

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141571.D
 Acq On : 11 Feb 2025 19:19
 Operator : RC/JU
 Sample : Q1346-01MSD 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 12 00:06:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	83772	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	328052	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	164070	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	249795	20.000	ng	0.00
76) Chrysene-d12	13.951	240	197334	20.000	ng	-0.01
86) Perylene-d12	15.404	264	207858	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	283348	53.027	ng	0.00
7) Phenol-d6	6.434	99	349516	51.752	ng	0.00
23) Nitrobenzene-d5	7.346	82	232412	36.952	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	81187	49.259	ng	-0.02
45) 2-Fluorobiphenyl	9.140	172	376098	35.316	ng	-0.01
79) Terphenyl-d14	12.892	244	314813	26.932	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.516	88	49007	22.787	ng	99
3) Pyridine	3.246	79	102768	20.081	ng	99
4) n-Nitrosodimethylamine	3.187	42	71076	20.975	ng	98
6) Aniline	6.446	93	3835m	0.605	ng	
8) 2-Chlorophenol	6.581	128	129132	22.365	ng	99
9) Benzaldehyde	6.334	77	68047	18.960	ng	98
10) Phenol	6.446	94	150950	21.474	ng	# 77
11) bis(2-Chloroethyl)ether	6.516	93	208981	39.581	ng	88
12) 1,3-Dichlorobenzene	6.728	146	140599	23.066	ng	97
13) 1,4-Dichlorobenzene	6.804	146	139673	22.427	ng	99
14) 1,2-Dichlorobenzene	6.957	146	132997	23.009	ng	98
15) Benzyl Alcohol	6.934	79	103519	19.988	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	199591	22.084	ng	74
17) 2-Methylphenol	7.051	107	97850	21.656	ng	95
18) Hexachloroethane	7.298	117	50975	22.116	ng	97
19) n-Nitroso-di-n-propyla...	7.193	70	89752	22.217	ng	100
20) 3+4-Methylphenols	7.210	107	132251	23.031	ng	# 61
22) Acetophenone	7.193	105	200139	24.525	ng	92
24) Nitrobenzene	7.369	77	131831	21.495	ng	98
25) Isophorone	7.604	82	231068	23.041	ng	100
26) 2-Nitrophenol	7.687	139	65611	21.502	ng	93
27) 2,4-Dimethylphenol	7.728	122	100640	28.233	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	147555	22.962	ng	98
29) 2,4-Dichlorophenol	7.940	162	104751	21.749	ng	98
30) 1,2,4-Trichlorobenzene	8.010	180	115553	22.032	ng	100
31) Naphthalene	8.087	128	380551	22.285	ng	100
32) Benzoic acid	7.834	122	68982	18.631	ng	99
33) 4-Chloroaniline	8.157	127	48852	8.194	ng	99
34) Hexachlorobutadiene	8.204	225	70833	22.496	ng	100
35) Caprolactam	8.492	113	34157	23.293	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	114348	21.433	ng	99
37) 2-Methylnaphthalene	8.781	142	238216	21.437	ng	100
38) 1-Methylnaphthalene	8.881	142	231718	21.530	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	126679	26.688	ng	98
41) Hexachlorocyclopentadiene	8.934	237	75410	47.764	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	70825	23.086	ng	100

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

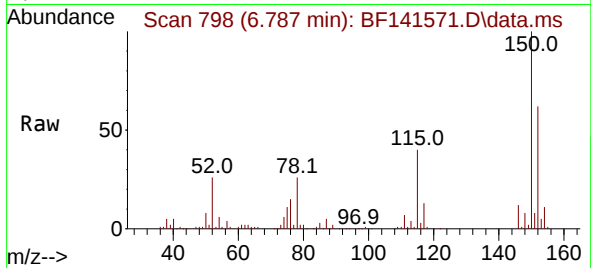
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	75800	22.798	ng	98
46) 1,1'-Biphenyl	9.245	154	339368	26.680	ng	100
47) 2-Chloronaphthalene	9.269	162	224338	23.850	ng	98
48) 2-Nitroaniline	9.369	65	71507	22.652	ng	96
49) Acenaphthylene	9.681	152	346346	24.756	ng	99
50) Dimethylphthalate	9.539	163	262095	23.531	ng	99
51) 2,6-Dinitrotoluene	9.604	165	55607	22.837	ng	98
52) Acenaphthene	9.851	154	233848	24.863	ng	99
53) 3-Nitroaniline	9.775	138	33342	12.723	ng	99
54) 2,4-Dinitrophenol	9.886	184	41372	28.589	ng	99
55) Dibenzofuran	10.028	168	323124	23.405	ng	100
56) 4-Nitrophenol	9.951	139	79341	40.783	ng	97
57) 2,4-Dinitrotoluene	10.010	165	72995	22.519	ng	95
58) Fluorene	10.369	166	256220	24.003	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	57687	20.153	ng	97
60) Diethylphthalate	10.239	149	253426	23.125	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	120532	23.471	ng	97
62) 4-Nitroaniline	10.386	138	43410	16.313	ng	98
63) Azobenzene	10.522	77	267509	24.555	ng	91
65) 4,6-Dinitro-2-methylph...	10.422	198	27822	16.034	ng	98
66) n-Nitrosodiphenylamine	10.481	169	201833	25.241	ng	99
67) 4-Bromophenyl-phenylether	10.851	248	69330	24.834	ng	98
68) Hexachlorobenzene	10.916	284	70275	24.445	ng	98
69) Atrazine	11.010	200	74213	30.937	ng	98
70) Pentachlorophenol	11.116	266	70505	38.356	ng	99
71) Phenanthrene	11.333	178	580759	42.237	ng	100
72) Anthracene	11.381	178	403967	29.226	ng	100
73) Carbazole	11.539	167	301075	24.208	ng	100
74) Di-n-butylphthalate	11.869	149	360369	25.094	ng	100
75) Fluoranthene	12.522	202	669711	45.941	ng	100
77) Benzidine	12.645	184	104380	23.984	ng	99
78) Pyrene	12.751	202	635519	37.832	ng	100
80) Butylbenzylphthalate	13.369	149	136266	23.419	ng	99
81) Benzo(a)anthracene	13.939	228	499542	38.082	ng	99
82) 3,3'-Dichlorobenzidine	13.904	252	86661	23.063	ng	99
83) Chrysene	13.974	228	445397	36.773	ng	99
84) Bis(2-ethylhexyl)phtha...	13.927	149	186270	28.385	ng	100
85) Di-n-octyl phthalate	14.545	149	315092	33.657	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.839	276	320232	24.934	ng	99
88) Benzo(b)fluoranthene	14.986	252	485432	34.781	ng	99
89) Benzo(k)fluoranthene	15.010	252	373059m	31.303	ng	
90) Benzo(a)pyrene	15.345	252	409943	36.300	ng	99
91) Dibenzo(a,h)anthracene	16.851	278	229023	22.007	ng	99
92) Benzo(g,h,i)perylene	17.274	276	236150	21.684	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

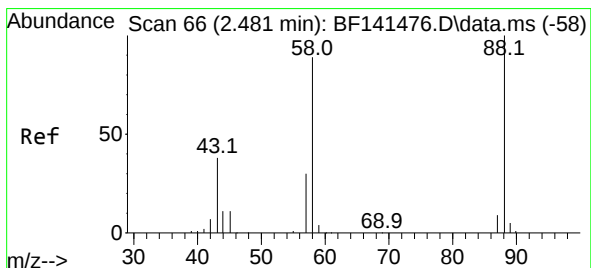
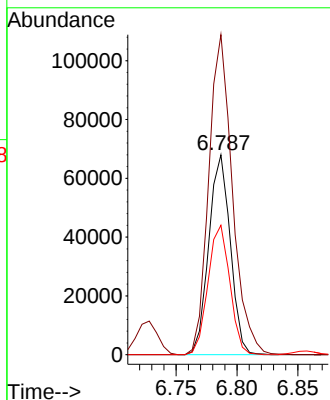
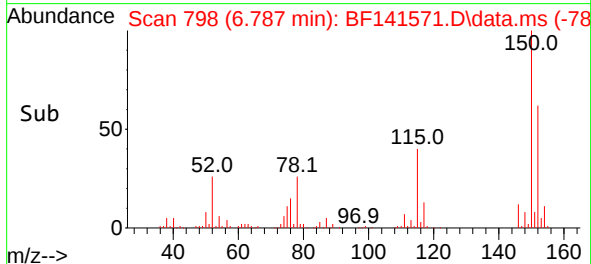
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



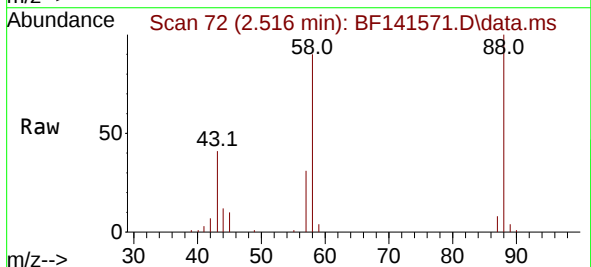
Tgt Ion:152 Resp: 83772
Ion Ratio Lower Upper
152 100
150 160.1 125.0 187.4
115 64.8 53.6 80.4

Manual Integrations
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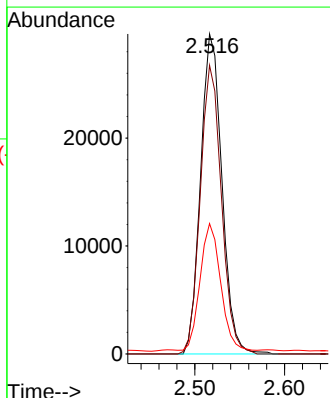
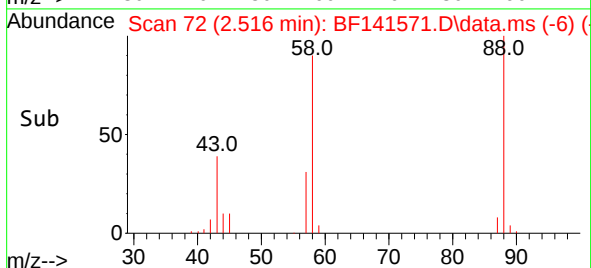
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

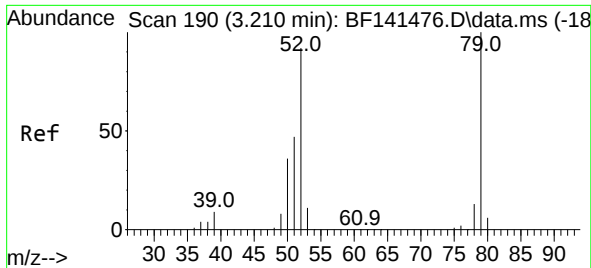


#2
1,4-Dioxane
Concen: 22.787 ng
RT: 2.516 min Scan# 72
Delta R.T. 0.036 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion: 88 Resp: 49007
Ion Ratio Lower Upper
88 100
58 89.5 71.1 106.7
43 37.9 30.6 46.0





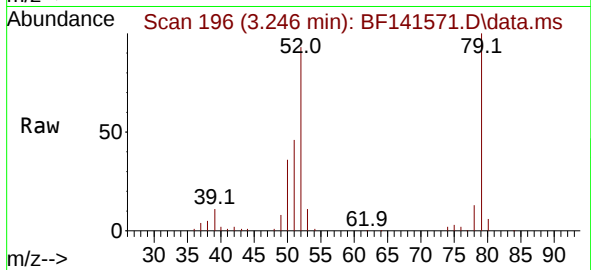
#3
Pyridine
Concen: 20.081 ng
RT: 3.246 min Scan# 190
Delta R.T. 0.030 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

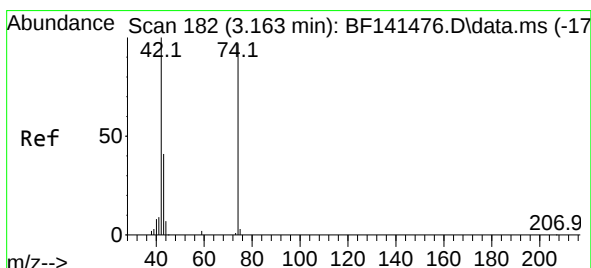
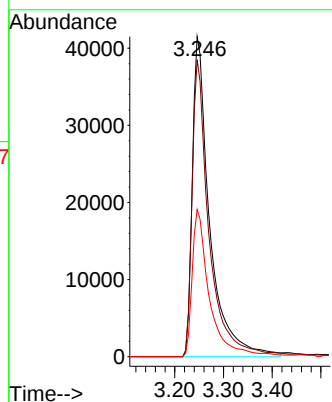
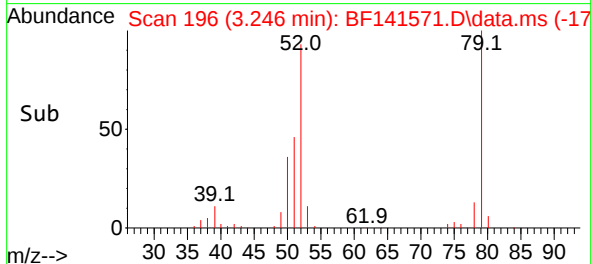


Tgt Ion: 79 Resp: 102768
Ion Ratio Lower Upper
79 100
52 92.8 73.7 110.5
51 46.0 37.5 56.3

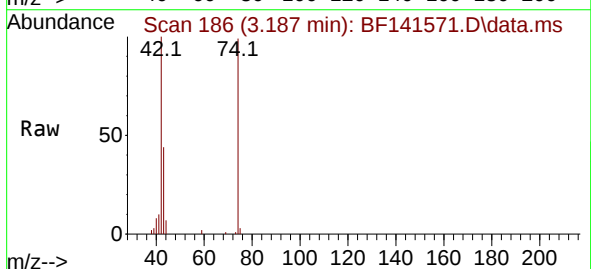
Manual Integrations

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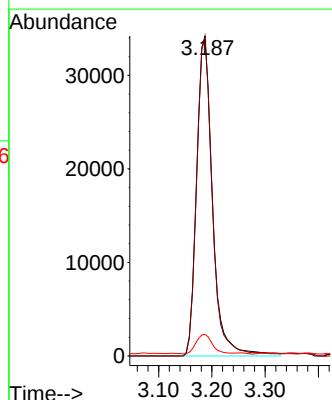
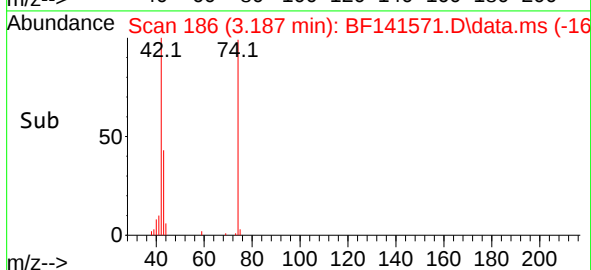
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#4
n-Nitrosodimethylamine
Concen: 20.975 ng
RT: 3.187 min Scan# 186
Delta R.T. 0.000 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion: 42 Resp: 71076
Ion Ratio Lower Upper
42 100
74 99.3 78.0 117.0
44 6.7 5.4 8.2





#5
2-Fluorophenol
Concen: 53.027 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

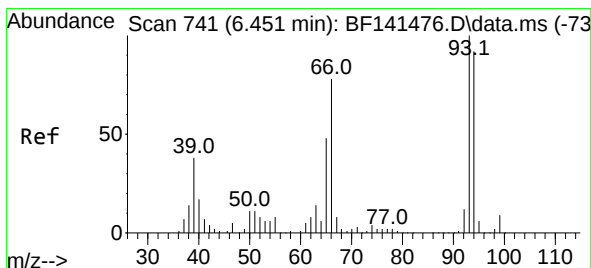
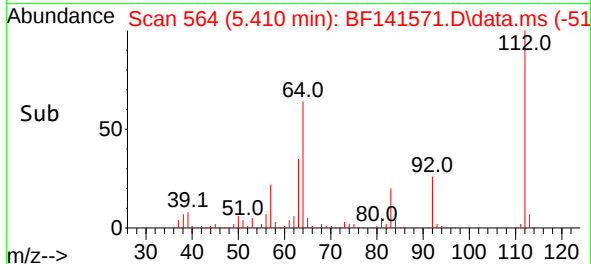
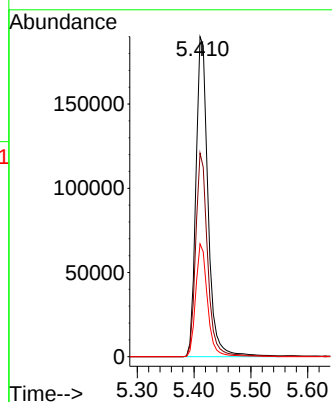
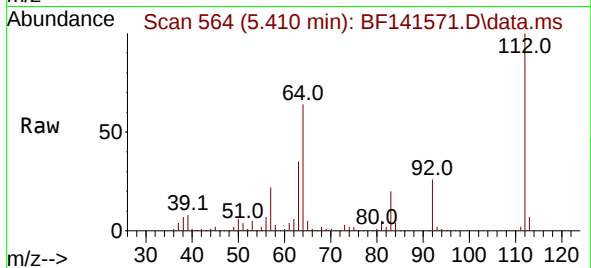
SOIL-COMPMSD

Tgt Ion:112 Resp: 28334
Ion Ratio Lower Upper
112 100
64 63.6 51.1 76.7
63 35.3 28.4 42.6

Manual Integrations

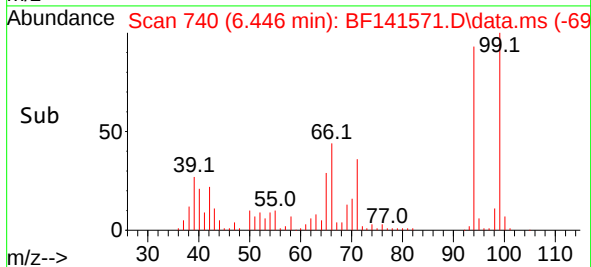
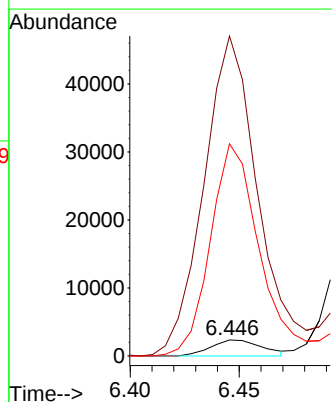
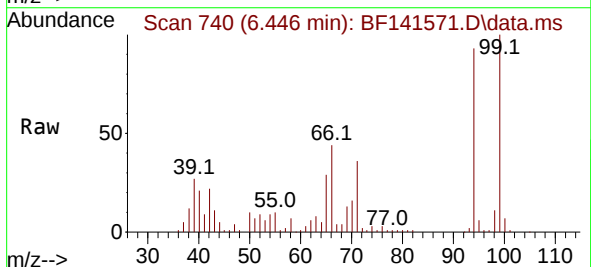
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#6
Aniline
Concen: 0.605 ng m
RT: 6.446 min Scan# 740
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

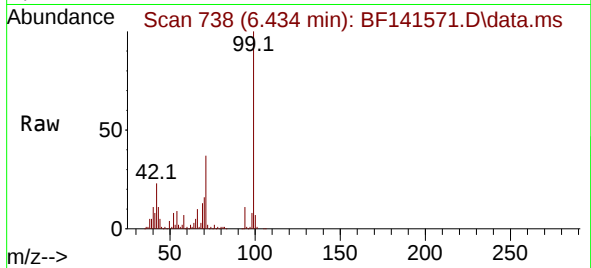
Tgt Ion: 93 Resp: 3835
Ion Ratio Lower Upper
93 100
66 2007.0 62.6 94.0#
65 1330.8 38.3 57.5#





#7
Phenol-d6
Concen: 51.752 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

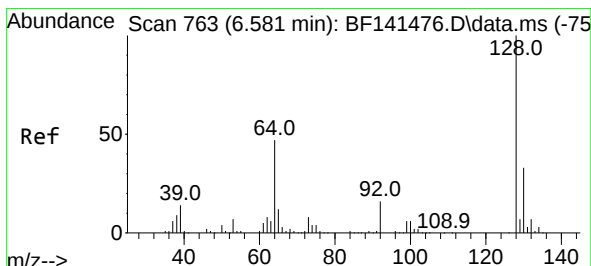
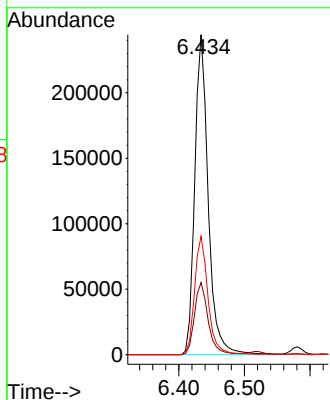
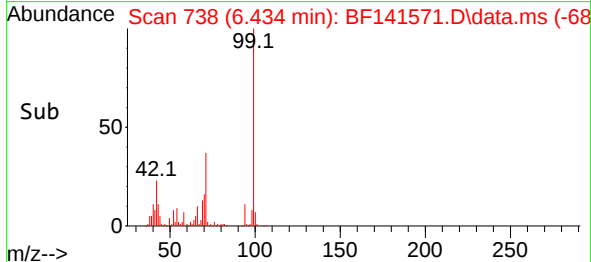
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ClientSampleId :
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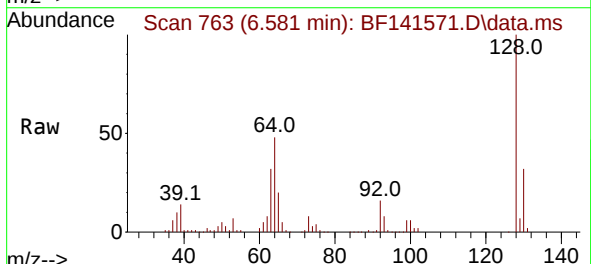
Tgt Ion: 99 Resp: 349510
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 37.0 31.1 46.7

Manual Integrations
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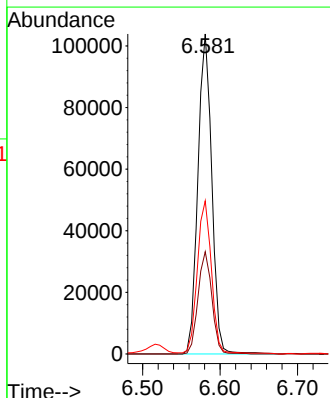
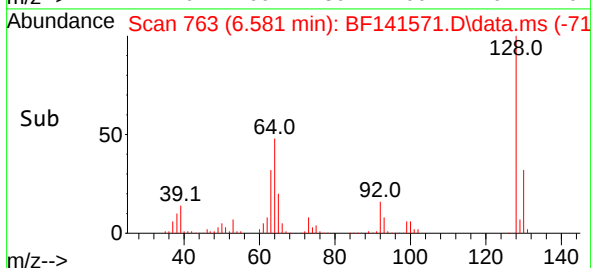
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#8
2-Chlorophenol
Concen: 22.365 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



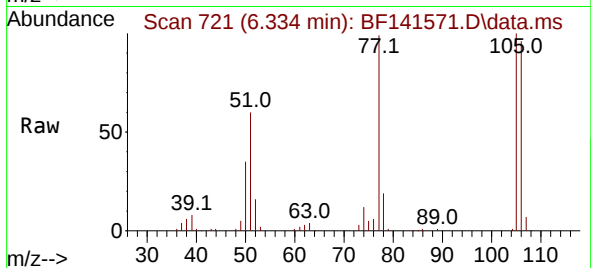
Tgt Ion:128 Resp: 129132
Ion Ratio Lower Upper
128 100
130 31.9 12.7 52.7
64 47.9 28.3 68.3





#9
Benzaldehyde
Concen: 18.960 ng
RT: 6.334 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

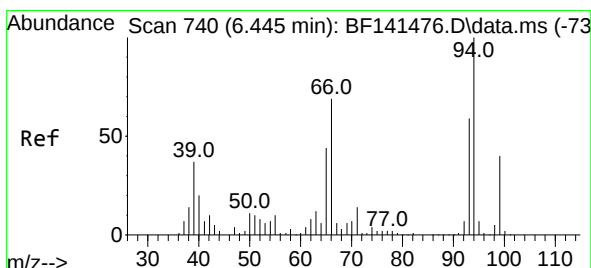
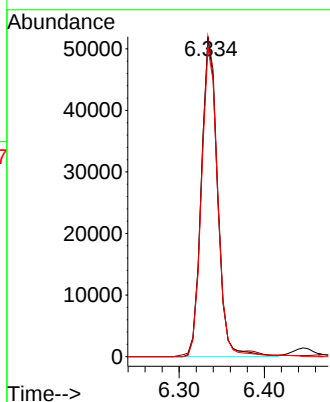
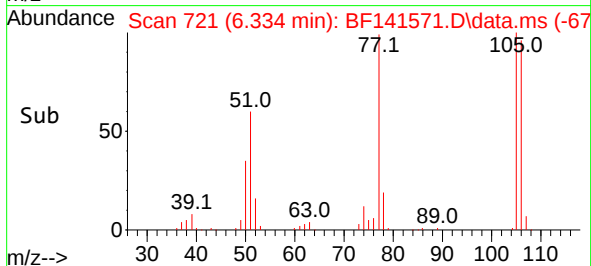
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion: 77 Resp: 6804
Ion Ratio Lower Upper
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105 100.6 79.4 119.4
106 97.1 75.1 115.1

