

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139939.D
 Acq On : 22 Oct 2024 20:22
 Operator : RC/JU
 Sample : P4403-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMSD

Quant Time: Oct 23 01:12:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	155702	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	581800	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	298537	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	449643	20.000	ng	0.00
76) Chrysene-d12	14.057	240	313612	20.000	ng	0.00
86) Perylene-d12	15.533	264	387261	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1044463	105.014	ng	0.01
7) Phenol-d6	6.510	99	1338501	103.908	ng	0.00
23) Nitrobenzene-d5	7.451	82	857661	81.703	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	288024	103.145	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1477128	81.774	ng	0.00
79) Terphenyl-d14	12.998	244	1225362	63.668	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	190633	41.109	ng	96
3) Pyridine	3.504	79	482766	42.000	ng	97
4) n-Nitrosodimethylamine	3.452	42	264991	42.909	ng	97
6) Aniline	6.551	93	247525	20.618	ng	98
8) 2-Chlorophenol	6.675	128	483057	47.509	ng	97
9) Benzaldehyde	6.440	77	123297	17.015	ng	97
10) Phenol	6.528	94	593619m	44.699	ng	
11) bis(2-Chloroethyl)ether	6.628	93	464186	45.222	ng	99
12) 1,3-Dichlorobenzene	6.834	146	520832	44.623	ng	99
13) 1,4-Dichlorobenzene	6.910	146	524835	45.008	ng	99
14) 1,2-Dichlorobenzene	7.057	146	504970	46.400	ng	99
15) Benzyl Alcohol	7.028	79	441125	46.684	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	791186	45.204	ng	98
17) 2-Methylphenol	7.134	107	397398	45.836	ng	99
18) Hexachloroethane	7.404	117	188104	45.236	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	347313	44.455	ng	98
20) 3+4-Methylphenols	7.287	107	485180	43.751	ng	94
22) Acetophenone	7.298	105	648926	45.538	ng	98
24) Nitrobenzene	7.469	77	528294	45.902	ng	100
25) Isophorone	7.710	82	932644	46.810	ng	99
26) 2-Nitrophenol	7.787	139	238870	55.015	ng	96
27) 2,4-Dimethylphenol	7.816	122	384933	53.168	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	575233	47.653	ng	99
29) 2,4-Dichlorophenol	8.022	162	388252	47.081	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	414320	45.406	ng	99
31) Naphthalene	8.192	128	1377221	45.899	ng	100
32) Benzoic acid	7.904	122	15565	2.465	ng	97
33) 4-Chloroaniline	8.234	127	104891	10.252	ng	99
34) Hexachlorobutadiene	8.310	225	269820	47.063	ng	99
35) Caprolactam	8.598	113	98585	37.598	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	408911	44.782	ng	98
37) 2-Methylnaphthalene	8.886	142	858731	46.729	ng	99
38) 1-Methylnaphthalene	8.986	142	794377	44.059	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	403503	50.099	ng	99
41) Hexachlorocyclopentadiene	9.039	237	421713	150.481	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	274263	48.098	ng	99

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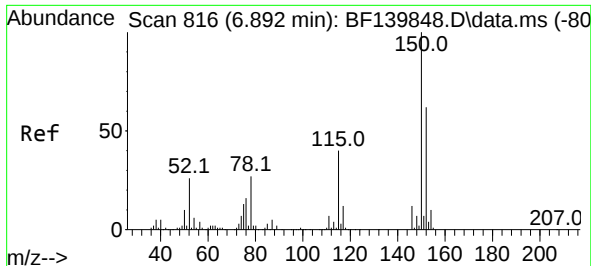
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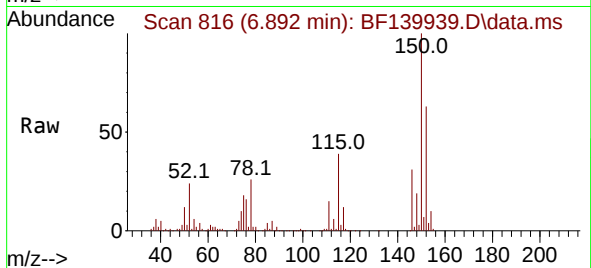
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	268472	45.634	ng	99
46) 1,1'-Biphenyl	9.351	154	1004455	48.332	ng	99
47) 2-Chloronaphthalene	9.375	162	799706	47.776	ng	99
48) 2-Nitroaniline	9.463	65	262566	51.289	ng	97
49) Acenaphthylene	9.792	152	1224410	50.598	ng	99
50) Dimethylphthalate	9.651	163	909840	48.929	ng	99
51) 2,6-Dinitrotoluene	9.710	165	193514	48.063	ng	96
52) Acenaphthene	9.963	154	726476	46.408	ng	100
53) 3-Nitroaniline	9.875	138	109448	26.360	ng	93
54) 2,4-Dinitrophenol	9.975	184	21850	18.524	ng	# 1
55) Dibenzofuran	10.133	168	1066542	47.486	ng	99
56) 4-Nitrophenol	10.028	139	264879	82.920	ng	96
57) 2,4-Dinitrotoluene	10.110	165	245147	49.513	ng	97
58) Fluorene	10.475	166	770802	45.058	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	182897	39.657	ng	97
60) Diethylphthalate	10.345	149	840830	46.053	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	400887	46.404	ng	99
62) 4-Nitroaniline	10.486	138	160726	40.986	ng	97
63) Azobenzene	10.628	77	907051	46.861	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	30390	16.570	ng	94
66) n-Nitrosodiphenylamine	10.586	169	708433	52.642	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	246830	53.286	ng	96
68) Hexachlorobenzene	11.022	284	261163	50.131	ng	99
69) Atrazine	11.110	200	216897	59.497	ng	99
70) Pentachlorophenol	11.210	266	159541	50.459	ng	100
71) Phenanthrene	11.439	178	1032113	48.595	ng	100
72) Anthracene	11.492	178	1034079	49.901	ng	100
73) Carbazole	11.639	167	878511	45.583	ng	100
74) Di-n-butylphthalate	11.975	149	1106480	49.693	ng	99
75) Fluoranthene	12.627	202	1003056	46.716	ng	99
77) Benzidine	12.745	184	182431	35.376	ng	99
78) Pyrene	12.857	202	1020217	37.164	ng	100
80) Butylbenzylphthalate	13.474	149	438548	53.286	ng	99
81) Benzo(a)anthracene	14.045	228	1019646	49.946	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	131699	22.126	ng	99
83) Chrysene	14.080	228	927872	49.571	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	611199	66.193	ng	100
85) Di-n-octyl phthalate	14.645	149	1162192	69.199	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	949106	38.096	ng	99
88) Benzo(b)fluoranthene	15.098	252	1180985	50.062	ng	99
89) Benzo(k)fluoranthene	15.127	252	932701	45.845	ng	100
90) Benzo(a)pyrene	15.468	252	1011128	52.091	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	794280	38.217	ng	99
92) Benzo(g,h,i)perylene	17.480	276	662325	31.904	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

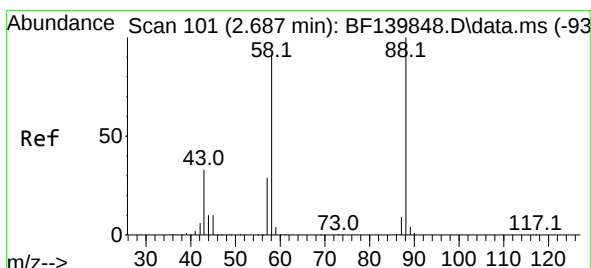
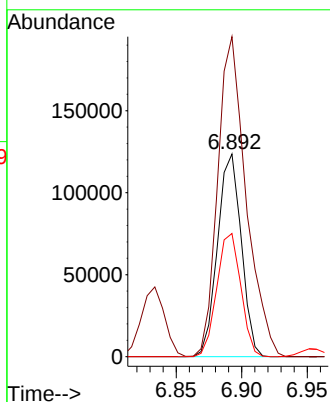
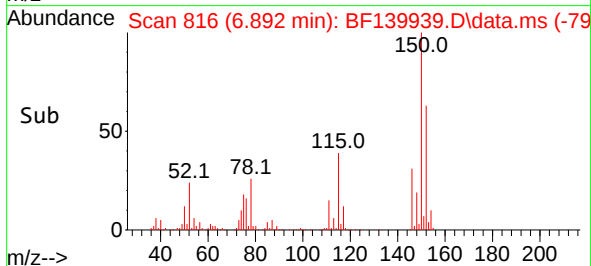
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:152 Resp: 155702
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 60.8 51.4 77.2

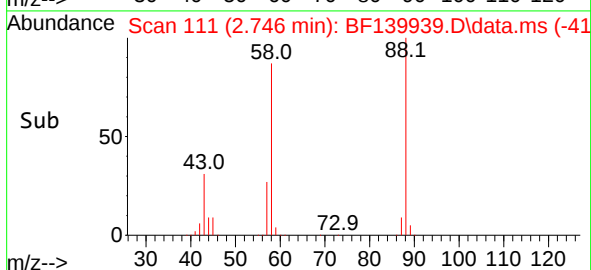
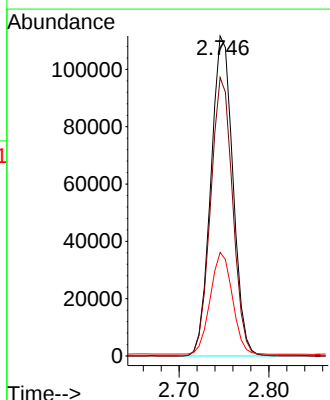
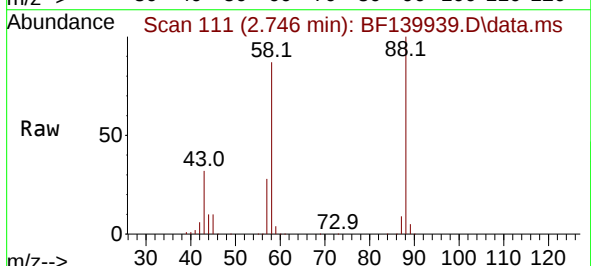
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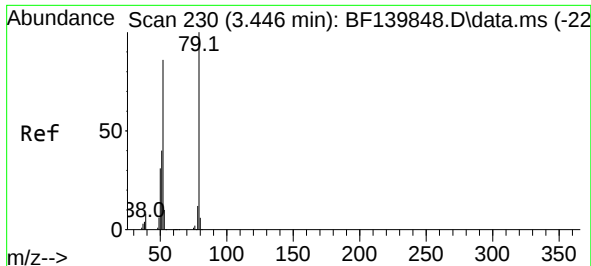
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#2
1,4-Dioxane
Concen: 41.109 ng
RT: 2.746 min Scan# 111
Delta R.T. 0.059 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

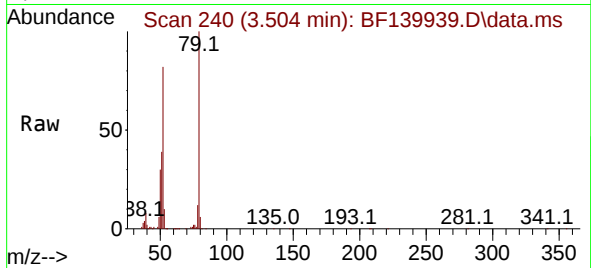
Tgt Ion: 88 Resp: 190633
Ion Ratio Lower Upper
88 100
58 87.0 73.3 109.9
43 31.8 27.1 40.7





#3
Pyridine
Concen: 42.000 ng
RT: 3.504 min Scan# 24
Delta R.T. 0.059 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

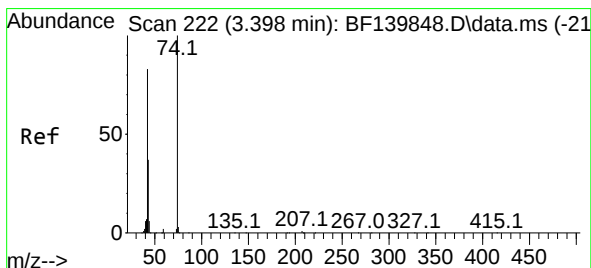
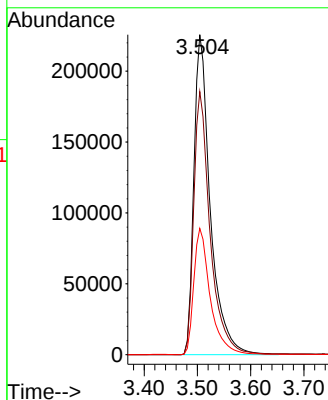
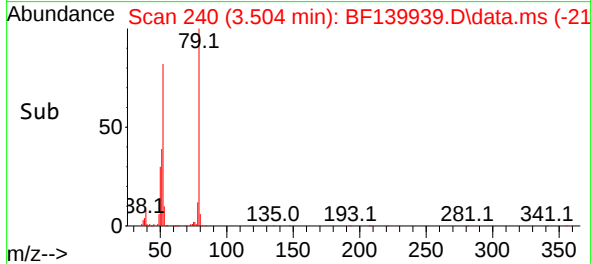
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 79 Resp: 482760
Ion Ratio Lower Upper
79 100
52 82.2 68.5 102.7
51 39.4 32.3 48.5

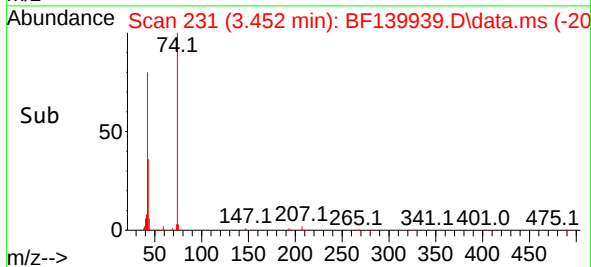
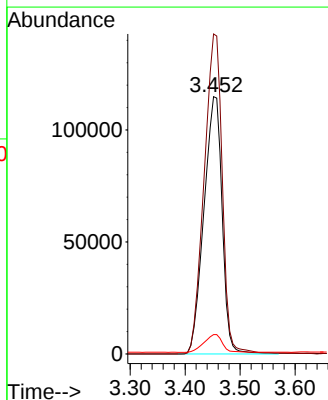
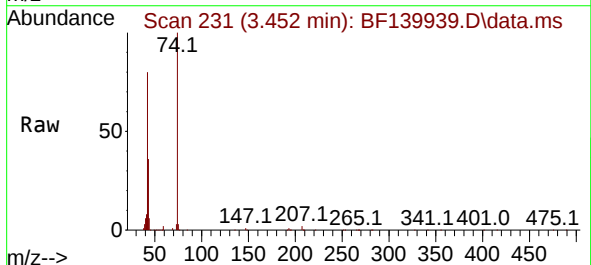
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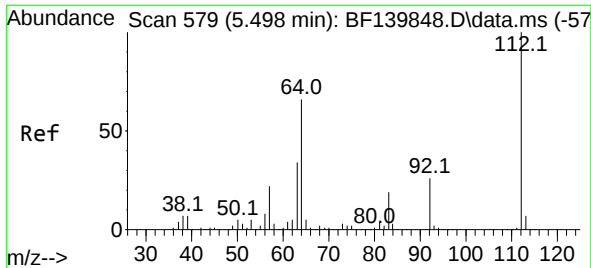
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#4
n-Nitrosodimethylamine
Concen: 42.909 ng
RT: 3.452 min Scan# 231
Delta R.T. 0.053 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

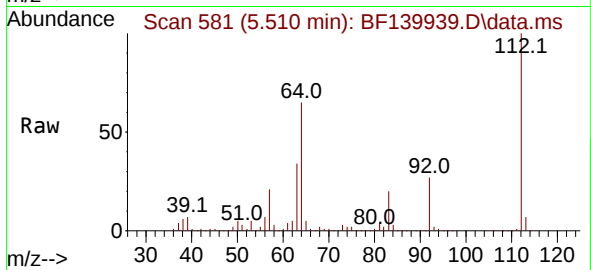
Tgt Ion: 42 Resp: 264991
Ion Ratio Lower Upper
42 100
74 124.4 96.2 144.4
44 7.6 6.2 9.2





#5
2-Fluorophenol
Concen: 105.014 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

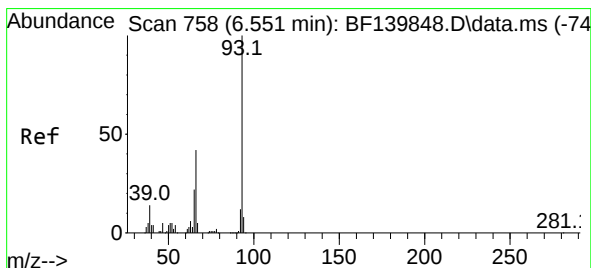
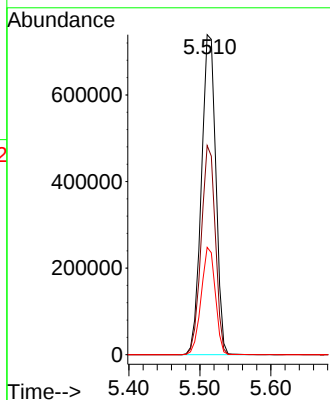
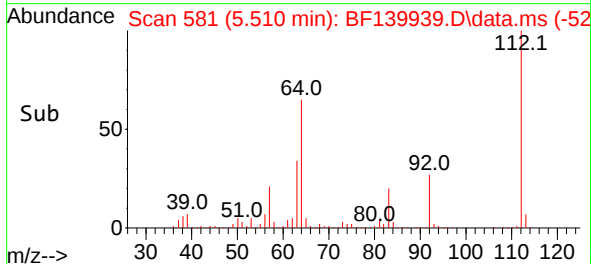
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:112 Resp: 104446
Ion Ratio Lower Upper
112 100
64 65.3 53.0 79.6
63 33.6 27.0 40.4

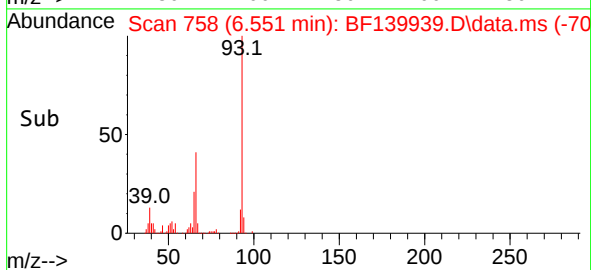
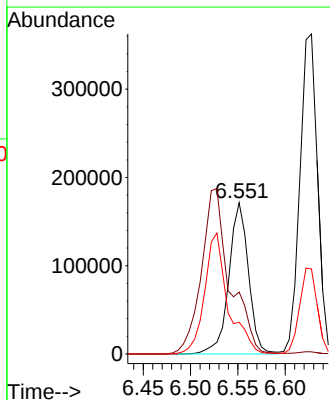
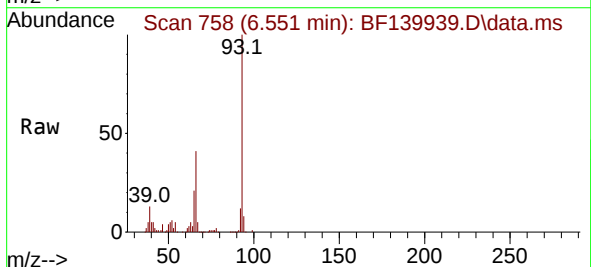
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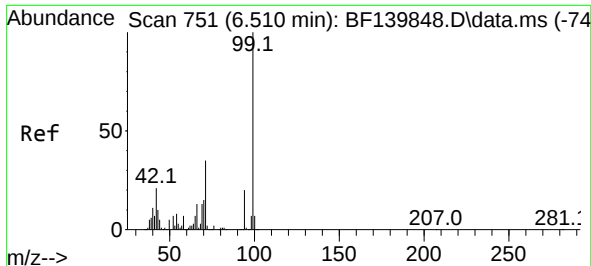
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#6
Aniline
Concen: 20.618 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

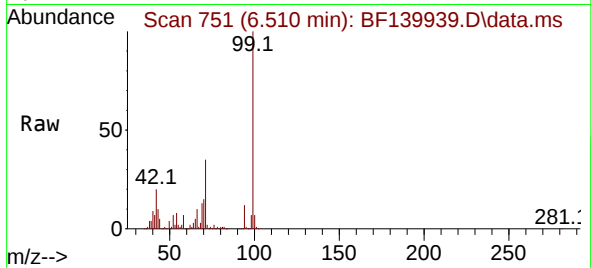
Tgt Ion: 93 Resp: 247525
Ion Ratio Lower Upper
93 100
66 41.0 34.0 51.0
65 20.9 17.4 26.0





#7
Phenol-d6
Concen: 103.908 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

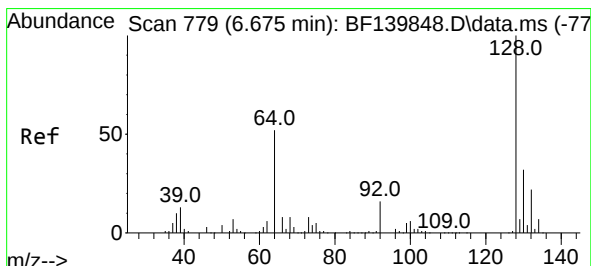
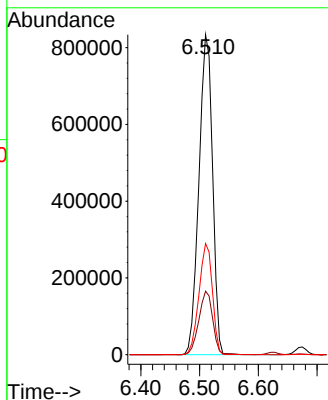
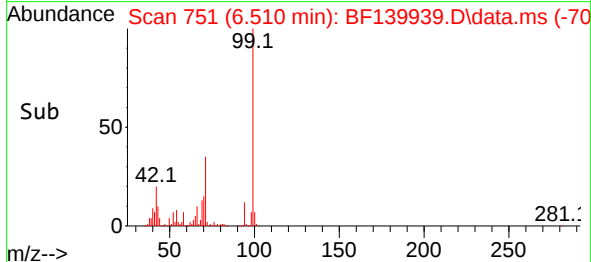
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 99 Resp: 133850
Ion Ratio Lower Upper
99 100
42 19.9 16.7 25.1
71 34.7 27.7 41.5

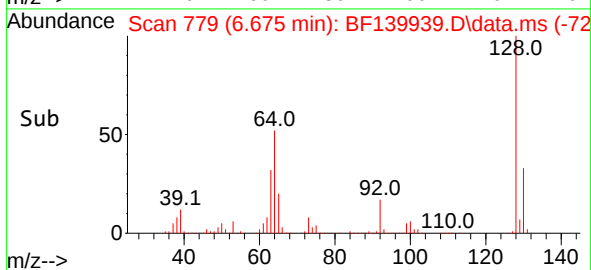
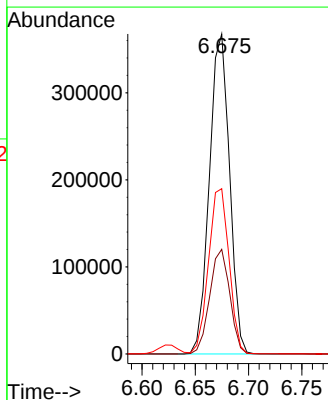
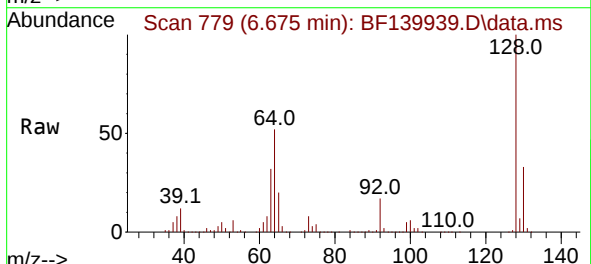
Manual Integrations
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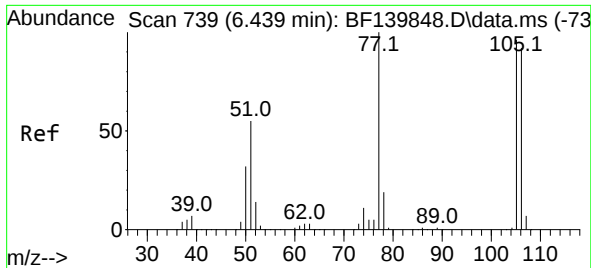
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#8
2-Chlorophenol
Concen: 47.509 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion:128 Resp: 483057
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 51.7 34.6 74.6





#9
Benzaldehyde
Concen: 17.015 ng
RT: 6.440 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

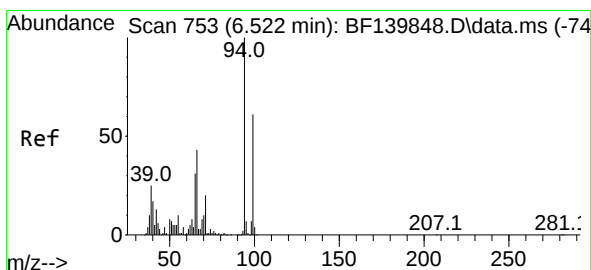
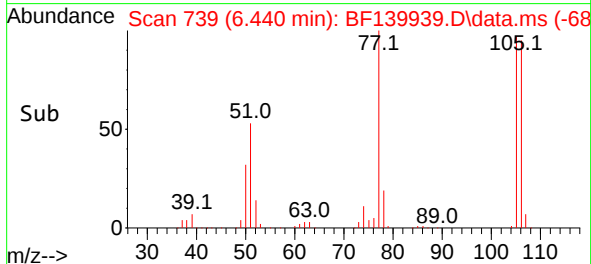
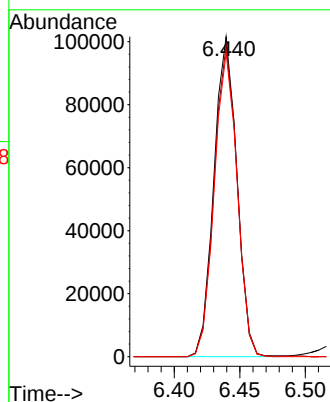
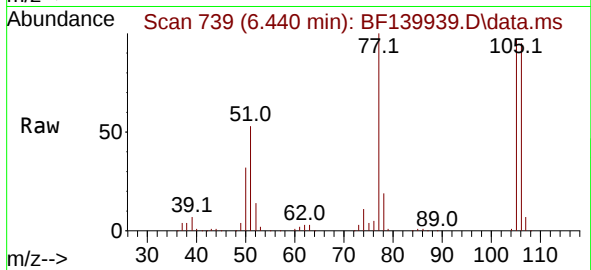
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD

