

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139940.D
 Acq On : 22 Oct 2024 20:51
 Operator : RC/JU
 Sample : P4403-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMS

Quant Time: Oct 23 01:13:17 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	6.893	152	144166	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	550141	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	283510	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	418504	20.000	ng	0.00
76) Chrysene-d12	14.051	240	292588	20.000	ng	0.00
86) Perylene-d12	15.533	264	350468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1058750	114.969	ng	0.01
7) Phenol-d6	6.510	99	1347645	112.990	ng	0.00
23) Nitrobenzene-d5	7.451	82	866274	87.272	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	287926	108.575	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1497523	87.297	ng	0.00
79) Terphenyl-d14	12.998	244	1196387	66.629	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	191830	44.677	ng	95
3) Pyridine	3.505	79	486787	45.739	ng	97
4) n-Nitrosodimethylamine	3.452	42	267251	46.738	ng	97
6) Aniline	6.551	93	255571	22.992	ng	98
8) 2-Chlorophenol	6.675	128	486702	51.698	ng	97
9) Benzaldehyde	6.440	77	124503	18.556	ng	96
10) Phenol	6.528	94	604342m	49.148	ng	
11) bis(2-Chloroethyl)ether	6.628	93	474935	49.971	ng	98
12) 1,3-Dichlorobenzene	6.834	146	524224	48.508	ng	99
13) 1,4-Dichlorobenzene	6.910	146	532516	49.321	ng	98
14) 1,2-Dichlorobenzene	7.063	146	508290	50.442	ng	98
15) Benzyl Alcohol	7.028	79	443640	50.707	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	792559	48.906	ng	98
17) 2-Methylphenol	7.134	107	399977	49.825	ng	100
18) Hexachloroethane	7.404	117	188807	49.039	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	345486	47.760	ng	97
20) 3+4-Methylphenols	7.287	107	491181	47.836	ng	95
22) Acetophenone	7.298	105	652978	48.459	ng	98
24) Nitrobenzene	7.469	77	528017	48.518	ng	99
25) Isophorone	7.710	82	933007	49.523	ng	99
26) 2-Nitrophenol	7.787	139	240721	58.632	ng	96
27) 2,4-Dimethylphenol	7.816	122	381827	55.774	ng	98
28) bis(2-Chloroethoxy)met...	7.922	93	572325	50.141	ng	99
29) 2,4-Dichlorophenol	8.022	162	390116	50.030	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	418101	48.457	ng	99
31) Naphthalene	8.192	128	1391038	49.027	ng	100
32) Benzoic acid	7.875	122	76129	12.750	ng	94
33) 4-Chloroaniline	8.240	127	103737	10.722	ng	97
34) Hexachlorobutadiene	8.310	225	267930	49.422	ng	100
35) Caprolactam	8.604	113	102130	41.191	ng	91
36) 4-Chloro-3-methylphenol	8.716	107	411690	47.681	ng	97
37) 2-Methylnaphthalene	8.887	142	855906	49.256	ng	100
38) 1-Methylnaphthalene	8.987	142	800945	46.980	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	403605	52.768	ng	99
41) Hexachlorocyclopentadiene	9.039	237	427715	160.713	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	276055	50.978	ng	100

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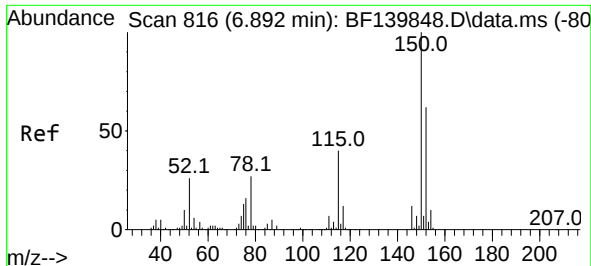
Quant Time: Oct 23 01:13:17 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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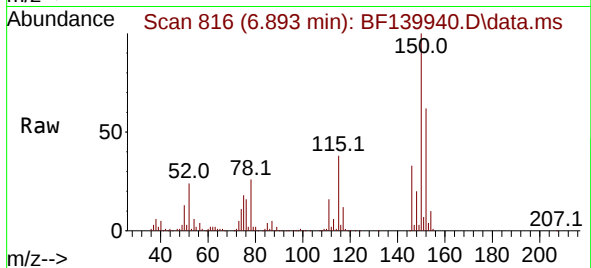
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	269358	48.212	ng	99
46) 1,1'-Biphenyl	9.351	154	1012675	51.310	ng	99
47) 2-Chloronaphthalene	9.375	162	799475	50.294	ng	100
48) 2-Nitroaniline	9.463	65	263391	54.177	ng	97
49) Acenaphthylene	9.792	152	1224760	53.295	ng	99
50) Dimethylphthalate	9.645	163	908569	51.450	ng	99
51) 2,6-Dinitrotoluene	9.710	165	197265	51.592	ng	94
52) Acenaphthene	9.963	154	733824	49.362	ng	99
53) 3-Nitroaniline	9.875	138	107586	27.285	ng	96
54) 2,4-Dinitrophenol	9.975	184	33614	25.961	ng	# 1
55) Dibenzofuran	10.134	168	1067705	50.058	ng	98
56) 4-Nitrophenol	10.028	139	262237	86.444	ng	97
57) 2,4-Dinitrotoluene	10.110	165	244773	52.057	ng	98
58) Fluorene	10.475	166	774417	47.669	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	189721	43.317	ng	98
60) Diethylphthalate	10.345	149	842044	48.564	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	403253	49.152	ng	99
62) 4-Nitroaniline	10.486	138	163842	43.996	ng	95
63) Azobenzene	10.628	77	914814	49.767	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	42838	25.095	ng	93
66) n-Nitrosodiphenylamine	10.586	169	710550	56.727	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	247378	57.378	ng	97
68) Hexachlorobenzene	11.022	284	265874	54.832	ng	98
69) Atrazine	11.110	200	213724	62.989	ng	99
70) Pentachlorophenol	11.216	266	196553	66.791	ng	99
71) Phenanthrene	11.439	178	1037397	52.478	ng	100
72) Anthracene	11.492	178	1030529	53.429	ng	100
73) Carbazole	11.639	167	857495	47.803	ng	99
74) Di-n-butylphthalate	11.975	149	1101914	53.170	ng	99
75) Fluoranthene	12.627	202	982708	49.174	ng	100
77) Benzidine	12.745	184	199080	41.379	ng	98
78) Pyrene	12.857	202	991076	38.697	ng	100
80) Butylbenzylphthalate	13.474	149	425522	55.419	ng	98
81) Benzo(a)anthracene	14.045	228	999850	52.495	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	128467	23.133	ng	98
83) Chrysene	14.080	228	919825	52.672	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	590904	68.593	ng	99
85) Di-n-octyl phthalate	14.645	149	1133729	72.355	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	930308	41.262	ng	98
88) Benzo(b)fluoranthene	15.098	252	1181879	55.360	ng	99
89) Benzo(k)fluoranthene	15.127	252	919343	49.932	ng	100
90) Benzo(a)pyrene	15.468	252	1002123	57.047	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	774735	41.190	ng	99
92) Benzo(g,h,i)perylene	17.480	276	646110	34.390	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

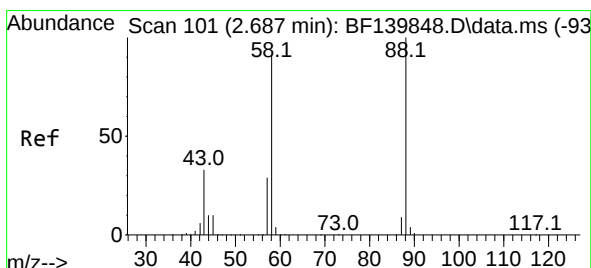
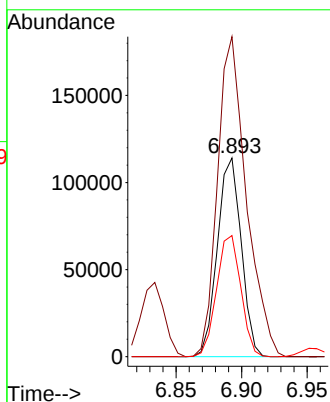
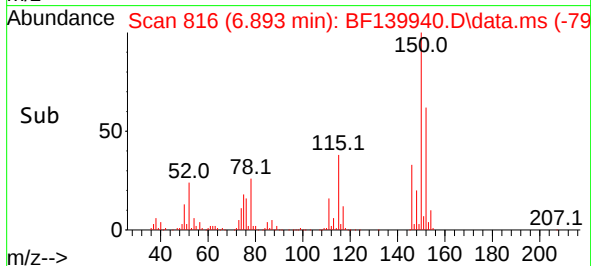
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



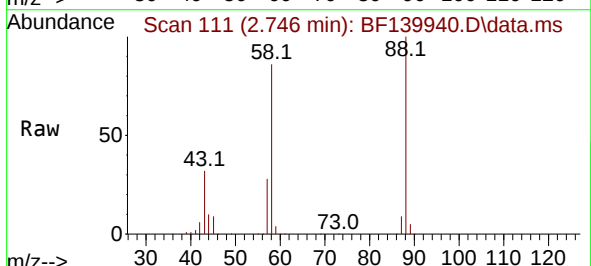
Tgt Ion:152 Resp: 144160
Ion Ratio Lower Upper
152 100
150 161.1 130.2 195.2
115 61.0 51.4 77.2

Manual Integrations
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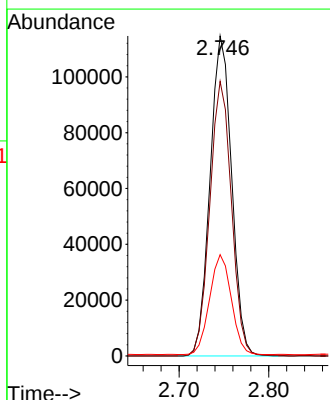
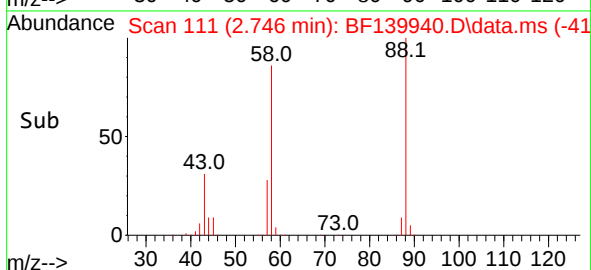
Reviewed By :Jagrut Upadhyay 10/23/2024
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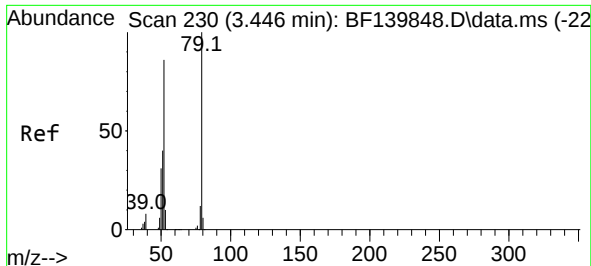


#2
1,4-Dioxane
Concen: 44.677 ng
RT: 2.746 min Scan# 111
Delta R.T. 0.059 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion: 88 Resp: 191830
Ion Ratio Lower Upper
88 100
58 86.0 73.3 109.9
43 31.4 27.1 40.7





#3

Pyridine

Concen: 45.739 ng

RT: 3.505 min Scan# 24

Delta R.T. 0.059 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

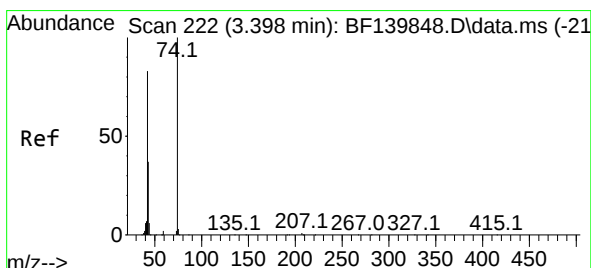
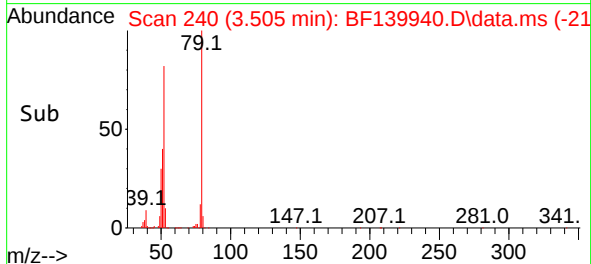
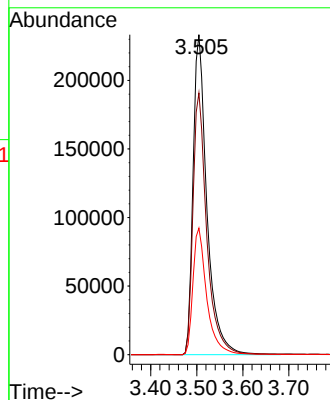
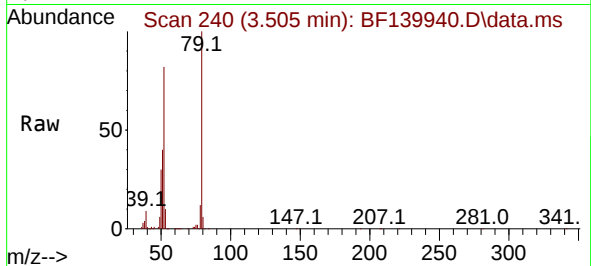
Tgt Ion: 79 Resp: 48678

Ion	Ratio	Lower	Upper
79	100		
52	81.8	68.5	102.7
51	39.6	32.3	48.5

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 46.738 ng

RT: 3.452 min Scan# 231

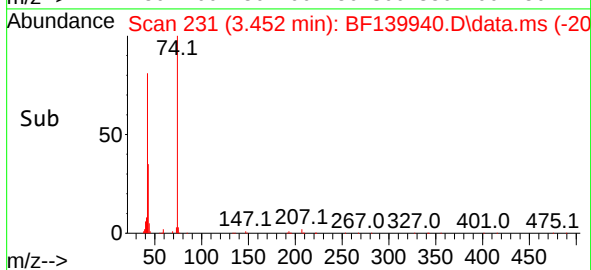
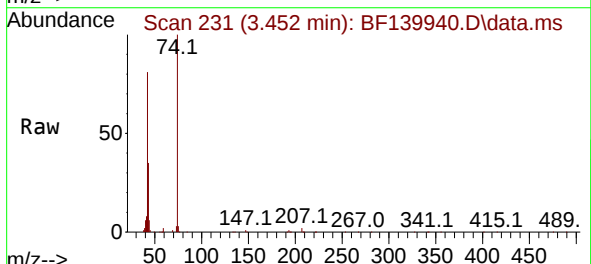
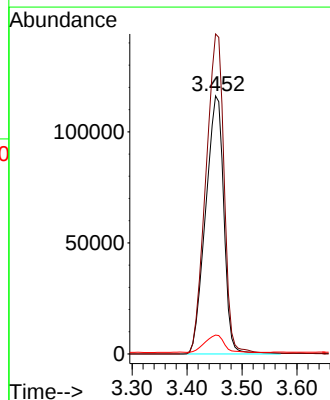
Delta R.T. 0.053 min

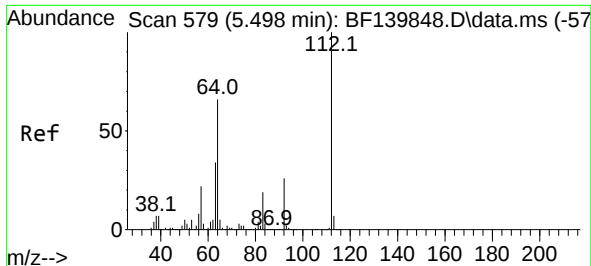
Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Tgt Ion: 42 Resp: 267251

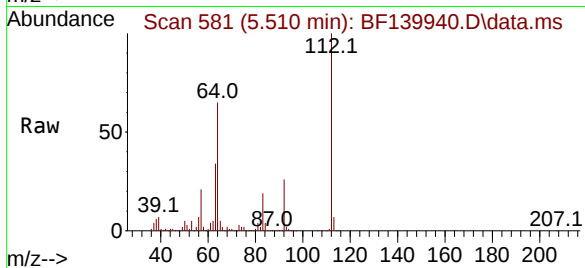
Ion	Ratio	Lower	Upper
42	100		
74	124.0	96.2	144.4
44	7.3	6.2	9.2





#5
2-Fluorophenol
Concen: 114.969 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

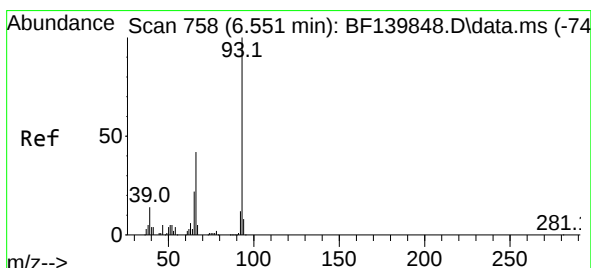
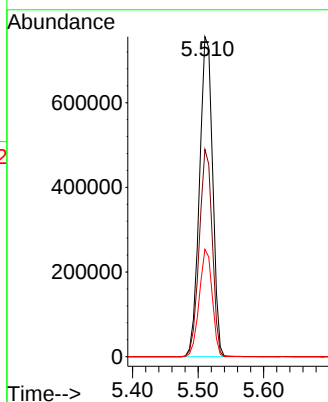
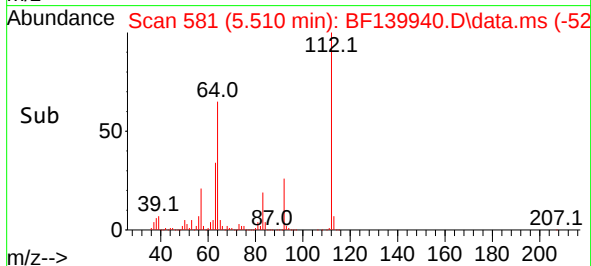
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 112 Resp: 1058750
Ion Ratio Lower Upper
112 100
64 64.7 53.0 79.6
63 33.5 27.0 40.4

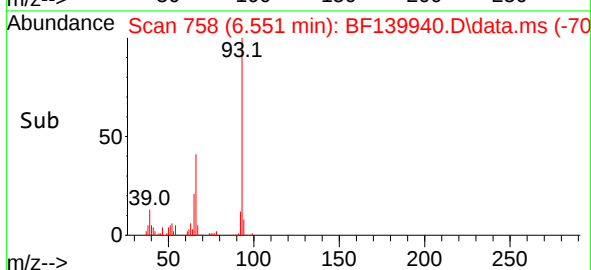
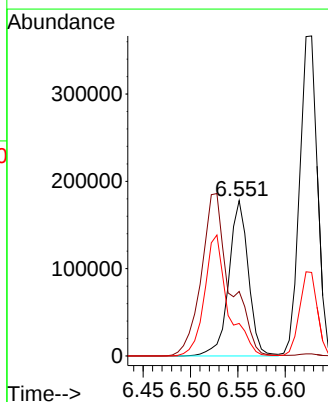
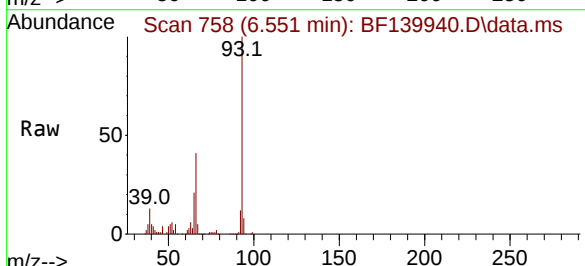
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#6
Aniline
Concen: 22.992 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

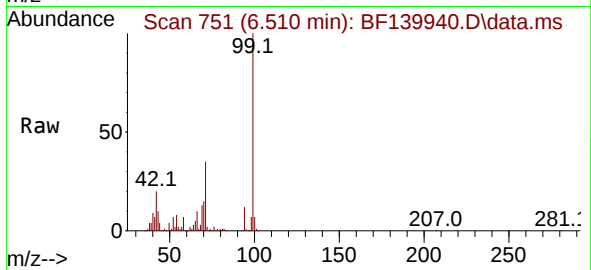
Tgt Ion: 93 Resp: 255571
Ion Ratio Lower Upper
93 100
66 41.4 34.0 51.0
65 20.9 17.4 26.0





#7
Phenol-d6
Concen: 112.990 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

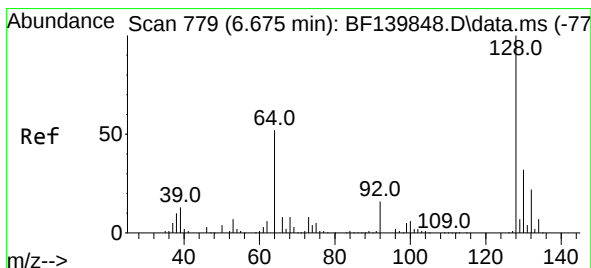
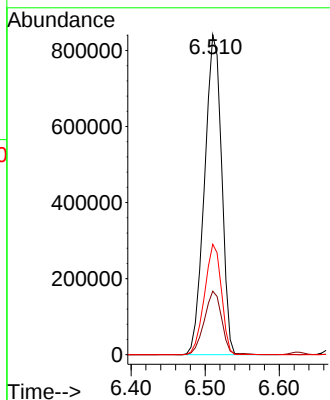
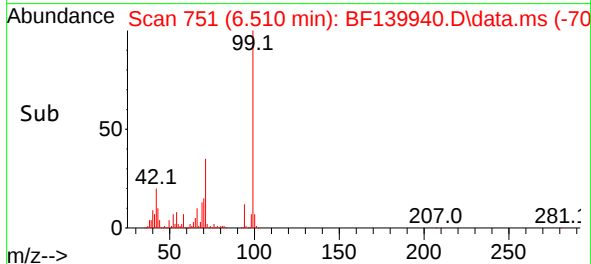
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion: 99 Resp: 1347649
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 34.5 27.7 41.5

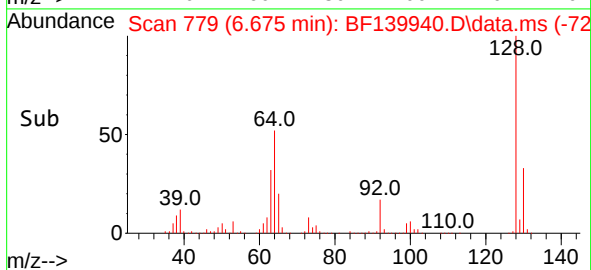
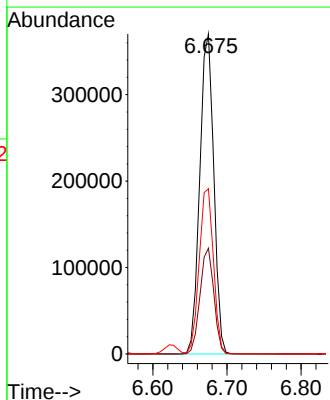
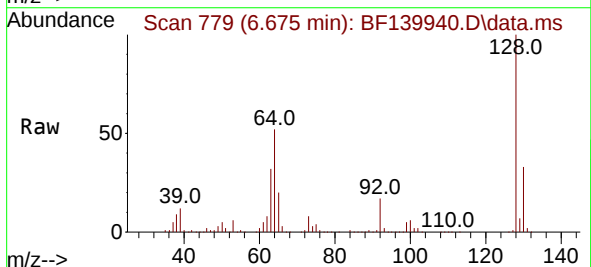
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#8
2-Chlorophenol
Concen: 51.698 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

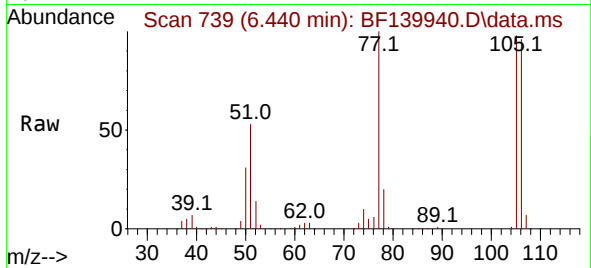
Tgt Ion:128 Resp: 486702
Ion Ratio Lower Upper
128 100
130 33.0 12.3 52.3
64 51.7 34.6 74.6





#9
Benzaldehyde
Concen: 18.556 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.001 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

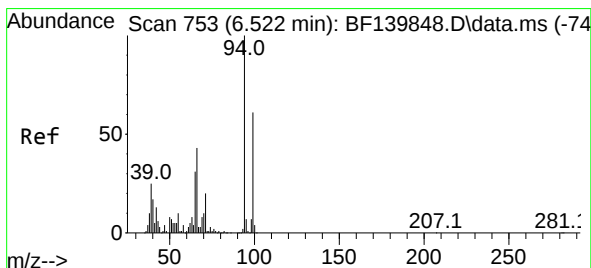
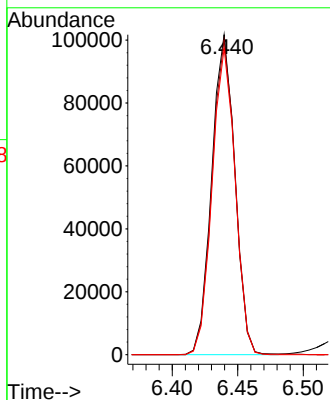
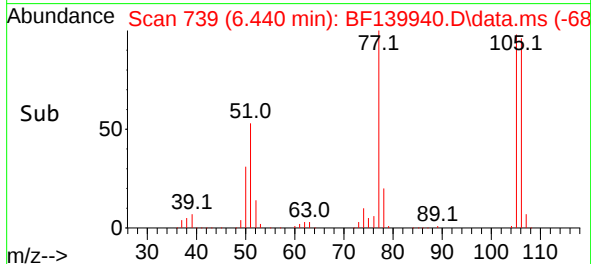
Instrument :
BNA_F
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Hawthorne TP SoilMS



