

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141816.D
 Acq On : 03 Mar 2025 16:48
 Operator : RC/JU
 Sample : Q1458-03MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMS

Quant Time: Mar 03 17:30:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	116441	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	451070	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	242052	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	440656	20.000	ng	0.00
76) Chrysene-d12	14.045	240	467330	20.000	ng	0.00
86) Perylene-d12	15.515	264	445973	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1008940	138.376	ng	0.00
7) Phenol-d6	6.498	99	1176701	123.990	ng	-0.01
23) Nitrobenzene-d5	7.445	82	795734	112.762	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	347303	152.833	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1537149	101.827	ng	0.00
79) Terphenyl-d14	12.992	244	2313054	80.079	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.681	88	145448	43.963	ng	99
3) Pyridine	3.440	79	296528	36.023	ng	98
4) n-Nitrosodimethylamine	3.357	42	168857	42.633	ng	97
6) Aniline	6.545	93	113403	11.494	ng	99
8) 2-Chlorophenol	6.669	128	342557	43.431	ng	98
9) Benzaldehyde	6.434	77	91200	16.521	ng	99
10) Phenol	6.516	94	392506	38.704	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	330869	42.802	ng	98
12) 1,3-Dichlorobenzene	6.828	146	344681	40.806	ng	99
13) 1,4-Dichlorobenzene	6.904	146	349627	41.080	ng	99
14) 1,2-Dichlorobenzene	7.057	146	336996	42.403	ng	98
15) Benzyl Alcohol	7.022	79	311859	41.117	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	507906	43.264	ng	97
17) 2-Methylphenol	7.128	107	280226	43.042	ng	99
18) Hexachloroethane	7.398	117	126022	39.561	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	261734	41.954	ng	98
20) 3+4-Methylphenols	7.281	107	366016	45.148	ng	91
22) Acetophenone	7.293	105	538541	49.021	ng	96
24) Nitrobenzene	7.463	77	361456	47.832	ng	99
25) Isophorone	7.698	82	692623	45.686	ng	99
26) 2-Nitrophenol	7.781	139	125383	38.171	ng	99
27) 2,4-Dimethylphenol	7.810	122	303939	54.539	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	423230	43.763	ng	99
29) 2,4-Dichlorophenol	8.016	162	283459	44.090	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	293850	41.711	ng	98
31) Naphthalene	8.187	128	1014615	43.765	ng	99
32) Benzoic acid	7.887	122	154729	35.626	ng	98
33) 4-Chloroaniline	8.234	127	48528	5.709	ng	98
34) Hexachlorobutadiene	8.310	225	178857	40.856	ng	97
35) Caprolactam	8.575	113	68665	34.718	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	315532	44.181	ng	99
37) 2-Methylnaphthalene	8.881	142	653892	43.002	ng	100
38) 1-Methylnaphthalene	8.981	142	640317	43.885	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	338549	48.428	ng	99
41) Hexachlorocyclopentadiene	9.034	237	362480	124.247	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	201174	44.550	ng	100