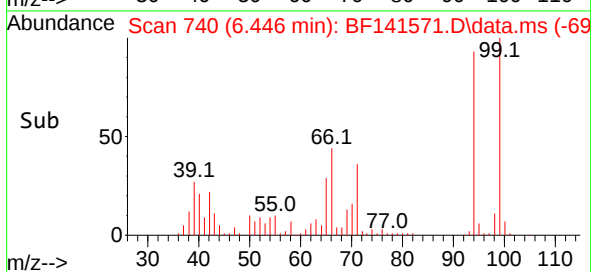
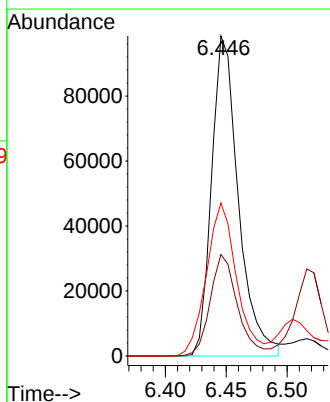
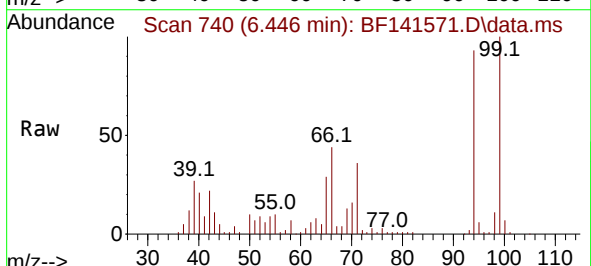
Manual Integrations
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#10
Phenol
Concen: 21.474 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

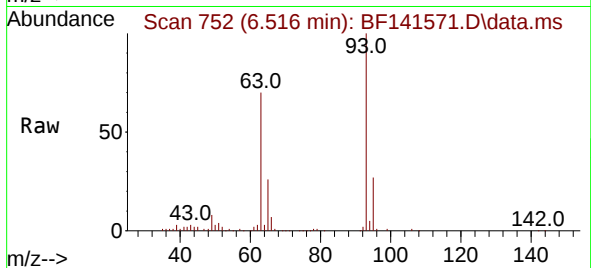
Tgt Ion: 94 Resp: 150950
Ion Ratio Lower Upper
94 100
65 31.7 23.7 63.7
66 47.8 49.3 89.3#





#11
bis(2-Chloroethyl)ether
Concen: 39.581 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

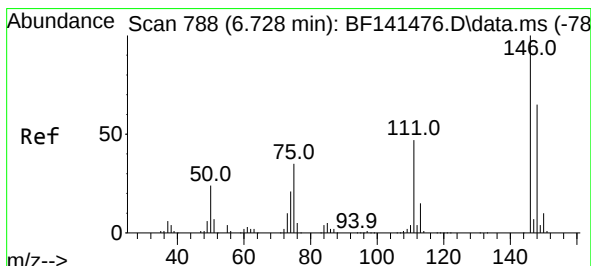
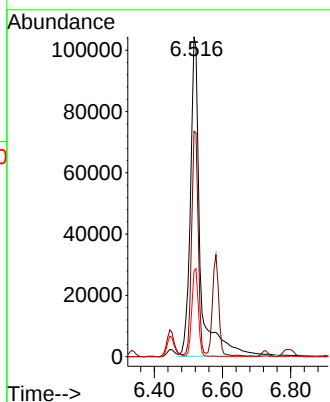
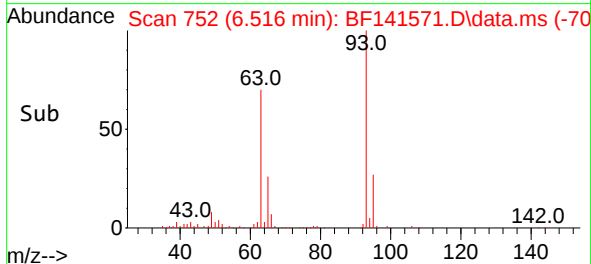
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion: 93 Resp: 20898
Ion Ratio Lower Upper
93 100
63 70.4 62.0 102.0
95 26.8 12.6 52.6

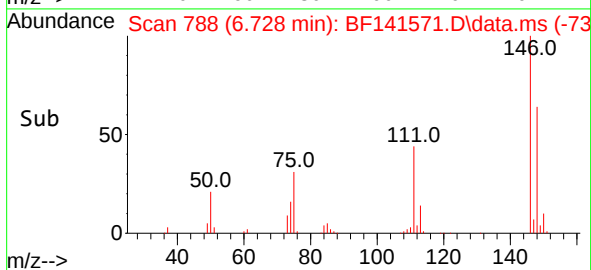
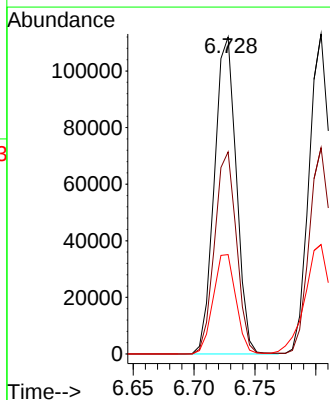
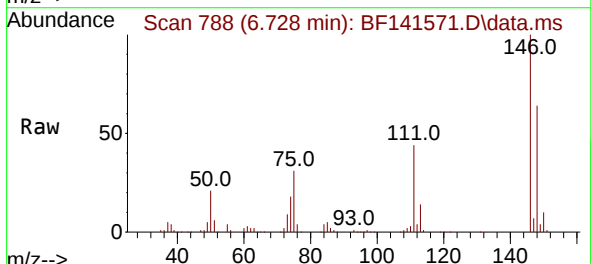
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#12
1,3-Dichlorobenzene
Concen: 23.066 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:146 Resp: 140599
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
75 31.4 28.2 42.2





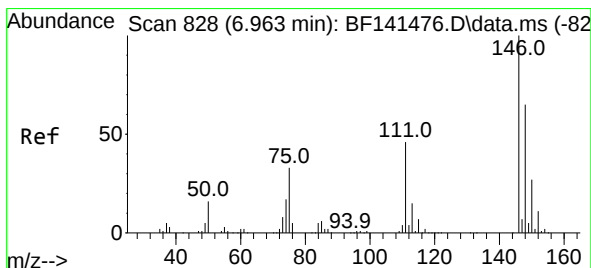
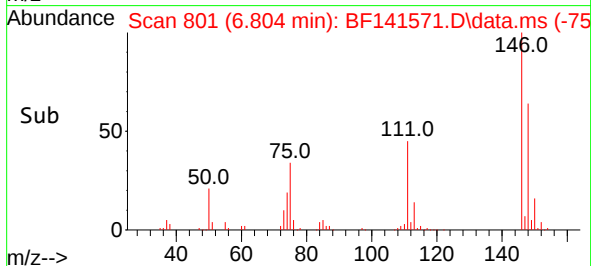
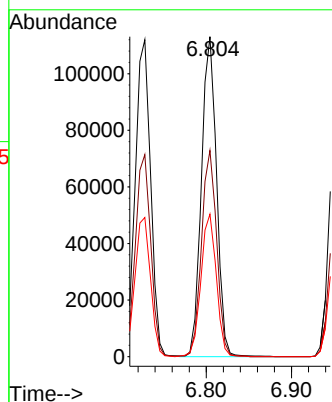
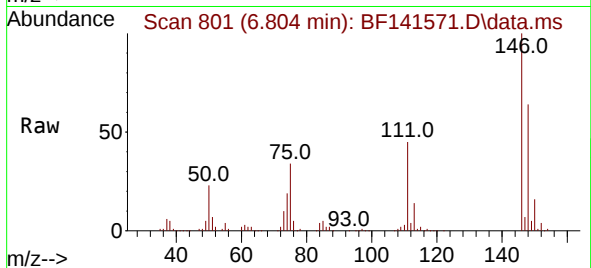
#13
1,4-Dichlorobenzene
Concen: 22.427 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:146 Resp: 13967
Ion Ratio Lower Upper
146 100
148 64.4 50.9 76.3
111 44.6 35.9 53.9

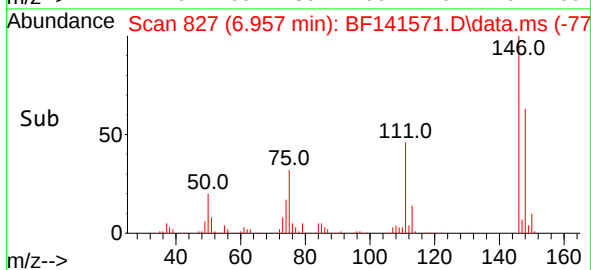
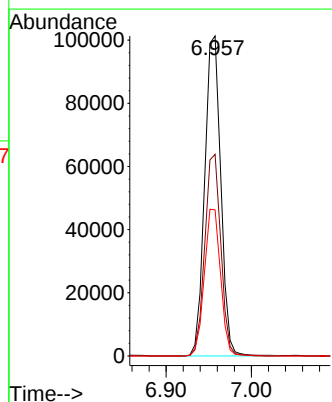
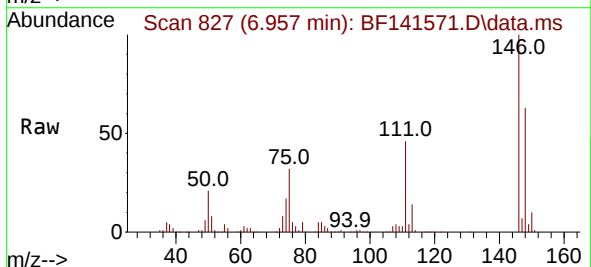
Manual Integrations
APPROVED

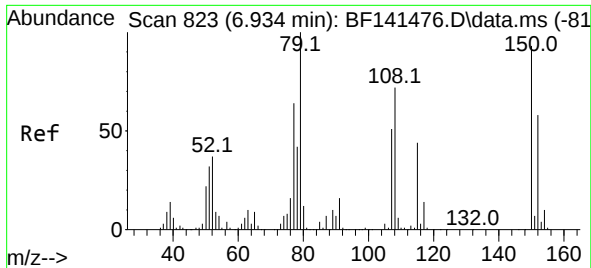
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#14
1,2-Dichlorobenzene
Concen: 23.009 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

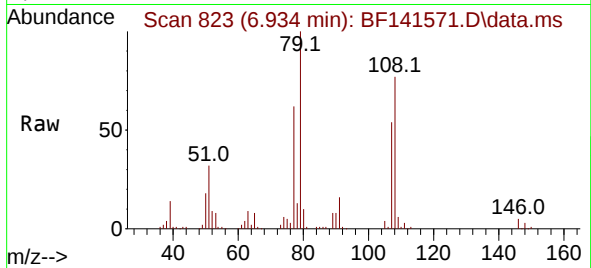
Tgt Ion:146 Resp: 132997
Ion Ratio Lower Upper
146 100
148 63.0 51.8 77.6
111 45.6 37.0 55.4





#15
Benzyl Alcohol
Concen: 19.988 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

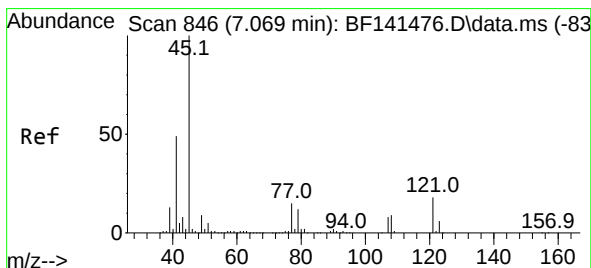
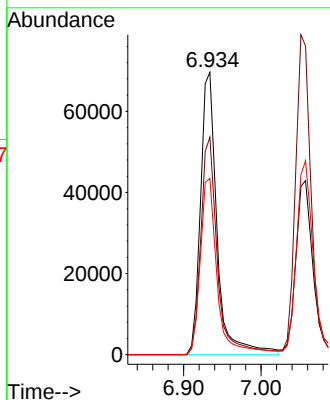
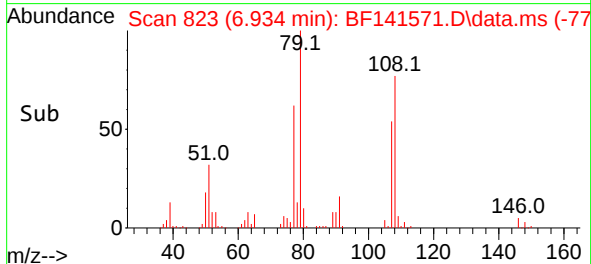
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion: 79 Resp: 103519
Ion Ratio Lower Upper
79 100
108 77.0 57.4 86.2
77 62.4 50.9 76.3

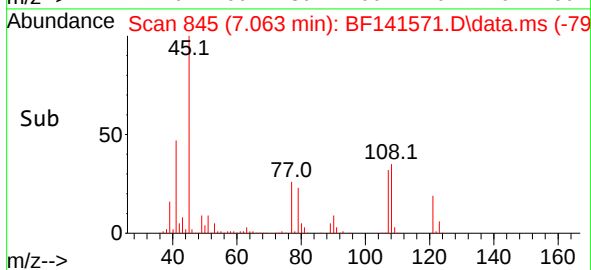
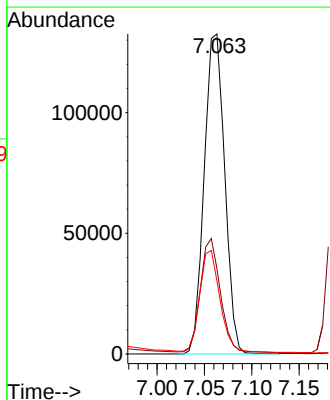
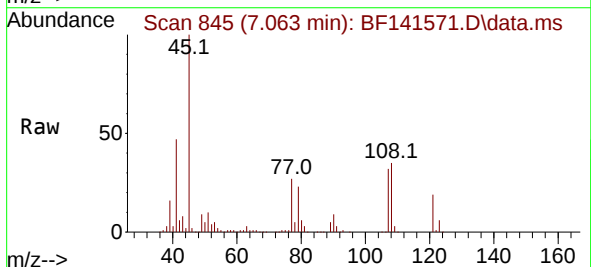
Manual Integrations
APPROVED

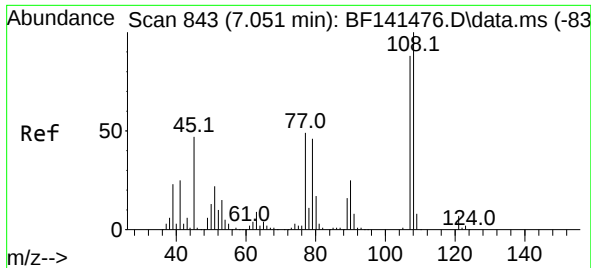
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.084 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion: 45 Resp: 199591
Ion Ratio Lower Upper
45 100
77 26.7 0.0 35.8
79 22.9 0.0 32.7





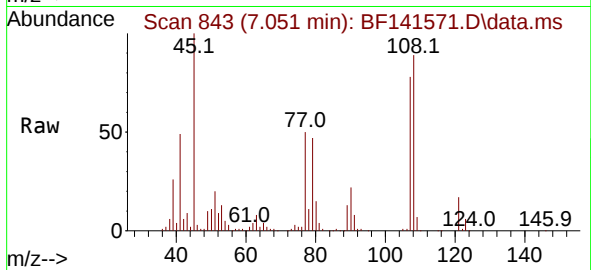
#17
2-Methylphenol
Concen: 21.656 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

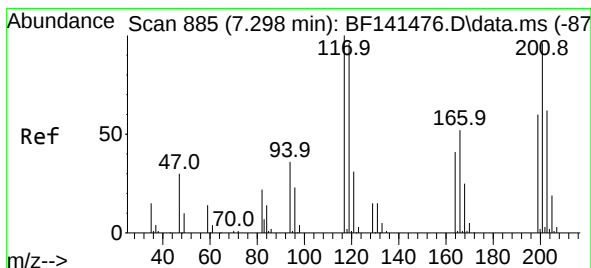
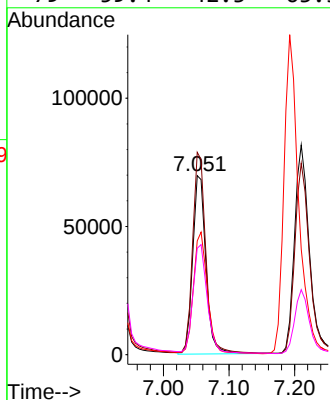
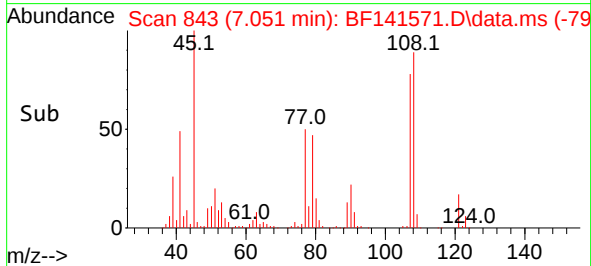


Tgt Ion:107 Resp: 97850
Ion Ratio Lower Upper
107 100
108 113.0 90.6 136.0
77 63.5 44.4 66.6
79 59.4 42.3 63.5

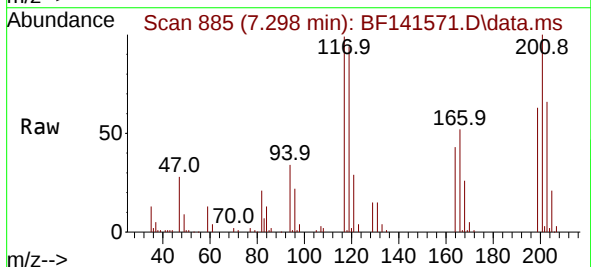
Manual Integrations

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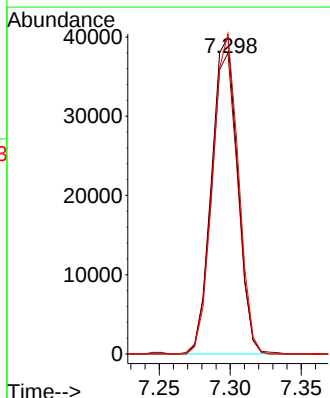
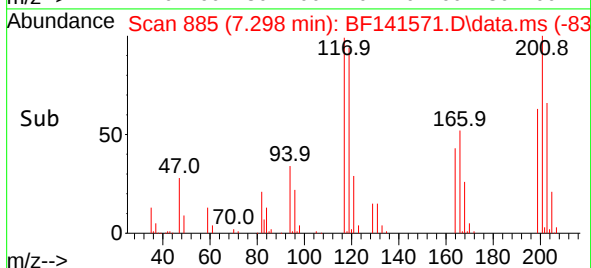
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

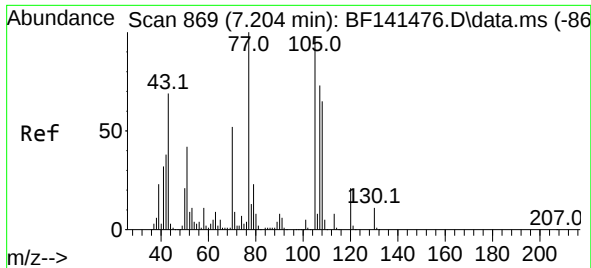


#18
Hexachloroethane
Concen: 22.116 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



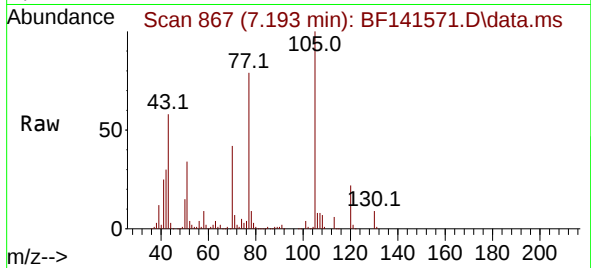
Tgt Ion:117 Resp: 50975
Ion Ratio Lower Upper
117 100
119 95.0 76.5 114.7
201 101.0 76.7 115.1





#19
n-Nitroso-di-n-propylamine
Concen: 22.217 ng
RT: 7.193 min Scan# 80
Delta R.T. -0.023 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

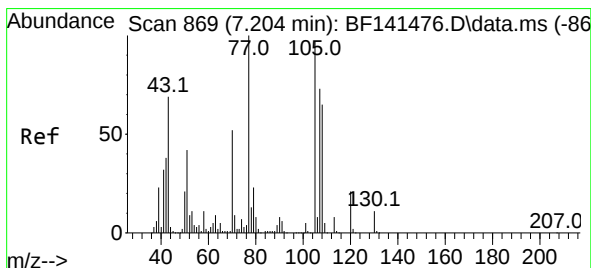
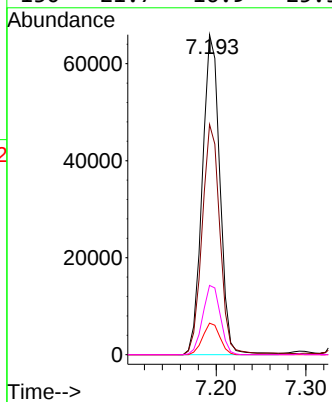
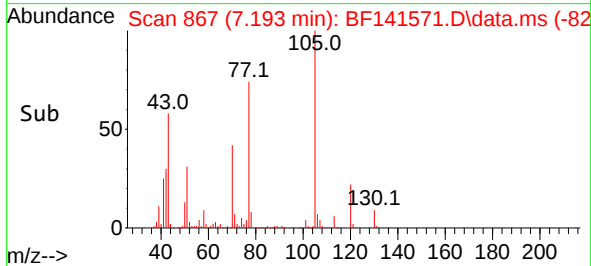
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



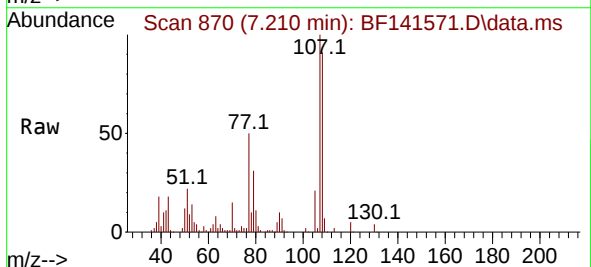
Tgt Ion: 70 Resp: 89752
Ion Ratio Lower Upper
70 100
42 72.0 57.4 86.2
101 9.9 8.0 12.0
130 21.7 16.9 25.3

Manual Integrations
APPROVED

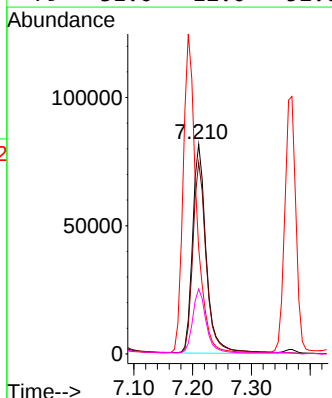
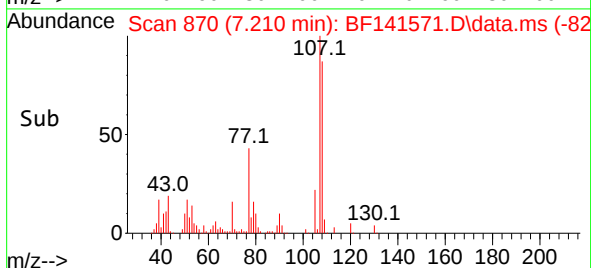
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

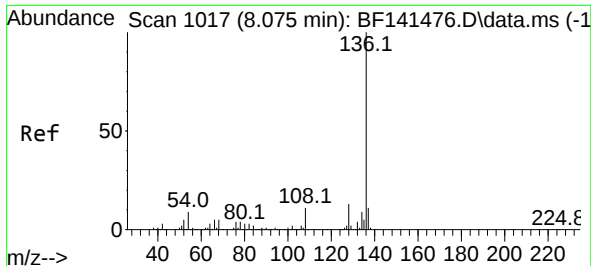


#20
3+4-Methylphenols
Concen: 23.031 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:107 Resp: 132251
Ion Ratio Lower Upper
107 100
108 91.3 68.5 108.5
77 50.3 116.5 156.5#
79 31.0 12.0 52.0





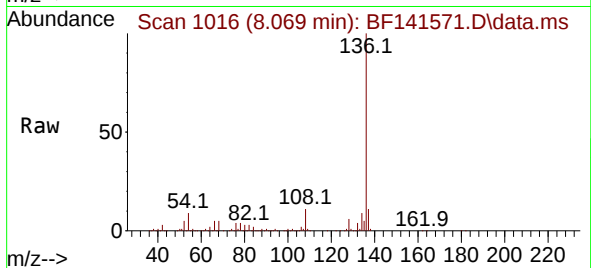
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

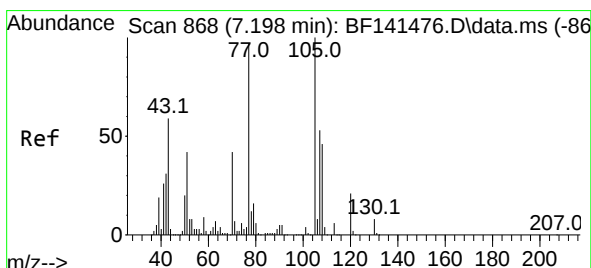
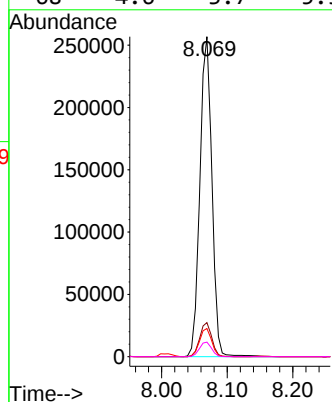
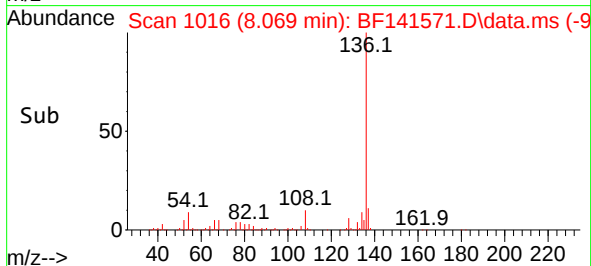