Tgt Ion: 77 Resp: 12329

Ion	Ratio	Lower	Upper
77	100		
105	97.2	75.5	115.5
106	94.9	71.7	111.7

Manual Integrations
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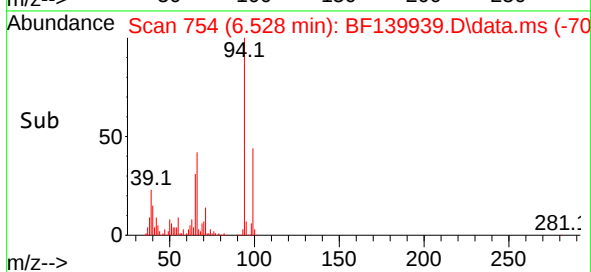
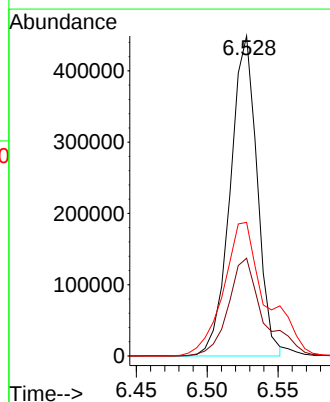
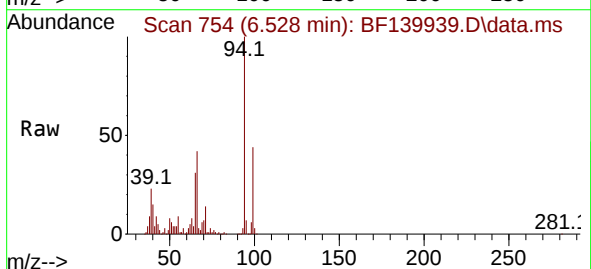
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

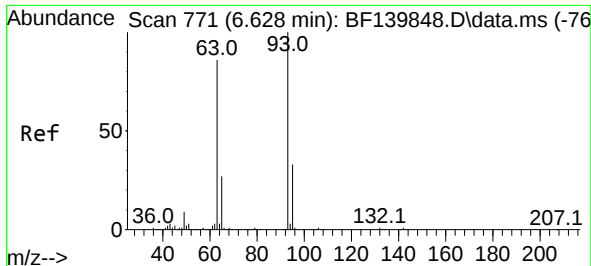


#10
Phenol
Concen: 44.699 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion: 94 Resp: 593619

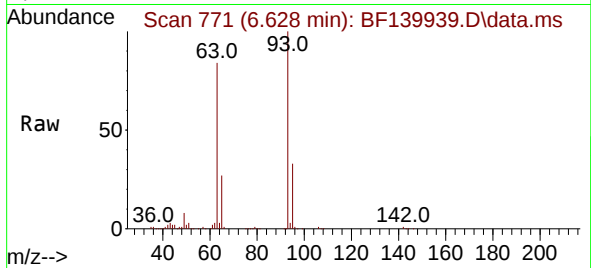
Ion	Ratio	Lower	Upper
94	100		
65	30.5	11.1	51.1
66	41.7	22.7	62.7





#11
bis(2-Chloroethyl)ether
Concen: 45.222 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

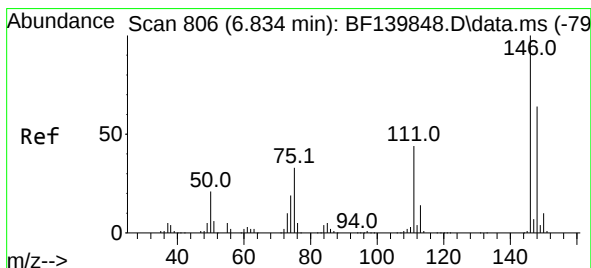
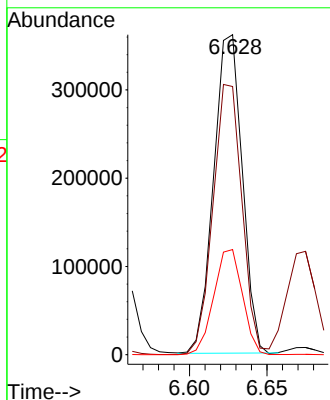
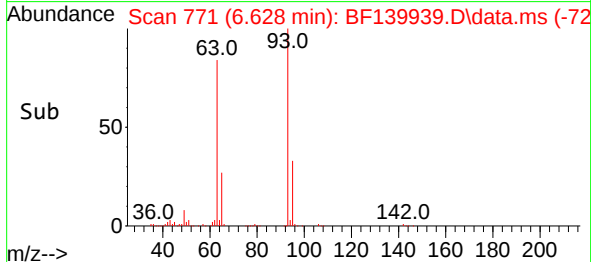
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 93 Resp: 464180
Ion Ratio Lower Upper
93 100
63 83.8 65.0 105.0
95 32.8 12.4 52.4

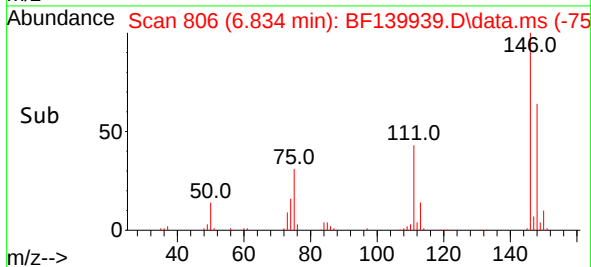
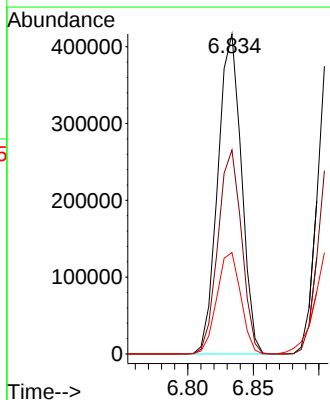
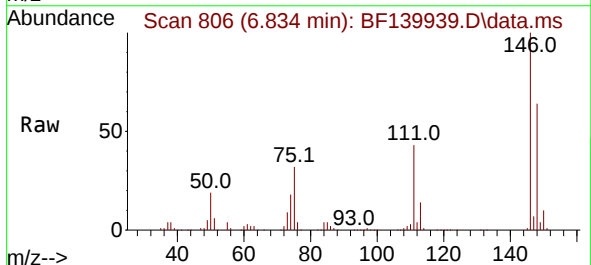
Manual Integrations
APPROVED

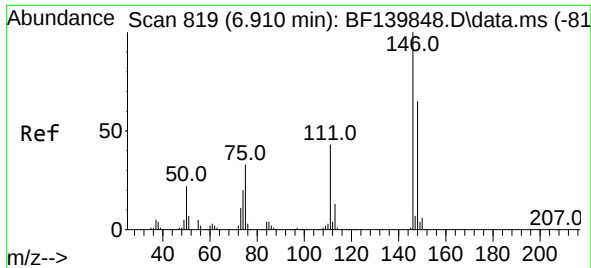
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#12
1,3-Dichlorobenzene
Concen: 44.623 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion:146 Resp: 520832
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 31.7 26.4 39.6





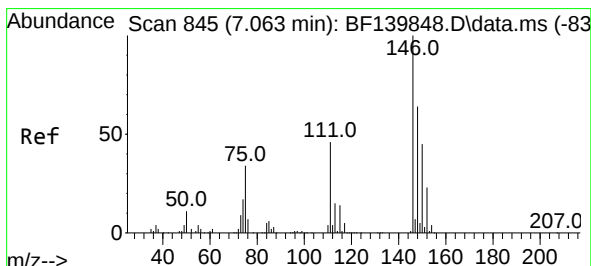
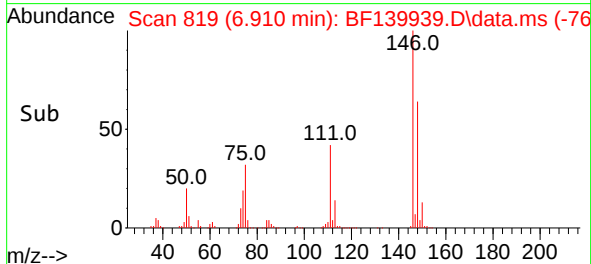
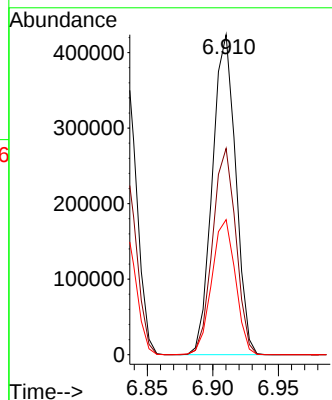
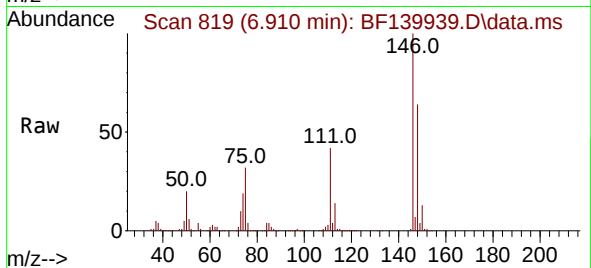
#13
1,4-Dichlorobenzene
Concen: 45.008 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD

Tgt Ion:146 Resp: 524835
Ion Ratio Lower Upper
146 100
148 64.4 51.8 77.8
111 42.2 34.6 51.8

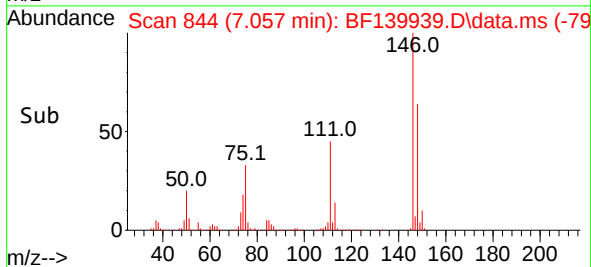
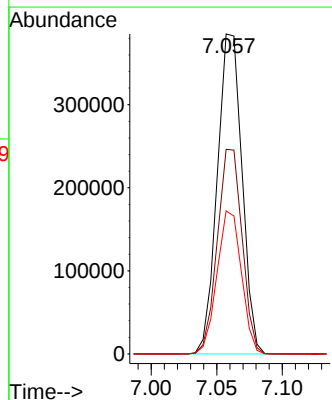
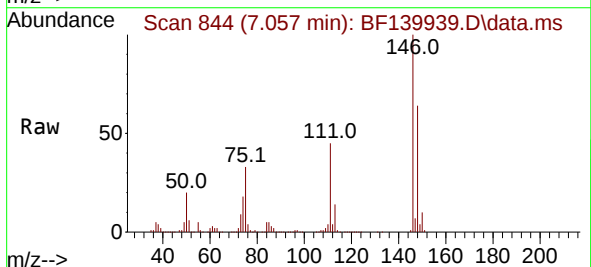
Manual Integrations
APPROVED

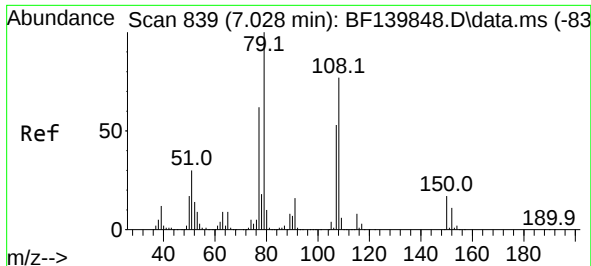
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#14
1,2-Dichlorobenzene
Concen: 46.400 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

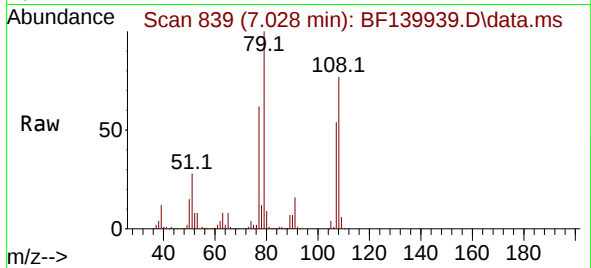
Tgt Ion:146 Resp: 504970
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
111 44.7 36.7 55.1





#15
Benzyl Alcohol
Concen: 46.684 ng
RT: 7.028 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

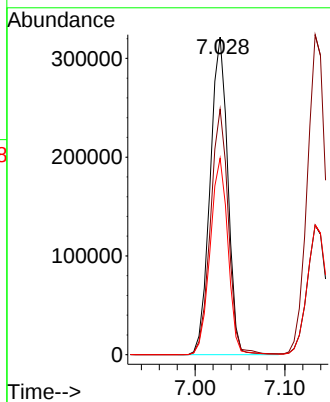
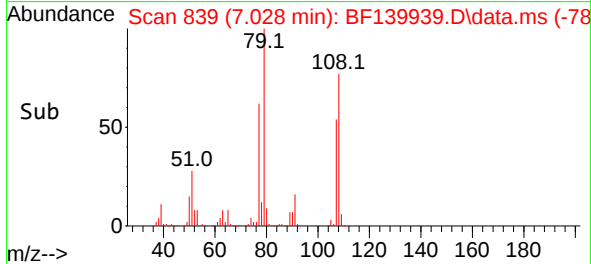
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 79 Resp: 441125
Ion Ratio Lower Upper
79 100
108 77.3 61.4 92.0
77 61.9 49.9 74.9

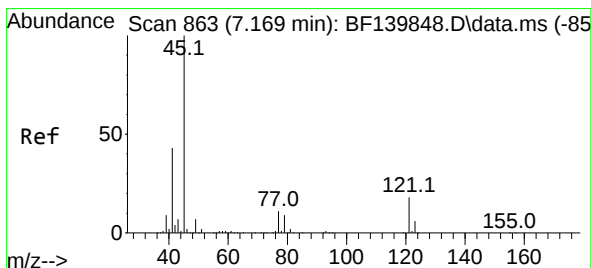
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



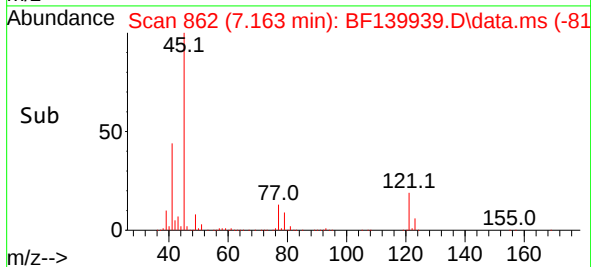
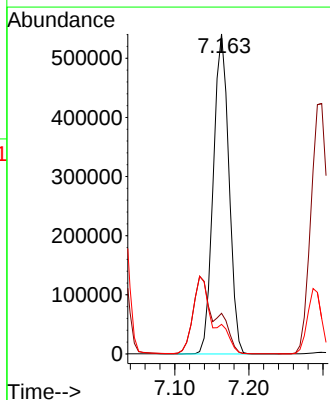
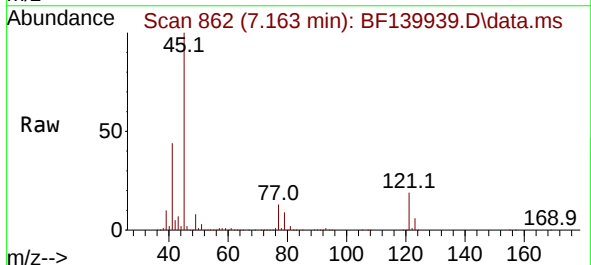
10/23/2024
Supervised By :mohammad
ahmed

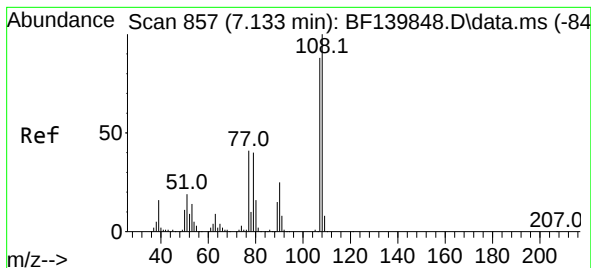
10/24/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.204 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion: 45 Resp: 791186
Ion Ratio Lower Upper
45 100
77 12.7 0.0 31.5
79 9.3 0.0 29.1





#17

2-Methylphenol

Concen: 45.836 ng

RT: 7.134 min Scan# 857

Delta R.T. 0.000 min

Lab File: BF139939.D

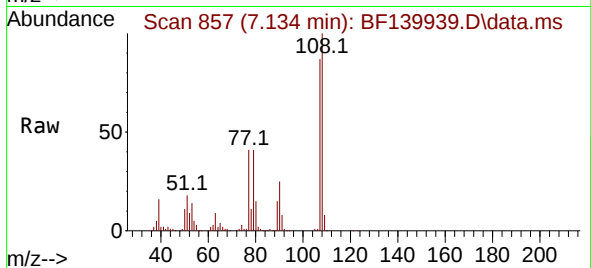
Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD



Tgt Ion:107 Resp: 397398

Ion Ratio Lower Upper

107 100

108 114.9 91.3 136.9

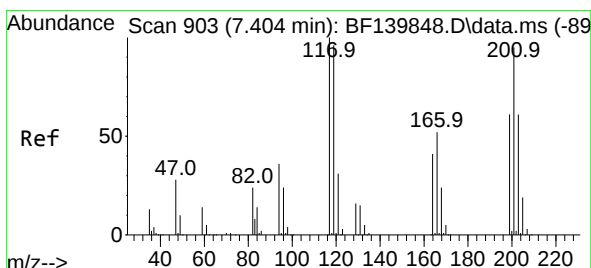
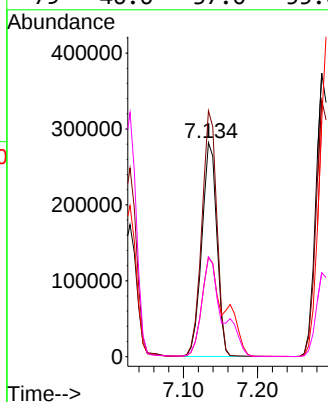
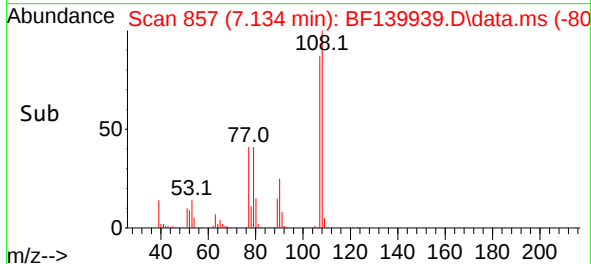
77 46.6 37.1 55.7

79 46.6 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#18

Hexachloroethane

Concen: 45.236 ng

RT: 7.404 min Scan# 903

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

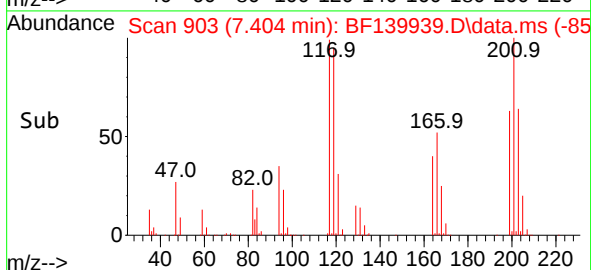
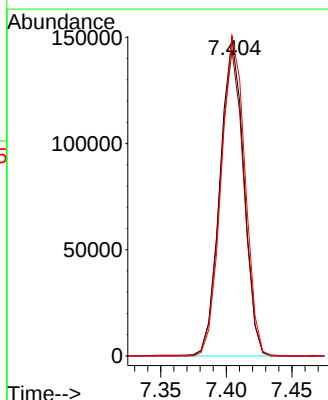
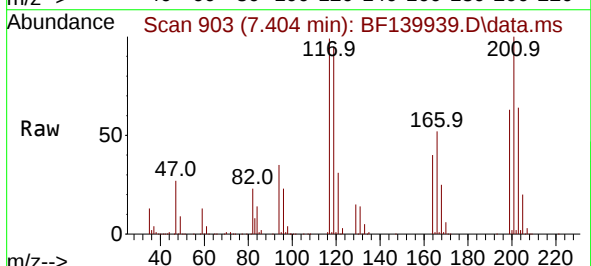
Tgt Ion:117 Resp: 188104

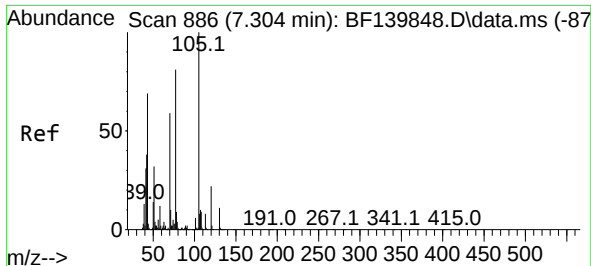
Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.4

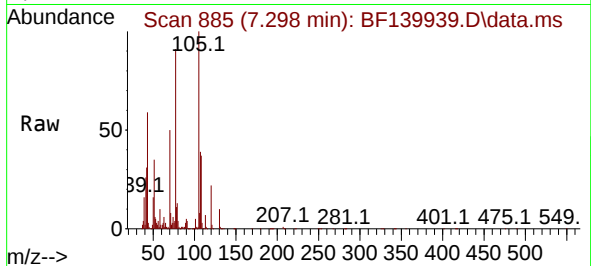
201 100.7 76.2 114.4





#19
n-Nitroso-di-n-propylamine
Concen: 44.455 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

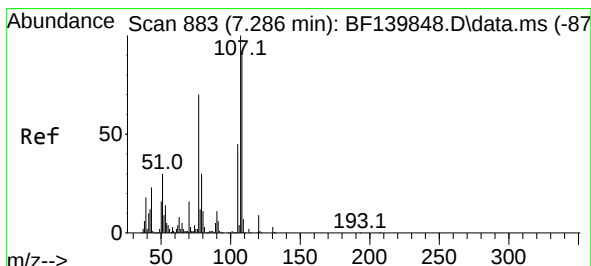
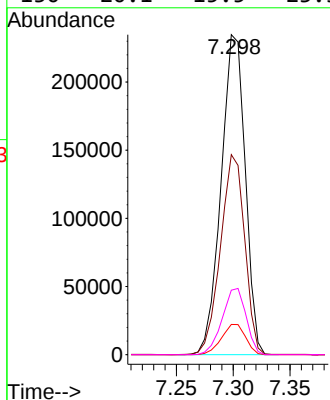
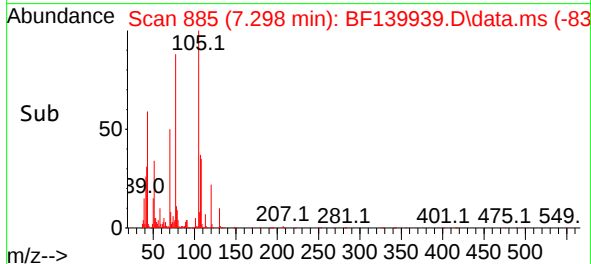
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 70 Resp: 347311
Ion Ratio Lower Upper
70 100
42 62.5 51.5 77.3
101 9.5 7.5 11.3
130 20.1 15.5 23.3

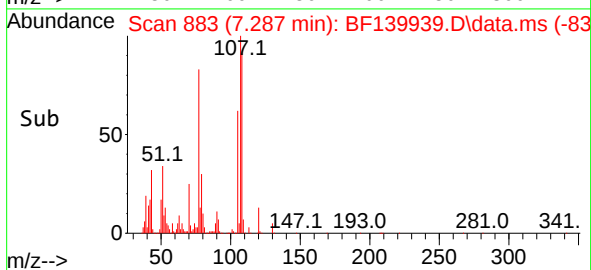
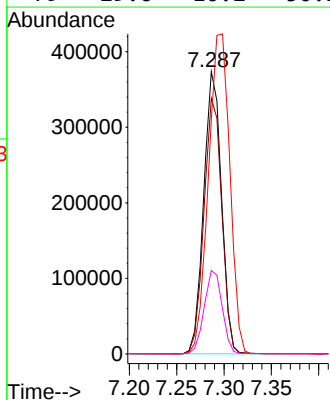
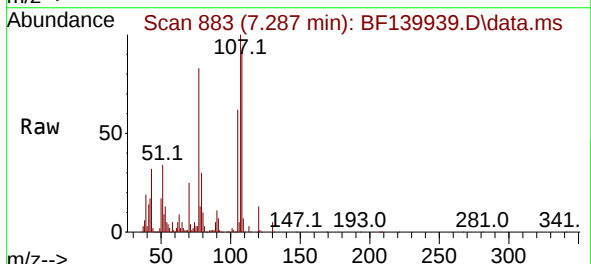
Manual Integrations
APPROVED

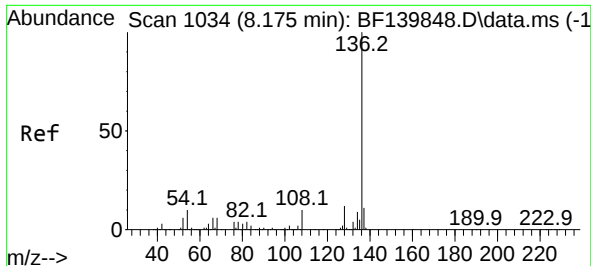
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#20
3+4-Methylphenols
Concen: 43.751 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

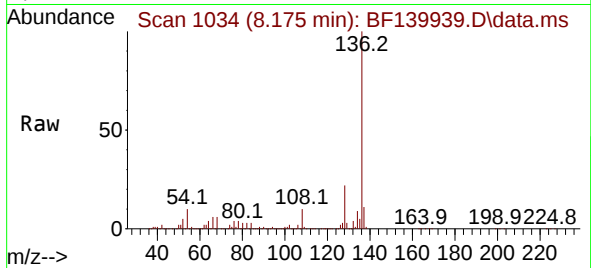
Tgt Ion:107 Resp: 485180
Ion Ratio Lower Upper
107 100
108 90.6 69.8 109.8
77 83.1 50.5 90.5
79 29.6 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