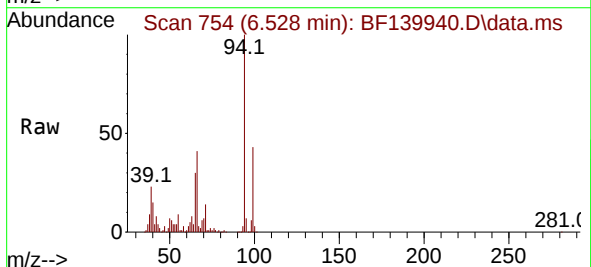
Tgt Ion: 77 Resp: 12450
Ion Ratio Lower Upper
77 100
105 98.3 75.5 115.5
106 95.8 71.7 111.7

Manual Integrations
APPROVED

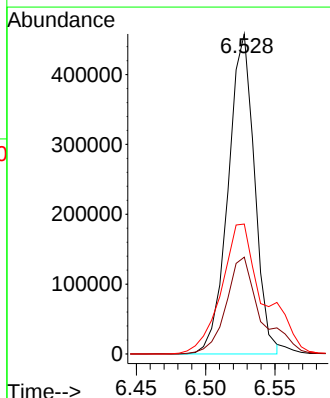
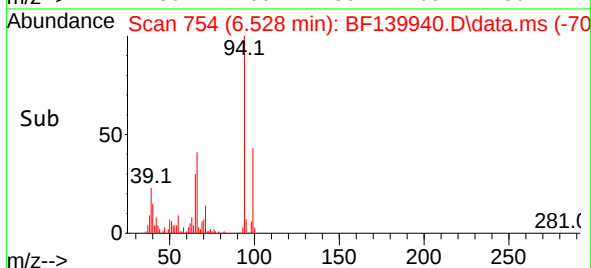
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#10
Phenol
Concen: 49.148 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



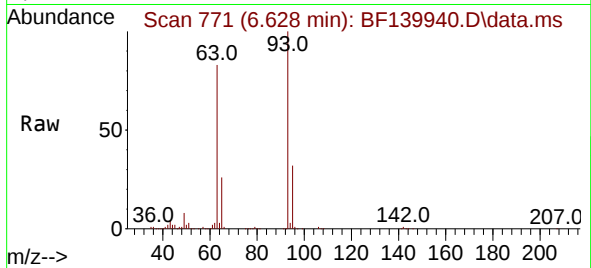
Tgt Ion: 94 Resp: 604342
Ion Ratio Lower Upper
94 100
65 30.3 11.1 51.1
66 40.6 22.7 62.7





#11
bis(2-Chloroethyl)ether
Concen: 49.971 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

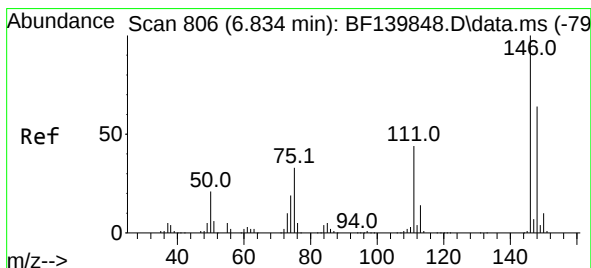
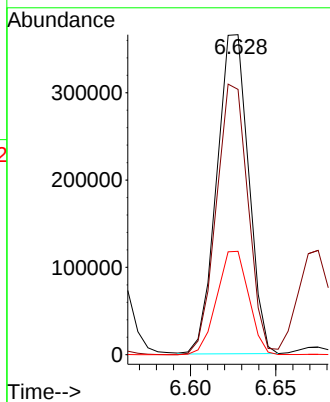
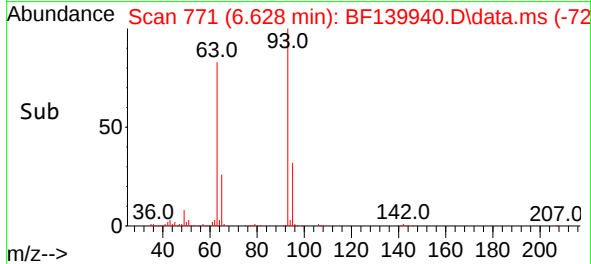
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion: 93 Resp: 474935
Ion Ratio Lower Upper
93 100
63 82.9 65.0 105.0
95 32.3 12.4 52.4

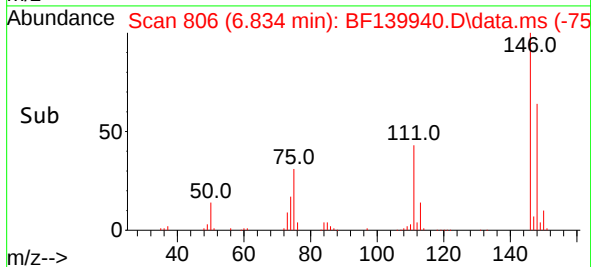
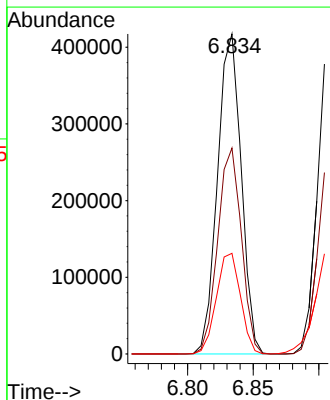
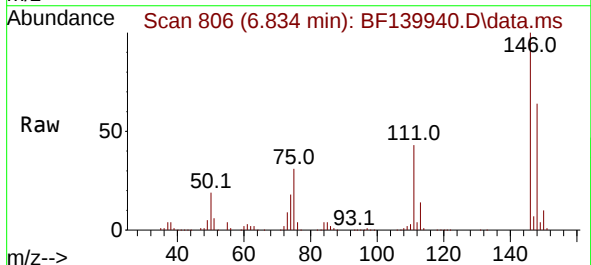
Manual Integrations
APPROVED

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



#12
1,3-Dichlorobenzene
Concen: 48.508 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

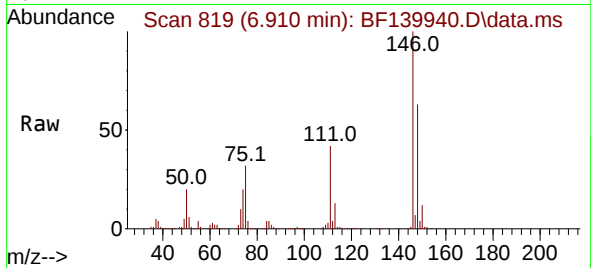
Tgt Ion:146 Resp: 524224
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.4
75 31.5 26.4 39.6





#13
1,4-Dichlorobenzene
Concen: 49.321 ng
RT: 6.910 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

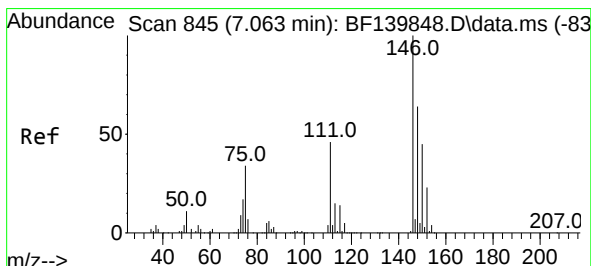
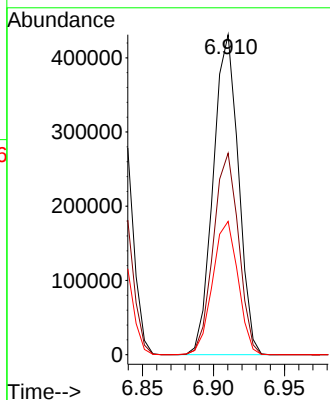
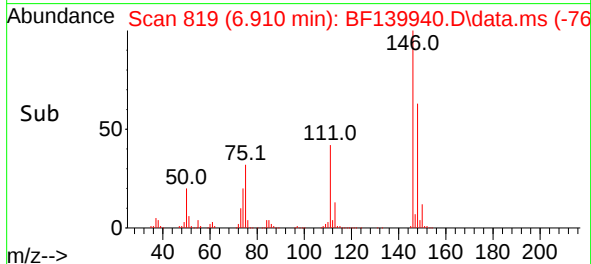
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



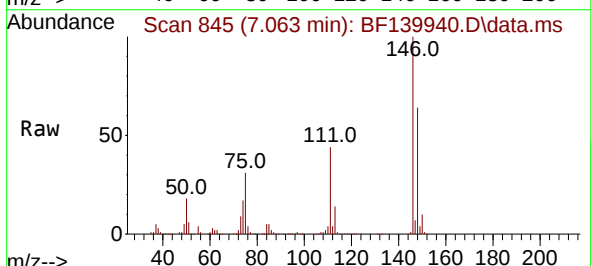
Tgt Ion:146 Resp: 532510
Ion Ratio Lower Upper
146 100
148 62.9 51.8 77.8
111 41.7 34.6 51.8

Manual Integrations
APPROVED

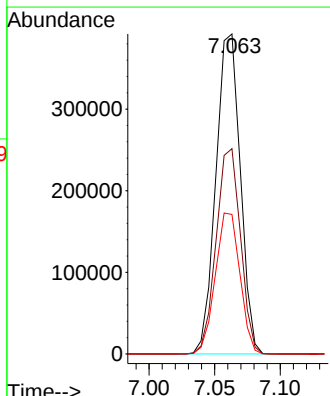
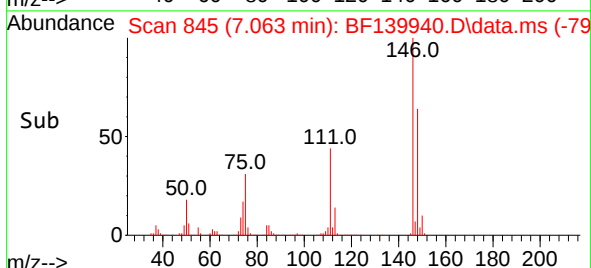
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#14
1,2-Dichlorobenzene
Concen: 50.442 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



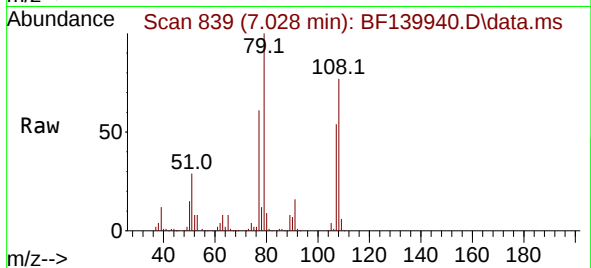
Tgt Ion:146 Resp: 508290
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 43.6 36.7 55.1





#15
Benzyl Alcohol
Concen: 50.707 ng
RT: 7.028 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

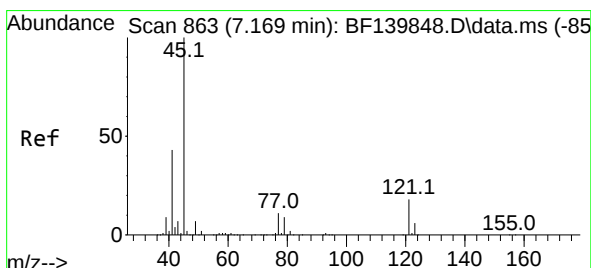
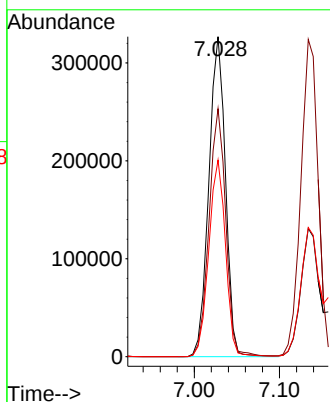
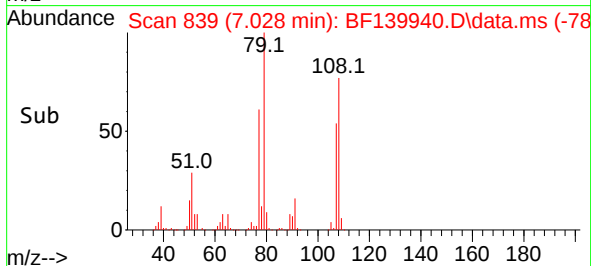
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



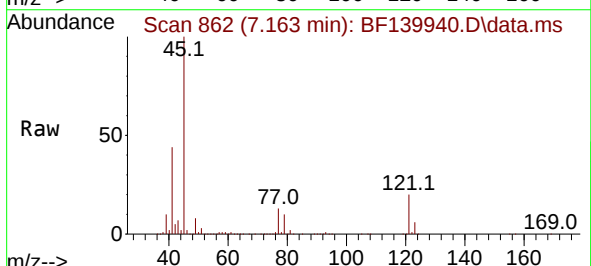
Tgt Ion: 79 Resp: 443640
Ion Ratio Lower Upper
79 100
108 77.5 61.4 92.0
77 61.4 49.9 74.9

Manual Integrations
APPROVED

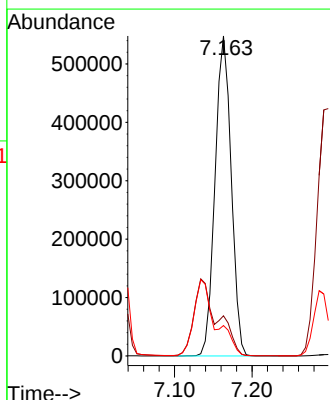
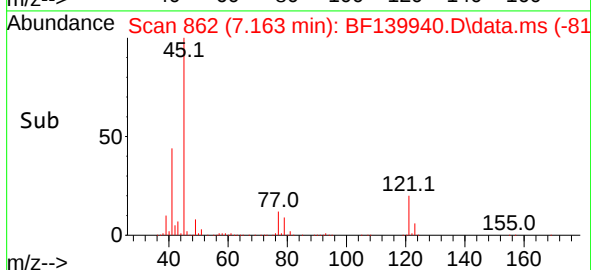
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

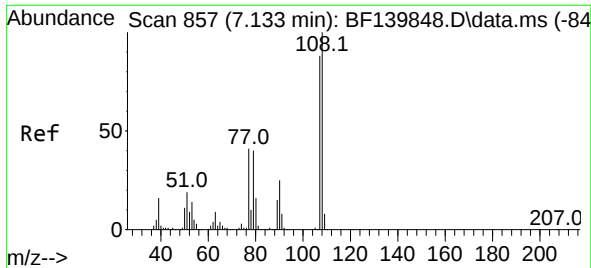


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.906 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



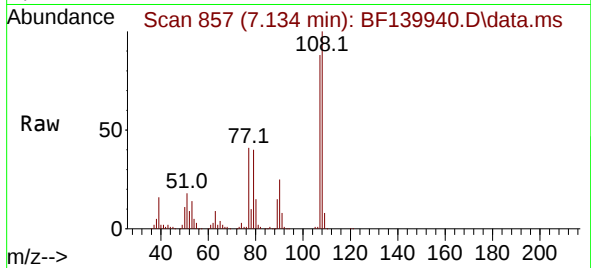
Tgt Ion: 45 Resp: 792559
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.5
79 9.5 0.0 29.1





#17
2-Methylphenol
Concen: 49.825 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

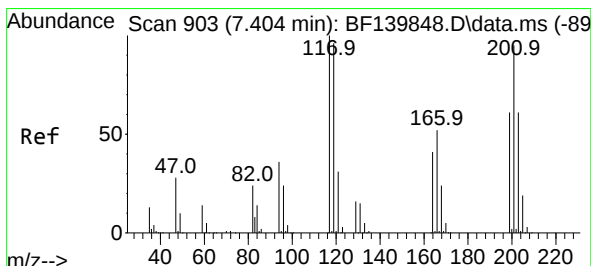
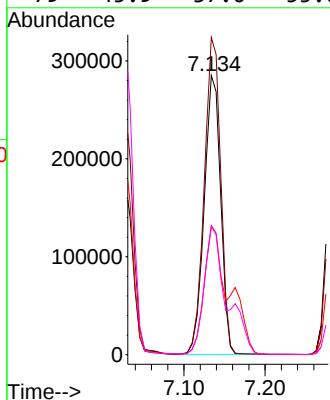
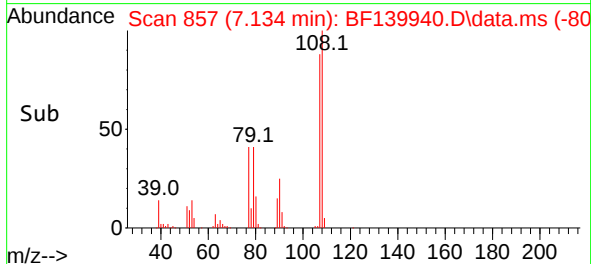
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:	107	Resp:	39997
Ion Ratio	Lower	Upper	
107	100		
108	113.6	91.3	136.9
77	46.3	37.1	55.7
79	45.9	37.0	55.6

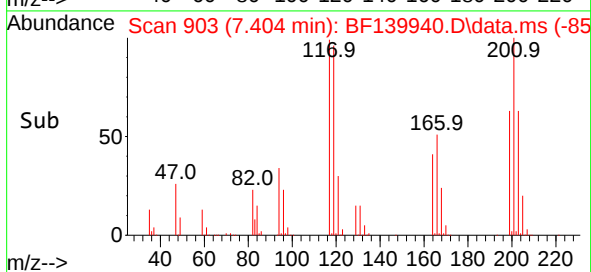
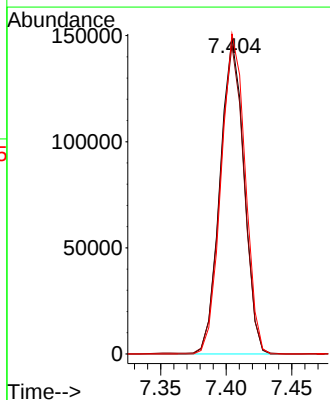
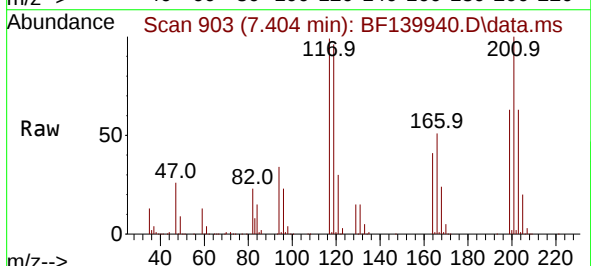
Manual Integrations
APPROVED

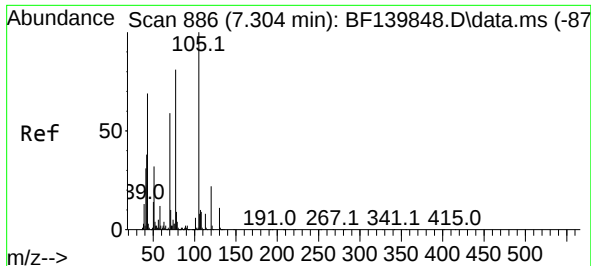
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#18
Hexachloroethane
Concen: 49.039 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

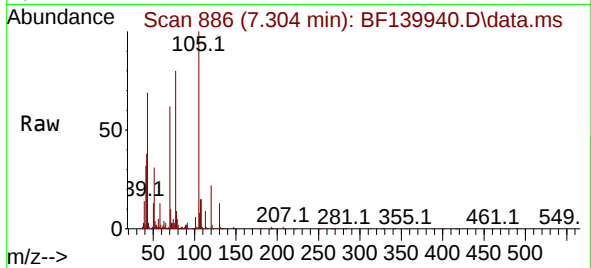
Tgt Ion:	117	Resp:	188807
Ion Ratio	Lower	Upper	
117	100		
119	97.6	77.0	115.4
201	101.2	76.2	114.4





#19
n-Nitroso-di-n-propylamine
Concen: 47.760 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

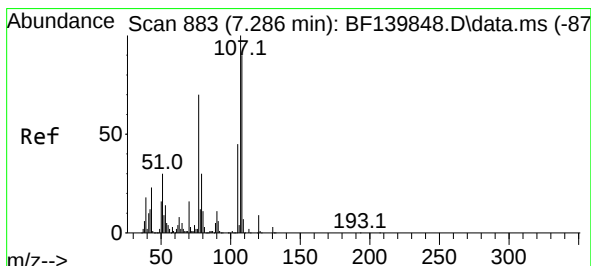
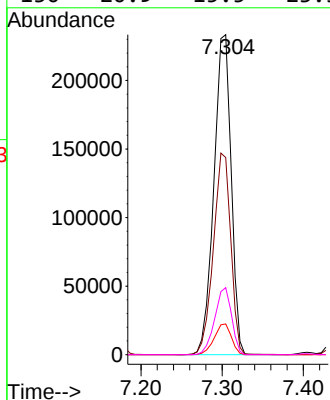
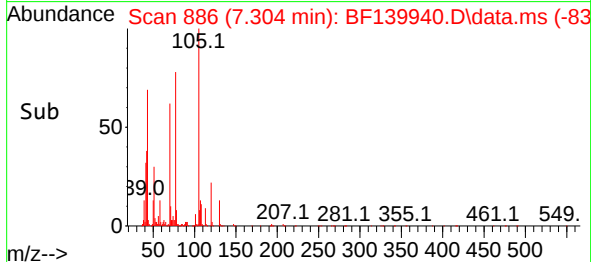
Instrument :
BNA_F
Client Sample Id :
Hawthorne TP SoilMS



Tgt Ion: 70 Resp: 345486
Ion Ratio Lower Upper
70 100
42 61.6 51.5 77.3
101 9.6 7.5 11.3
130 20.9 15.5 23.3

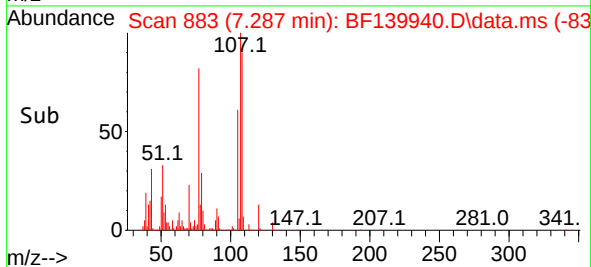
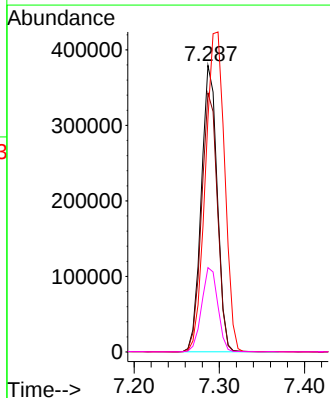
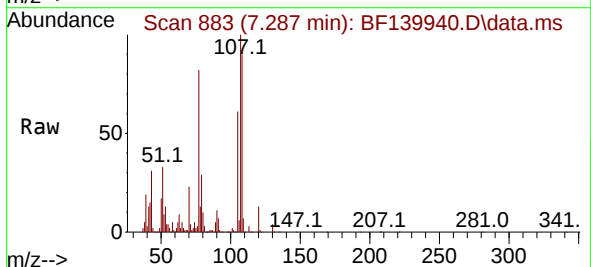
Manual Integrations
APPROVED

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



#20
3+4-Methylphenols
Concen: 47.836 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

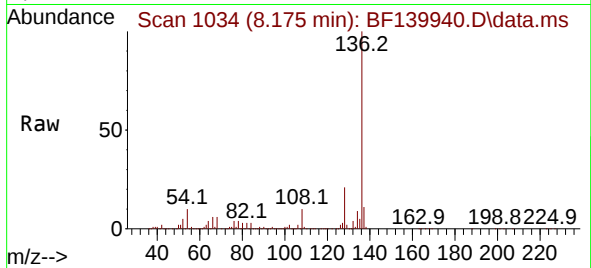
Tgt Ion:107 Resp: 491181
Ion Ratio Lower Upper
107 100
108 90.3 69.8 109.8
77 81.6 50.5 90.5
79 29.4 10.2 50.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

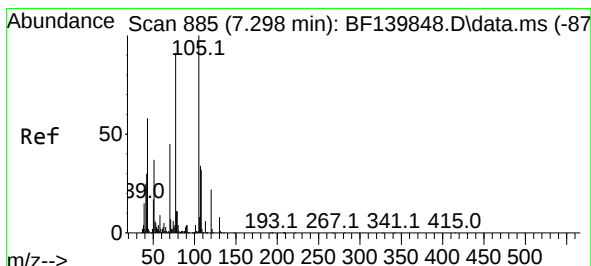
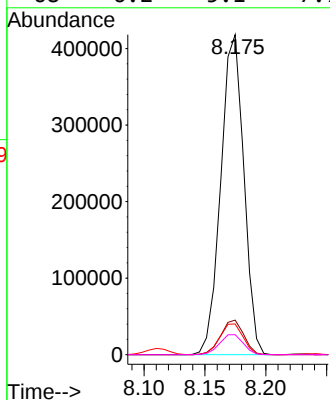
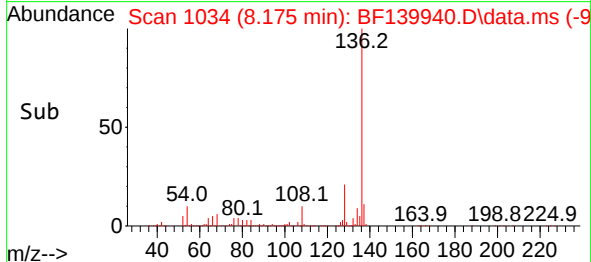
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:136 Resp: 55014
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.6 8.4 12.6
68 6.2 5.1 7.7