Tgt Ion:136 Resp: 328052
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.8 7.2 10.8
68 4.6 3.7 5.5

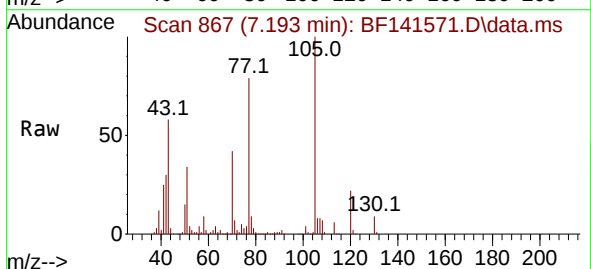
Manual Integrations

APPROVED

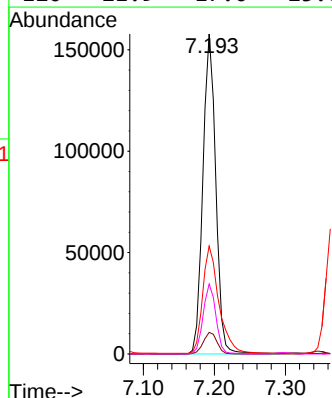
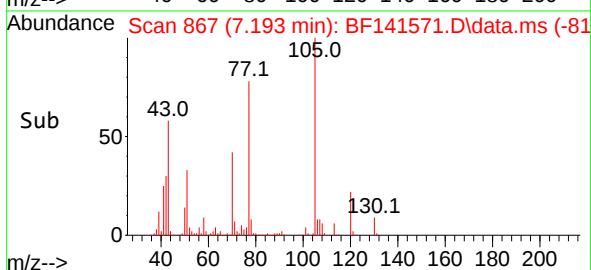
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

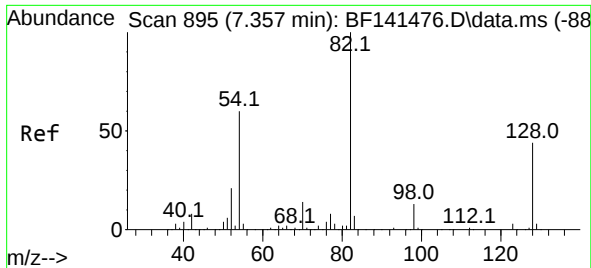


#22
Acetophenone
Concen: 24.525 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:105 Resp: 200139
Ion Ratio Lower Upper
105 100
71 6.8 5.7 8.5
51 33.8 33.7 50.5
120 21.9 17.0 25.6





#23
Nitrobenzene-d5
Concen: 36.952 ng
RT: 7.346 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

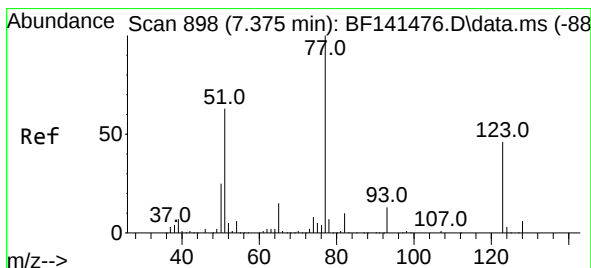
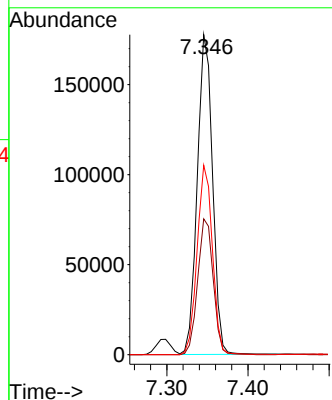
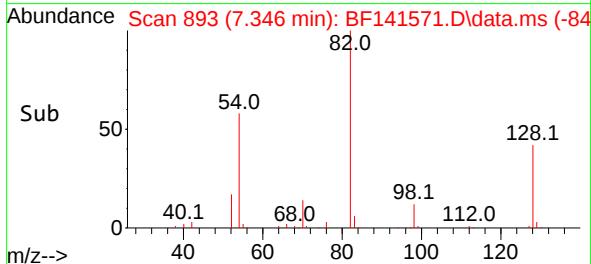
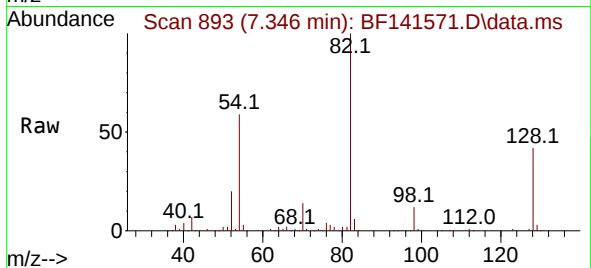
SOIL-COMPMSD

Tgt Ion: 82 Resp: 23241
Ion Ratio Lower Upper
82 100
128 42.4 34.8 52.2
54 59.2 48.2 72.4

Manual Integrations

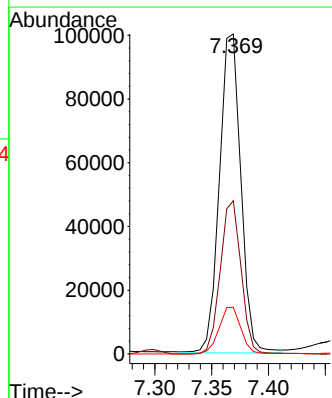
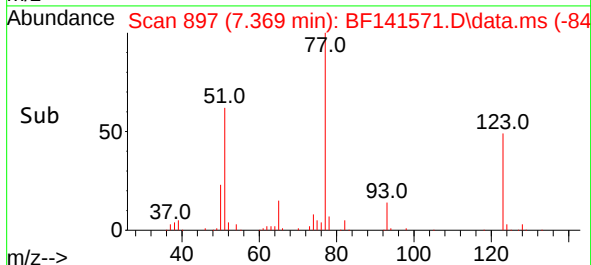
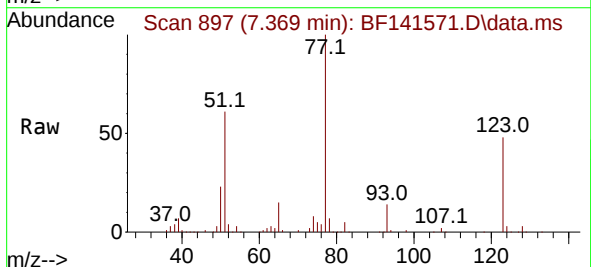
APPROVED

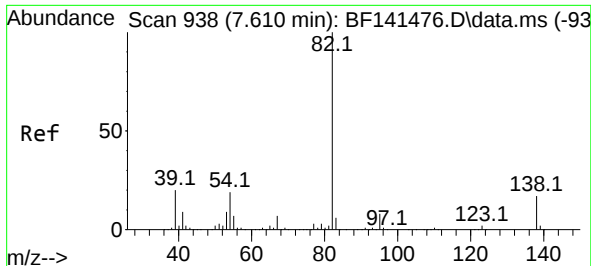
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#24
Nitrobenzene
Concen: 21.495 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

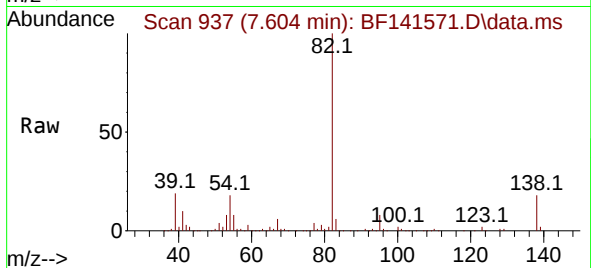
Tgt Ion: 77 Resp: 131831
Ion Ratio Lower Upper
77 100
123 47.9 36.9 55.3
65 14.6 11.9 17.9





#25
Isophorone
Concen: 23.041 ng
RT: 7.604 min Scan# 910
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

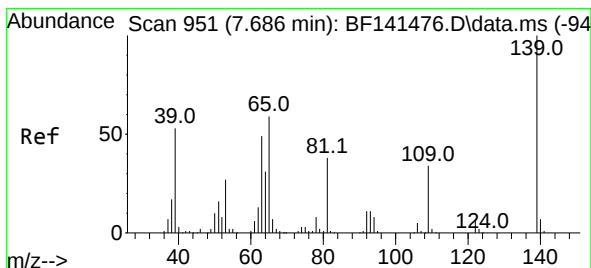
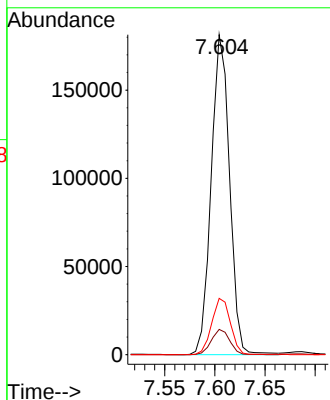
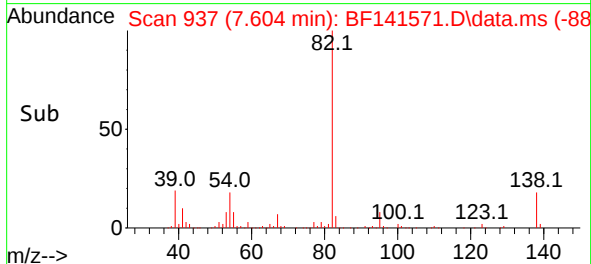
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



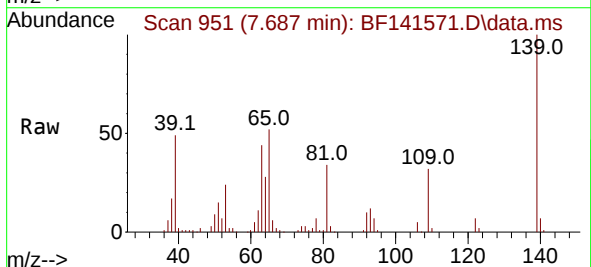
Tgt Ion: 82 Resp: 231068
Ion Ratio Lower Upper
82 100
95 7.9 6.4 9.6
138 17.6 13.9 20.9

Manual Integrations
APPROVED

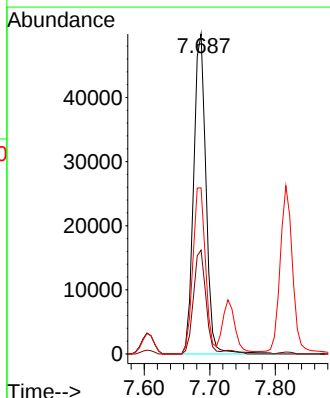
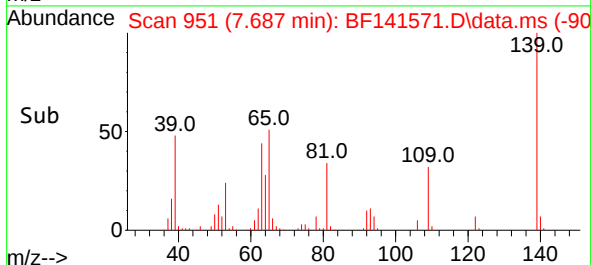
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#26
2-Nitrophenol
Concen: 21.502 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



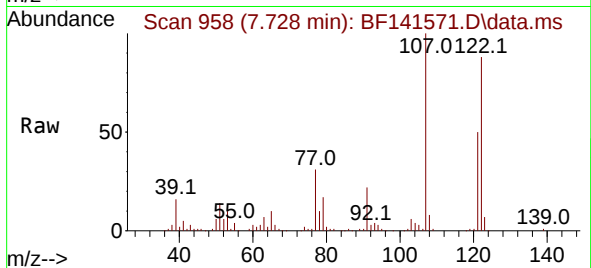
Tgt Ion:139 Resp: 65611
Ion Ratio Lower Upper
139 100
109 32.4 27.0 40.6
65 51.9 47.1 70.7





#27
2,4-Dimethylphenol
Concen: 28.233 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

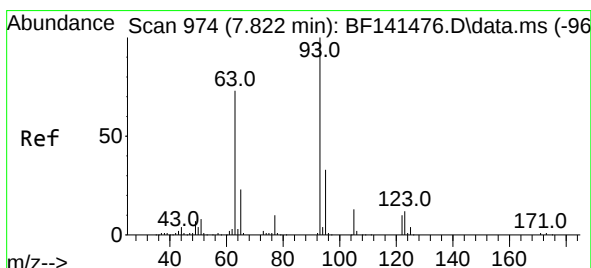
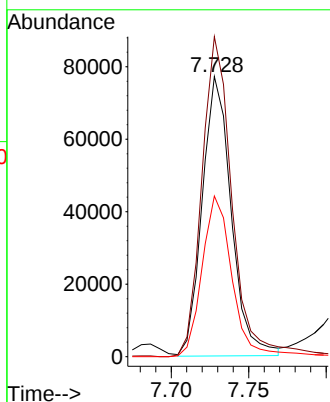
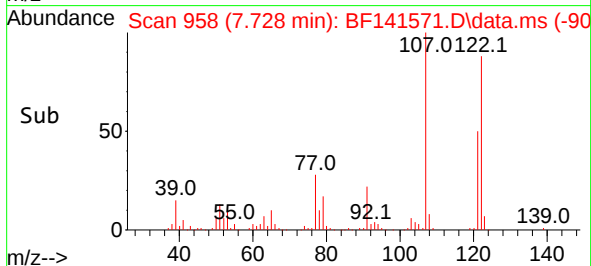
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



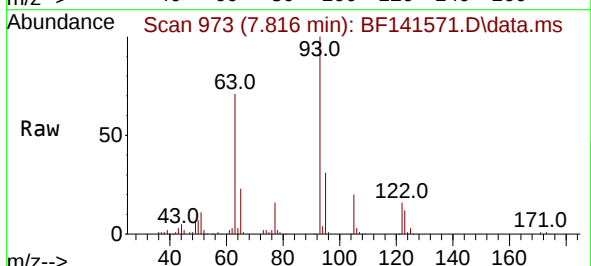
Tgt Ion:122 Resp: 100640
Ion Ratio Lower Upper
122 100
107 114.2 94.3 141.5
121 57.3 46.0 69.0

Manual Integrations
APPROVED

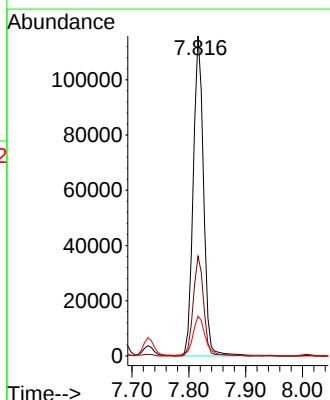
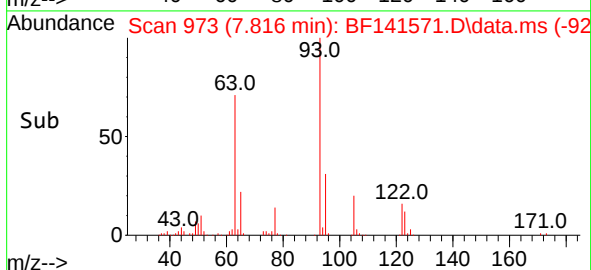
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#28
bis(2-Chloroethoxy)methane
Concen: 22.962 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion: 93 Resp: 147555
Ion Ratio Lower Upper
93 100
95 31.2 26.1 39.1
123 12.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 21.749 ng

RT: 7.940 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF141571.D

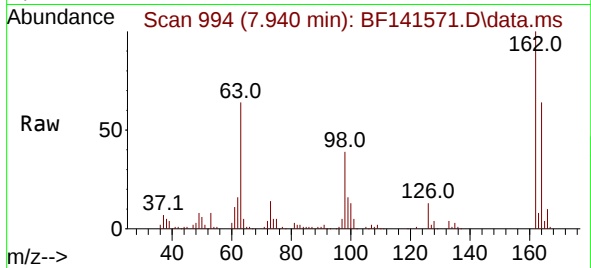
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



Tgt Ion:162 Resp: 10475

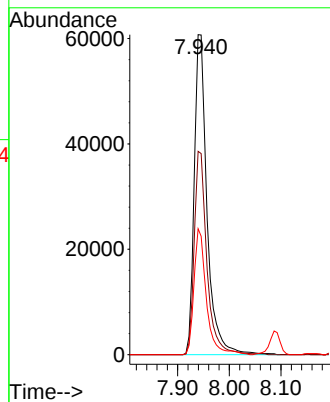
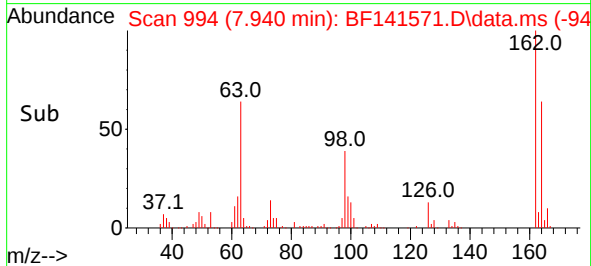
Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.6	84.6
98	39.3	17.2	57.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#30

1,2,4-Trichlorobenzene

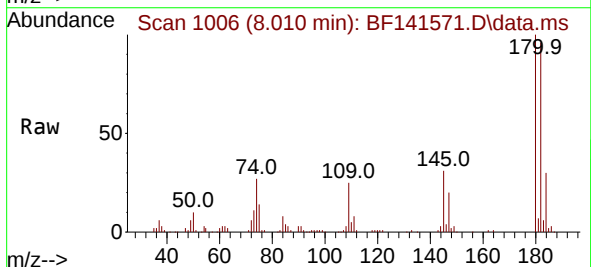
Concen: 22.032 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

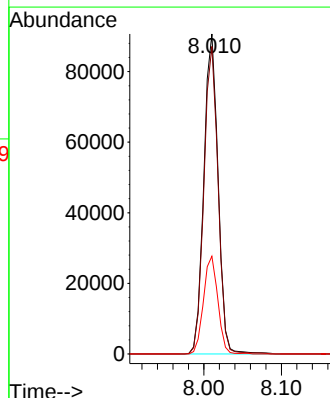
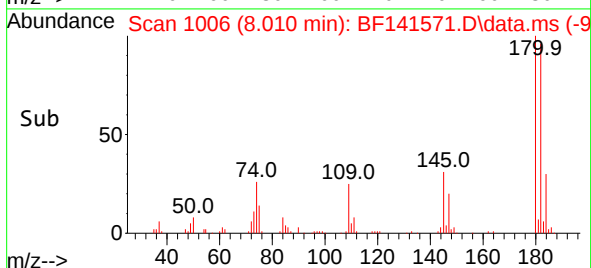
Lab File: BF141571.D

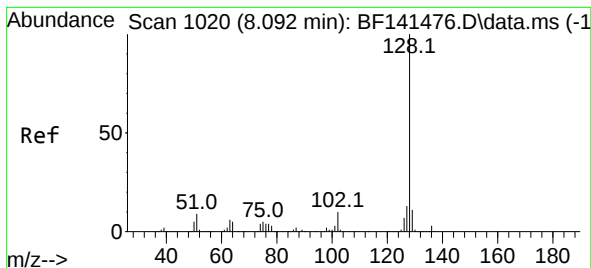
Acq: 11 Feb 2025 19:19



Tgt Ion:180 Resp: 115553

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	30.6	24.2	36.4





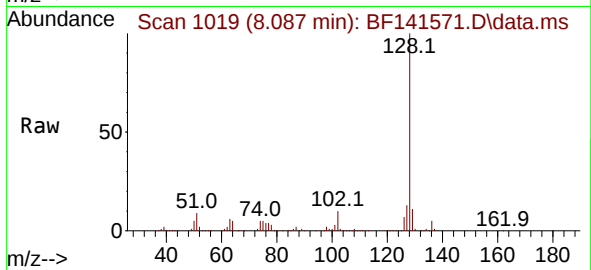
#31
Naphthalene
Concen: 22.285 ng
RT: 8.087 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



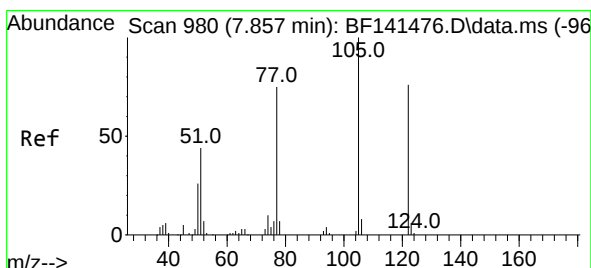
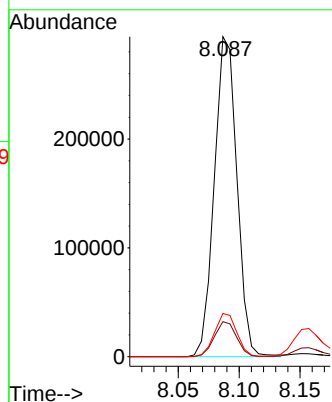
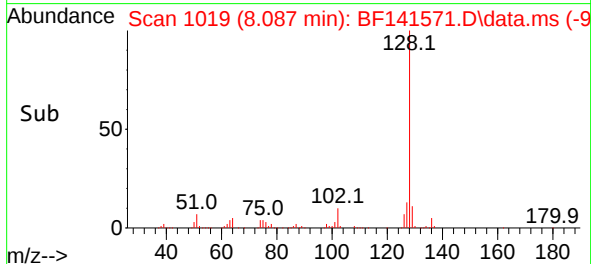
Tgt Ion:128 Resp: 38055
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.5 10.7 16.1

Manual Integrations

APPROVED

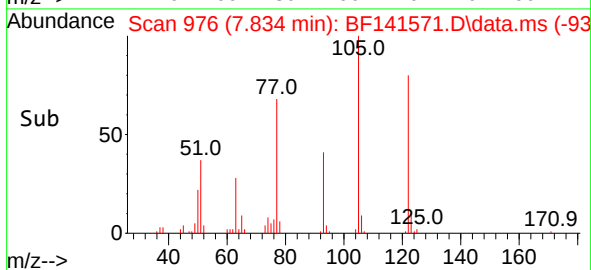
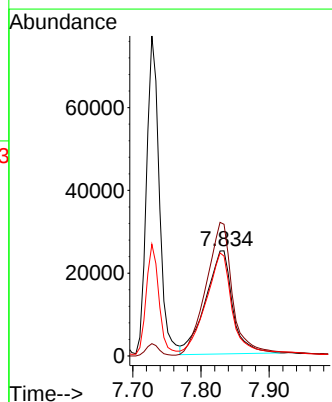
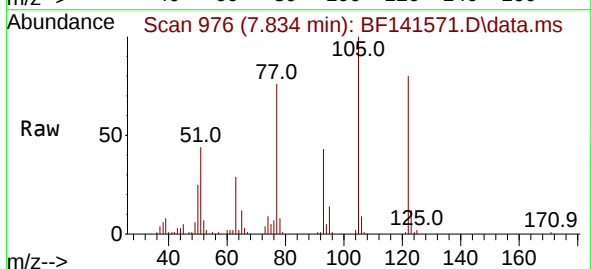
Reviewed By :Yogesh Patel 02/12/2025

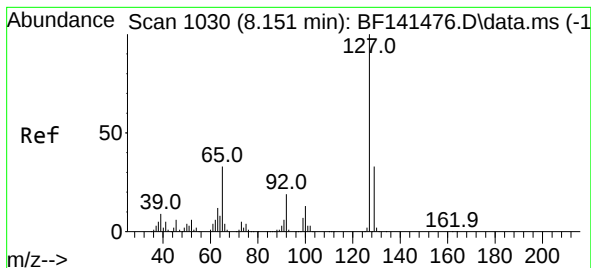
Supervised By :mohammad ahmed 02/12/2025



#32
Benzoic acid
Concen: 18.631 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.059 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

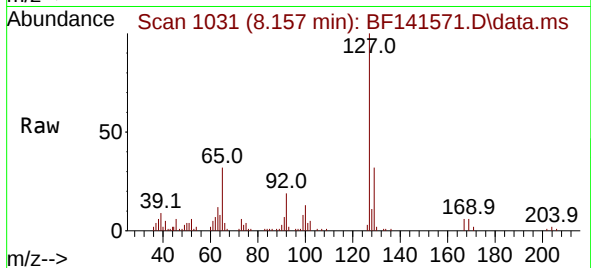
Tgt Ion:122 Resp: 68982
Ion Ratio Lower Upper
122 100
105 125.3 106.5 146.5
77 94.9 76.3 116.3





#33
4-Chloroaniline
Concen: 8.194 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

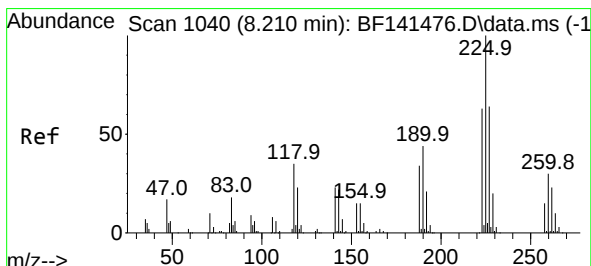
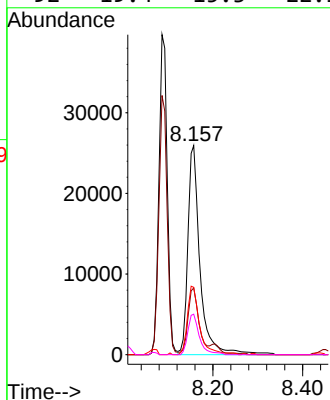
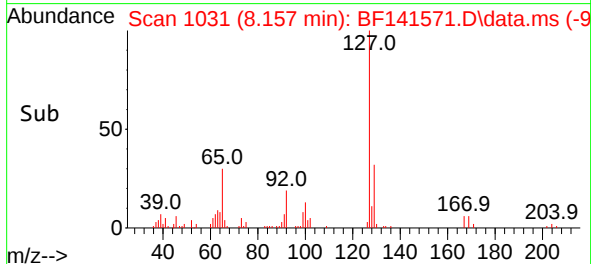
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:127 Resp: 48852
Ion Ratio Lower Upper
127 100
129 31.9 26.5 39.7
65 32.2 26.4 39.6
92 19.4 15.3 22.9