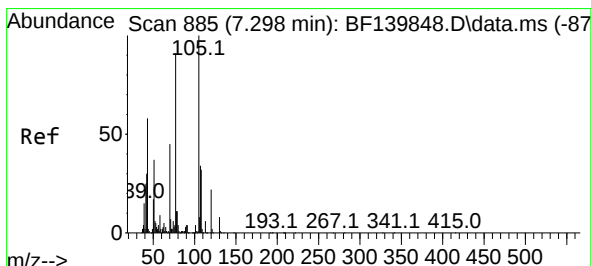
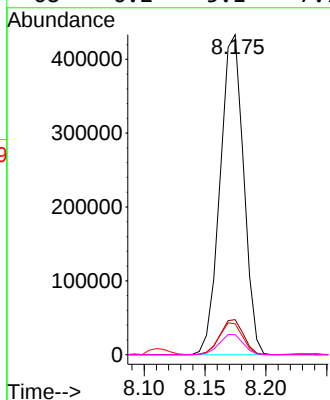
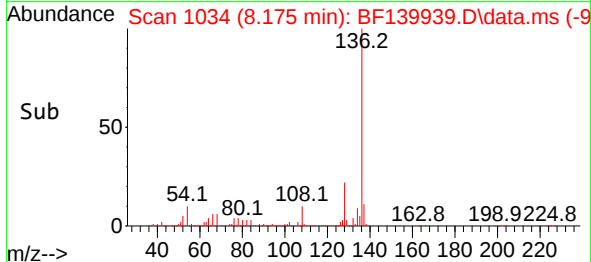
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:136 Resp: 581800
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.7 8.4 12.6
68 6.2 5.1 7.7

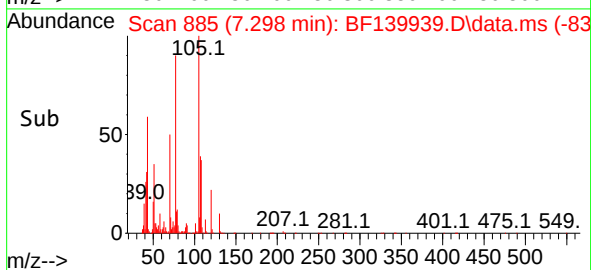
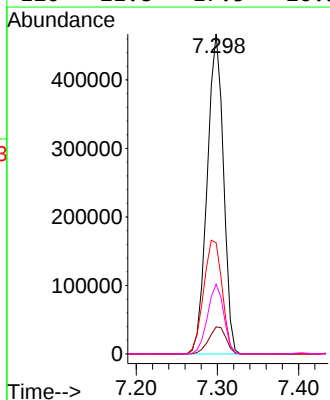
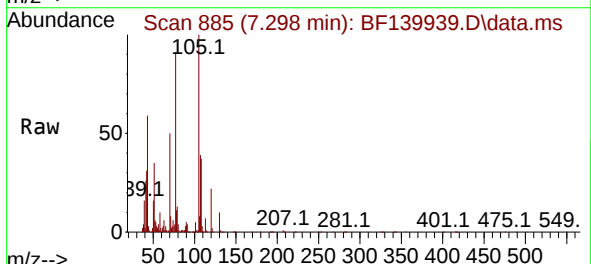
Manual Integrations
APPROVED

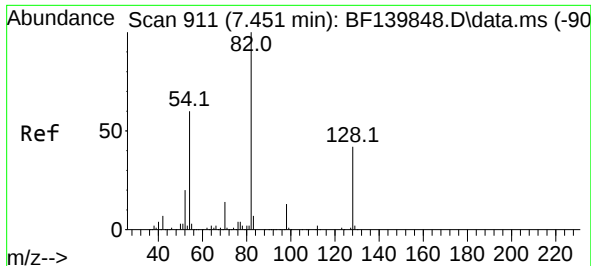
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#22
Acetophenone
Concen: 45.538 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

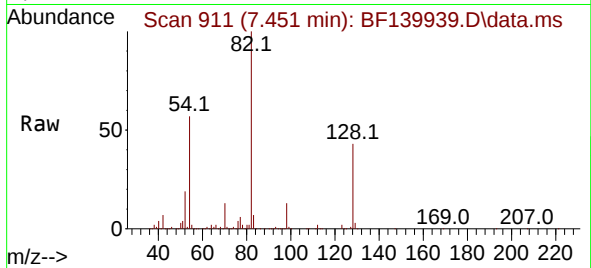
Tgt Ion:105 Resp: 648926
Ion Ratio Lower Upper
105 100
71 8.5 5.9 8.9
51 34.8 29.4 44.2
120 21.8 17.5 26.3





#23
Nitrobenzene-d5
Concen: 81.703 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

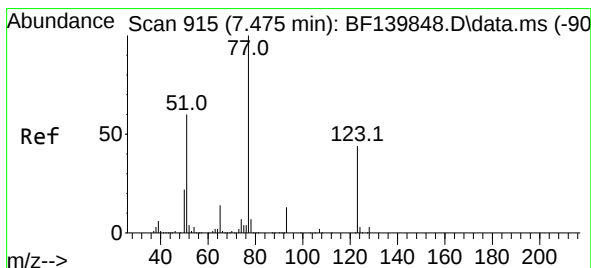
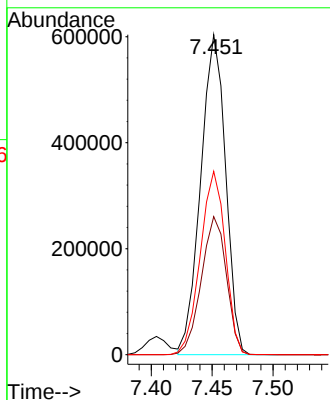
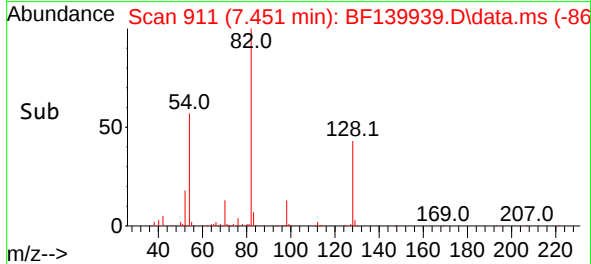
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 82 Resp: 85766
Ion Ratio Lower Upper
82 100
128 43.2 33.4 50.0
54 57.3 47.8 71.8

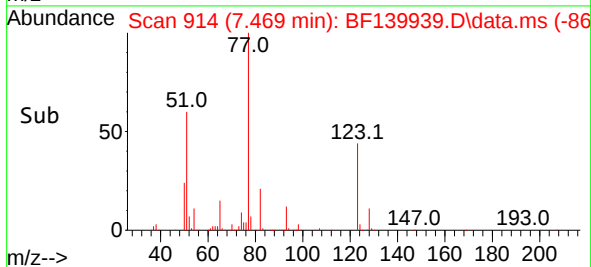
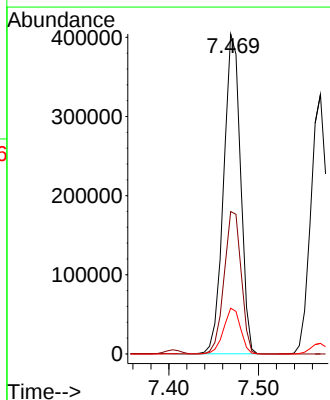
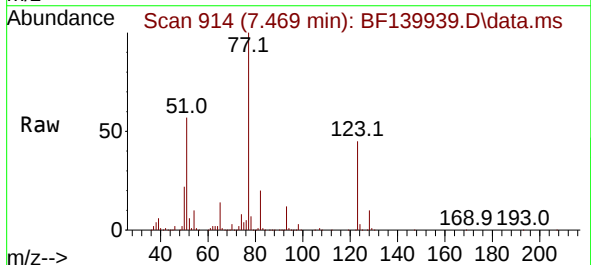
Manual Integrations
APPROVED

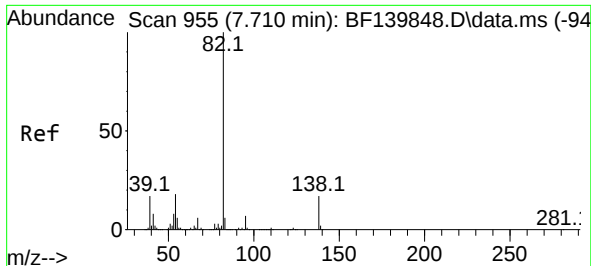
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#24
Nitrobenzene
Concen: 45.902 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

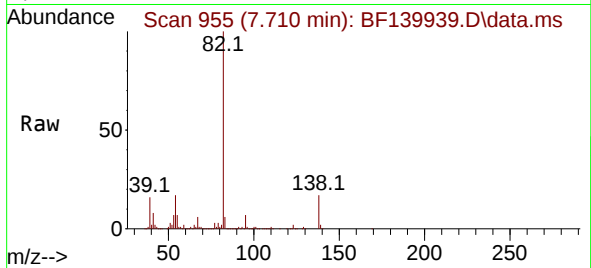
Tgt Ion: 77 Resp: 528294
Ion Ratio Lower Upper
77 100
123 44.5 35.7 53.5
65 14.3 11.5 17.3





#25
Isophorone
Concen: 46.810 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

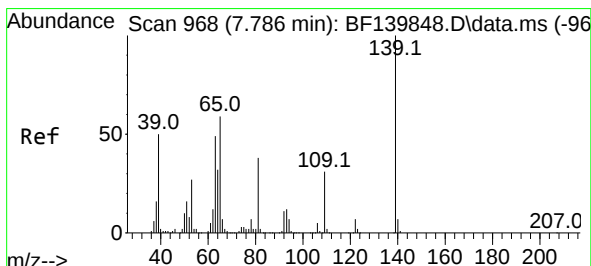
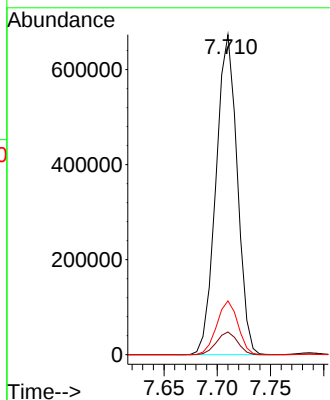
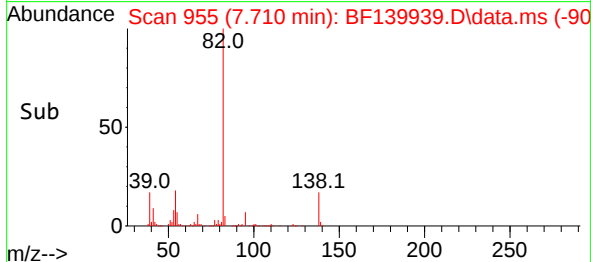
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion: 82 Resp: 93264
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.8 13.2 19.8

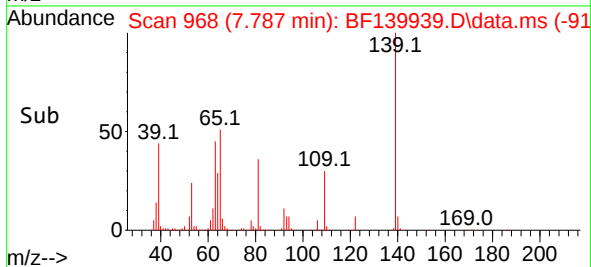
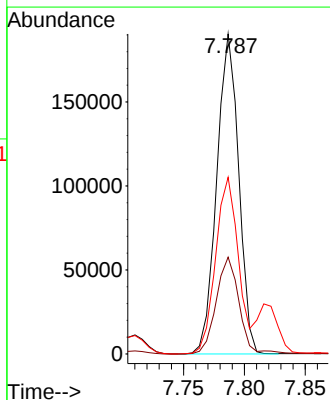
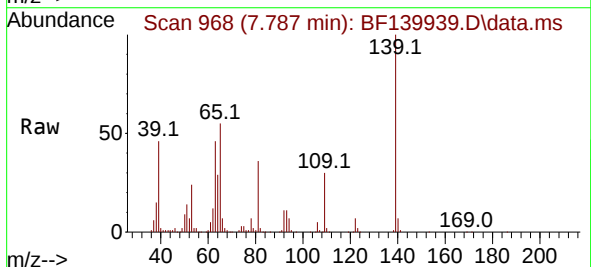
Manual Integrations
APPROVED

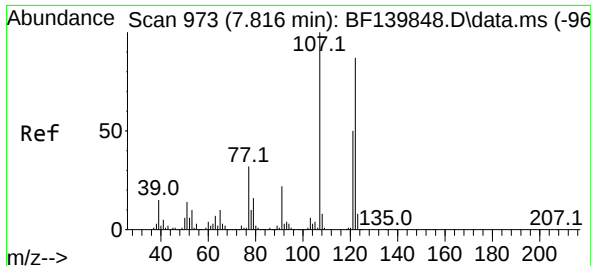
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#26
2-Nitrophenol
Concen: 55.015 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

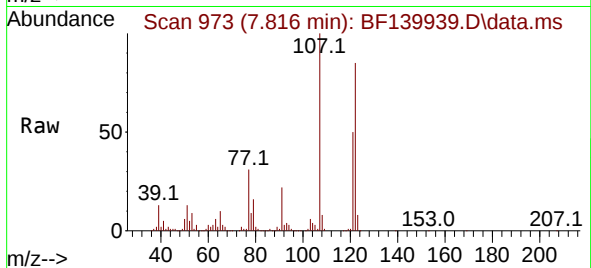
Tgt Ion:139 Resp: 238870
Ion Ratio Lower Upper
139 100
109 30.2 25.1 37.7
65 55.2 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 53.168 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

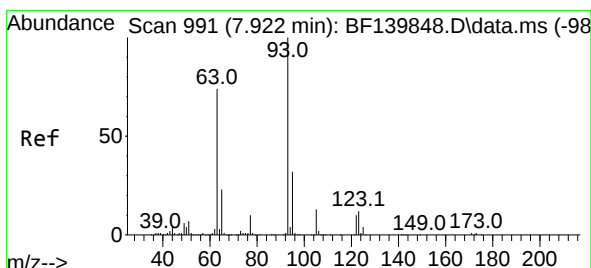
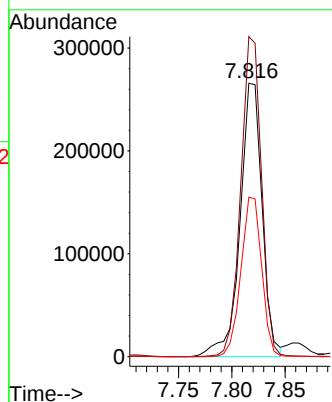
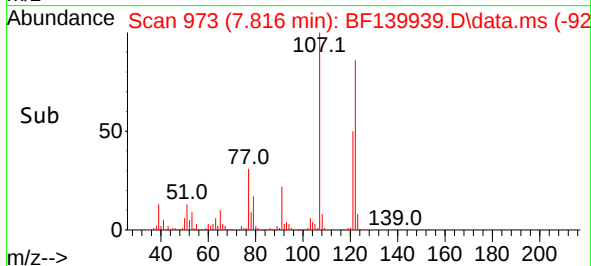
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:122 Resp: 38493
Ion Ratio Lower Upper
122 100
107 117.0 91.9 137.9
121 58.4 46.2 69.4

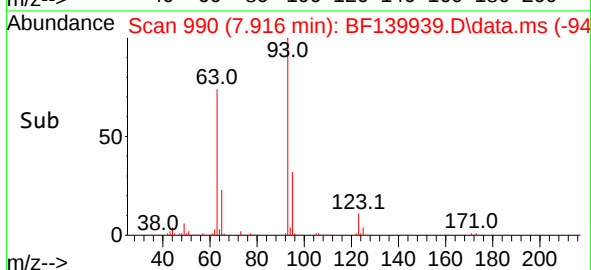
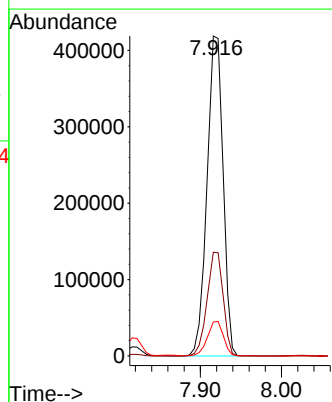
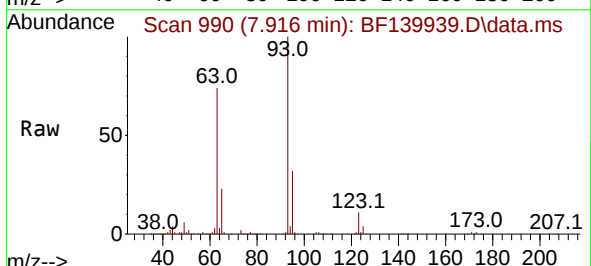
Manual Integrations
APPROVED

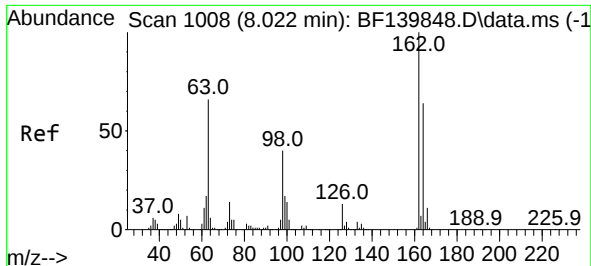
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#28
bis(2-Chloroethoxy)methane
Concen: 47.653 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion: 93 Resp: 575233
Ion Ratio Lower Upper
93 100
95 32.4 26.0 39.0
123 10.6 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 47.081 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

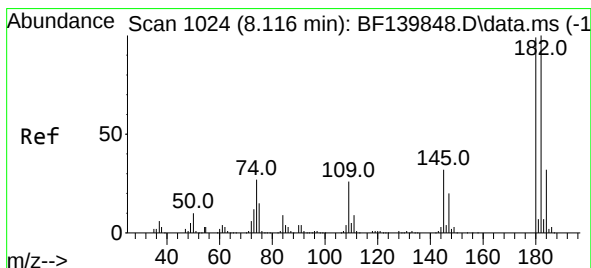
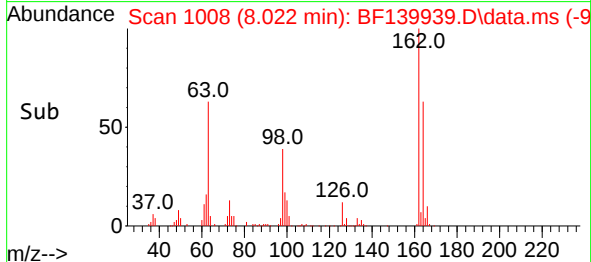
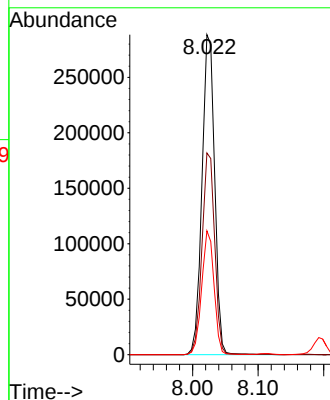
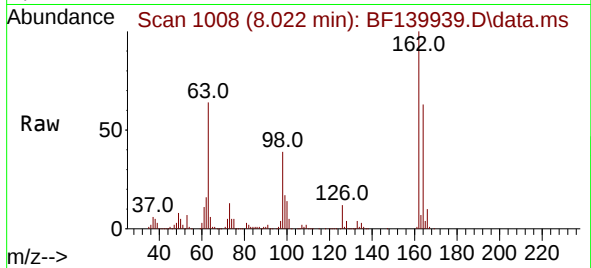
Hawthorne TP SoilMSD

Tgt Ion:162	Resp: 38825
Ion Ratio	Lower Upper
162 100	
164 63.1	43.9 83.9
98 38.7	19.9 59.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#30

1,2,4-Trichlorobenzene

Concen: 45.406 ng

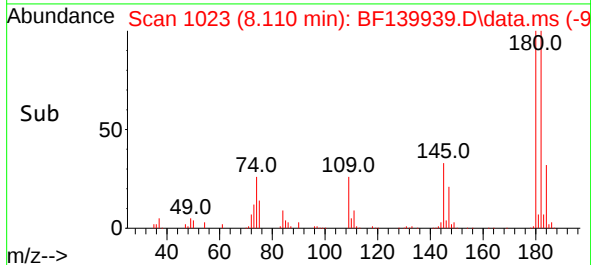
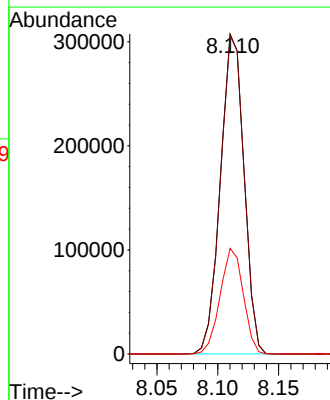
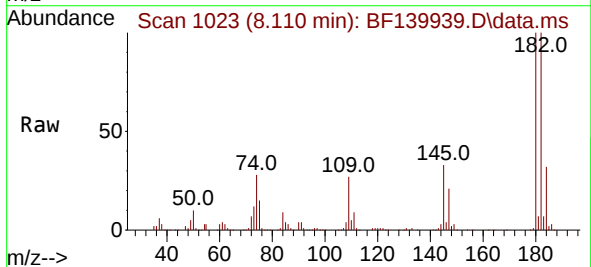
RT: 8.110 min Scan# 1023

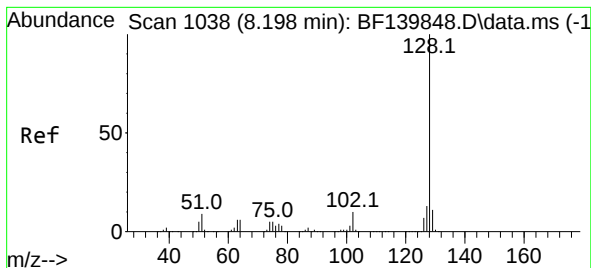
Delta R.T. -0.006 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Tgt Ion:180	Resp: 414320
Ion Ratio	Lower Upper
180 100	
182 99.5	80.5 120.7
145 33.0	25.4 38.0





#31

Naphthalene

Concen: 45.899 ng

RT: 8.192 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD

Tgt Ion:128 Resp: 137722

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

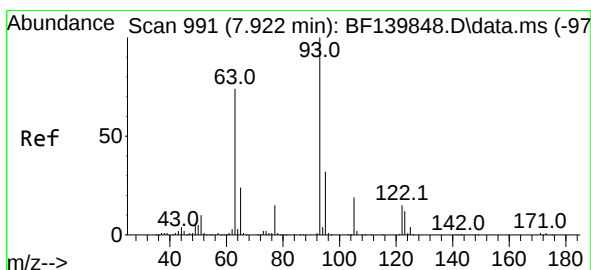
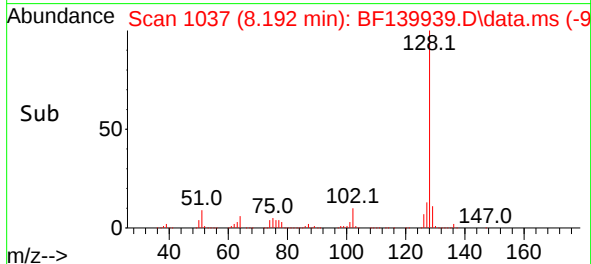
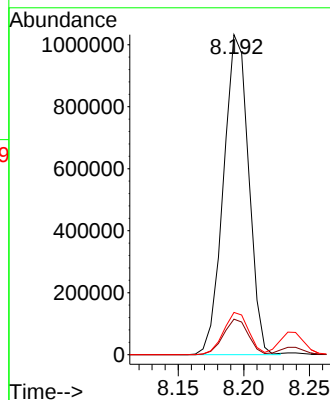
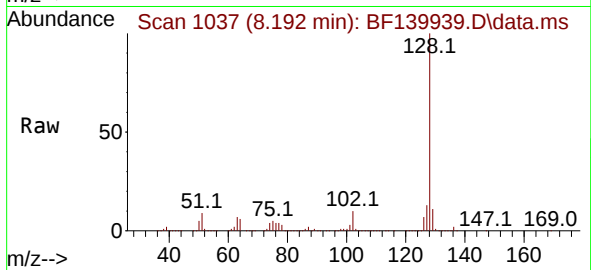
127 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#32

Benzoic acid

Concen: 2.465 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.018 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

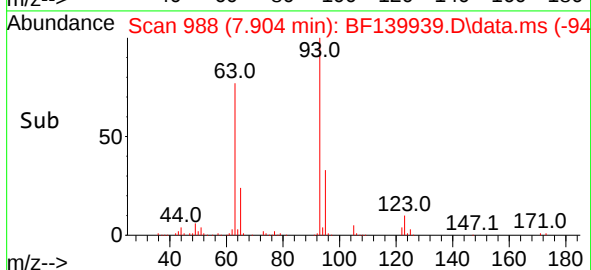
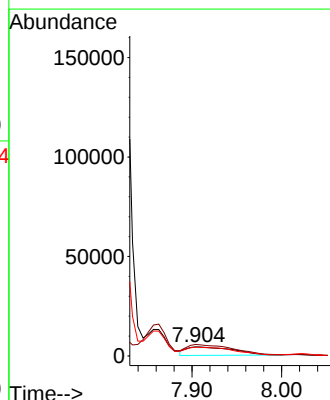
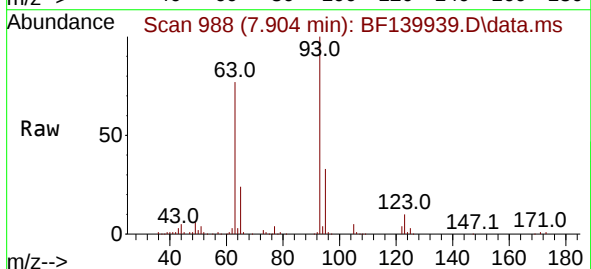
Tgt Ion:122 Resp: 15565

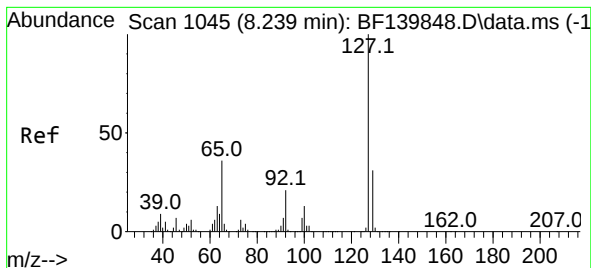
Ion Ratio Lower Upper

122 100

105 125.8 107.6 147.6

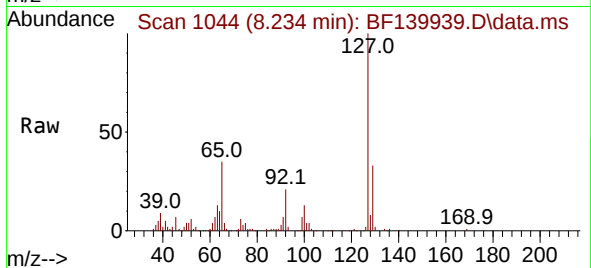
77 96.2 80.2 120.2





#33
4-Chloroaniline
Concen: 10.252 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