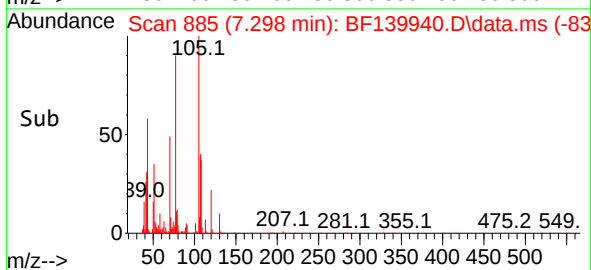
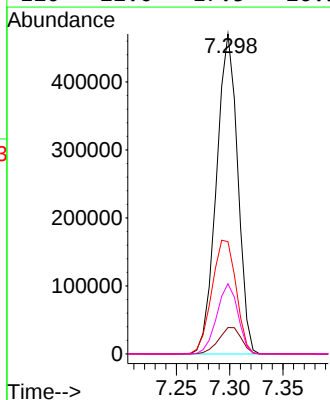
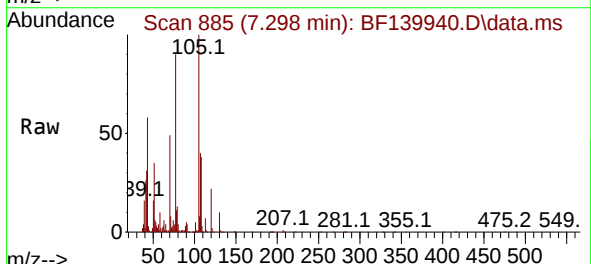
Manual Integrations
APPROVED

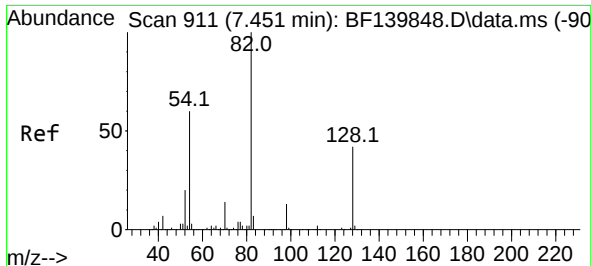
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#22
Acetophenone
Concen: 48.459 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

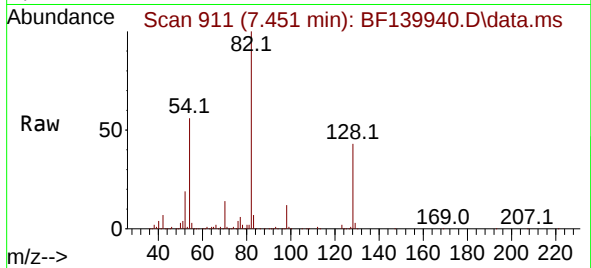
Tgt Ion:105 Resp: 652978
Ion Ratio Lower Upper
105 100
71 8.2 5.9 8.9
51 35.1 29.4 44.2
120 22.0 17.5 26.3





#23
Nitrobenzene-d5
Concen: 87.272 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

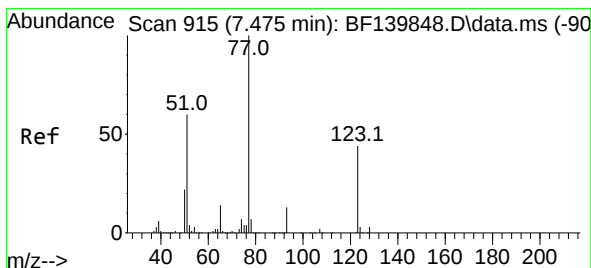
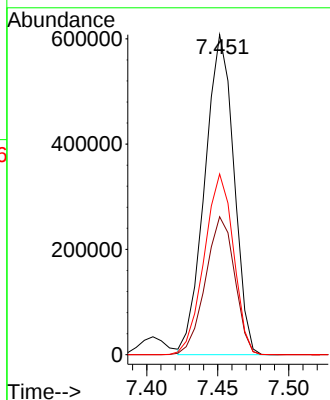
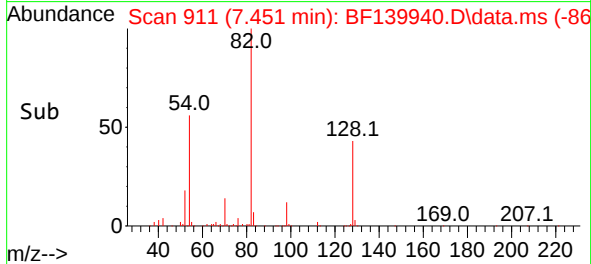
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



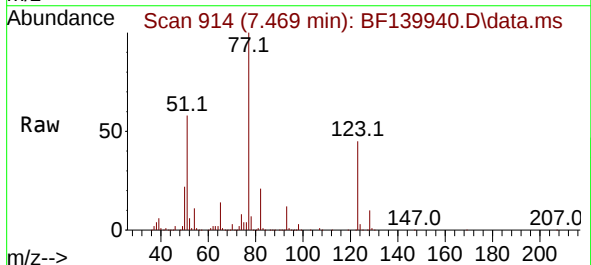
Tgt Ion: 82 Resp: 866274
Ion Ratio Lower Upper
82 100
128 43.1 33.4 50.0
54 56.5 47.8 71.8

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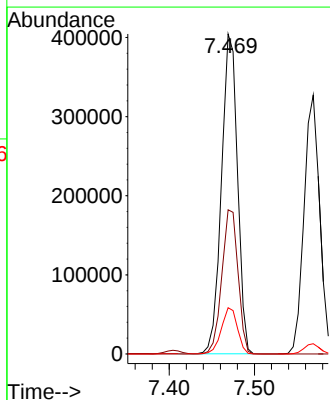
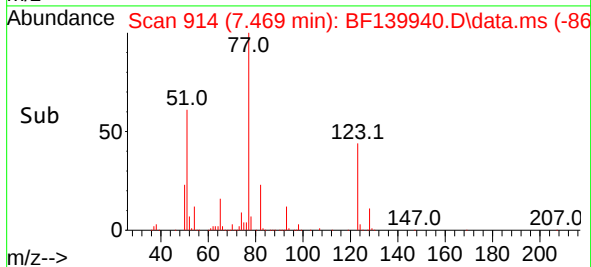
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#24
Nitrobenzene
Concen: 48.518 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



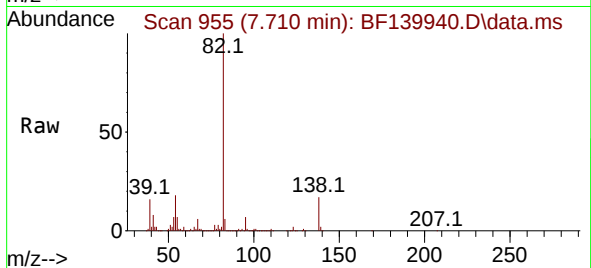
Tgt Ion: 77 Resp: 528017
Ion Ratio Lower Upper
77 100
123 45.1 35.7 53.5
65 14.5 11.5 17.3





#25
Isophorone
Concen: 49.523 ng
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

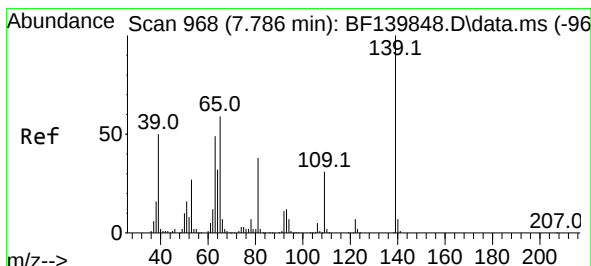
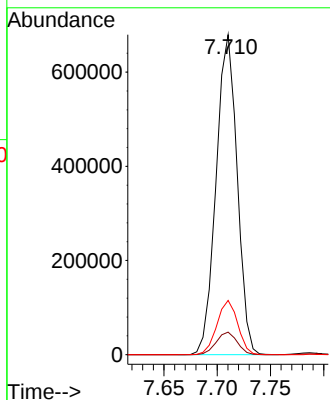
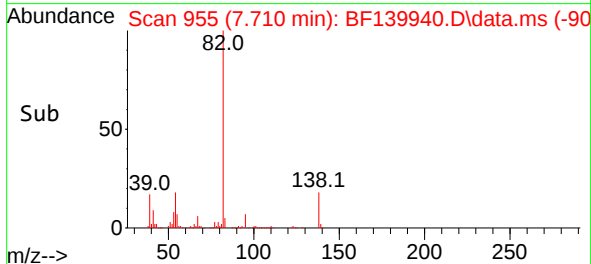
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



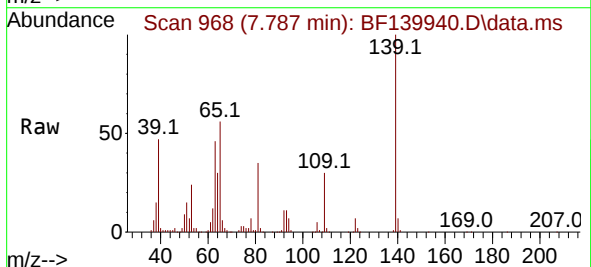
Tgt Ion: 82 Resp: 93300
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.0 13.2 19.8

Manual Integrations
APPROVED

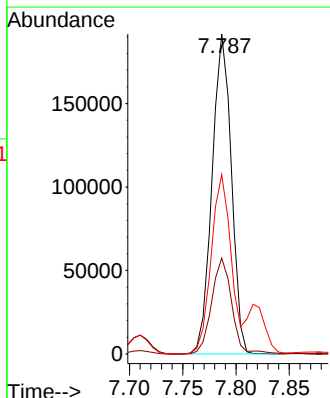
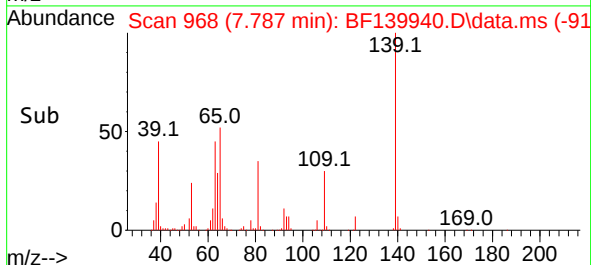
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#26
2-Nitrophenol
Concen: 58.632 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



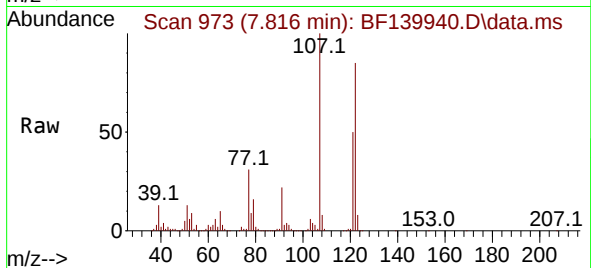
Tgt Ion:139 Resp: 240721
Ion Ratio Lower Upper
139 100
109 29.9 25.1 37.7
65 56.0 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 55.774 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

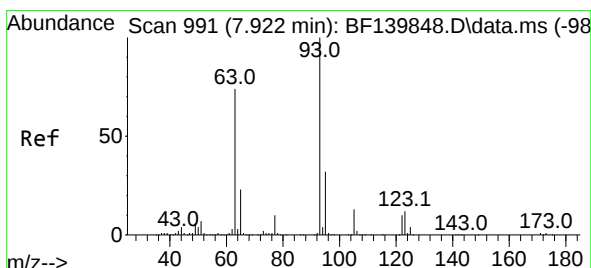
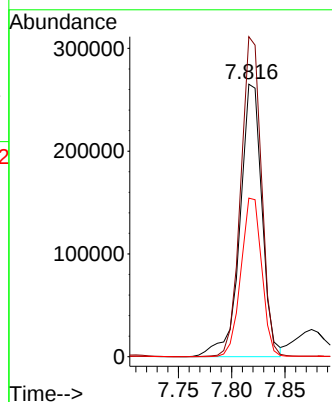
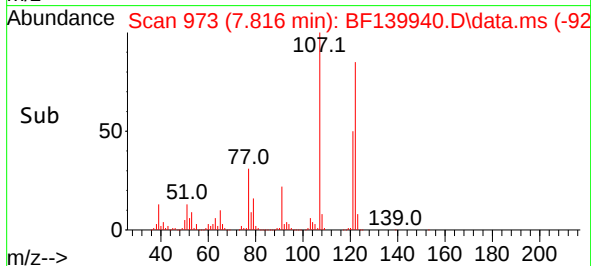
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:122 Resp: 38182
Ion Ratio Lower Upper
122 100
107 117.4 91.9 137.9
121 58.2 46.2 69.4

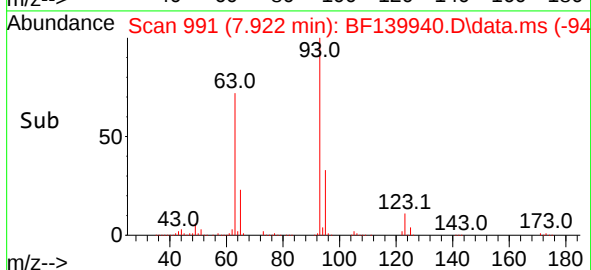
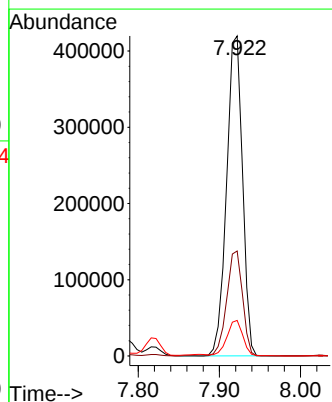
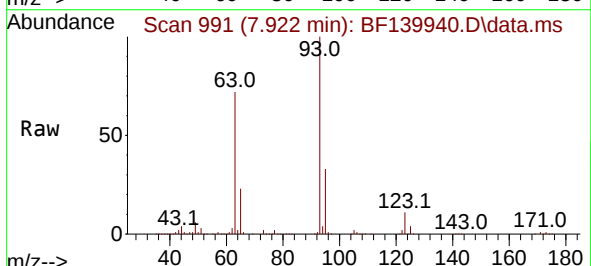
Manual Integrations
APPROVED

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



#28
bis(2-Chloroethoxy)methane
Concen: 50.141 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Tgt Ion: 93 Resp: 572325
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 11.1 9.8 14.8





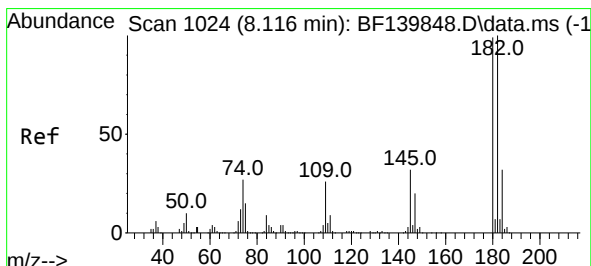
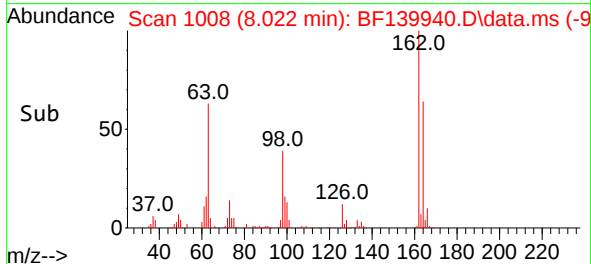
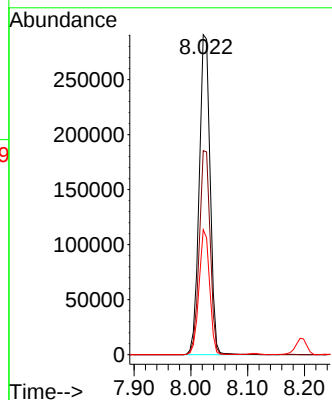
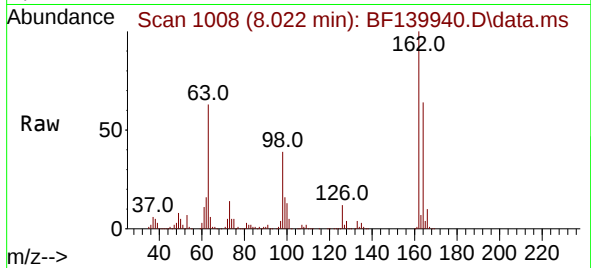
#29
2,4-Dichlorophenol
Concen: 50.030 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS

Tgt Ion:162 Resp: 390110
Ion Ratio Lower Upper
162 100
164 63.8 43.9 83.9
98 39.1 19.9 59.9

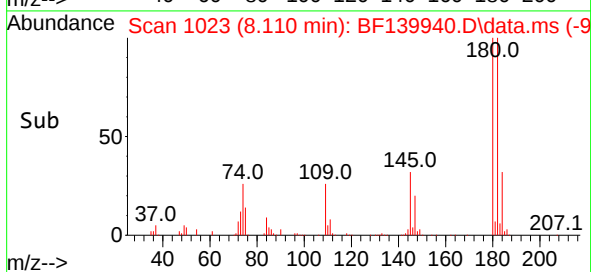
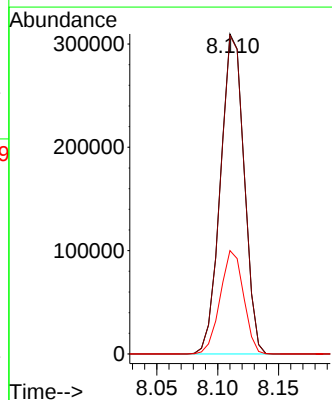
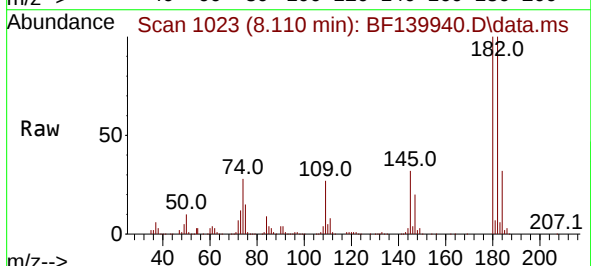
Manual Integrations
APPROVED

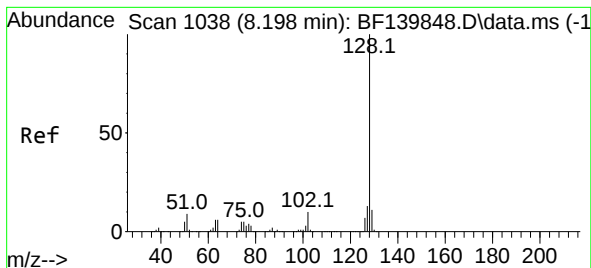
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#30
1,2,4-Trichlorobenzene
Concen: 48.457 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

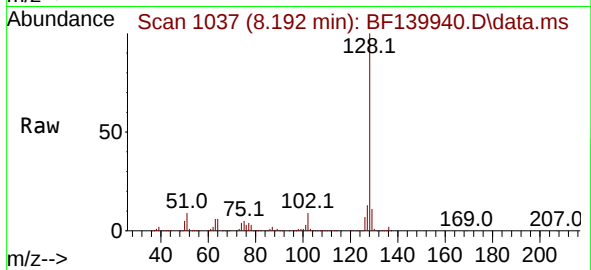
Tgt Ion:180 Resp: 418101
Ion Ratio Lower Upper
180 100
182 99.5 80.5 120.7
145 32.3 25.4 38.0





#31
Naphthalene
Concen: 49.027 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

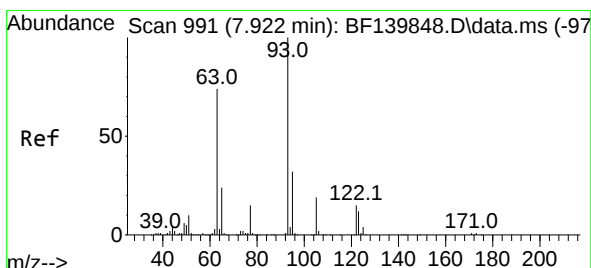
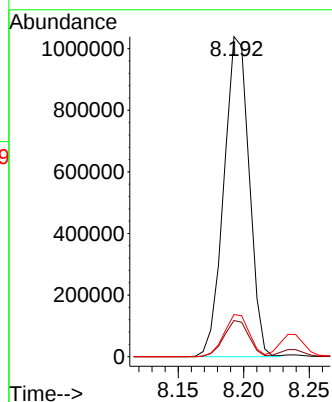
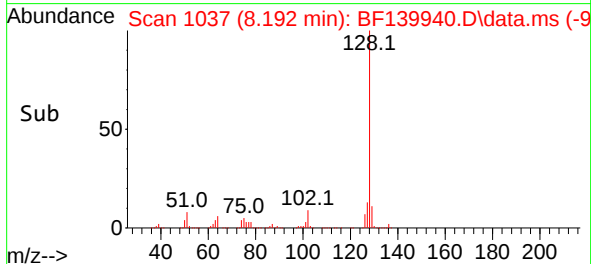
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:128 Resp: 1391038
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.2 10.6 16.0

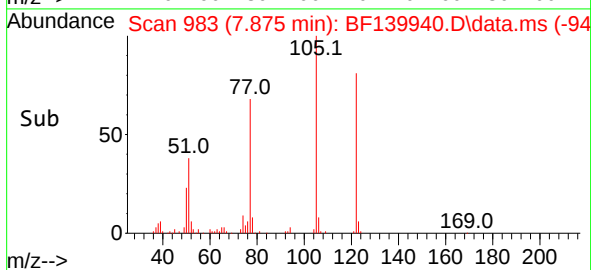
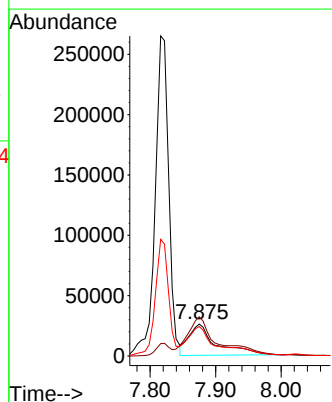
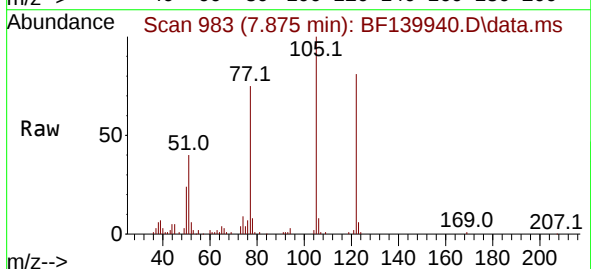
Manual Integrations
APPROVED

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



#32
Benzoic acid
Concen: 12.750 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.047 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Tgt Ion:122 Resp: 76129
Ion Ratio Lower Upper
122 100
105 122.8 107.6 147.6
77 92.3 80.2 120.2





#33
4-Chloroaniline
Concen: 10.722 ng
RT: 8.240 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

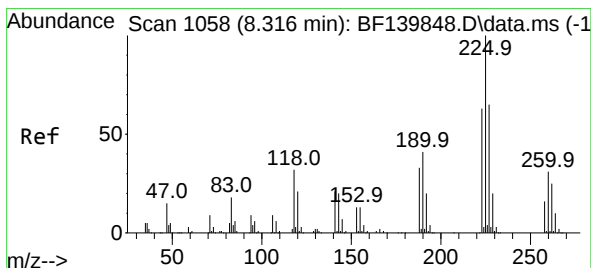
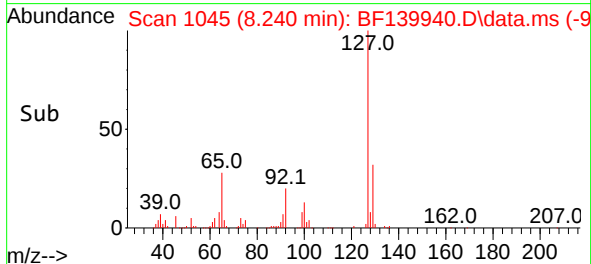
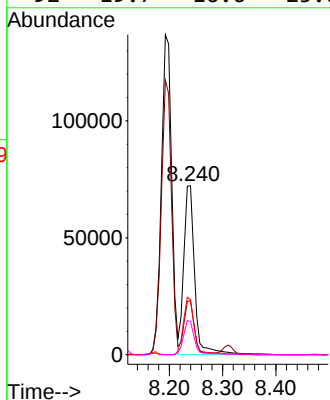
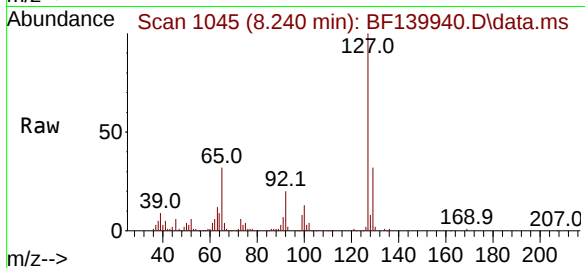
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS

Tgt Ion:127 Resp: 10373

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.4	38.2
65	32.5	28.4	42.6
92	19.7	16.6	25.0