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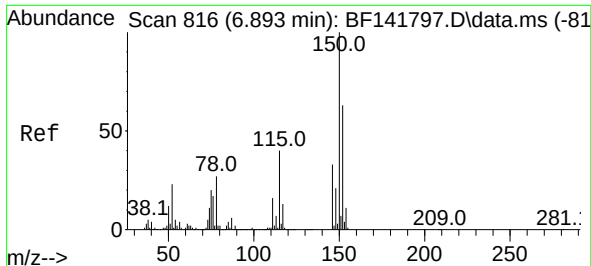
Quant Time: Mar 03 17:30:15 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	213337	47.709	ng	100
46) 1,1'-Biphenyl	9.345	154	949304	51.525	ng	99
47) 2-Chloronaphthalene	9.369	162	632850	46.539	ng	98
48) 2-Nitroaniline	9.457	65	184256	49.366	ng	99
49) Acenaphthylene	9.781	152	1024510	50.250	ng	99
50) Dimethylphthalate	9.639	163	763651	47.111	ng	99
51) 2,6-Dinitrotoluene	9.698	165	151227	48.723	ng	99
52) Acenaphthene	9.957	154	696992	50.665	ng	98
53) 3-Nitroaniline	9.863	138	73613	23.876	ng	98
54) 2,4-Dinitrophenol	9.969	184	111039	78.520	ng	# 20
55) Dibenzofuran	10.128	168	937631	46.827	ng	97
56) 4-Nitrophenol	10.016	139	283016	118.214	ng	99
57) 2,4-Dinitrotoluene	10.098	165	208658	54.569	ng	99
58) Fluorene	10.469	166	740188	49.351	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	192506	49.500	ng	99
60) Diethylphthalate	10.339	149	766065	47.142	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	352302	46.881	ng	100
62) 4-Nitroaniline	10.475	138	167757	60.601	ng	97
63) Azobenzene	10.622	77	793899	46.400	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	79064	39.778	ng	99
66) n-Nitrosodiphenylamine	10.581	169	652619	45.103	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	223507	43.424	ng	100
68) Hexachlorobenzene	11.016	284	244057	44.904	ng	100
69) Atrazine	11.104	200	259548	65.228	ng	99
70) Pentachlorophenol	11.204	266	318446	92.380	ng	99
71) Phenanthrene	11.433	178	1170509	49.659	ng	99
72) Anthracene	11.480	178	1210265	51.232	ng	99
73) Carbazole	11.633	167	1120317	53.704	ng	99
74) Di-n-butylphthalate	11.969	149	1317420	49.821	ng	99
75) Fluoranthene	12.622	202	1369797	56.716	ng	99
77) Benzidine	12.739	184	90655	15.412	ng	97
78) Pyrene	12.851	202	1431855	35.382	ng	99
80) Butylbenzylphthalate	13.469	149	618503	42.067	ng	100
81) Benzo(a)anthracene	14.033	228	1493462	48.382	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	137299	15.503	ng	100
83) Chrysene	14.074	228	1279187	44.955	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	869780	47.510	ng	99
85) Di-n-octyl phthalate	14.645	149	1521257	55.504	ng	100
87) Indeno(1,2,3-cd)pyrene	17.010	276	1272144	44.797	ng	100
88) Benzo(b)fluoranthene	15.086	252	1435368	47.250	ng	99
89) Benzo(k)fluoranthene	15.116	252	1178286	45.634	ng	100
90) Benzo(a)pyrene	15.457	252	1213499	49.809	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	1055322	45.527	ng	99
92) Benzo(g,h,i)perylene	17.457	276	961232	40.477	ng	99

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

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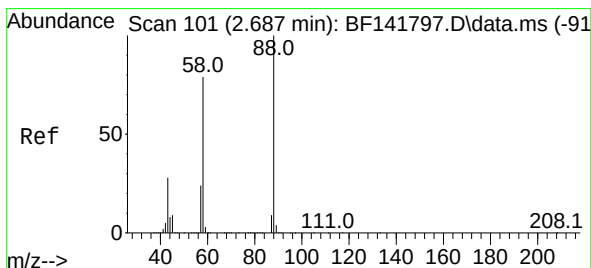
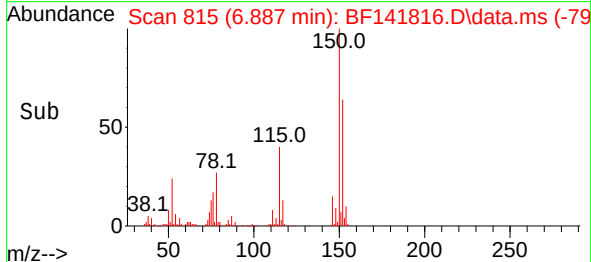
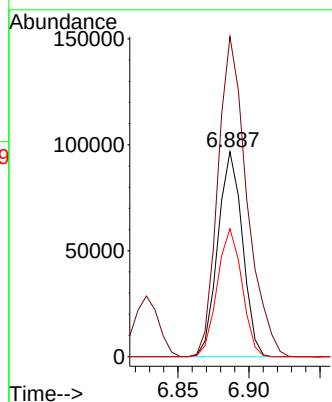
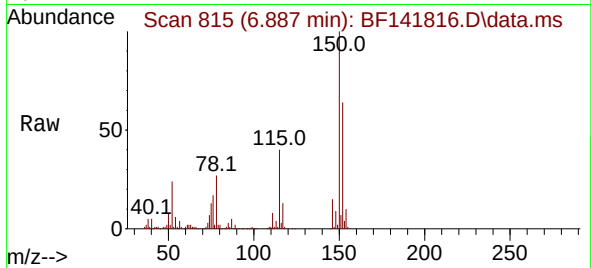




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF141816.D
 Acq: 03 Mar 2025 16:48