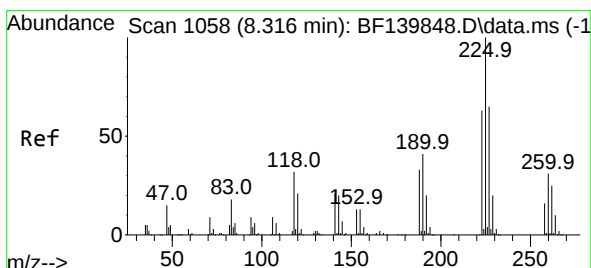
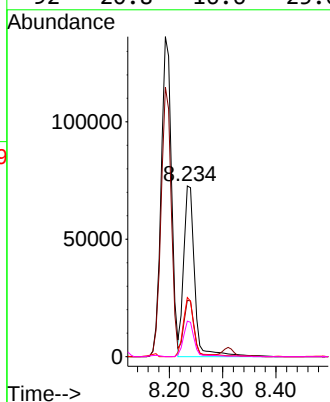
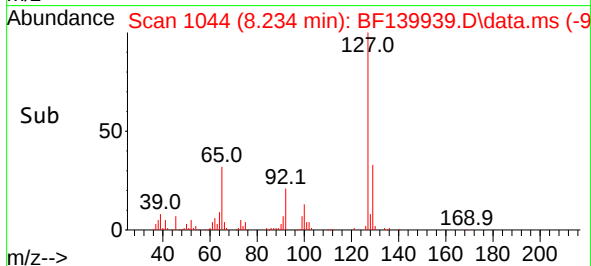
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:	127	Resp:	10489
Ion Ratio	Lower	Upper	
127	100		
129	33.0	25.4	38.2
65	34.7	28.4	42.6
92	20.8	16.6	25.0

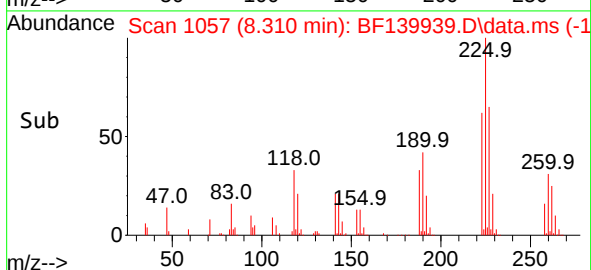
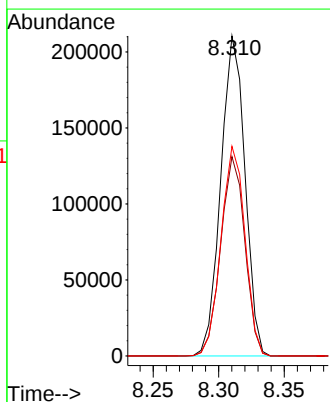
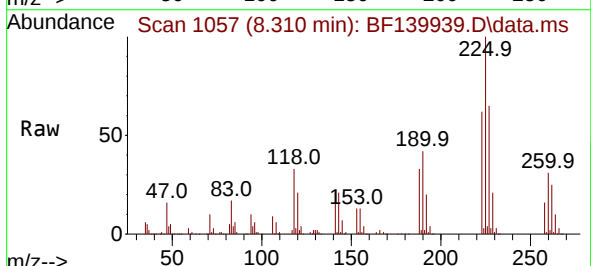
Manual Integrations
APPROVED

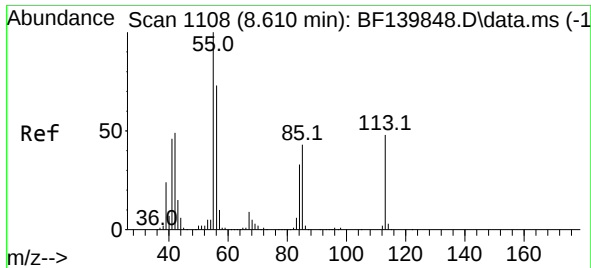
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#34
Hexachlorobutadiene
Concen: 47.063 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

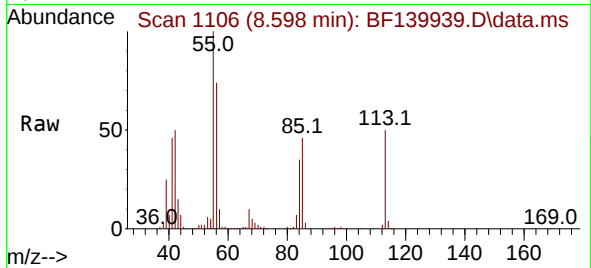
Tgt Ion:	225	Resp:	269820
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.6	76.0
227	65.5	51.8	77.8





#35
Caprolactam
Concen: 37.598 ng
RT: 8.598 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

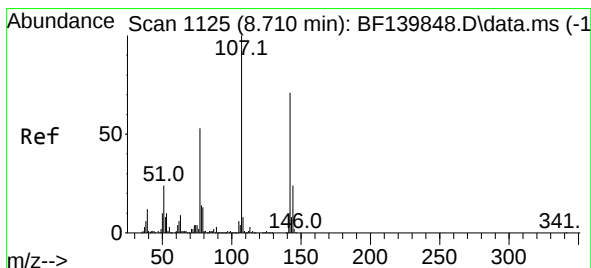
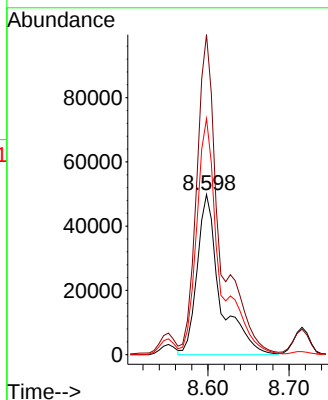
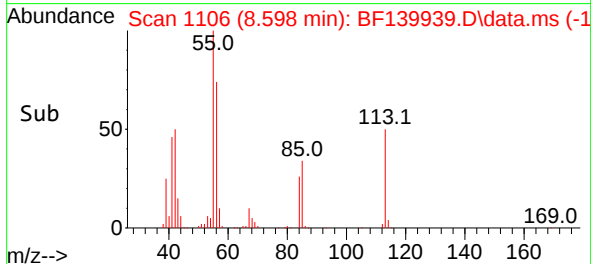
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



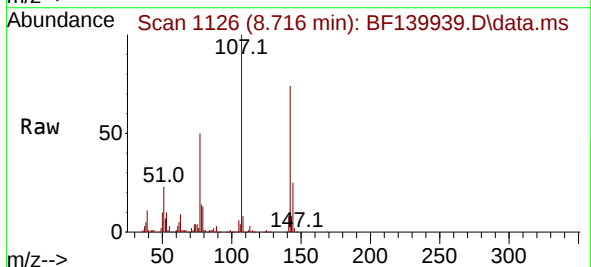
Tgt Ion:113 Resp: 9858
Ion Ratio Lower Upper
113 100
55 199.7 189.2 229.2
56 147.4 132.5 172.5

Manual Integrations
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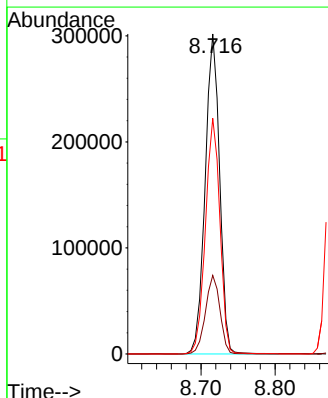
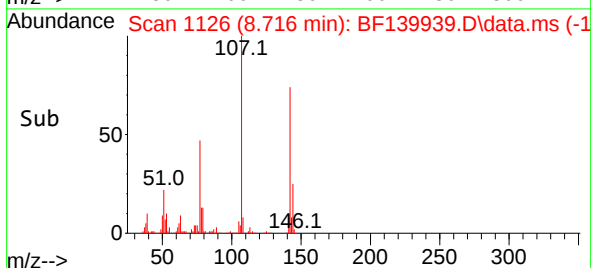
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

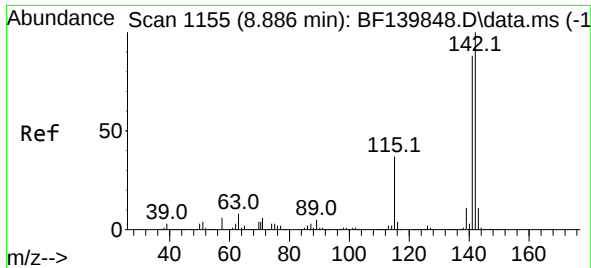


#36
4-Chloro-3-methylphenol
Concen: 44.782 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:107 Resp: 408911
Ion Ratio Lower Upper
107 100
144 24.5 19.1 28.7
142 73.6 57.2 85.8





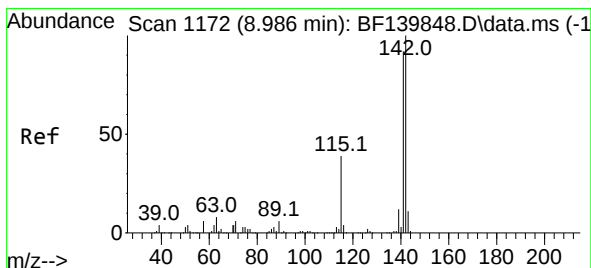
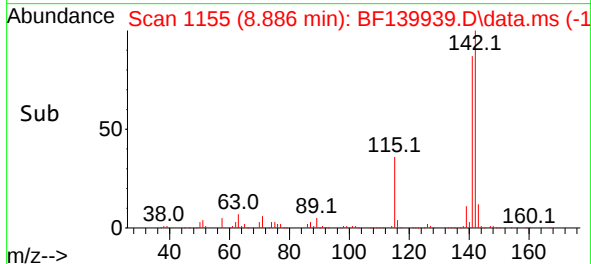
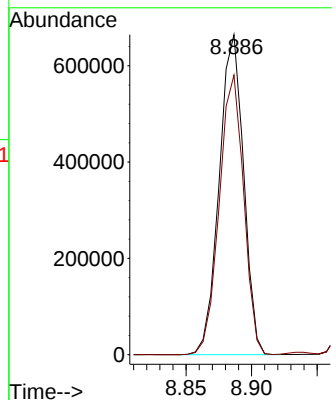
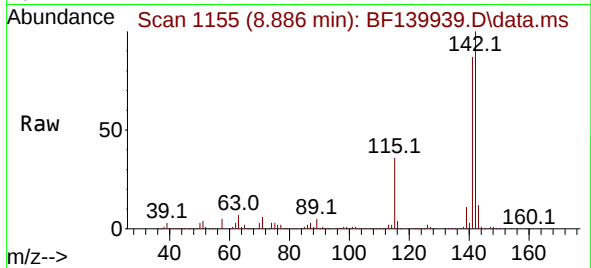
#37
2-Methylnaphthalene
Concen: 46.729 ng
RT: 8.886 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD

Tgt Ion:142 Resp: 858733
Ion Ratio Lower Upper
142 100
141 87.4 70.8 106.2

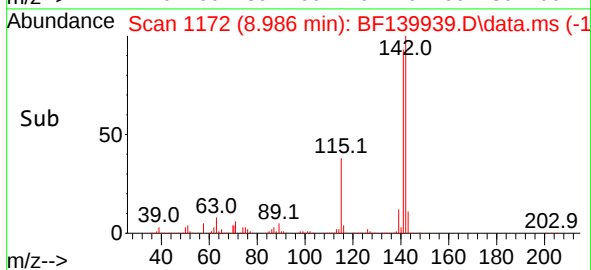
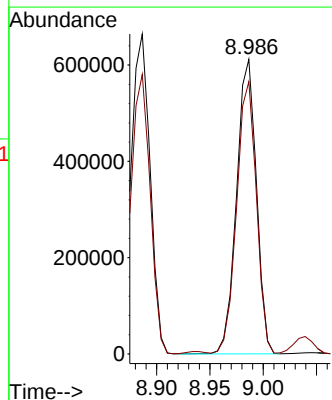
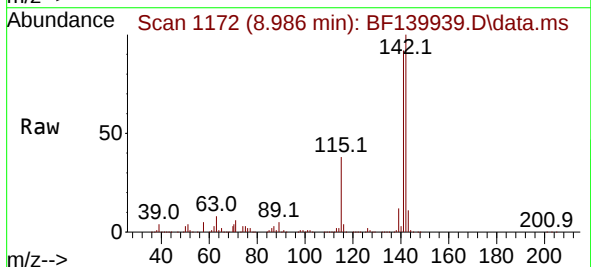
Manual Integrations
APPROVED

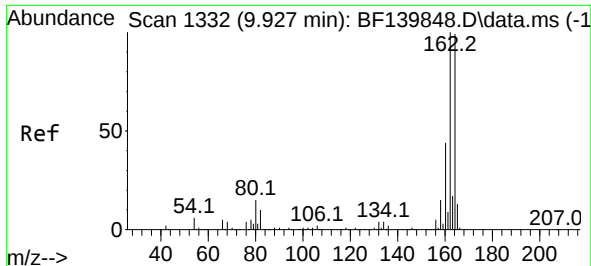
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#38
1-Methylnaphthalene
Concen: 44.059 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

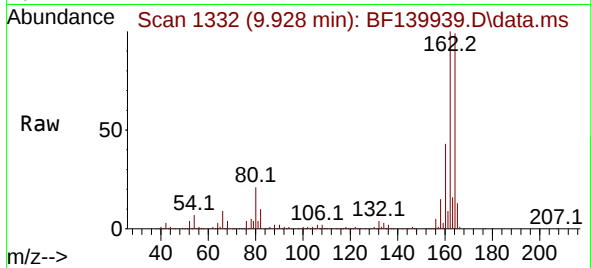
Tgt Ion:142 Resp: 794377
Ion Ratio Lower Upper
142 100
141 92.5 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1183
Delta R.T. 0.001 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

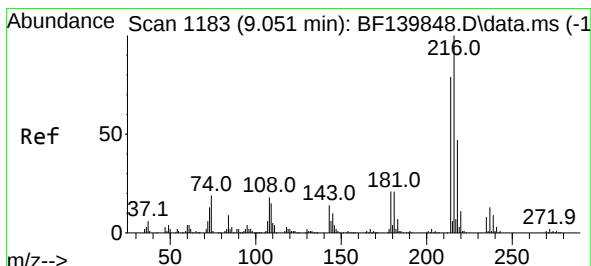
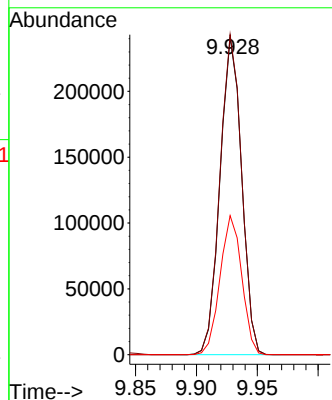
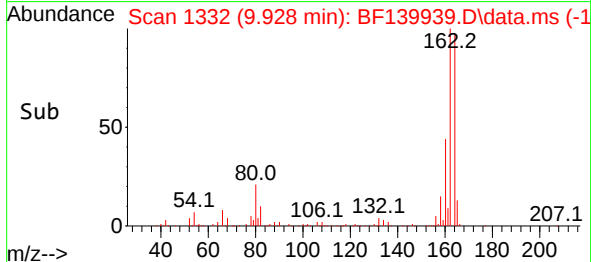
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



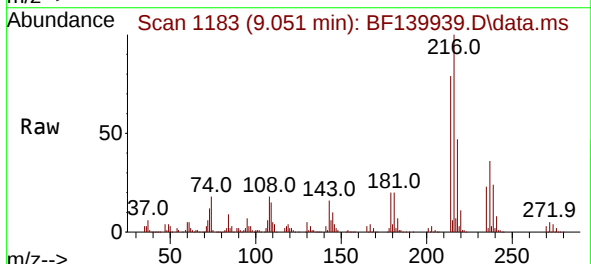
Tgt Ion:164 Resp: 29853
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 43.8 35.4 53.0

Manual Integrations
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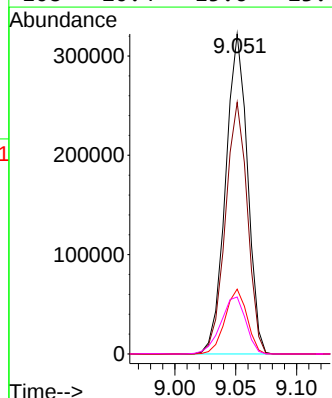
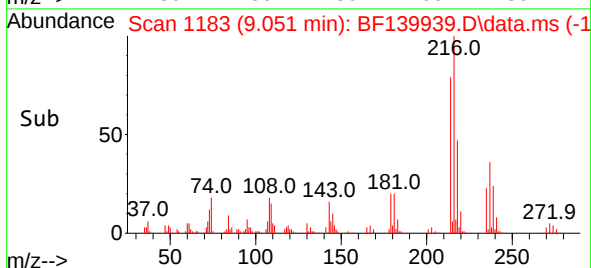
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

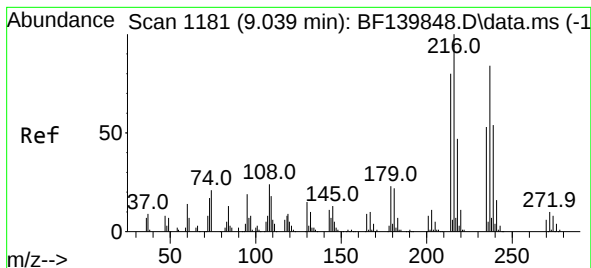


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.099 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:216 Resp: 403503
Ion Ratio Lower Upper
216 100
214 78.7 63.4 95.0
179 20.3 17.2 25.8
108 20.4 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 150.481 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139939.D

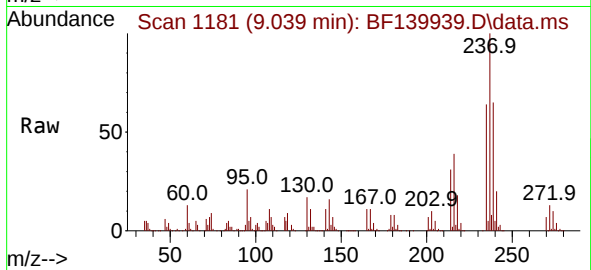
Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD

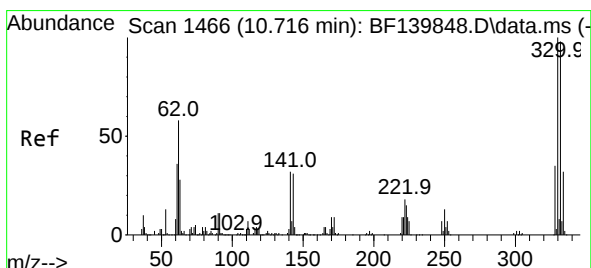
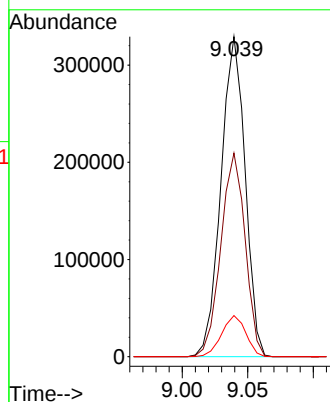
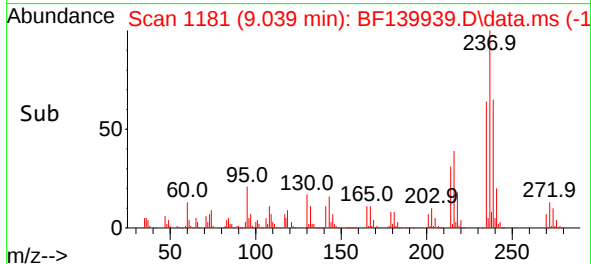


Tgt Ion:	237	Resp:	42171
Ion Ratio	Lower	Upper	
237	100		
235	63.6	42.9	82.9
272	12.8	0.0	32.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#42

2,4,6-Tribromophenol

Concen: 103.145 ng

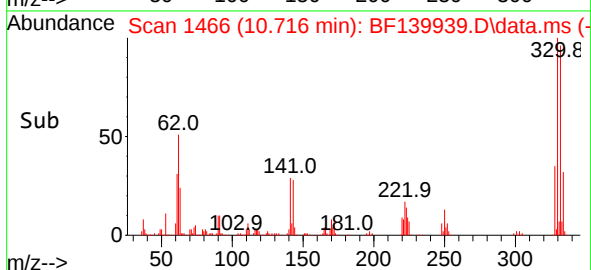
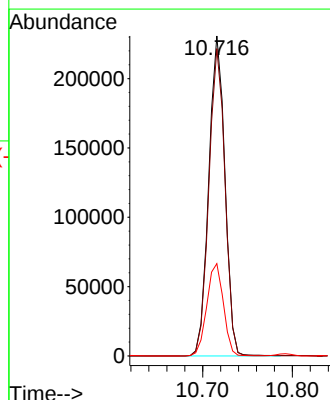
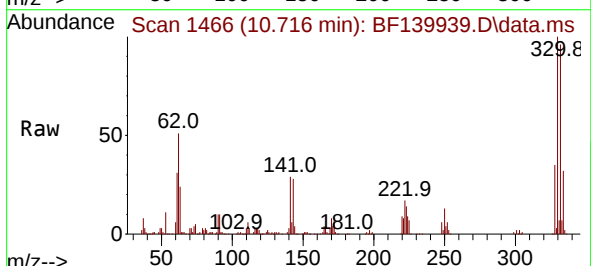
RT: 10.716 min Scan# 1466

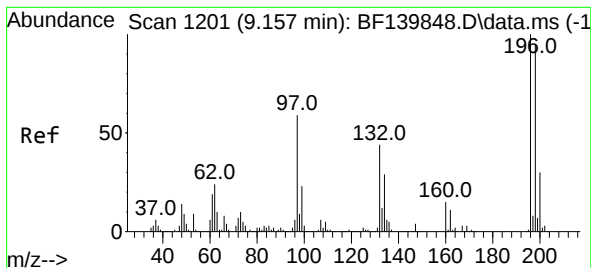
Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Tgt Ion:	330	Resp:	288024
Ion Ratio	Lower	Upper	
330	100		
332	96.2	78.1	117.1
141	29.7	26.6	39.8





#43

2,4,6-Trichlorophenol

Concen: 48.098 ng

RT: 9.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD

Tgt Ion:196 Resp: 27426

Ion Ratio Lower Upper

196 100

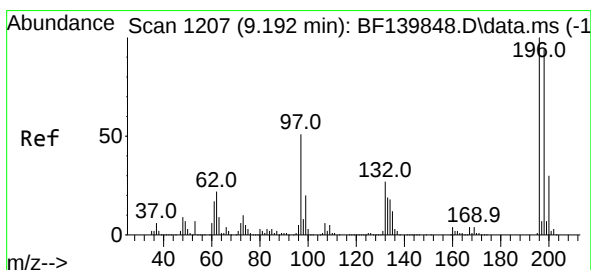
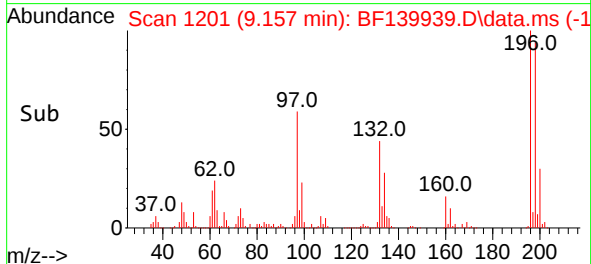
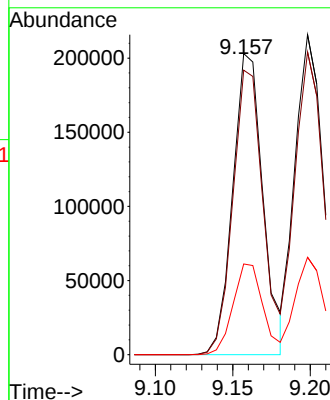
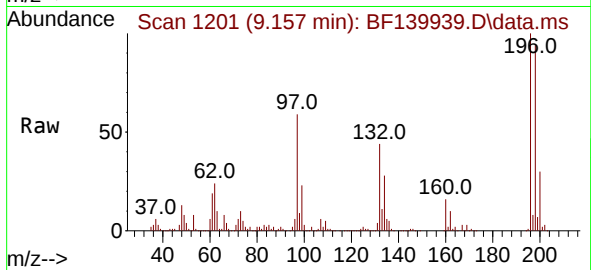
198 94.5 76.2 114.2

200 30.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#44

2,4,5-Trichlorophenol

Concen: 45.634 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Tgt Ion:196 Resp: 268472

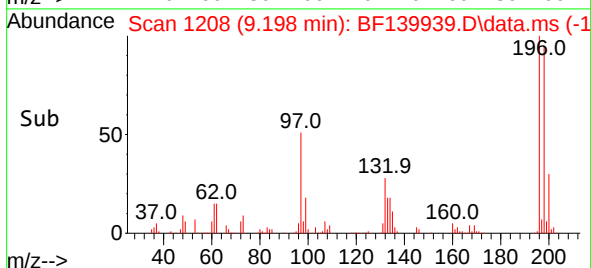
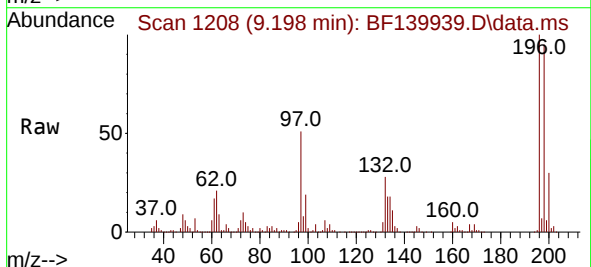
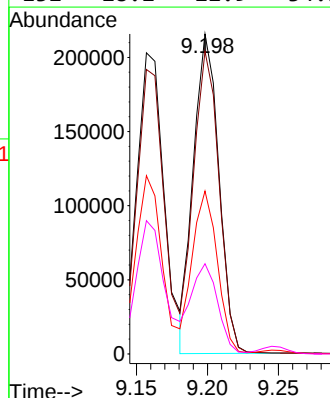
Ion Ratio Lower Upper

