

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081024\
 Data File : BF138907.D
 Acq On : 10 Aug 2024 13:47
 Operator : RC/JU
 Sample : P3464-02MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOILMS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 12 01:13:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	33698	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	136116	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	74378	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	121648	20.000	ng	0.00
76) Chrysene-d12	14.004	240	62393	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	73011	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	124829	57.182	ng	0.00
7) Phenol-d6	6.481	99	104096	35.517	ng	0.00
23) Nitrobenzene-d5	7.410	82	273765	98.333	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	94578	155.235	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	507527	102.525	ng	0.00
79) Terphenyl-d14	12.939	244	404599	108.571	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	16570	17.338	ng	# 94
3) Pyridine	3.387	79	37851	16.349	ng	96
4) n-Nitrosodimethylamine	3.328	42	35478	25.729	ng	83
6) Aniline	6.504	93	94416	36.122	ng	98
8) 2-Chlorophenol	6.634	128	102054	44.434	ng	96
9) Benzaldehyde	6.398	77	6947	3.954	ng	96
10) Phenol	6.498	94	50674	16.421	ng	# 26
11) bis(2-Chloroethyl)ether	6.575	93	121333	51.094	ng	100
12) 1,3-Dichlorobenzene	6.781	146	110657	43.041	ng	99
13) 1,4-Dichlorobenzene	6.857	146	114242	44.031	ng	99
14) 1,2-Dichlorobenzene	7.010	146	111652	46.046	ng	100
15) Benzyl Alcohol	6.987	79	82394	39.004	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	208501	51.018	ng	73
17) 2-Methylphenol	7.104	107	68892	36.325	ng	# 79
18) Hexachloroethane	7.345	117	42414	43.428	ng	98
19) n-Nitroso-di-n-propyla...	7.257	70	106241	60.016	ng	99
20) 3+4-Methylphenols	7.257	107	83399	34.273	ng	# 84
22) Acetophenone	7.251	105	189221	56.776	ng	95
24) Nitrobenzene	7.428	77	154687	54.602	ng	99
25) Isophorone	7.663	82	284629	59.873	ng	97
26) 2-Nitrophenol	7.739	139	67886	55.697	ng	93
27) 2,4-Dimethylphenol	7.781	122	82841	56.807	ng	97
28) bis(2-Chloroethoxy)met...	7.869	93	161543	55.801	ng	99
29) 2,4-Dichlorophenol	7.987	162	102560	54.731	ng	99
30) 1,2,4-Trichlorobenzene	8.063	180	110308	51.009	ng	98
31) Naphthalene	8.145	128	374831	52.316	ng	100
32) Benzoic acid	7.904	122	10206	8.903	ng	96
33) 4-Chloroaniline	8.198	127	114925	47.785	ng	99
34) Hexachlorobutadiene	8.251	225	60566	46.240	ng	99
35) Caprolactam	8.581	113	5489	9.817	ng	92
36) 4-Chloro-3-methylphenol	8.681	107	115661	54.007	ng	97
37) 2-Methylnaphthalene	8.834	142	260916	57.662	ng	100
38) 1-Methylnaphthalene	8.934	142	240131	54.157	ng	96
40) 1,2,4,5-Tetrachloroben...	8.998	216	111960	54.188	ng	99
41) Hexachlorocyclopentadiene	8.981	237	59070	105.575	ng	100
43) 2,4,6-Trichlorophenol	9.116	196	73013	57.959	ng	99

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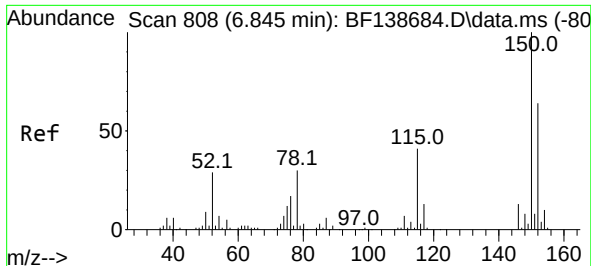
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	76621	55.637	ng	97
46) 1,1'-Biphenyl	9.298	154	323540	55.542	ng	99
47) 2-Chloronaphthalene	9.322	162	251476	58.046	ng	99
48) 2-Nitroaniline	9.428	65	97994	66.721	ng	96
49) Acenaphthylene	9.739	152	401425	65.330	ng	99
50) Dimethylphthalate	9.604	163	323735	68.071	ng	99
51) 2,6-Dinitrotoluene	9.669	165	68375	63.705	ng	89
52) Acenaphthene	9.910	154	249912	60.504	ng	99
53) 3-Nitroaniline	9.839	138	55252	49.797	ng	96
54) 2,4-Dinitrophenol	9.957	184	56140	113.626	ng	84
55) Dibenzofuran	10.081	168	369796	63.423	ng	97
56) 4-Nitrophenol	10.022	139	15177	22.746	ng	# 80
57) 2,4-Dinitrotoluene	10.075	165	93498	68.279	ng	# 86
58) Fluorene	10.428	166	302940	65.245	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.204	232	61723	58.624	ng	95
60) Diethylphthalate	10.298	149	306035	67.867	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	147323	64.514	ng	97
62) 4-Nitroaniline	10.457	138	61581	58.403	ng	89
63) Azobenzene	10.575	77	319520	63.887	ng	97
65) 4,6-Dinitro-2-methylph...	10.486	198	46604	62.795	ng	92
66) n-Nitrosodiphenylamine	10.539	169	254969	67.054	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	85736	65.096	ng	99
68) Hexachlorobenzene	10.975	284	88485	65.068	ng	97
69) Atrazine	11.063	200	67829	69.140	ng	99
70) Pentachlorophenol	11.175	266	65477	106.821	ng	98
71) Phenanthrene	11.386	178	413060	65.943	ng	100
72) Anthracene	11.439	178	414782	67.217	ng	99
73) Carbazole	11.598	167	328867	61.772	ng	99
74) Di-n-butylphthalate	11.916	149	408943	68.329	ng	99
75) Fluoranthene	12.574	202	342213	58.521	ng	98
77) Benzidine	12.698	184	32434	21.734	ng	99
78) Pyrene	12.804	202	334380	56.921	ng	100
80) Butylbenzylphthalate	13.410	149	125046	66.472	ng	99
81) Benzo(a)anthracene	13.992	228	278332	64.781	ng	99
82) 3,3'-Dichlorobenzidine	13.951	252	76462	69.543	ng	99
83) Chrysene	14.027	228	247754	63.915	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	183232	66.517	ng	97
85) Di-n-octyl phthalate	14.574	149	325621	63.890	ng	100
87) Indeno(1,2,3-cd)pyrene	16.945	276	314070	60.026	ng	96
88) Benzo(b)fluoranthene	15.039	252	278087	61.443	ng	98
89) Benzo(k)fluoranthene	15.068	252	277495m	70.814	ng	
90) Benzo(a)pyrene	15.404	252	266225	69.931	ng	98
91) Dibenzo(a,h)anthracene	16.957	278	252751	58.848	ng	98
92) Benzo(g,h,i)perylene	17.386	276	228743	51.323	ng	97

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

Manual Integrations

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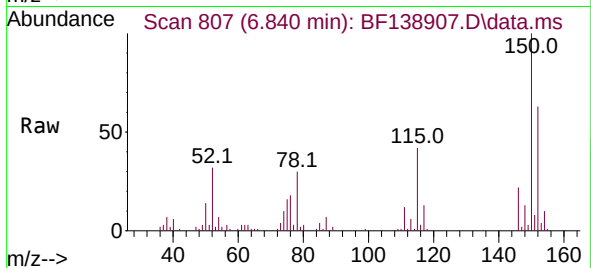
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

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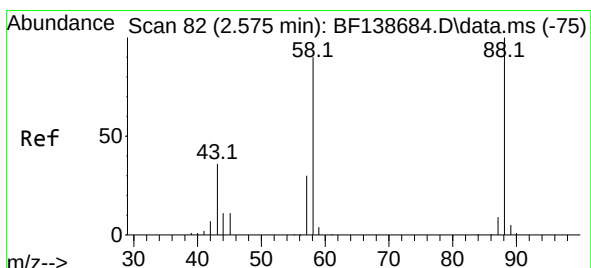
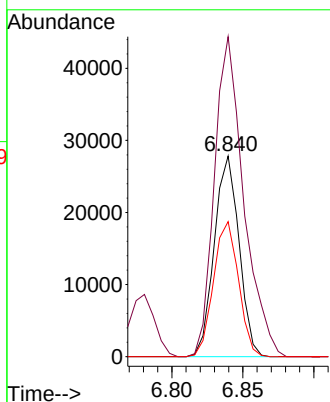
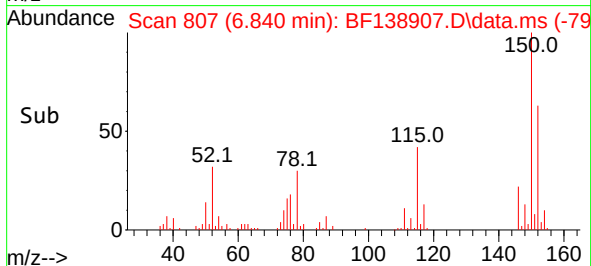


Tgt Ion:152 Resp: 33698
Ion Ratio Lower Upper
152 100
150 159.5 126.0 189.0
115 67.3 51.7 77.5

Manual Integrations

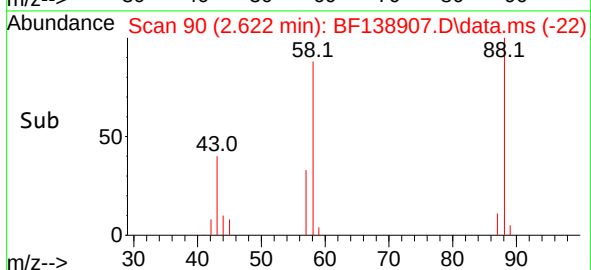
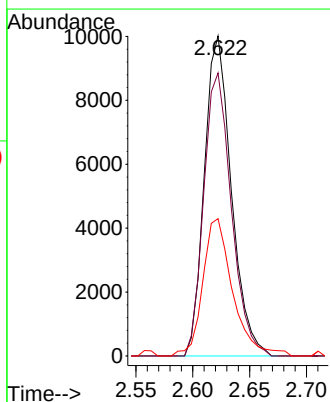
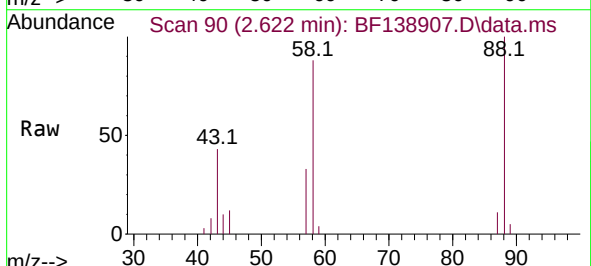
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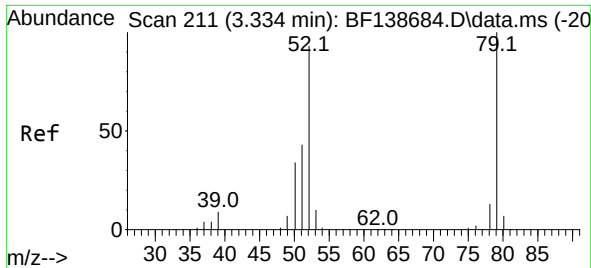
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#2
1,4-Dioxane
Concen: 17.338 ng
RT: 2.622 min Scan# 90
Delta R.T. 0.047 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion: 88 Resp: 16570
Ion Ratio Lower Upper
88 100
58 90.4 71.6 107.4
43 47.5 28.7 43.1#





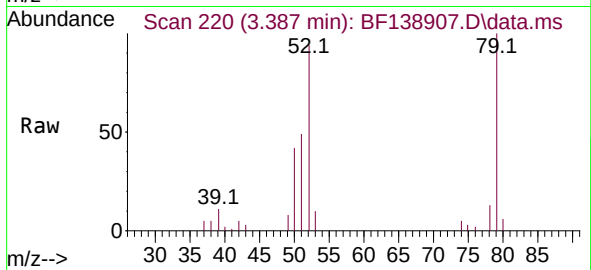
#3
Pyridine
Concen: 16.349 ng
RT: 3.387 min Scan# 210
Delta R.T. 0.053 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

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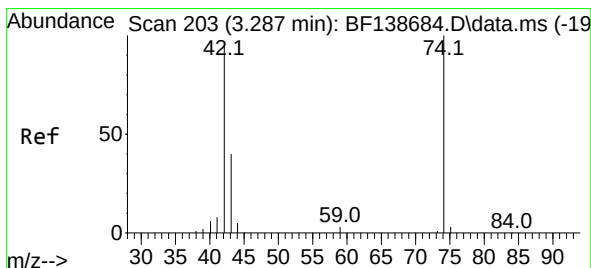
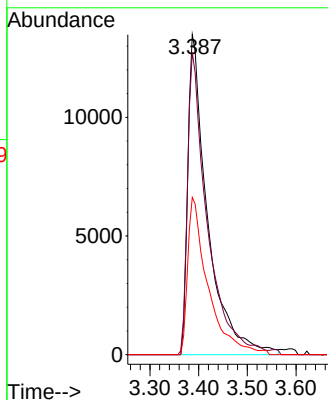
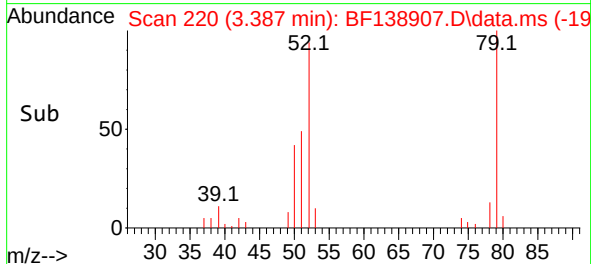


Tgt Ion: 79 Resp: 3785
Ion Ratio Lower Upper
79 100
52 94.5 74.7 112.1
51 49.1 34.6 51.8

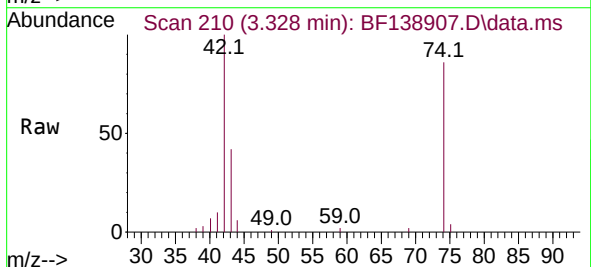
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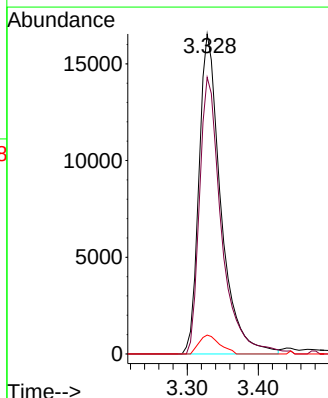
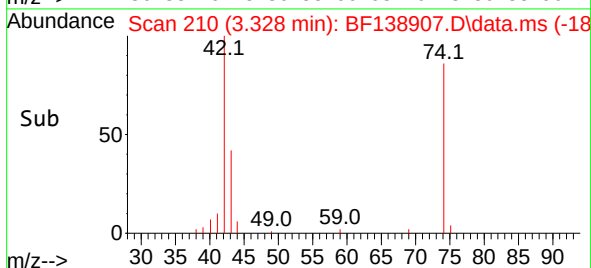
Reviewed By :Jagrut Upadhyay 08/12/2024
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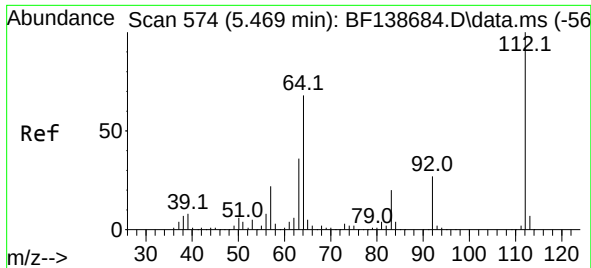


#4
n-Nitrosodimethylamine
Concen: 25.729 ng
RT: 3.328 min Scan# 210
Delta R.T. 0.041 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion: 42 Resp: 35478
Ion Ratio Lower Upper
42 100
74 86.4 84.2 126.4
44 5.9 4.9 7.3





#5
2-Fluorophenol
Concen: 57.182 ng
RT: 5.469 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

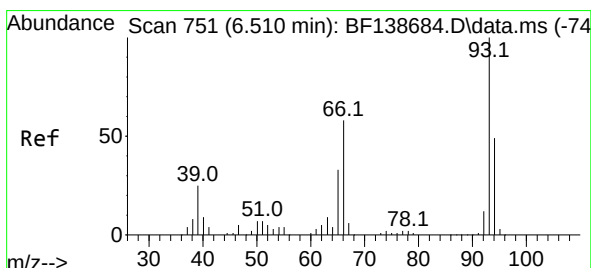
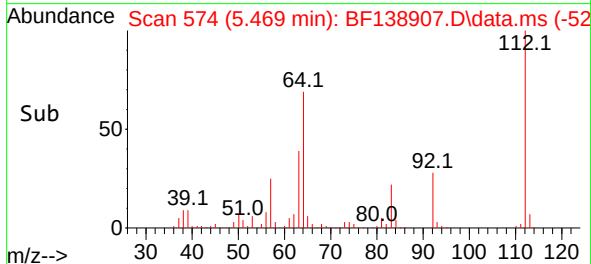
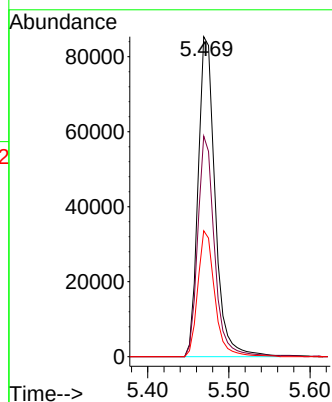
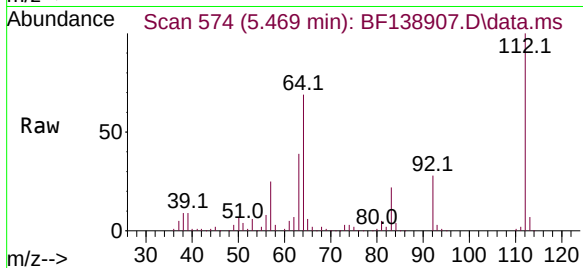
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Tgt Ion:112 Resp: 124829
Ion Ratio Lower Upper
112 100
64 68.9 54.2 81.4
63 39.3 28.7 43.1

Manual Integrations

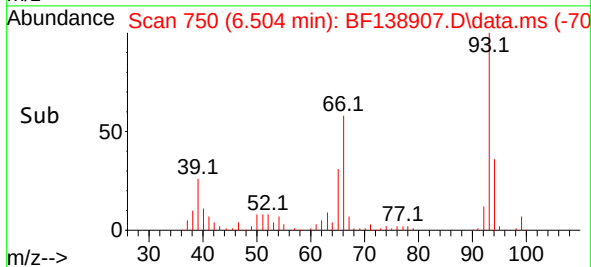
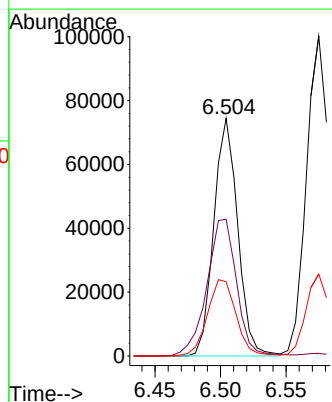
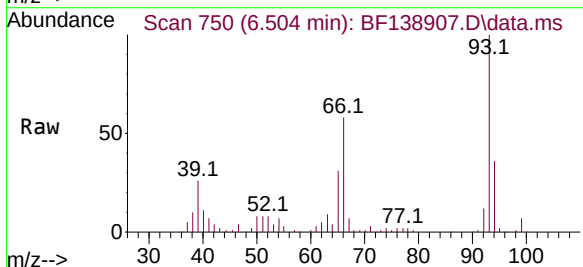
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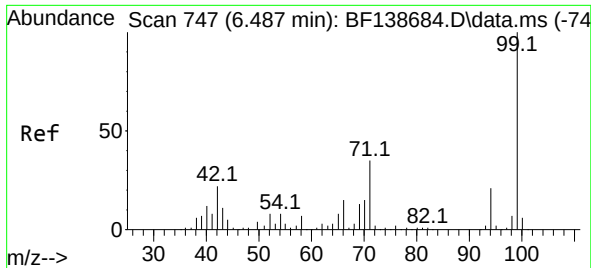
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#6
Aniline
Concen: 36.122 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion: 93 Resp: 94416
Ion Ratio Lower Upper
93 100
66 57.6 46.9 70.3
65 31.3 26.5 39.7





#7

Phenol-d6

Concen: 35.517 ng

RT: 6.481 min Scan# 747

Delta R.T. -0.006 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 104090

Ion Ratio Lower Upper

99 100

42 25.4 17.4 26.0

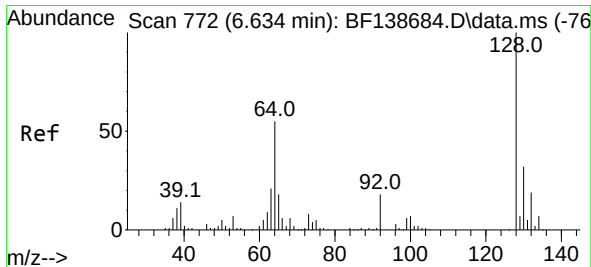
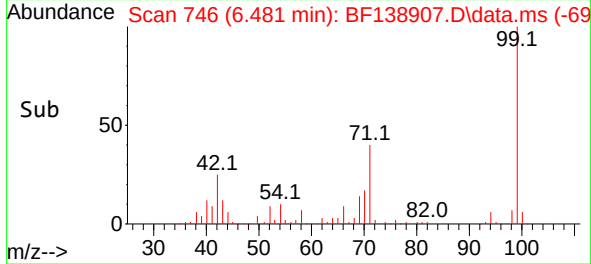
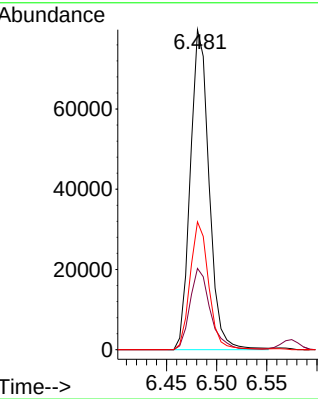
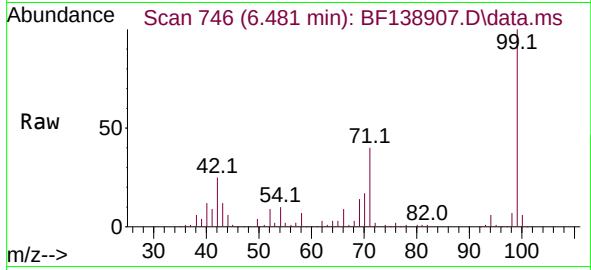
71 39.9 28.1 42.1

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.434 ng

RT: 6.634 min Scan# 772

Delta R.T. 0.000 min

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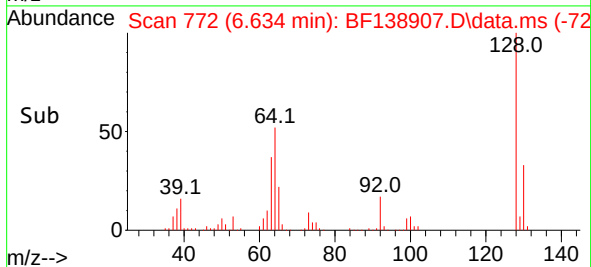
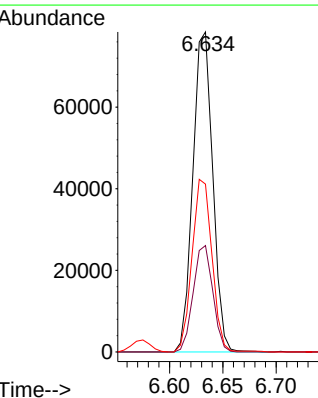
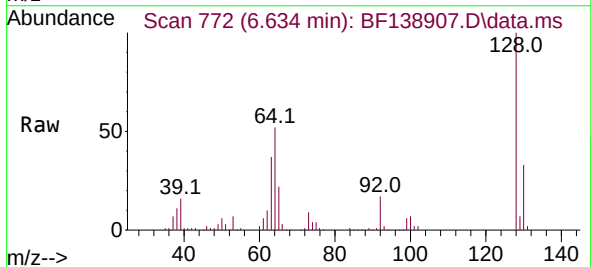
Tgt Ion:128 Resp: 102054

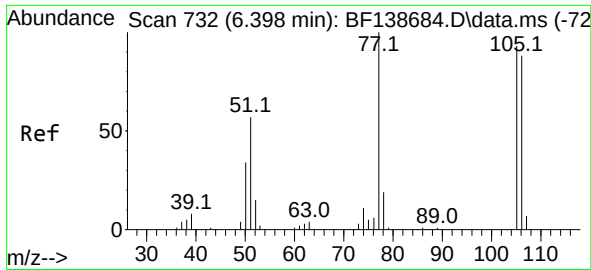
Ion Ratio Lower Upper

128 100

130 33.3 12.0 52.0

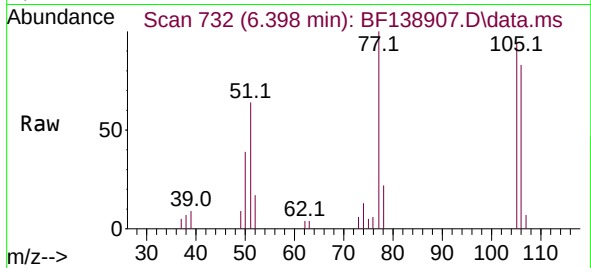
64 52.4 36.3 76.3





#9
Benzaldehyde
Concen: 3.954 ng
RT: 6.398 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

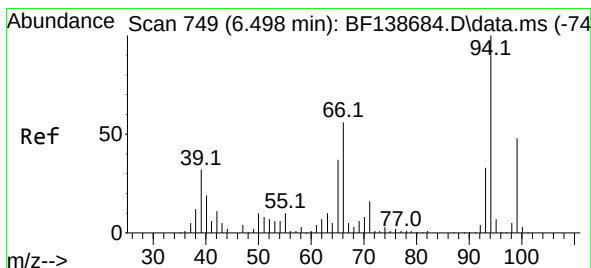
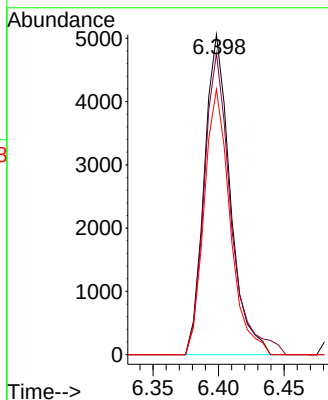
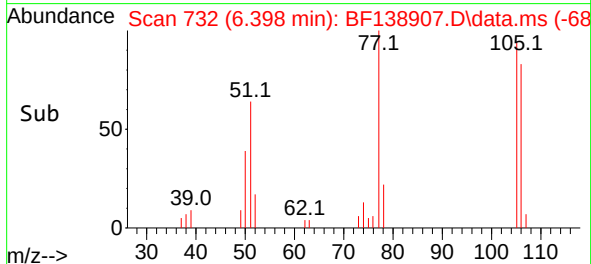
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Tgt Ion: 77 Resp: 694
Ion Ratio Lower Upper
77 100
105 94.2 72.9 112.9
106 83.0 68.4 108.4