Manual Integrations
APPROVED

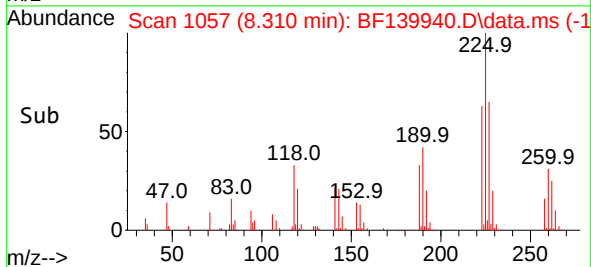
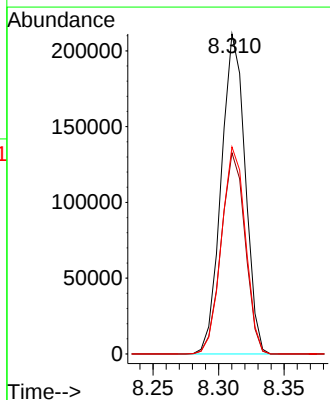
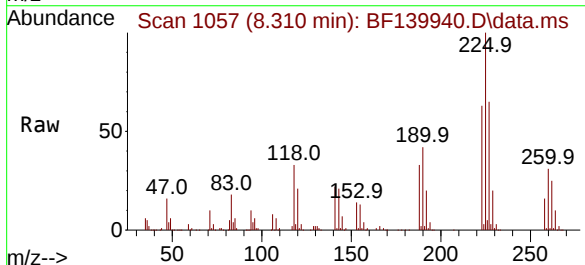
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

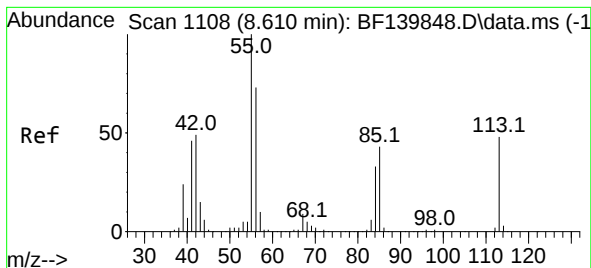


#34
Hexachlorobutadiene
Concen: 49.422 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Tgt Ion:225 Resp: 267930

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	64.7	51.8	77.8





#35

Caprolactam

Concen: 41.191 ng

RT: 8.604 min Scan# 1108

Delta R.T. -0.006 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

Tgt Ion:113 Resp: 102130

Ion Ratio Lower Upper

113 100

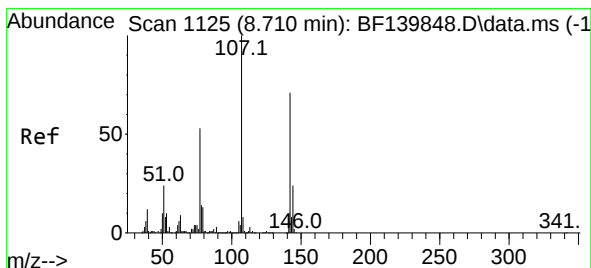
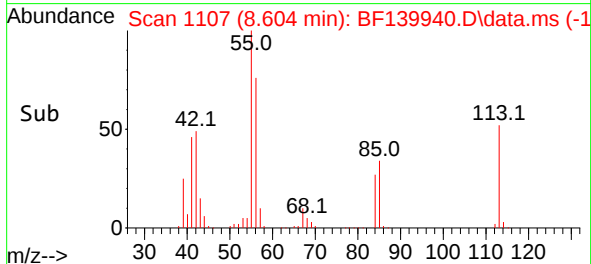
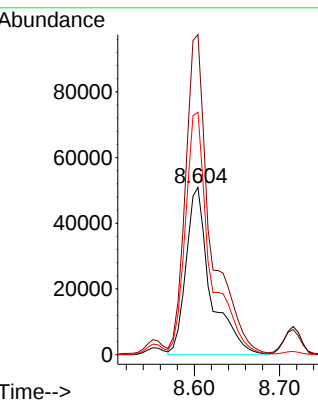
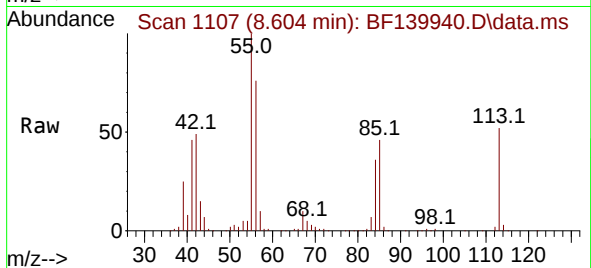
55 191.4 189.2 229.2

56 145.0 132.5 172.5

Manual Integrations

APPROVED

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



#36

4-Chloro-3-methylphenol

Concen: 47.681 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

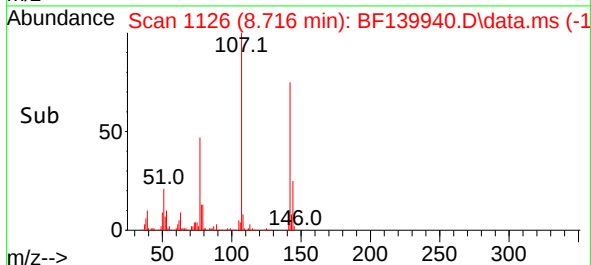
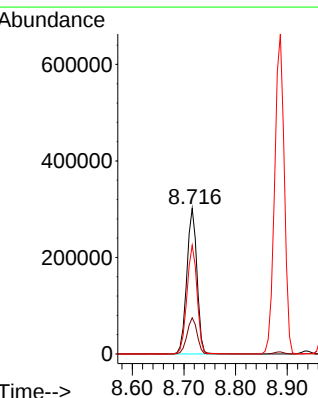
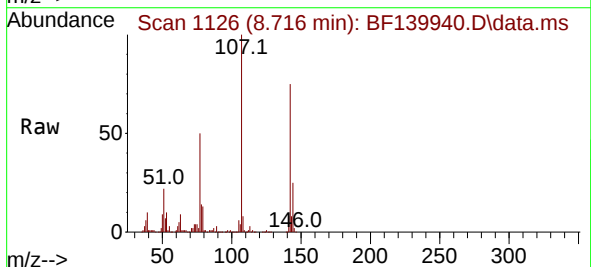
Tgt Ion:107 Resp: 411690

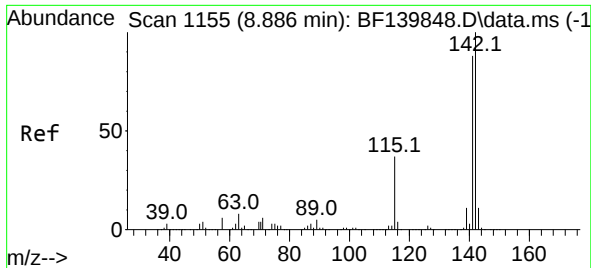
Ion Ratio Lower Upper

107 100

144 24.9 19.1 28.7

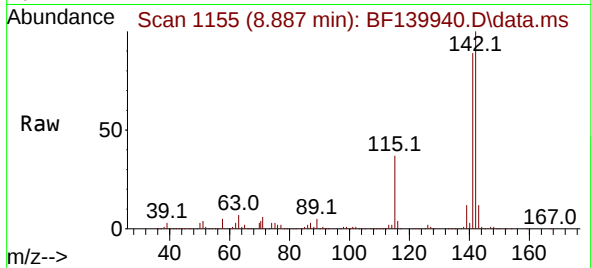
142 74.6 57.2 85.8





#37
2-Methylnaphthalene
Concen: 49.256 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

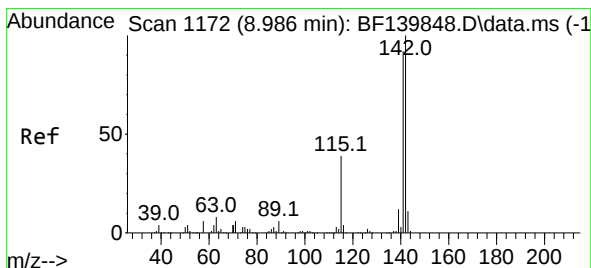
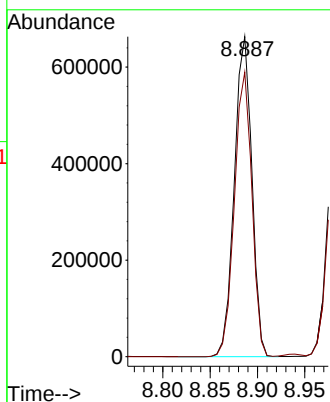
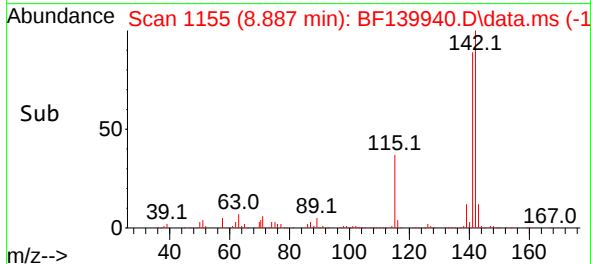
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



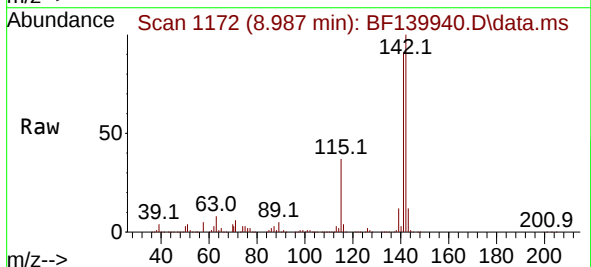
Tgt Ion:142 Resp: 855900
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2

Manual Integrations
APPROVED

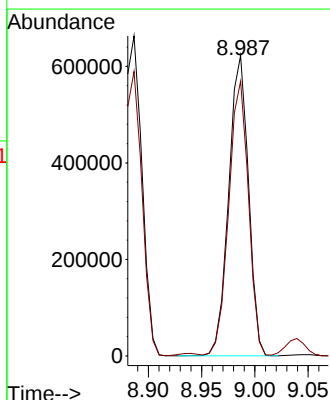
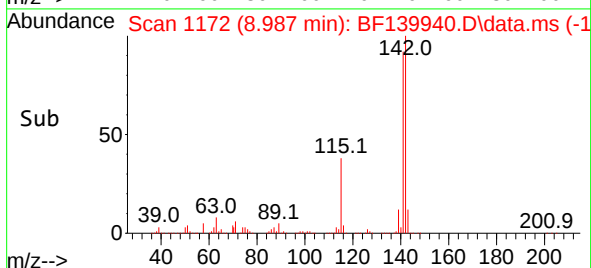
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

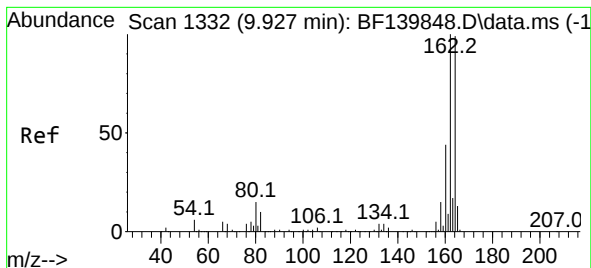


#38
1-Methylnaphthalene
Concen: 46.980 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion:142 Resp: 800945
Ion Ratio Lower Upper
142 100
141 91.4 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: BF139940.D

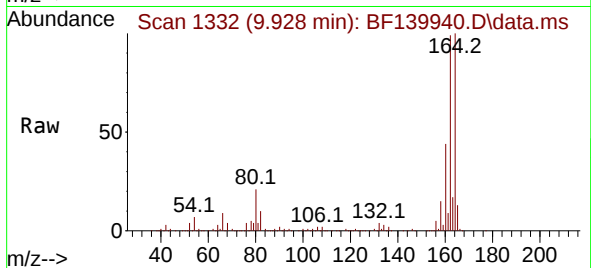
Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS



Tgt Ion:164 Resp: 283510

Ion Ratio Lower Upper

164 100

162 99.4 81.0 121.4

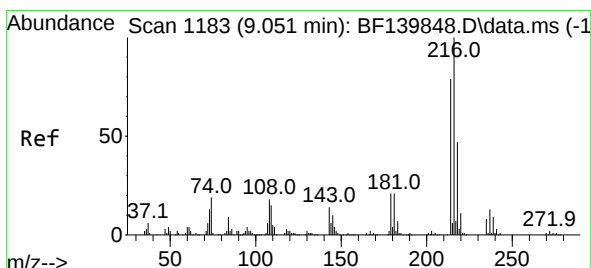
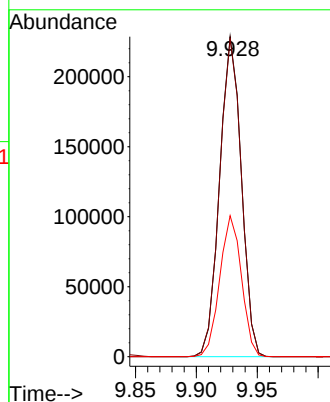
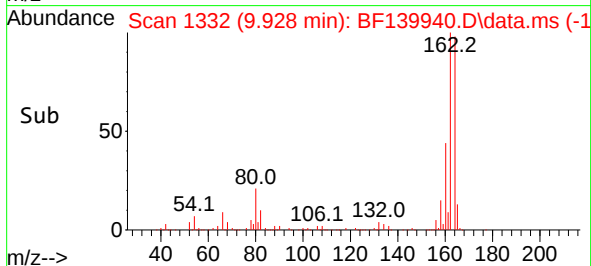
160 44.1 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.768 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Tgt Ion:216 Resp: 403605

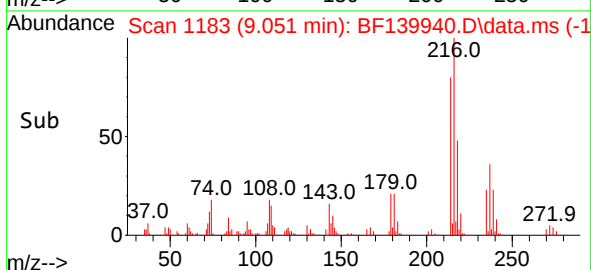
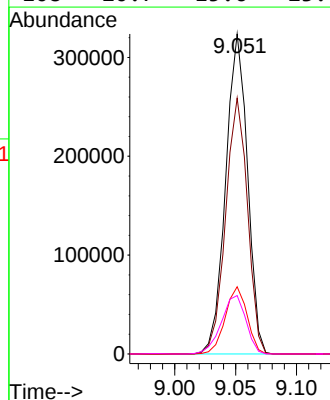
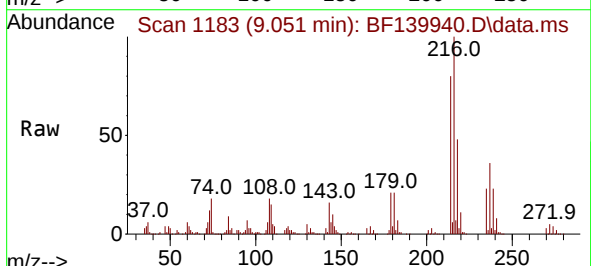
Ion Ratio Lower Upper

216 100

214 79.9 63.4 95.0

179 21.0 17.2 25.8

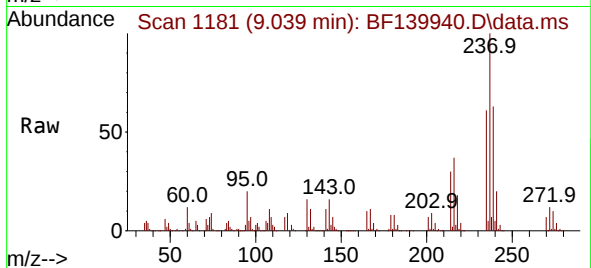
108 20.7 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 160.713 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

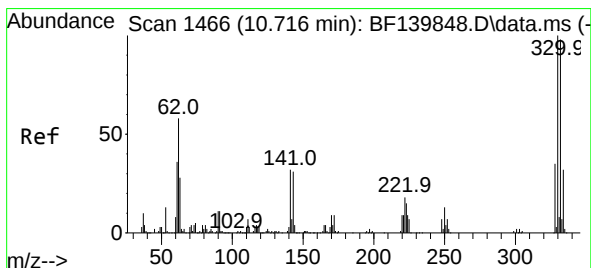
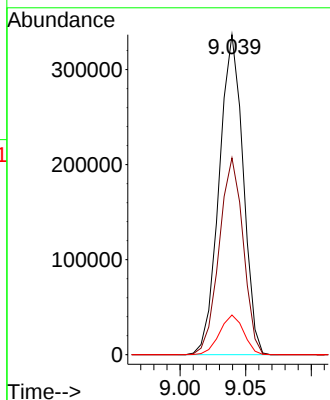
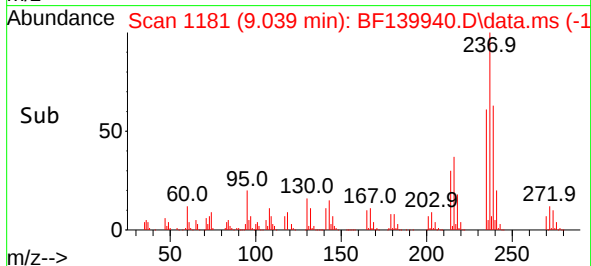
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



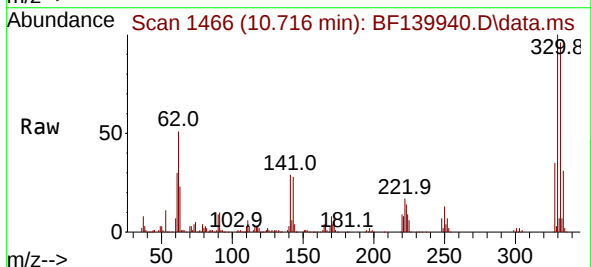
Tgt Ion:237 Resp: 427715
Ion Ratio Lower Upper
237 100
235 61.5 42.9 82.9
272 12.4 0.0 32.3

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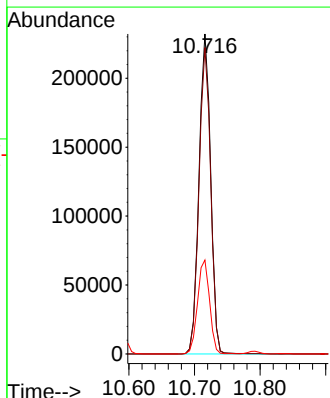
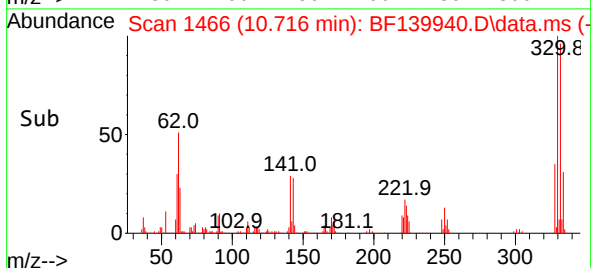
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#42
2,4,6-Tribromophenol
Concen: 108.575 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



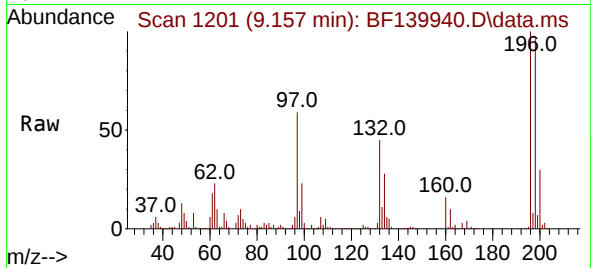
Tgt Ion:330 Resp: 287926
Ion Ratio Lower Upper
330 100
332 95.8 78.1 117.1
141 30.3 26.6 39.8





#43
2,4,6-Trichlorophenol
Concen: 50.978 ng
RT: 9.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

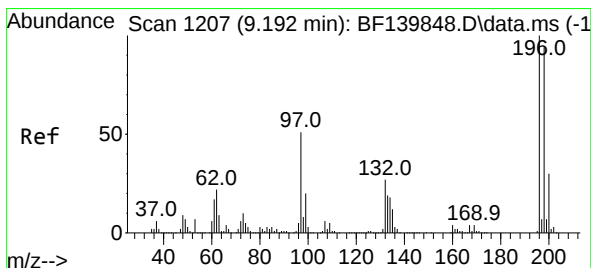
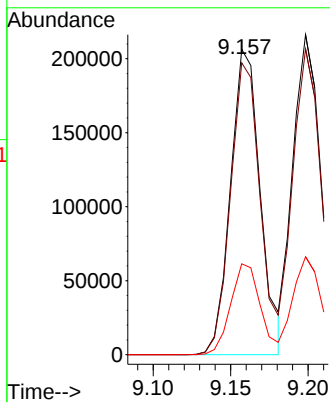
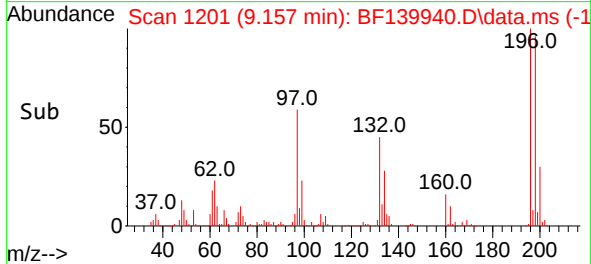
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



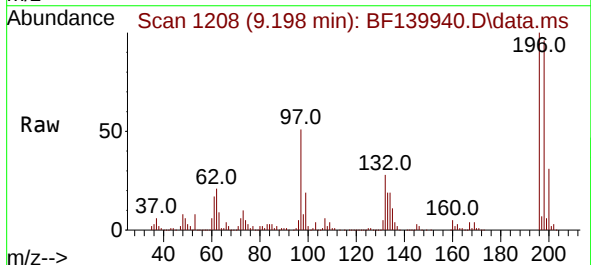
Tgt Ion:196 Resp: 27605
Ion Ratio Lower Upper
196 100
198 95.5 76.2 114.2
200 29.7 24.0 36.0

Manual Integrations
APPROVED

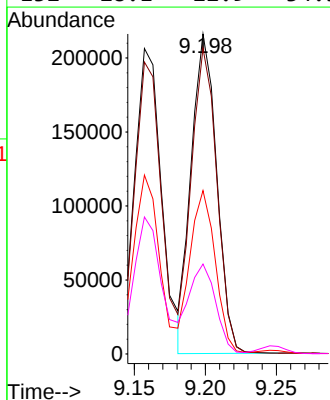
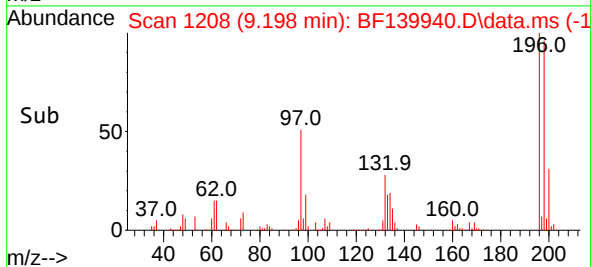
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

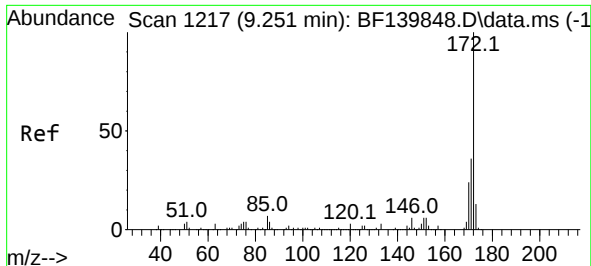


#44
2,4,5-Trichlorophenol
Concen: 48.212 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



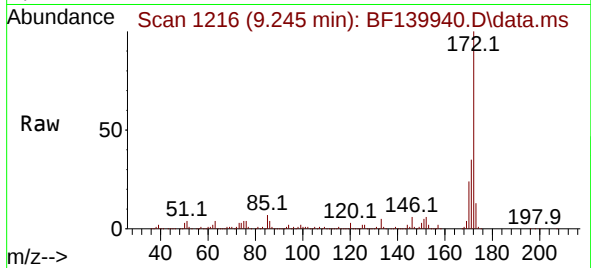
Tgt Ion:196 Resp: 269358
Ion Ratio Lower Upper
196 100
198 95.5 75.8 113.6
97 51.1 41.8 62.6
132 28.1 22.9 34.3





#45
2-Fluorobiphenyl
Concen: 87.297 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

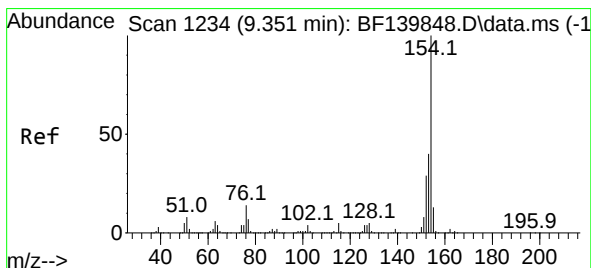
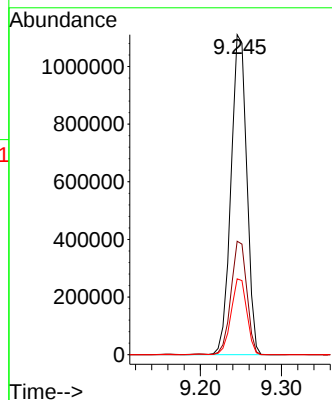
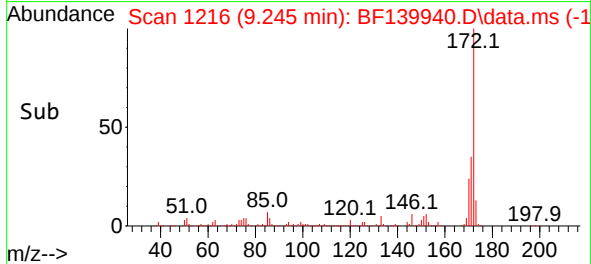
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:172 Resp: 149752
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.7 19.1 28.7