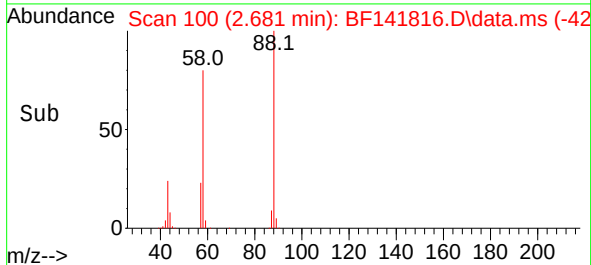
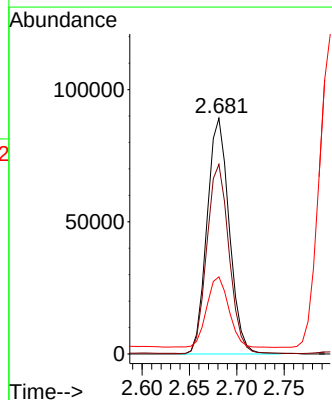
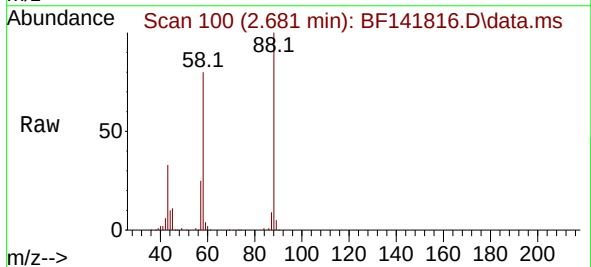
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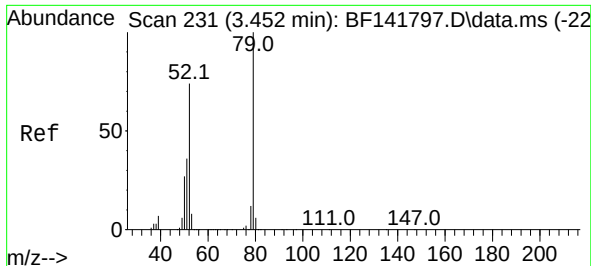
Tgt Ion:152 Resp: 116441
 Ion Ratio Lower Upper
 152 100
 150 156.1 127.5 191.3
 115 62.4 51.4 77.2



#2
 1,4-Dioxane
 Concen: 43.963 ng
 RT: 2.681 min Scan# 100
 Delta R.T. -0.006 min
 Lab File: BF141816.D
 Acq: 03 Mar 2025 16:48

Tgt Ion: 88 Resp: 145448
 Ion Ratio Lower Upper
 88 100
 58 80.4 63.9 95.9
 43 29.9 23.0 34.6





#3

Pyridine

Concen: 36.023 ng

RT: 3.440 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

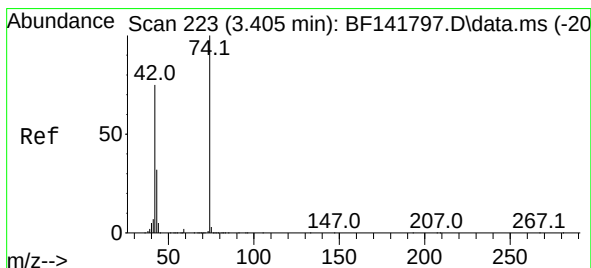
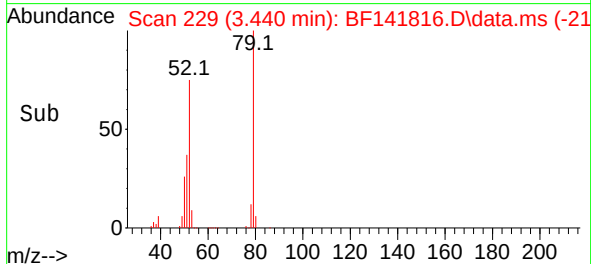
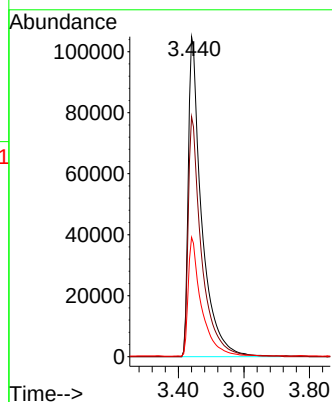
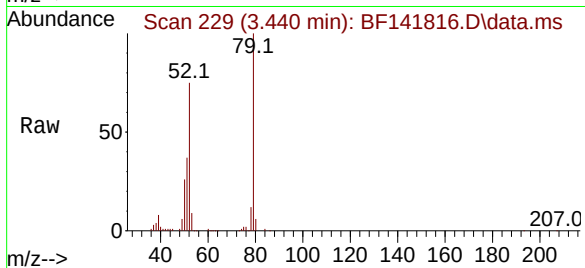
Tgt Ion: 79 Resp: 296528