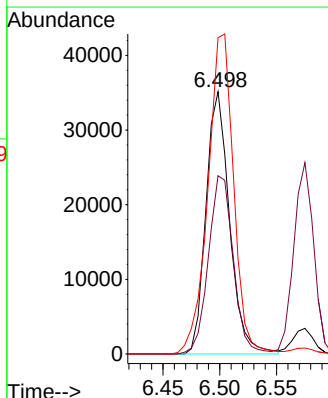
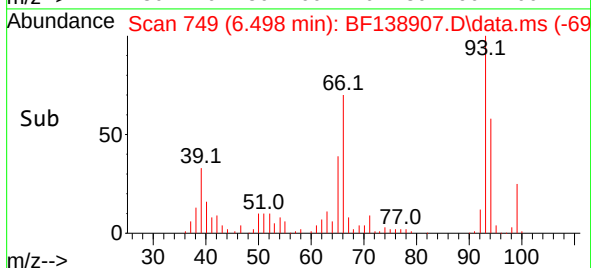
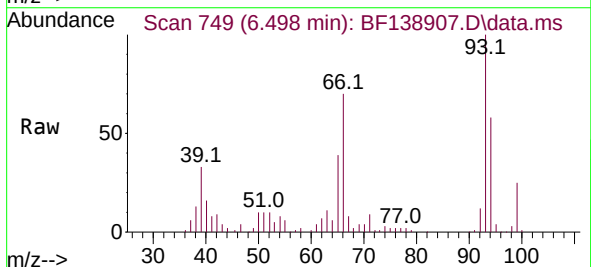
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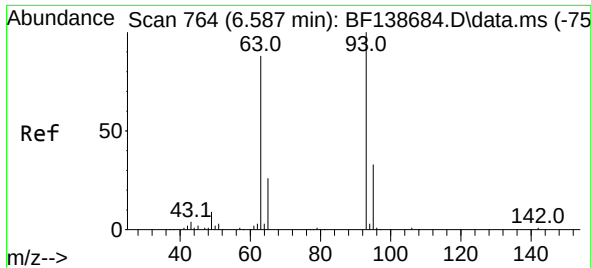
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#10
Phenol
Concen: 16.421 ng
RT: 6.498 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

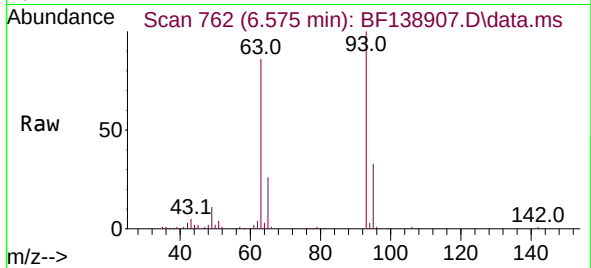
Tgt Ion: 94 Resp: 50674
Ion Ratio Lower Upper
94 100
65 68.0 16.9 56.9#
66 120.6 36.5 76.5#





#11
bis(2-Chloroethyl)ether
Concen: 51.094 ng
RT: 6.575 min Scan# 762
Delta R.T. -0.012 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

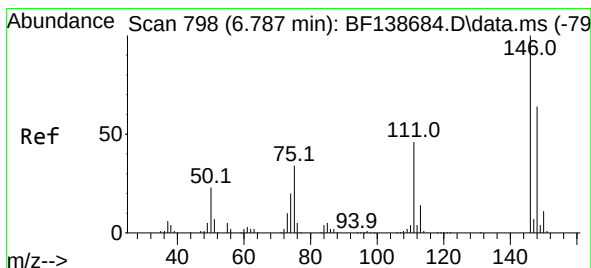
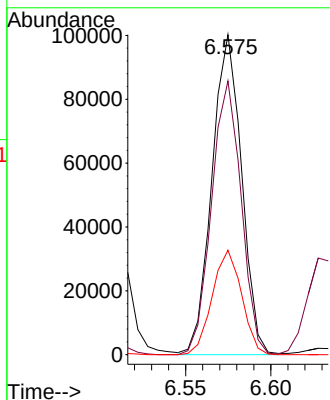
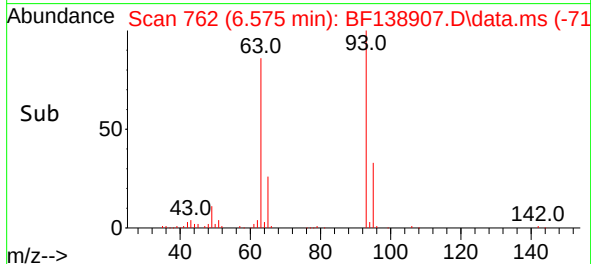
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



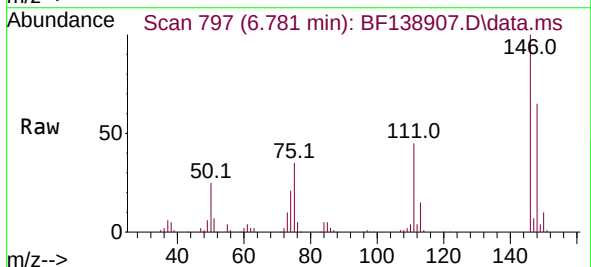
Tgt Ion: 93 Resp: 12133
Ion Ratio Lower Upper
93 100
63 85.6 65.3 105.3
95 32.6 12.4 52.4

Manual Integrations
APPROVED

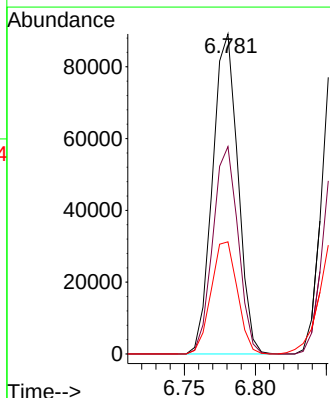
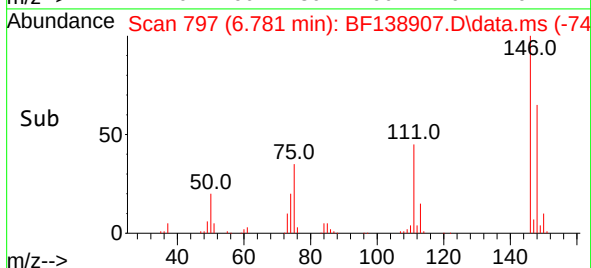
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

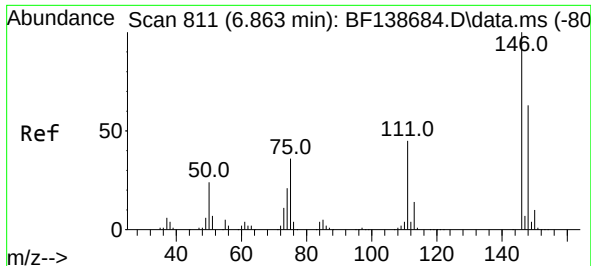


#12
1,3-Dichlorobenzene
Concen: 43.041 ng
RT: 6.781 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:146 Resp: 110657
Ion Ratio Lower Upper
146 100
148 64.8 51.2 76.8
75 35.1 27.4 41.2





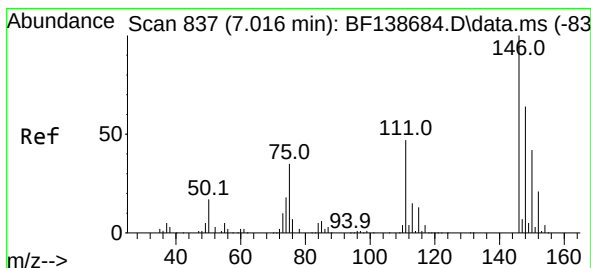
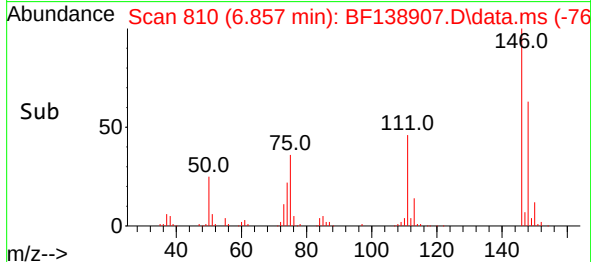
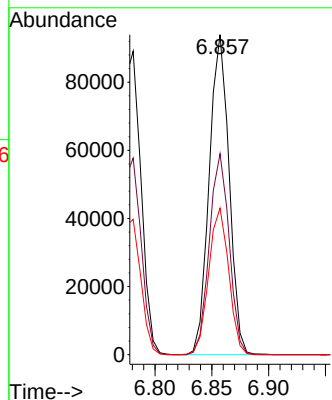
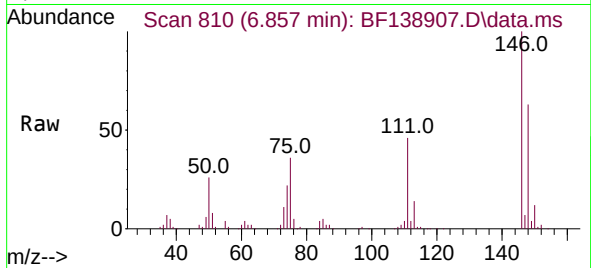
#13
1,4-Dichlorobenzene
Concen: 44.031 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:146 Resp: 11424
Ion Ratio Lower Upper
146 100
148 62.8 50.2 75.2
111 45.8 35.9 53.9

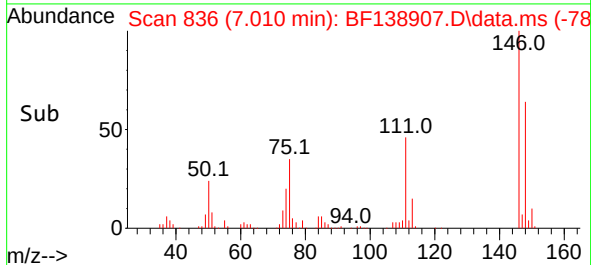
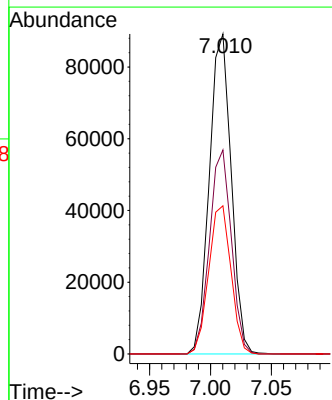
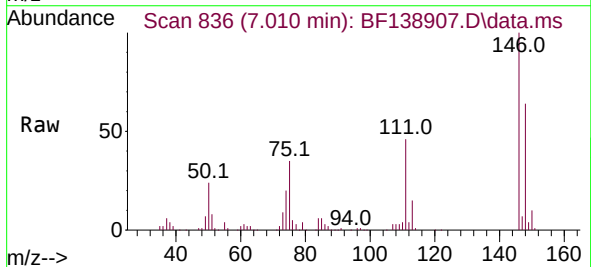
Manual Integrations
APPROVED

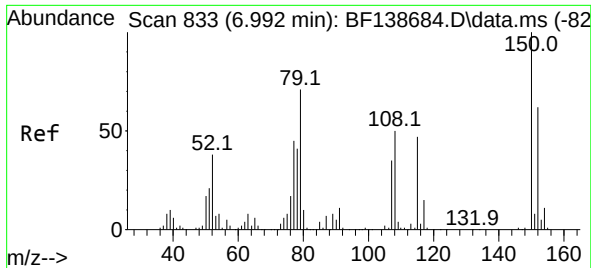
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#14
1,2-Dichlorobenzene
Concen: 46.046 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:146 Resp: 111652
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.3 37.4 56.2





#15
Benzyl Alcohol
Concen: 39.004 ng
RT: 6.987 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

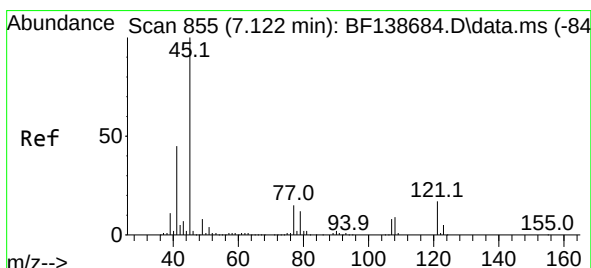
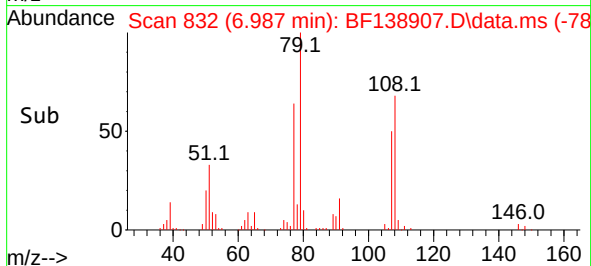
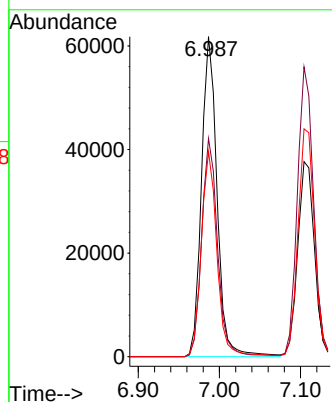
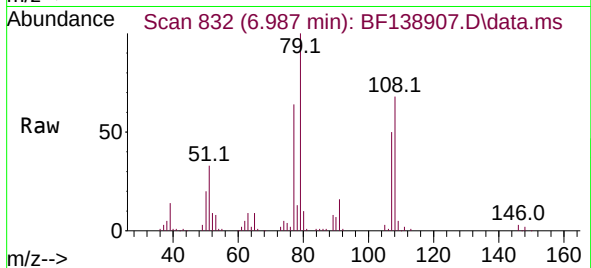
TOPSOILMS

Tgt Ion: 79 Resp: 82394
Ion Ratio Lower Upper
79 100
108 68.2 56.6 85.0
77 64.0 50.3 75.5

Manual Integrations

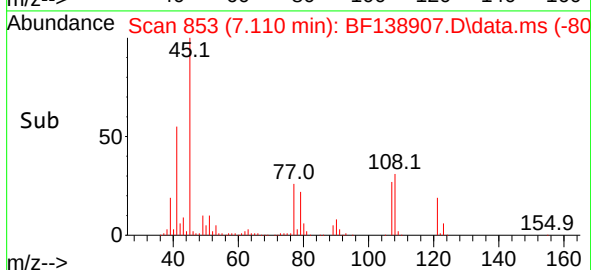
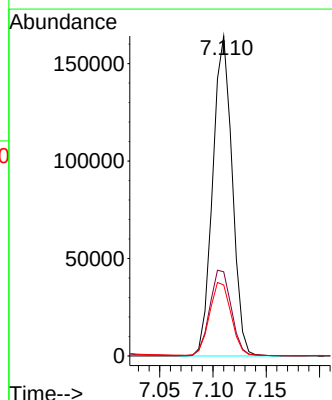
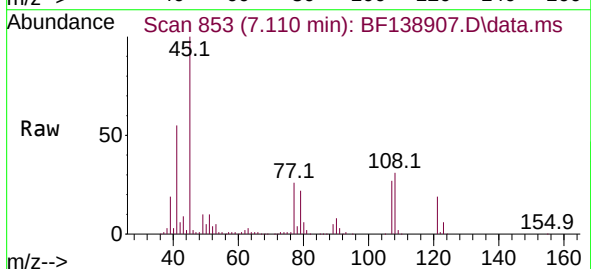
APPROVED

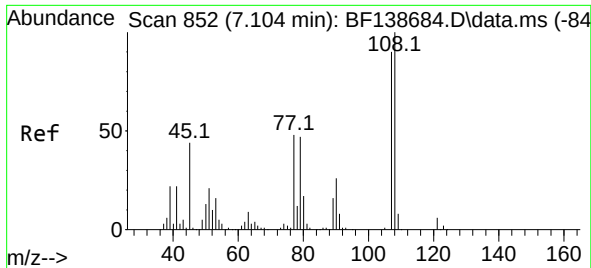
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.018 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.012 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion: 45 Resp: 208501
Ion Ratio Lower Upper
45 100
77 26.3 0.0 34.9
79 22.2 0.0 32.2





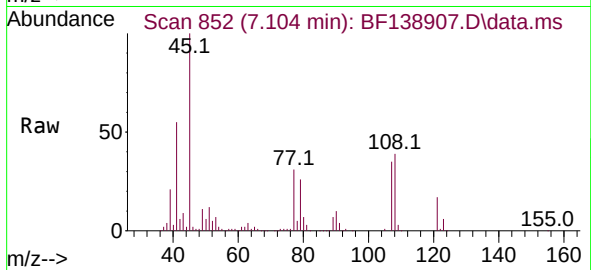
#17
2-Methylphenol
Concen: 36.325 ng
RT: 7.104 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

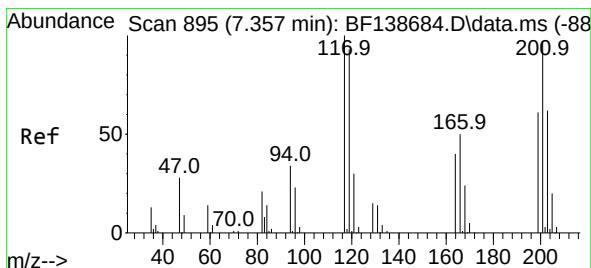
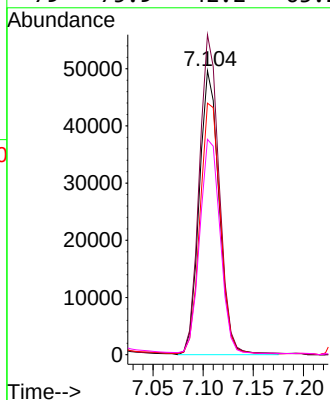
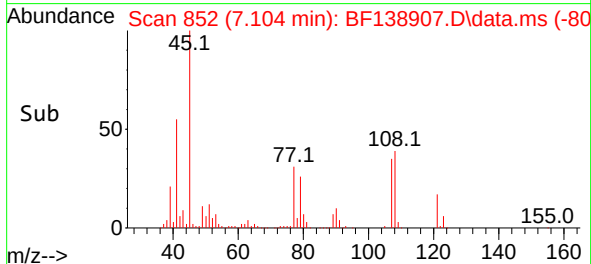


Tgt Ion:107 Resp: 68892
Ion Ratio Lower Upper
107 100
108 112.7 89.2 133.8
77 88.6 43.0 64.4
79 75.9 42.2 63.2

Manual Integrations

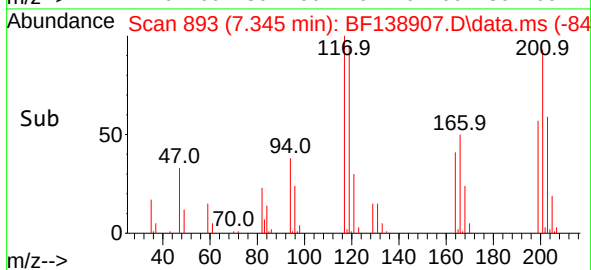
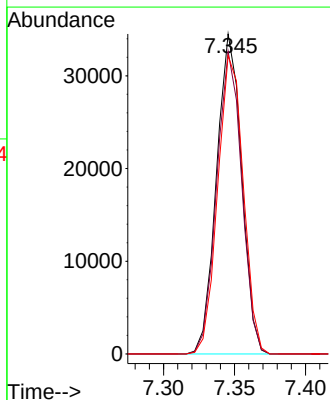
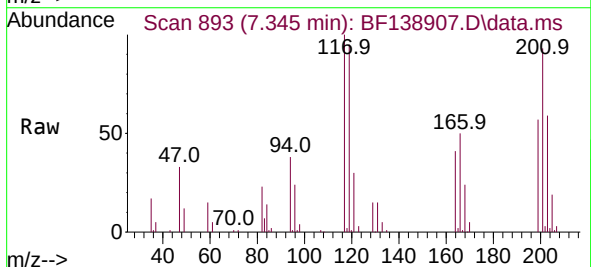
APPROVED

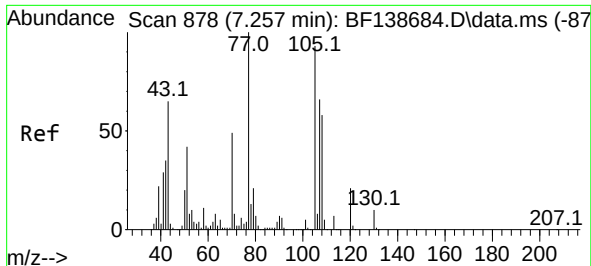
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#18
Hexachloroethane
Concen: 43.428 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:117 Resp: 42414
Ion Ratio Lower Upper
117 100
119 94.5 74.6 111.8
201 93.3 77.2 115.8





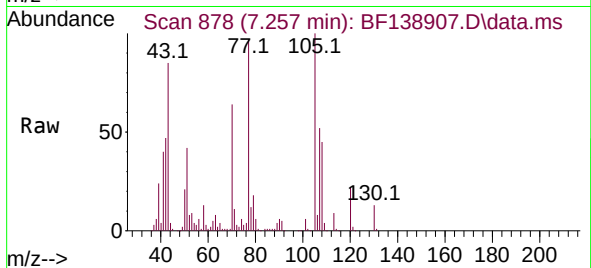
#19
n-Nitroso-di-n-propylamine
Concen: 60.016 ng
RT: 7.257 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

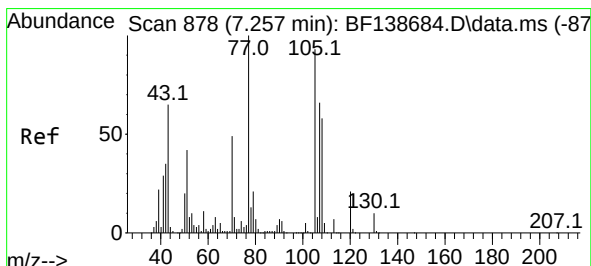
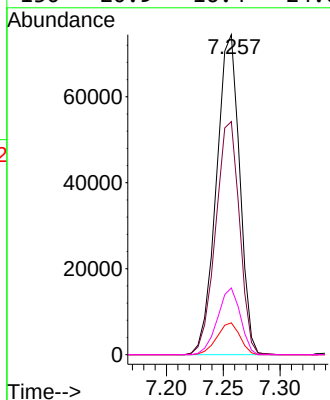
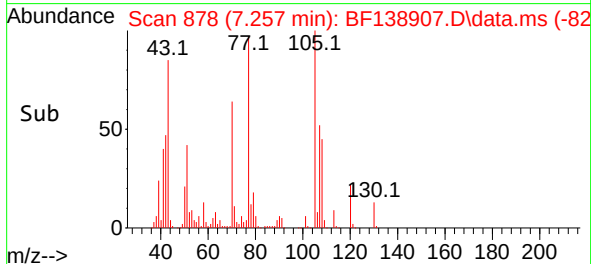


Tgt Ion:	70	Resp:	10624
Ion Ratio	Lower	Upper	
70	100		
42	72.8	57.4	86.0
101	10.0	7.5	11.3
130	20.9	16.4	24.6

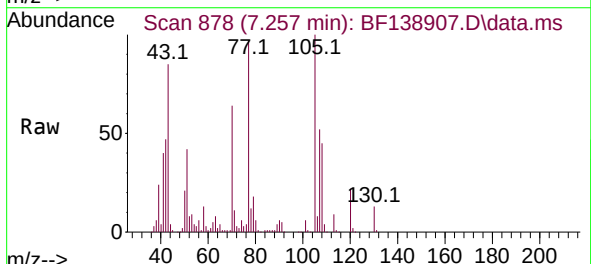
Manual Integrations

APPROVED

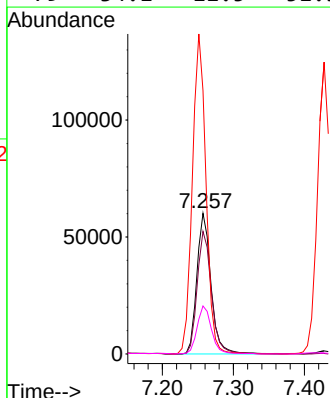
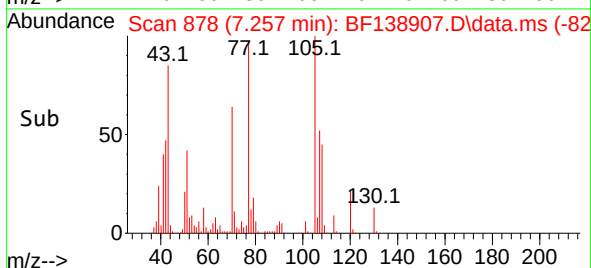
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

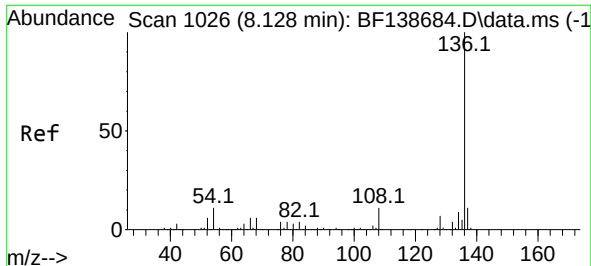


#20
3+4-Methylphenols
Concen: 34.273 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:	107	Resp:	83399
Ion Ratio	Lower	Upper	
107	100		
108	87.1	68.2	108.2
77	187.1	132.1	172.1#
79	34.1	11.5	51.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