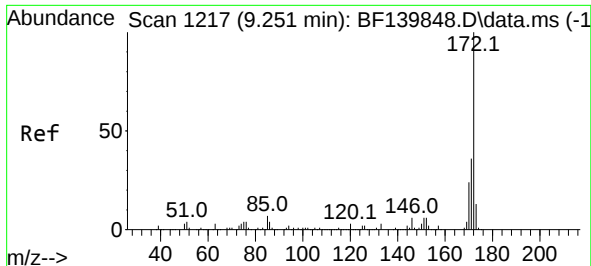
196 100

198 94.6 75.8 113.6

97 50.9 41.8 62.6

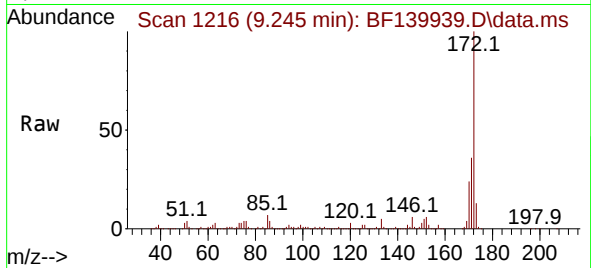
132 28.2 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 81.774 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

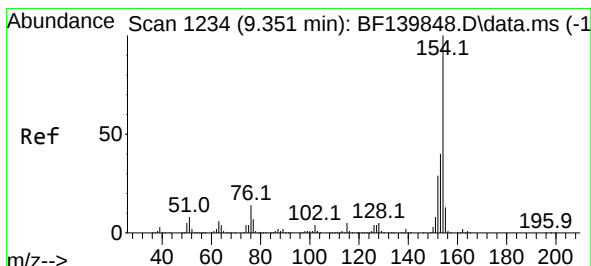
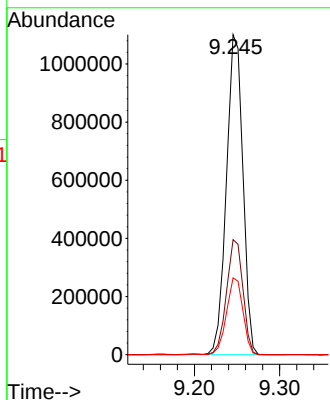
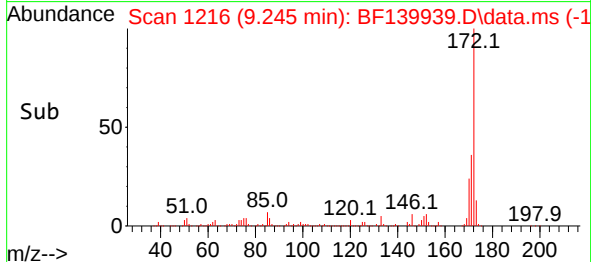
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



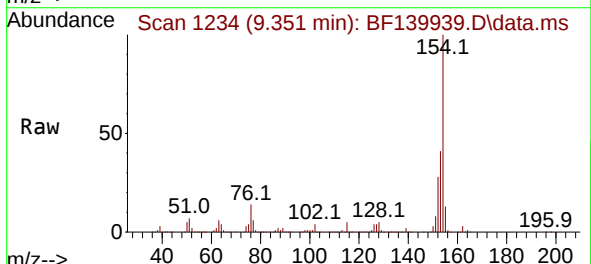
Tgt Ion:172 Resp: 1477128
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.0 19.1 28.7

Manual Integrations
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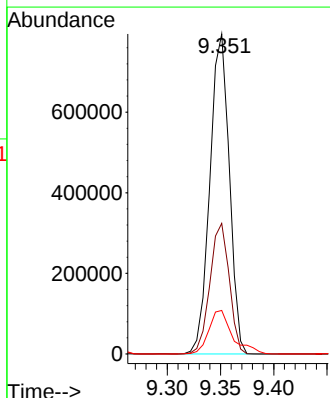
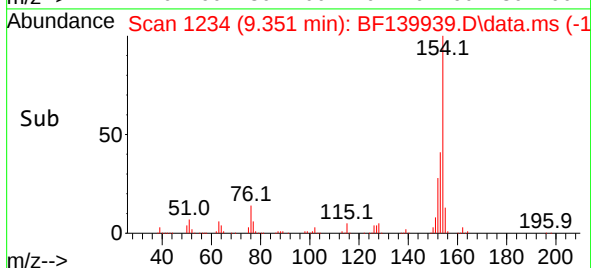
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

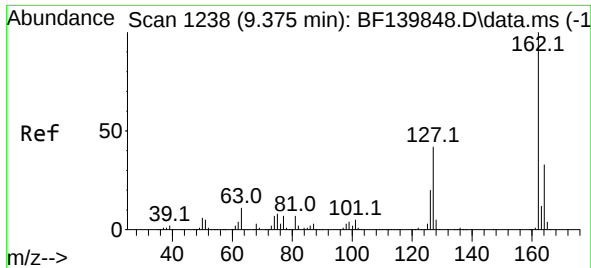


#46
1,1'-Biphenyl
Concen: 48.332 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



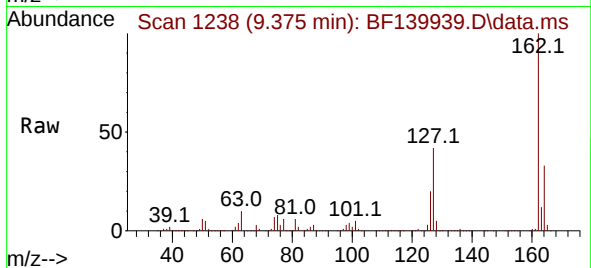
Tgt Ion:154 Resp: 1004455
Ion Ratio Lower Upper
154 100
153 40.8 20.3 60.3
76 13.6 0.0 33.9





#47
2-Chloronaphthalene
Concen: 47.776 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

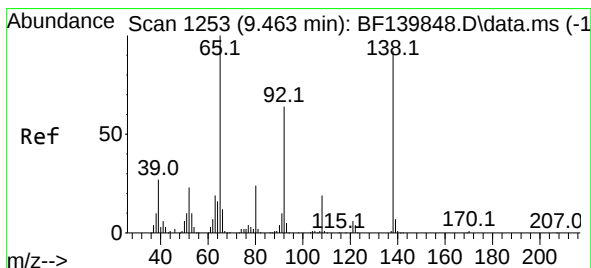
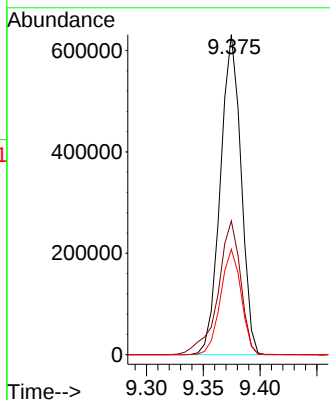
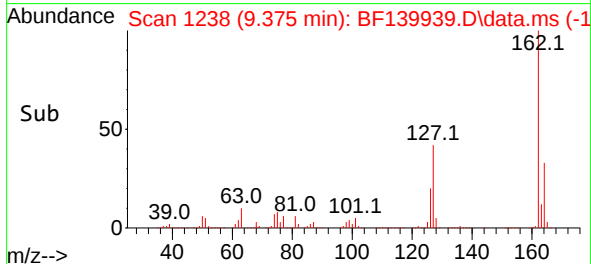
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



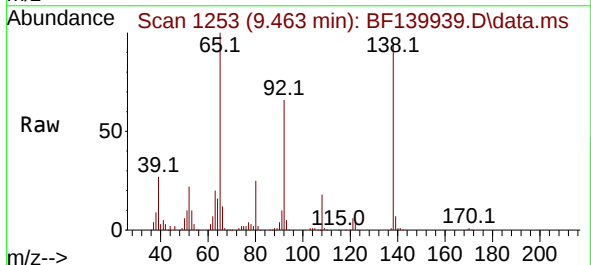
Tgt Ion:162 Resp: 799700
Ion Ratio Lower Upper
162 100
127 41.8 33.8 50.6
164 32.9 26.6 39.8

Manual Integrations
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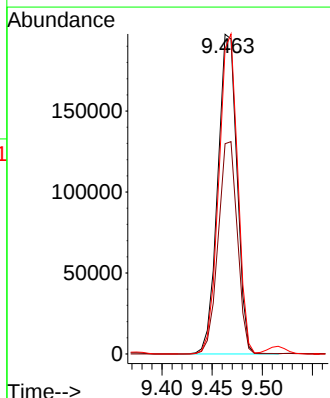
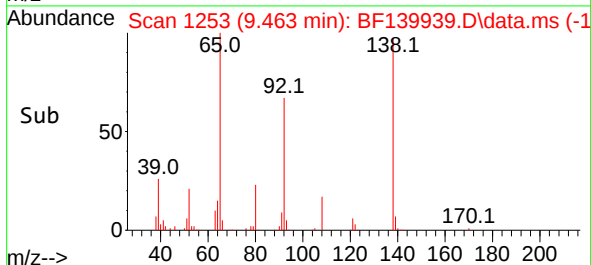
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

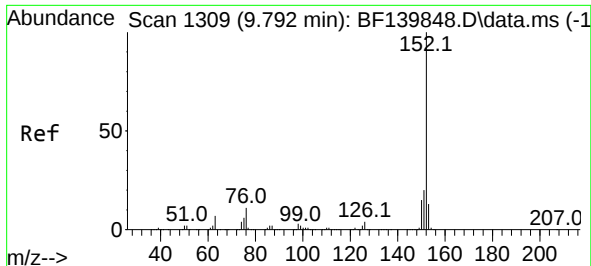


#48
2-Nitroaniline
Concen: 51.289 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



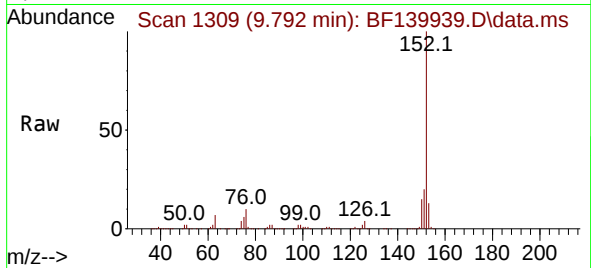
Tgt Ion: 65 Resp: 262566
Ion Ratio Lower Upper
65 100
92 65.7 50.9 76.3
138 95.5 73.4 110.0





#49
Acenaphthylene
Concen: 50.598 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

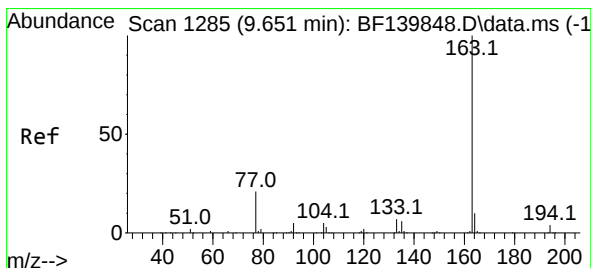
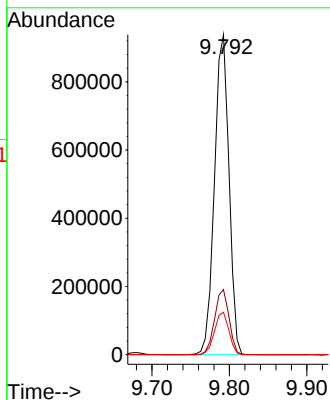
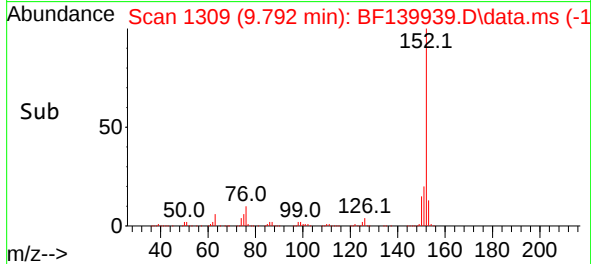
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



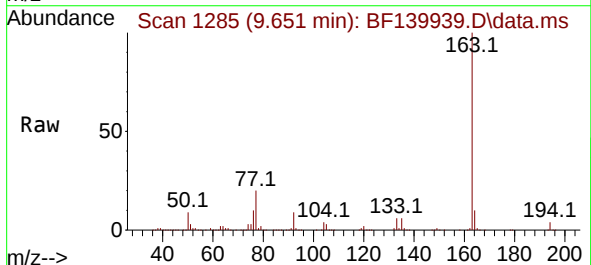
Tgt Ion:152 Resp: 1224410
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.3 10.7 16.1

Manual Integrations
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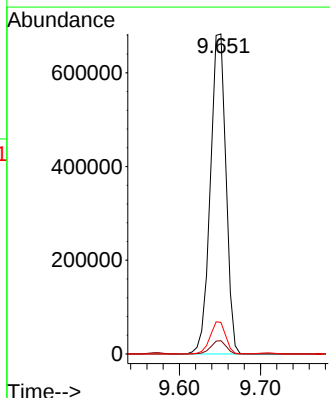
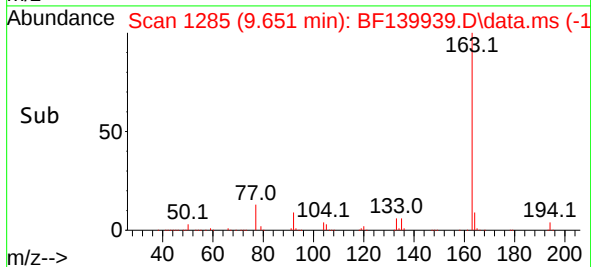
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

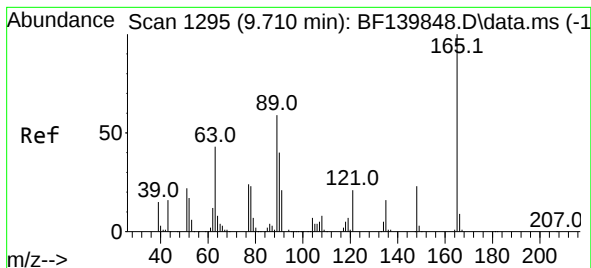


#50
Dimethylphthalate
Concen: 48.929 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



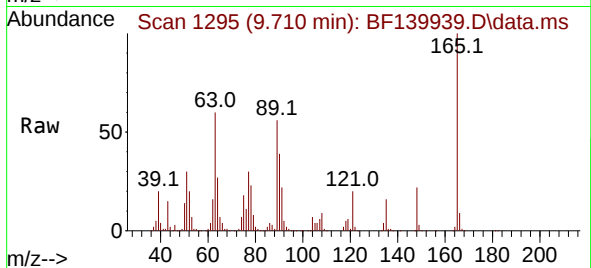
Tgt Ion:163 Resp: 909840
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.8 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 48.063 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

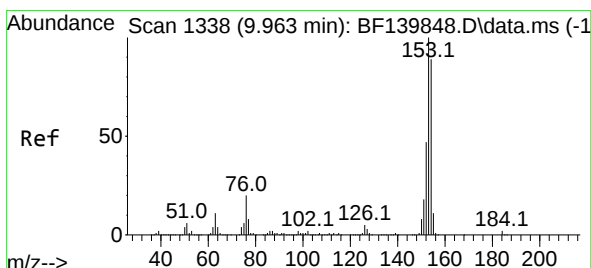
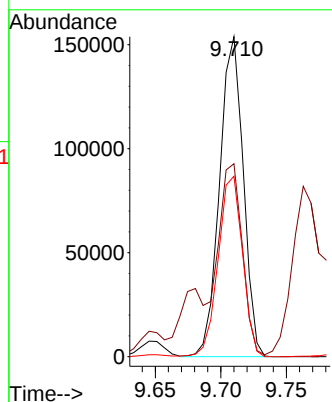
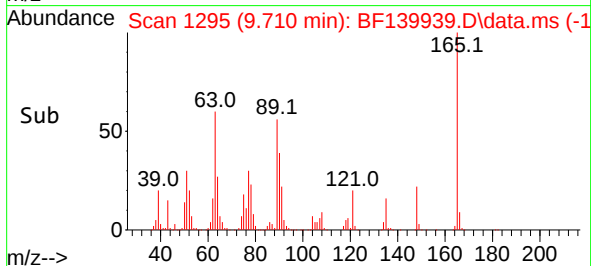
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



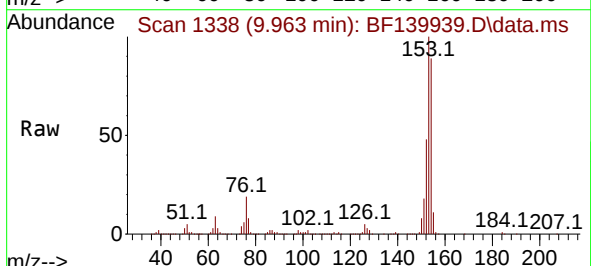
Tgt Ion:165 Resp: 193514
Ion Ratio Lower Upper
165 100
63 60.3 50.6 75.8
89 56.4 47.5 71.3

Manual Integrations
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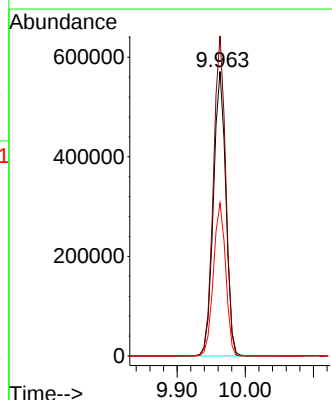
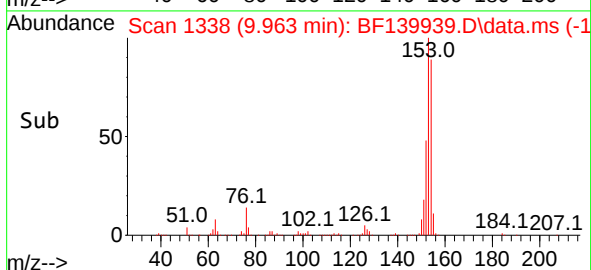
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

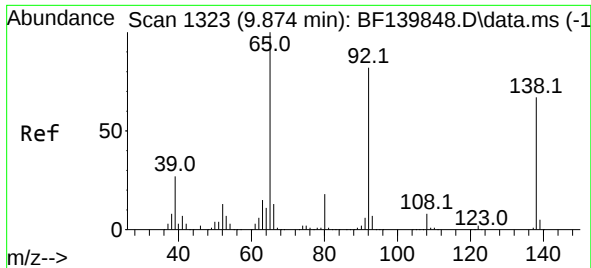


#52
Acenaphthene
Concen: 46.408 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



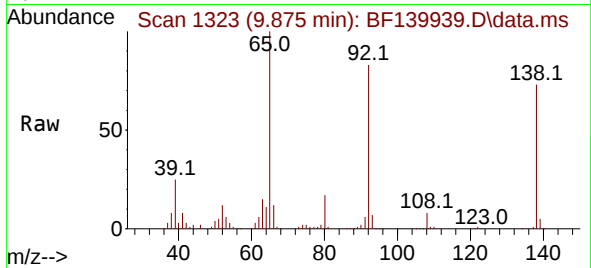
Tgt Ion:154 Resp: 726476
Ion Ratio Lower Upper
154 100
153 112.5 89.8 134.6
152 53.7 42.4 63.6





#53
3-Nitroaniline
Concen: 26.360 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

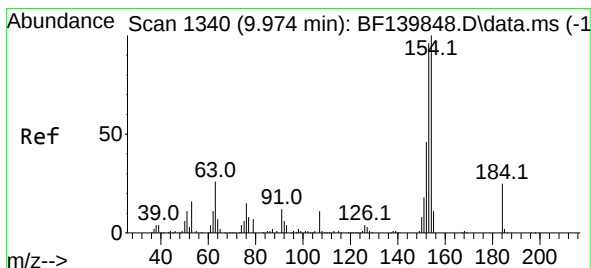
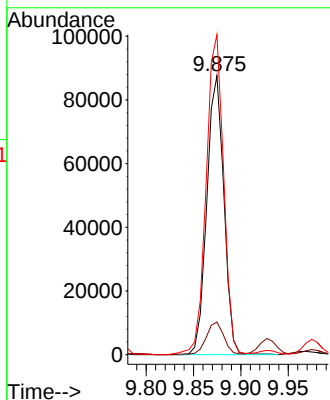
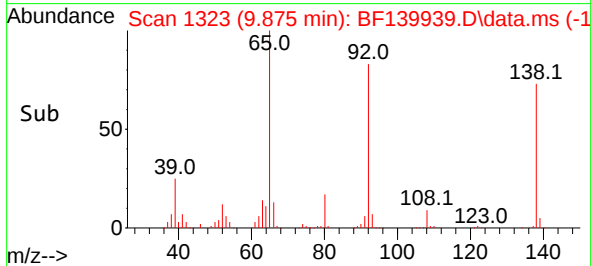
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:138 Resp: 109448
Ion Ratio Lower Upper
138 100
108 11.7 10.2 15.2
92 114.7 98.3 147.5

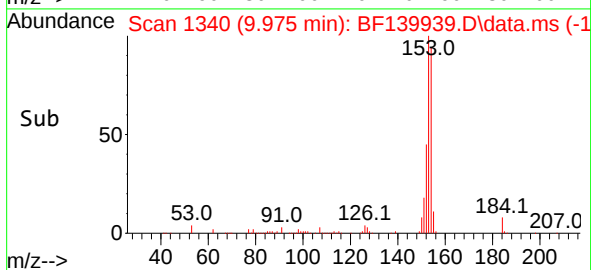
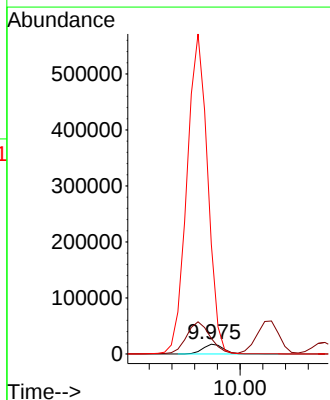
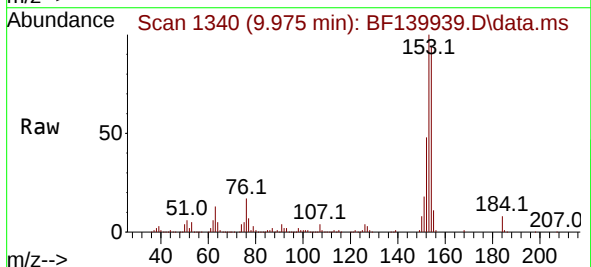
Manual Integrations
APPROVED

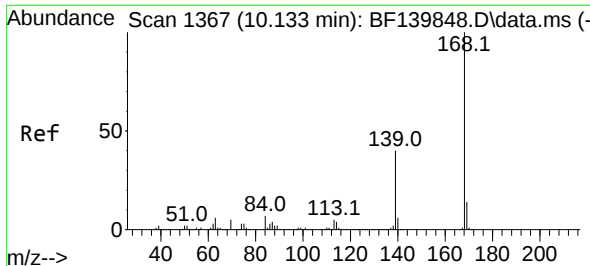
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#54
2,4-Dinitrophenol
Concen: 18.524 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

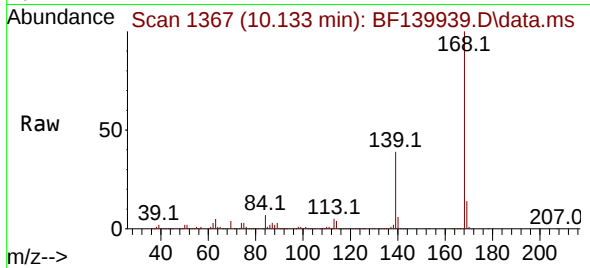
Tgt Ion:184 Resp: 21850
Ion Ratio Lower Upper
184 100
63 158.8 84.7 127.1#
154 1117.6 338.2 507.2#





#55
Dibenzofuran
Concen: 47.486 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

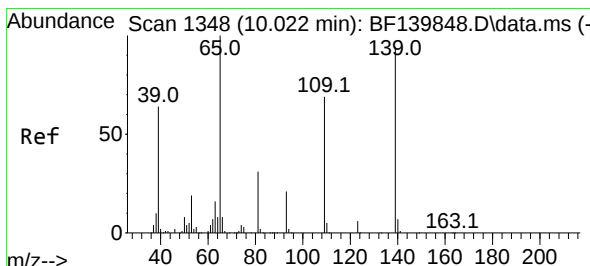
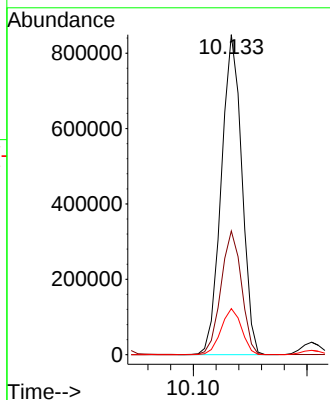
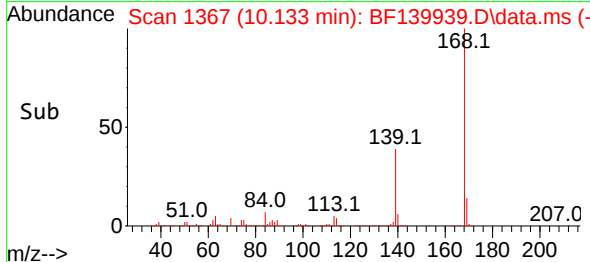
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:168 Resp: 106654
Ion Ratio Lower Upper
168 100
139 38.7 31.8 47.6
169 14.4 11.6 17.4

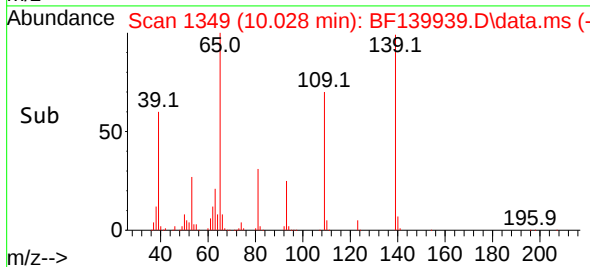
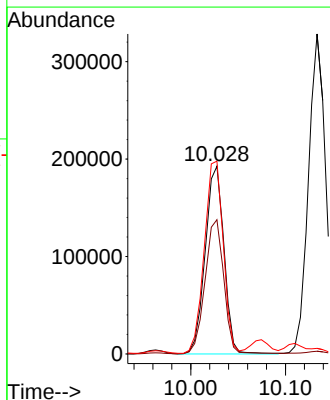
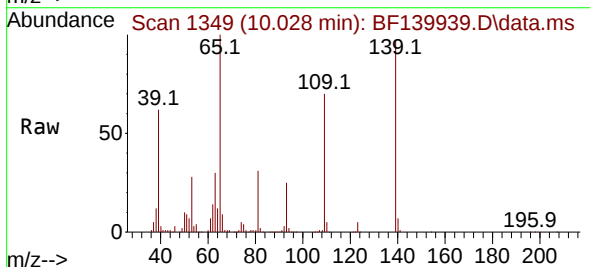
Manual Integrations
APPROVED