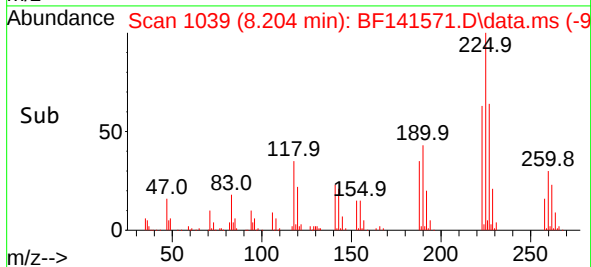
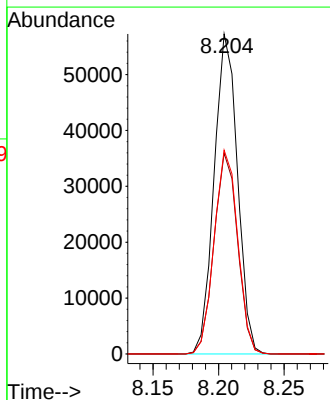
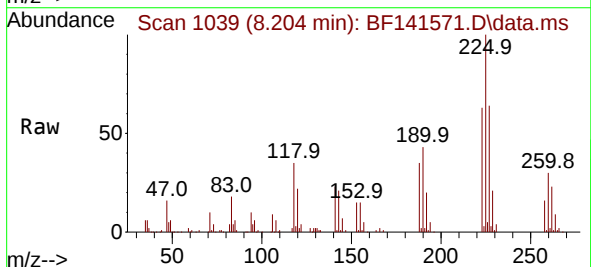
Manual Integrations
APPROVED

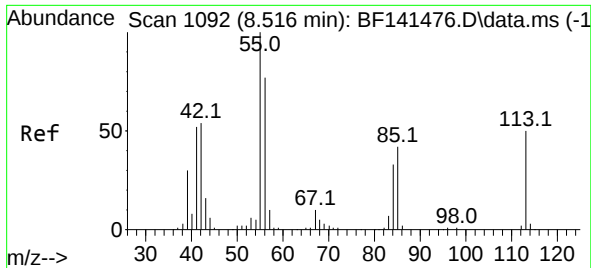
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#34
Hexachlorobutadiene
Concen: 22.496 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

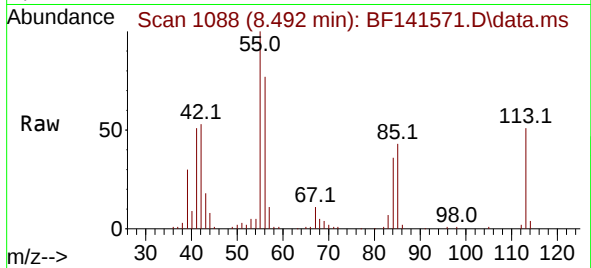
Tgt Ion:225 Resp: 70833
Ion Ratio Lower Upper
225 100
223 62.8 50.1 75.1
227 63.7 51.0 76.6





#35
Caprolactam
Concen: 23.293 ng
RT: 8.492 min Scan# 1088
Delta R.T. -0.053 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

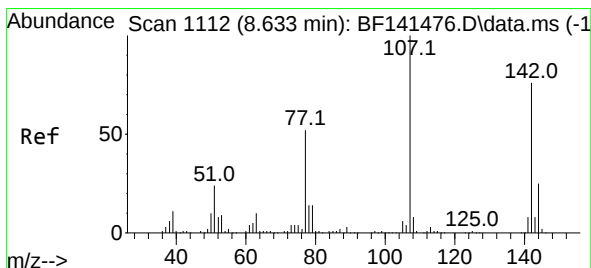
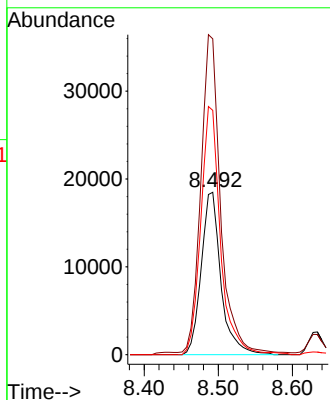
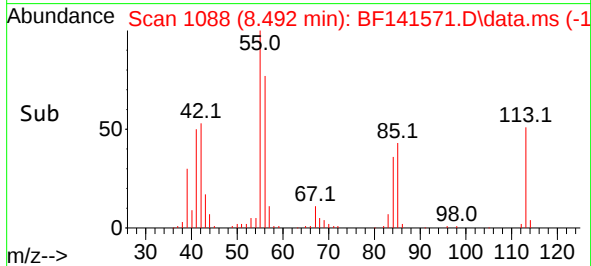
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:113 Resp: 3415
Ion Ratio Lower Upper
113 100
55 194.5 180.8 220.8
56 150.4 133.6 173.6

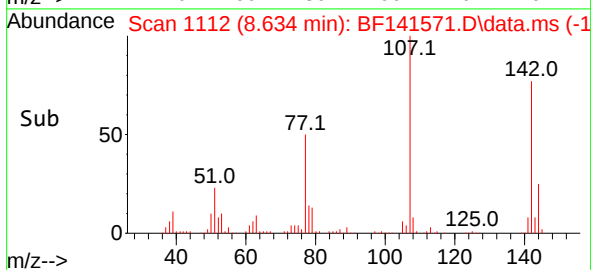
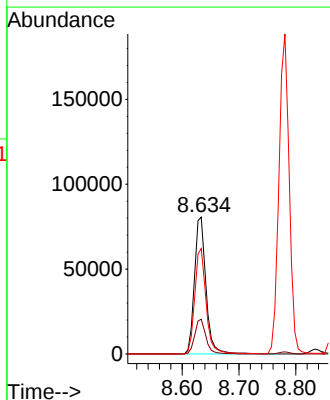
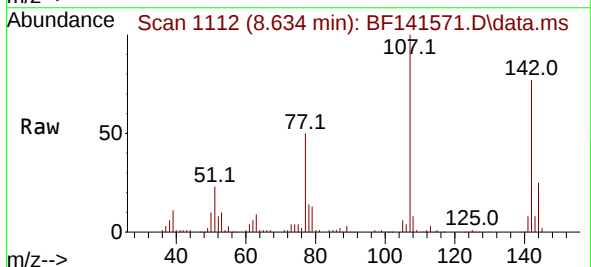
Manual Integrations
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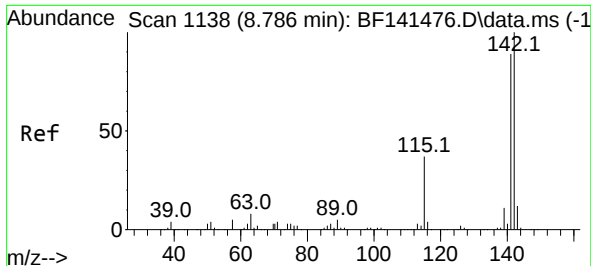
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#36
4-Chloro-3-methylphenol
Concen: 21.433 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:107 Resp: 114348
Ion Ratio Lower Upper
107 100
144 25.4 19.7 29.5
142 77.1 60.8 91.2





#37

2-Methylnaphthalene

Concen: 21.437 ng

RT: 8.781 min Scan# 1137

Delta R.T. -0.006 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:142 Resp: 238210

Ion Ratio Lower Upper

142 100

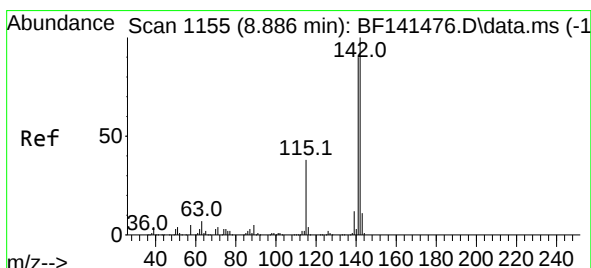
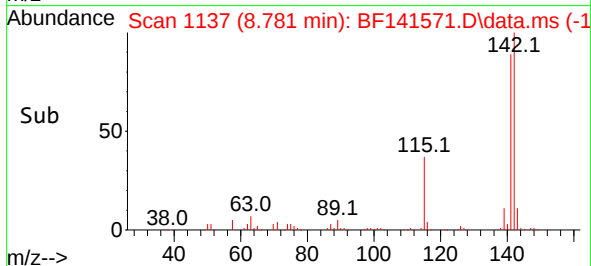
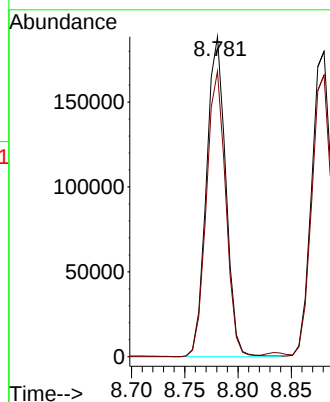
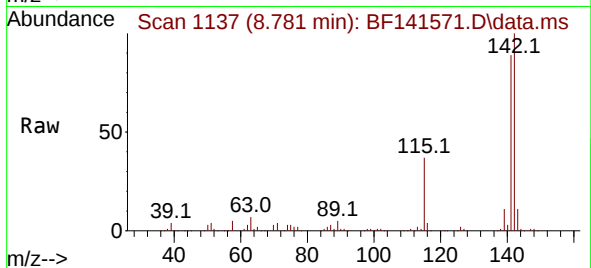
141 89.2 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#38

1-Methylnaphthalene

Concen: 21.530 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF141571.D

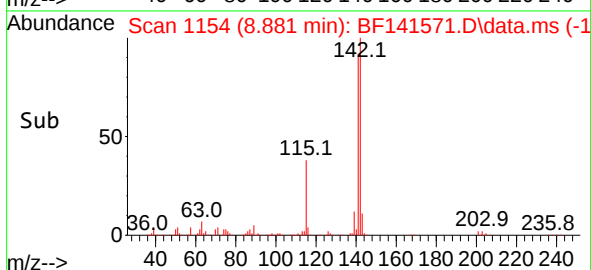
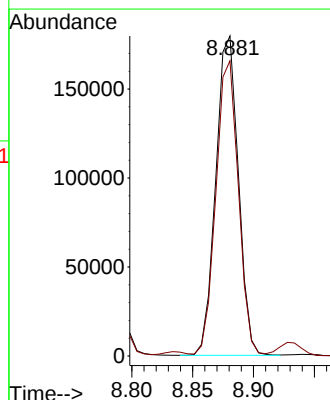
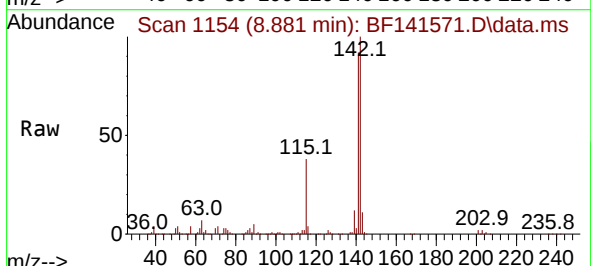
Acq: 11 Feb 2025 19:19

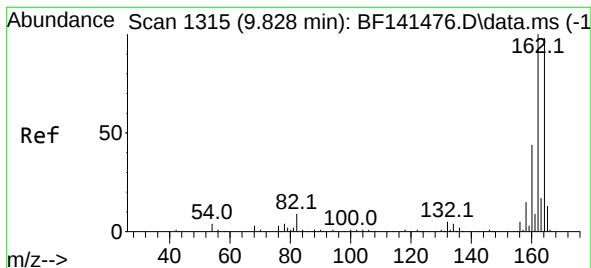
Tgt Ion:142 Resp: 231718

Ion Ratio Lower Upper

142 100

141 92.2 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141571.D

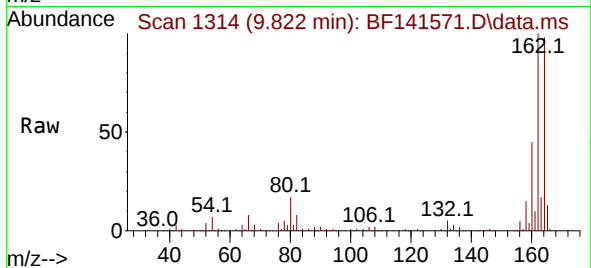
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



Tgt Ion:164 Resp: 164070

Ion Ratio Lower Upper

164 100

162 102.2 81.3 121.9

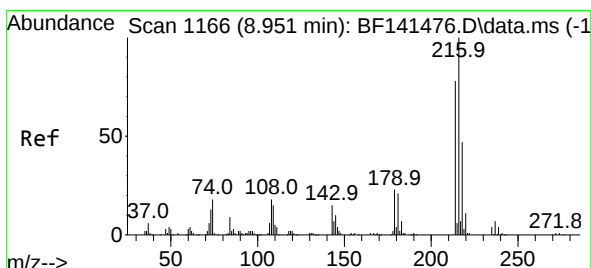
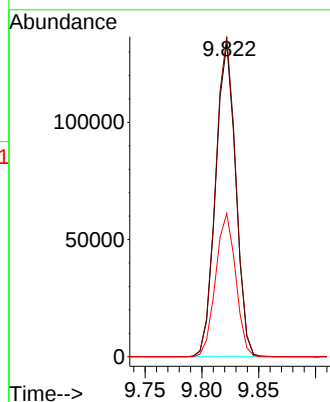
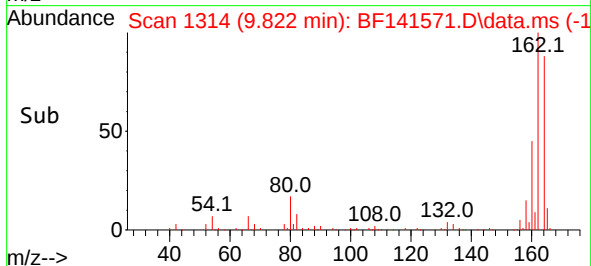
160 45.7 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 26.688 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:216 Resp: 126679

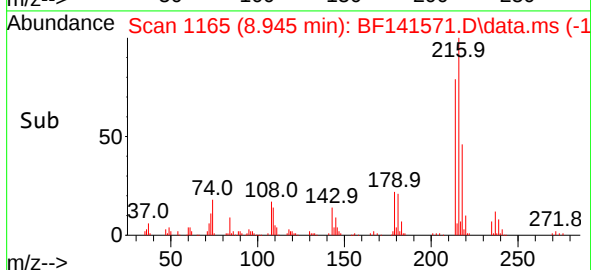
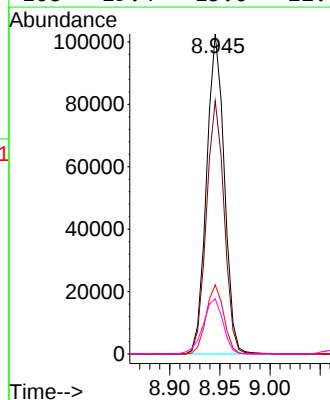
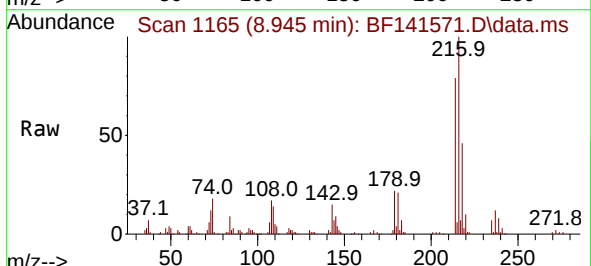
Ion Ratio Lower Upper

216 100

214 79.1 62.3 93.5

179 21.5 18.0 27.0

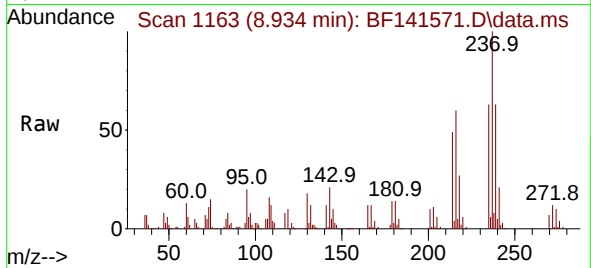
108 19.4 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 47.764 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

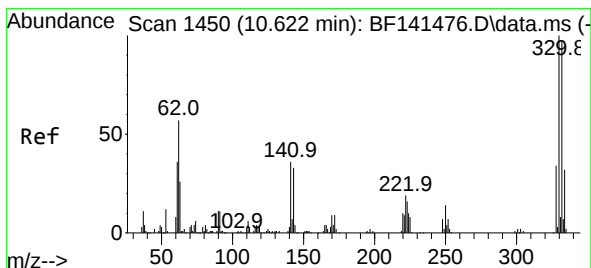
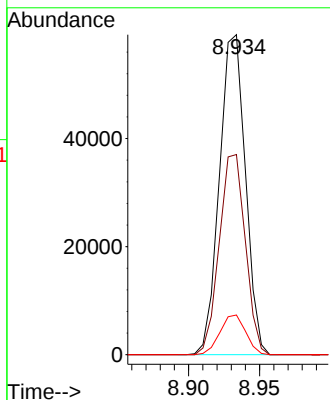
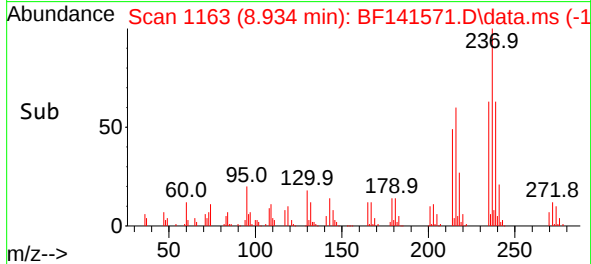
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



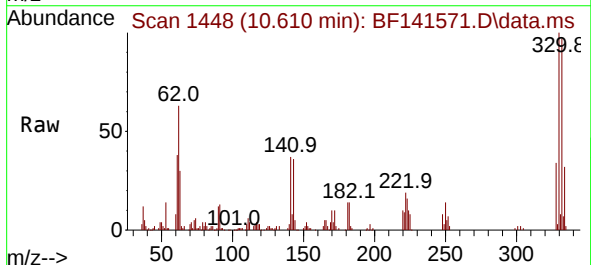
Tgt Ion:237 Resp: 75410
Ion Ratio Lower Upper
237 100
235 62.6 41.4 81.4
272 12.4 0.0 32.4

Manual Integrations
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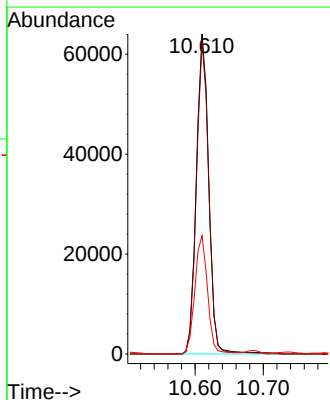
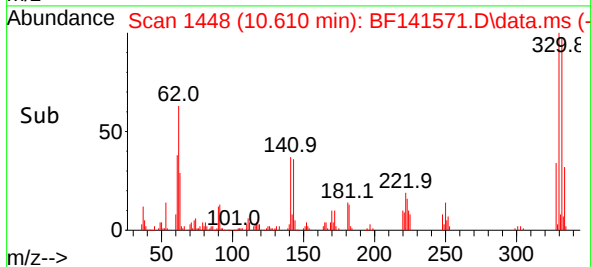
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#42
2,4,6-Tribromophenol
Concen: 49.259 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:330 Resp: 81187
Ion Ratio Lower Upper
330 100
332 96.6 78.5 117.7
141 37.7 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 23.086 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141571.D

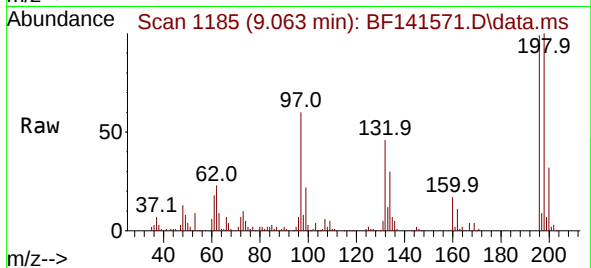
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD



Tgt Ion:196 Resp: 7082

Ion Ratio Lower Upper

196 100

198 100.7 80.6 121.0

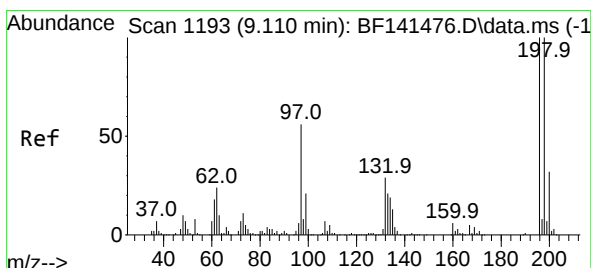
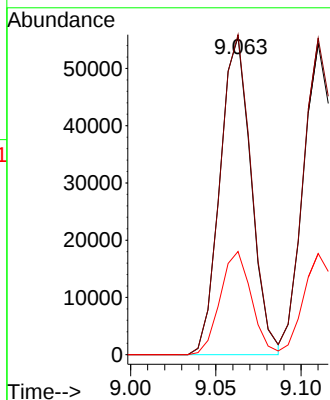
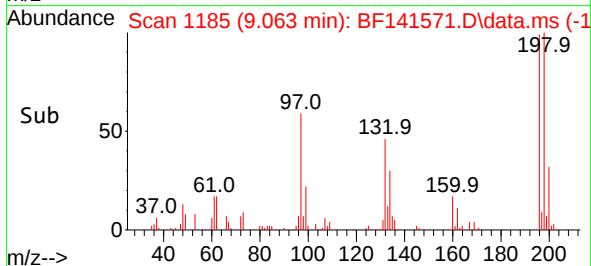
200 32.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#44

2,4,5-Trichlorophenol

Concen: 22.798 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:196 Resp: 75800

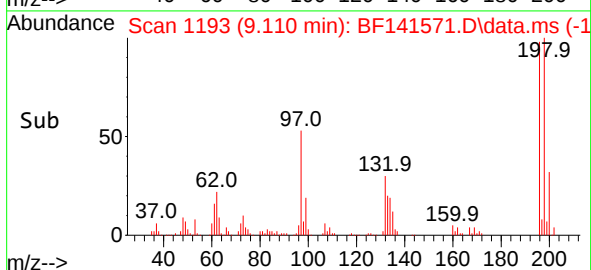
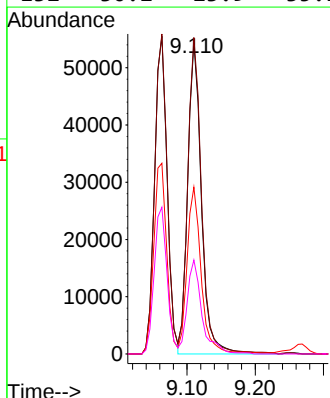
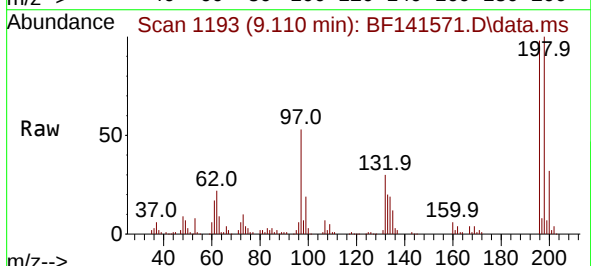
Ion Ratio Lower Upper

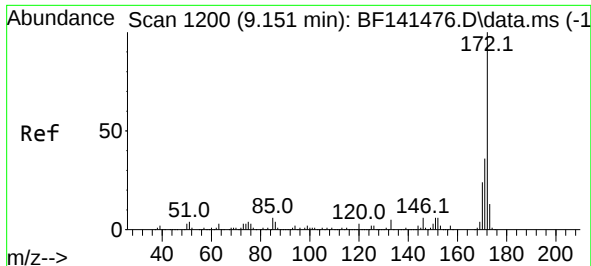
196 100

198 101.7 79.8 119.8

97 53.6 44.8 67.2

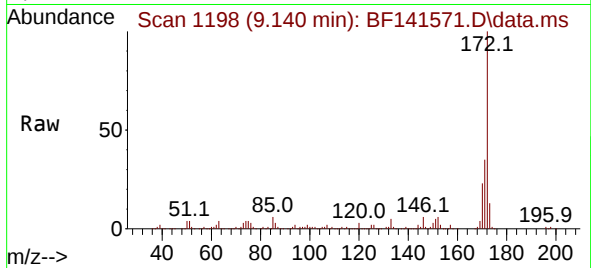
132 30.2 23.9 35.9





#45
2-Fluorobiphenyl
Concen: 35.316 ng
RT: 9.140 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

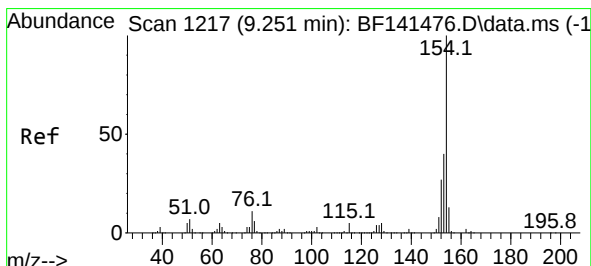
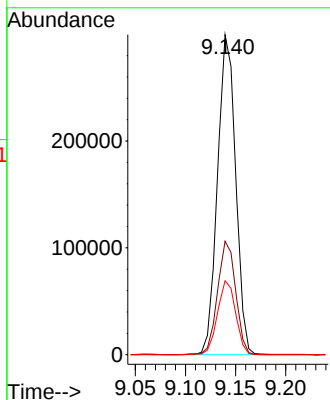
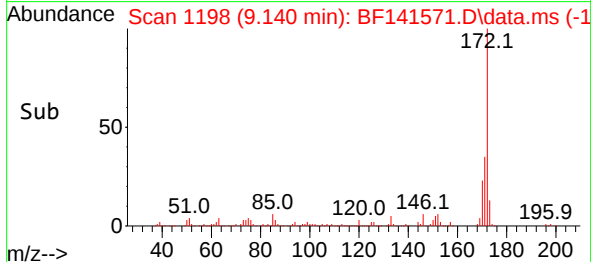
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:172 Resp: 376098
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