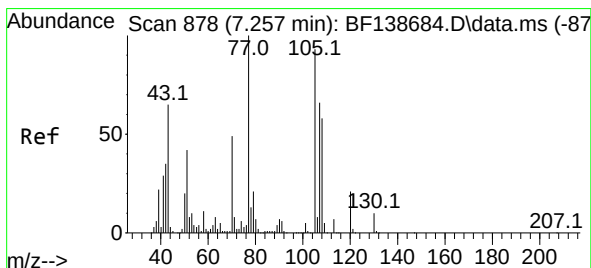
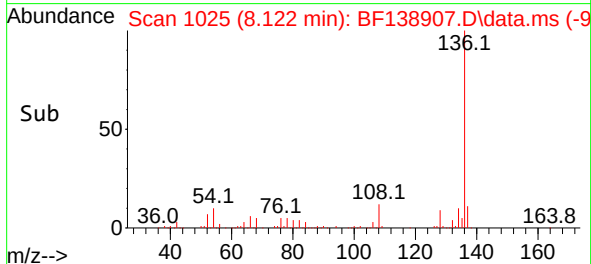
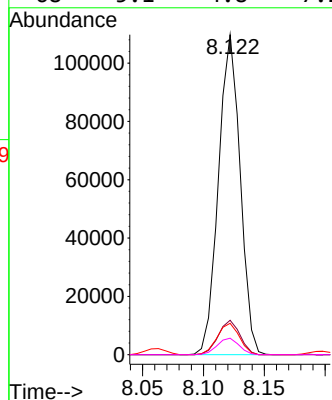
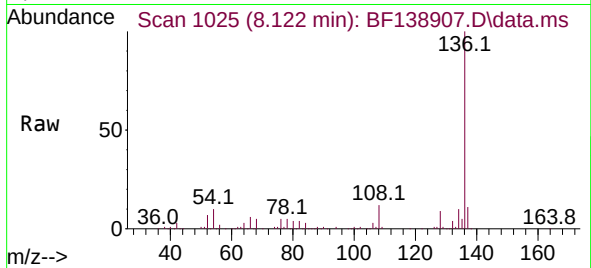
TOPSOILMS

Tgt Ion:136 Resp: 136110
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.8 8.6 12.8
68 5.1 4.8 7.2

Manual Integrations

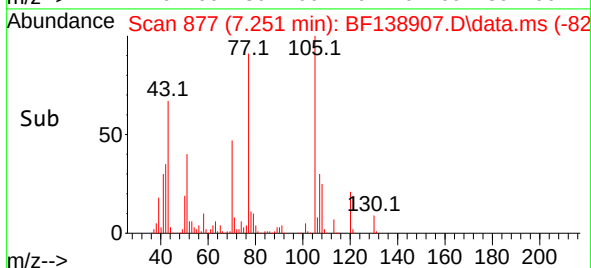
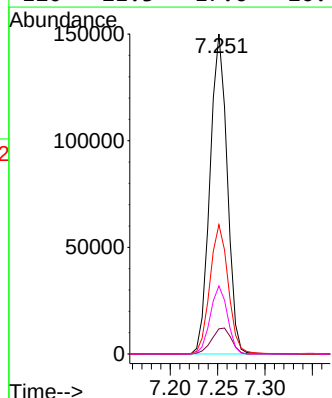
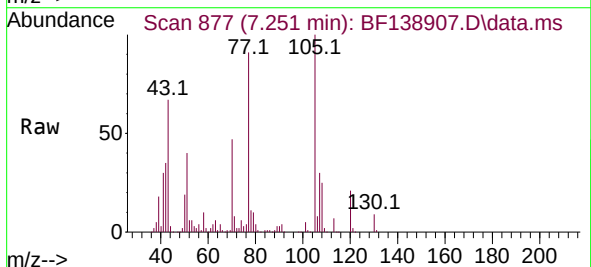
APPROVED

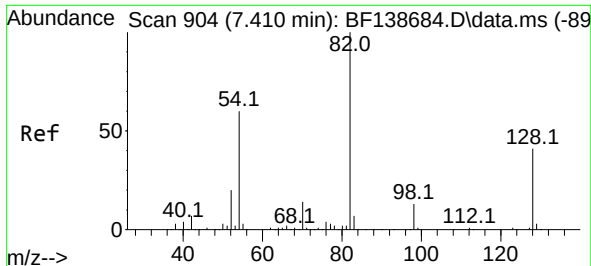
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#22
Acetophenone
Concen: 56.776 ng
RT: 7.251 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:105 Resp: 189221
Ion Ratio Lower Upper
105 100
71 7.9 7.2 10.8
51 40.4 35.9 53.9
120 21.3 17.6 26.4





#23

Nitrobenzene-d5

Concen: 98.333 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

Tgt Ion: 82 Resp: 27376

Ion Ratio Lower Upper

82 100

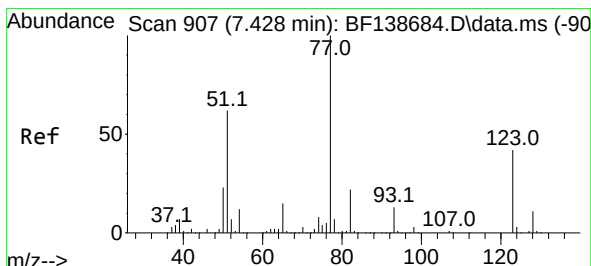
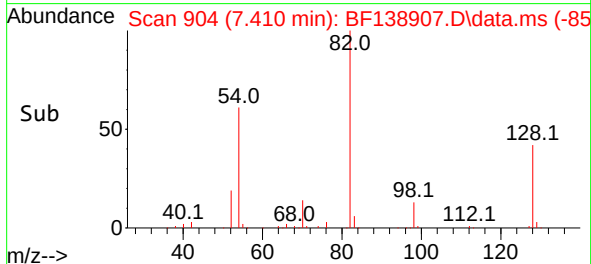
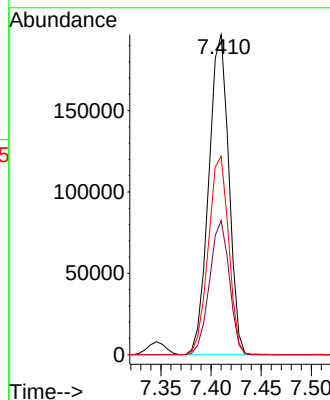
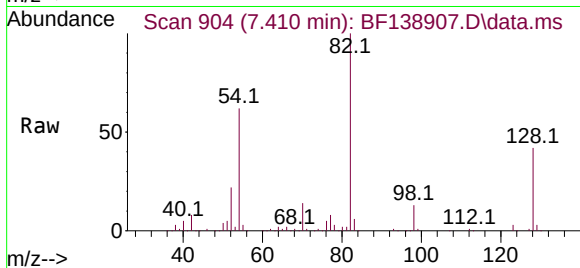
128 41.9 32.8 49.2

54 62.0 48.3 72.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#24

Nitrobenzene

Concen: 54.602 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

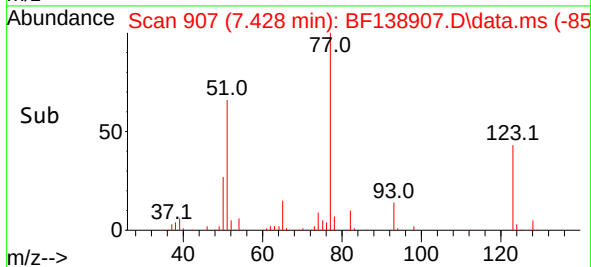
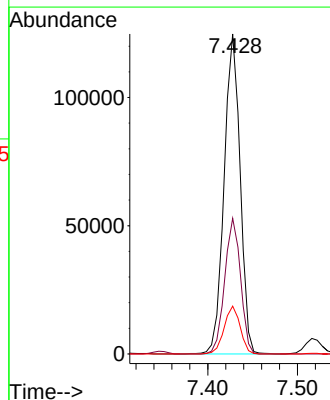
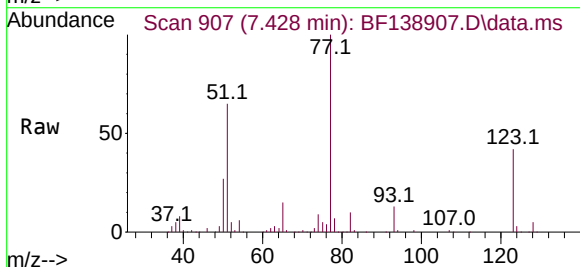
Tgt Ion: 77 Resp: 154687

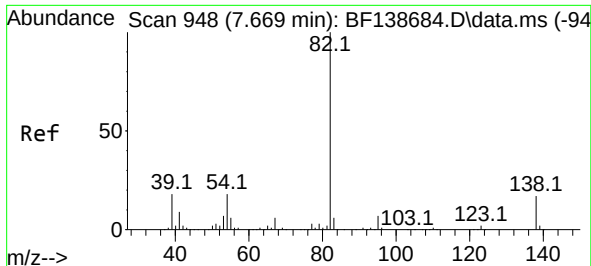
Ion Ratio Lower Upper

77 100

123 42.4 33.3 49.9

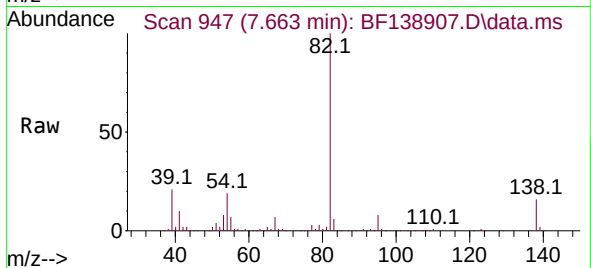
65 15.0 11.9 17.9





#25
Isophorone
Concen: 59.873 ng
RT: 7.663 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

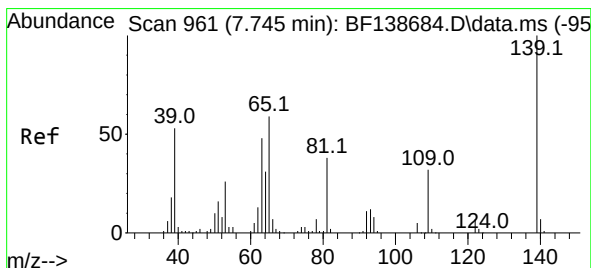
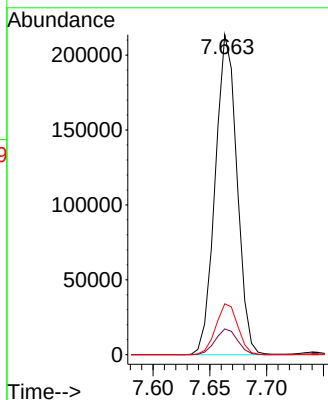
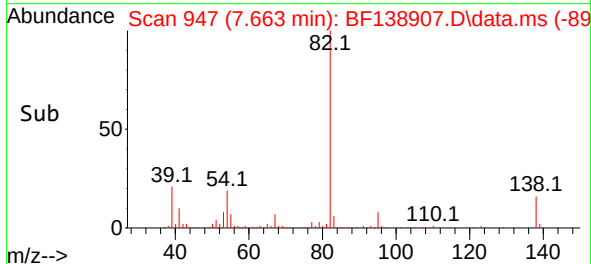
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



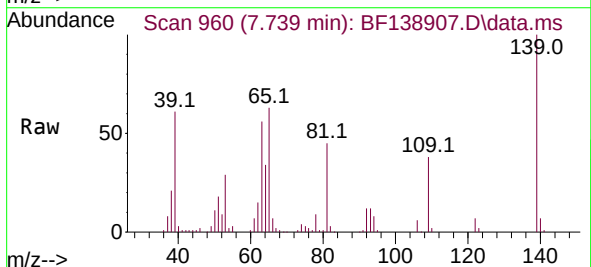
Tgt Ion: 82 Resp: 284629
Ion Ratio Lower Upper
82 100
95 8.1 5.7 8.5
138 15.9 13.7 20.5

Manual Integrations
APPROVED

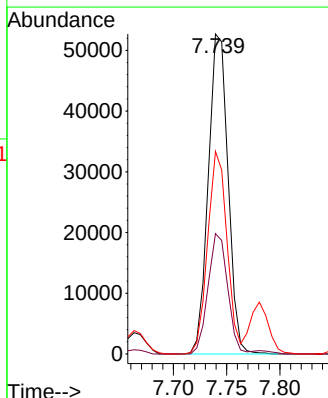
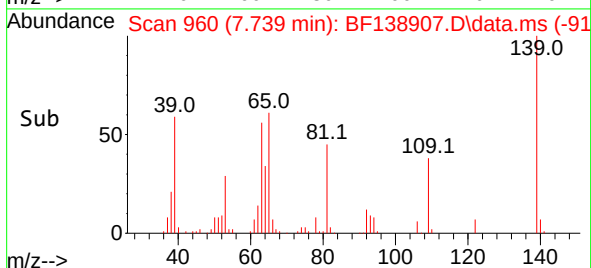
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

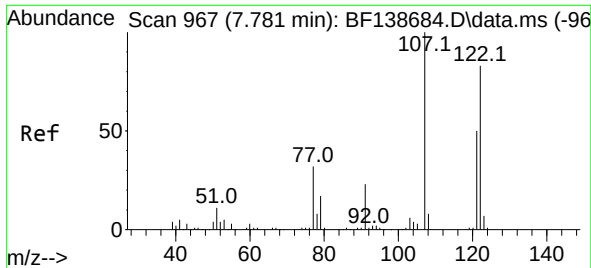


#26
2-Nitrophenol
Concen: 55.697 ng
RT: 7.739 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:139 Resp: 67886
Ion Ratio Lower Upper
139 100
109 37.6 25.9 38.9
65 63.3 47.0 70.6





#27
2,4-Dimethylphenol
Concen: 56.807 ng
RT: 7.781 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

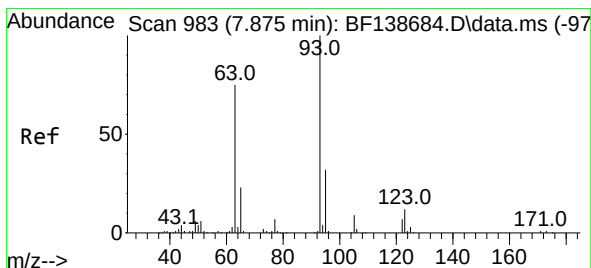
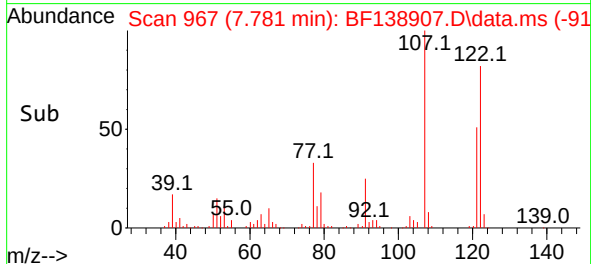
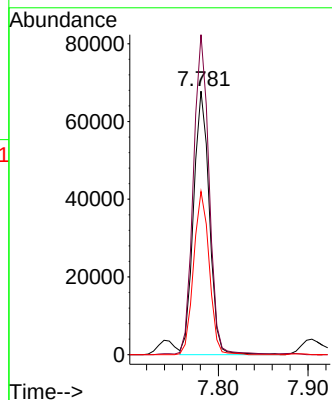
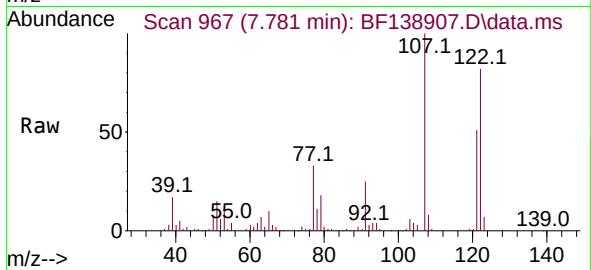
TOPSOILMS

Tgt Ion:122 Resp: 8284
Ion Ratio Lower Upper
122 100
107 121.4 95.0 142.6
121 61.9 47.3 70.9

Manual Integrations

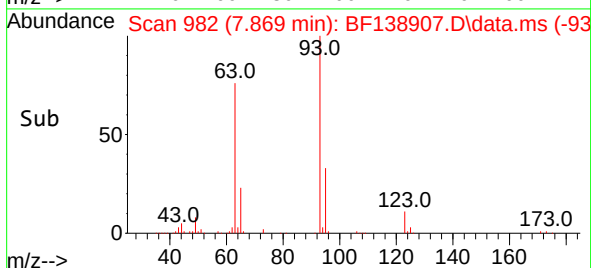
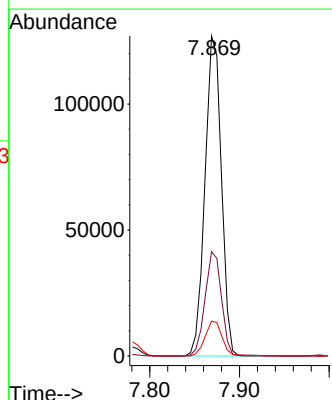
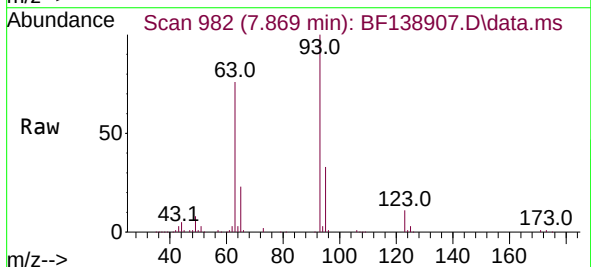
APPROVED

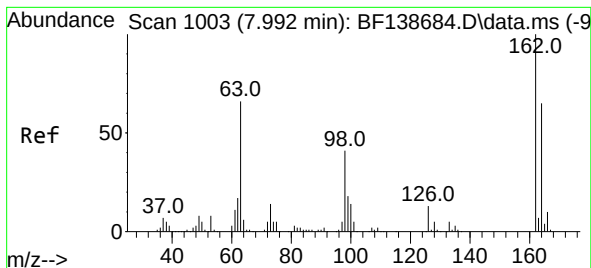
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#28
bis(2-Chloroethoxy)methane
Concen: 55.801 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion: 93 Resp: 161543
Ion Ratio Lower Upper
93 100
95 32.5 25.8 38.8
123 10.9 9.4 14.0





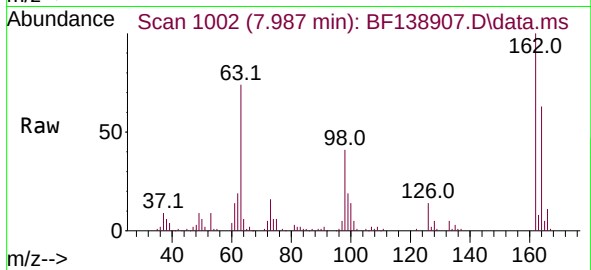
#29
2,4-Dichlorophenol
Concen: 54.731 ng
RT: 7.987 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

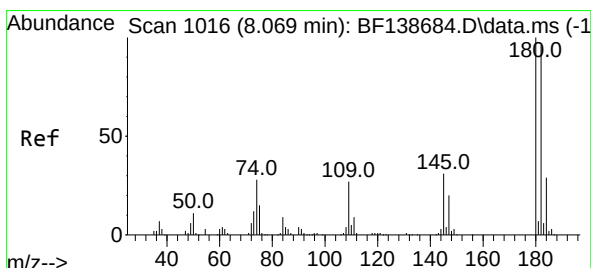
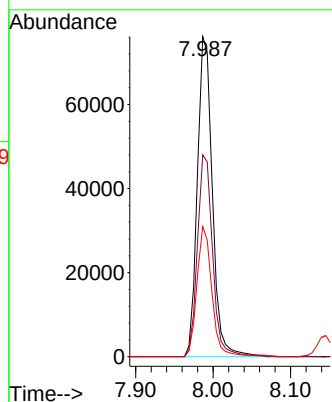
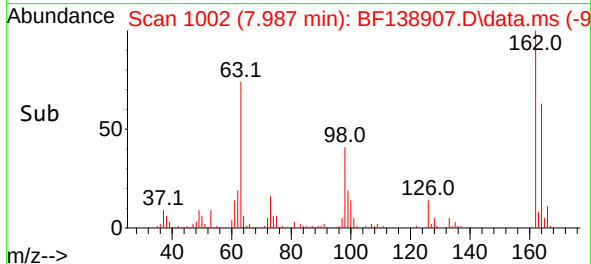


Tgt Ion:162 Resp: 102560
Ion Ratio Lower Upper
162 100
164 63.0 44.7 84.7
98 40.6 20.8 60.8

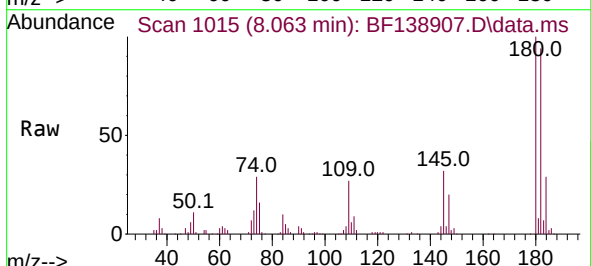
Manual Integrations

APPROVED

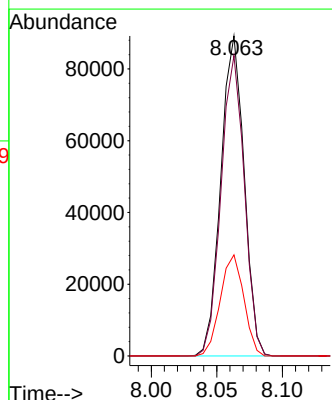
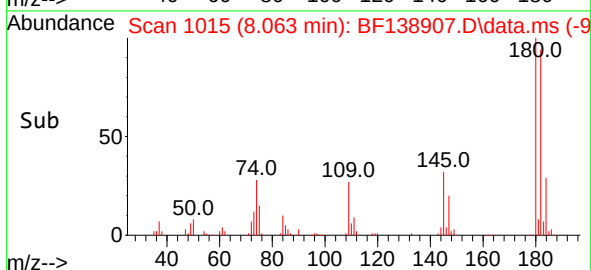
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

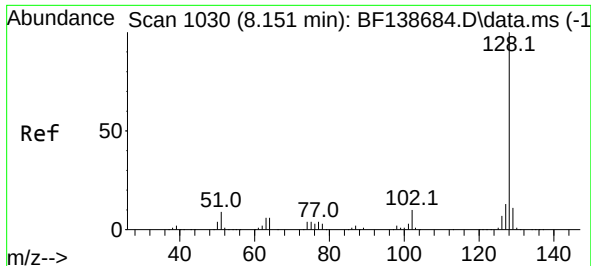


#30
1,2,4-Trichlorobenzene
Concen: 51.009 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:180 Resp: 110308
Ion Ratio Lower Upper
180 100
182 93.8 76.9 115.3
145 31.6 25.0 37.4





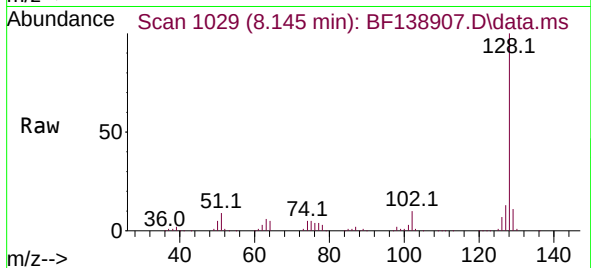
#31
Naphthalene
Concen: 52.316 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

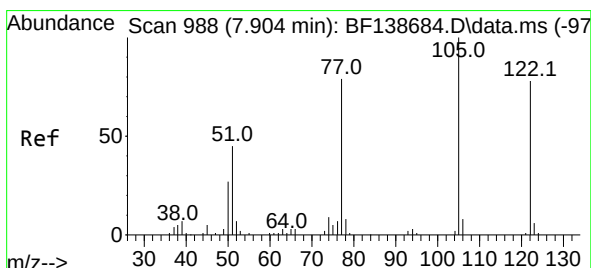
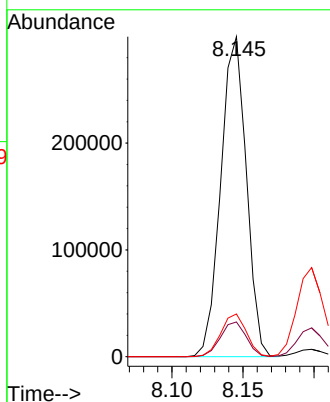
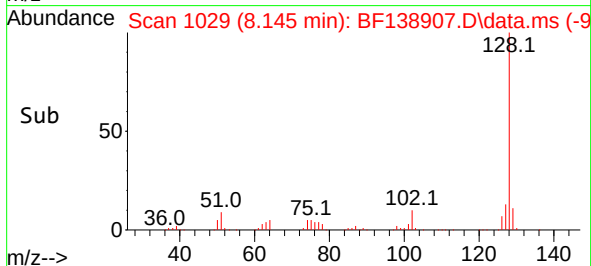


Tgt Ion:128 Resp: 37483
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.4 10.6 16.0

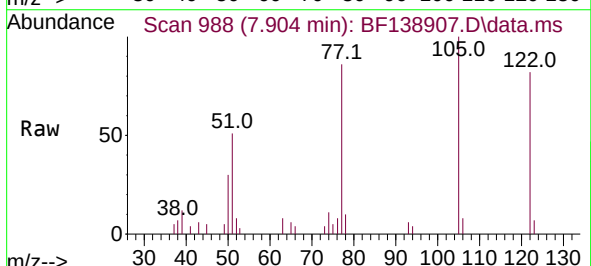
Manual Integrations

APPROVED

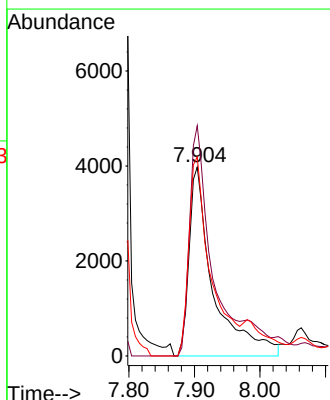
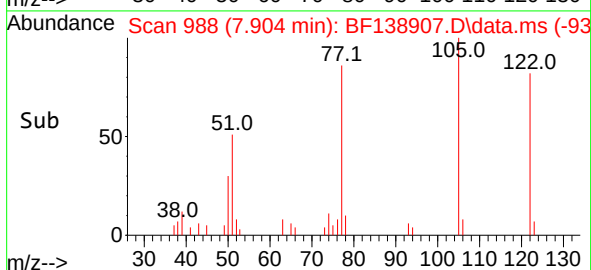
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

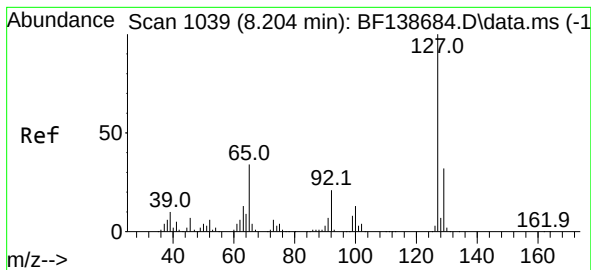


#32
Benzoic acid
Concen: 8.903 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:122 Resp: 10206
Ion Ratio Lower Upper
122 100
105 121.9 106.7 146.7
77 105.4 81.1 121.1





#33
4-Chloroaniline
Concen: 47.785 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