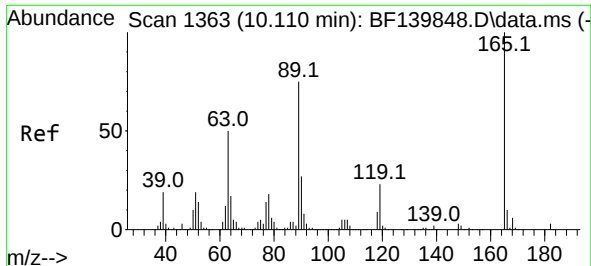
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#56
4-Nitrophenol
Concen: 82.920 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

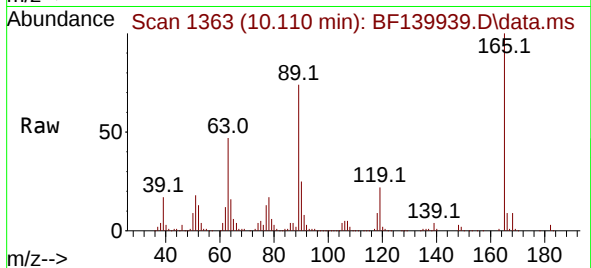
Tgt Ion:139 Resp: 264879
Ion Ratio Lower Upper
139 100
109 71.6 53.6 93.6
65 102.7 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 49.513 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

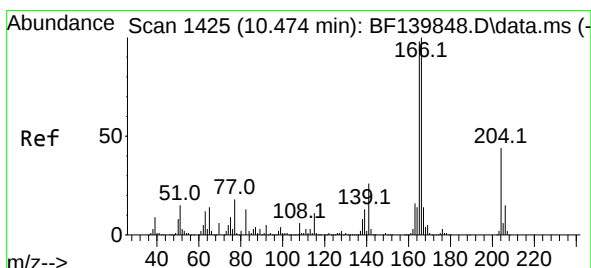
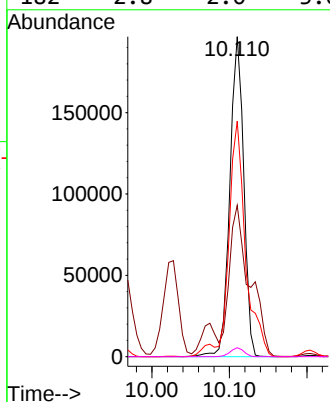
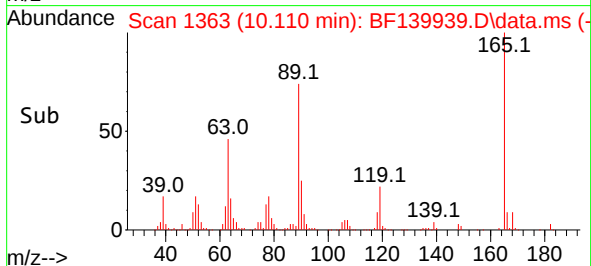
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



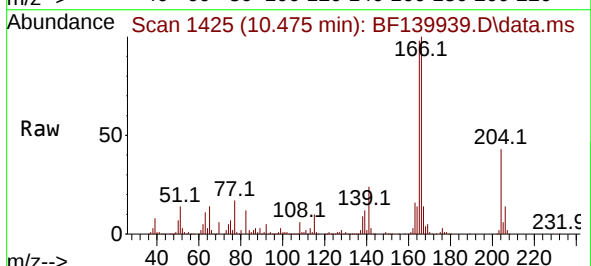
Tgt Ion:165 Resp: 24514
Ion Ratio Lower Upper
165 100
63 47.3 40.1 60.1
89 73.6 60.4 90.6
182 2.8 2.0 3.0

Manual Integrations
APPROVED

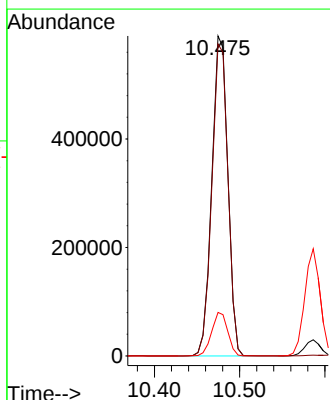
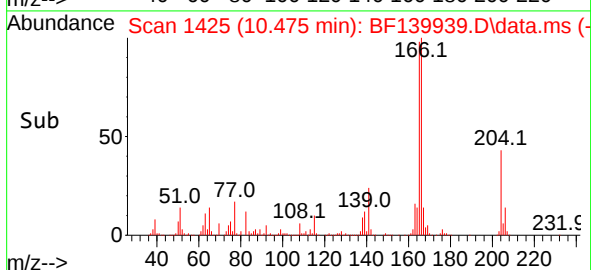
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

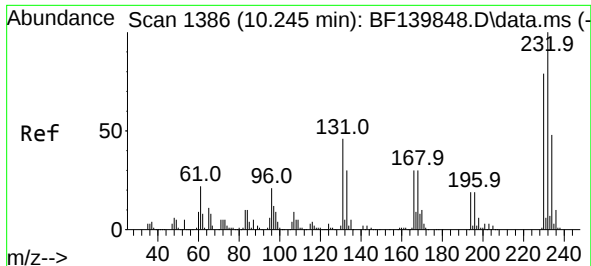


#58
Fluorene
Concen: 45.058 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



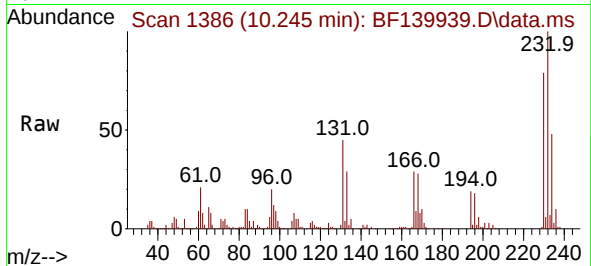
Tgt Ion:166 Resp: 770802
Ion Ratio Lower Upper
166 100
165 97.5 78.5 117.7
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.657 ng
RT: 10.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

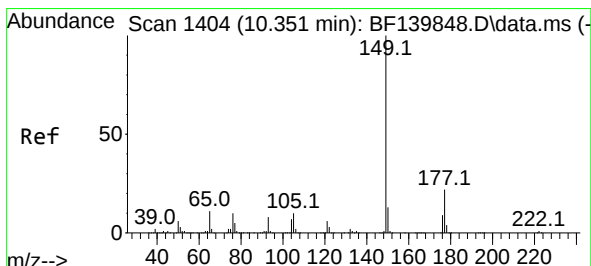
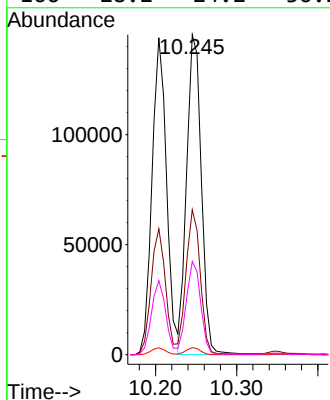
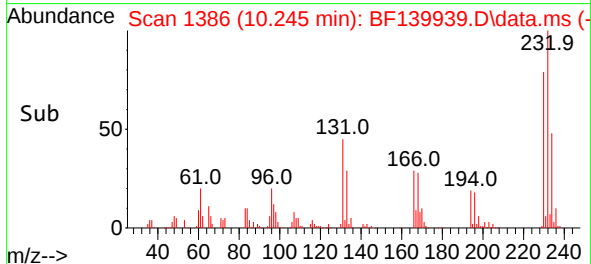
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



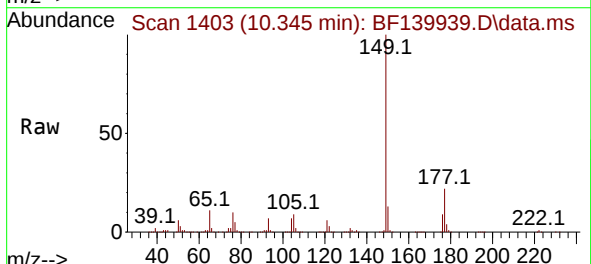
Tgt Ion:232 Resp: 18289
Ion Ratio Lower Upper
232 100
131 44.7 37.0 55.6
130 2.1 1.9 2.9
166 28.2 24.2 36.2

Manual Integrations
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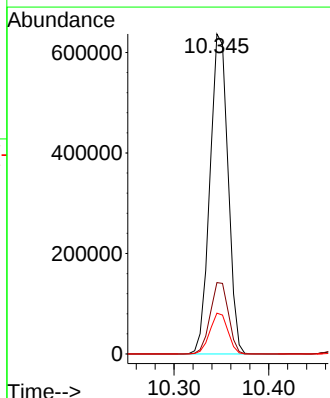
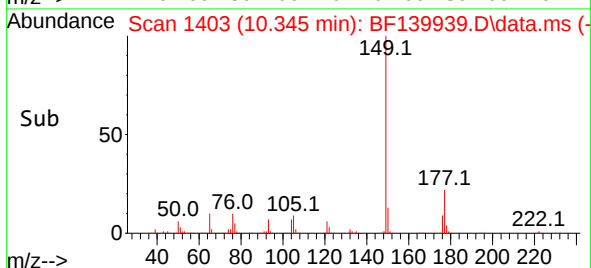
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

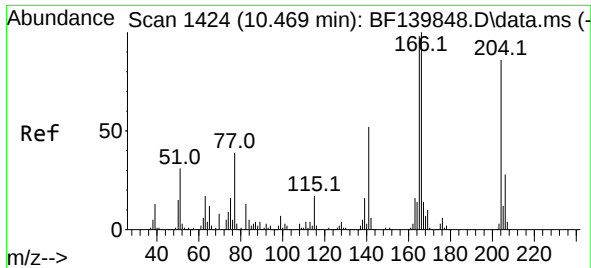


#60
Diethylphthalate
Concen: 46.053 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



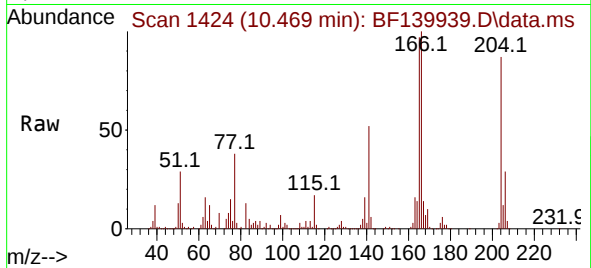
Tgt Ion:149 Resp: 840830
Ion Ratio Lower Upper
149 100
177 22.3 17.9 26.9
150 12.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 46.404 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

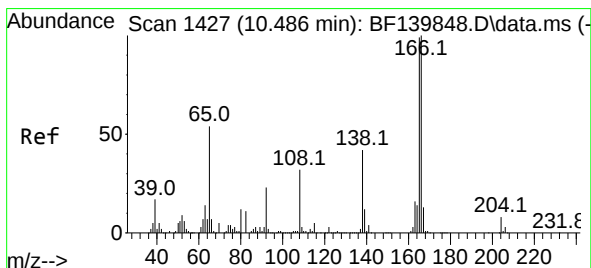
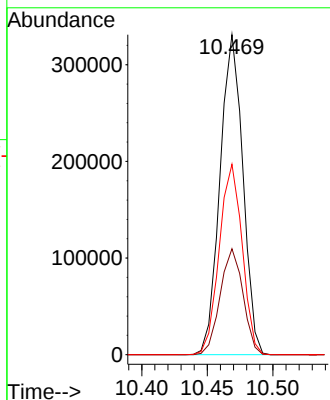
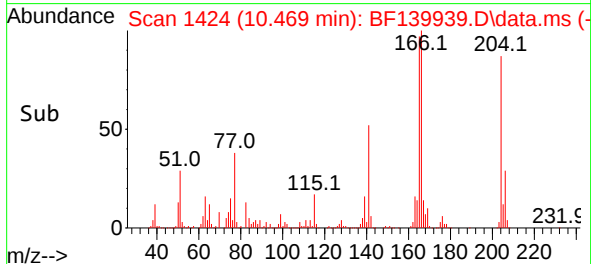
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



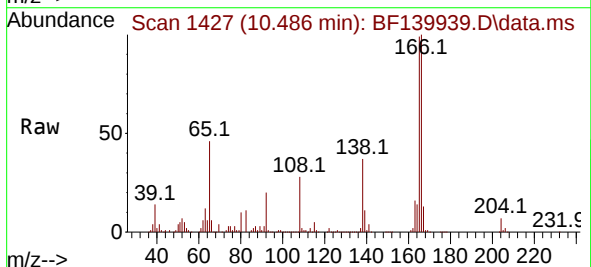
Tgt Ion:204 Resp: 40088
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 59.5 48.6 73.0

Manual Integrations
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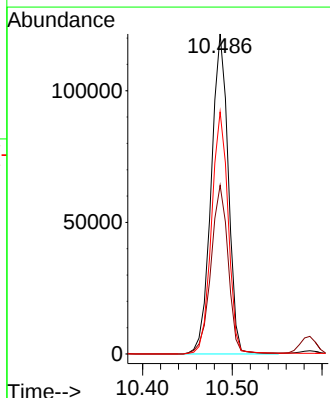
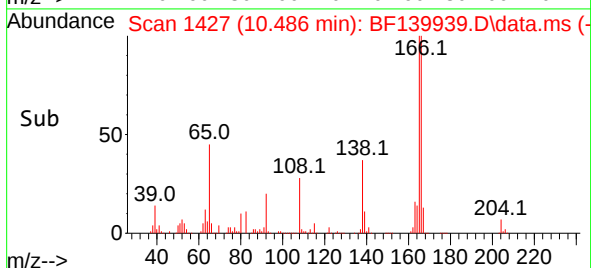
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

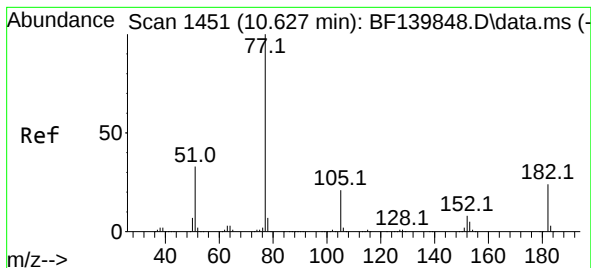


#62
4-Nitroaniline
Concen: 40.986 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



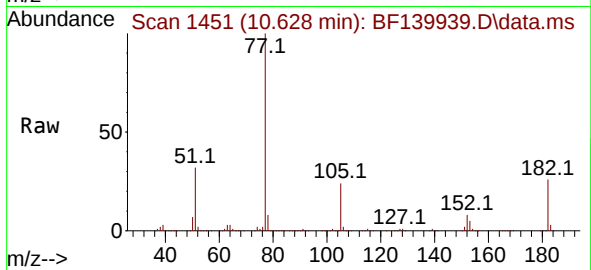
Tgt Ion:138 Resp: 160726
Ion Ratio Lower Upper
138 100
92 52.7 35.7 75.7
108 75.7 57.5 97.5





#63
Azobenzene
Concen: 46.861 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

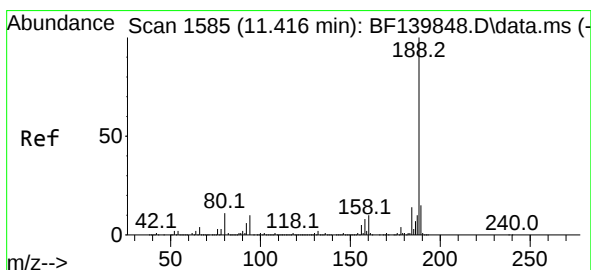
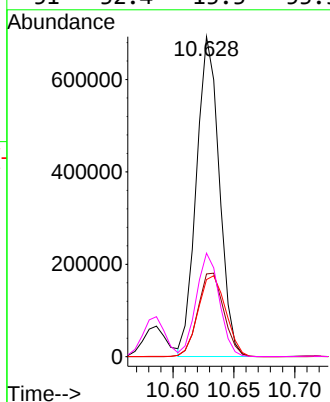
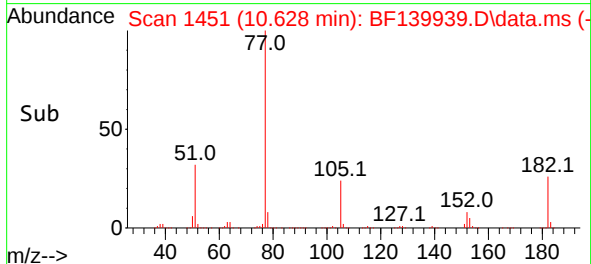
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



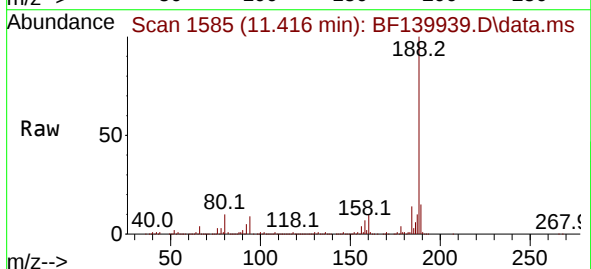
Tgt Ion: 77 Resp: 90705
Ion Ratio Lower Upper
77 100
182 25.9 3.3 43.3
105 24.1 1.2 41.2
51 32.4 13.3 53.3

Manual Integrations
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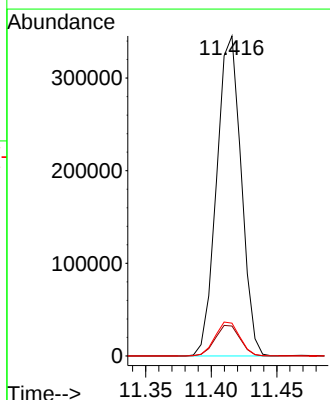
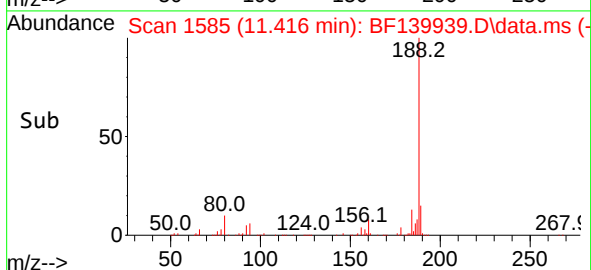
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

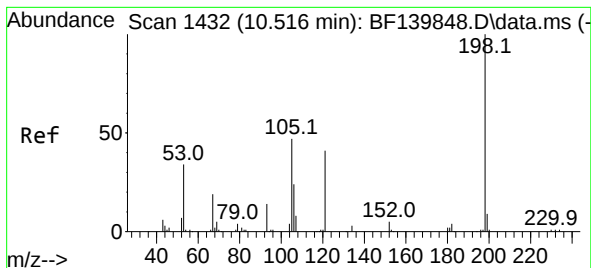


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:188 Resp: 449643
Ion Ratio Lower Upper
188 100
94 9.3 7.9 11.9
80 10.2 9.0 13.4





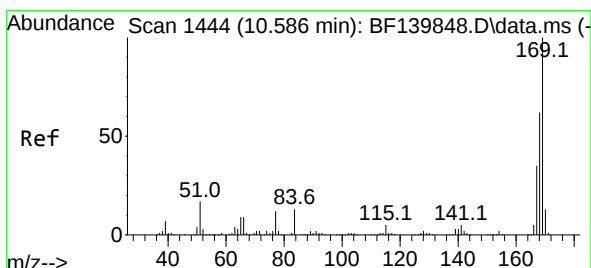
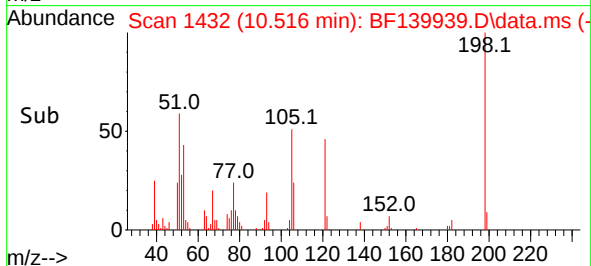
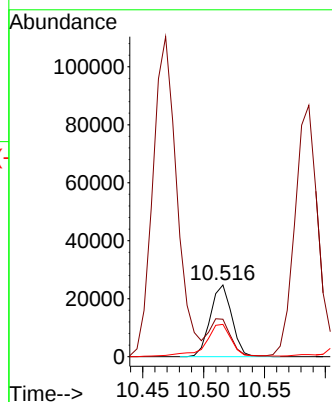
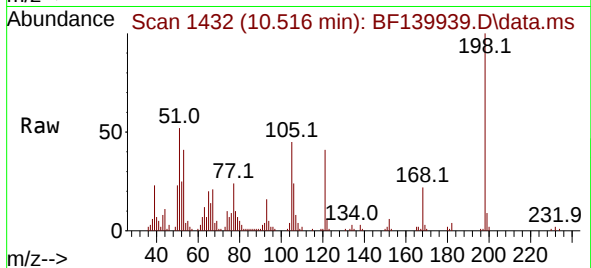
#65
4,6-Dinitro-2-methylphenol
Concen: 16.570 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD

Tgt Ion:198 Resp: 30390
Ion Ratio Lower Upper
198 100
51 52.1 38.2 78.2
105 45.1 27.9 67.9

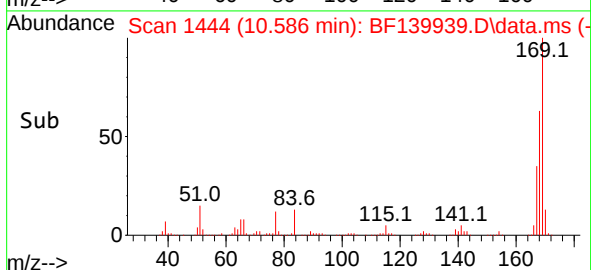
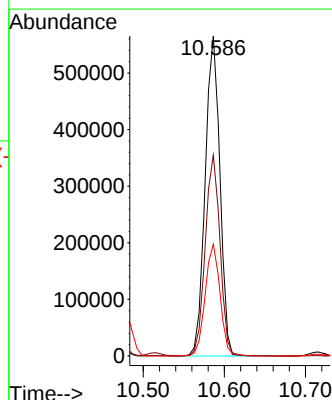
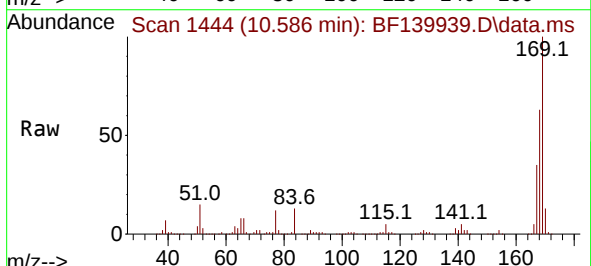
Manual Integrations
APPROVED

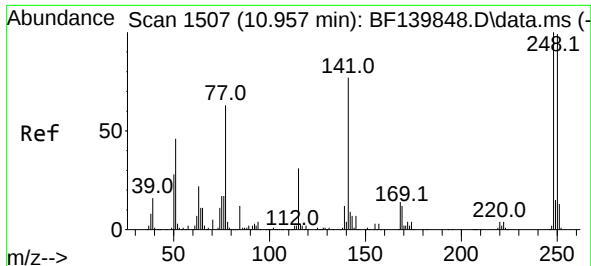
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#66
n-Nitrosodiphenylamine
Concen: 52.642 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

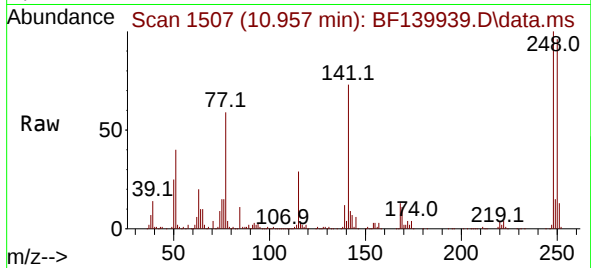
Tgt Ion:169 Resp: 708433
Ion Ratio Lower Upper
169 100
168 62.8 49.8 74.6
167 34.9 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 53.286 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

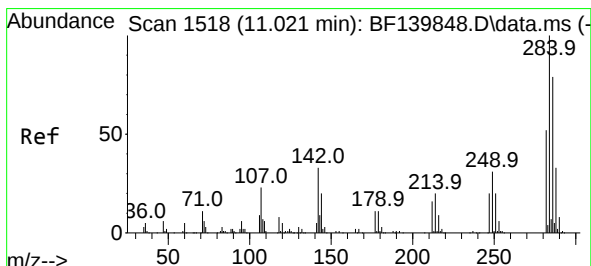
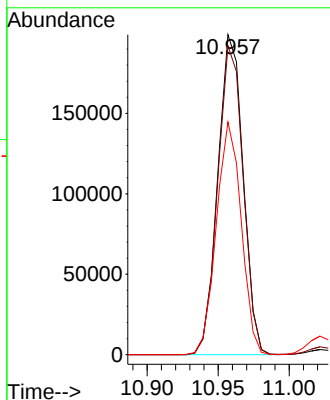
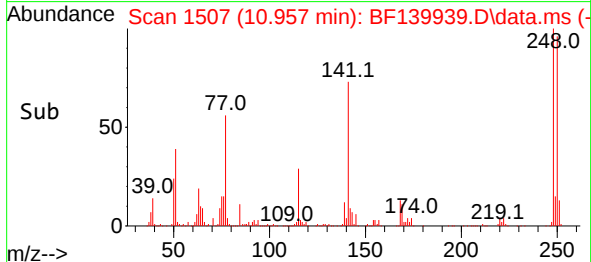
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



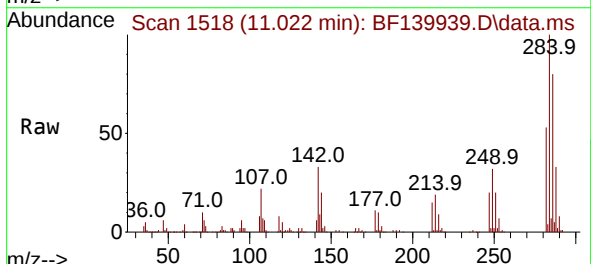
Tgt Ion:248 Resp: 246830
Ion Ratio Lower Upper
248 100
250 96.5 79.0 118.6
141 72.7 61.7 92.5