Ion Ratio Lower Upper

79 100

52 75.0 59.0 88.4

51 37.3 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 42.633 ng

RT: 3.357 min Scan# 215

Delta R.T. -0.047 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

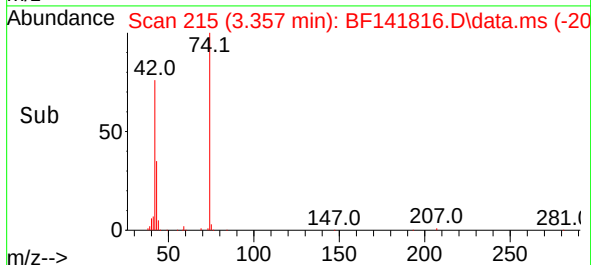
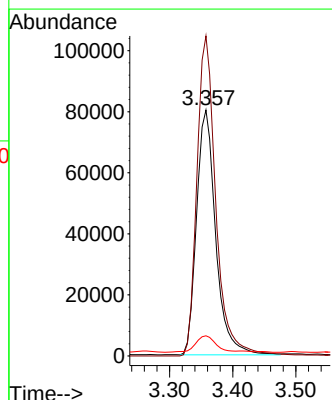
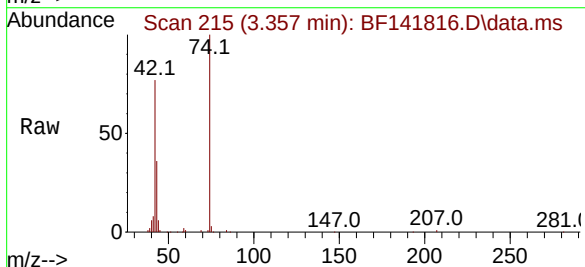
Tgt Ion: 42 Resp: 168857

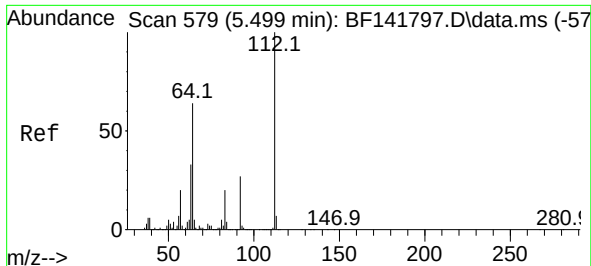
Ion Ratio Lower Upper

42 100

74 130.1 107.1 160.7

44 8.2 6.6 9.8

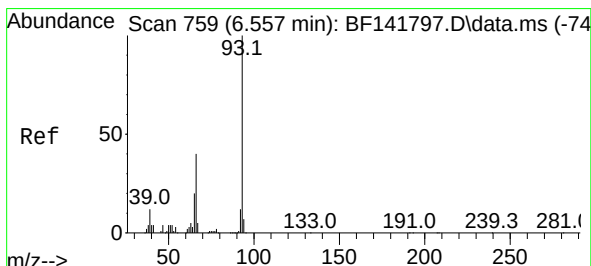
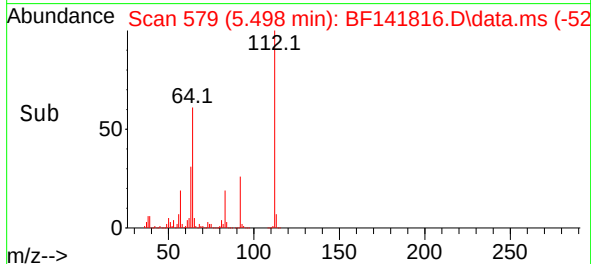
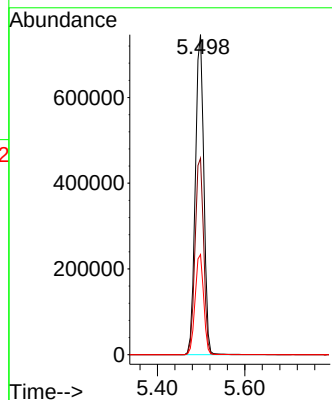
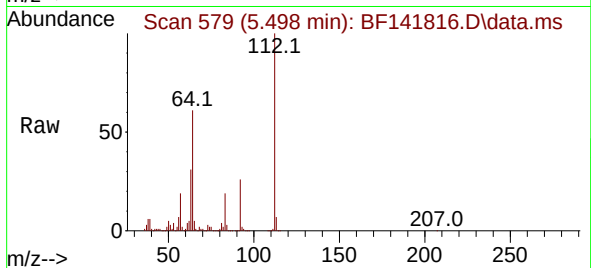