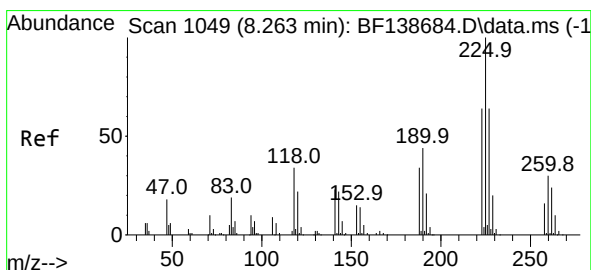
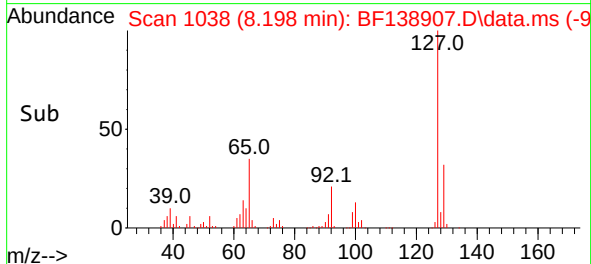
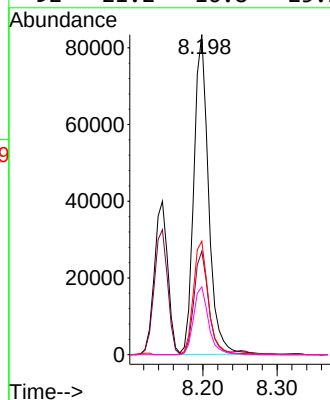
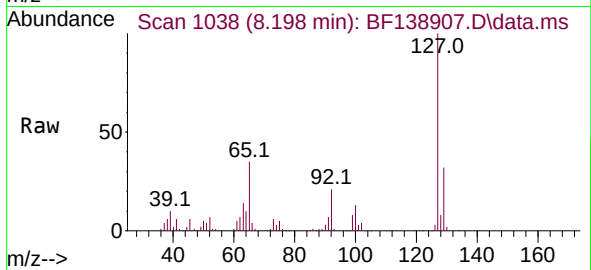
TOPSOILMS

Tgt Ion:127 Resp: 11492
Ion Ratio Lower Upper
127 100
129 32.3 25.9 38.9
65 35.4 27.6 41.4
92 21.2 16.8 25.2

Manual Integrations

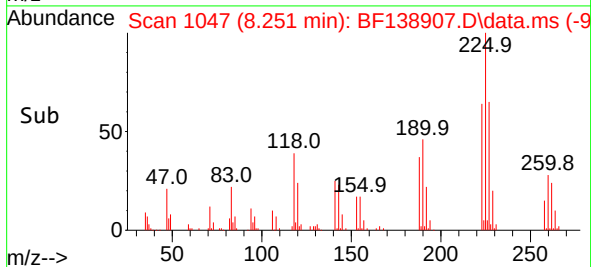
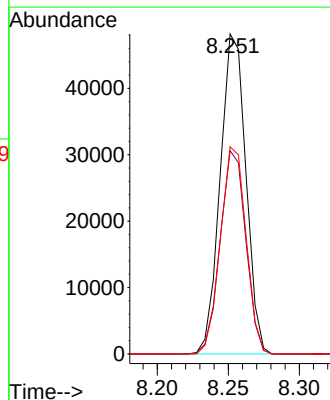
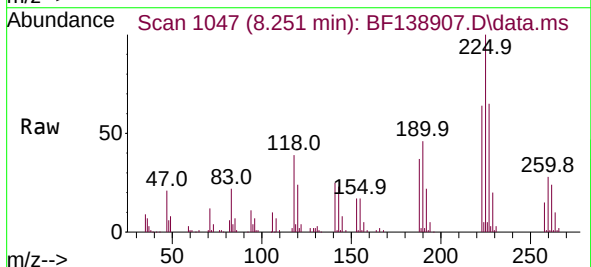
APPROVED

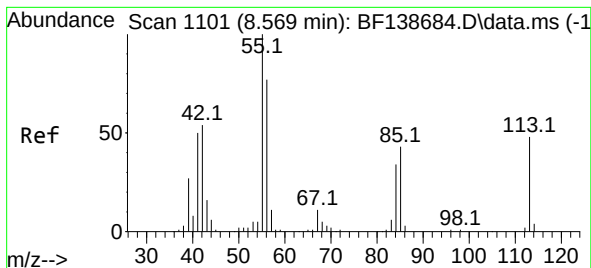
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#34
Hexachlorobutadiene
Concen: 46.240 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:225 Resp: 60566
Ion Ratio Lower Upper
225 100
223 63.5 51.2 76.8
227 64.7 51.1 76.7





#35

Caprolactam

Concen: 9.817 ng

RT: 8.581 min Scan# 1103

Delta R.T. 0.012 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

Tgt Ion:113 Resp: 5489

Ion Ratio Lower Upper

113 100

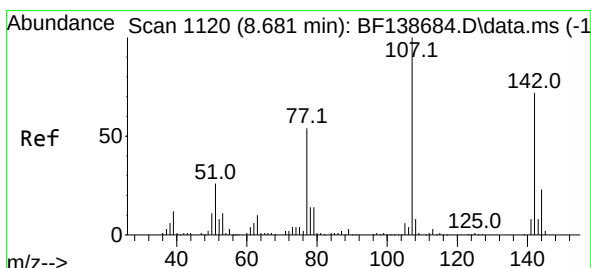
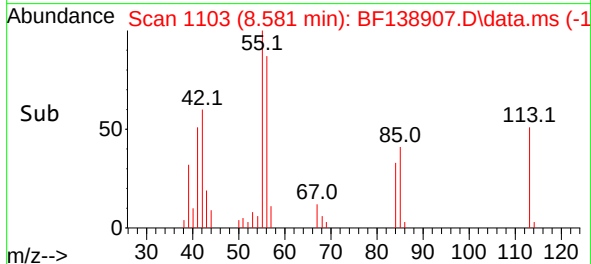
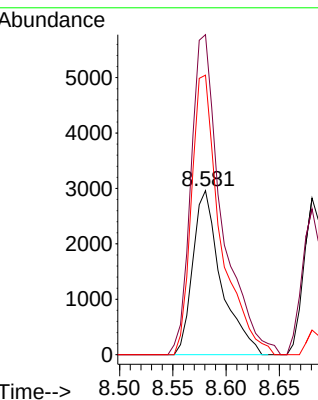
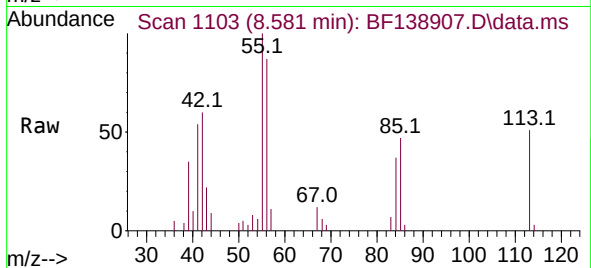
55 195.0 186.7 226.7

56 170.4 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#36

4-Chloro-3-methylphenol

Concen: 54.007 ng

RT: 8.681 min Scan# 1120

Delta R.T. 0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

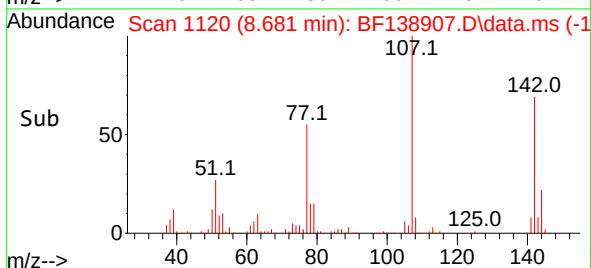
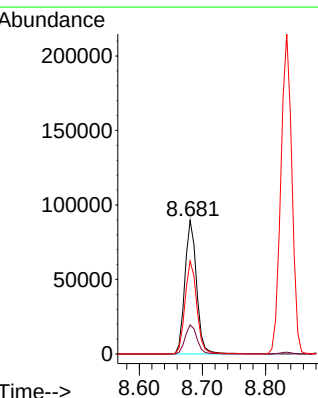
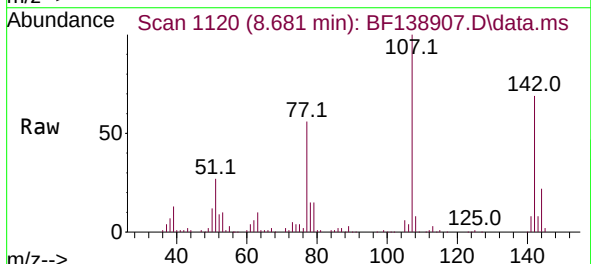
Tgt Ion:107 Resp: 115661

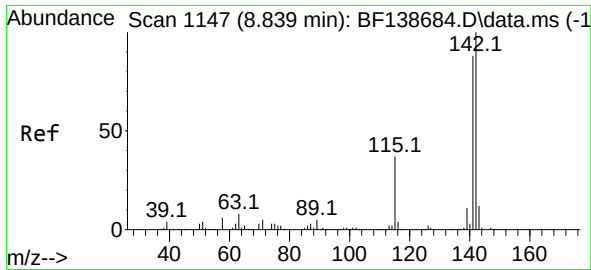
Ion Ratio Lower Upper

107 100

144 21.9 18.2 27.2

142 69.5 57.4 86.2





#37
2-Methylnaphthalene
Concen: 57.662 ng
RT: 8.834 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

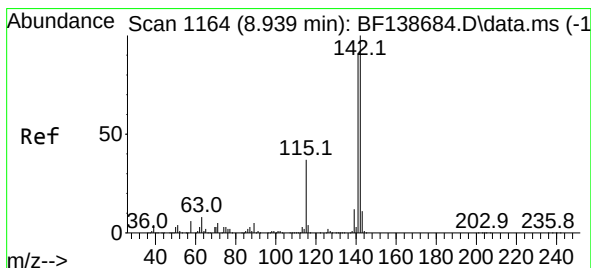
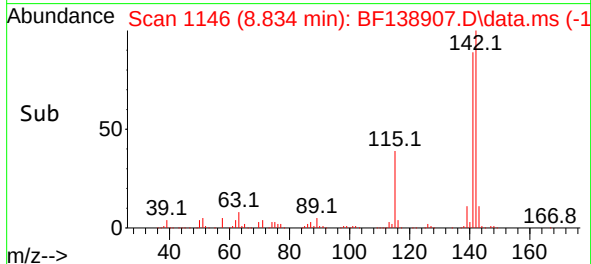
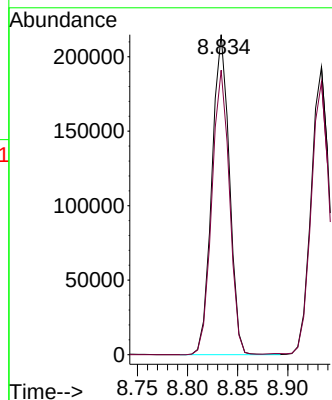
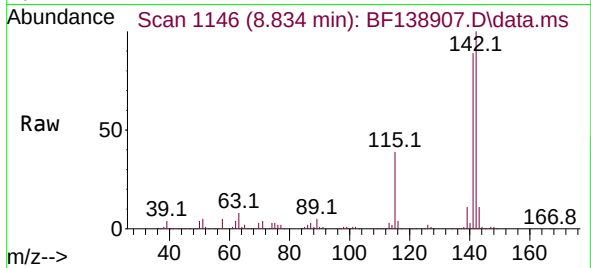
TOPSOILMS

Tgt Ion:142 Resp: 260910
Ion Ratio Lower Upper
142 100
141 88.9 70.8 106.2

Manual Integrations

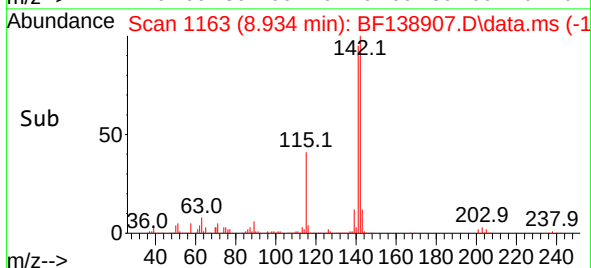
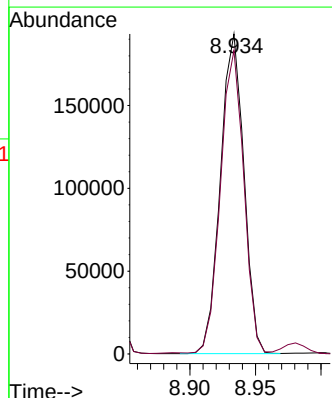
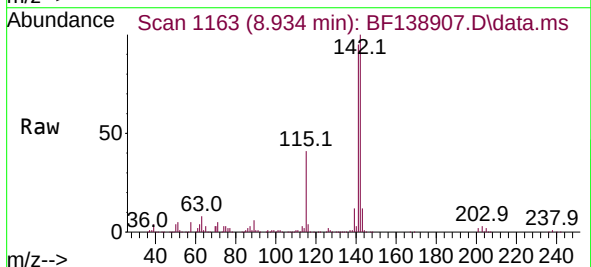
APPROVED

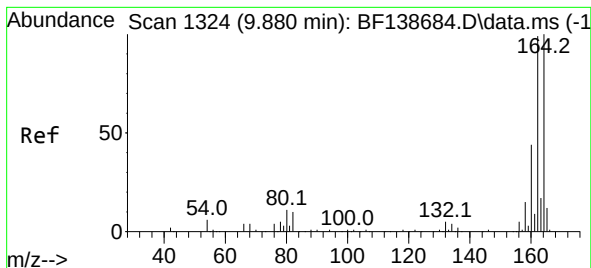
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#38
1-Methylnaphthalene
Concen: 54.157 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:142 Resp: 240131
Ion Ratio Lower Upper
142 100
141 94.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1174

Delta R.T. -0.005 min

Lab File: BF138907.D

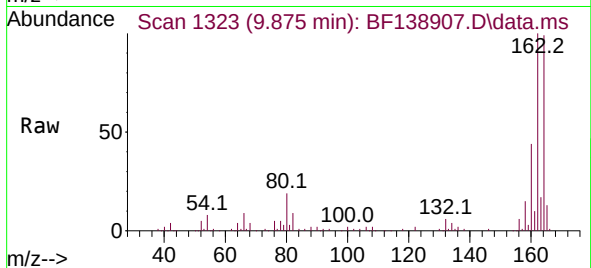
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS



Tgt Ion:164 Resp: 74378

Ion Ratio Lower Upper

164 100

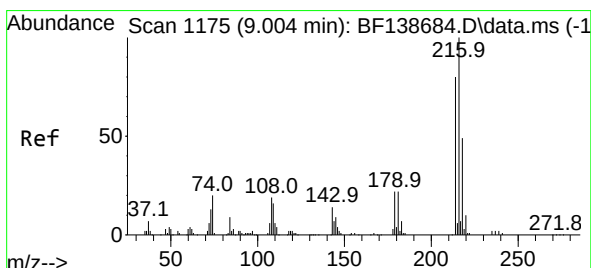
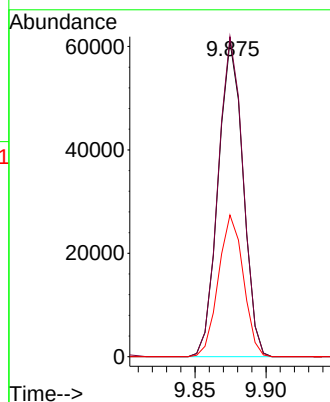
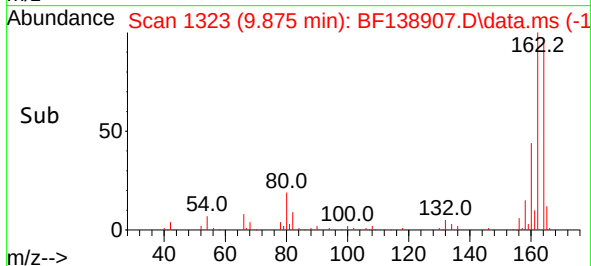
162 101.4 79.4 119.0

160 44.9 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 54.188 ng

RT: 8.998 min Scan# 1174

Delta R.T. -0.006 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Tgt Ion:216 Resp: 111960

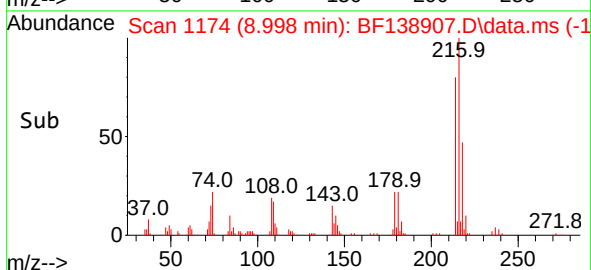
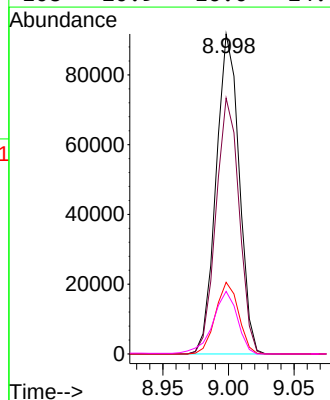
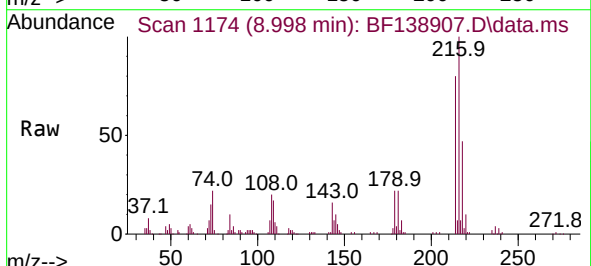
Ion Ratio Lower Upper

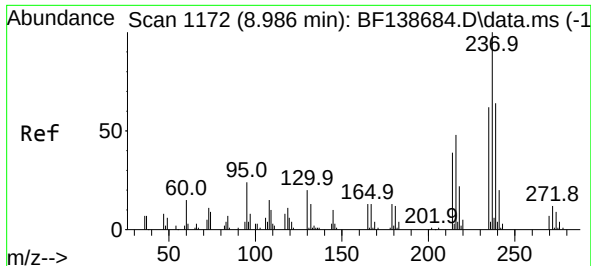
216 100

214 80.2 63.9 95.9

179 22.4 17.8 26.6

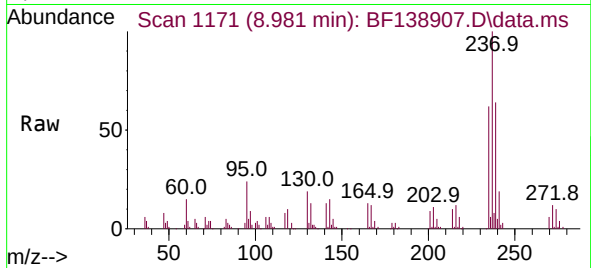
108 20.9 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 105.575 ng
RT: 8.981 min Scan# 1172
Delta R.T. -0.005 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

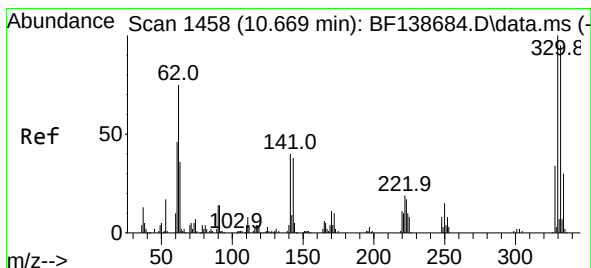
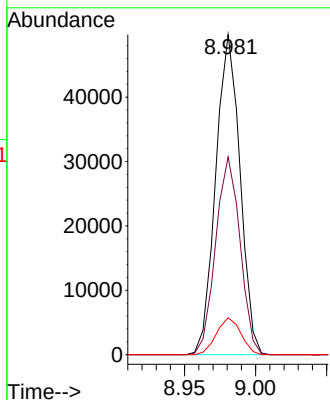
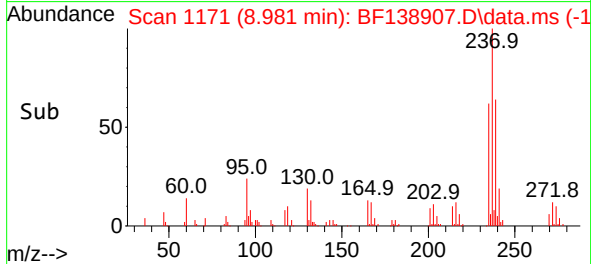
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



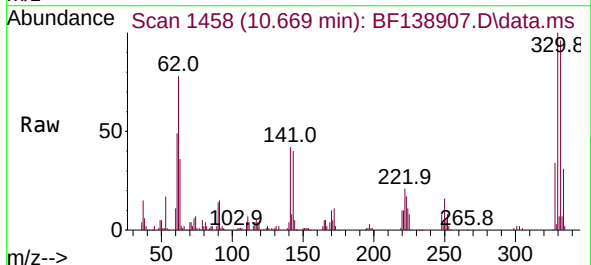
Tgt Ion: 237 Resp: 59070
Ion Ratio Lower Upper
237 100
235 61.8 41.8 81.8
272 11.5 0.0 32.2

Manual Integrations
APPROVED

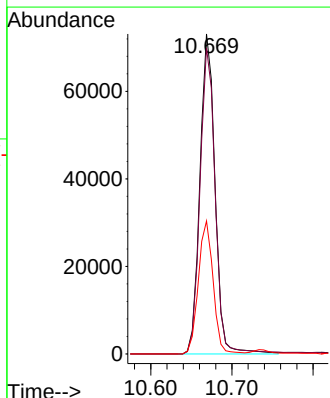
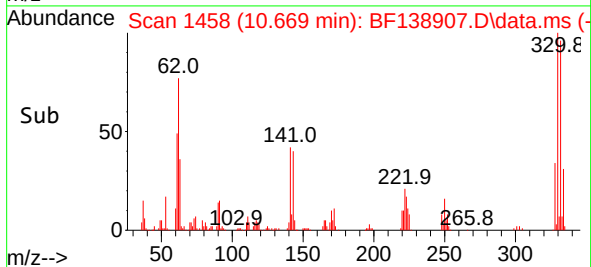
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

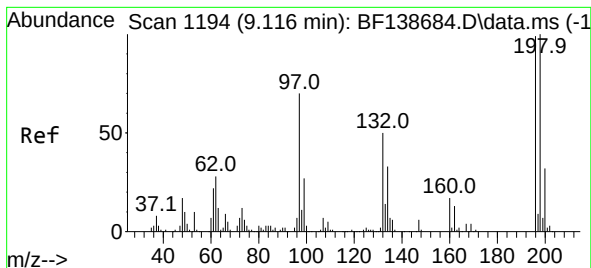


#42
2,4,6-Tribromophenol
Concen: 155.235 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion: 330 Resp: 94578
Ion Ratio Lower Upper
330 100
332 96.7 76.4 114.6
141 40.8 31.1 46.7





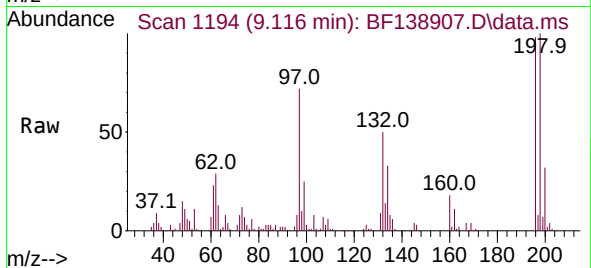
#43
2,4,6-Trichlorophenol
Concen: 57.959 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

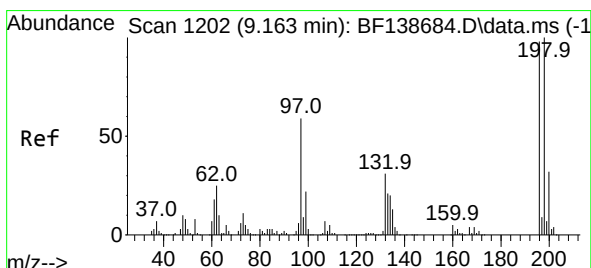
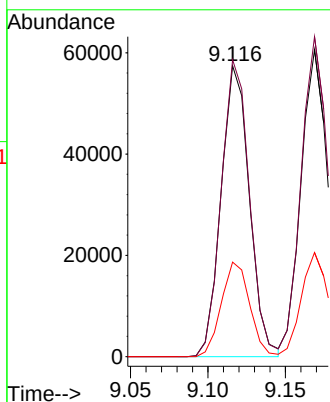
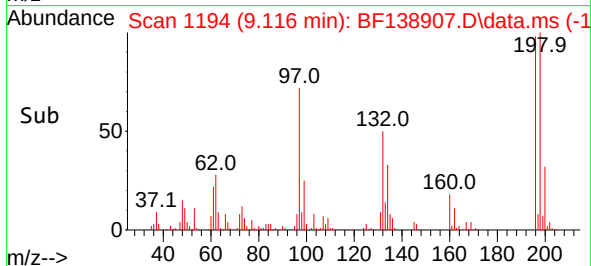


Tgt Ion:196 Resp: 7301
Ion Ratio Lower Upper
196 100
198 102.1 80.5 120.7
200 32.5 25.9 38.9

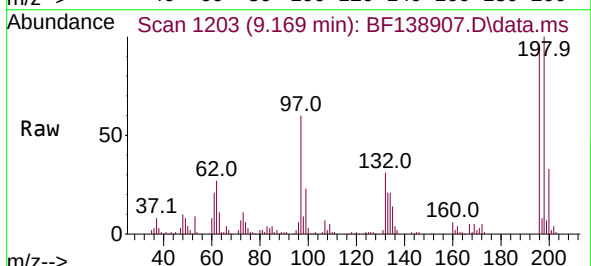
Manual Integrations

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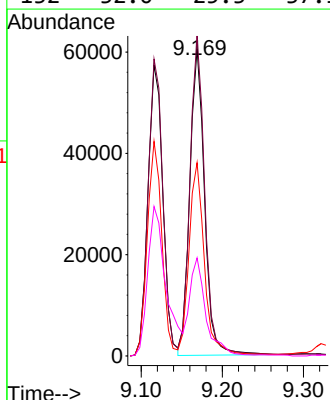
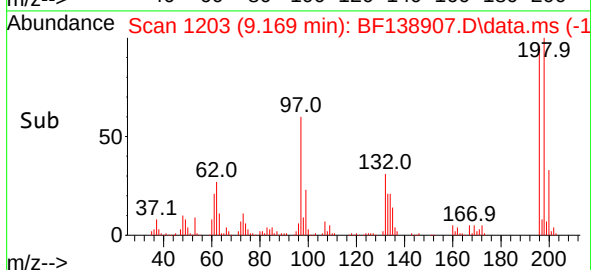
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