Manual Integrations
APPROVED

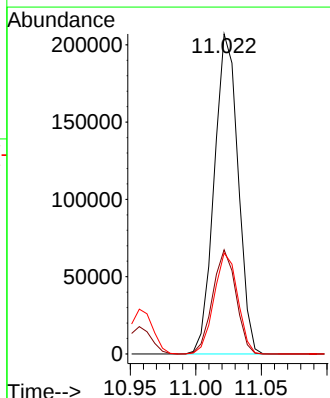
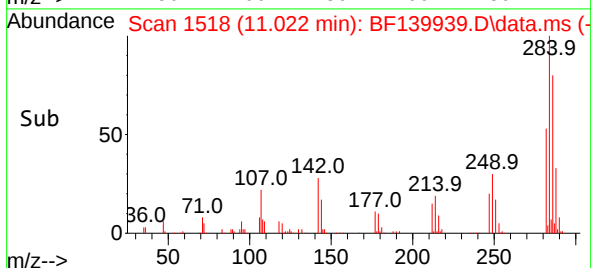
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

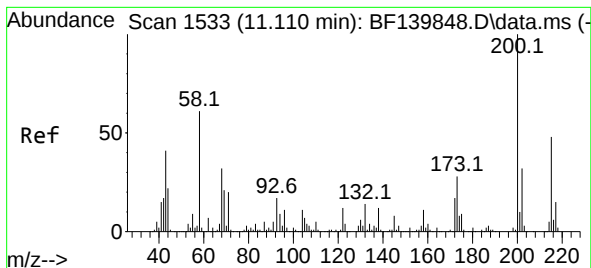


#68
Hexachlorobenzene
Concen: 50.131 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:284 Resp: 261163
Ion Ratio Lower Upper
284 100
142 32.5 26.9 40.3
249 31.5 25.3 37.9





#69

Atrazine

Concen: 59.497 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

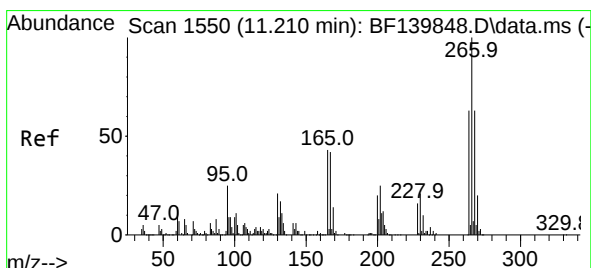
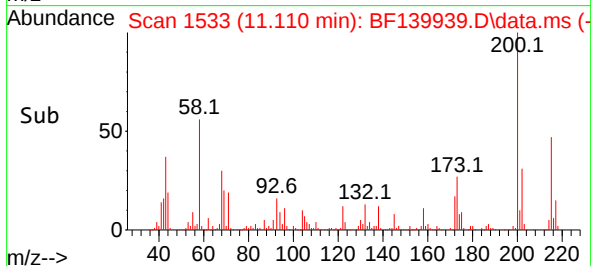
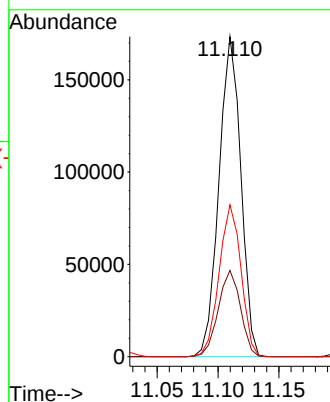
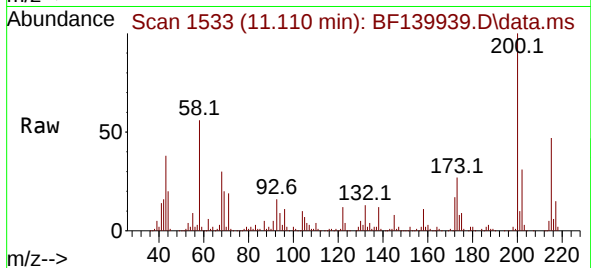
Hawthorne TP SoilMSD

Tgt Ion:200 Resp: 21689
 Ion Ratio Lower Upper
 200 100
 173 27.0 7.7 47.7
 215 47.4 27.7 67.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#70

Pentachlorophenol

Concen: 50.459 ng

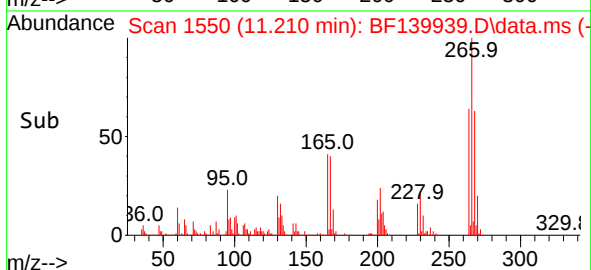
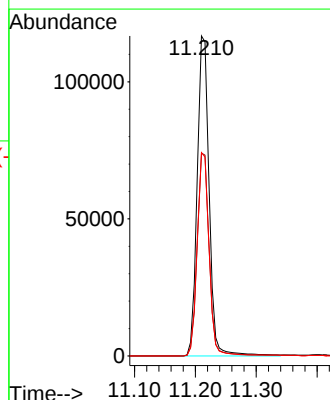
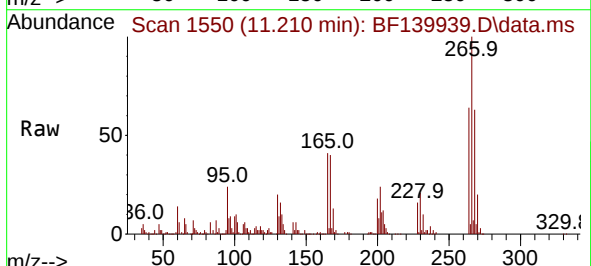
RT: 11.210 min Scan# 1550

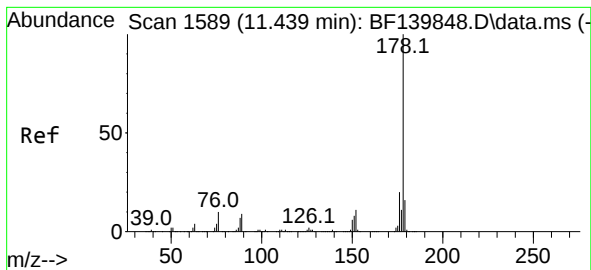
Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Tgt Ion:266 Resp: 159541
 Ion Ratio Lower Upper
 266 100
 268 63.4 50.4 75.6
 264 63.5 50.6 75.8





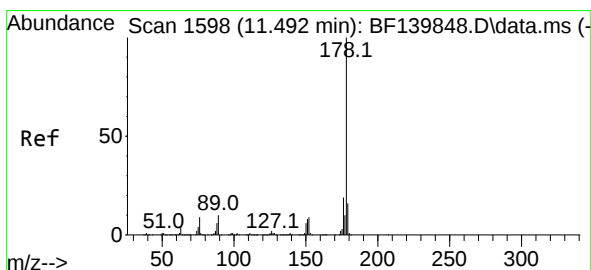
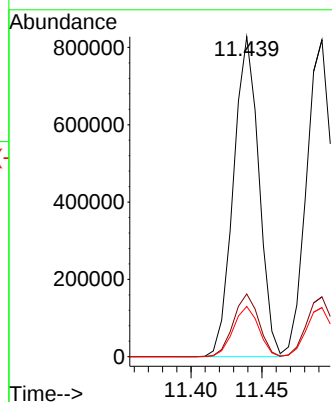
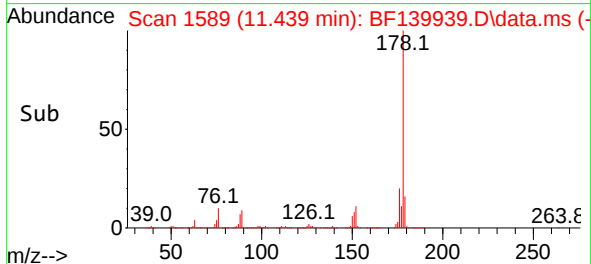
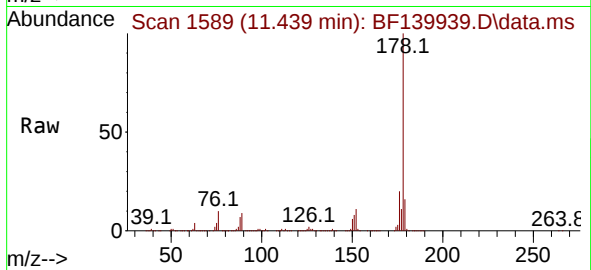
#71
Phenanthrene
Concen: 48.595 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD

Tgt Ion:178 Resp: 103211
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.7 12.6 18.8

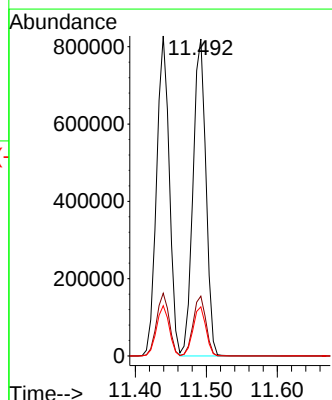
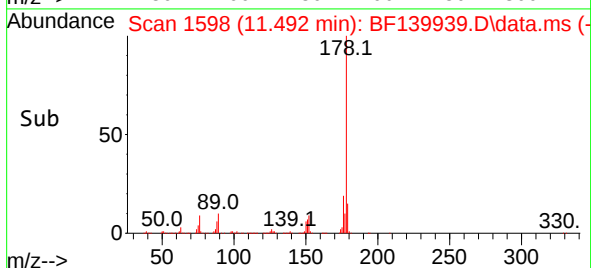
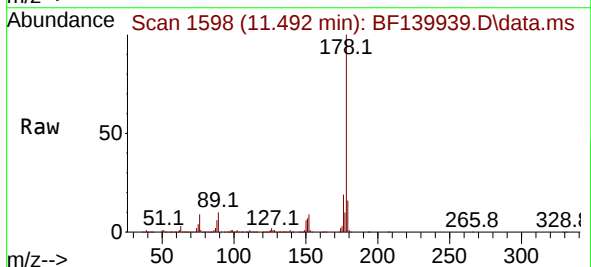
Manual Integrations
APPROVED

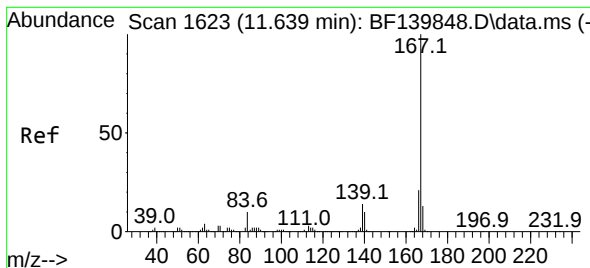
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#72
Anthracene
Concen: 49.901 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

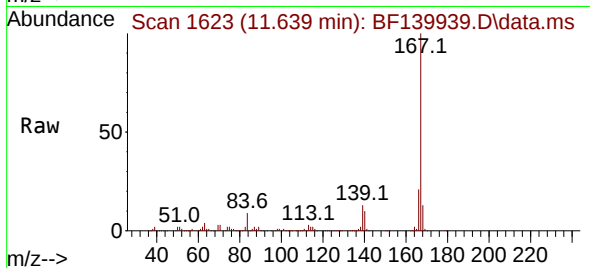
Tgt Ion:178 Resp: 1034079
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 45.583 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF139939.D
 Acq: 22 Oct 2024 20:22

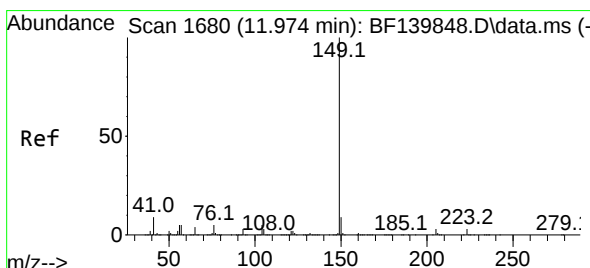
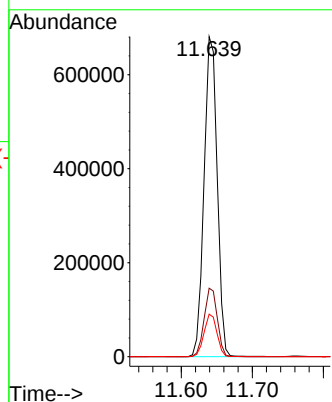
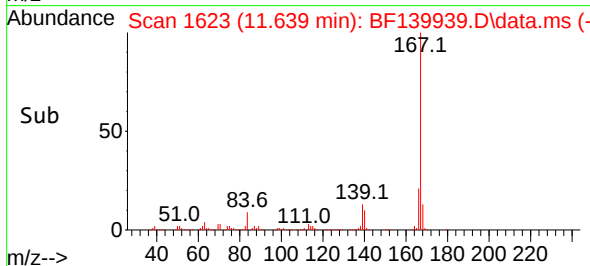
Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMSD



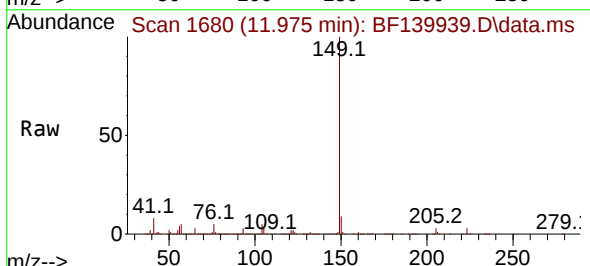
Tgt Ion:167 Resp: 87851
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 13.3 10.8 16.2

Manual Integrations
 APPROVED

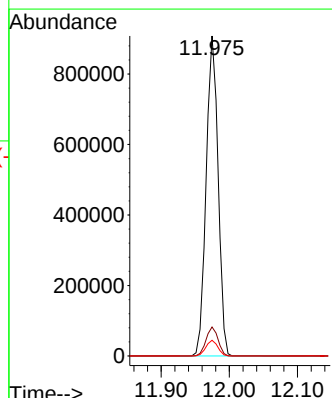
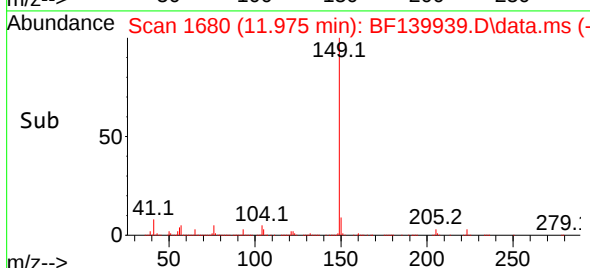
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

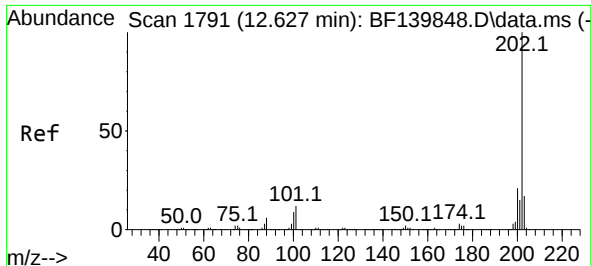


#74
 Di-n-butylphthalate
 Concen: 49.693 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139939.D
 Acq: 22 Oct 2024 20:22



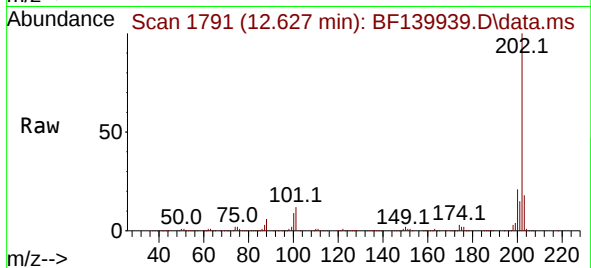
Tgt Ion:149 Resp: 1106480
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 46.716 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

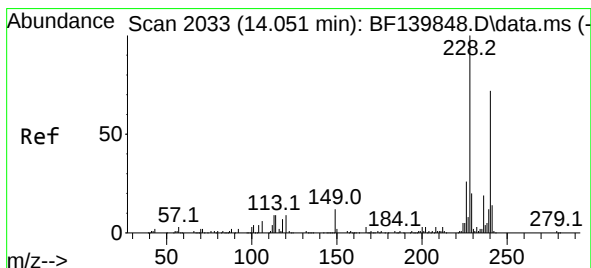
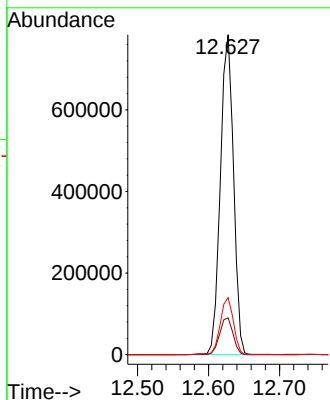
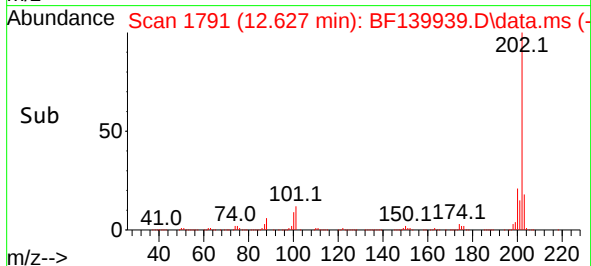
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



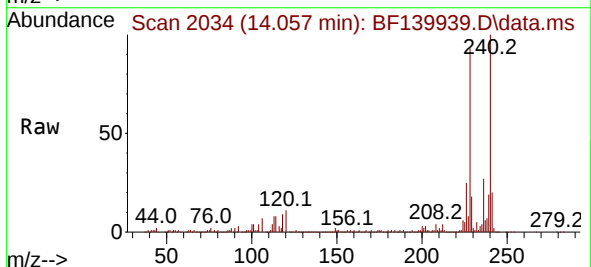
Tgt Ion:202 Resp: 1003050
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.8 0.0 37.5

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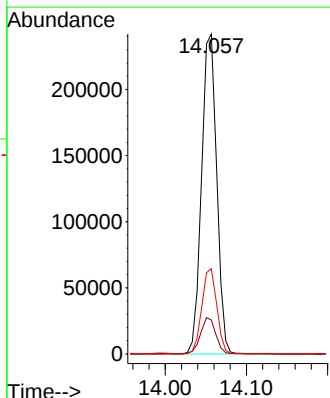
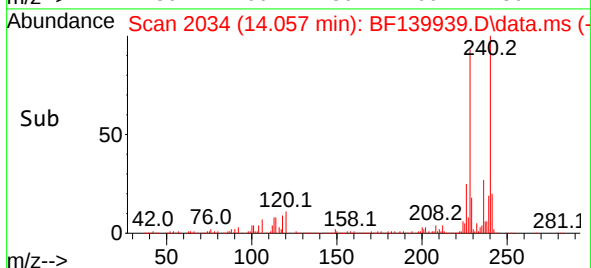
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

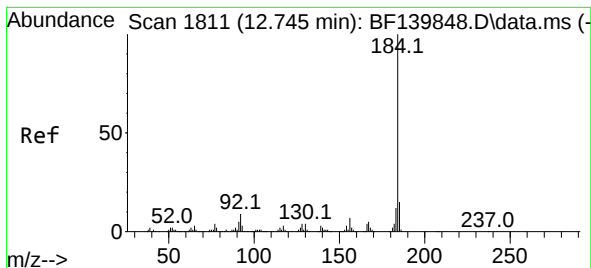


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:240 Resp: 313612
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 26.6 20.9 31.3





#77

Benzidine

Concen: 35.376 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

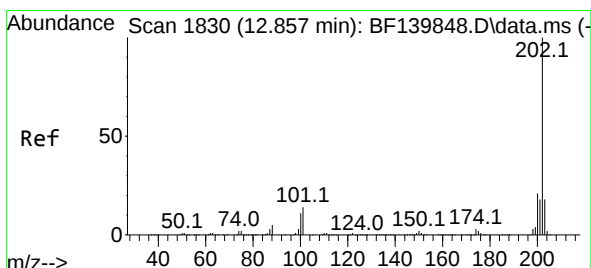
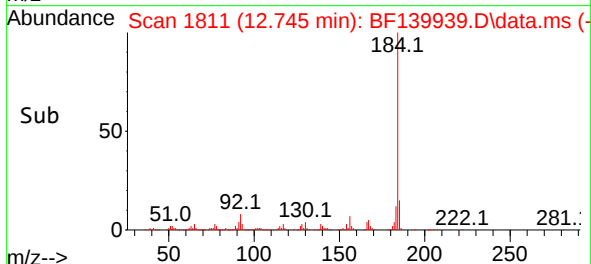
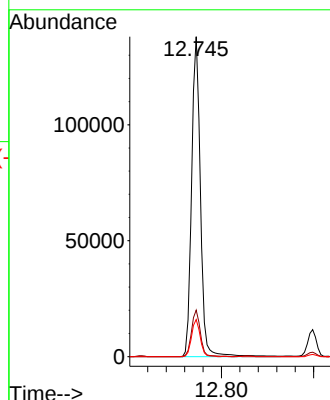
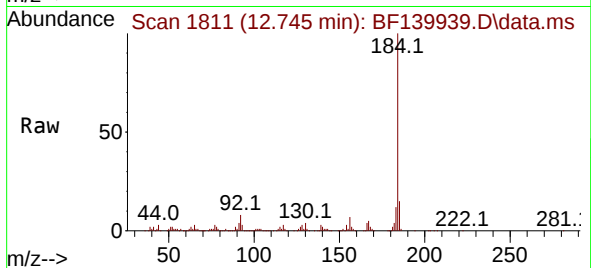
Hawthorne TP SoilMSD

Tgt Ion:184 Resp: 18243
 Ion Ratio Lower Upper
 184 100
 185 14.5 12.0 18.0
 183 11.6 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#78

Pyrene

Concen: 37.164 ng

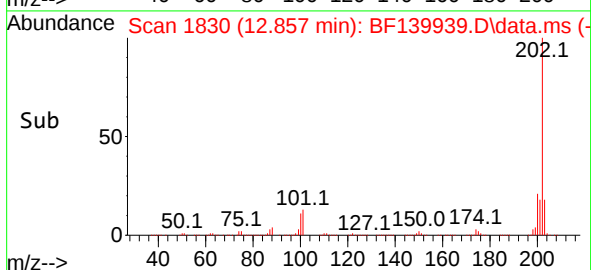
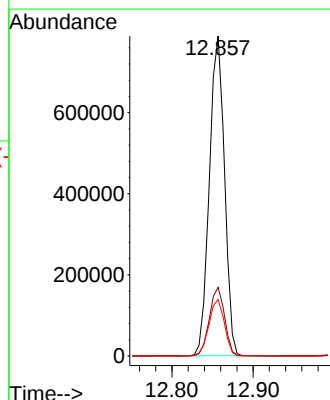
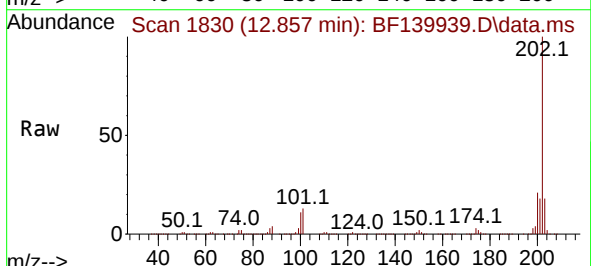
RT: 12.857 min Scan# 1830

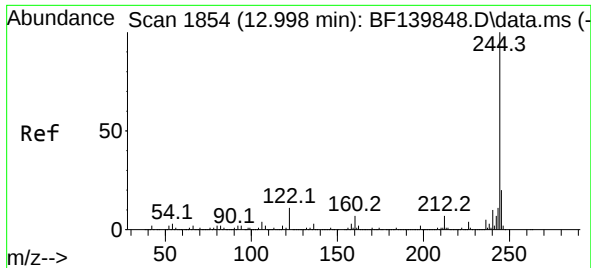
Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

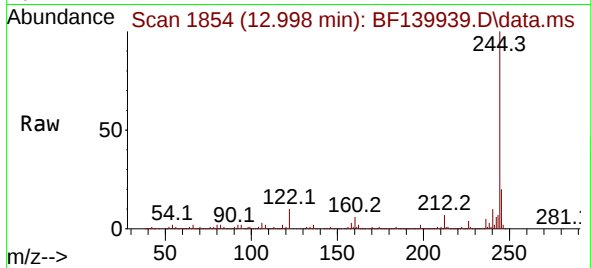
Tgt Ion:202 Resp: 1020217
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.2 25.8
 203 17.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 63.668 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139939.D
 Acq: 22 Oct 2024 20:22

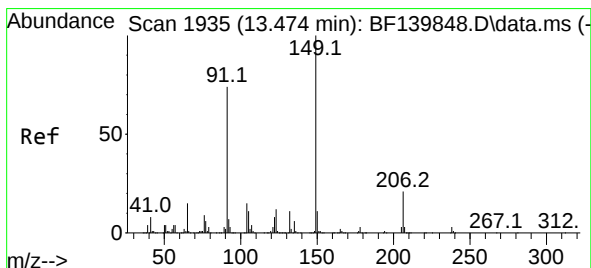
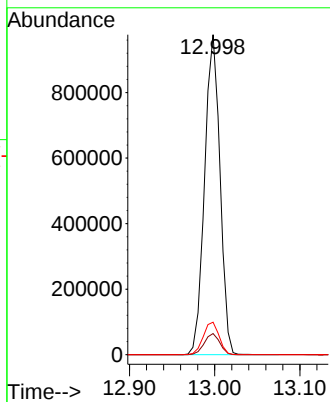
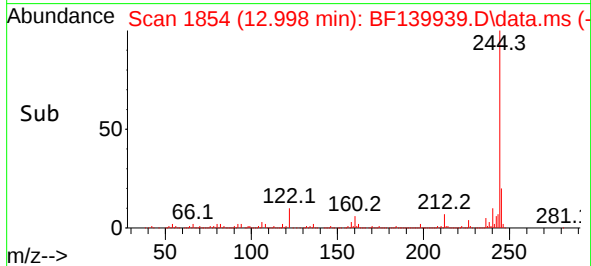
Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMSD



Tgt Ion:244 Resp: 122536
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 10.2 8.6 13.0