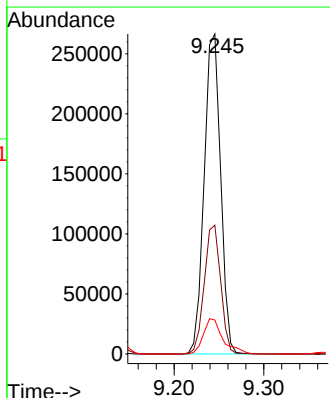
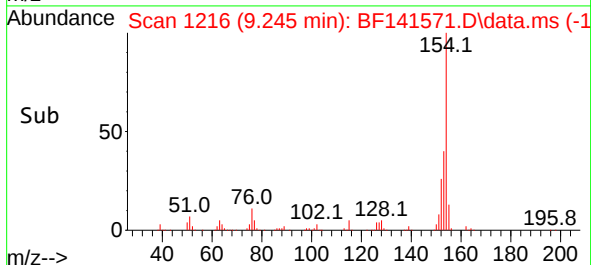
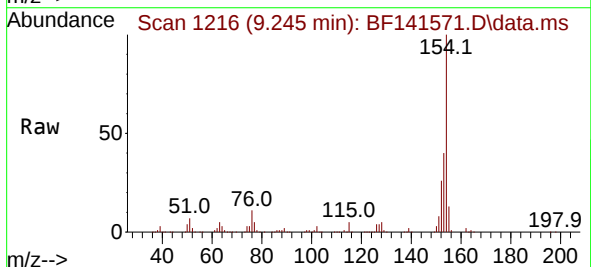
Manual Integrations
APPROVED

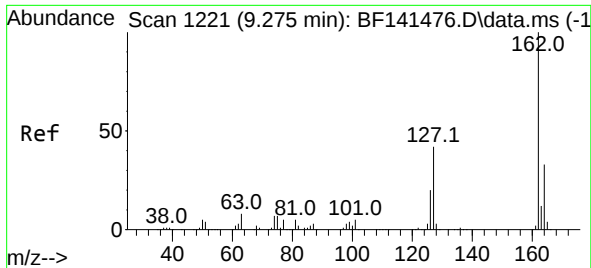
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#46
1,1'-Biphenyl
Concen: 26.680 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:154 Resp: 339368
Ion Ratio Lower Upper
154 100
153 40.3 20.4 60.4
76 10.6 0.0 30.8





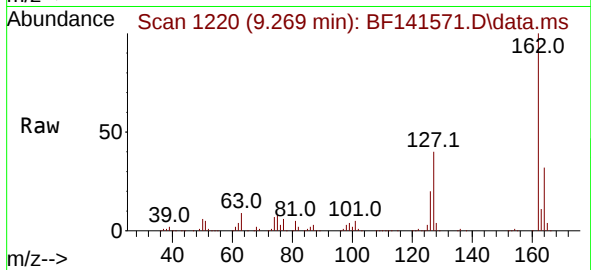
#47
2-Chloronaphthalene
Concen: 23.850 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

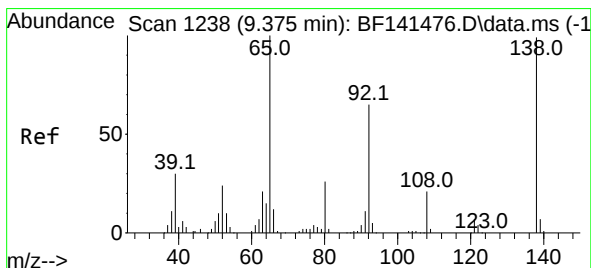
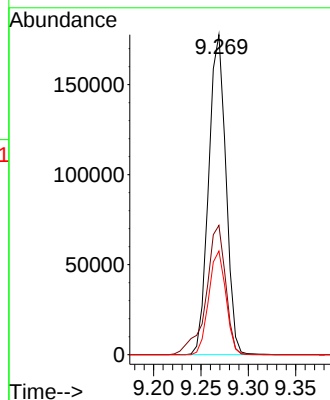
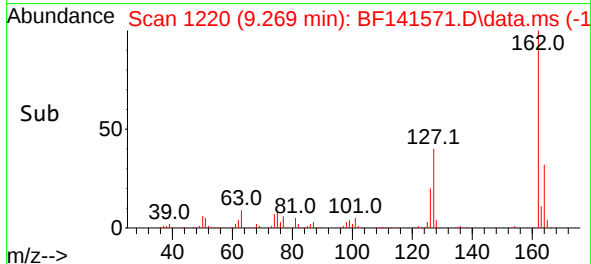


Tgt Ion:162 Resp: 224338
Ion Ratio Lower Upper
162 100
127 40.4 34.1 51.1
164 32.4 26.3 39.5

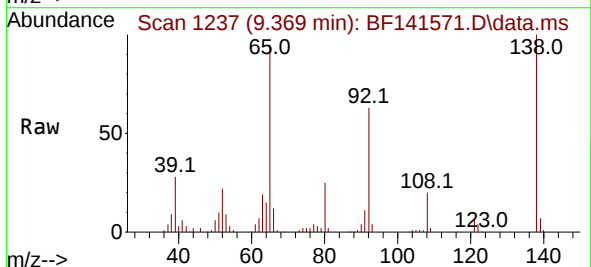
Manual Integrations

APPROVED

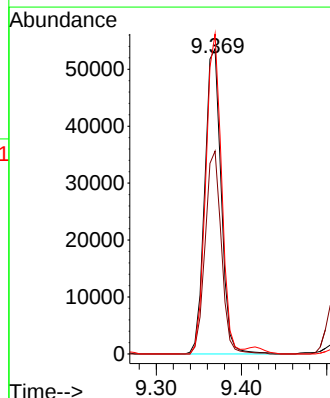
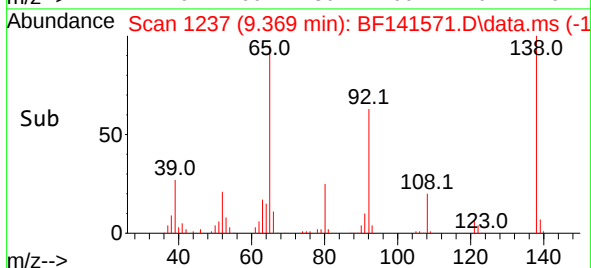
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

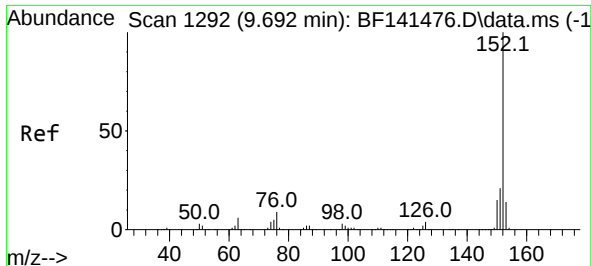


#48
2-Nitroaniline
Concen: 22.652 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



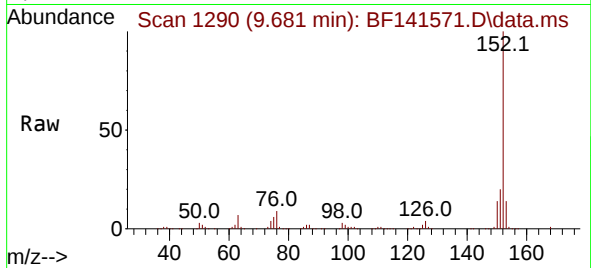
Tgt Ion: 65 Resp: 71507
Ion Ratio Lower Upper
65 100
92 66.5 52.2 78.2
138 104.8 79.5 119.3





#49
Acenaphthylene
Concen: 24.756 ng
RT: 9.681 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

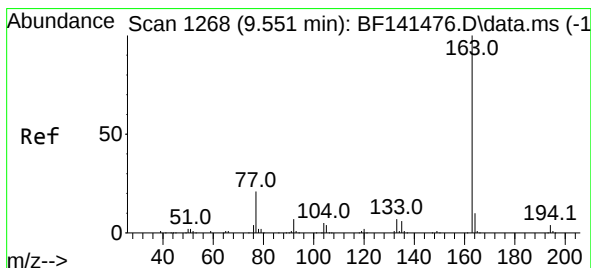
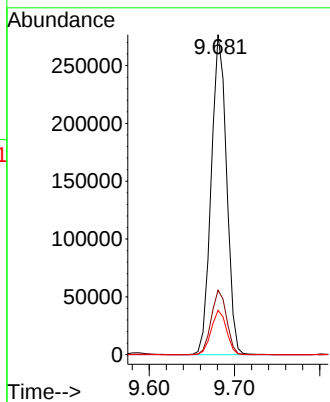
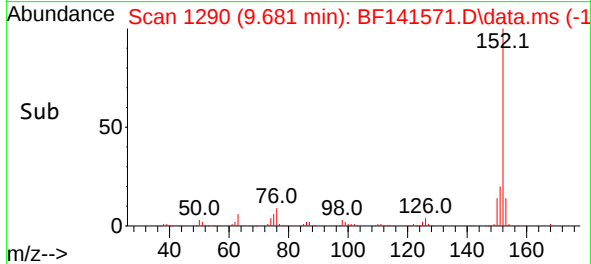
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



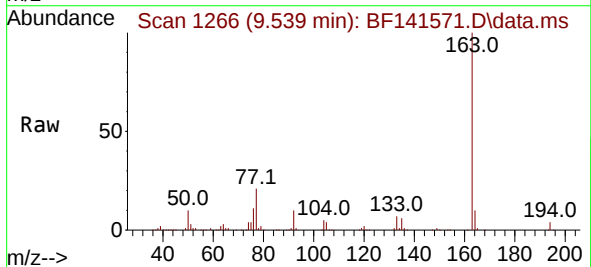
Tgt Ion:152 Resp: 346340
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 13.9 10.9 16.3

Manual Integrations
APPROVED

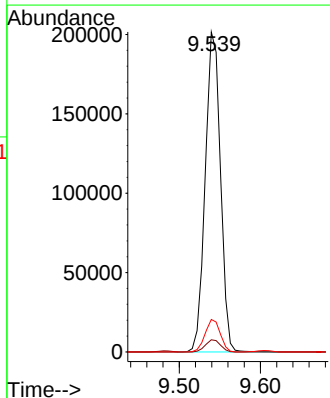
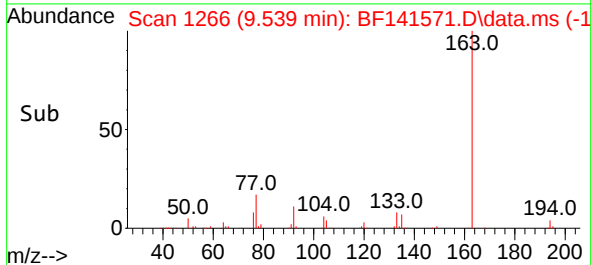
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

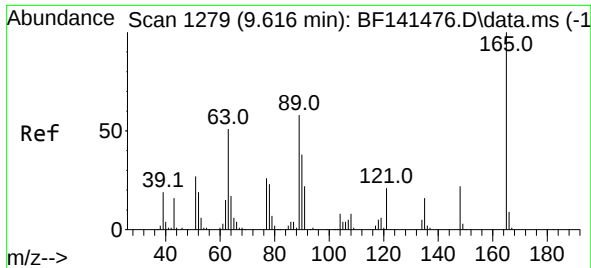


#50
Dimethylphthalate
Concen: 23.531 ng
RT: 9.539 min Scan# 1266
Delta R.T. -0.023 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:163 Resp: 262095
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.1 7.9 11.9





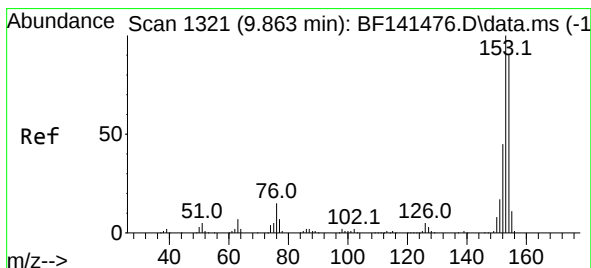
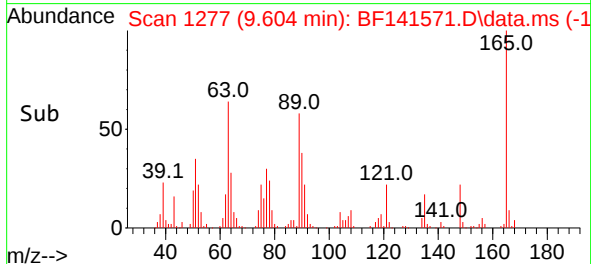
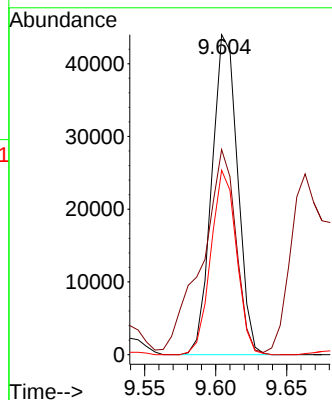
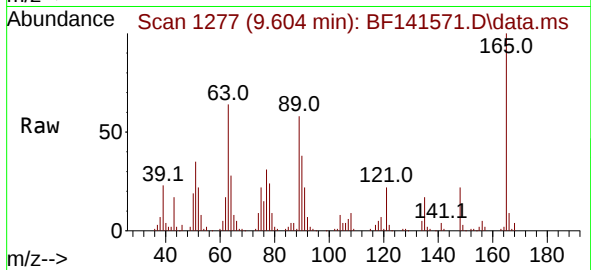
#51
2,6-Dinitrotoluene
Concen: 22.837 ng
RT: 9.604 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:165 Resp: 5560
Ion Ratio Lower Upper
165 100
63 64.1 49.4 74.0
89 57.6 46.5 69.7

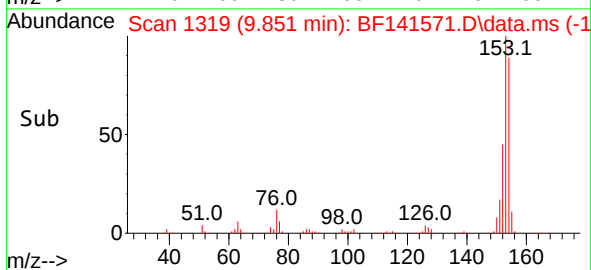
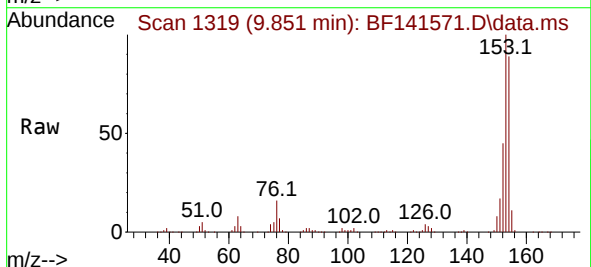
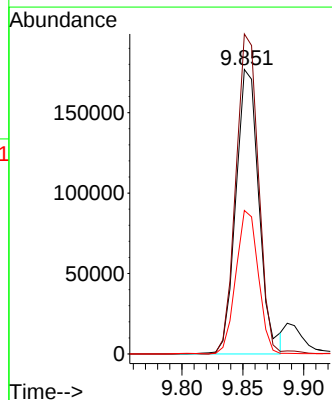
Manual Integrations
APPROVED

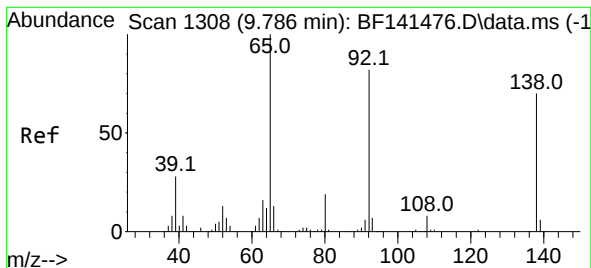
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 24.863 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:154 Resp: 233848
Ion Ratio Lower Upper
154 100
153 112.5 89.2 133.8
152 50.5 39.8 59.8





#53

3-Nitroaniline

Concen: 12.723 ng

RT: 9.775 min Scan# 1306

Delta R.T. -0.017 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

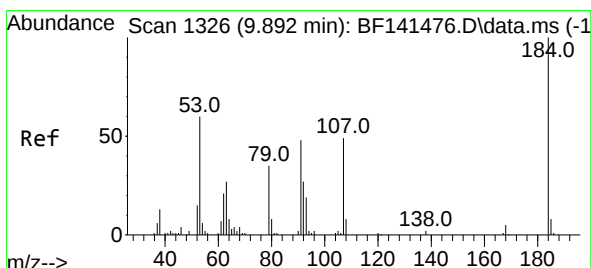
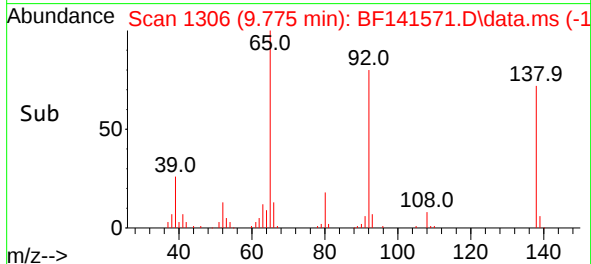
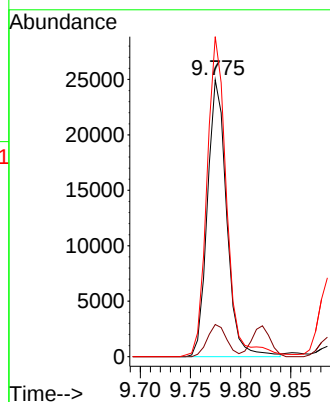
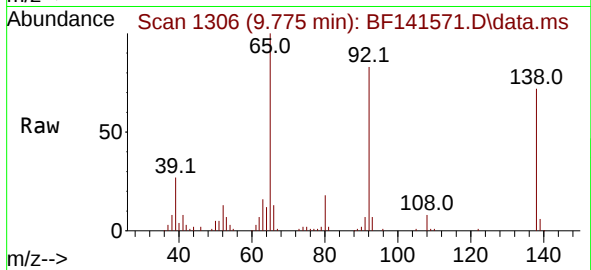
Tgt Ion:138 Resp: 3334

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.0	13.4
92	115.6	93.7	140.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#54

2,4-Dinitrophenol

Concen: 28.589 ng

RT: 9.886 min Scan# 1325

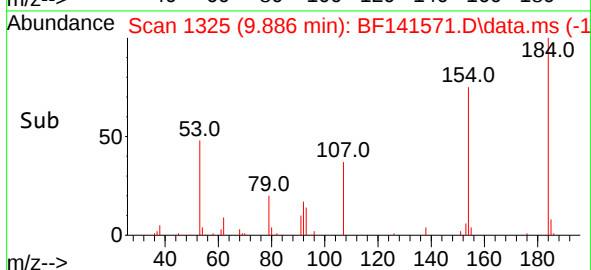
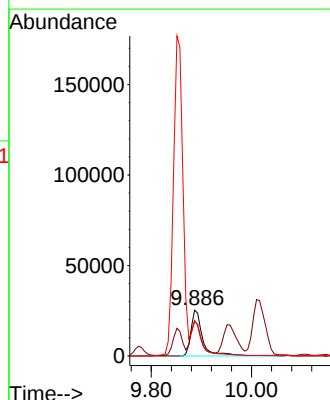
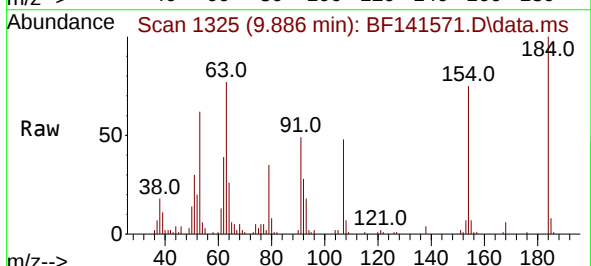
Delta R.T. -0.017 min

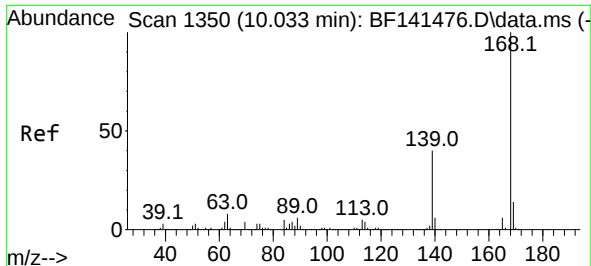
Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:184 Resp: 41372

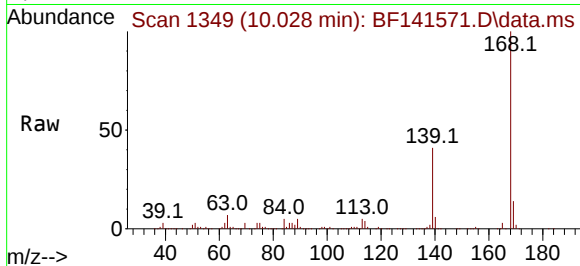
Ion	Ratio	Lower	Upper
184	100		
63	77.1	61.0	91.6
154	75.3	59.9	89.9





#55
Dibenzenofuran
Concen: 23.405 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

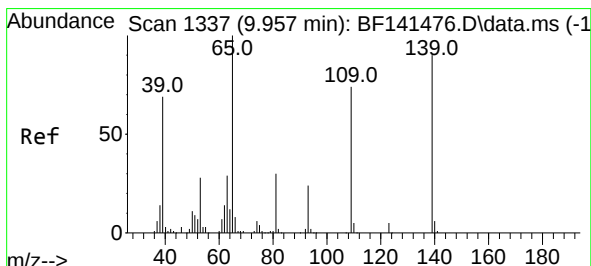
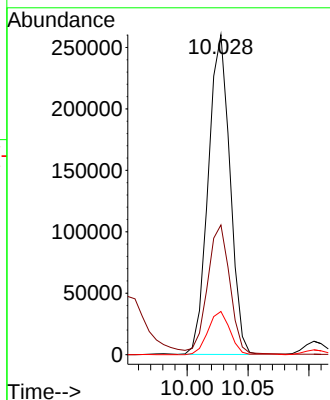
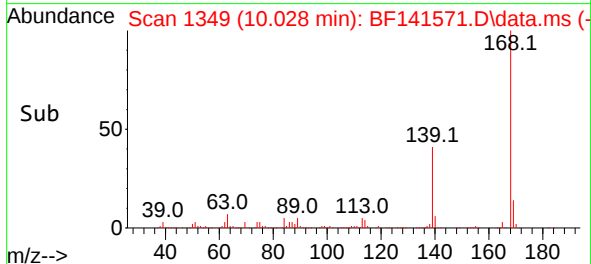
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:168 Resp: 323124
Ion Ratio Lower Upper
168 100
139 40.6 32.7 49.1
169 13.5 10.8 16.2

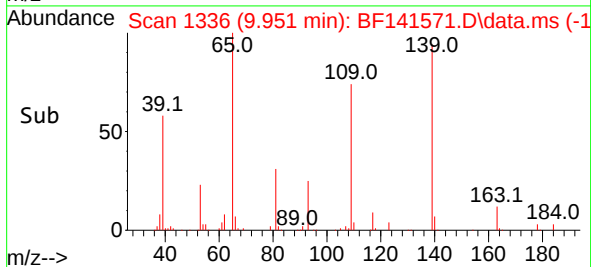
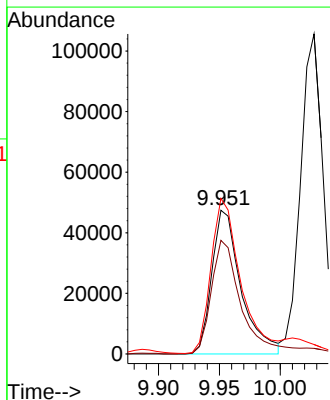
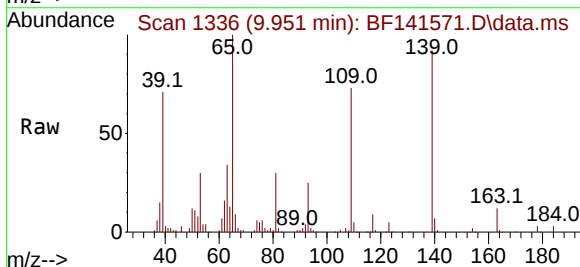
Manual Integrations
APPROVED

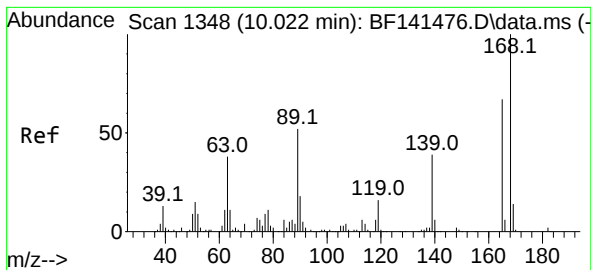
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#56
4-Nitrophenol
Concen: 40.783 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:139 Resp: 79341
Ion Ratio Lower Upper
139 100
109 79.1 62.0 102.0
65 108.2 91.2 131.2