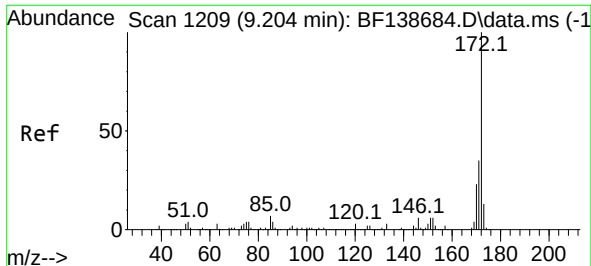


#44
2,4,5-Trichlorophenol
Concen: 55.637 ng
RT: 9.169 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:196 Resp: 76621
Ion Ratio Lower Upper
196 100
198 104.2 81.2 121.8
97 62.9 47.8 71.6
132 32.0 25.3 37.9





#45
2-Fluorobiphenyl
Concen: 102.525 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

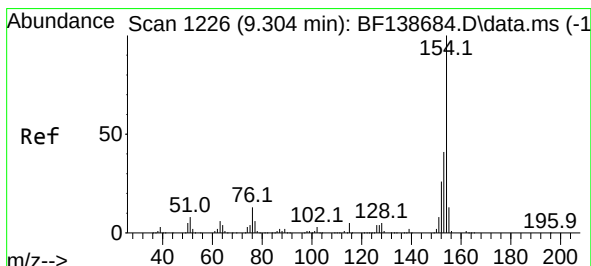
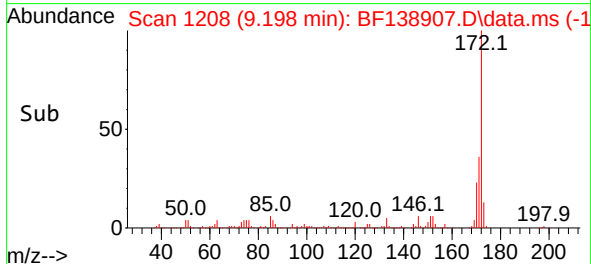
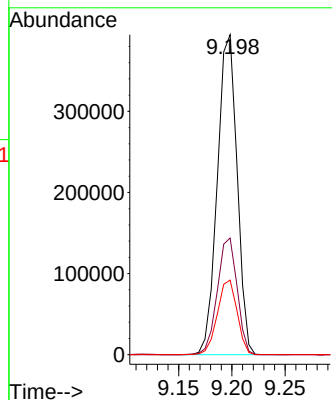
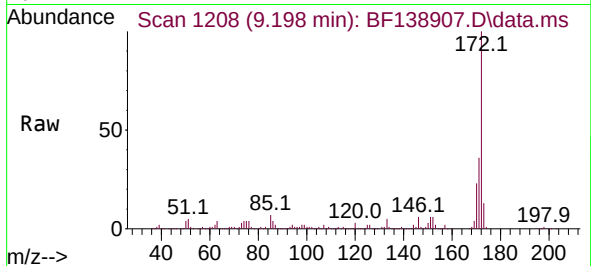
ClientSampleId :

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Tgt Ion:172 Resp: 50752
Ion Ratio Lower Upper
172 100
171 36.4 28.3 42.5
170 23.3 18.8 28.2

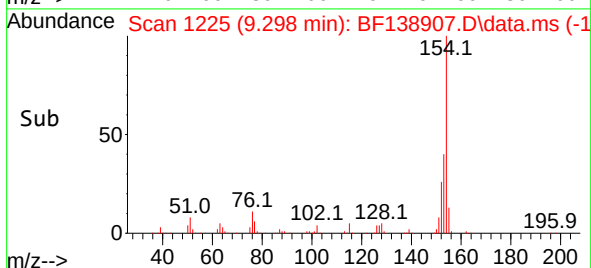
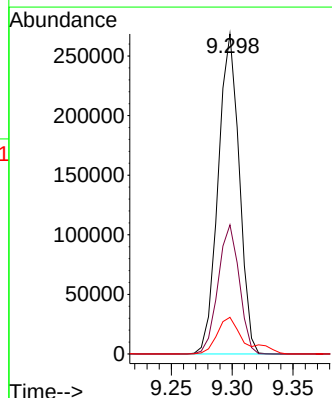
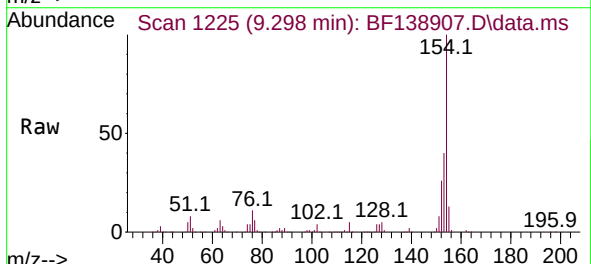
Manual Integrations
APPROVED

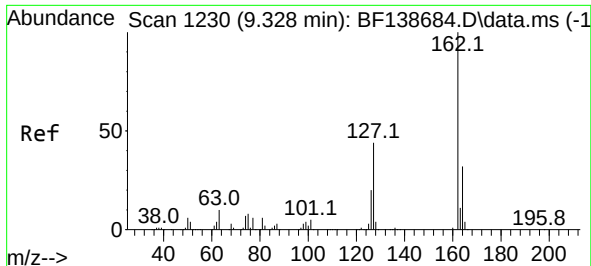
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#46
1,1'-Biphenyl
Concen: 55.542 ng
RT: 9.298 min Scan# 1225
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:154 Resp: 323540
Ion Ratio Lower Upper
154 100
153 40.3 20.8 60.8
76 11.5 0.0 32.8





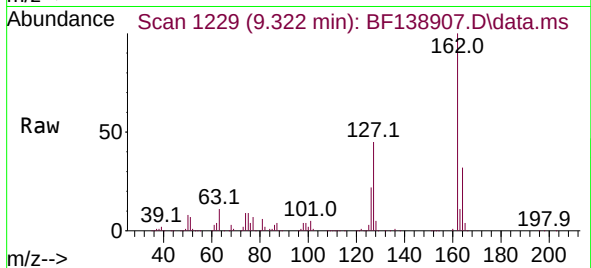
#47
2-Chloronaphthalene
Concen: 58.046 ng
RT: 9.322 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

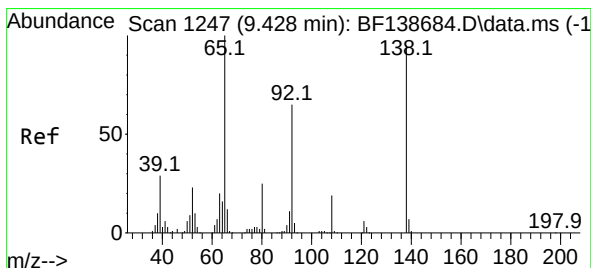
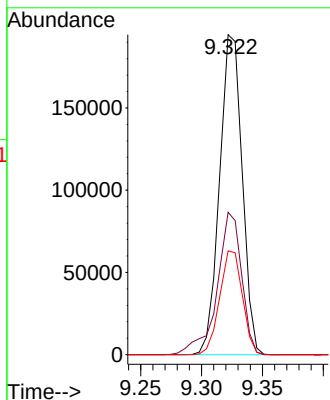
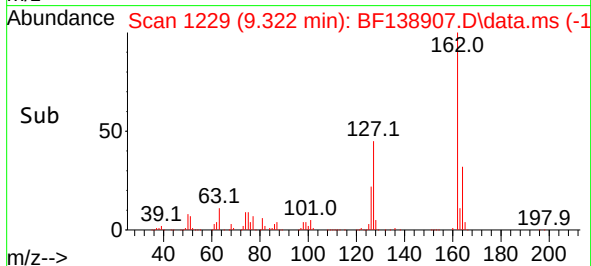


Tgt Ion:162 Resp: 251470
Ion Ratio Lower Upper
162 100
127 44.5 35.4 53.2
164 32.4 25.6 38.4

Manual Integrations

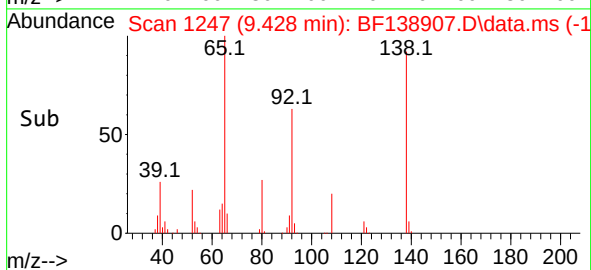
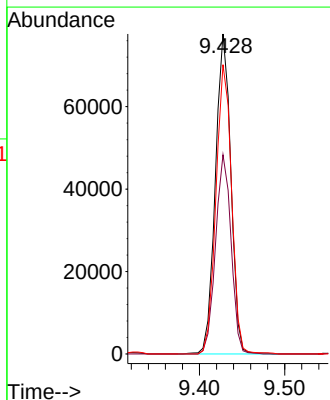
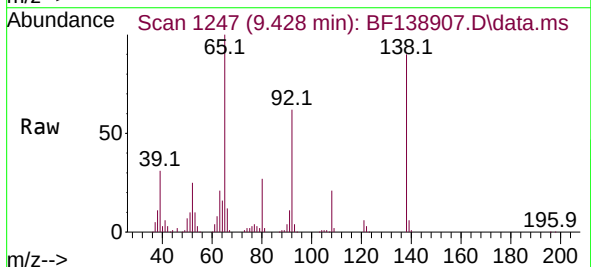
APPROVED

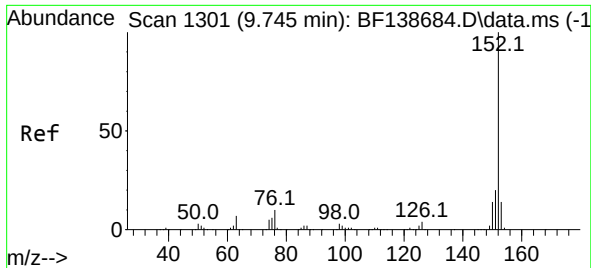
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#48
2-Nitroaniline
Concen: 66.721 ng
RT: 9.428 min Scan# 1247
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion: 65 Resp: 97994
Ion Ratio Lower Upper
65 100
92 62.2 52.0 78.0
138 90.4 76.2 114.4





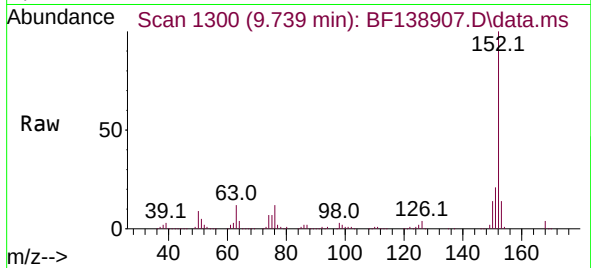
#49
Acenaphthylene
Concen: 65.330 ng
RT: 9.739 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

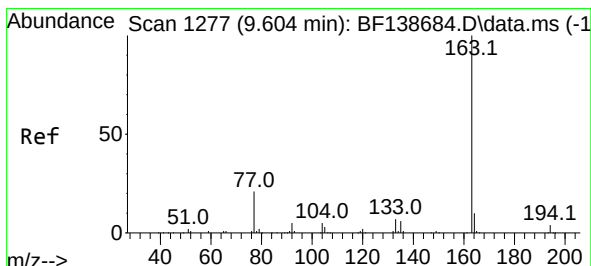
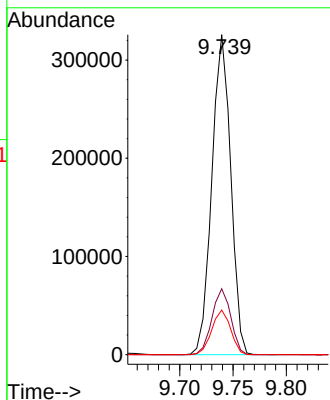
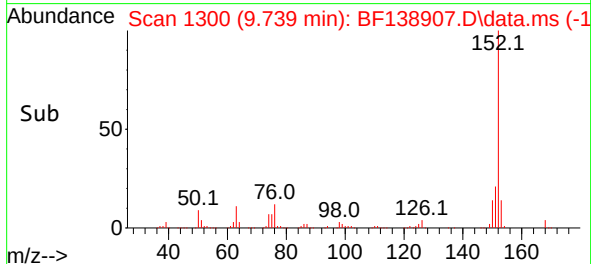


Tgt Ion:152 Resp: 401425
Ion Ratio Lower Upper
152 100
151 20.6 16.0 24.0
153 13.9 11.0 16.4

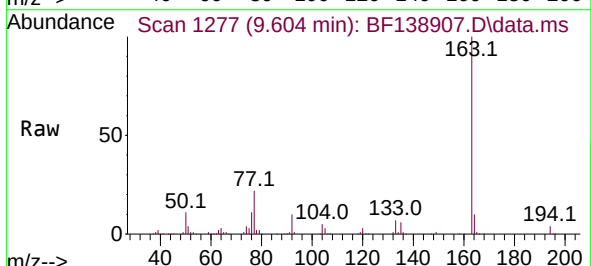
Manual Integrations

APPROVED

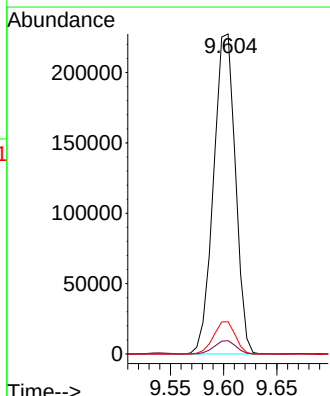
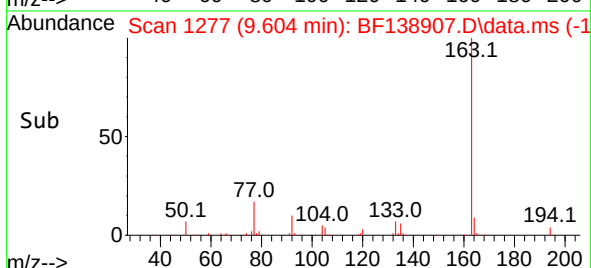
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

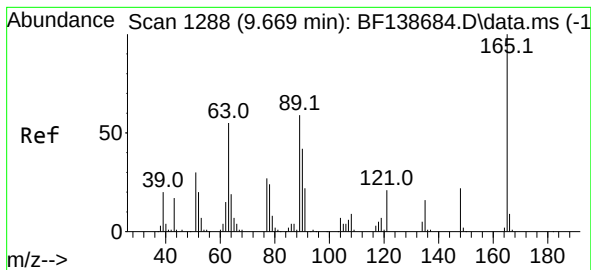


#50
Dimethylphthalate
Concen: 68.071 ng
RT: 9.604 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



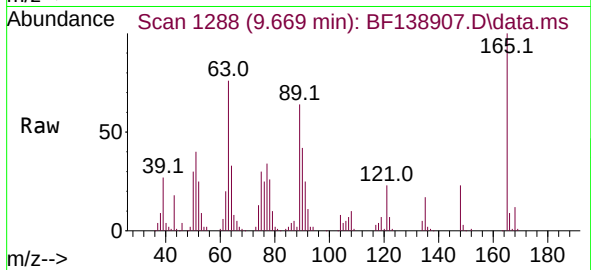
Tgt Ion:163 Resp: 323735
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.0 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 63.705 ng
RT: 9.669 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

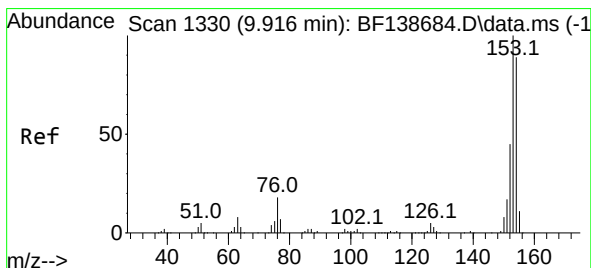
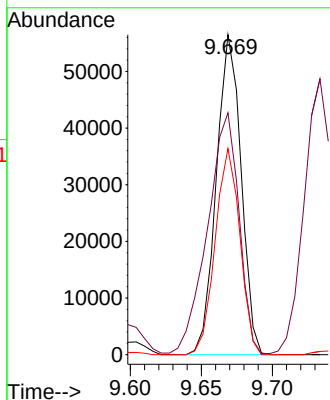
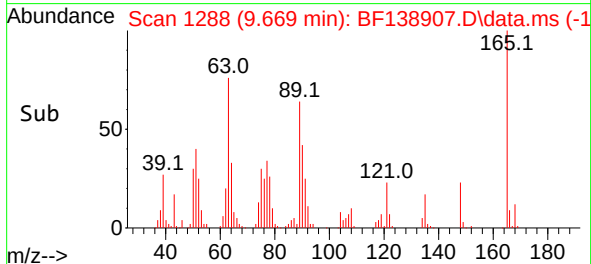
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



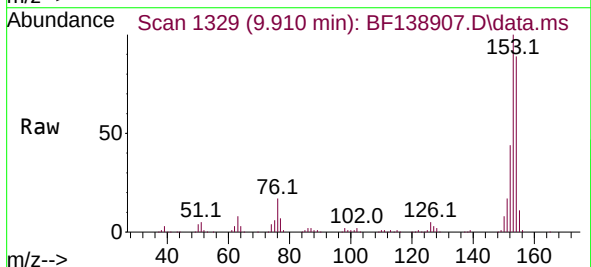
Tgt Ion:165 Resp: 68375
Ion Ratio Lower Upper
165 100
63 75.6 52.0 78.0
89 64.4 47.0 70.6

Manual Integrations
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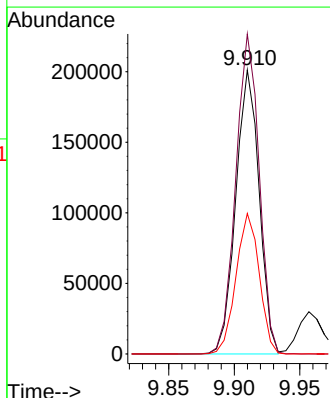
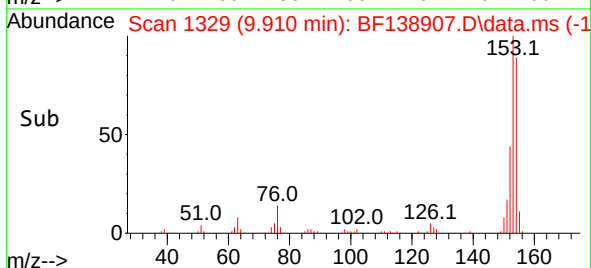
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

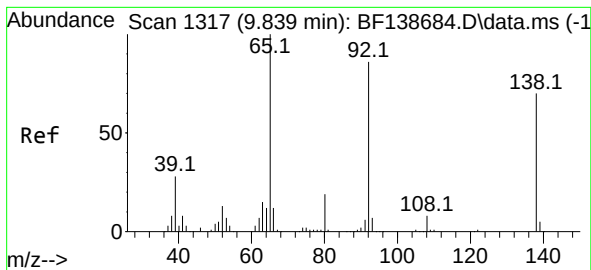


#52
Acenaphthene
Concen: 60.504 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:154 Resp: 249912
Ion Ratio Lower Upper
154 100
153 112.7 89.9 134.9
152 49.5 40.6 60.8





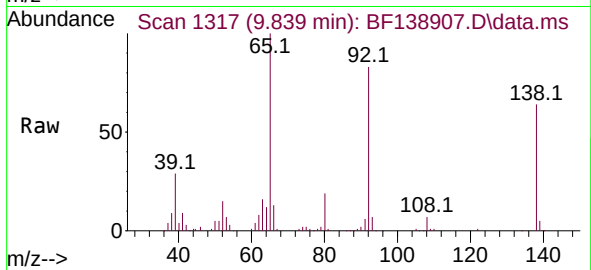
#53
3-Nitroaniline
Concen: 49.797 ng
RT: 9.839 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

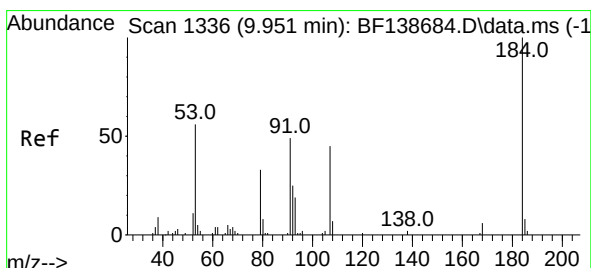
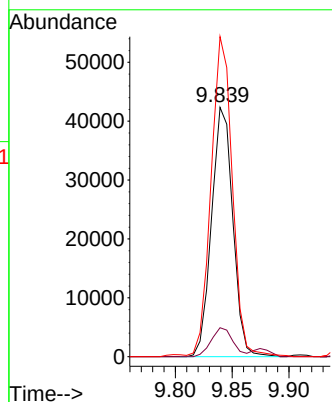
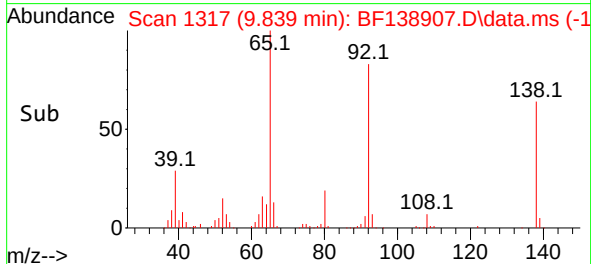


Tgt Ion:138 Resp: 5525
Ion Ratio Lower Upper
138 100
108 11.6 9.1 13.7
92 128.4 98.7 148.1

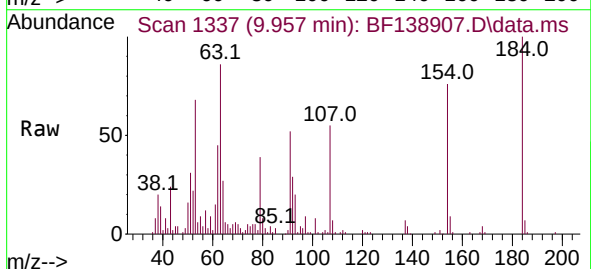
Manual Integrations

APPROVED

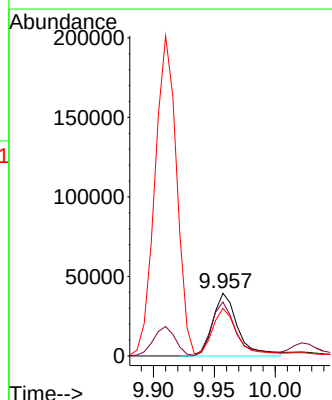
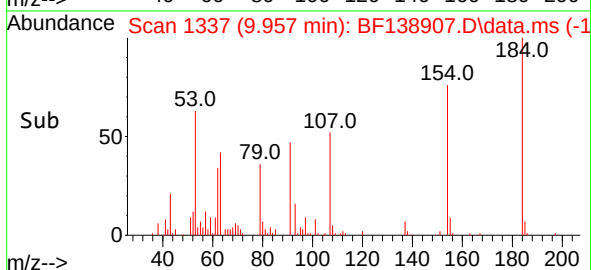
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

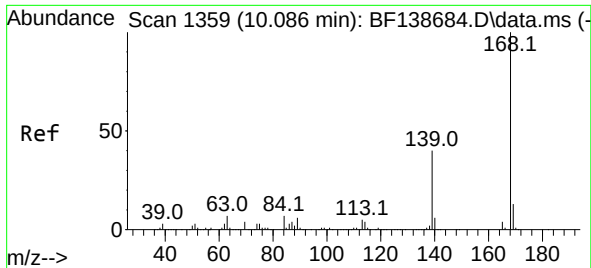


#54
2,4-Dinitrophenol
Concen: 113.626 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:184 Resp: 56140
Ion Ratio Lower Upper
184 100
63 86.0 57.5 86.3
154 75.8 51.7 77.5





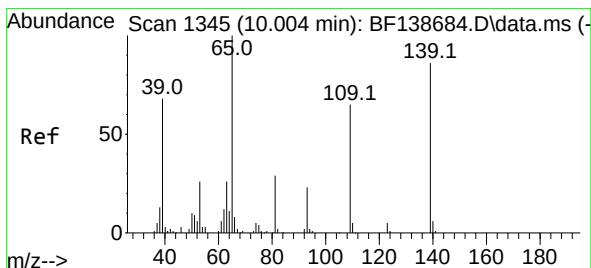
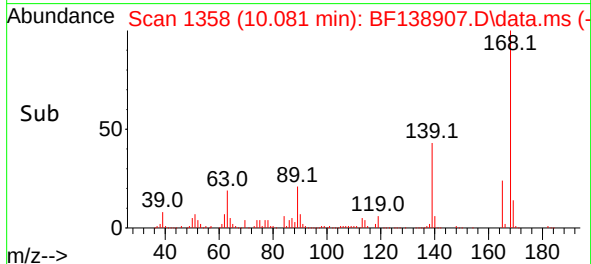
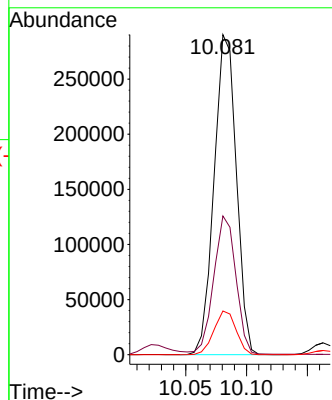
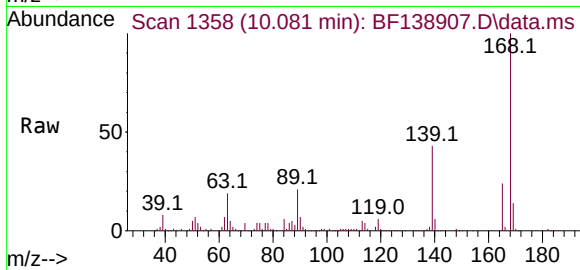
#55
Dibenzenofuran
Concen: 63.423 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:168 Resp: 369790
Ion Ratio Lower Upper
168 100
139 43.3 32.6 49.0
169 13.7 10.7 16.1

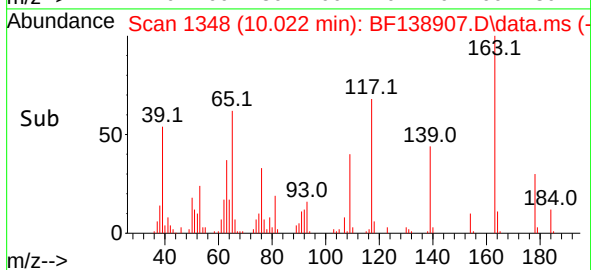
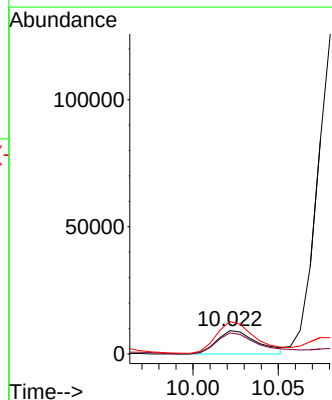
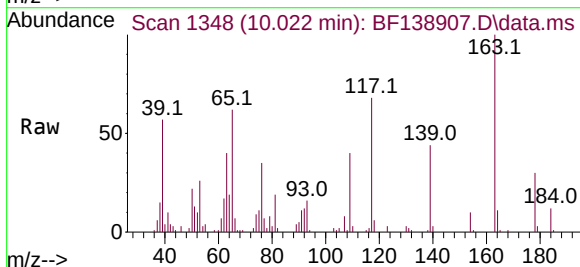
Manual Integrations
APPROVED