#5
2-Fluorophenol
Concen: 138.376 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

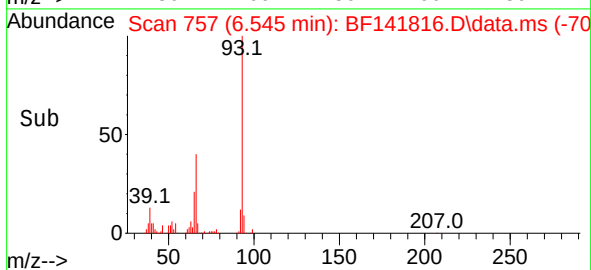
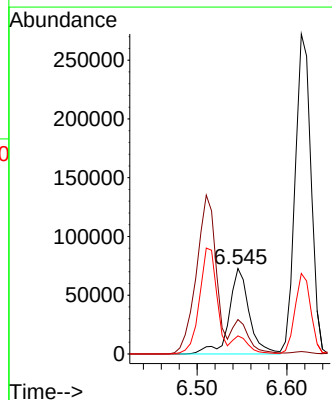
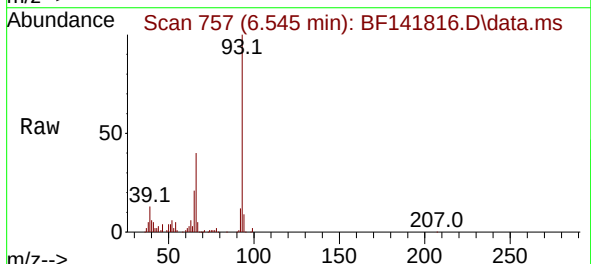
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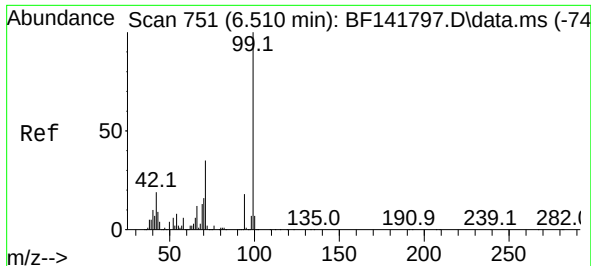
Tgt Ion:112 Resp: 1008940
Ion Ratio Lower Upper
112 100
64 61.4 51.3 76.9
63 31.3 26.2 39.4



#6
Aniline
Concen: 11.494 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion: 93 Resp: 113403
Ion Ratio Lower Upper
93 100
66 40.3 32.3 48.5
65 21.2 15.9 23.9

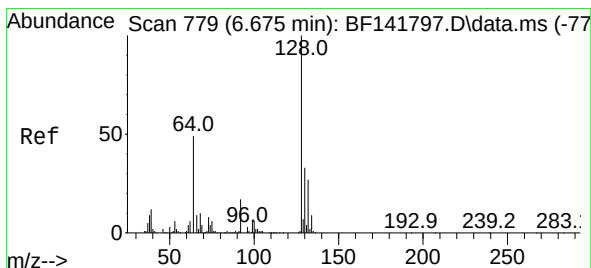
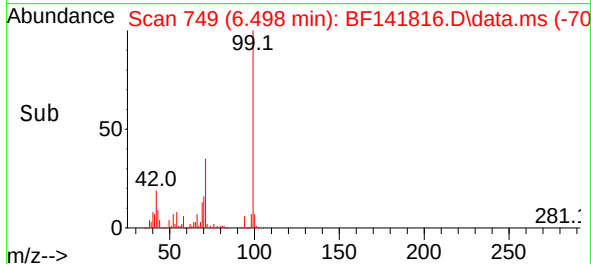
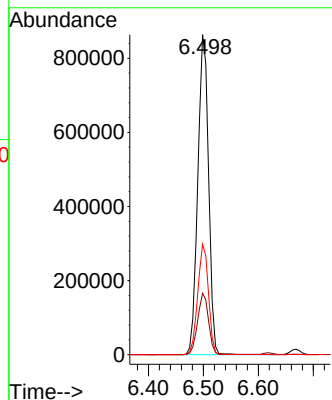
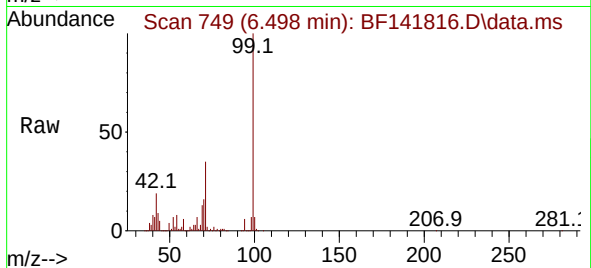