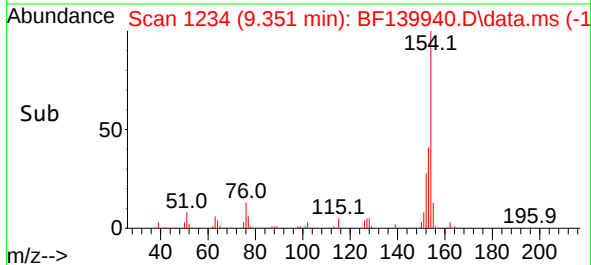
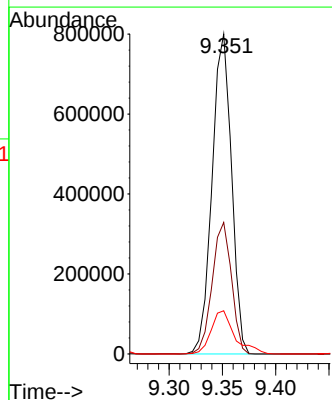
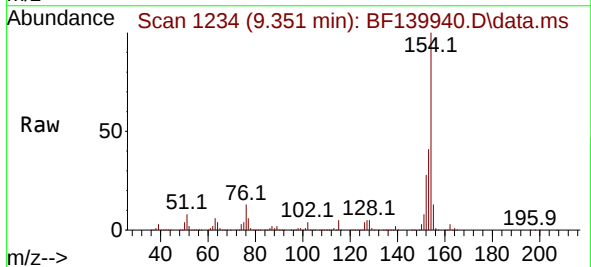
Manual Integrations
APPROVED

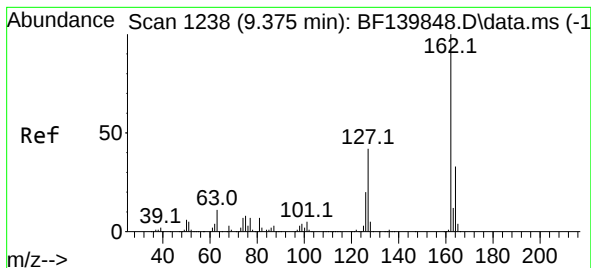
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#46
1,1'-Biphenyl
Concen: 51.310 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

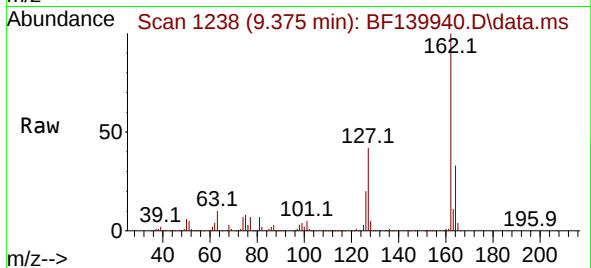
Tgt Ion:154 Resp: 1012675
Ion Ratio Lower Upper
154 100
153 41.1 20.3 60.3
76 13.5 0.0 33.9





#47
2-Chloronaphthalene
Concen: 50.294 ng
RT: 9.375 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

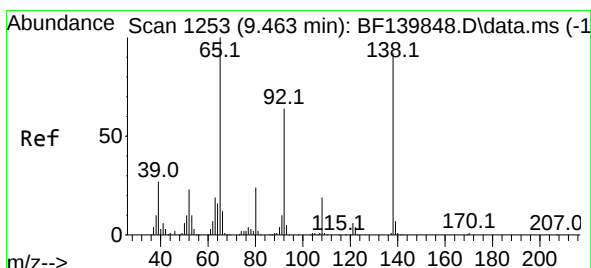
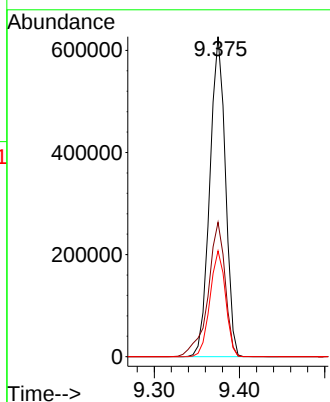
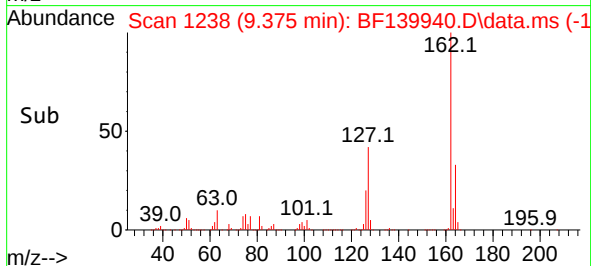
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



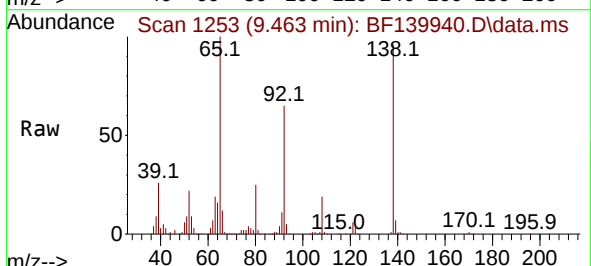
Tgt Ion:162 Resp: 799475
Ion Ratio Lower Upper
162 100
127 42.0 33.8 50.6
164 33.1 26.6 39.8

Manual Integrations
APPROVED

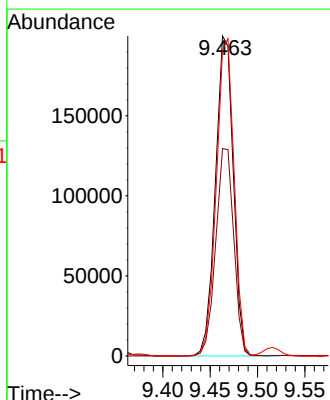
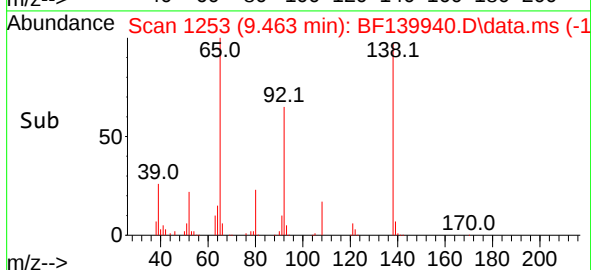
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

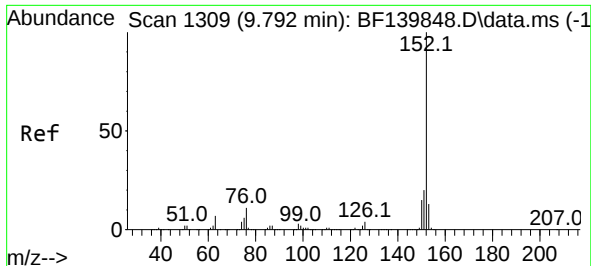


#48
2-Nitroaniline
Concen: 54.177 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion: 65 Resp: 263391
Ion Ratio Lower Upper
65 100
92 64.8 50.9 76.3
138 95.6 73.4 110.0





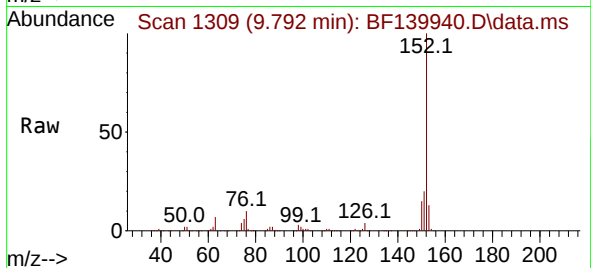
#49
Acenaphthylene
Concen: 53.295 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

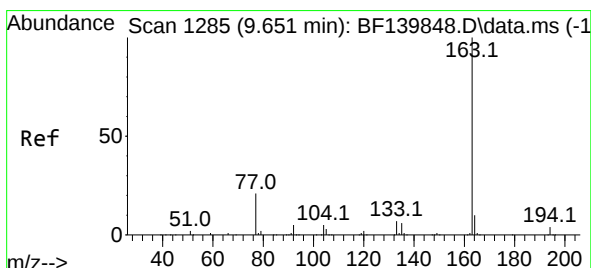
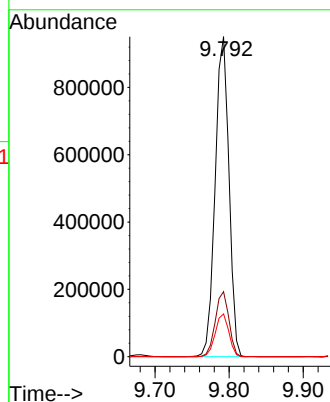
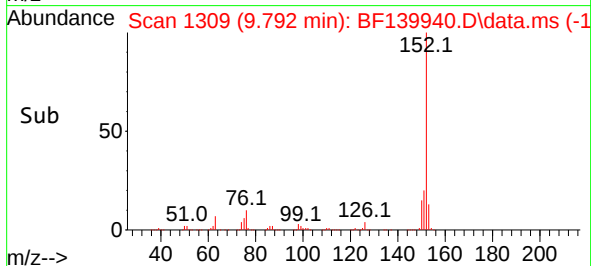


Tgt Ion:152 Resp: 1224760
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 13.4 10.7 16.1

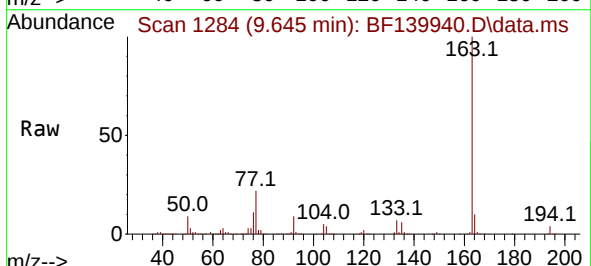
Manual Integrations

APPROVED

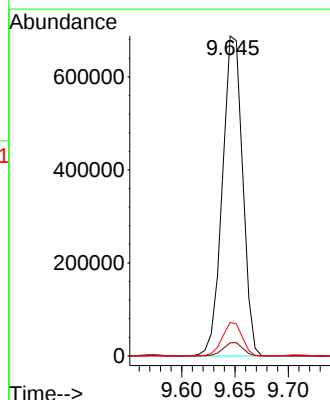
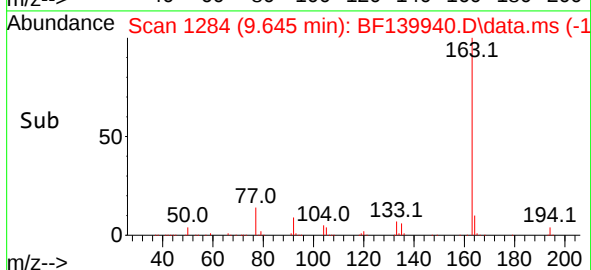
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

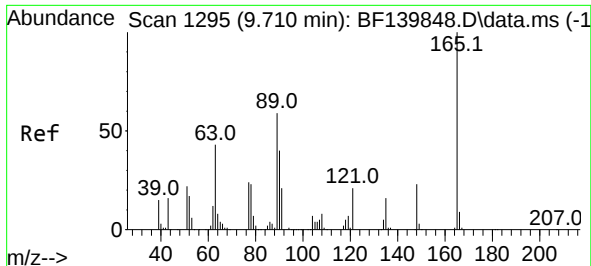


#50
Dimethylphthalate
Concen: 51.450 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



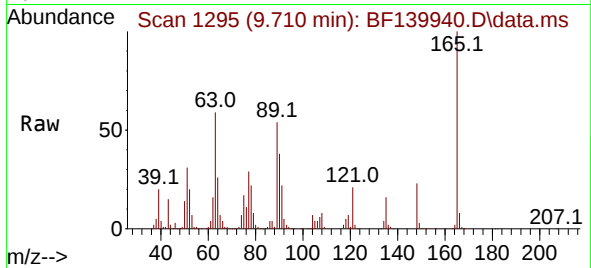
Tgt Ion:163 Resp: 908569
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.4 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 51.592 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

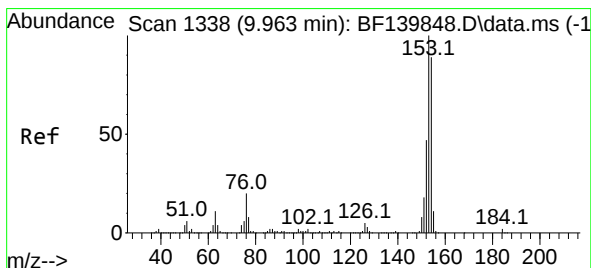
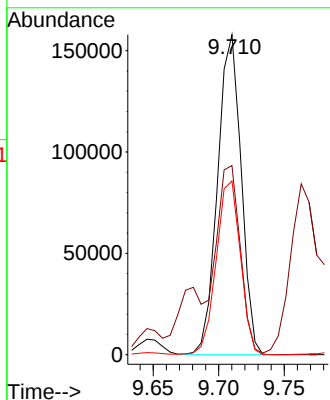
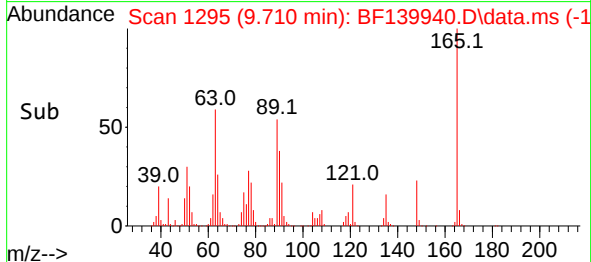
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:165 Resp: 19726
Ion Ratio Lower Upper
165 100
63 59.1 50.6 75.8
89 54.3 47.5 71.3

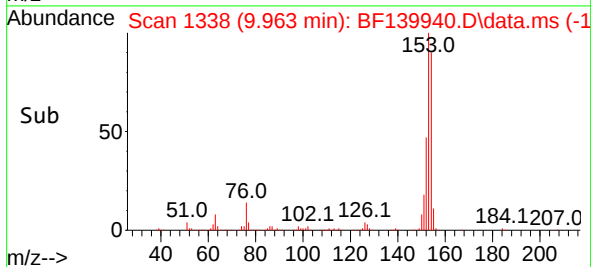
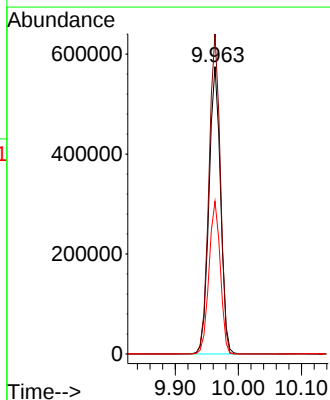
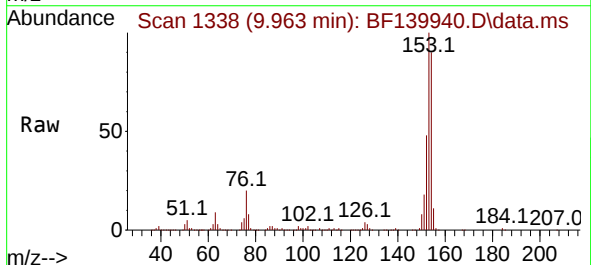
Manual Integrations
APPROVED

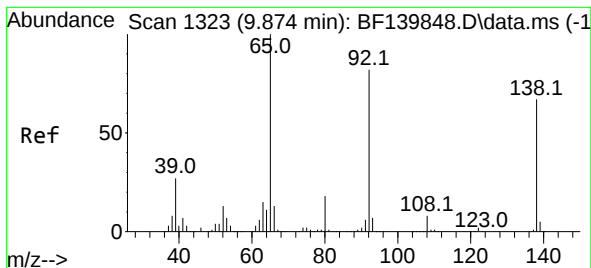
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#52
Acenaphthene
Concen: 49.362 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

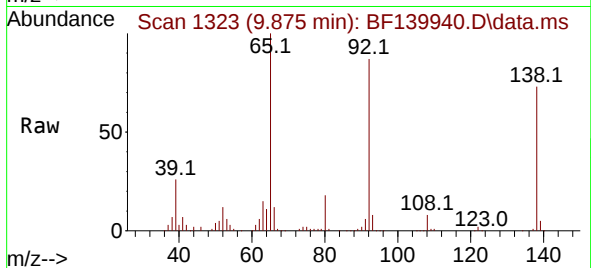
Tgt Ion:154 Resp: 733824
Ion Ratio Lower Upper
154 100
153 111.3 89.8 134.6
152 53.1 42.4 63.6





#53
3-Nitroaniline
Concen: 27.285 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

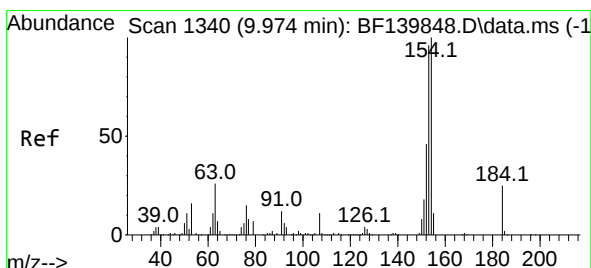
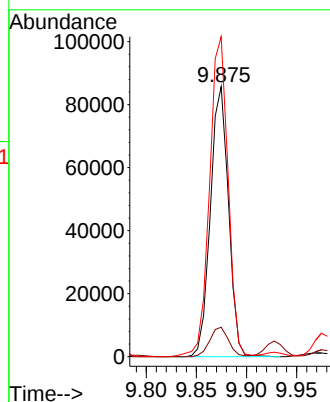
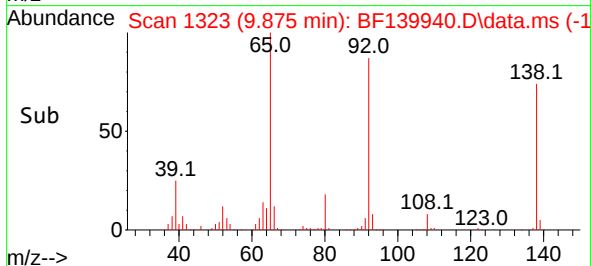
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:138 Resp: 107580
Ion Ratio Lower Upper
138 100
108 10.9 10.2 15.2
92 118.5 98.3 147.5

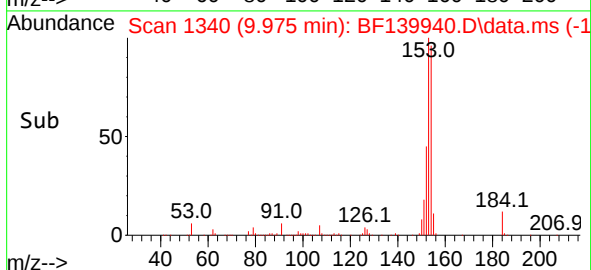
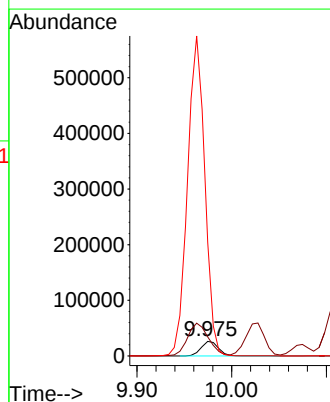
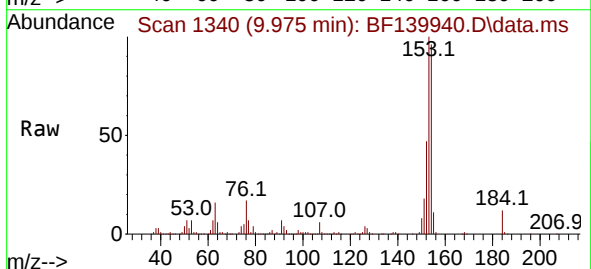
Manual Integrations
APPROVED

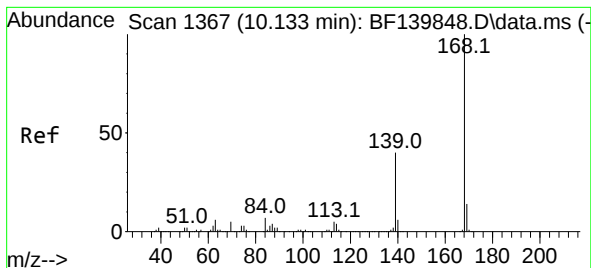
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#54
2,4-Dinitrophenol
Concen: 25.961 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.001 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

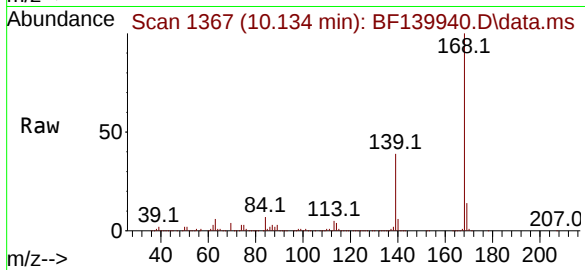
Tgt Ion:184 Resp: 33614
Ion Ratio Lower Upper
184 100
63 131.1 84.7 127.1#
154 778.5 338.2 507.2#





#55
Dibenzenofuran
Concen: 50.058 ng
RT: 10.134 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

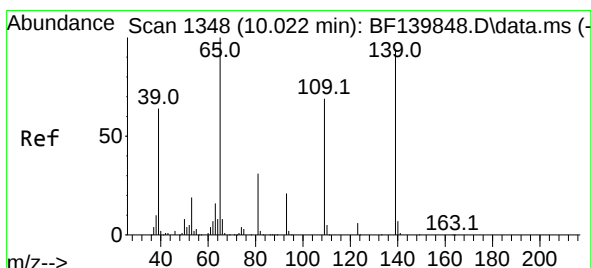
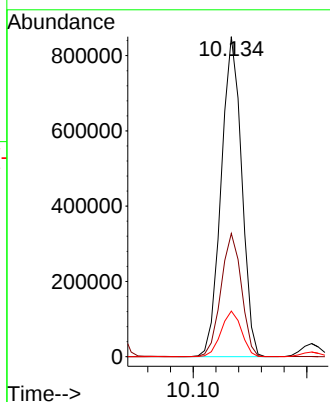
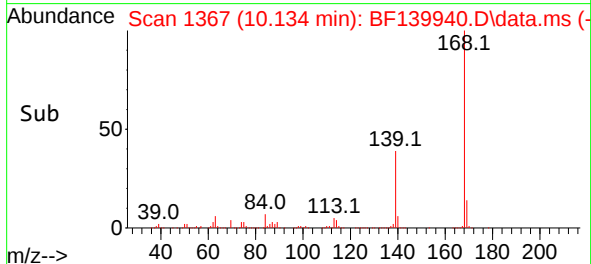
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:168 Resp: 106770
Ion Ratio Lower Upper
168 100
139 38.5 31.8 47.6
169 14.3 11.6 17.4

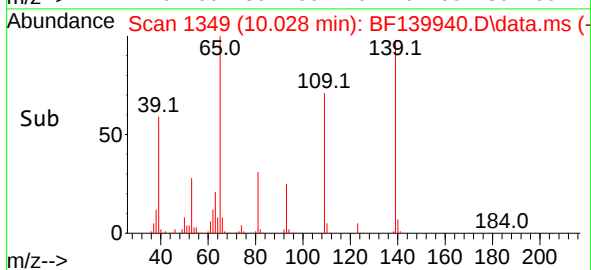
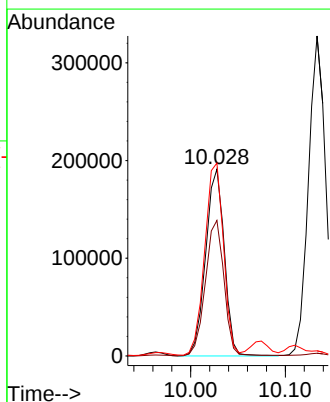
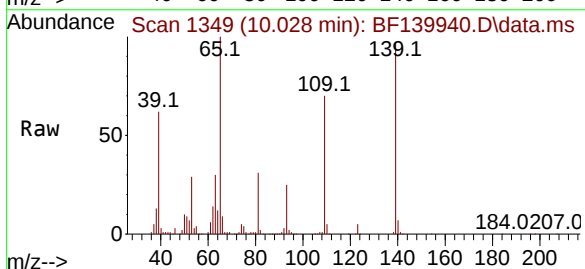
Manual Integrations
APPROVED

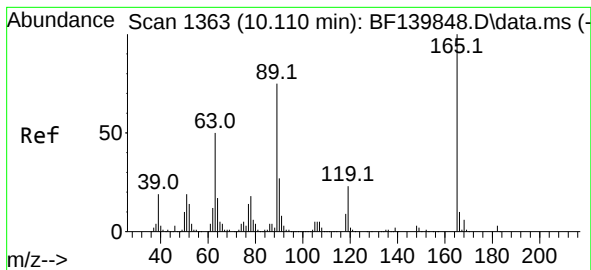
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#56
4-Nitrophenol
Concen: 86.444 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

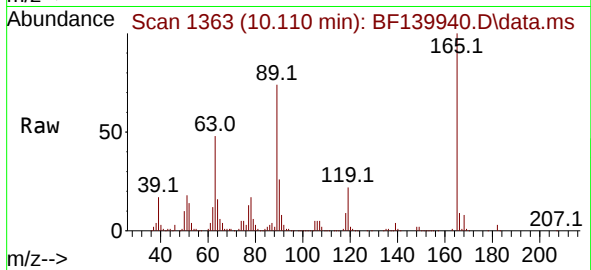
Tgt Ion:139 Resp: 262237
Ion Ratio Lower Upper
139 100
109 72.6 53.6 93.6
65 103.3 87.8 127.8





#57
2,4-Dinitrotoluene
Concen: 52.057 ng
RT: 10.110 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