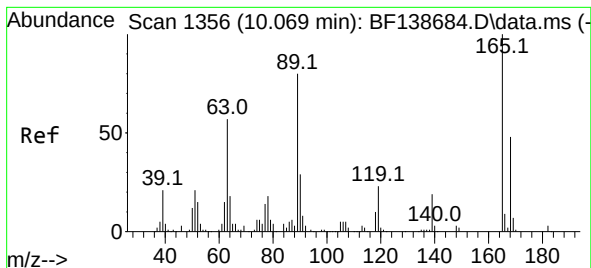
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#56
4-Nitrophenol
Concen: 22.746 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.018 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:139 Resp: 15177
Ion Ratio Lower Upper
139 100
109 90.8 55.5 95.5
65 139.3 96.7 136.7#





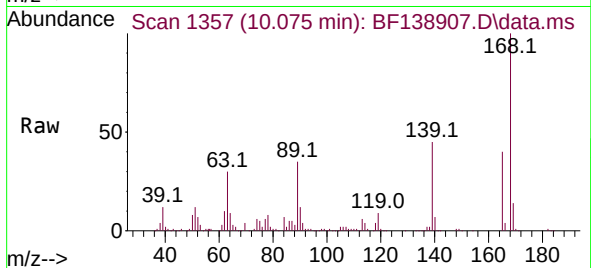
#57
2,4-Dinitrotoluene
Concen: 68.279 ng
RT: 10.075 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

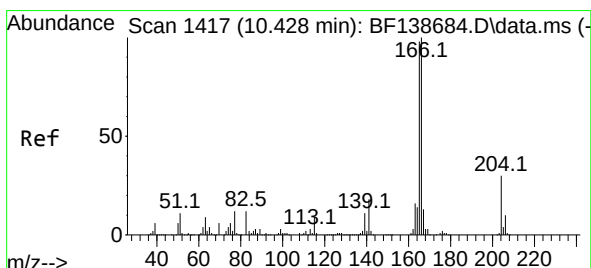
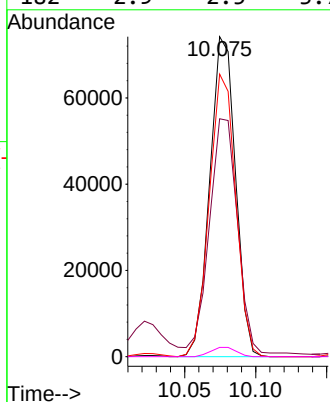
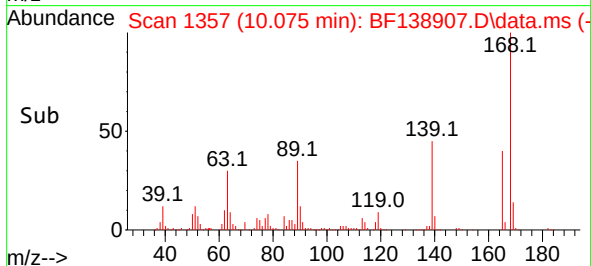


Tgt Ion:165 Resp: 93498
Ion Ratio Lower Upper
165 100
63 74.4 46.3 69.5
89 88.3 64.2 96.4
182 2.9 2.5 3.7

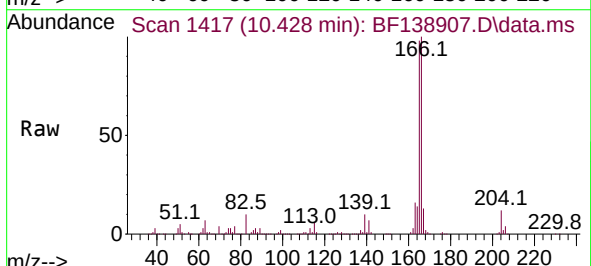
Manual Integrations

APPROVED

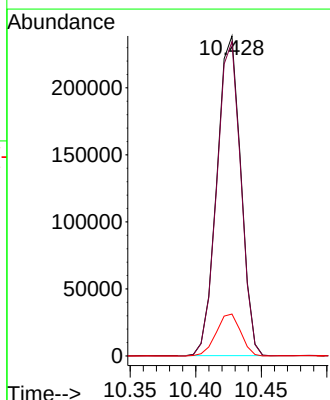
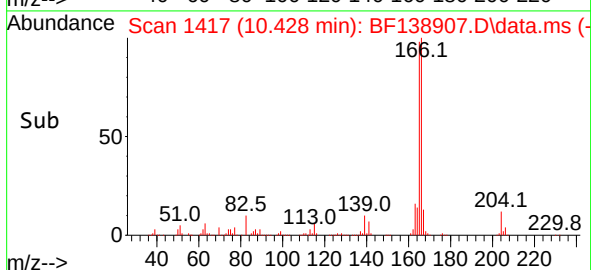
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

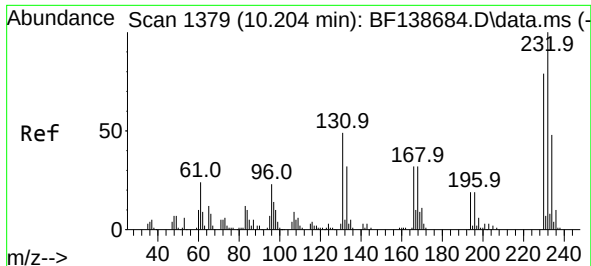


#58
Fluorene
Concen: 65.245 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



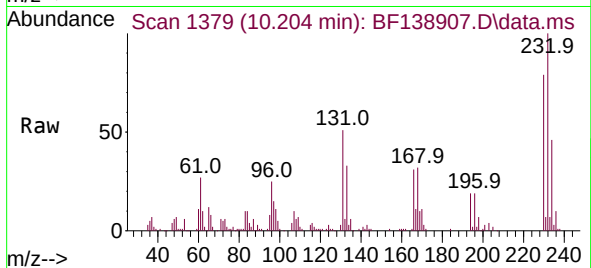
Tgt Ion:166 Resp: 302940
Ion Ratio Lower Upper
166 100
165 98.2 78.4 117.6
167 13.1 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 58.624 ng
RT: 10.204 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

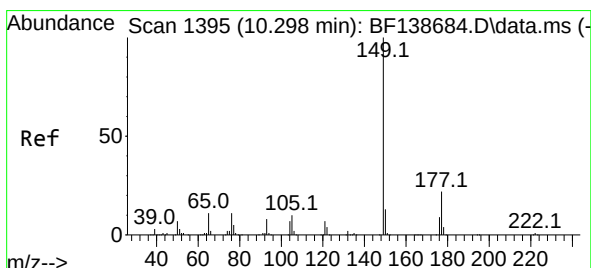
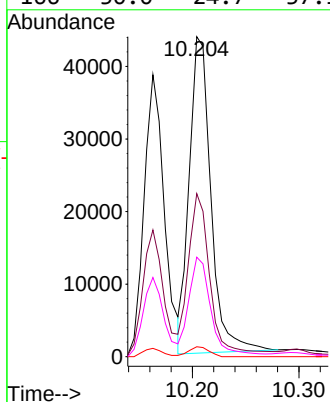
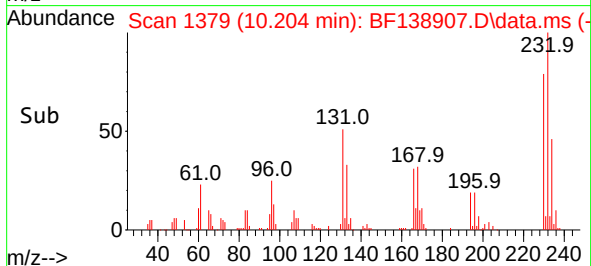
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



Tgt Ion:232 Resp: 6172
Ion Ratio Lower Upper
232 100
131 51.0 37.0 55.4
130 2.9 2.0 3.0
166 30.0 24.7 37.1

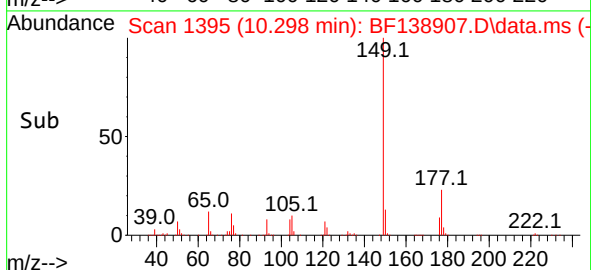
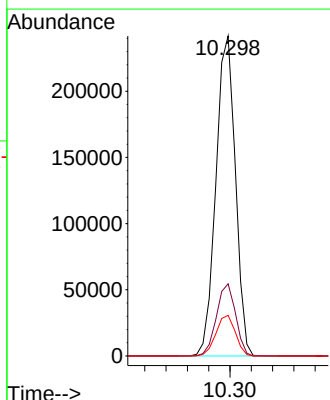
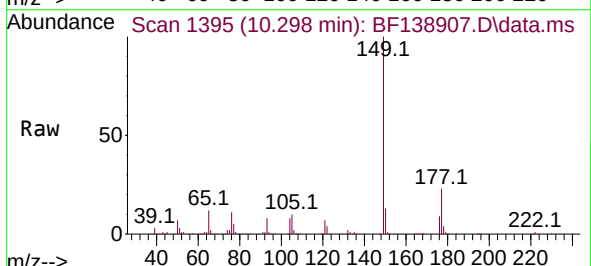
Manual Integrations
APPROVED

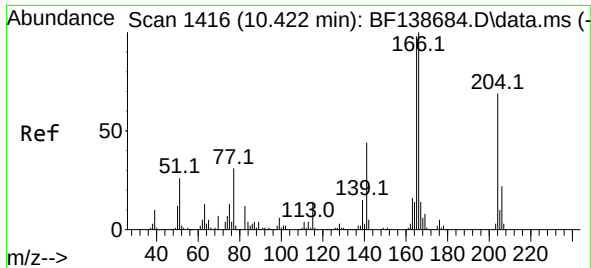
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#60
Diethylphthalate
Concen: 67.867 ng
RT: 10.298 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:149 Resp: 306035
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.8
150 12.7 10.1 15.1





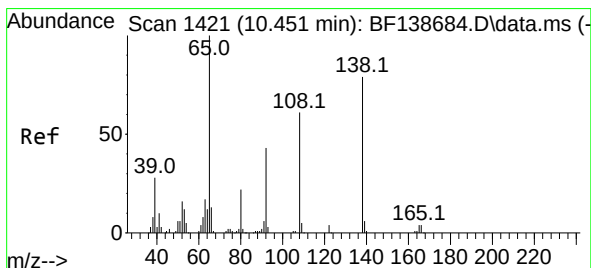
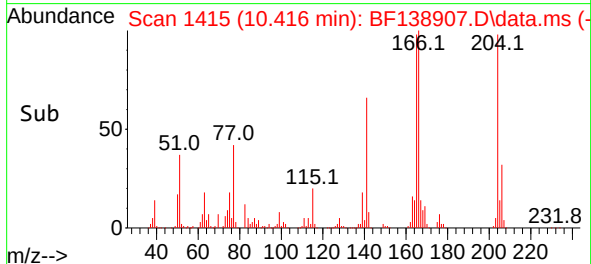
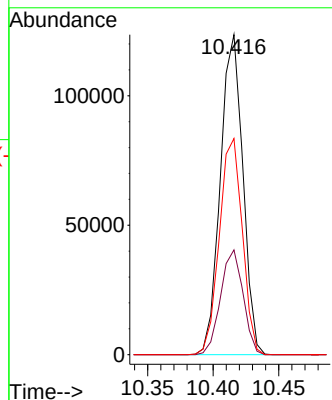
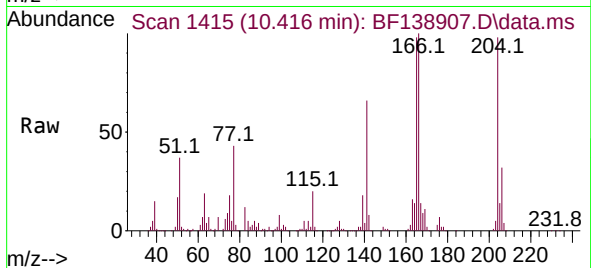
#61
4-Chlorophenyl-phenylether
Concen: 64.514 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:204 Resp: 14732
Ion Ratio Lower Upper
204 100
206 32.8 26.1 39.1
141 67.5 51.4 77.0

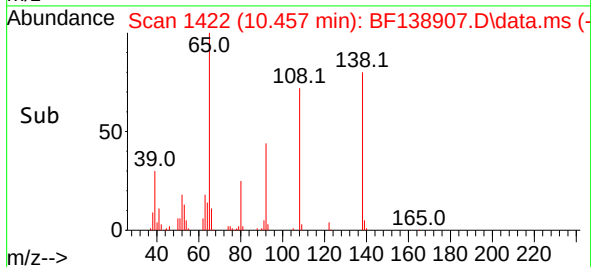
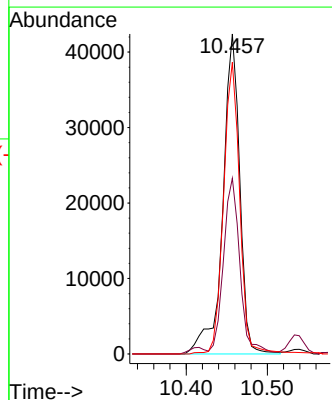
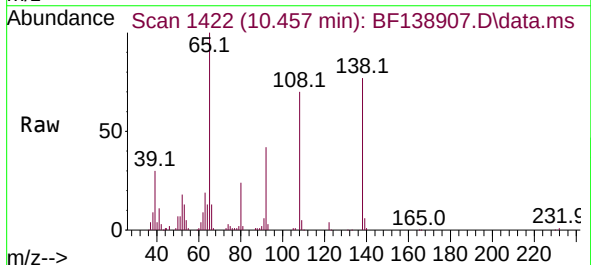
Manual Integrations
APPROVED

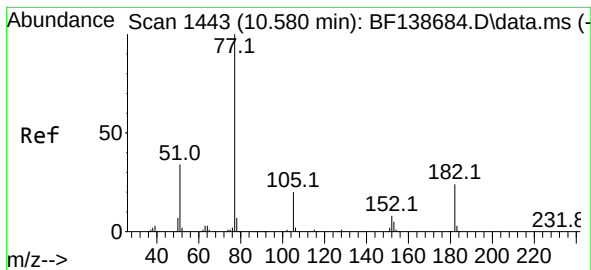
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#62
4-Nitroaniline
Concen: 58.403 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

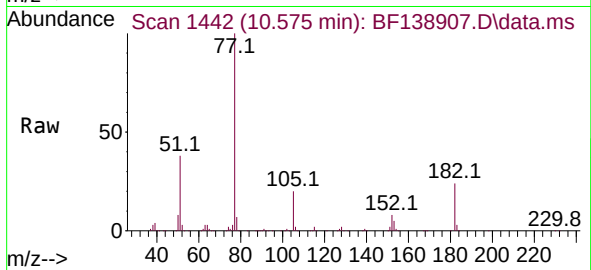
Tgt Ion:138 Resp: 61581
Ion Ratio Lower Upper
138 100
92 54.9 34.2 74.2
108 91.2 56.2 96.2





#63
Azobenzene
Concen: 63.887 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

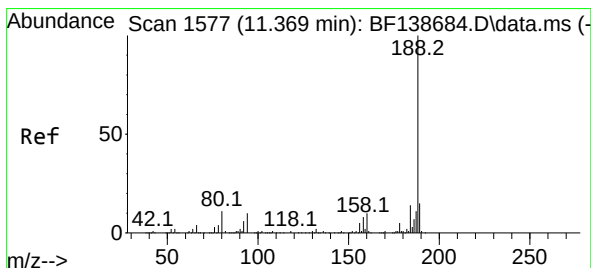
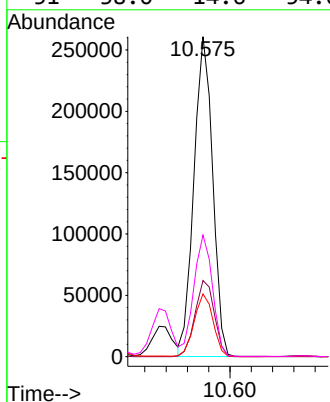
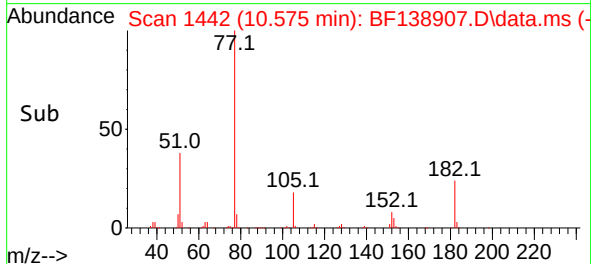
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



Tgt Ion: 77 Resp: 319520
Ion Ratio Lower Upper
77 100
182 23.8 3.4 43.4
105 19.6 0.2 40.2
51 38.0 14.6 54.6

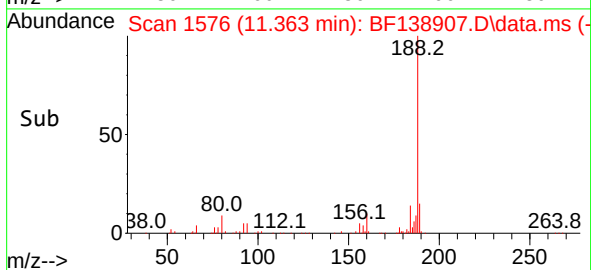
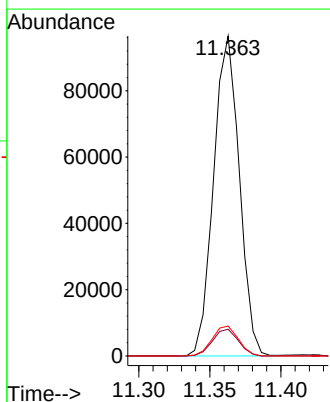
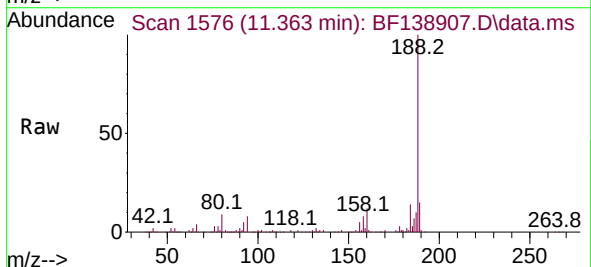
Manual Integrations
APPROVED

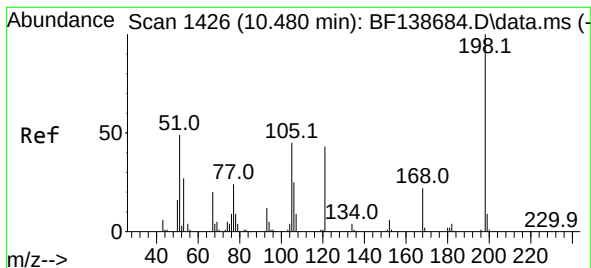
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:188 Resp: 121648
Ion Ratio Lower Upper
188 100
94 8.3 7.6 11.4
80 9.4 8.6 12.8





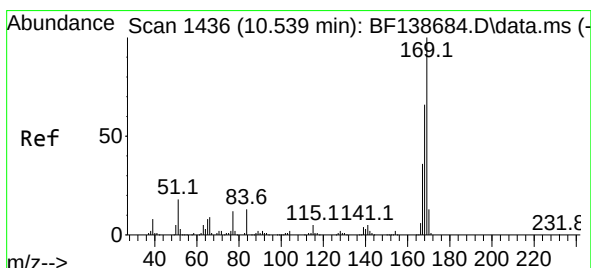
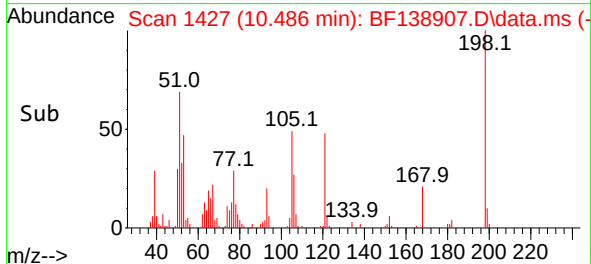
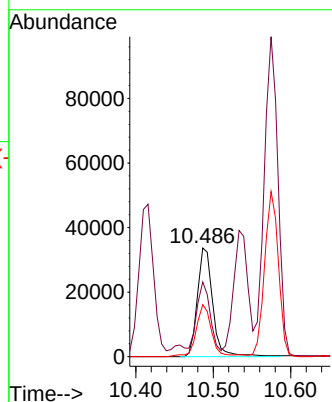
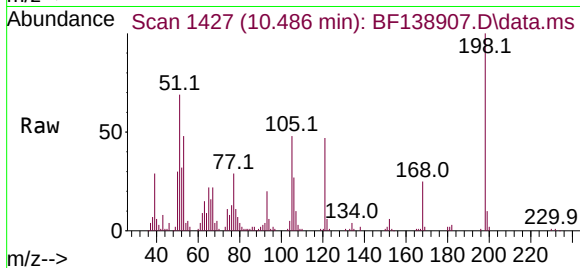
#65
4,6-Dinitro-2-methylphenol
Concen: 62.795 ng
RT: 10.486 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:198 Resp: 46604
Ion Ratio Lower Upper
198 100
51 68.7 39.9 79.9
105 47.8 26.1 66.1

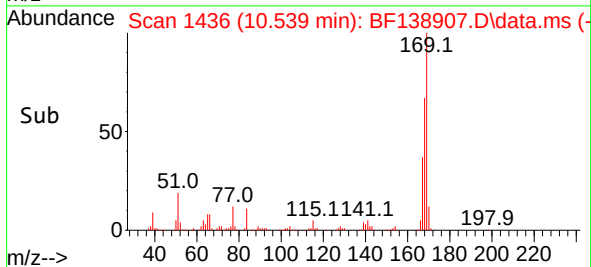
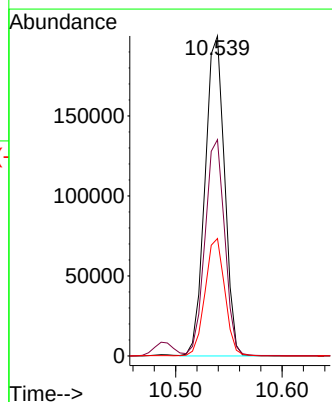
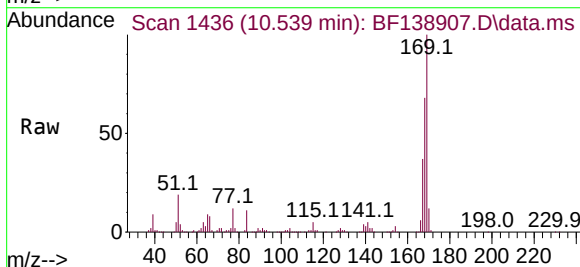
Manual Integrations
APPROVED

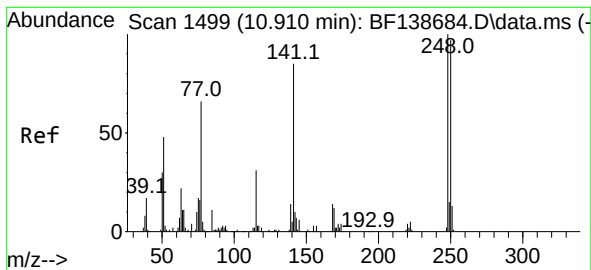
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#66
n-Nitrosodiphenylamine
Concen: 67.054 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:169 Resp: 254969
Ion Ratio Lower Upper
169 100
168 67.6 53.0 79.6
167 36.7 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 65.096 ng
RT: 10.904 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

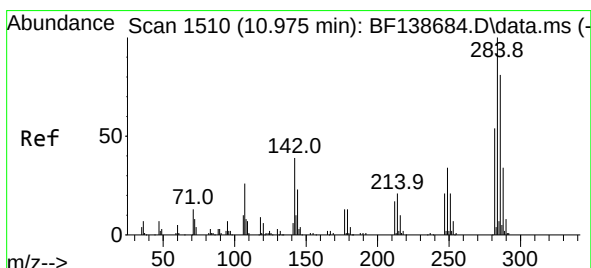
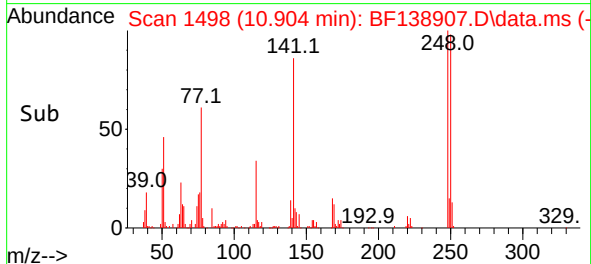
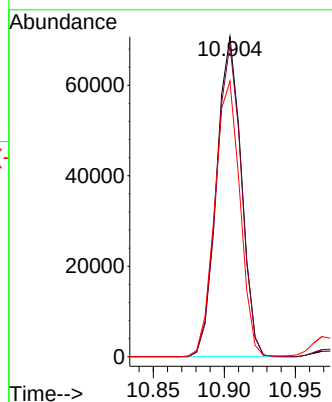
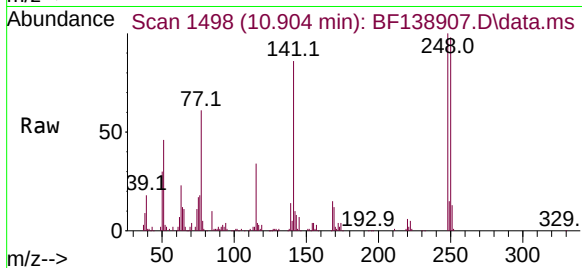
TOPSOILMS

Tgt Ion:248 Resp: 85730
Ion Ratio Lower Upper
248 100
250 97.5 77.7 116.5
141 86.1 68.0 102.0