#7
Phenol-d6
Concen: 123.990 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

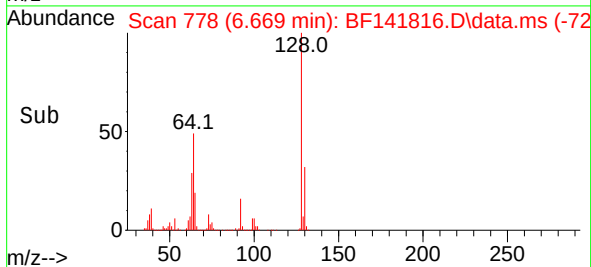
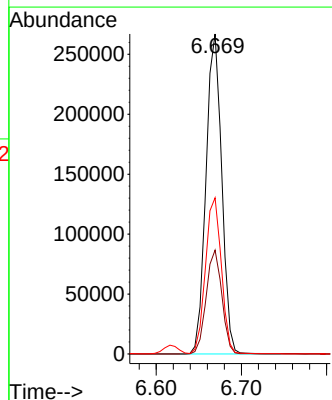
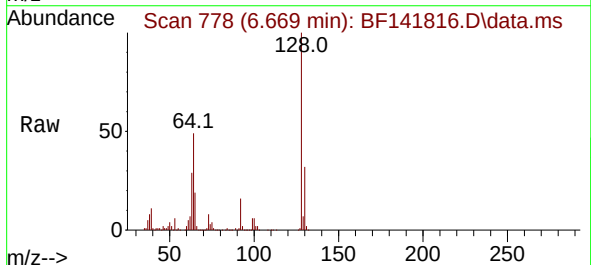
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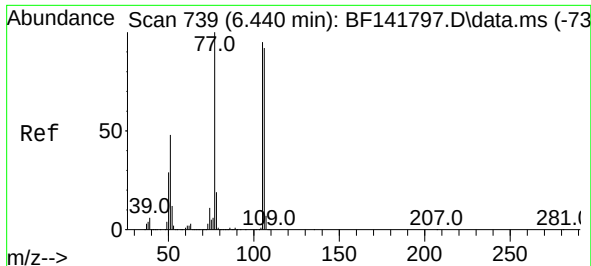
Tgt Ion: 99 Resp: 1176701
Ion Ratio Lower Upper
99 100
42 19.2 15.2 22.8
71 34.5 28.2 42.2



#8
2-Chlorophenol
Concen: 43.431 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:128 Resp: 342557
Ion Ratio Lower Upper
128 100
130 32.5 12.6 52.6
64 48.8 31.1 71.1