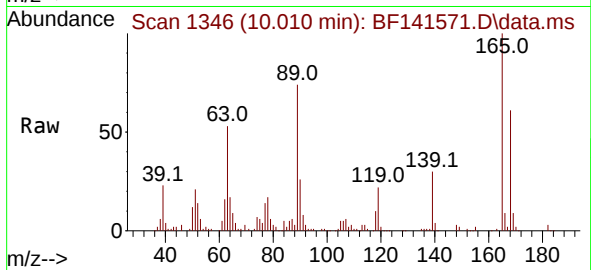
#57
2,4-Dinitrotoluene
Concen: 22.519 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

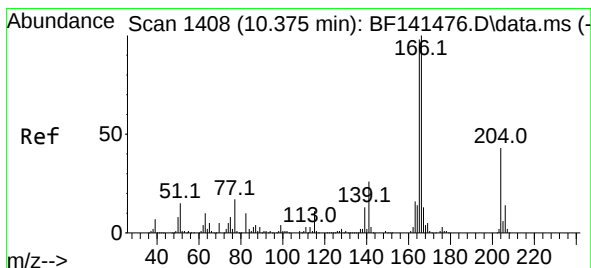
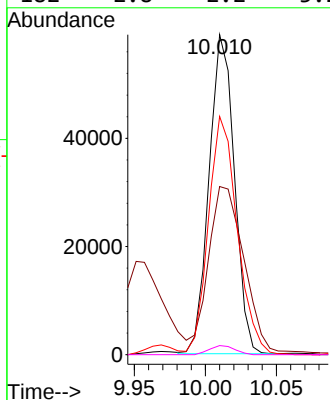
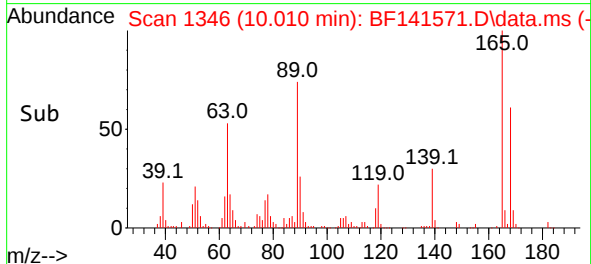


Tgt Ion:165 Resp: 7299
Ion Ratio Lower Upper
165 100
63 52.5 46.4 69.6
89 74.5 61.8 92.6
182 2.8 2.2 3.2

Manual Integrations

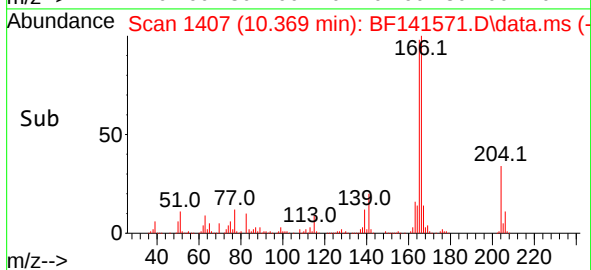
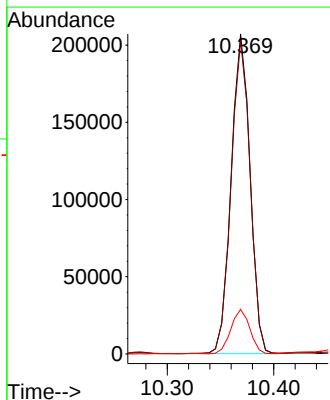
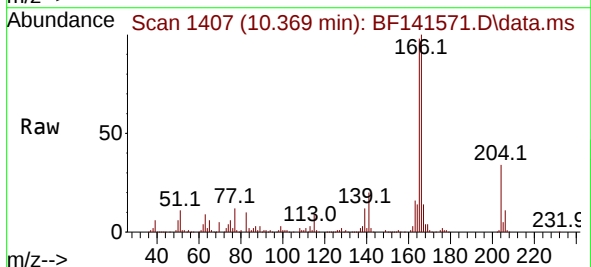
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#58
Fluorene
Concen: 24.003 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

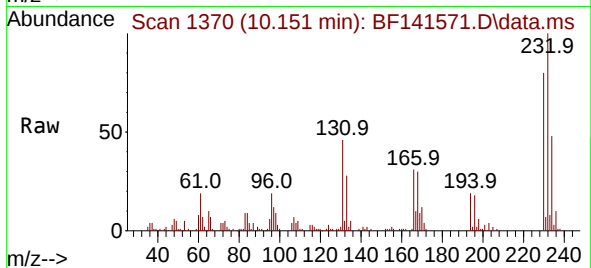
Tgt Ion:166 Resp: 256220
Ion Ratio Lower Upper
166 100
165 97.9 78.2 117.2
167 13.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.153 ng
RT: 10.151 min Scan# 1370
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

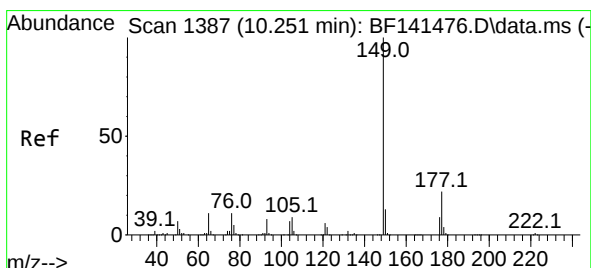
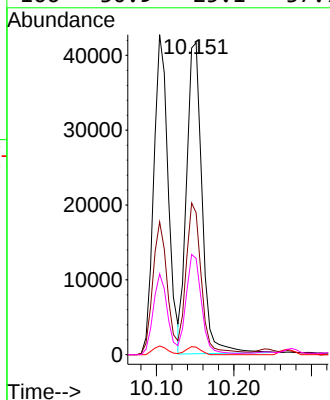
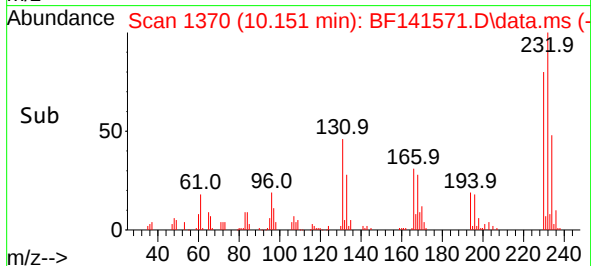
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



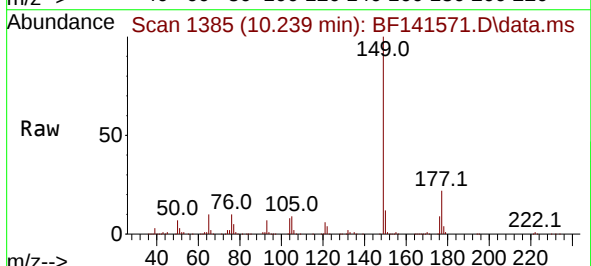
Tgt Ion:232 Resp: 5768
Ion Ratio Lower Upper
232 100
131 46.2 39.2 58.8
130 2.4 2.1 3.1
166 30.9 25.1 37.7

Manual Integrations
APPROVED

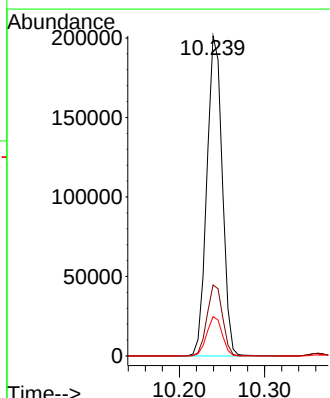
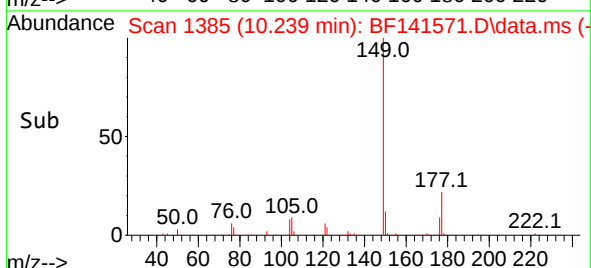
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

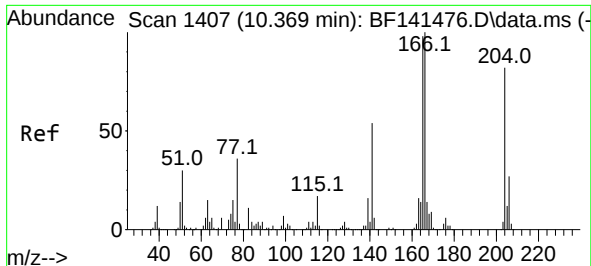


#60
Diethylphthalate
Concen: 23.125 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



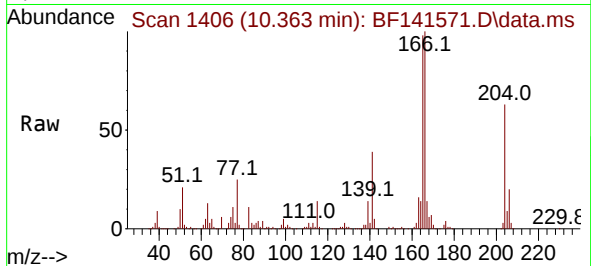
Tgt Ion:149 Resp: 253426
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.6
150 12.3 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 23.471 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

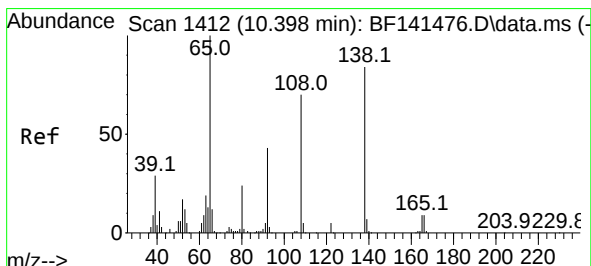
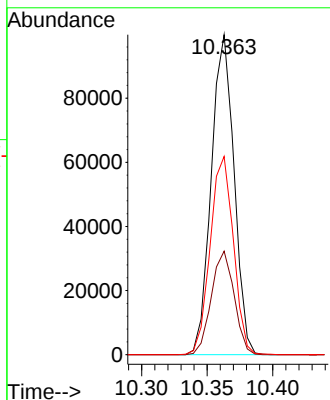
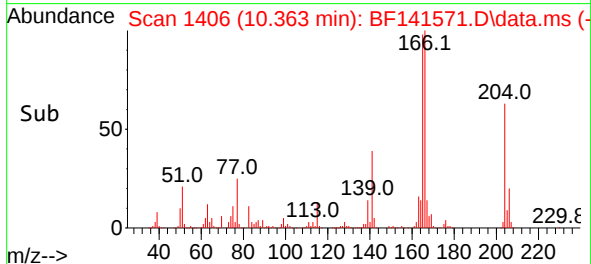
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



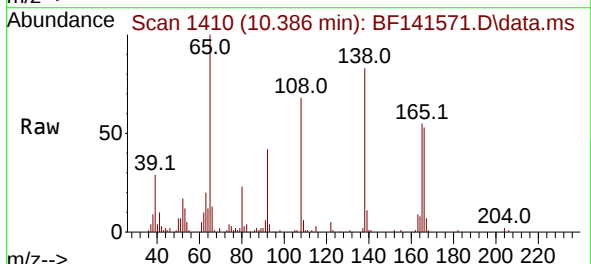
Tgt Ion:204 Resp: 12053
Ion Ratio Lower Upper
204 100
206 32.4 26.6 40.0
141 62.0 51.9 77.9

Manual Integrations
APPROVED

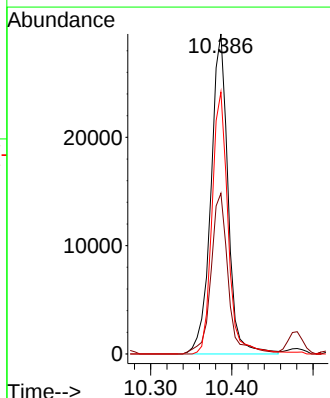
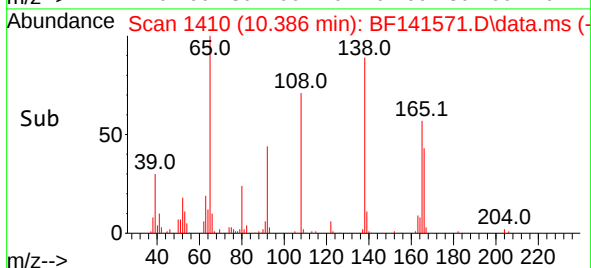
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

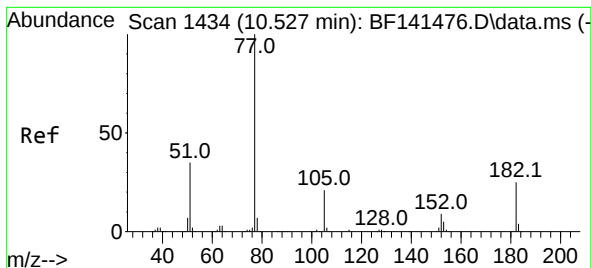


#62
4-Nitroaniline
Concen: 16.313 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:138 Resp: 43410
Ion Ratio Lower Upper
138 100
92 50.2 31.3 71.3
108 81.9 63.7 103.7





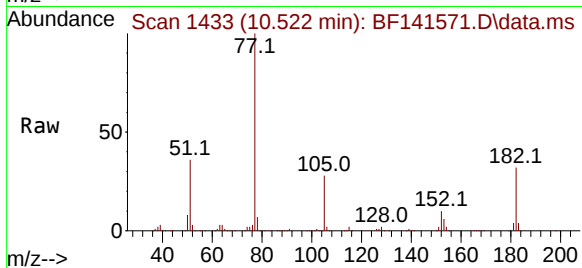
#63
Azobenzene
Concen: 24.555 ng
RT: 10.522 min Scan# 1434
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

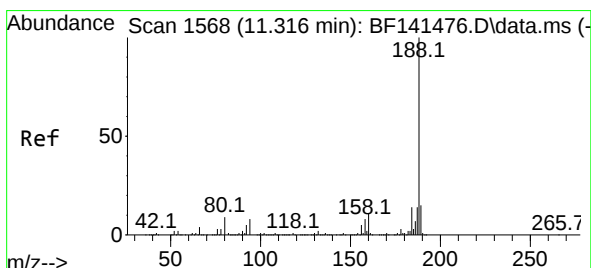
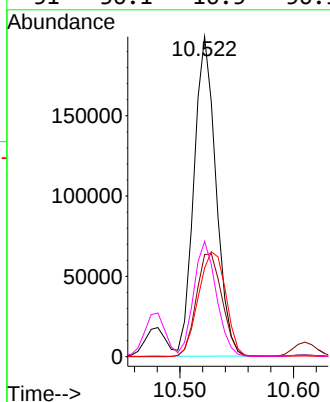
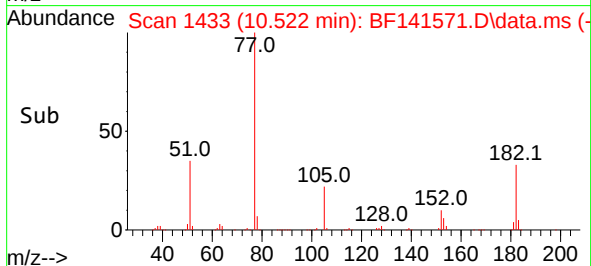


Tgt Ion: 77 Resp: 267509
Ion Ratio Lower Upper
77 100
182 31.9 4.7 44.7
105 27.7 0.4 40.4
51 36.1 16.5 56.5

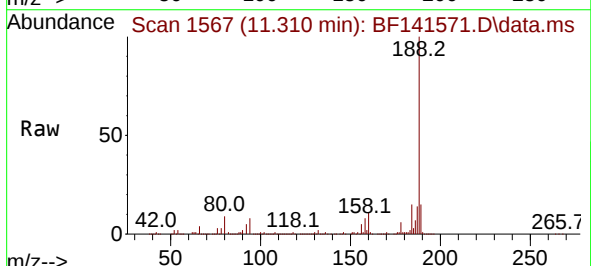
Manual Integrations

APPROVED

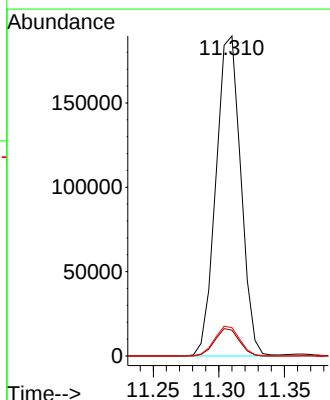
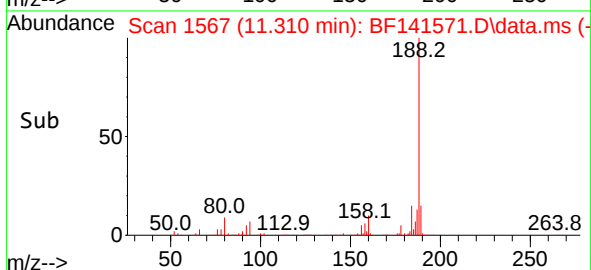
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



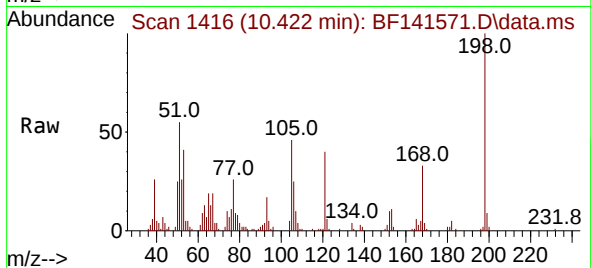
Tgt Ion:188 Resp: 249795
Ion Ratio Lower Upper
188 100
94 8.0 6.6 10.0
80 8.9 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 16.034 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

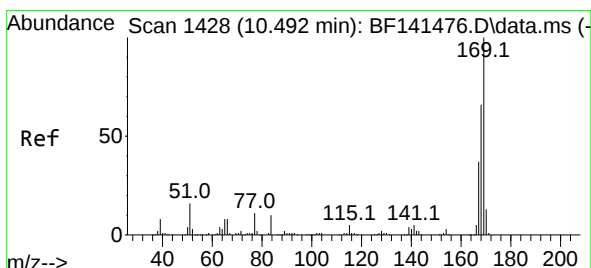
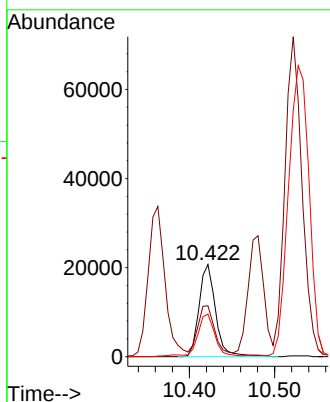
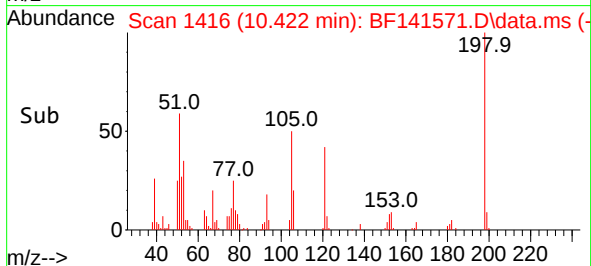
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



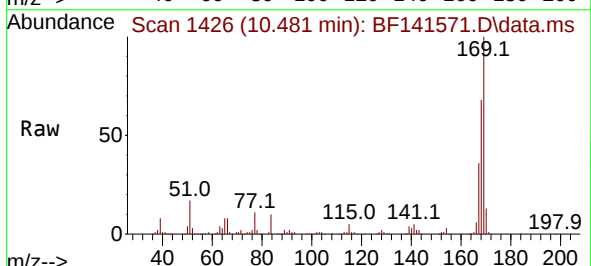
Tgt Ion:198 Resp: 2782
Ion Ratio Lower Upper
198 100
51 55.3 37.4 77.4
105 46.2 25.2 65.2

Manual Integrations
APPROVED

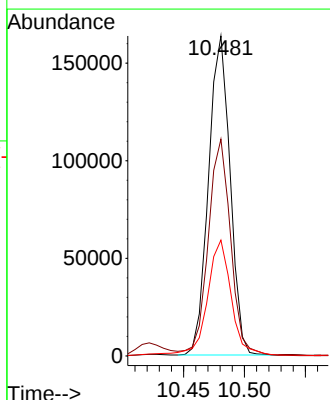
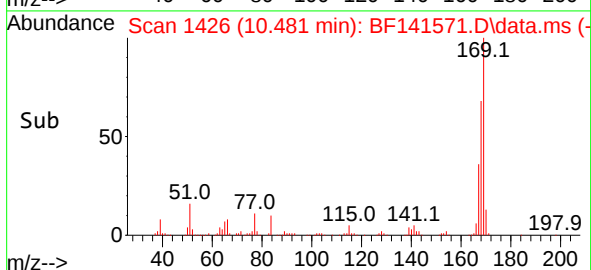
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

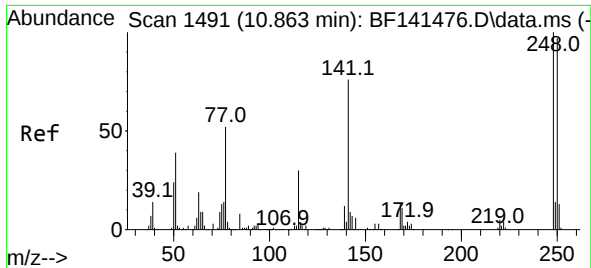


#66
n-Nitrosodiphenylamine
Concen: 25.241 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



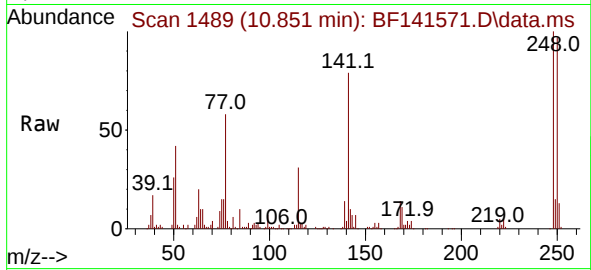
Tgt Ion:169 Resp: 201833
Ion Ratio Lower Upper
169 100
168 67.8 53.3 79.9
167 36.2 29.4 44.2





#67
4-Bromophenyl-phenylether
Concen: 24.834 ng
RT: 10.851 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

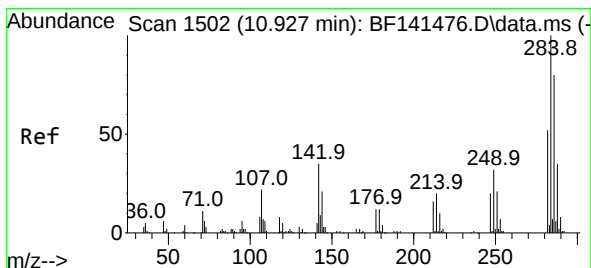
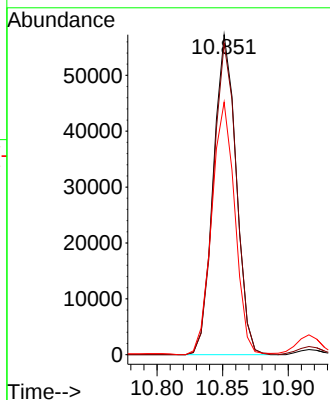
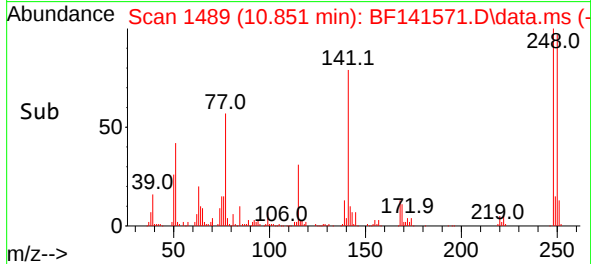
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



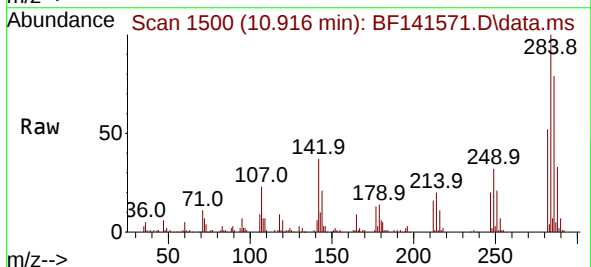
Tgt Ion:248 Resp: 69330
Ion Ratio Lower Upper
248 100
250 97.3 77.8 116.6
141 78.9 60.6 90.8

Manual Integrations
APPROVED

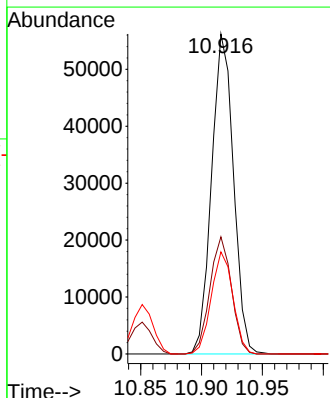
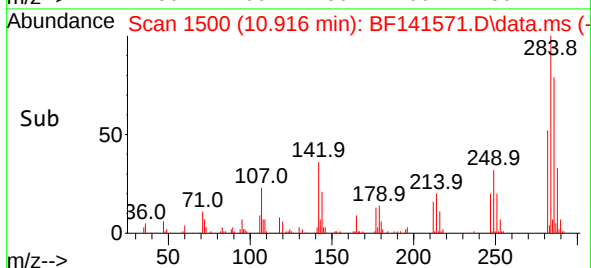
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#68
Hexachlorobenzene
Concen: 24.445 ng
RT: 10.916 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:284 Resp: 70275
Ion Ratio Lower Upper
284 100
142 36.6 28.0 42.0
249 31.9 25.8 38.8