Manual Integrations

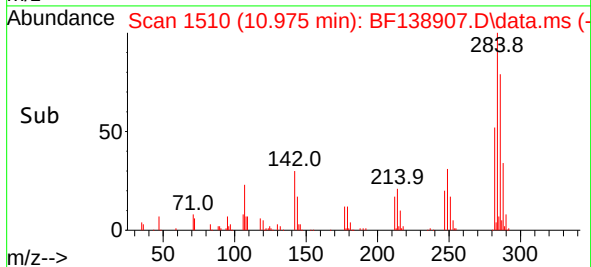
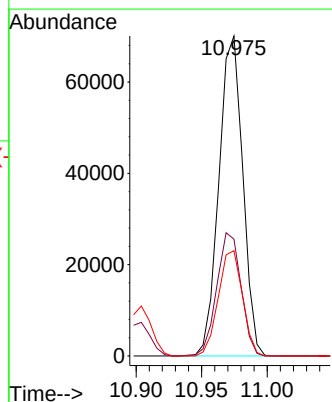
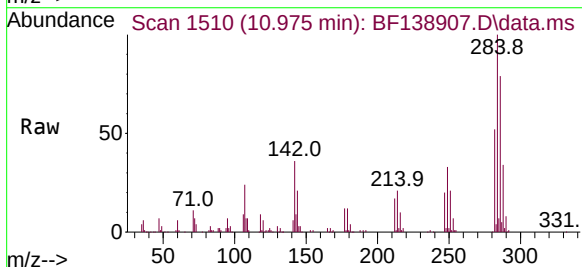
APPROVED

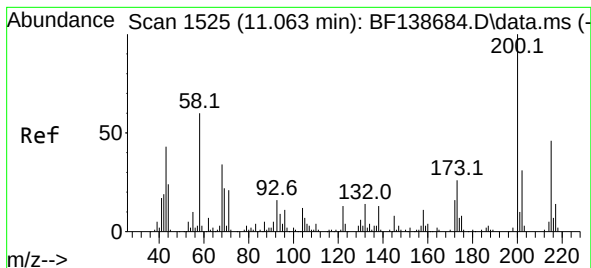
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#68
Hexachlorobenzene
Concen: 65.068 ng
RT: 10.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:284 Resp: 88485
Ion Ratio Lower Upper
284 100
142 36.5 31.3 46.9
249 32.9 27.2 40.8





#69

Atrazine

Concen: 69.140 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

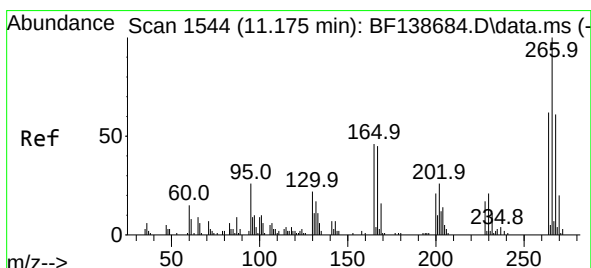
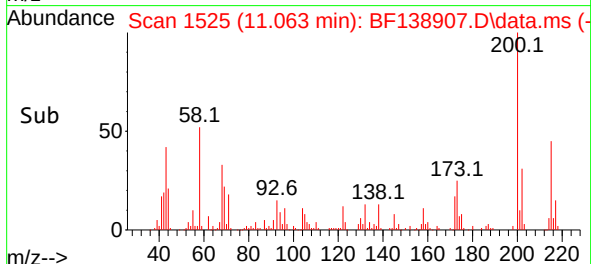
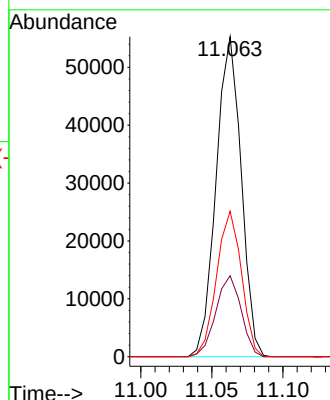
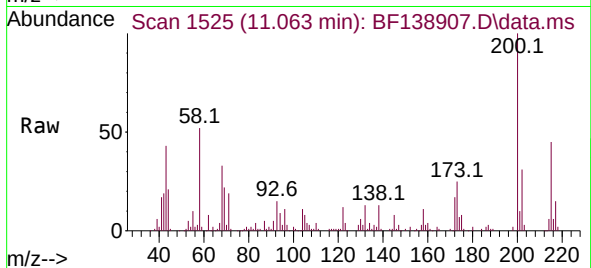
TOPSOILMS

Tgt Ion:200 Resp: 67829
 Ion Ratio Lower Upper
 200 100
 173 25.3 6.0 46.0
 215 45.5 26.1 66.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#70

Pentachlorophenol

Concen: 106.821 ng

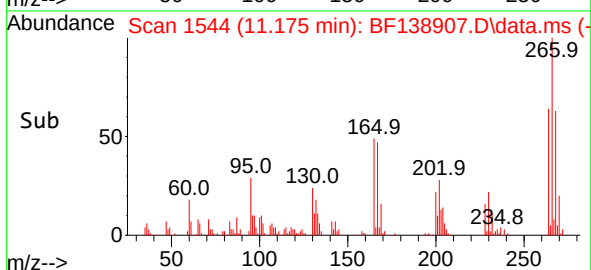
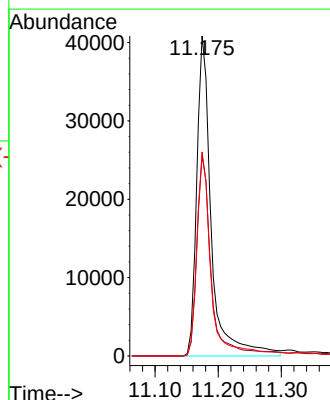
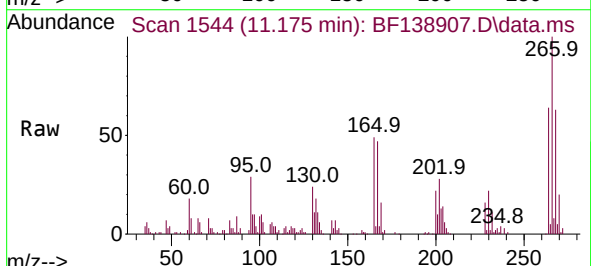
RT: 11.175 min Scan# 1544

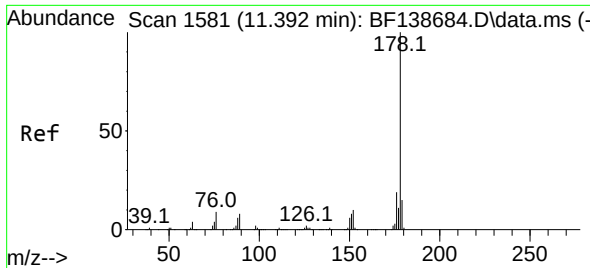
Delta R.T. -0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Tgt Ion:266 Resp: 65477
 Ion Ratio Lower Upper
 266 100
 268 62.6 49.2 73.8
 264 63.7 49.8 74.6





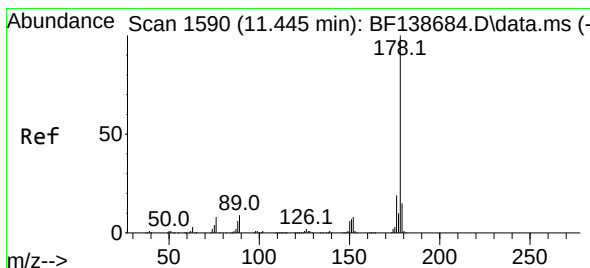
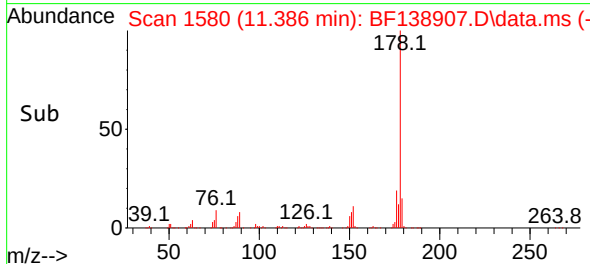
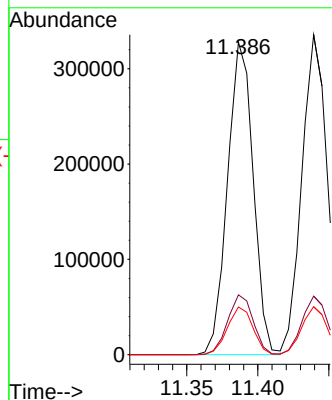
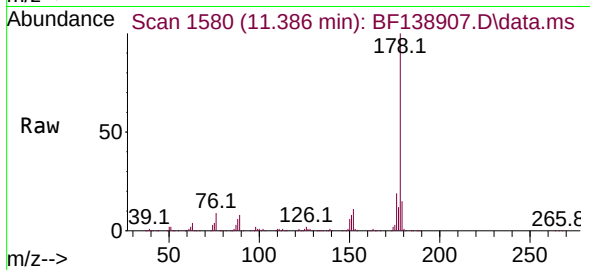
#71
Phenanthrene
Concen: 65.943 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:178 Resp: 413060
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.2 18.2

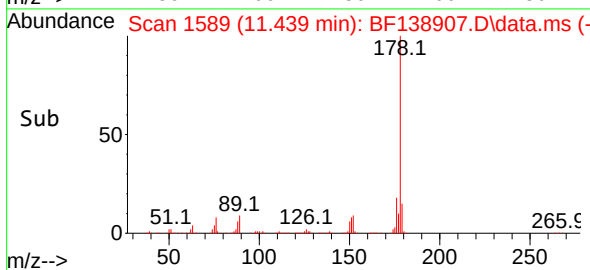
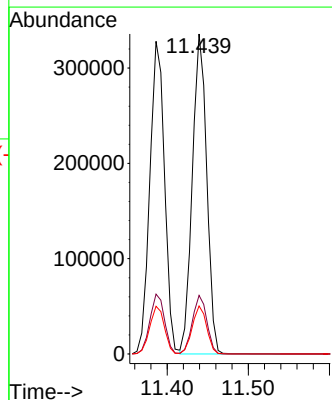
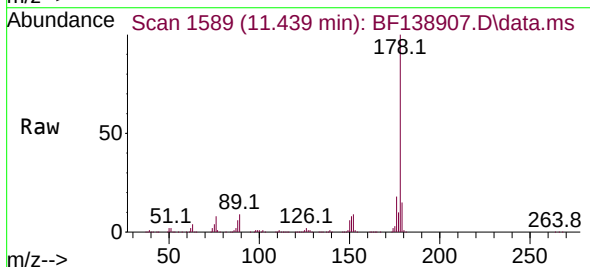
Manual Integrations
APPROVED

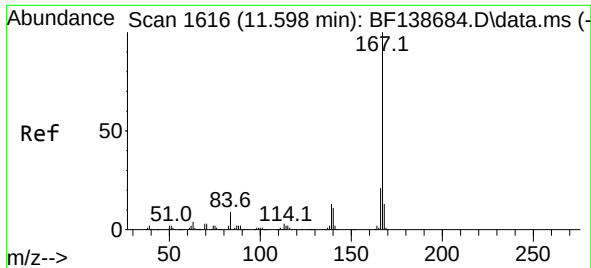
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#72
Anthracene
Concen: 67.217 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

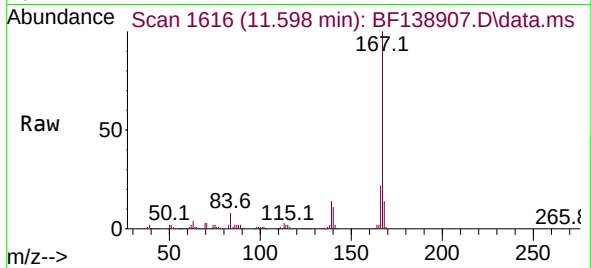
Tgt Ion:178 Resp: 414782
Ion Ratio Lower Upper
178 100
176 18.3 14.9 22.3
179 15.0 12.4 18.6





#73
 Carbazole
 Concen: 61.772 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF138907.D
 Acq: 10 Aug 2024 13:47

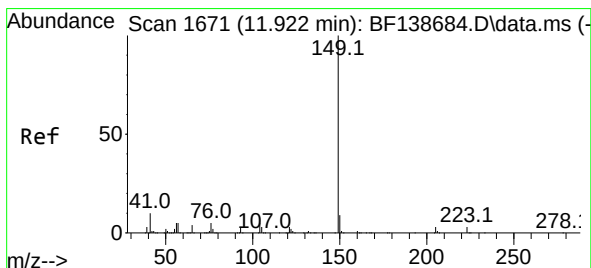
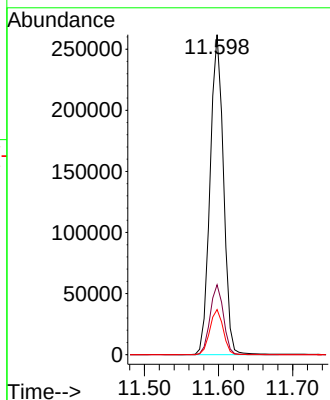
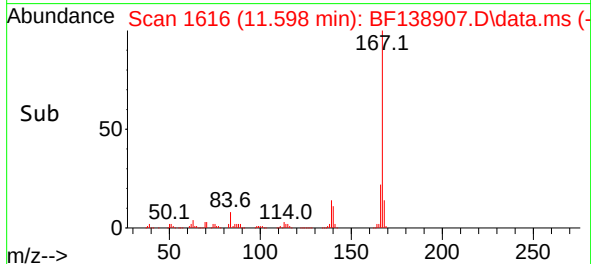
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOILMS



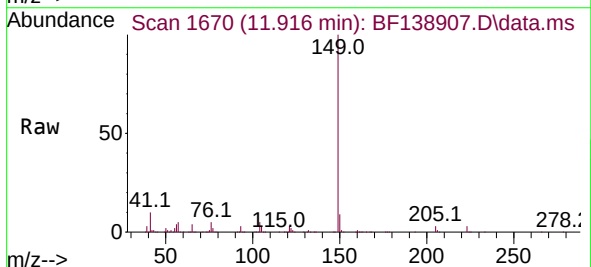
Tgt Ion:167 Resp: 32886
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 14.1 10.6 16.0

Manual Integrations
 APPROVED

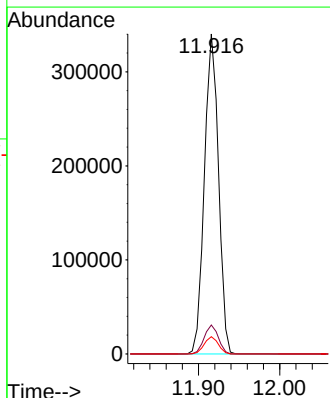
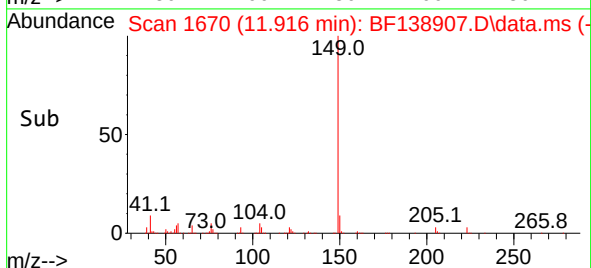
Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024

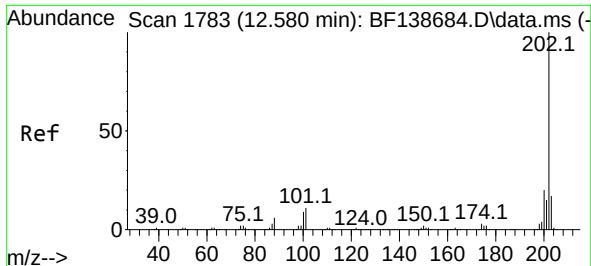


#74
 Di-n-butylphthalate
 Concen: 68.329 ng
 RT: 11.916 min Scan# 1670
 Delta R.T. -0.006 min
 Lab File: BF138907.D
 Acq: 10 Aug 2024 13:47



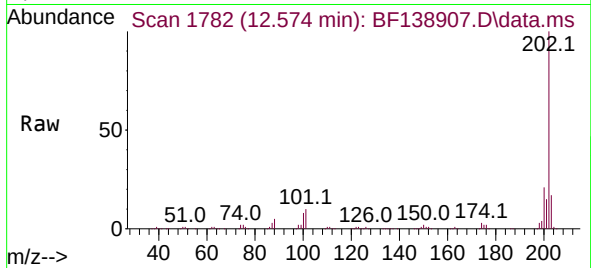
Tgt Ion:149 Resp: 408943
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 58.521 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

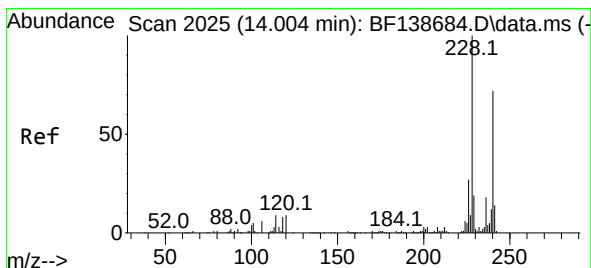
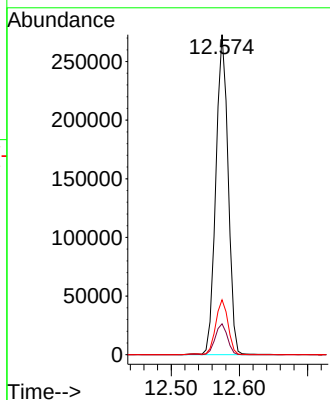
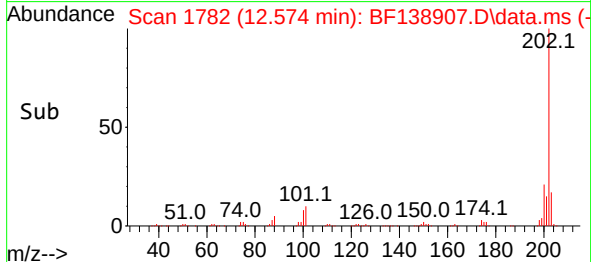
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



Tgt Ion:202 Resp: 34221
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.2 0.0 37.3

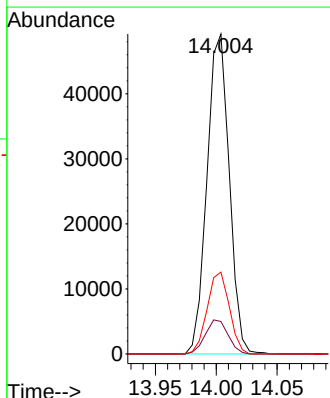
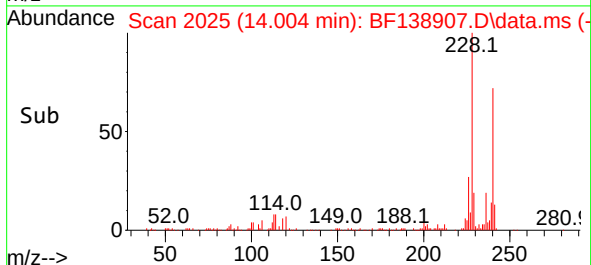
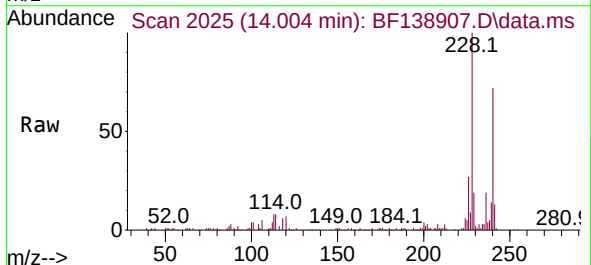
Manual Integrations
APPROVED

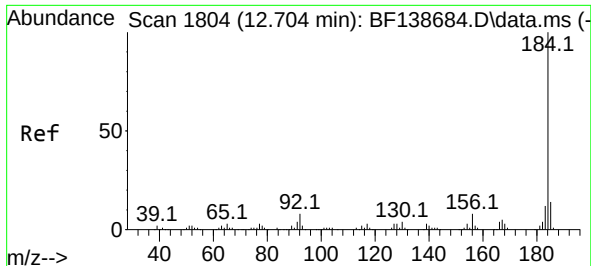
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

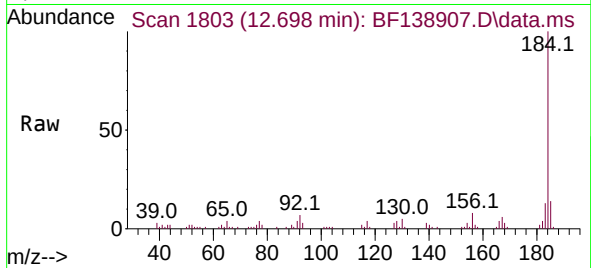
Tgt Ion:240 Resp: 62393
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.4#
236 25.6 19.8 29.8





#77
Benzidine
Concen: 21.734 ng
RT: 12.698 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

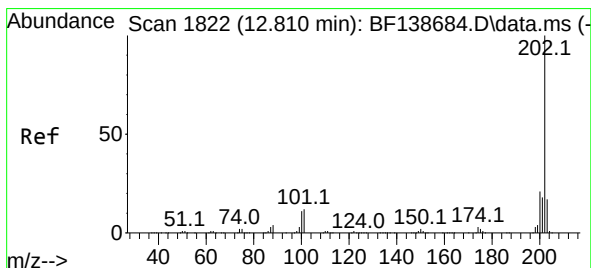
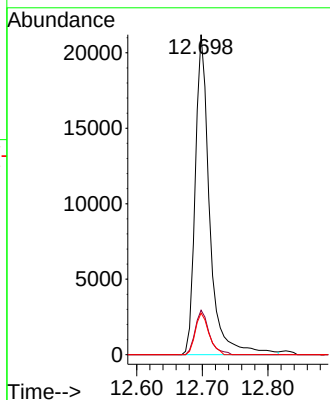
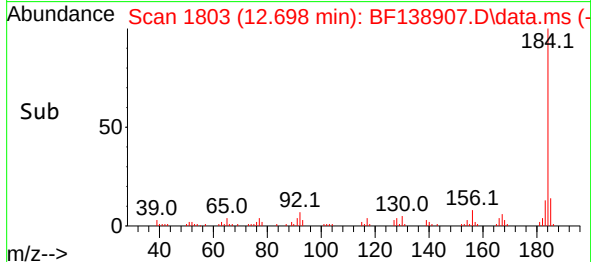
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



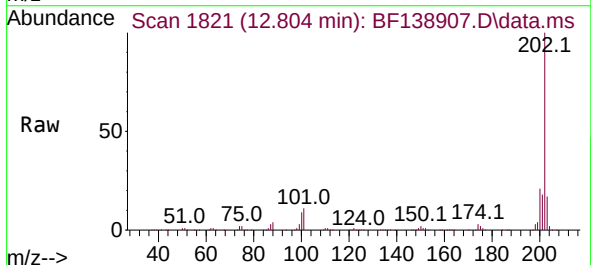
Tgt Ion:184 Resp: 32434
Ion Ratio Lower Upper
184 100
185 13.9 11.1 16.7
183 13.0 9.6 14.4

Manual Integrations
APPROVED

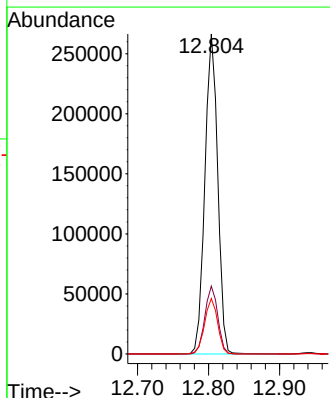
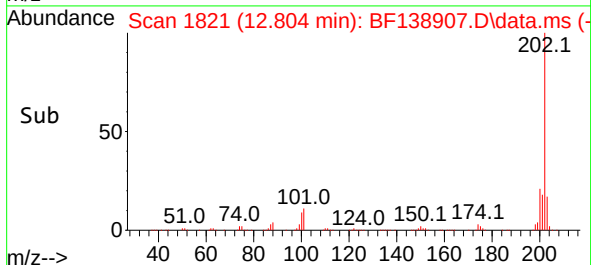
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

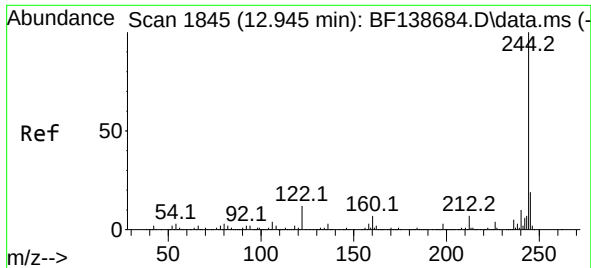


#78
Pyrene
Concen: 56.921 ng
RT: 12.804 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:202 Resp: 334380
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.3 13.8 20.6





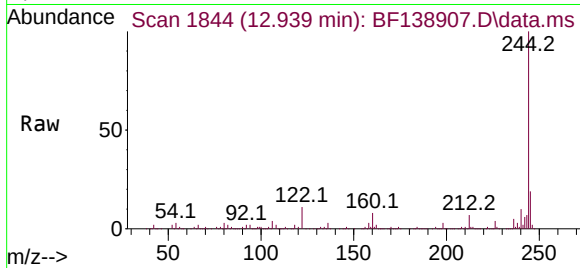
#79
 Terphenyl-d14
 Concen: 108.571 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138907.D
 Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

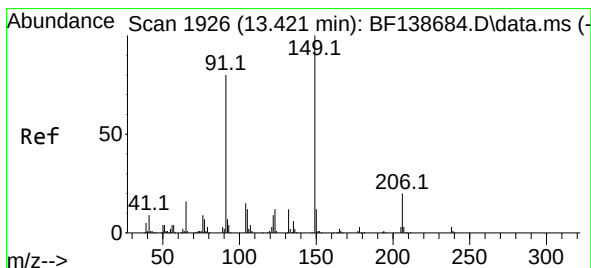
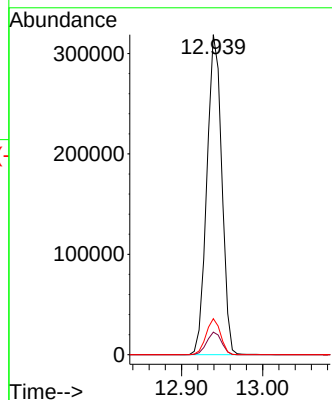
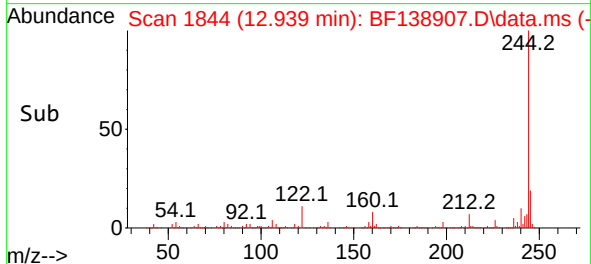


Tgt Ion:244 Resp: 404599
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.3 9.6 14.4