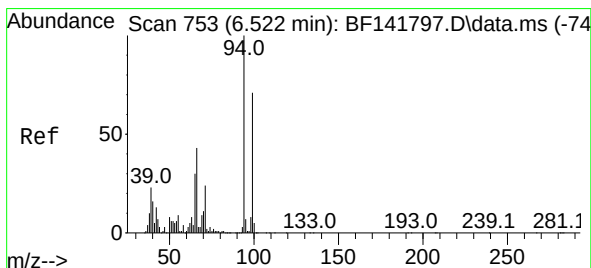
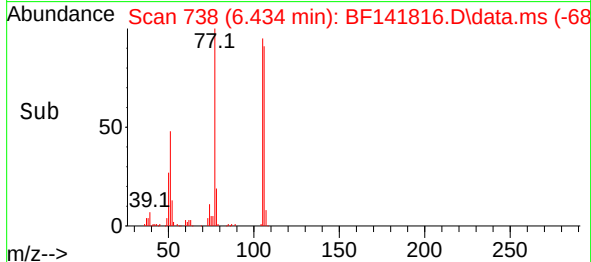
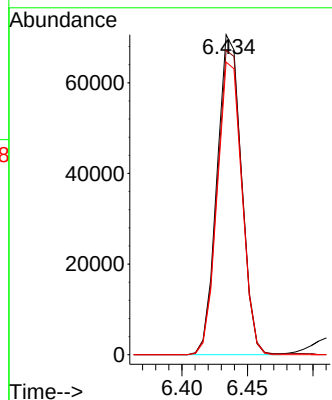
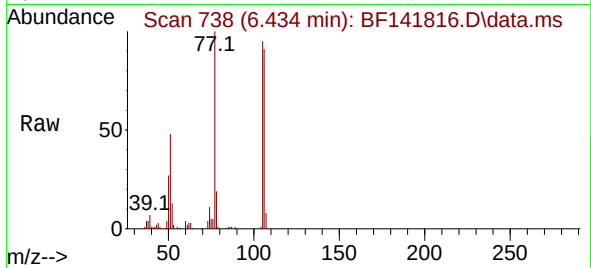




#9
Benzaldehyde
Concen: 16.521 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

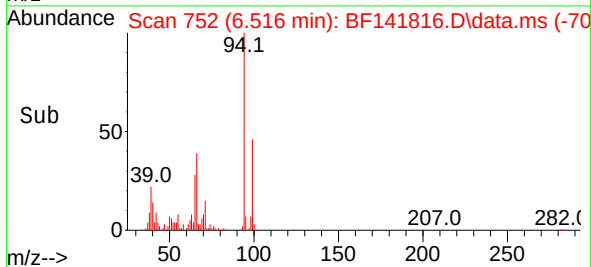
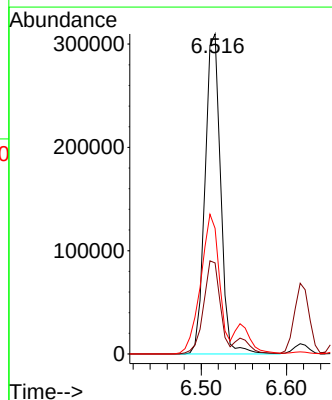
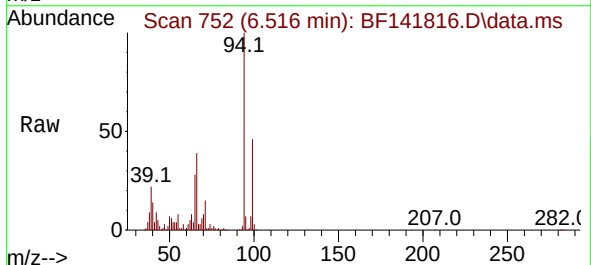
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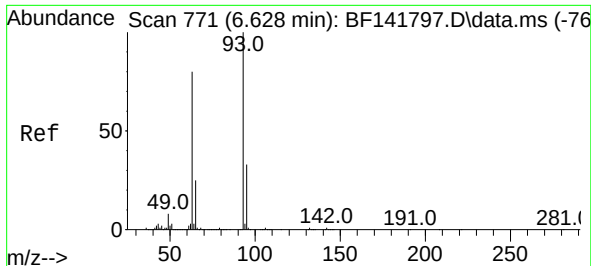
Tgt Ion: 77 Resp: 91200
Ion Ratio Lower Upper
77 100
105 95.1 75.3 115.3
106 91.4 72.3 112.3



#10
Phenol
Concen: 38.704 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion: 94 Resp: 392506
Ion Ratio Lower Upper
94 100
65 28.5 10.2 50.2
66 39.3 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 42.802 ng