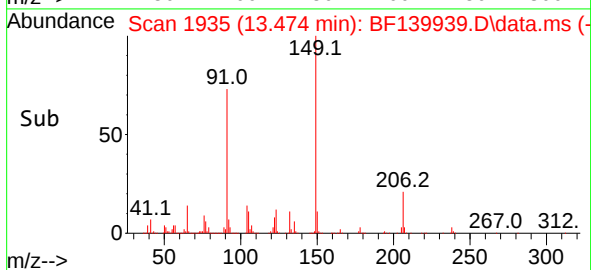
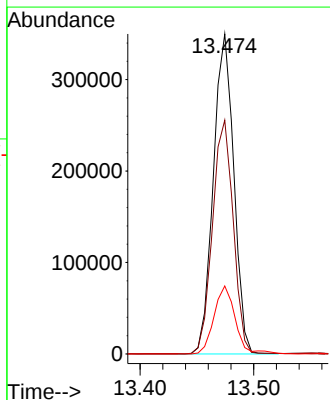
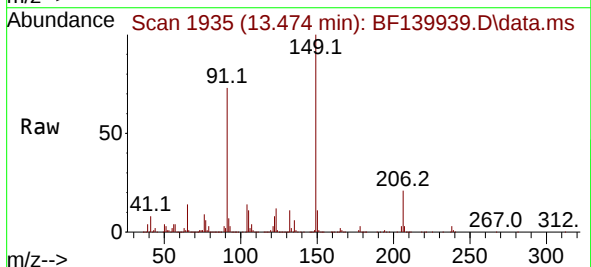
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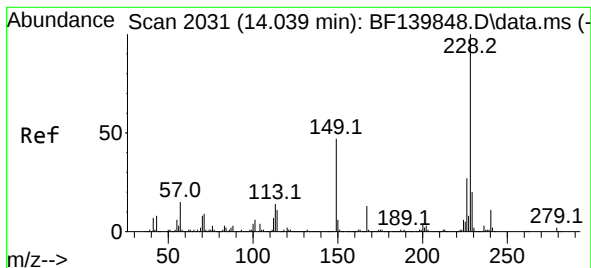
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#80
 Butylbenzylphthalate
 Concen: 53.286 ng
 RT: 13.474 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: BF139939.D
 Acq: 22 Oct 2024 20:22

Tgt Ion:149 Resp: 438548
 Ion Ratio Lower Upper
 149 100
 91 73.1 59.4 89.2
 206 21.3 16.4 24.6





#81

Benzo(a)anthracene

Concen: 49.946 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD

Tgt Ion:228 Resp: 1019640

Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

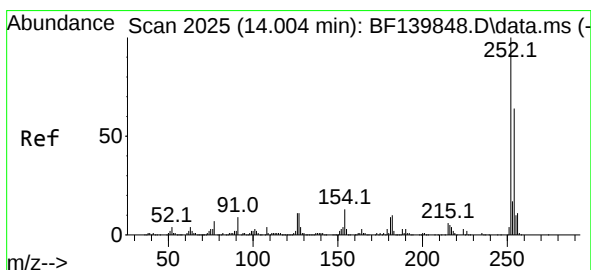
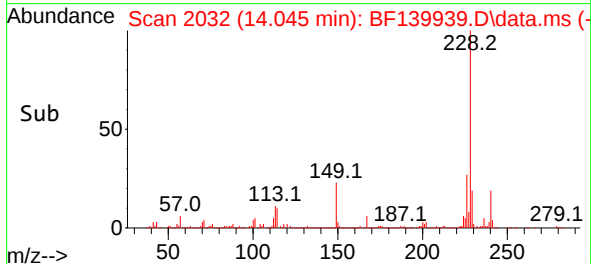
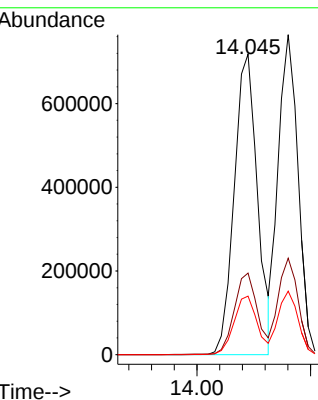
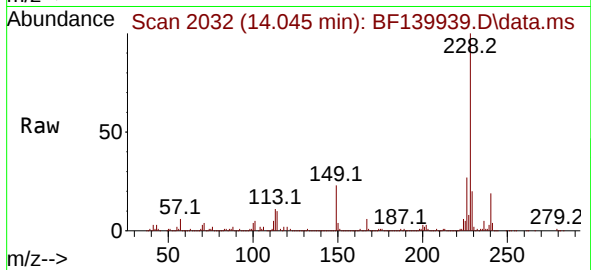
229 19.5 16.1 24.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 22.126 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

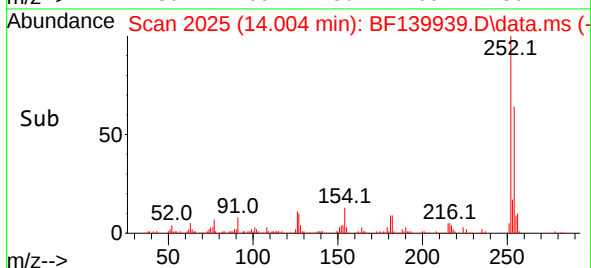
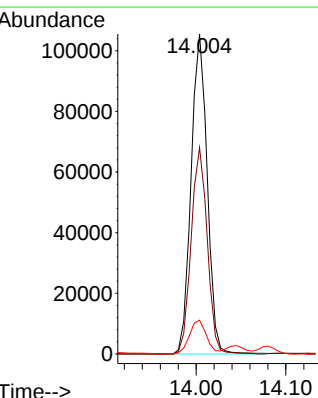
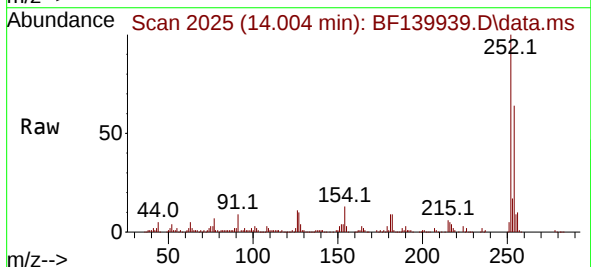
Tgt Ion:252 Resp: 131699

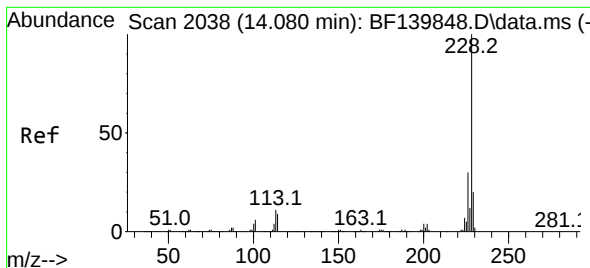
Ion Ratio Lower Upper

252 100

254 64.5 50.8 76.2

126 10.5 8.9 13.3





#83

Chrysene

Concen: 49.571 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD

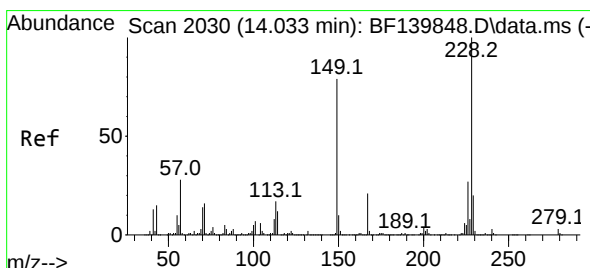
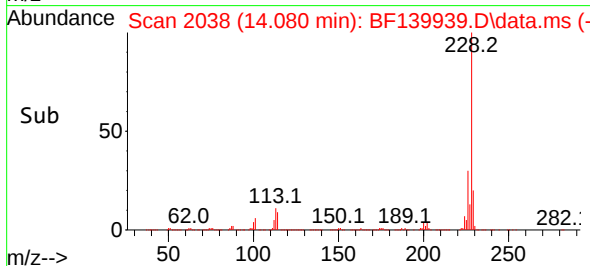
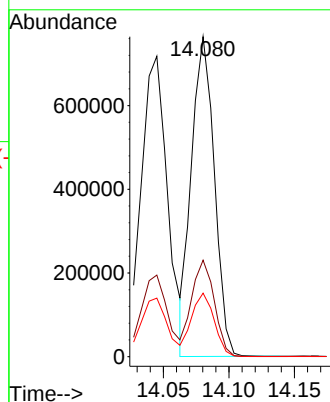
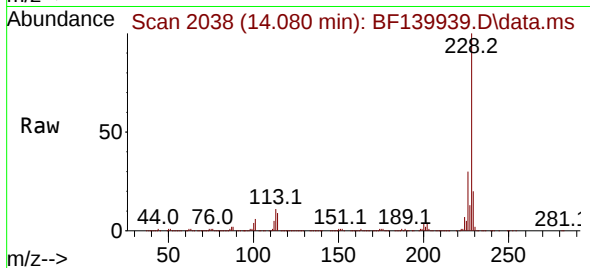
Tgt Ion:228 Resp: 927872

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 66.193 ng

RT: 14.033 min Scan# 2030

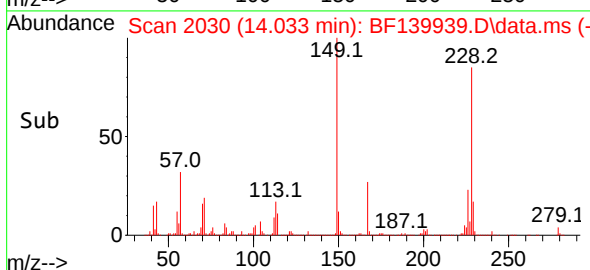
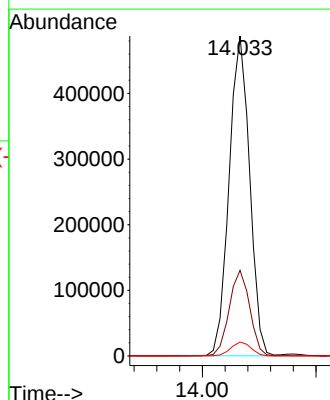
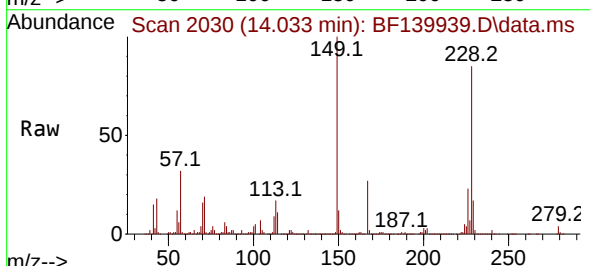
Delta R.T. 0.000 min

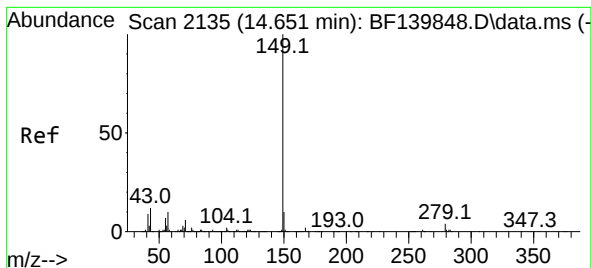
Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

Tgt Ion:149 Resp: 611199

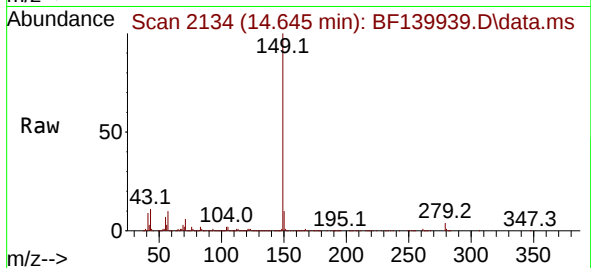
Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	4.4	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 69.199 ng
RT: 14.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

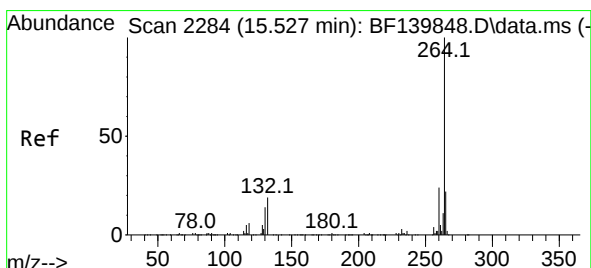
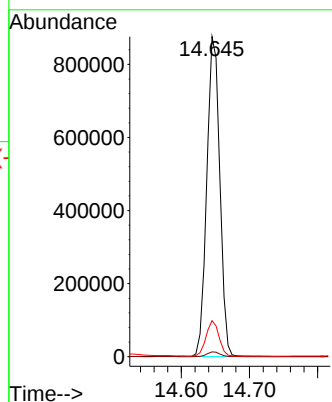
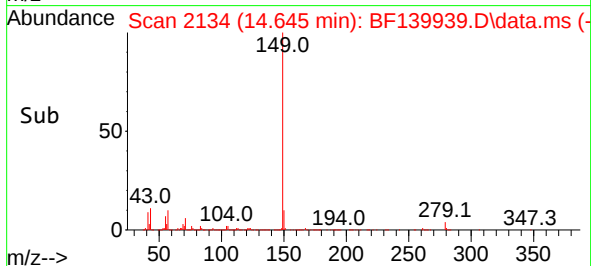
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:149 Resp: 116219
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.8 9.8 14.6

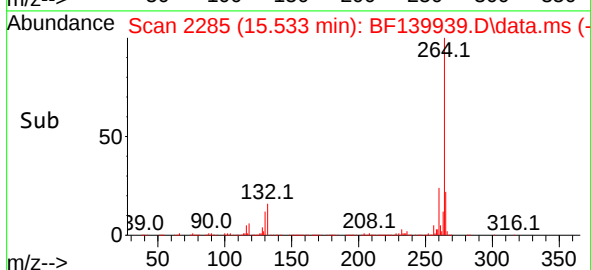
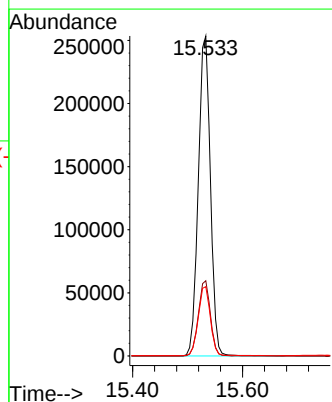
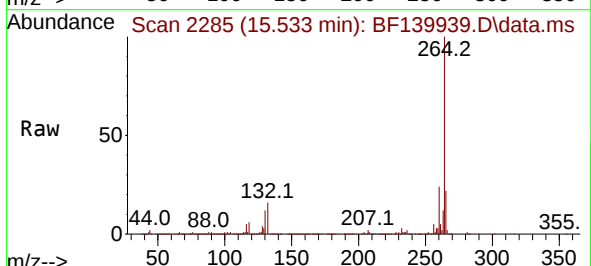
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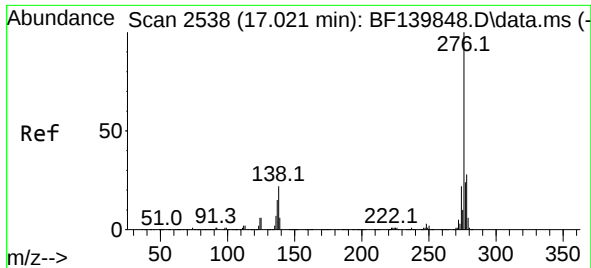
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

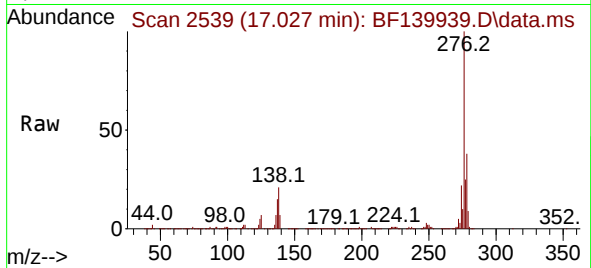
Tgt Ion:264 Resp: 387261
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.7 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.096 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

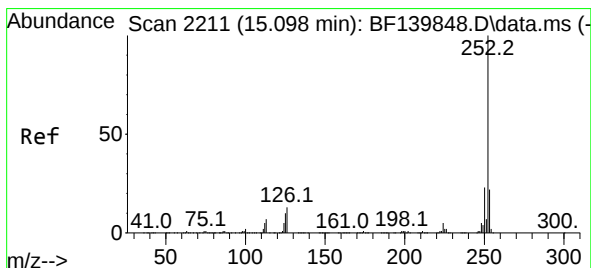
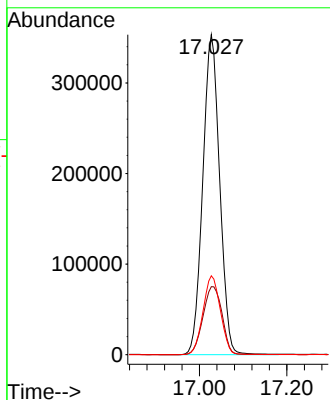
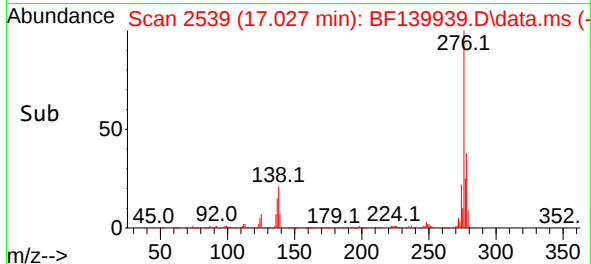
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



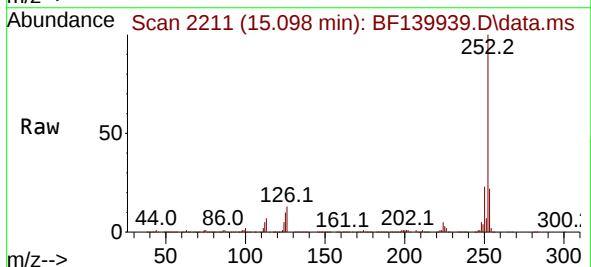
Tgt Ion:276 Resp: 949100
Ion Ratio Lower Upper
276 100
138 24.1 20.4 30.6
277 25.4 20.2 30.4

Manual Integrations
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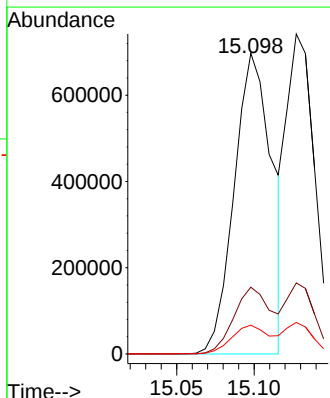
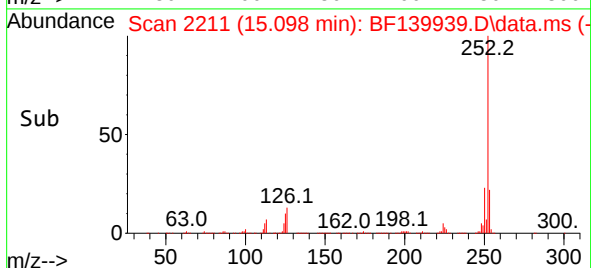
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

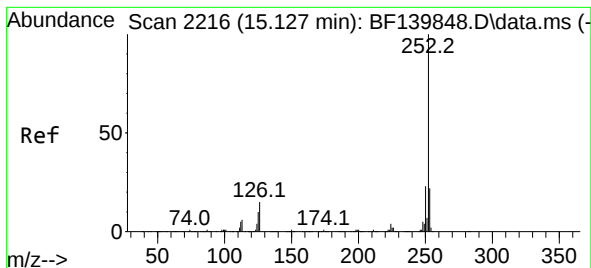


#88
Benzo(b)fluoranthene
Concen: 50.062 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22



Tgt Ion:252 Resp: 1180985
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 9.6 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 45.845 ng

RT: 15.127 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139939.D

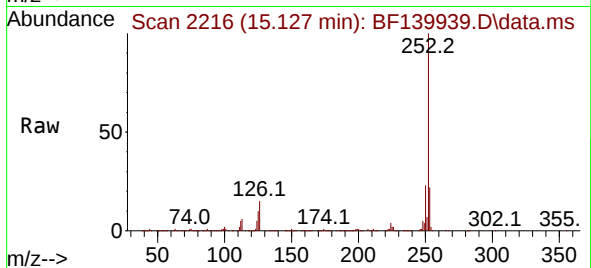
Acq: 22 Oct 2024 20:22

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMSD



Tgt Ion:252 Resp: 93270

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

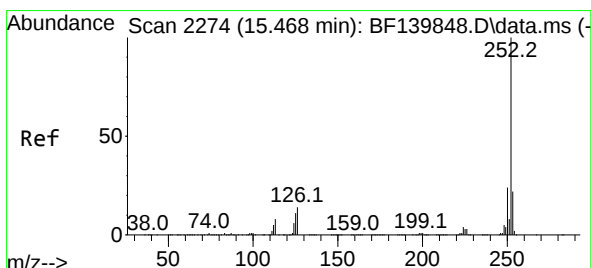
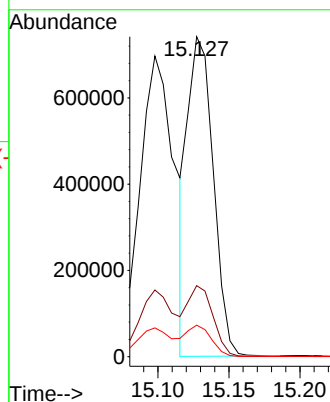
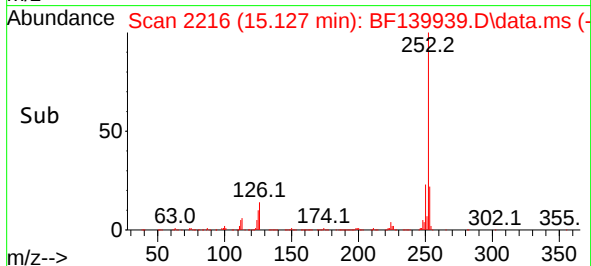
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#90

Benzo(a)pyrene

Concen: 52.091 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139939.D

Acq: 22 Oct 2024 20:22

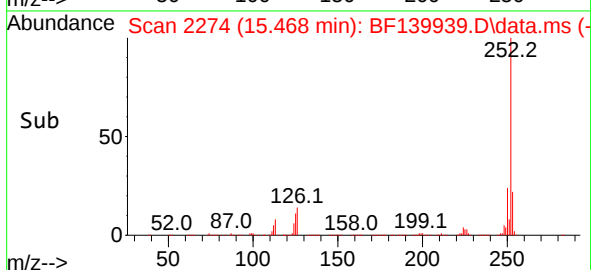
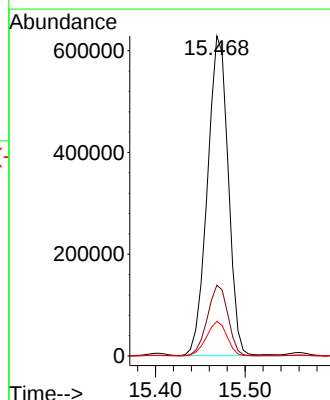
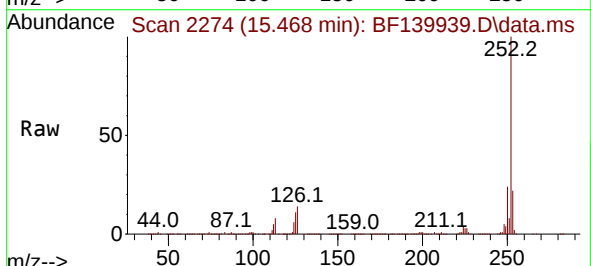
Tgt Ion:252 Resp: 1011128

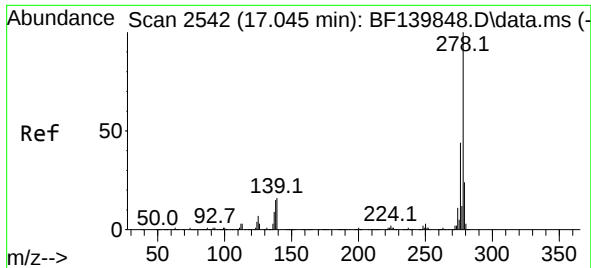
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

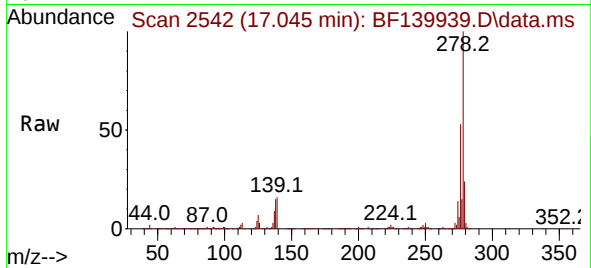
125 10.8 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 38.217 ng
RT: 17.045 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

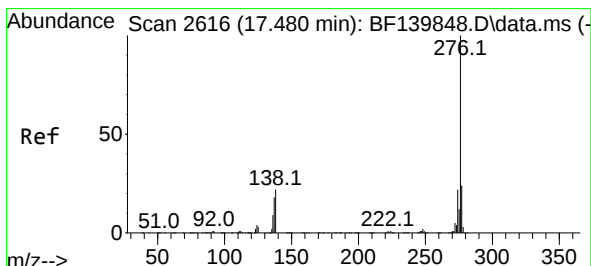
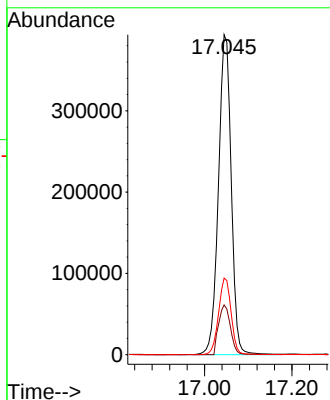
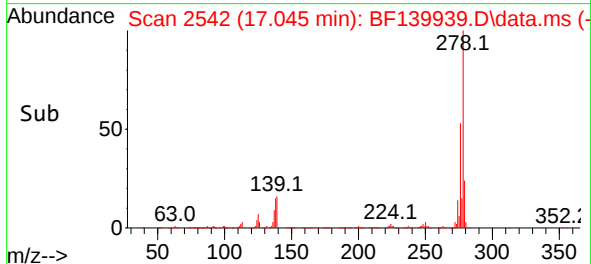
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMSD



Tgt Ion:278 Resp: 794280
Ion Ratio Lower Upper
278 100
139 15.5 13.1 19.7
279 24.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#92
Benzo(g,h,i)perylene
Concen: 31.904 ng
RT: 17.480 min Scan# 2616
Delta R.T. 0.000 min
Lab File: BF139939.D
Acq: 22 Oct 2024 20:22

Tgt Ion:276 Resp: 662325
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.6
138 20.7 17.4 26.0