#69

Atrazine

Concen: 30.937 ng

RT: 11.010 min Scan# 1517

Delta R.T. -0.011 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:200 Resp: 7421

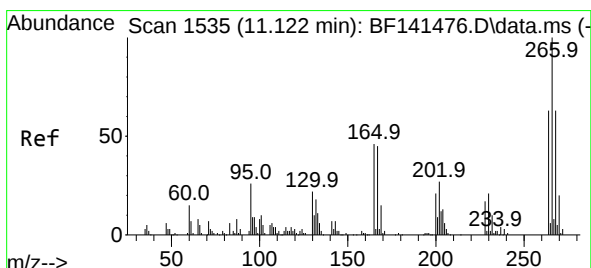
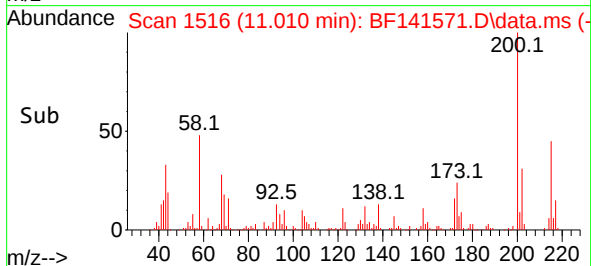
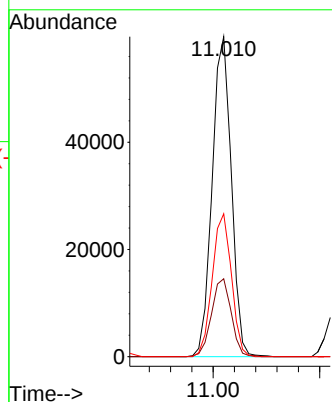
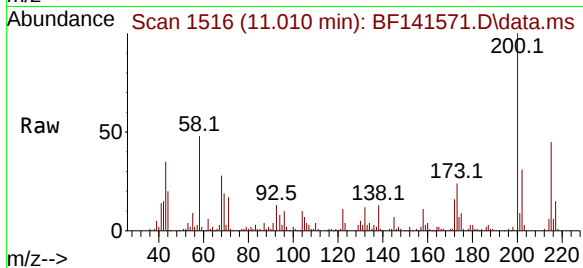
Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.9	45.9
215	44.6	25.9	65.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#70

Pentachlorophenol

Concen: 38.356 ng

RT: 11.116 min Scan# 1534

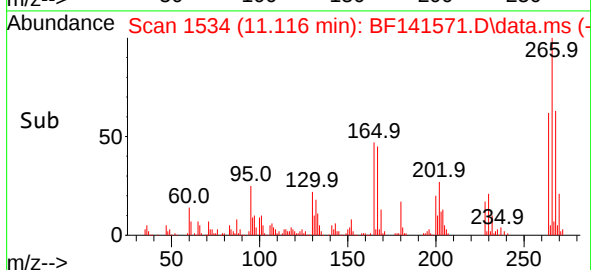
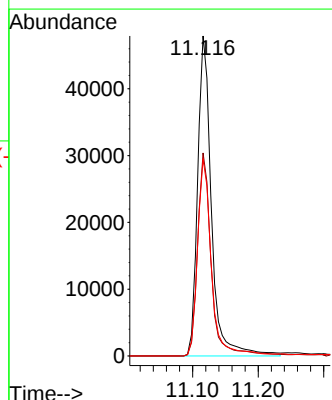
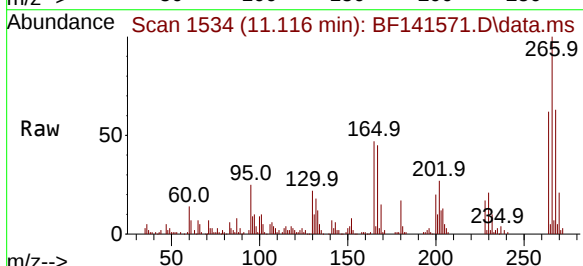
Delta R.T. -0.012 min

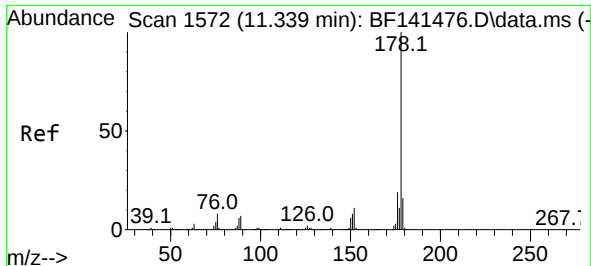
Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:266 Resp: 70505

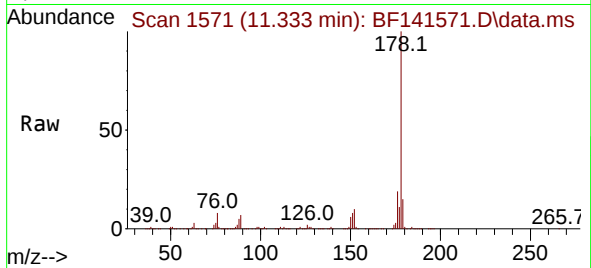
Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.1	75.1
264	61.6	50.1	75.1





#71
Phenanthrene
Concen: 42.237 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

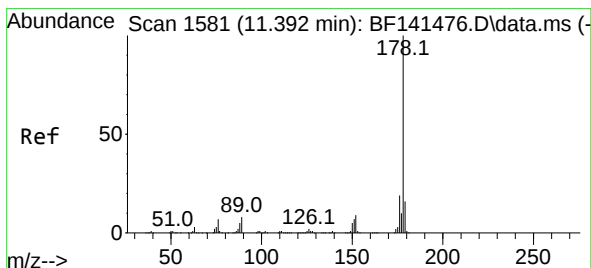
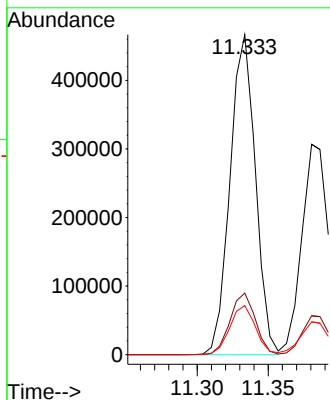
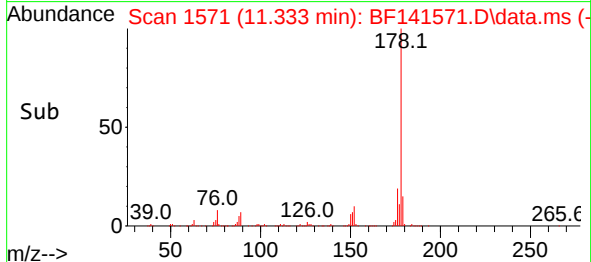
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:178 Resp: 580759
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.3 12.4 18.6

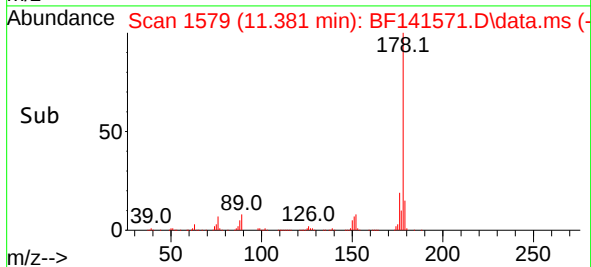
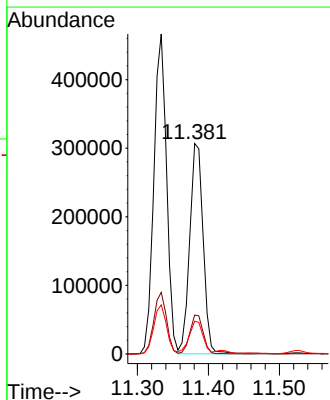
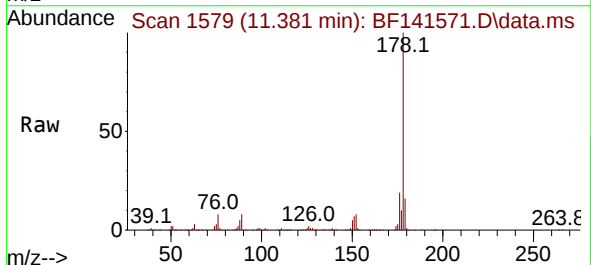
Manual Integrations
APPROVED

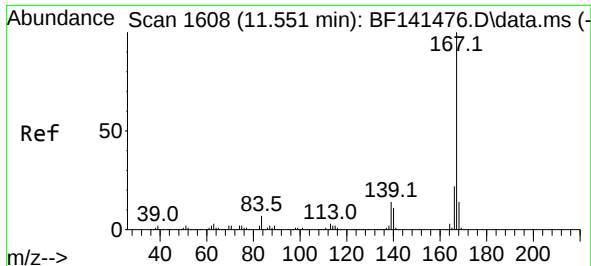
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 29.226 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

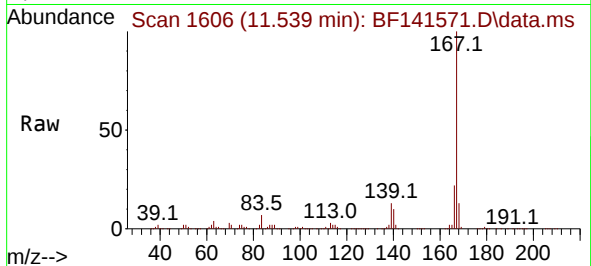
Tgt Ion:178 Resp: 403967
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.6 12.4 18.6





#73
 Carbazole
 Concen: 24.208 ng
 RT: 11.539 min Scan# 1606
 Delta R.T. -0.011 min
 Lab File: BF141571.D
 Acq: 11 Feb 2025 19:19

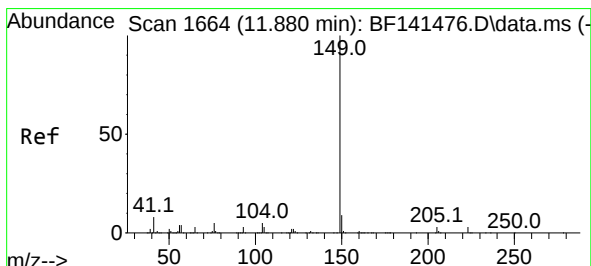
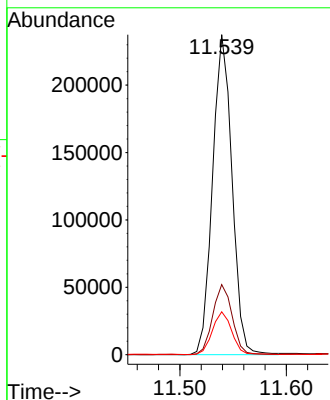
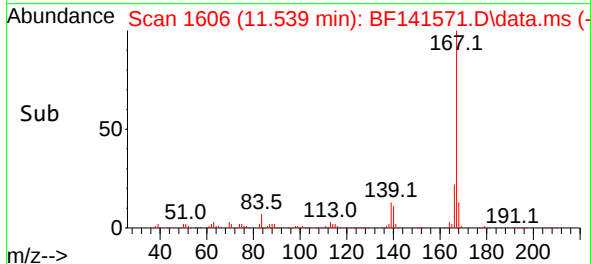
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMSD



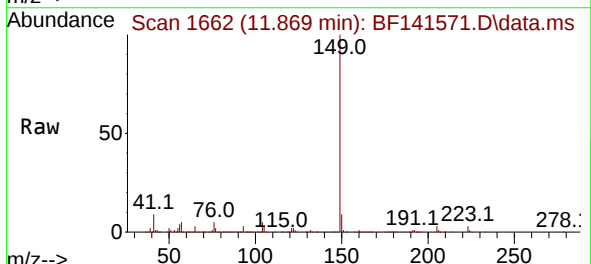
Tgt Ion:167 Resp: 301079
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.4 10.9 16.3

Manual Integrations
 APPROVED

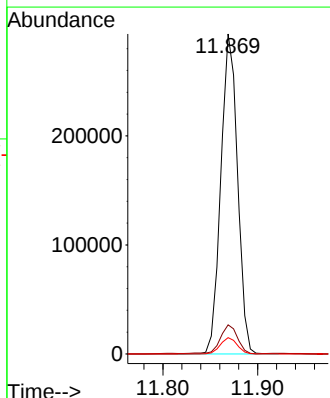
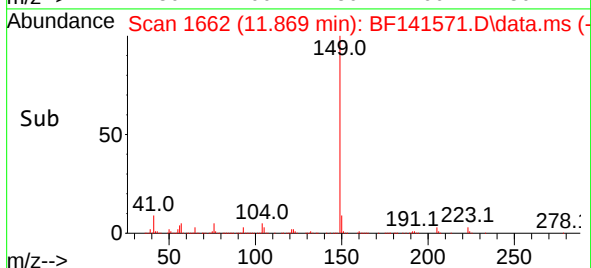
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

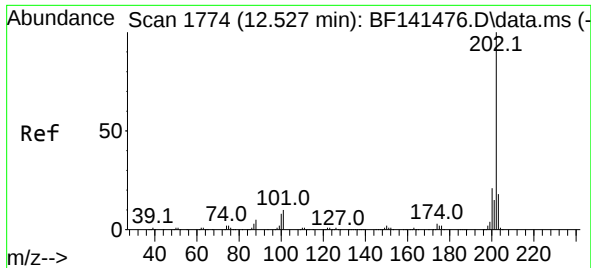


#74
 Di-n-butylphthalate
 Concen: 25.094 ng
 RT: 11.869 min Scan# 1662
 Delta R.T. -0.011 min
 Lab File: BF141571.D
 Acq: 11 Feb 2025 19:19



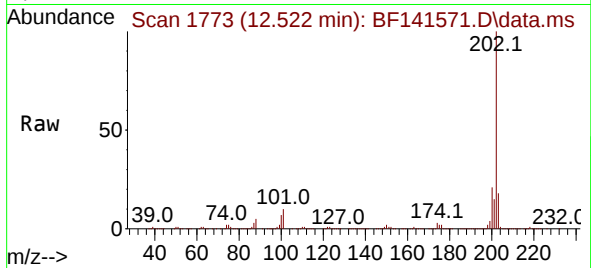
Tgt Ion:149 Resp: 360369
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 45.941 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

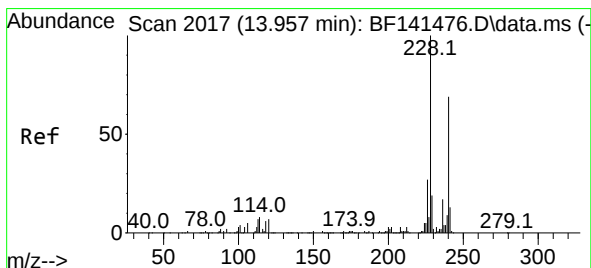
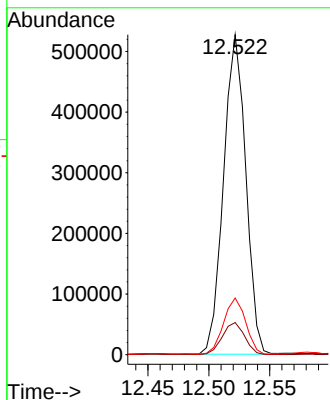
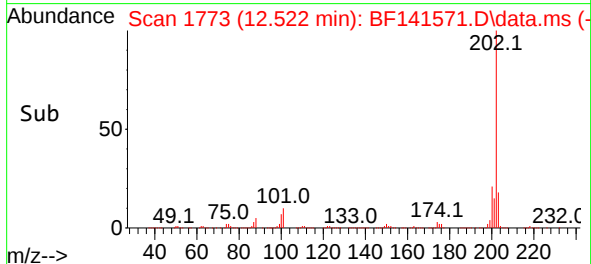
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



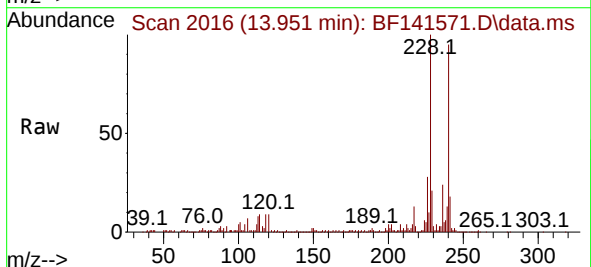
Tgt Ion:202 Resp: 66971
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.2
203 17.7 0.0 37.6

Manual Integrations
APPROVED

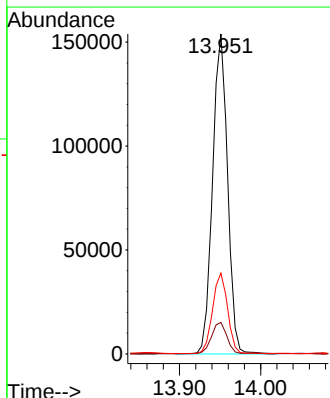
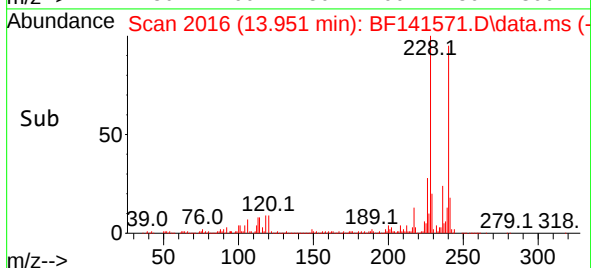
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

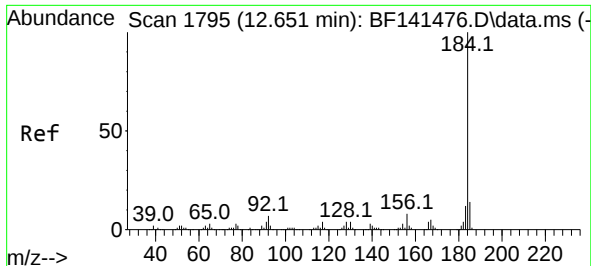


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



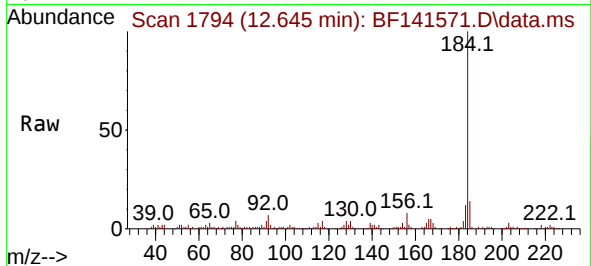
Tgt Ion:240 Resp: 197334
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.3 19.8 29.8





#77
Benzidine
Concen: 23.984 ng
RT: 12.645 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

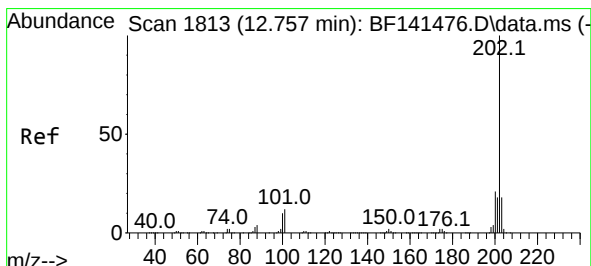
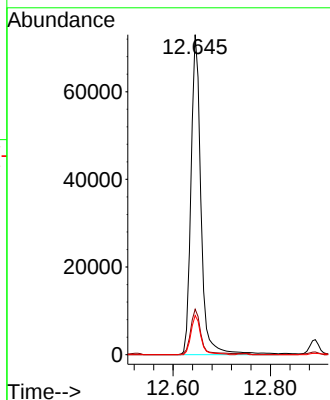
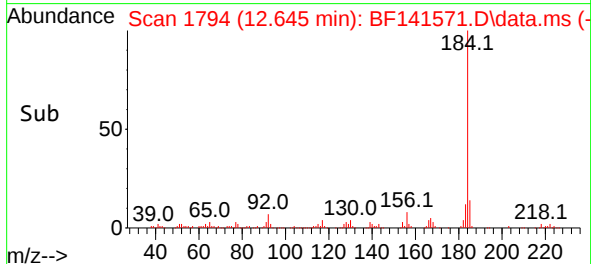
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:184 Resp: 104380
Ion Ratio Lower Upper
184 100
185 14.2 11.3 16.9
183 12.3 9.3 13.9

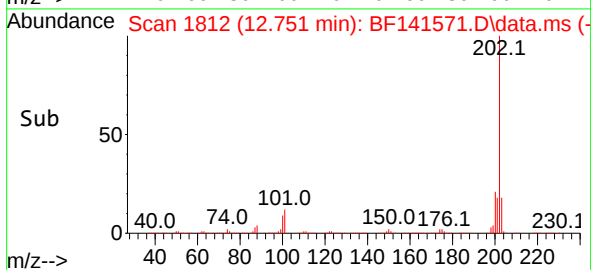
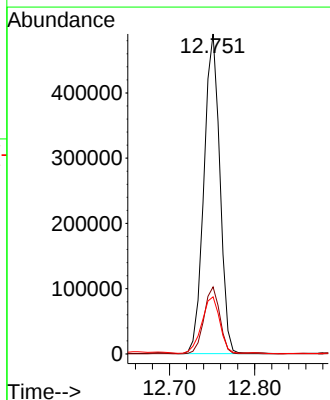
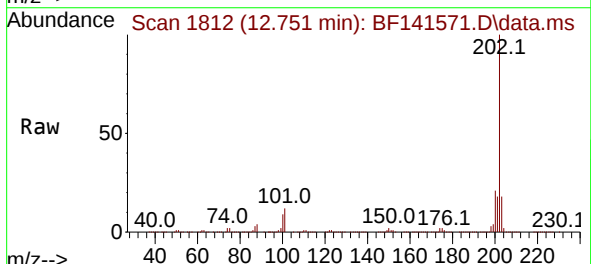
Manual Integrations
APPROVED

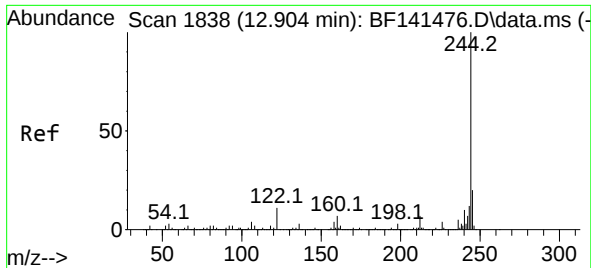
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 37.832 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:202 Resp: 635519
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.9 14.3 21.5





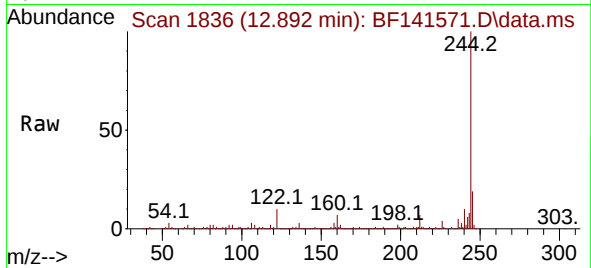
#79
 Terphenyl-d14
 Concen: 26.932 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF141571.D
 Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

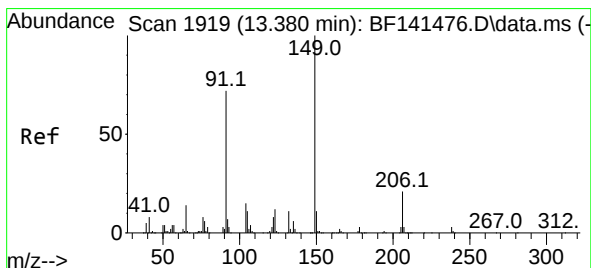
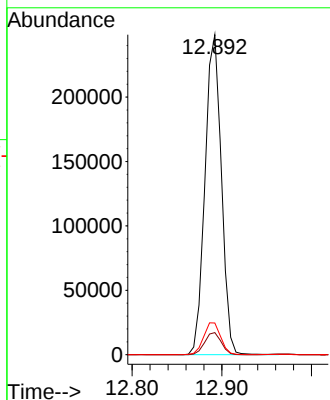
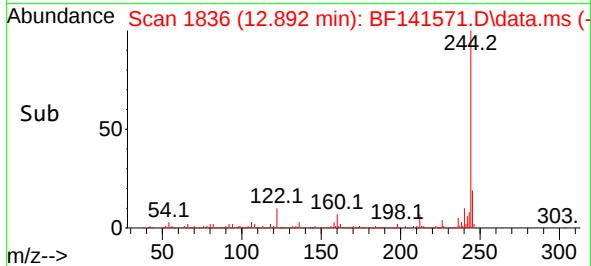


Tgt Ion:244 Resp: 31481
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.9 8.4 12.6

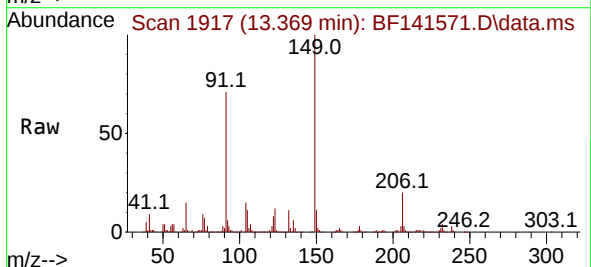
Manual Integrations

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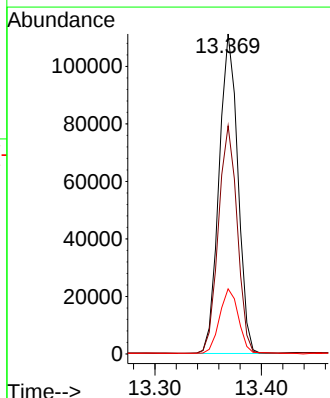
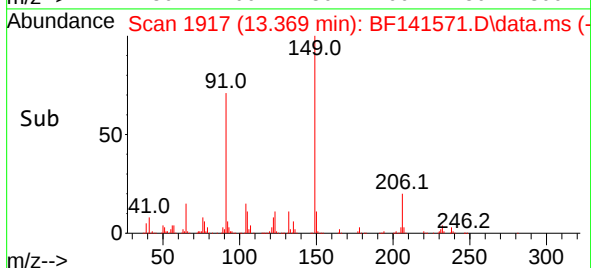
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