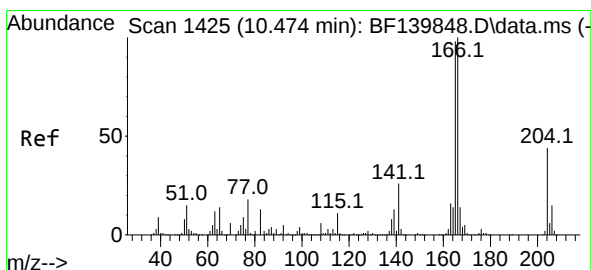
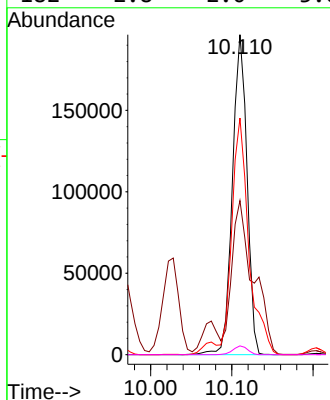
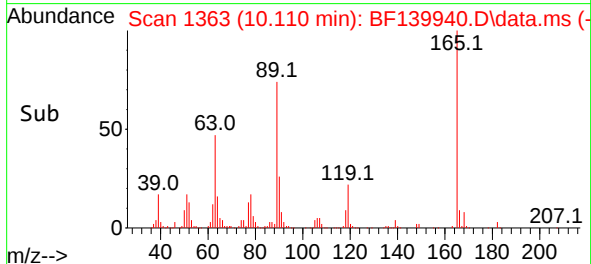
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



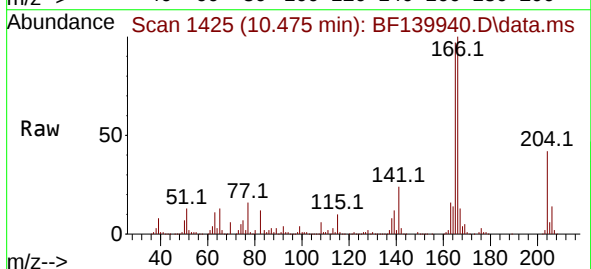
Tgt Ion:165 Resp: 24477
Ion Ratio Lower Upper
165 100
63 48.1 40.1 60.1
89 73.9 60.4 90.6
182 2.8 2.0 3.0

Manual Integrations
APPROVED

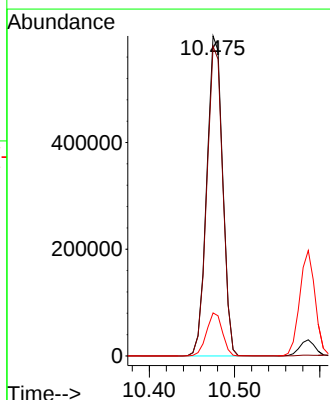
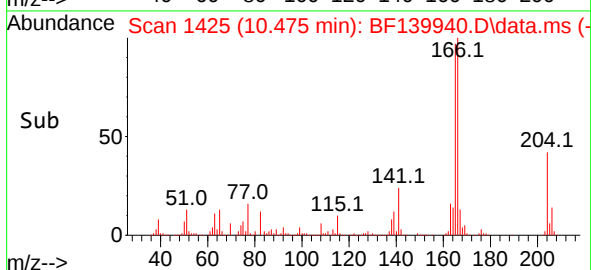
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

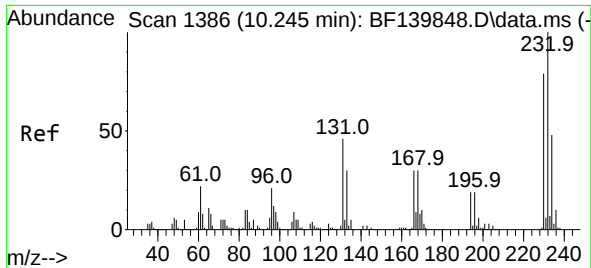


#58
Fluorene
Concen: 47.669 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



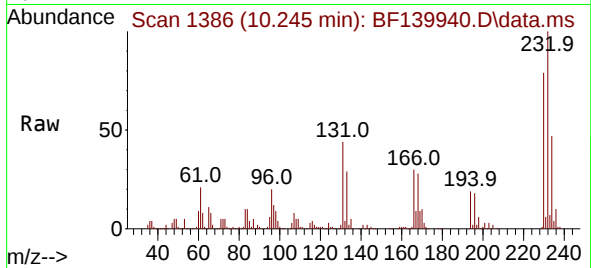
Tgt Ion:166 Resp: 774417
Ion Ratio Lower Upper
166 100
165 96.7 78.5 117.7
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.317 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

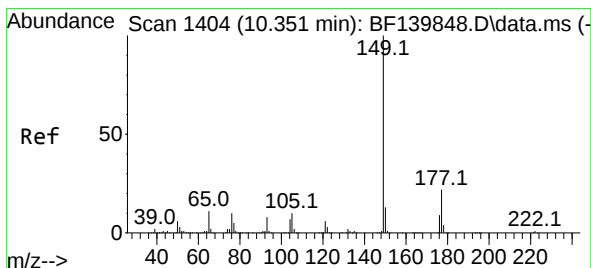
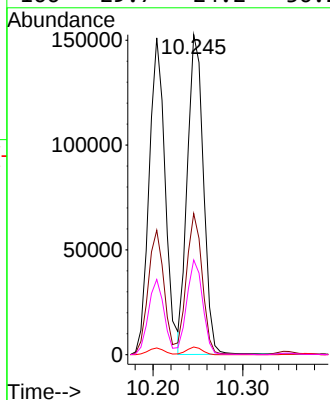
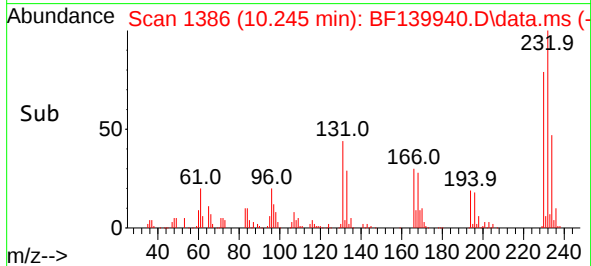
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:232 Resp: 189721
Ion Ratio Lower Upper
232 100
131 44.1 37.0 55.6
130 2.3 1.9 2.9
166 29.7 24.2 36.2

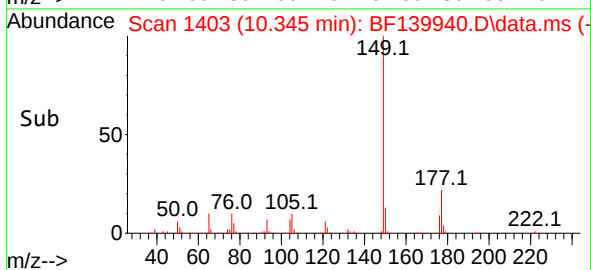
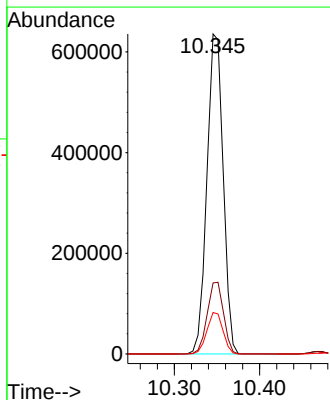
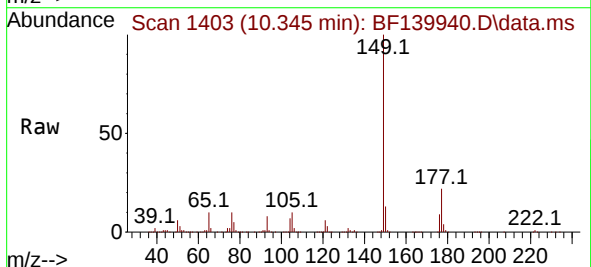
Manual Integrations
APPROVED

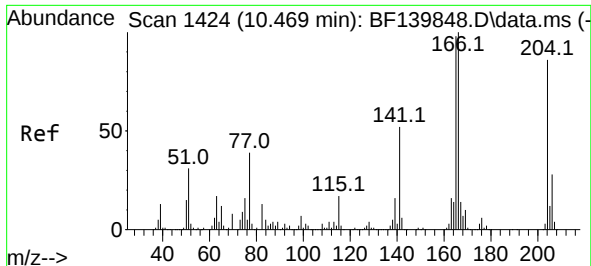
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#60
Diethylphthalate
Concen: 48.564 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

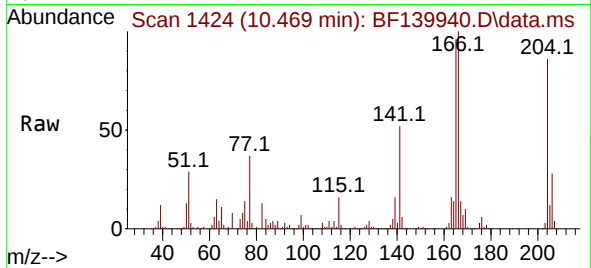
Tgt Ion:149 Resp: 842044
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 13.0 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 49.152 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

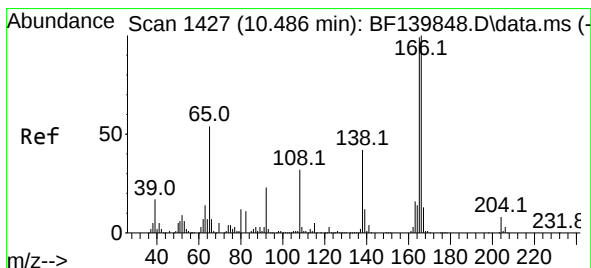
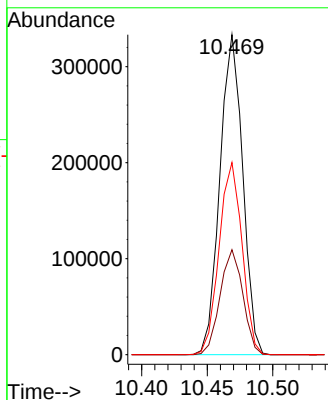
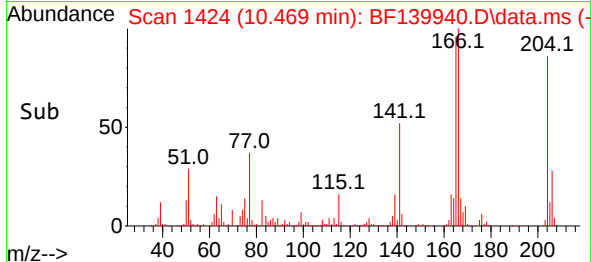
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



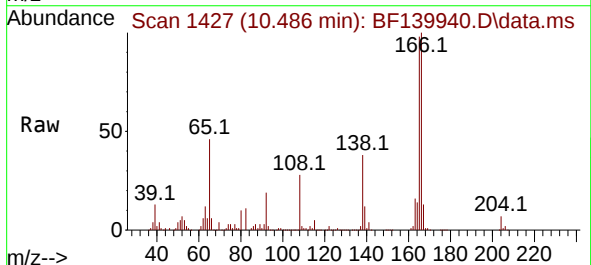
Tgt Ion:204 Resp: 40325
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 60.1 48.6 73.0

Manual Integrations
APPROVED

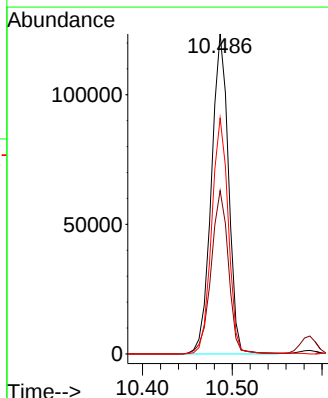
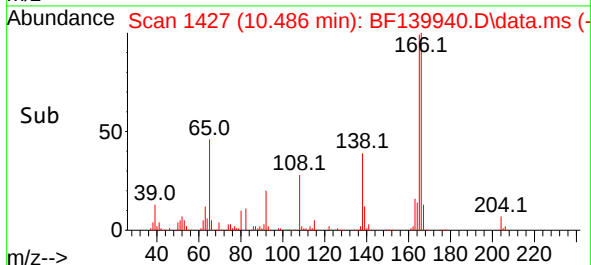
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

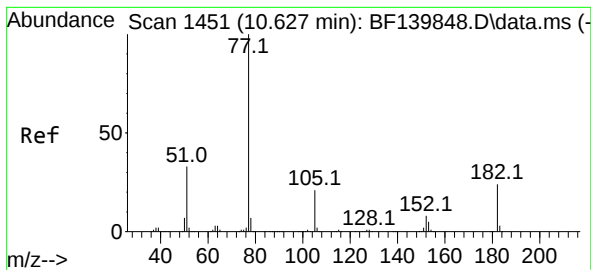


#62
4-Nitroaniline
Concen: 43.996 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



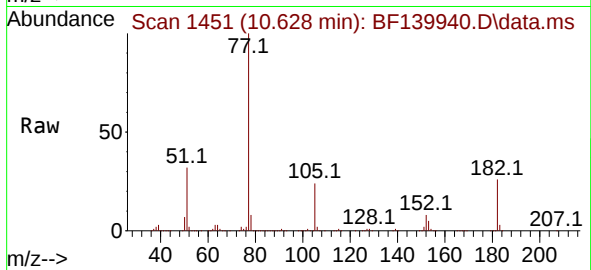
Tgt Ion:138 Resp: 163842
Ion Ratio Lower Upper
138 100
92 51.0 35.7 75.7
108 73.8 57.5 97.5





#63
Azobenzene
Concen: 49.767 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

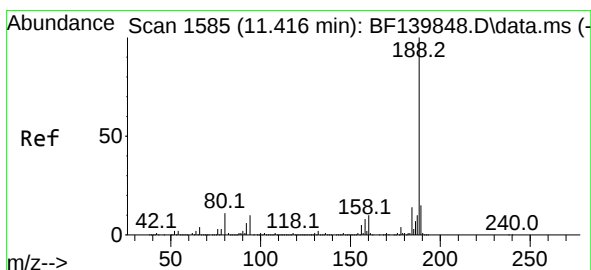
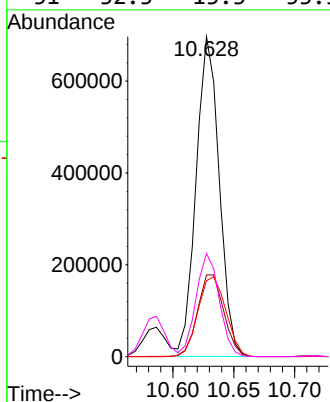
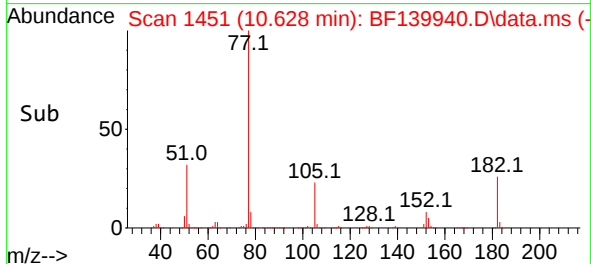
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



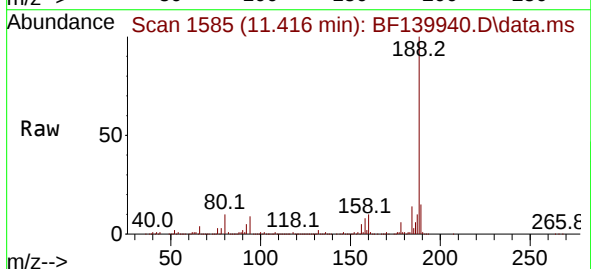
Tgt Ion: 77 Resp: 914814
Ion Ratio Lower Upper
77 100
182 25.6 3.3 43.3
105 23.8 1.2 41.2
51 32.3 13.3 53.3

Manual Integrations
APPROVED

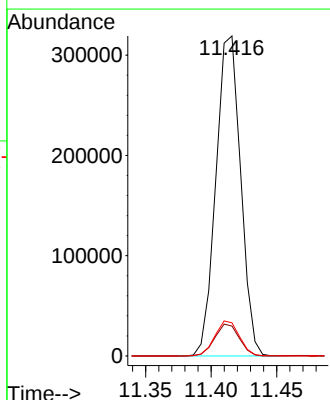
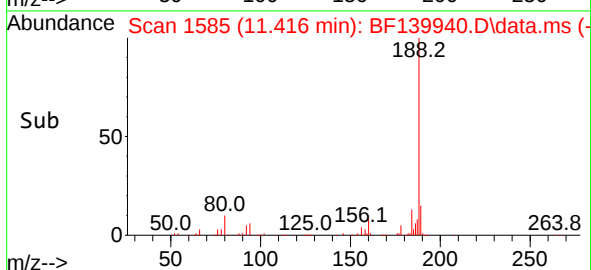
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion:188 Resp: 418504
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.3 9.0 13.4





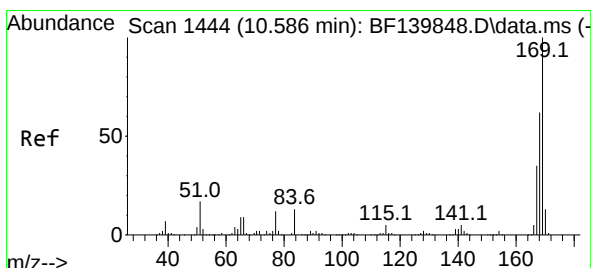
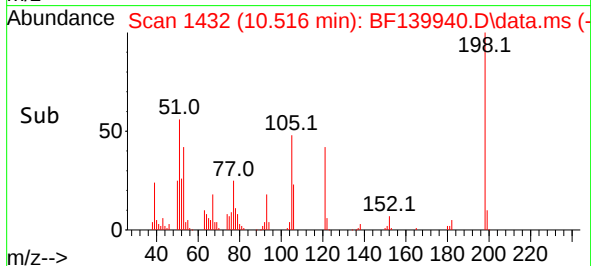
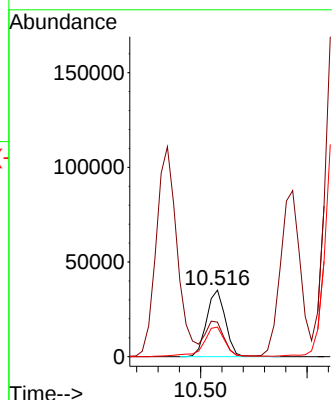
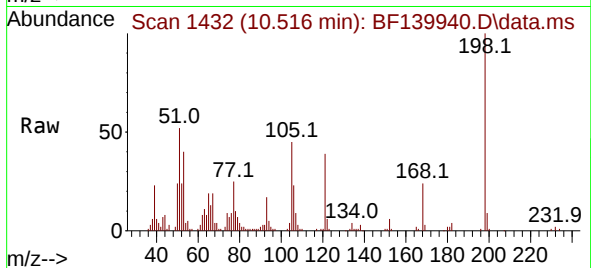
#65
4,6-Dinitro-2-methylphenol
Concen: 25.095 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS

Tgt Ion:198 Resp: 42838
Ion Ratio Lower Upper
198 100
51 52.0 38.2 78.2
105 44.5 27.9 67.9

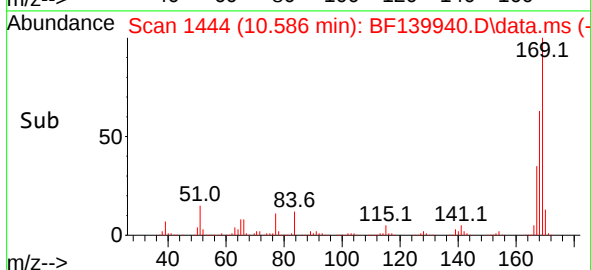
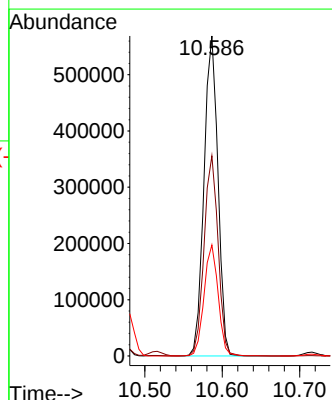
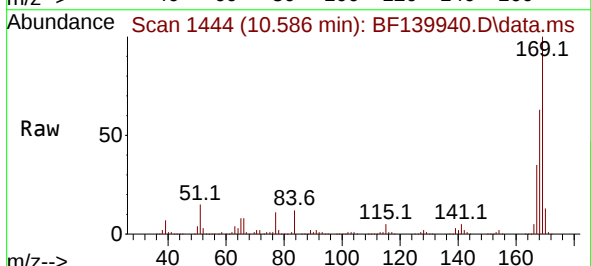
Manual Integrations
APPROVED

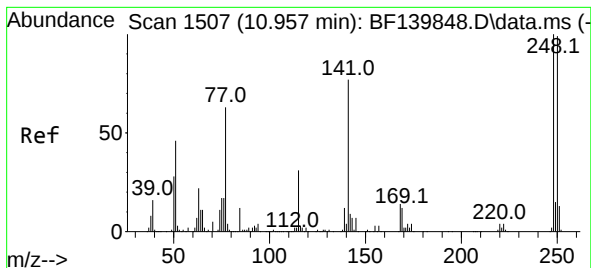
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#66
n-Nitrosodiphenylamine
Concen: 56.727 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

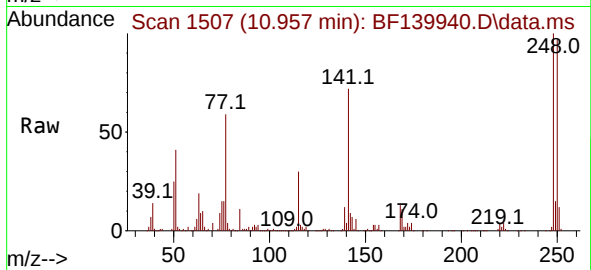
Tgt Ion:169 Resp: 710550
Ion Ratio Lower Upper
169 100
168 62.6 49.8 74.6
167 34.7 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 57.378 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

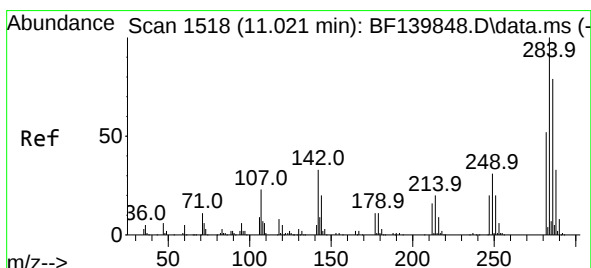
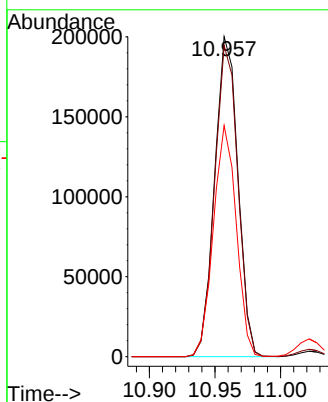
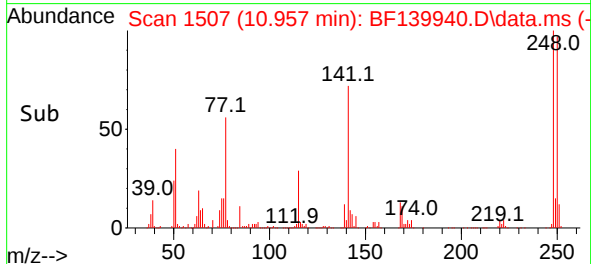
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



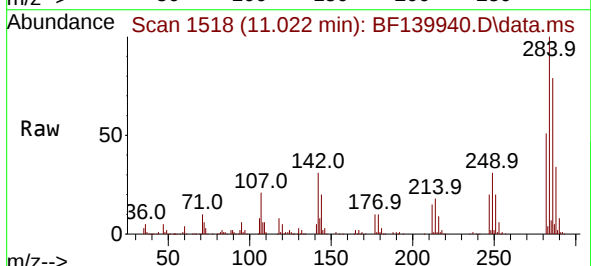
Tgt Ion:248 Resp: 247378
Ion Ratio Lower Upper
248 100
250 97.2 79.0 118.6
141 72.2 61.7 92.5

Manual Integrations
APPROVED

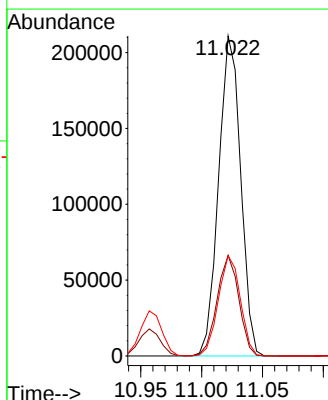
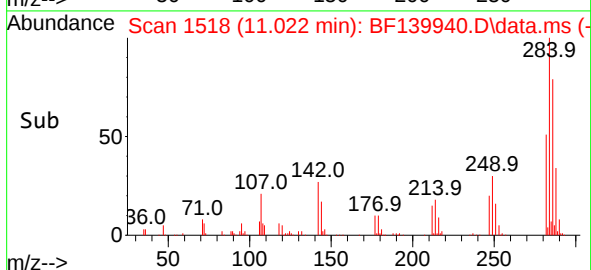
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

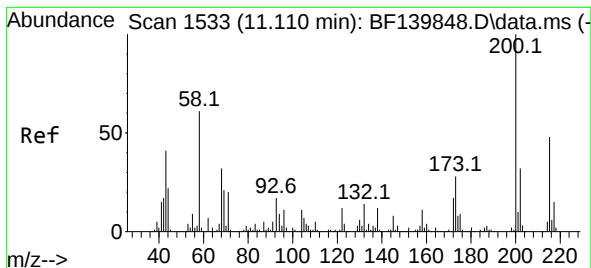


#68
Hexachlorobenzene
Concen: 54.832 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion:284 Resp: 265874
Ion Ratio Lower Upper
284 100
142 31.4 26.9 40.3
249 31.4 25.3 37.9