Manual Integrations

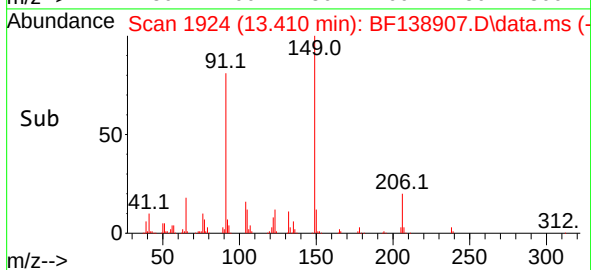
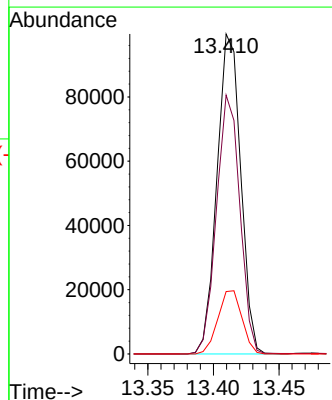
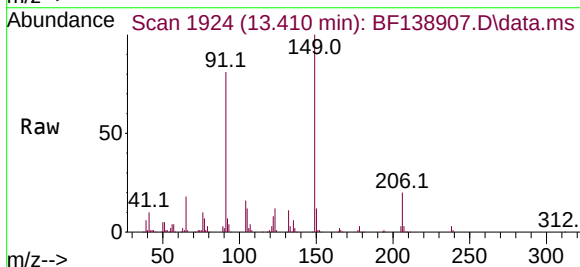
APPROVED

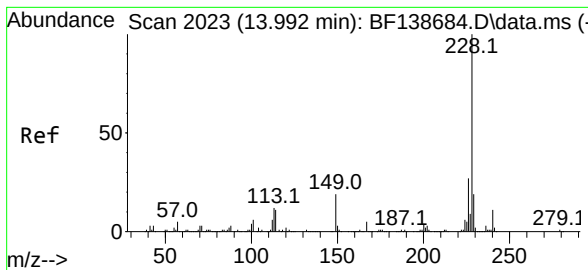
Reviewed By :Jagrut Upadhyay 08/12/2024
 Supervised By :mohammad ahmed 08/13/2024



#80
 Butylbenzylphthalate
 Concen: 66.472 ng
 RT: 13.410 min Scan# 1924
 Delta R.T. -0.012 min
 Lab File: BF138907.D
 Acq: 10 Aug 2024 13:47

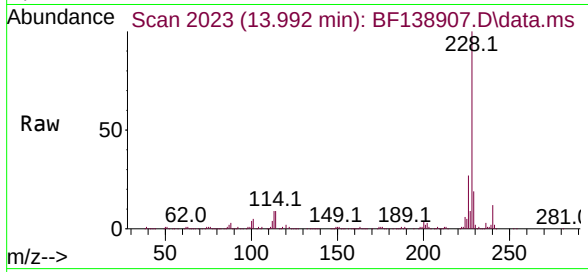
Tgt Ion:149 Resp: 125046
 Ion Ratio Lower Upper
 149 100
 91 80.9 63.7 95.5
 206 19.5 16.2 24.2





#81
Benzo(a)anthracene
Concen: 64.781 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

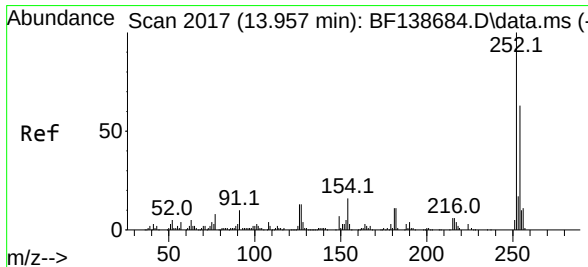
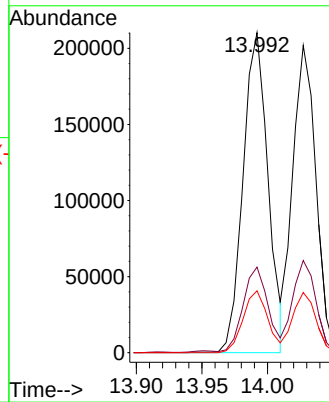
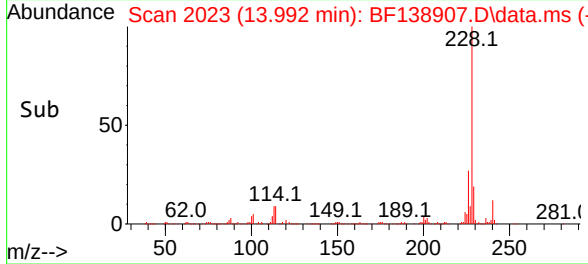
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



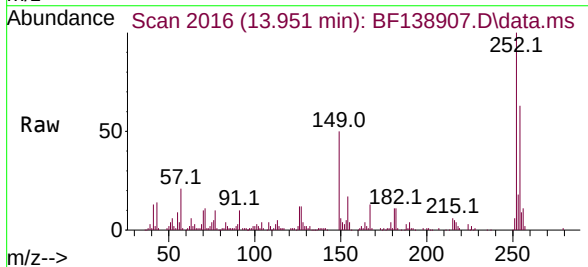
Tgt Ion:228 Resp: 27833
Ion Ratio Lower Upper
228 100
226 26.8 22.1 33.1
229 19.3 15.4 23.0

Manual Integrations
APPROVED

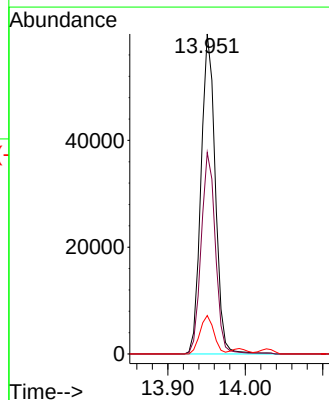
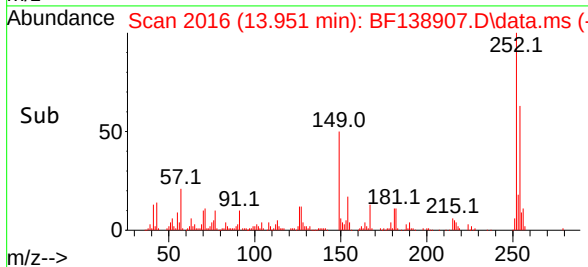
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

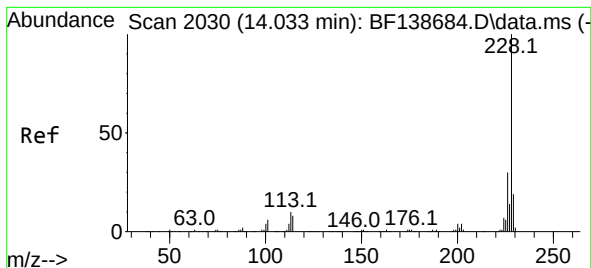


#82
3,3'-Dichlorobenzidine
Concen: 69.543 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:252 Resp: 76462
Ion Ratio Lower Upper
252 100
254 62.9 50.8 76.2
126 12.0 10.2 15.2





#83

Chrysene

Concen: 63.915 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

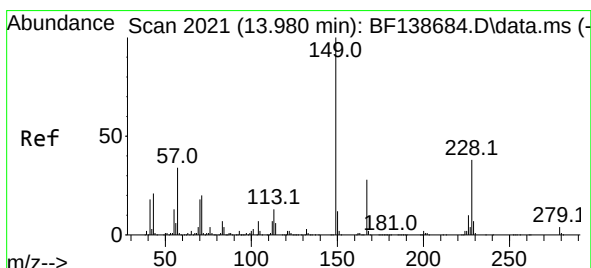
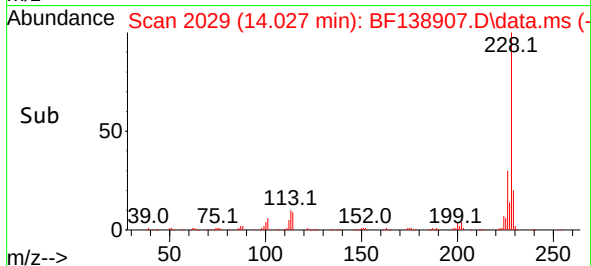
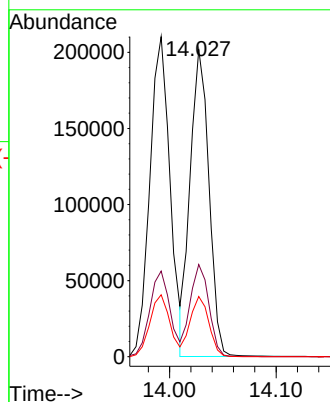
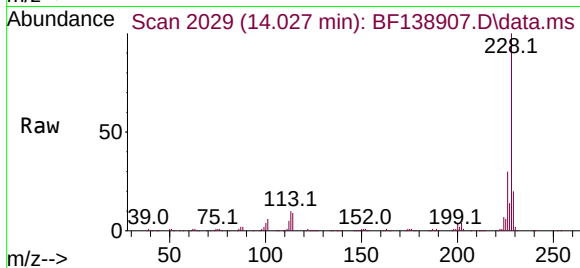
TOPSOILMS

Tgt	Ion:228	Resp:	24775
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	19.6	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 66.517 ng

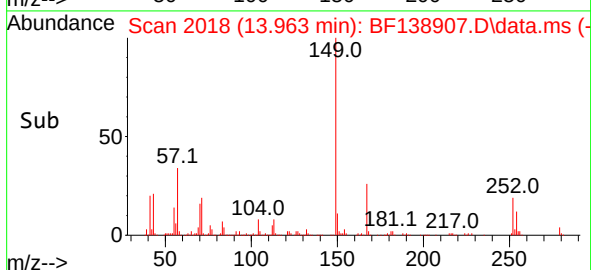
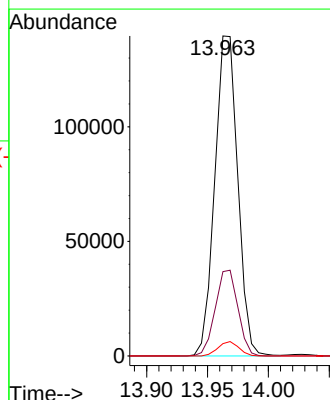
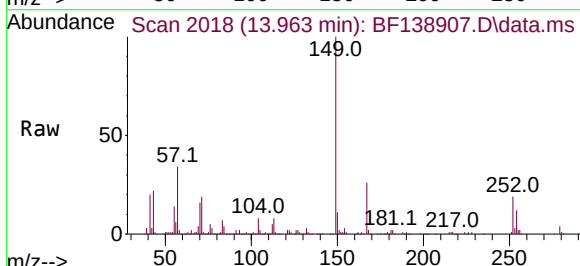
RT: 13.963 min Scan# 2018

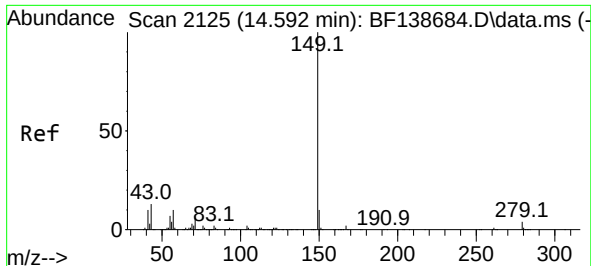
Delta R.T. -0.018 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Tgt Ion:149	Resp: 183232
Ion Ratio	Lower Upper
149 100	
167 26.3	22.2 33.4
279 3.9	3.4 5.0





#85
Di-n-octyl phthalate
Concen: 63.890 ng
RT: 14.574 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

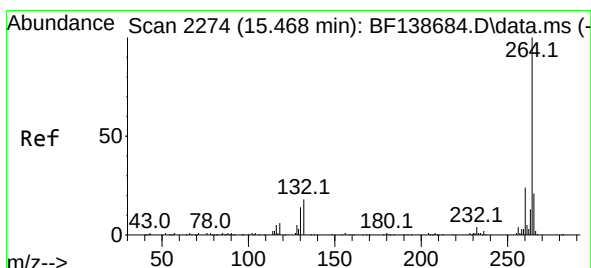
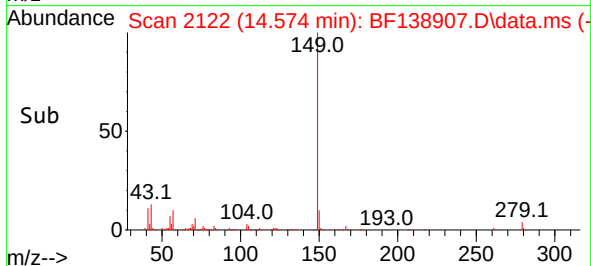
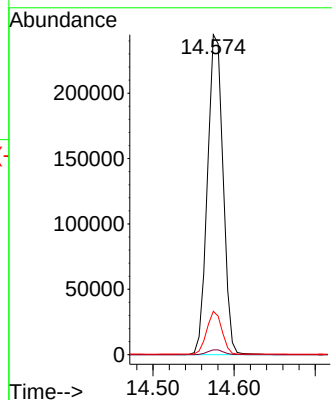
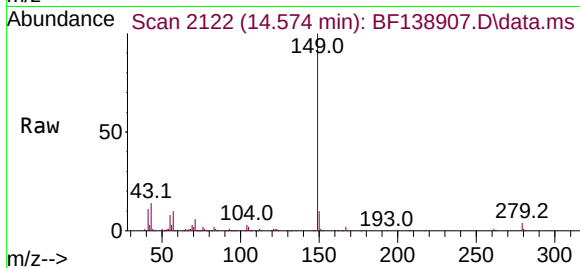
TOPSOILMS

Tgt Ion:149 Resp: 32562
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 13.1 10.4 15.6

Manual Integrations

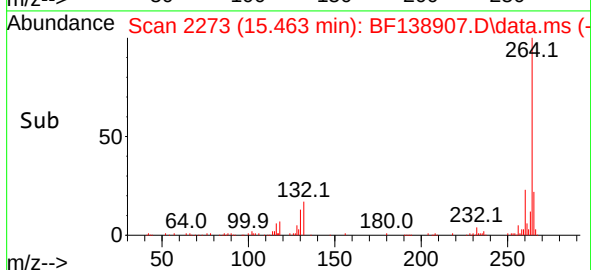
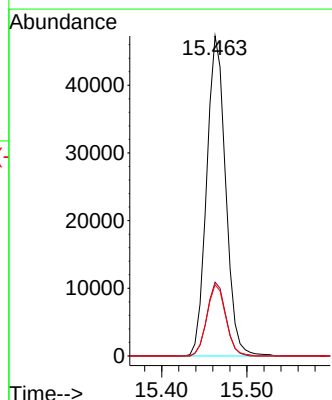
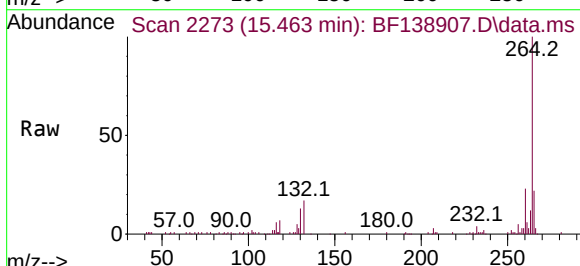
APPROVED

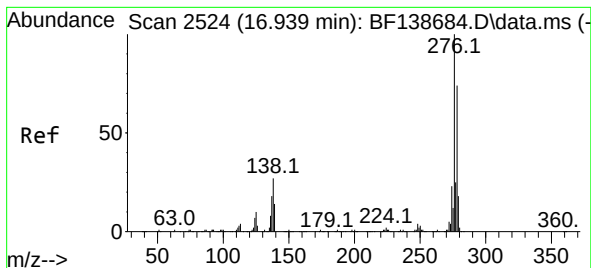
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:264 Resp: 73011
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 22.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.026 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

Instrument :

BNA_F

ClientSampleId :

TOPSOILMS

Tgt Ion:276 Resp: 314070

Ion Ratio Lower Upper

276 100

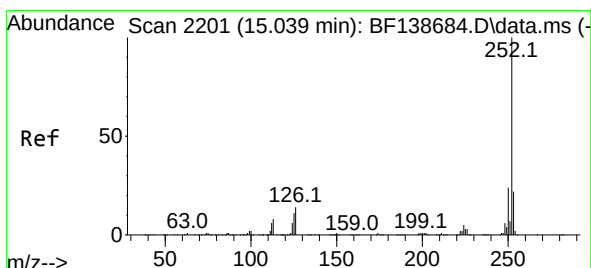
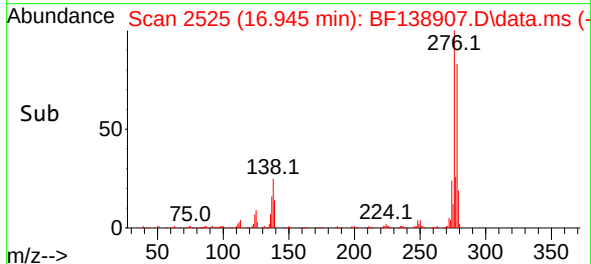
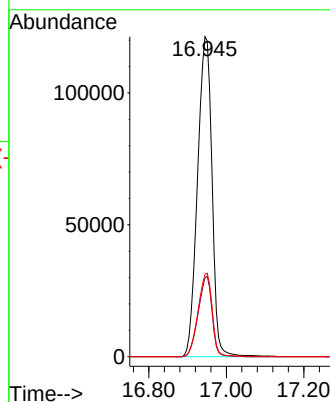
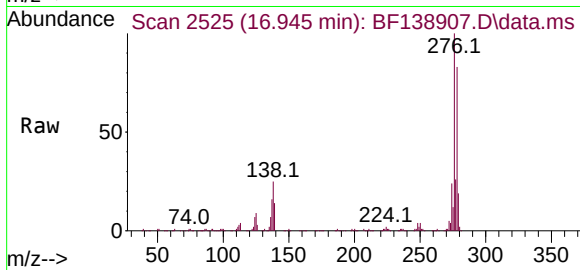
138 23.8 21.8 32.8

277 25.6 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#88

Benzo(b)fluoranthene

Concen: 61.443 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF138907.D

Acq: 10 Aug 2024 13:47

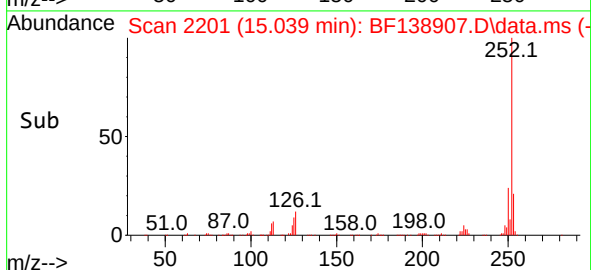
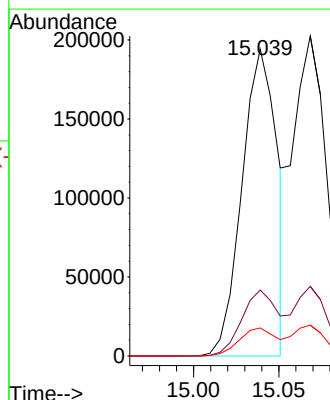
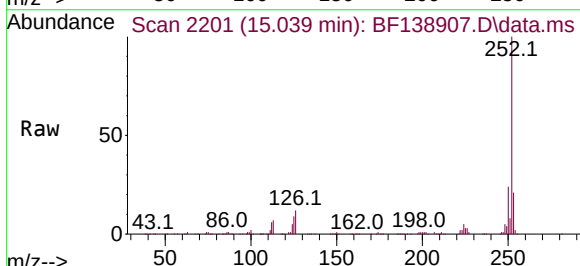
Tgt Ion:252 Resp: 278087

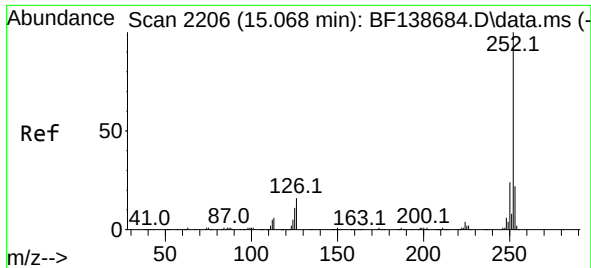
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

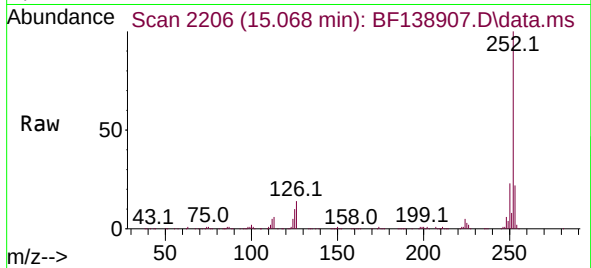
125 9.1 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 70.814 ng m
RT: 15.068 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

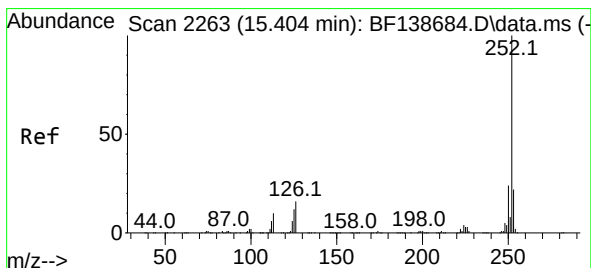
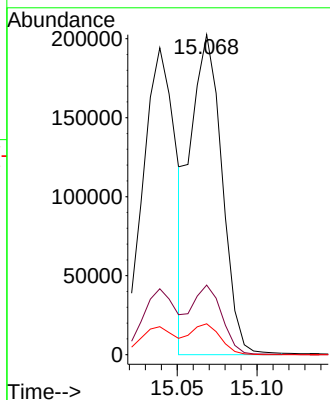
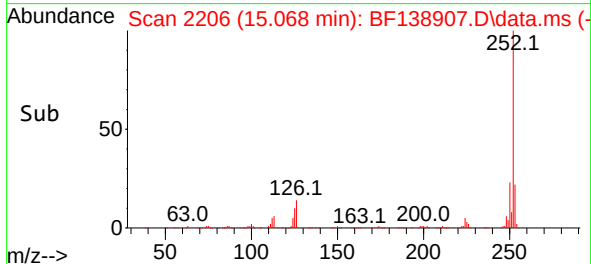
Instrument :
BNA_F
ClientSampleId :
TOPSOILMS



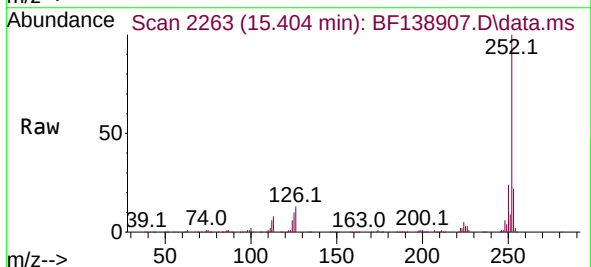
Tgt Ion:252 Resp: 277495
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.7 8.6 13.0

Manual Integrations
APPROVED

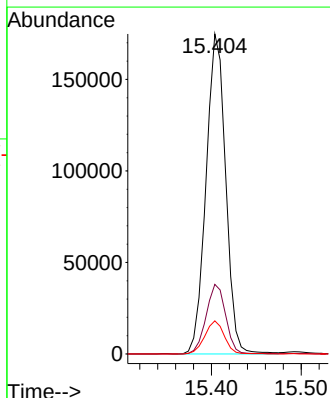
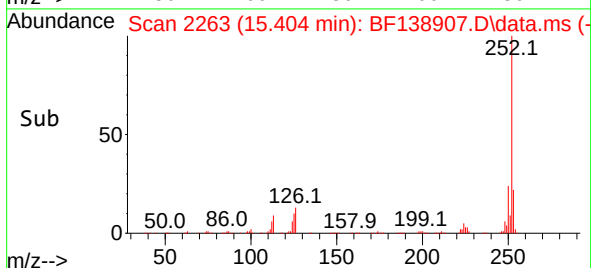
Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024

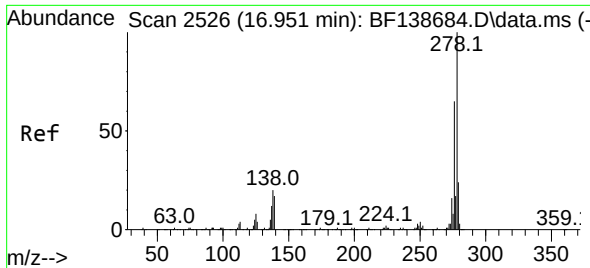


#90
Benzo(a)pyrene
Concen: 69.931 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47



Tgt Ion:252 Resp: 266225
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 10.4 9.5 14.3





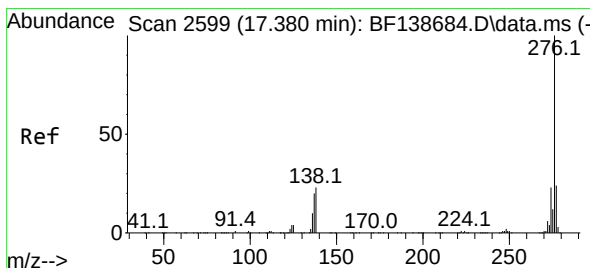
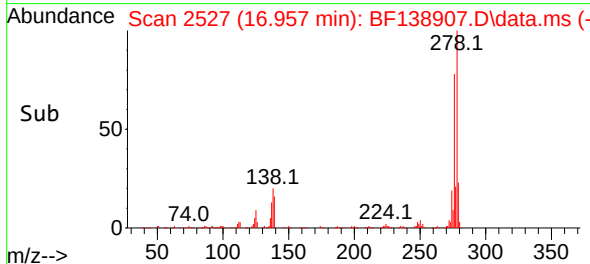
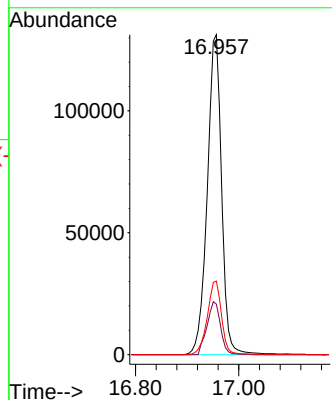
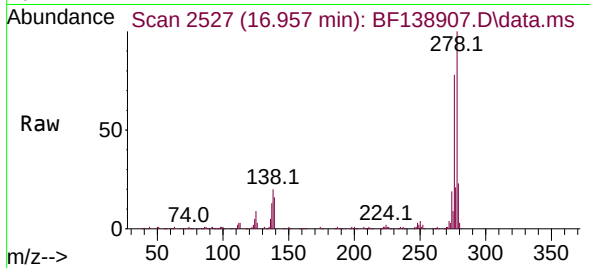
#91
Dibenzo(a,h)anthracene
Concen: 58.848 ng
RT: 16.957 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Instrument :
BNA_F
ClientSampleId :
TOPSOILMS

Tgt Ion:278 Resp: 25275
Ion Ratio Lower Upper
278 100
139 15.8 14.0 21.0
279 23.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/12/2024
Supervised By :mohammad ahmed 08/13/2024



#92
Benzo(g,h,i)perylene
Concen: 51.323 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138907.D
Acq: 10 Aug 2024 13:47

Tgt Ion:276 Resp: 228743
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.4
138 20.0 18.5 27.7