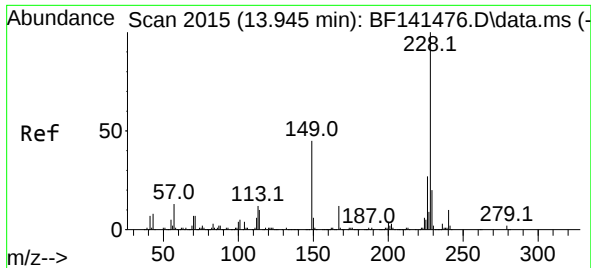


#80
 Butylbenzylphthalate
 Concen: 23.419 ng
 RT: 13.369 min Scan# 1917
 Delta R.T. -0.012 min
 Lab File: BF141571.D
 Acq: 11 Feb 2025 19:19



Tgt Ion:149 Resp: 136266
 Ion Ratio Lower Upper
 149 100
 91 71.3 57.8 86.8
 206 20.3 16.7 25.1





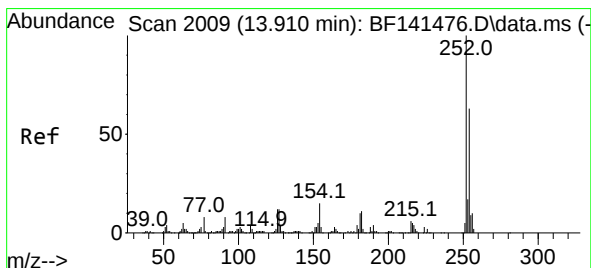
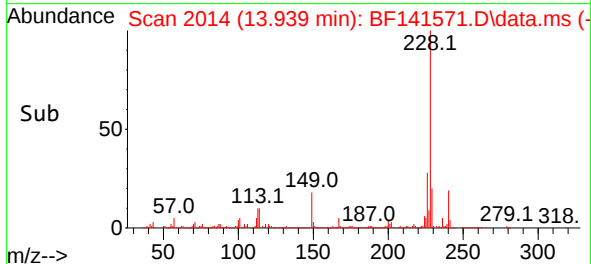
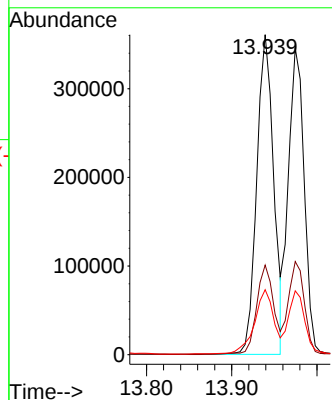
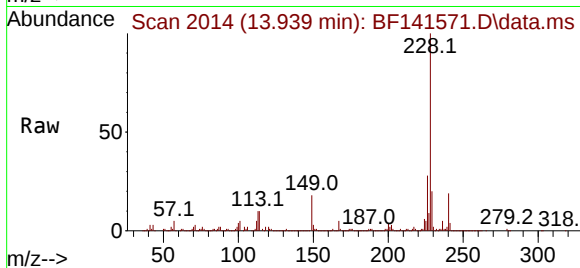
#81
Benzo(a)anthracene
Concen: 38.082 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD

Tgt Ion:228 Resp: 49954
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.3 15.8 23.6

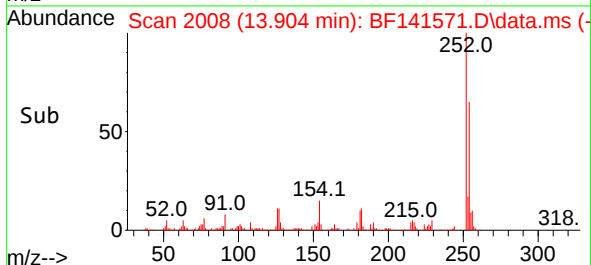
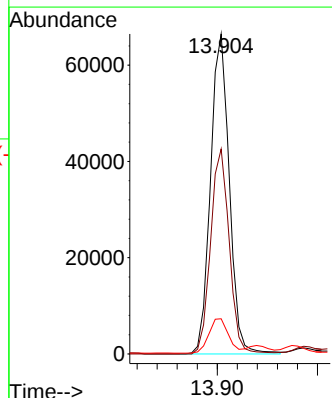
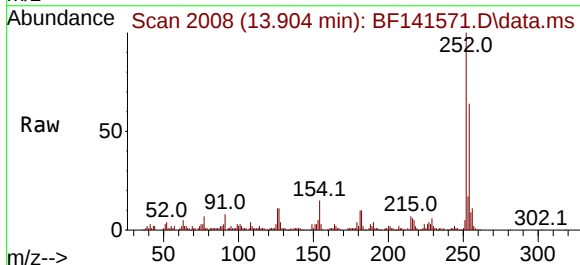
Manual Integrations
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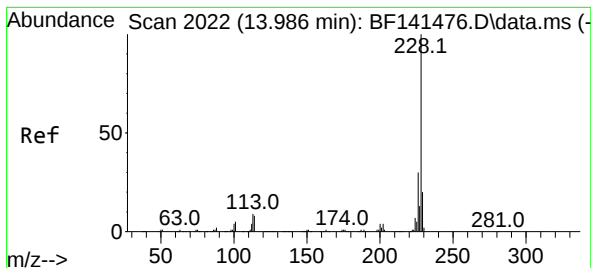
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#82
3,3'-Dichlorobenzidine
Concen: 23.063 ng
RT: 13.904 min Scan# 2008
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:252 Resp: 86661
Ion Ratio Lower Upper
252 100
254 64.0 50.6 76.0
126 11.0 9.3 13.9





#83

Chrysene

Concen: 36.773 ng

RT: 13.974 min Scan# 2012

Delta R.T. -0.017 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:228 Resp: 44539

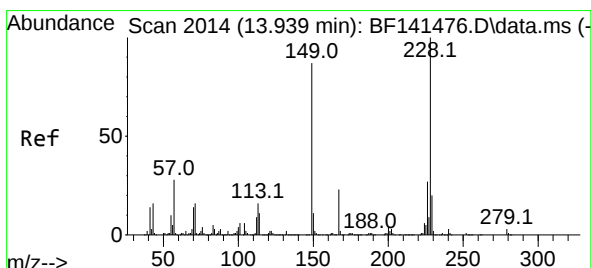
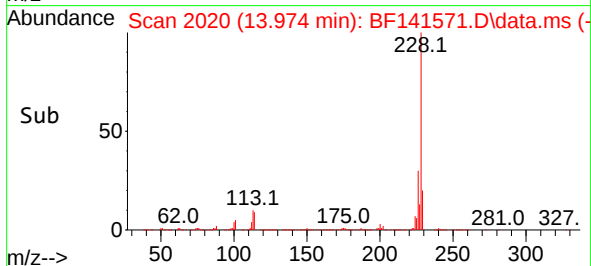
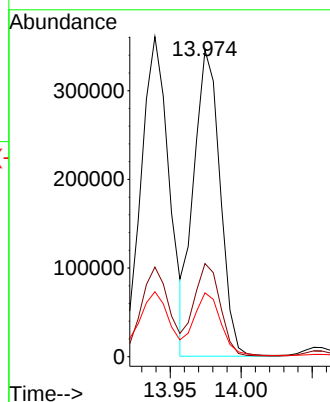
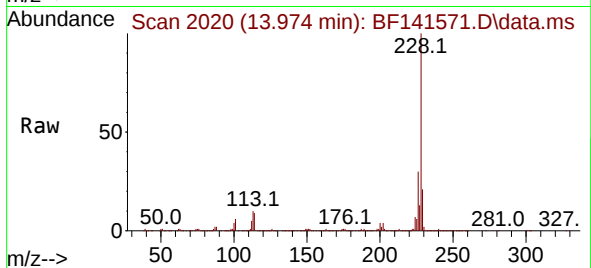
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	20.8	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 28.385 ng

RT: 13.927 min Scan# 2012

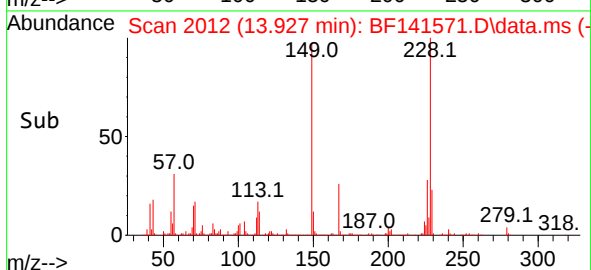
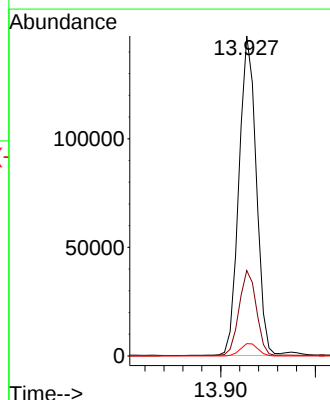
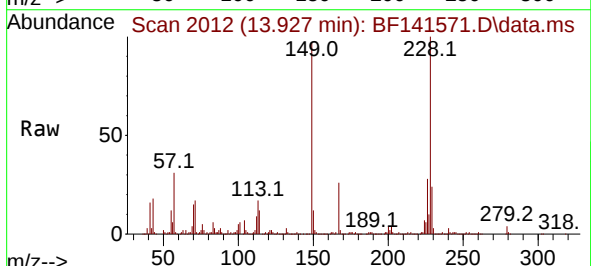
Delta R.T. -0.012 min

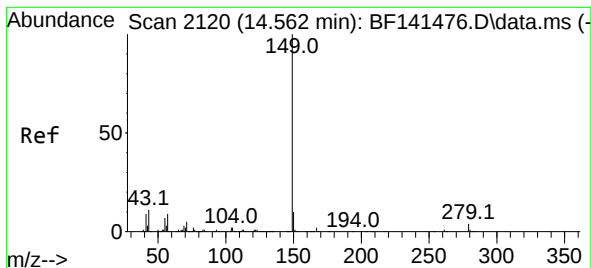
Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:149 Resp: 186270

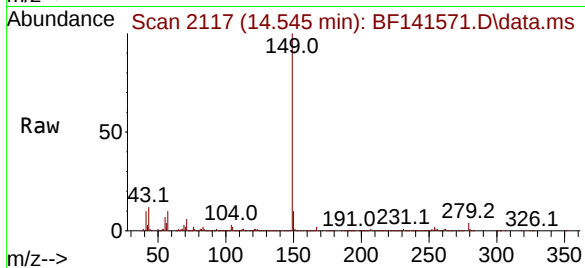
Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	3.8	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 33.657 ng
RT: 14.545 min Scan# 2117
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

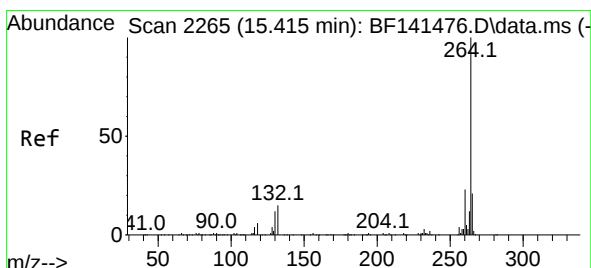
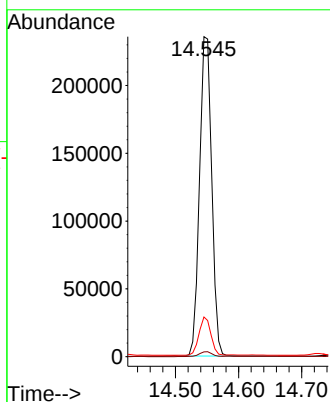
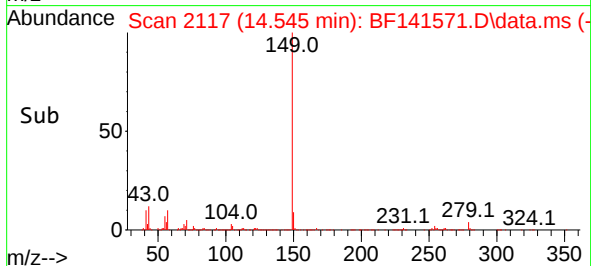
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



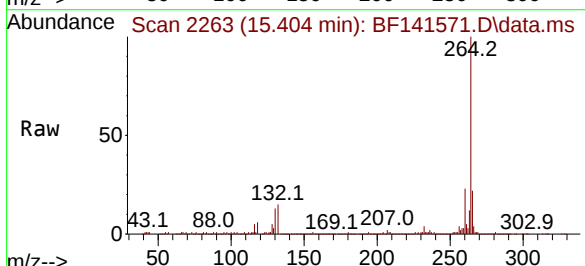
Tgt Ion:149 Resp: 315092
Ion Ratio Lower Upper
149 100
167 2.0 1.3 1.9
43 11.7 9.5 14.3

Manual Integrations
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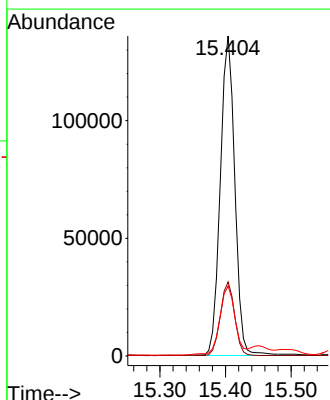
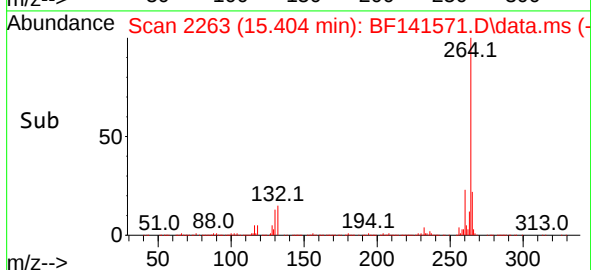
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

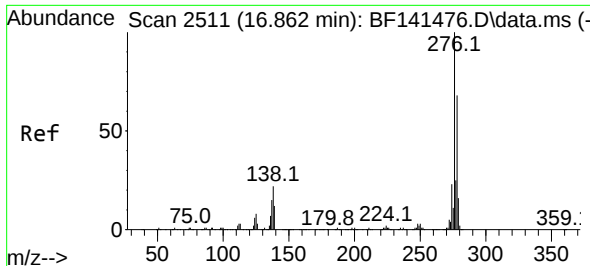


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



Tgt Ion:264 Resp: 207858
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.9 17.0 25.4





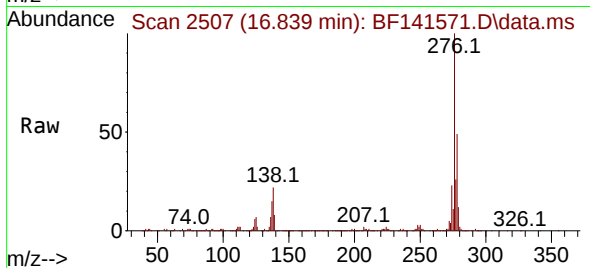
#87
Indeno(1,2,3-cd)pyrene
Concen: 24.934 ng
RT: 16.839 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

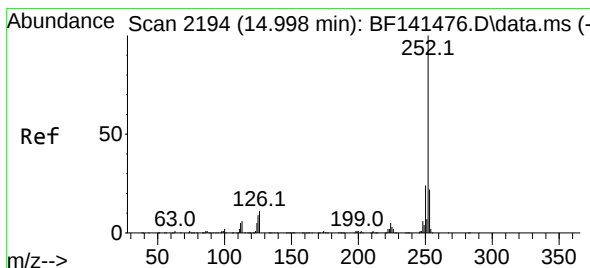
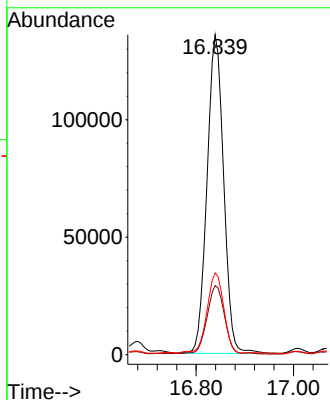
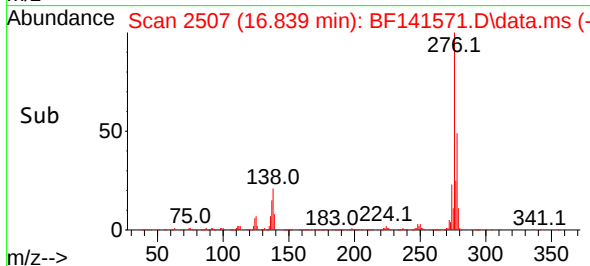
SOIL-COMPMSD



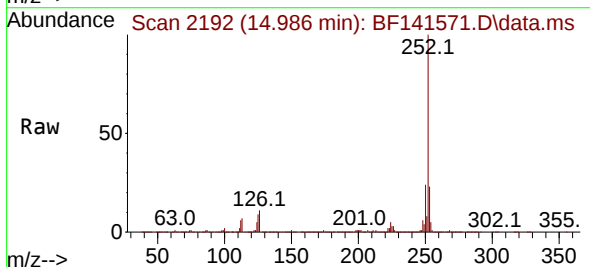
Tgt Ion:276 Resp: 32023
Ion Ratio Lower Upper
276 100
138 21.9 18.0 27.0
277 25.2 20.4 30.6

Manual Integrations
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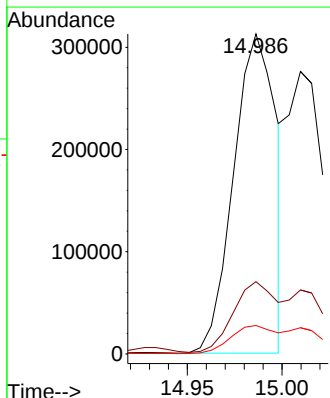
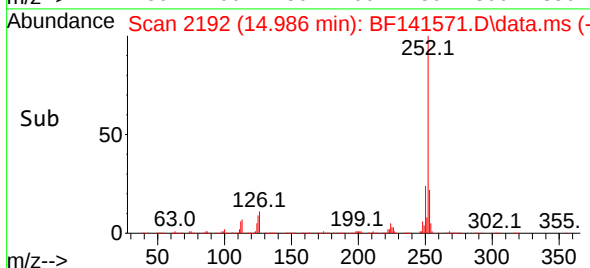
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

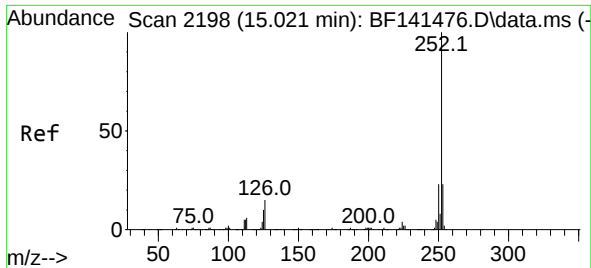


#88
Benzo(b)fluoranthene
Concen: 34.781 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19



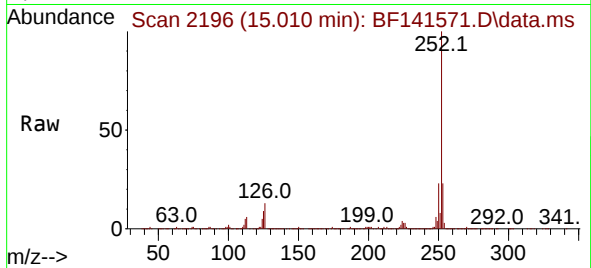
Tgt Ion:252 Resp: 485432
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.9 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 31.303 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

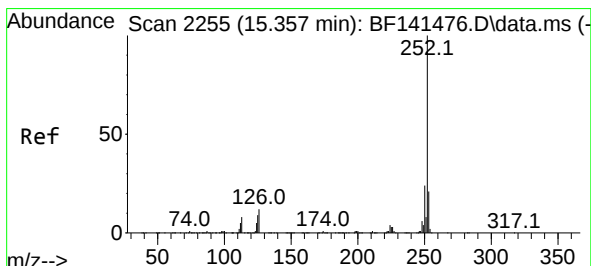
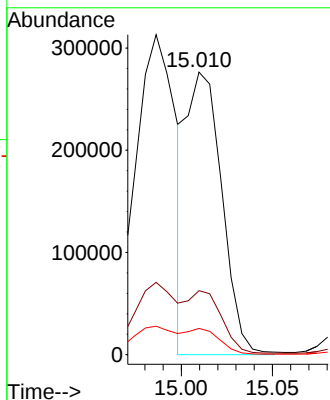
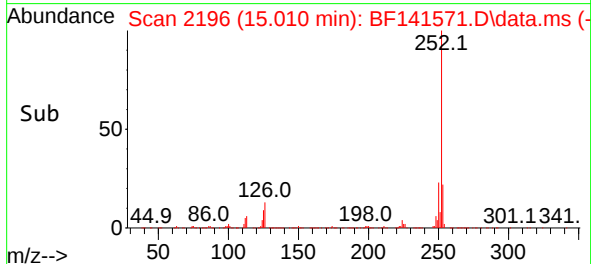
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMSD



Tgt Ion:252 Resp: 373059
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 9.3 7.4 11.0

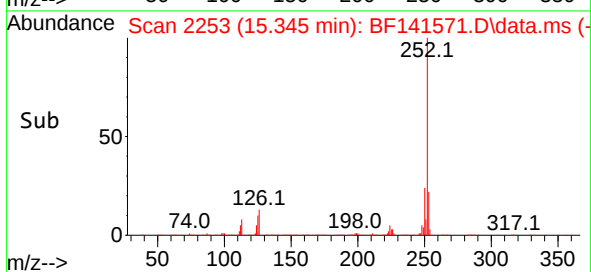
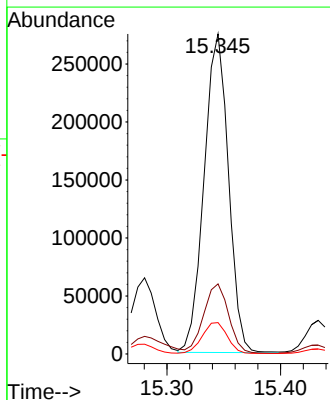
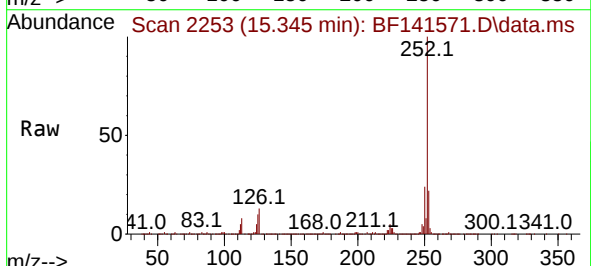
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#90
Benzo(a)pyrene
Concen: 36.300 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.017 min
Lab File: BF141571.D
Acq: 11 Feb 2025 19:19

Tgt Ion:252 Resp: 409943
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 9.8 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 22.007 ng

RT: 16.851 min Scan# 2509

Delta R.T. -0.041 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMSD

Tgt Ion:278 Resp: 22902

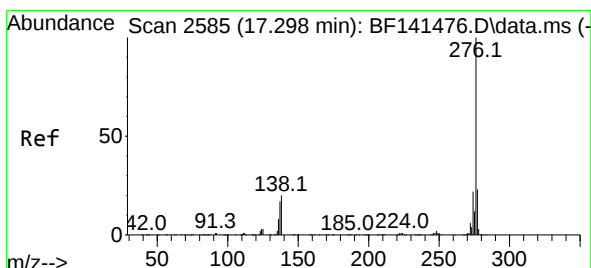
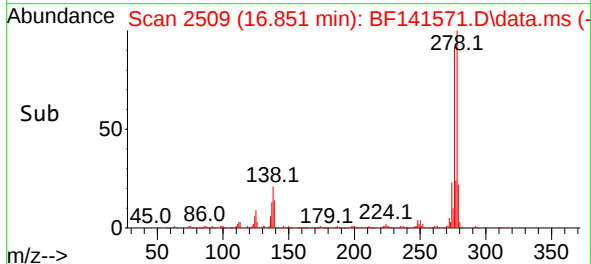
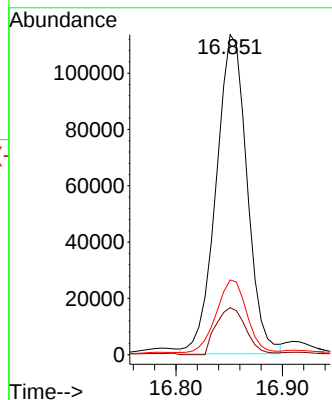
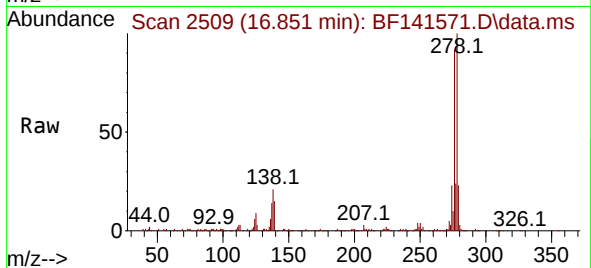
Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.8	17.6
279	23.3	19.1	28.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 21.684 ng

RT: 17.274 min Scan# 2581

Delta R.T. -0.041 min

Lab File: BF141571.D

Acq: 11 Feb 2025 19:19

Tgt Ion:276 Resp: 236150

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	19.9	15.9	23.9