#69

Atrazine

Concen: 62.989 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

Tgt Ion:200 Resp: 213724

Ion Ratio Lower Upper

200 100

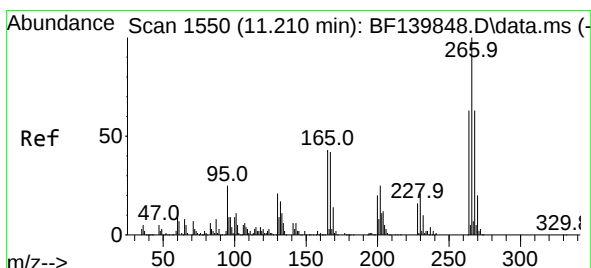
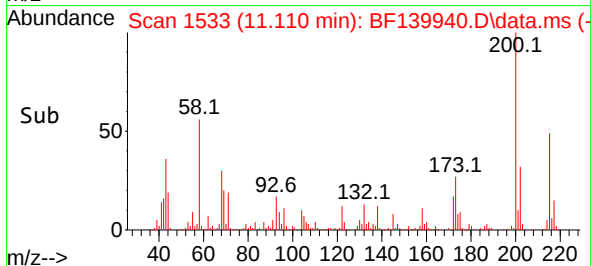
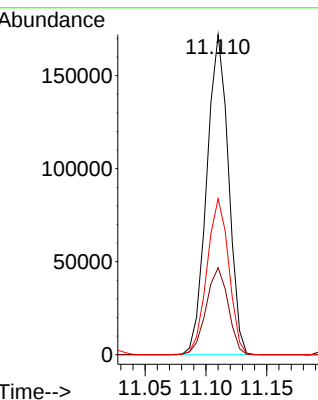
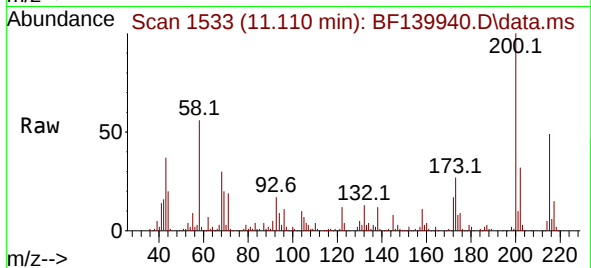
173 27.2 7.7 47.7

215 48.7 27.7 67.7

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 66.791 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

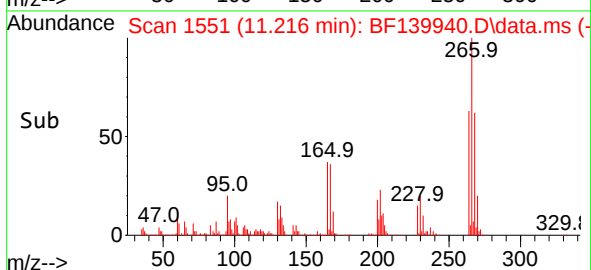
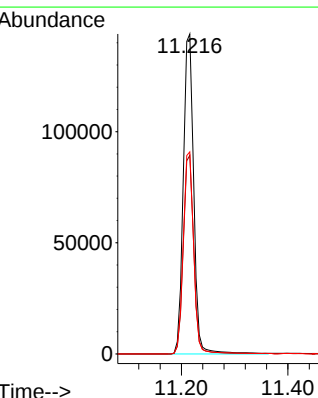
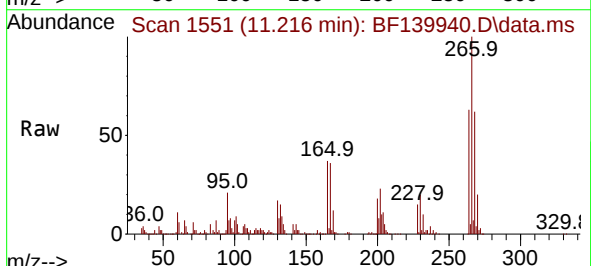
Tgt Ion:266 Resp: 196553

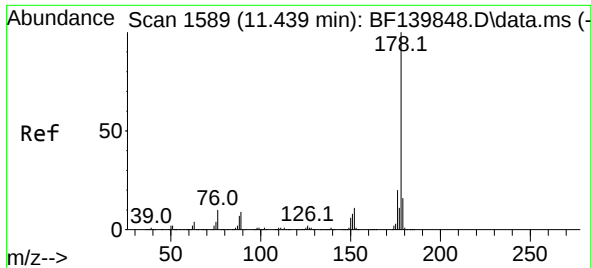
Ion Ratio Lower Upper

266 100

268 62.0 50.4 75.6

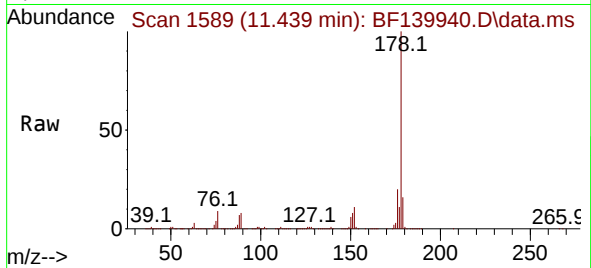
264 63.2 50.6 75.8





#71
Phenanthrene
Concen: 52.478 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

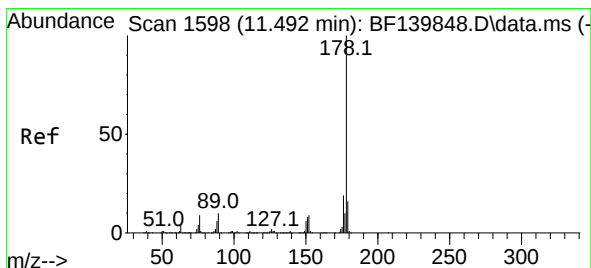
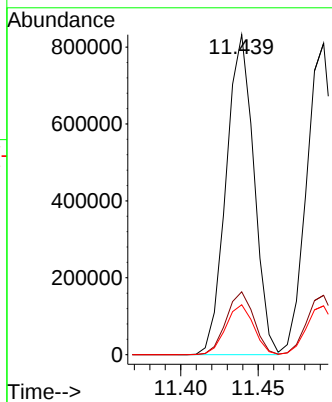
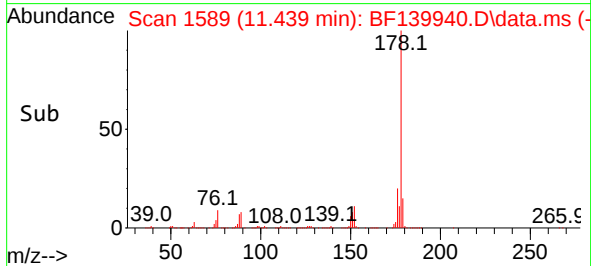
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



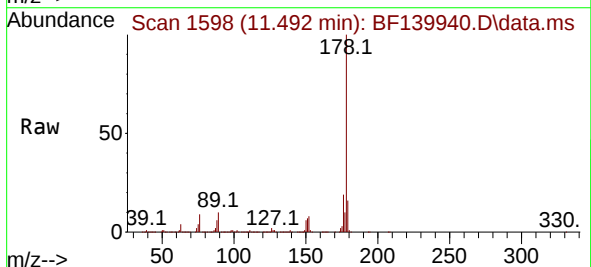
Tgt Ion:178 Resp: 103739
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.6 12.6 18.8

Manual Integrations
APPROVED

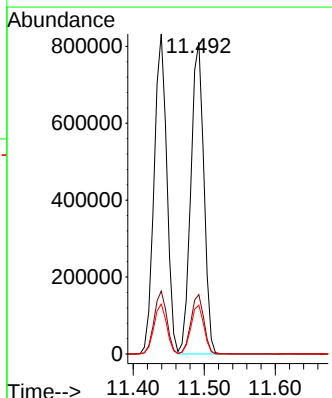
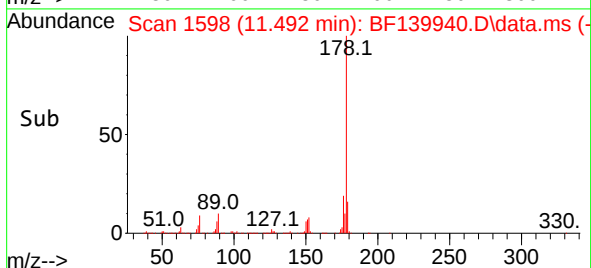
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

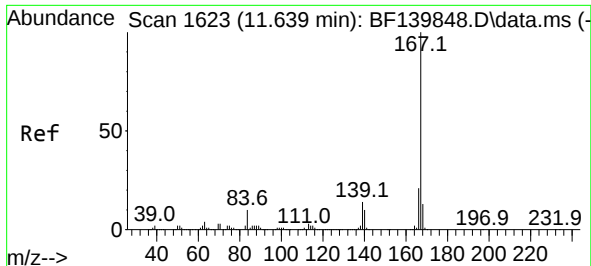


#72
Anthracene
Concen: 53.429 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



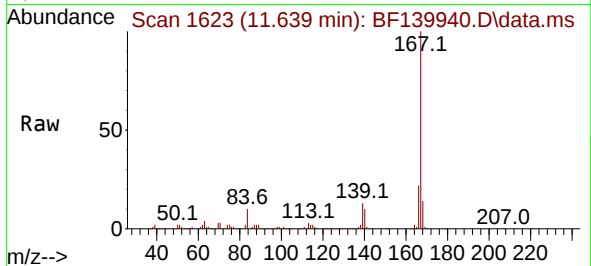
Tgt Ion:178 Resp: 1030529
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 47.803 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF139940.D
 Acq: 22 Oct 2024 20:51

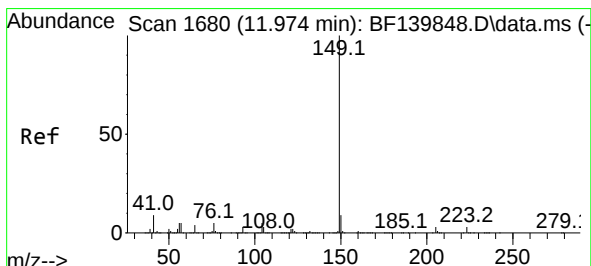
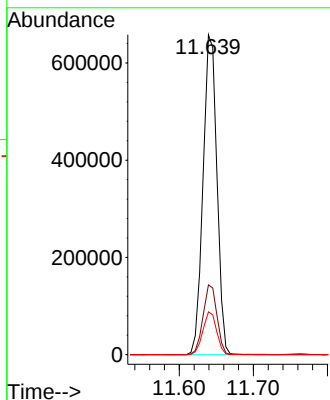
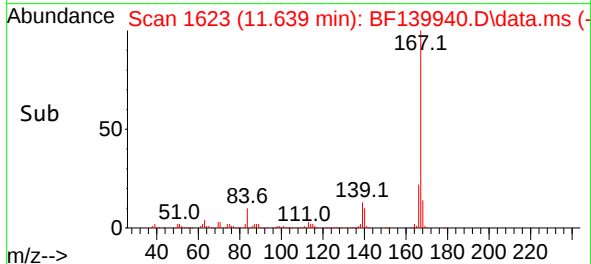
Instrument :
 BNA_F
 ClientSampleId :
 Hawthorne TP SoilMS



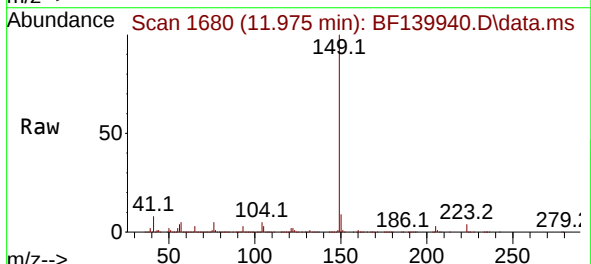
Tgt Ion:167 Resp: 857495
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.4 10.8 16.2

Manual Integrations
 APPROVED

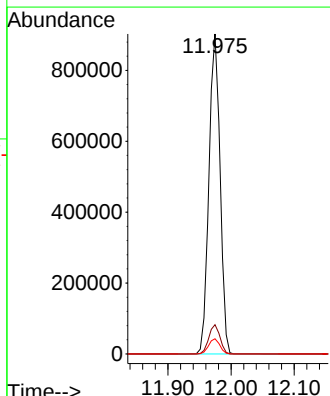
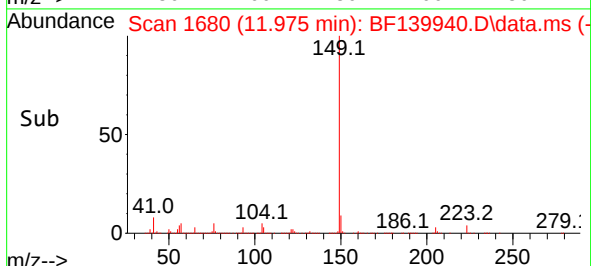
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

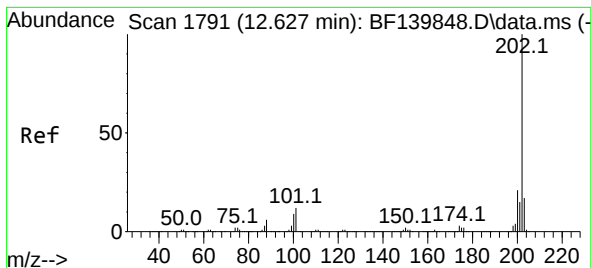


#74
 Di-n-butylphthalate
 Concen: 53.170 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF139940.D
 Acq: 22 Oct 2024 20:51



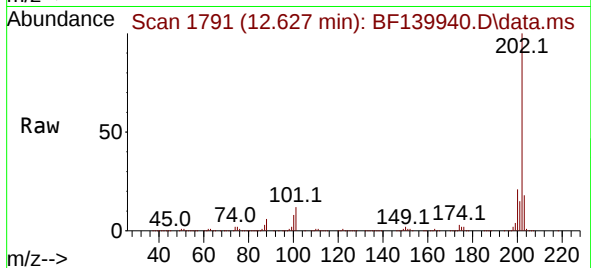
Tgt Ion:149 Resp: 1101914
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.8 4.1 6.1





#75
Fluoranthene
Concen: 49.174 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

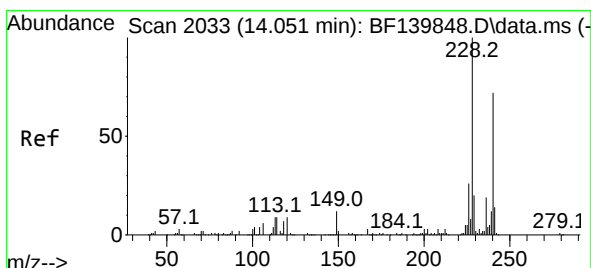
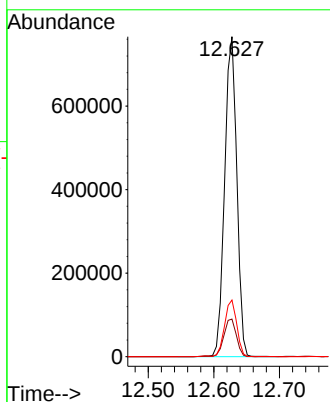
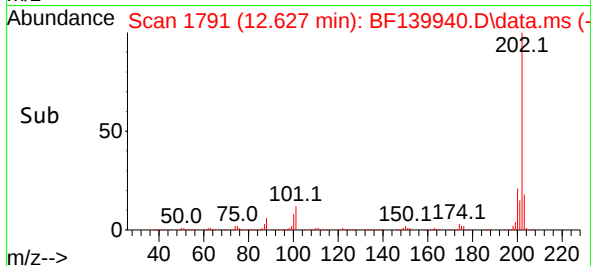
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



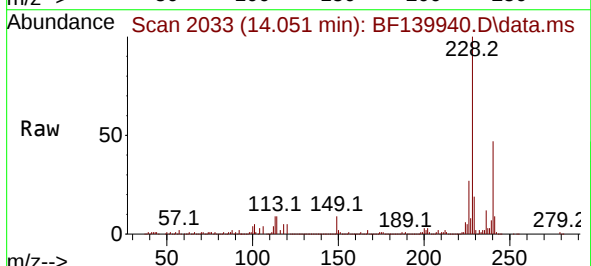
Tgt Ion:202 Resp: 982708
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.7 0.0 37.5

Manual Integrations
APPROVED

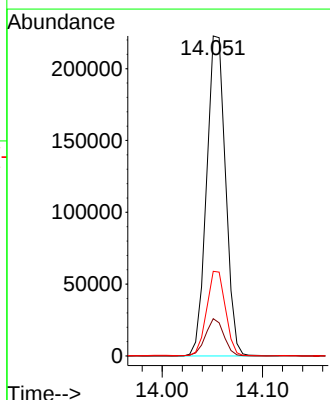
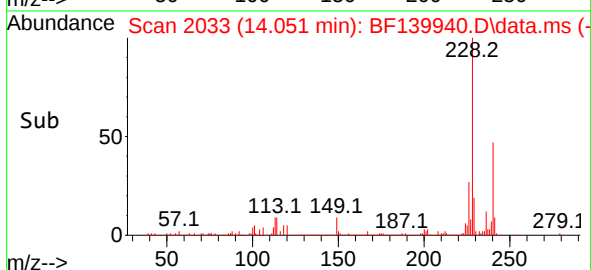
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

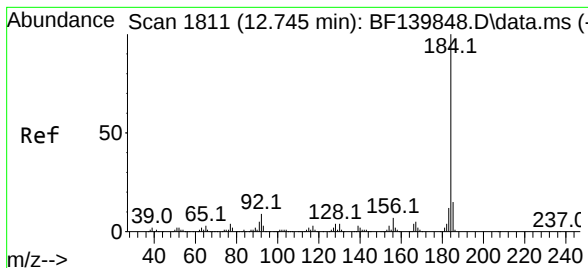


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



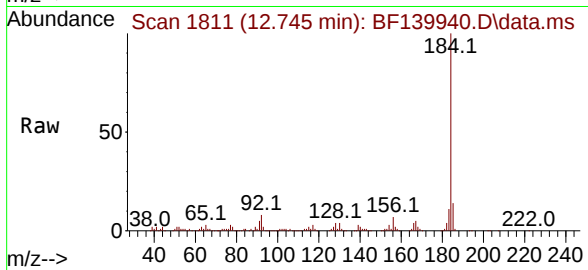
Tgt Ion:240 Resp: 292588
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 26.4 20.9 31.3





#77
Benzidine
Concen: 41.379 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

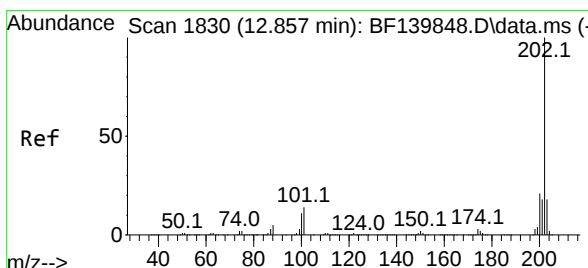
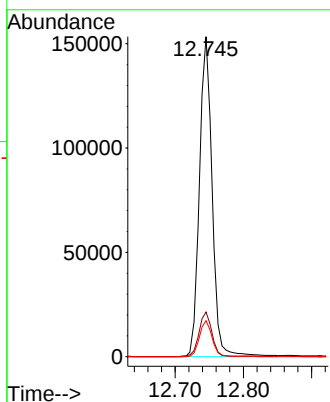
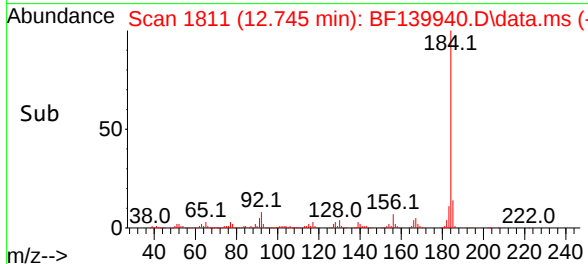
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



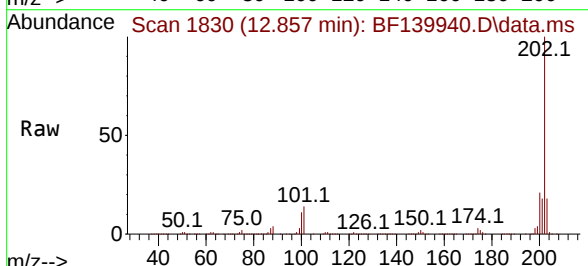
Tgt Ion:184 Resp: 199080
Ion Ratio Lower Upper
184 100
185 14.0 12.0 18.0
183 11.2 9.4 14.2

Manual Integrations
APPROVED

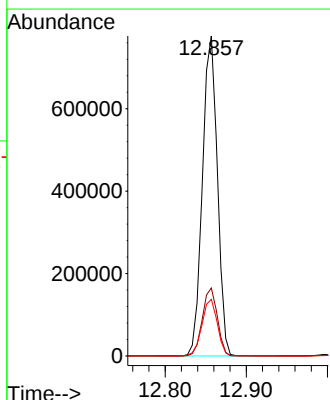
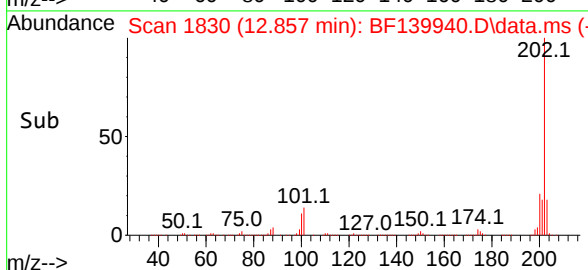
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

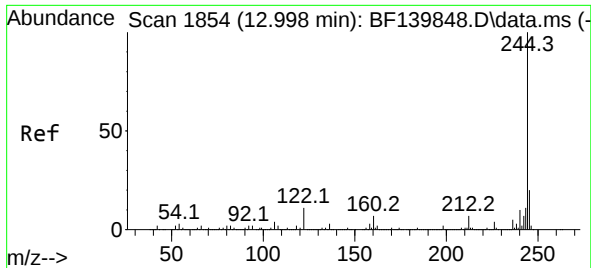


#78
Pyrene
Concen: 38.697 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



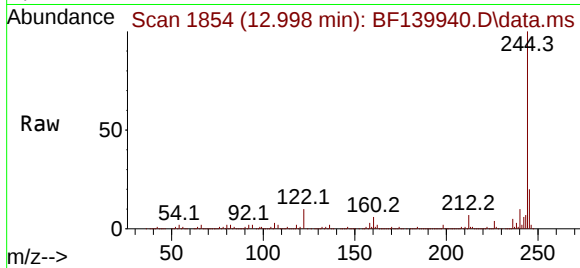
Tgt Ion:202 Resp: 991076
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.7 14.2 21.4





#79
Terphenyl-d14
Concen: 66.629 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

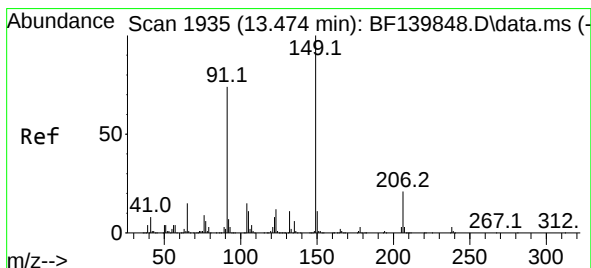
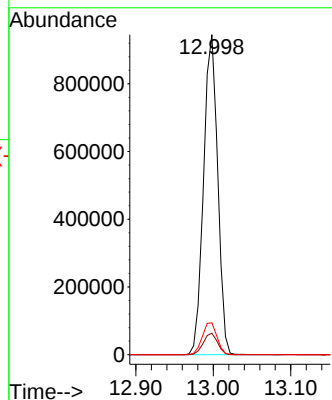
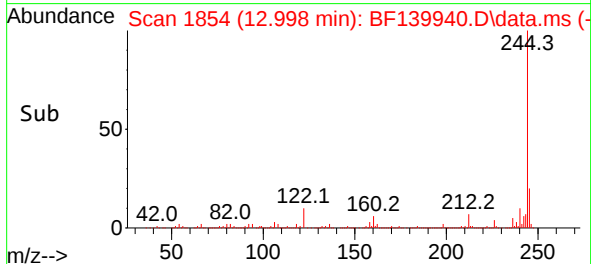
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



Tgt Ion:244 Resp: 119638
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.0 8.6 13.0

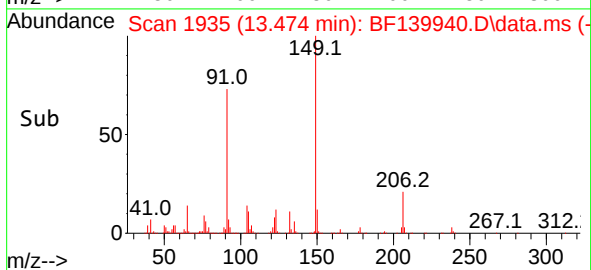
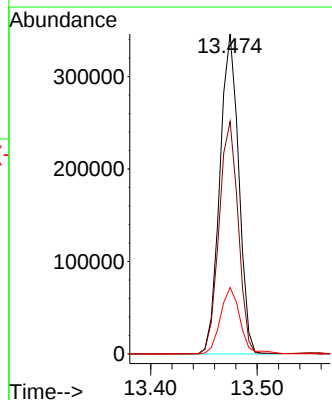
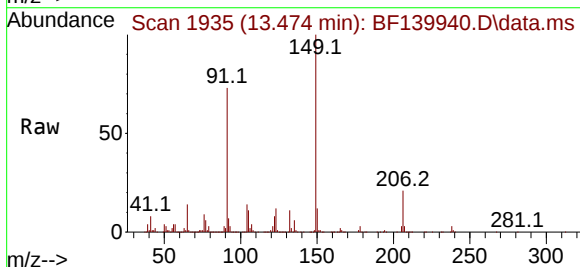
Manual Integrations
APPROVED

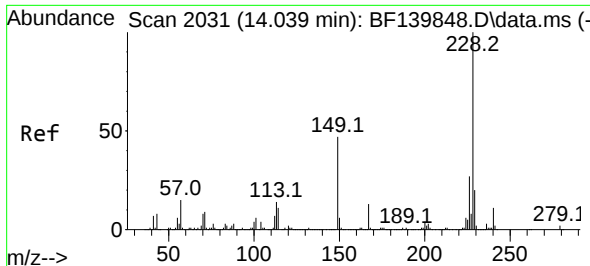
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#80
Butylbenzylphthalate
Concen: 55.419 ng
RT: 13.474 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

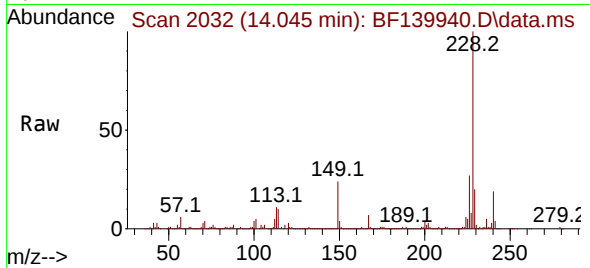
Tgt Ion:149 Resp: 425522
Ion Ratio Lower Upper
149 100
91 72.6 59.4 89.2
206 20.8 16.4 24.6





#81
Benzo(a)anthracene
Concen: 52.495 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

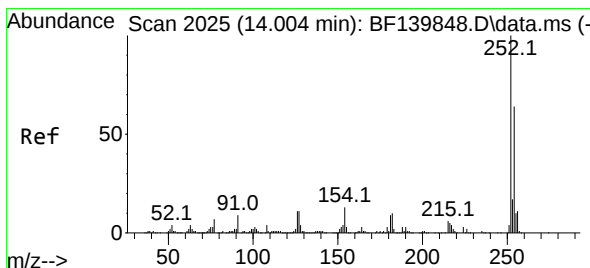
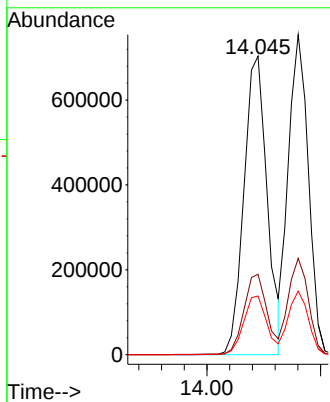
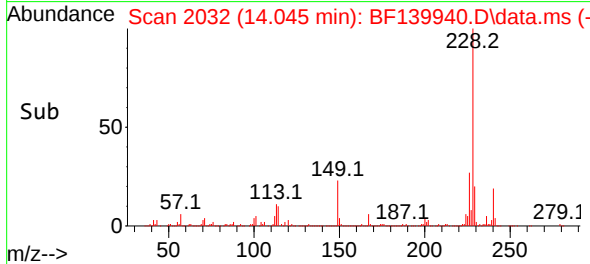
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



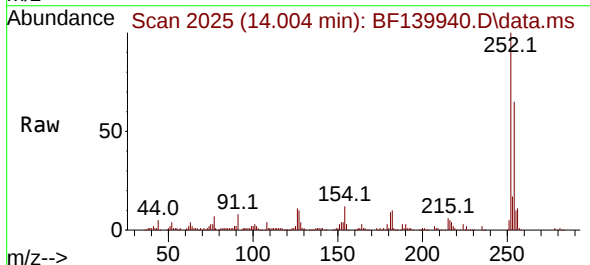
Tgt Ion:228 Resp: 999850
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.7 16.1 24.1

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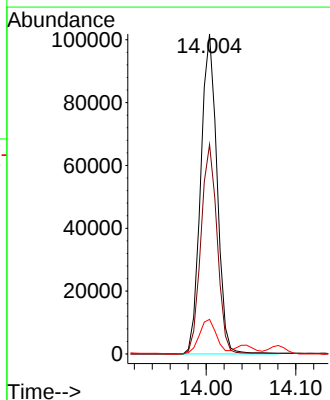
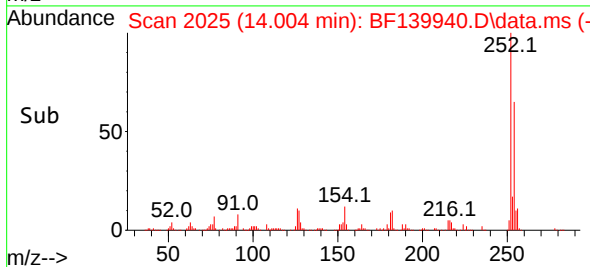
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#82
3,3'-Dichlorobenzidine
Concen: 23.133 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion:252 Resp: 128467
Ion Ratio Lower Upper
252 100
254 65.4 50.8 76.2
126 10.8 8.9 13.3





#83

Chrysene

Concen: 52.672 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139940.D

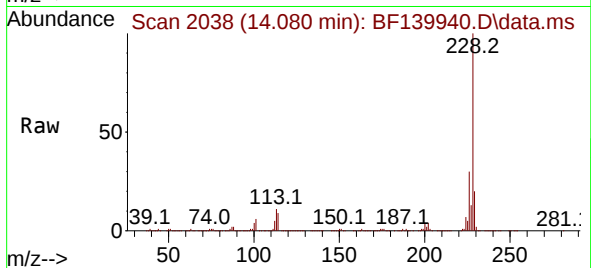
Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS



Tgt Ion:228 Resp: 919829

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

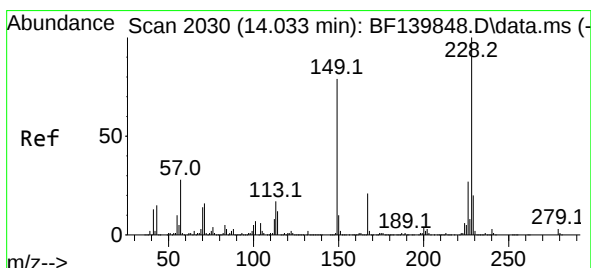
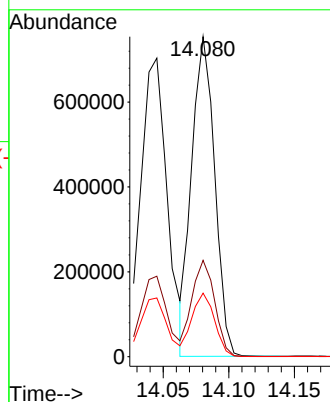
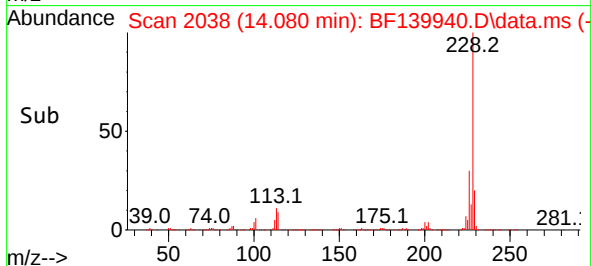
229 19.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024

Supervised By :mohammad ahmed 10/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.593 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

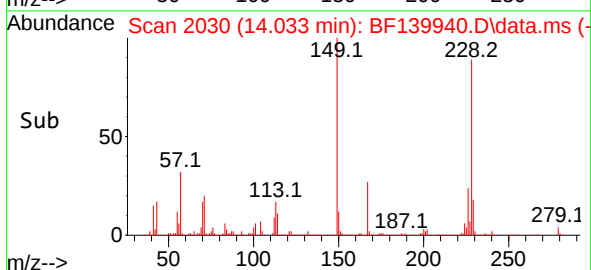
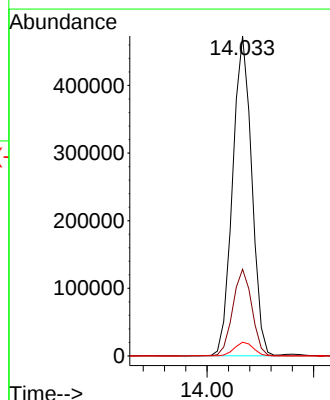
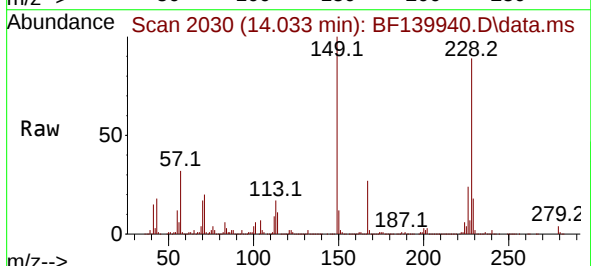
Tgt Ion:149 Resp: 590904

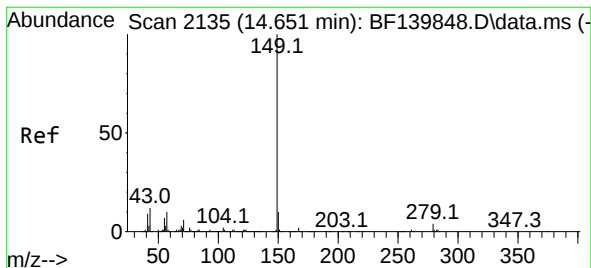
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 4.3 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 72.355 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

Tgt Ion:149 Resp: 1133729

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

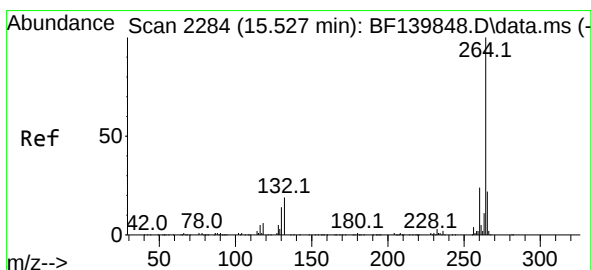
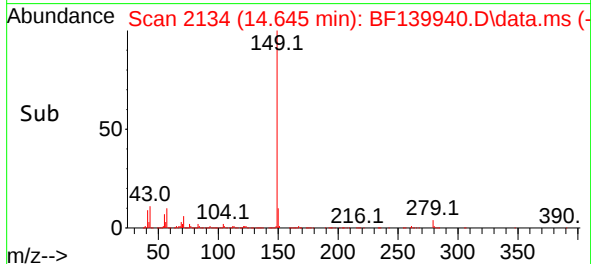
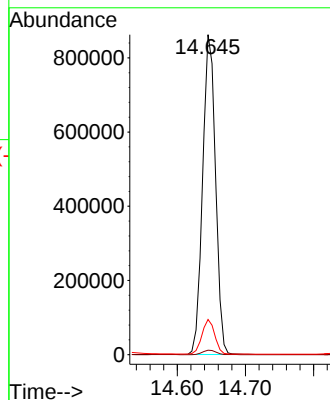
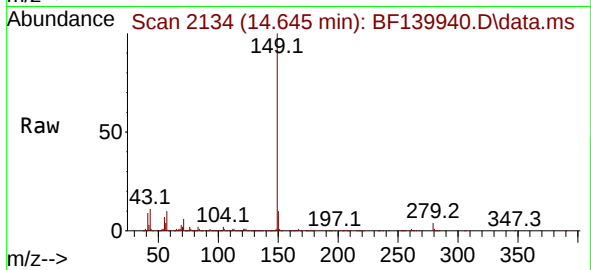
43 10.8 9.8 14.6

Manual Integrations

APPROVED

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: BF139940.D

Acq: 22 Oct 2024 20:51

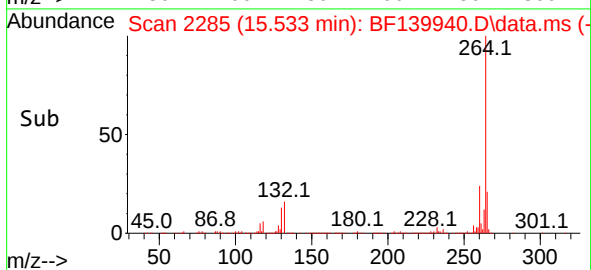
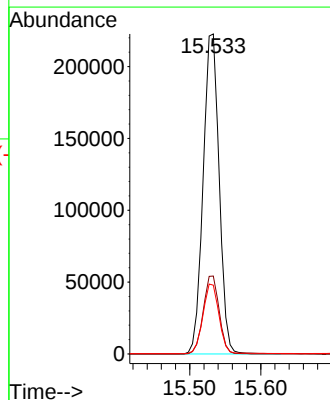
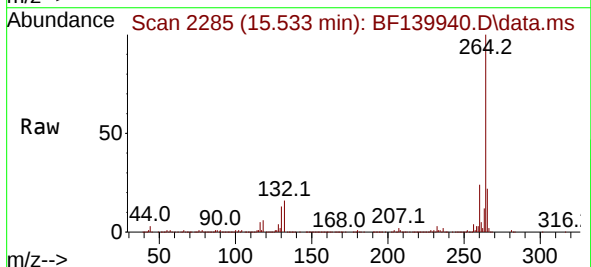
Tgt Ion:264 Resp: 350468

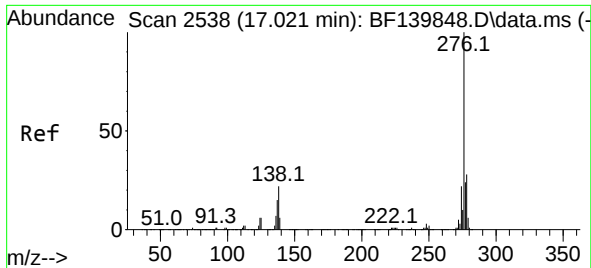
Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

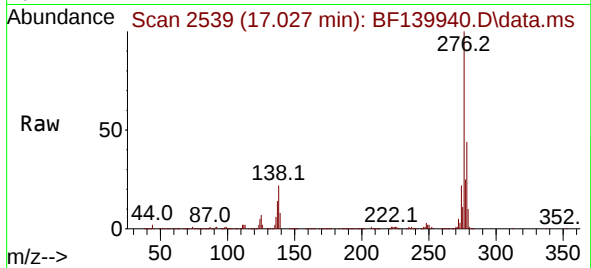
265 21.5 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.262 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51

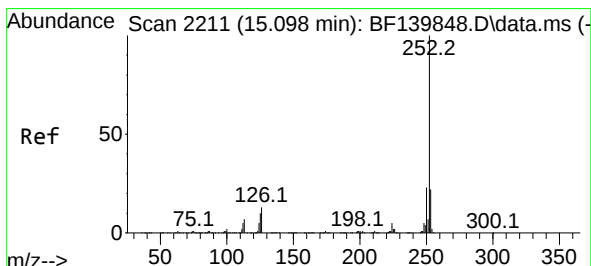
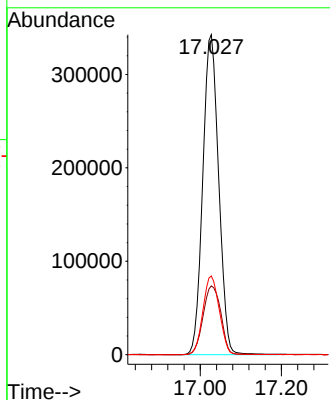
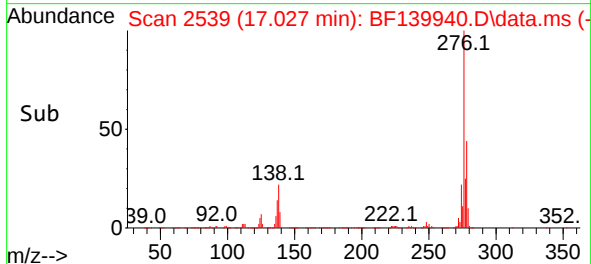
Instrument :
BNA_F
ClientSampleId :
Hawthorne TP SoilMS



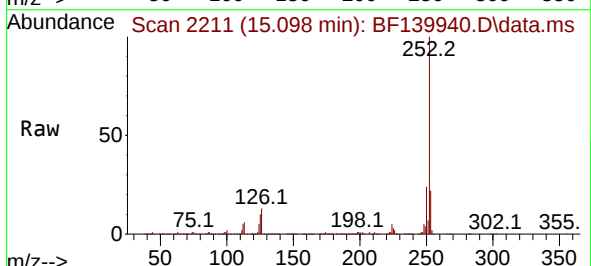
Tgt Ion:276 Resp: 930308
Ion Ratio Lower Upper
276 100
138 24.0 20.4 30.6
277 25.4 20.2 30.4

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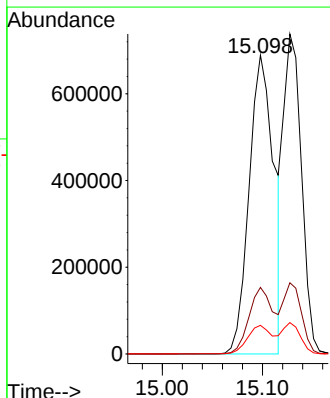
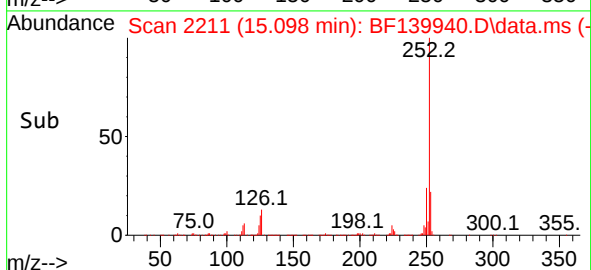
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

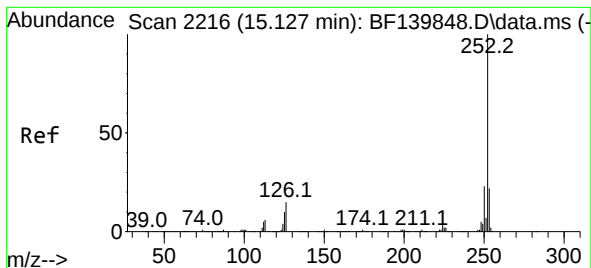


#88
Benzo(b)fluoranthene
Concen: 55.360 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139940.D
Acq: 22 Oct 2024 20:51



Tgt Ion:252 Resp: 1181879
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.6 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 49.932 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

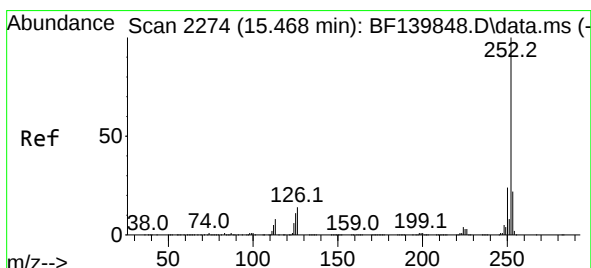
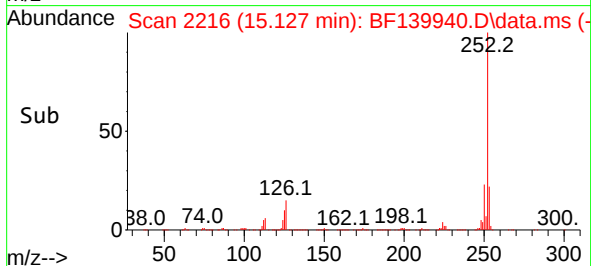
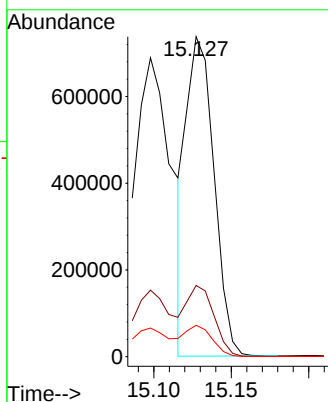
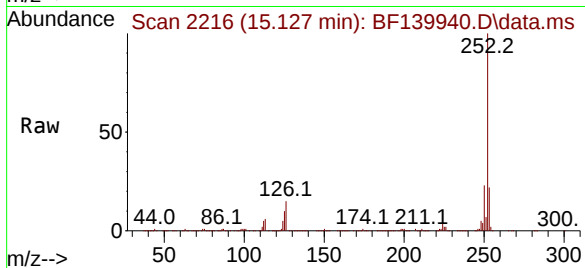
Tgt Ion:252 Resp: 91934

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.8	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: 57.047 ng

RT: 15.468 min Scan# 2274

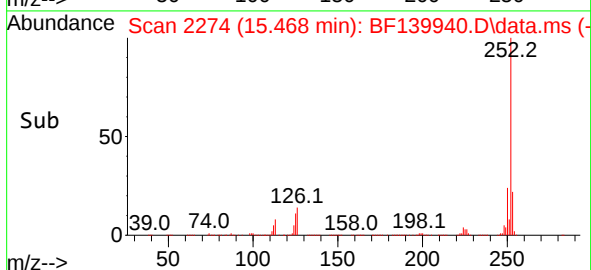
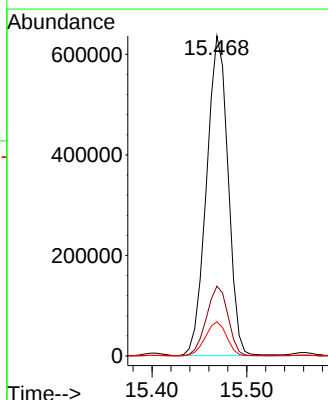
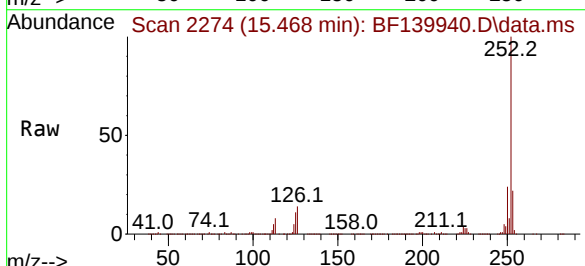
Delta R.T. 0.000 min

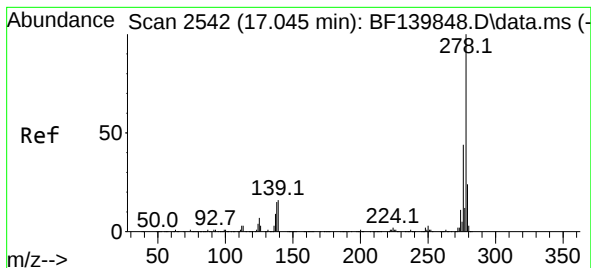
Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Tgt Ion:252 Resp: 1002123

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	10.7	8.7	13.1





#91

Dibenzo(a,h)anthracene

Concen: 41.190 ng

RT: 17.045 min Scan# 2542

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Instrument :

BNA_F

ClientSampleId :

Hawthorne TP SoilMS

Tgt Ion:278 Resp: 774735

Ion Ratio Lower Upper

278 100

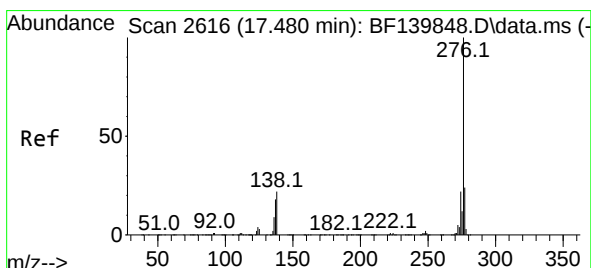
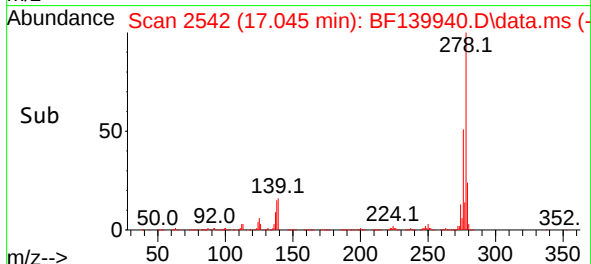
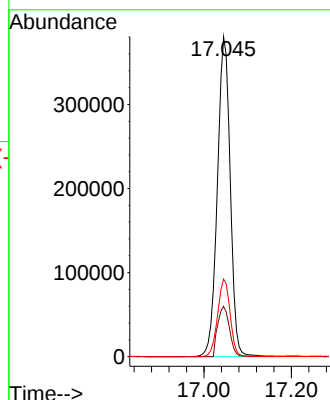
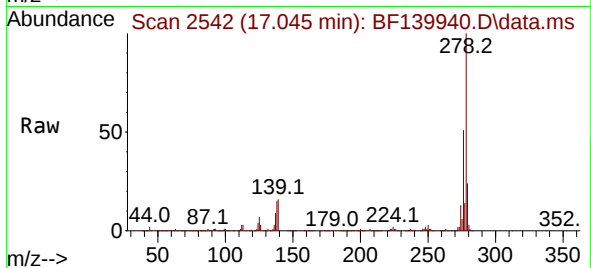
139 15.7 13.1 19.7

279 24.2 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: 34.390 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.000 min

Lab File: BF139940.D

Acq: 22 Oct 2024 20:51

Tgt Ion:276 Resp: 646110

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 20.7 17.4 26.0