RT: 6.616 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

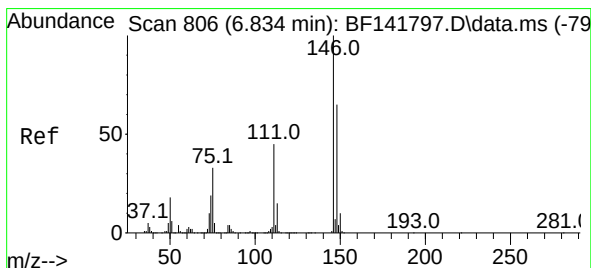
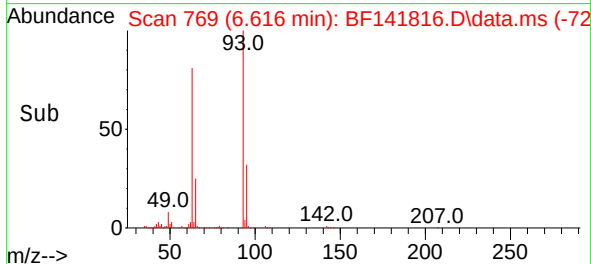
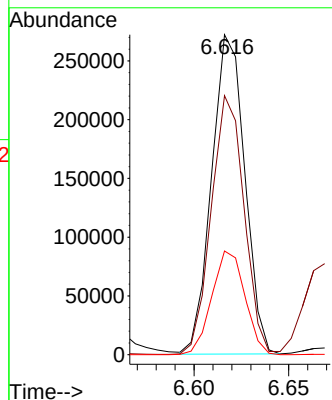
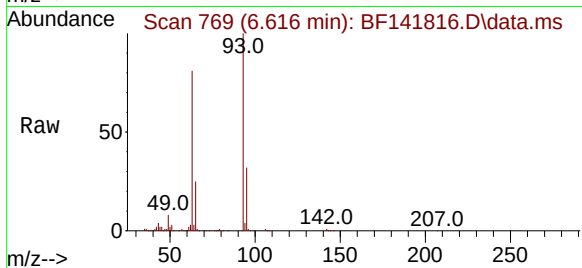
Tgt Ion: 93 Resp: 330869

Ion Ratio Lower Upper

93 100

63 80.9 59.3 99.3

95 32.4 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 40.806 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

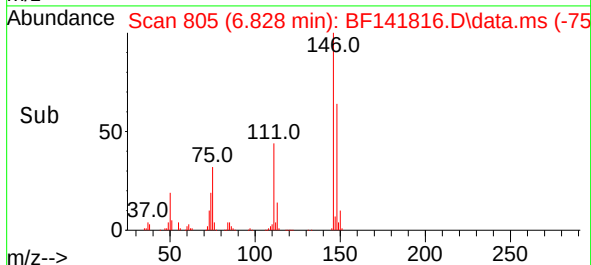
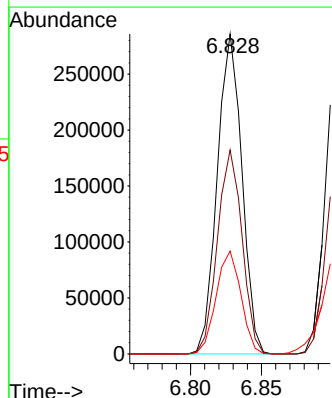
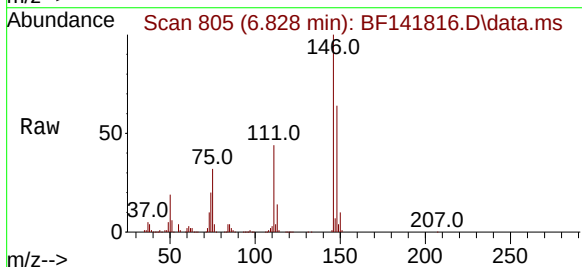
Tgt Ion:146 Resp: 344681

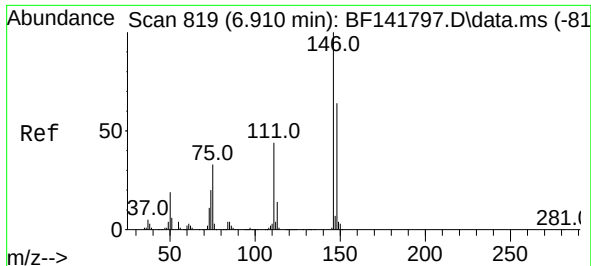
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

75 32.2 26.2 39.4

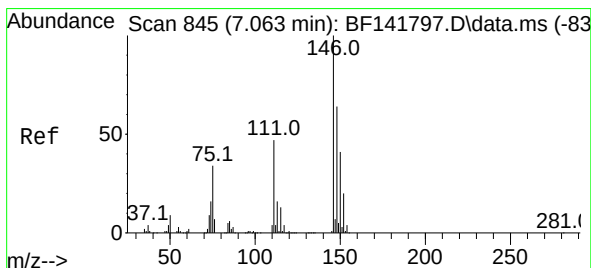
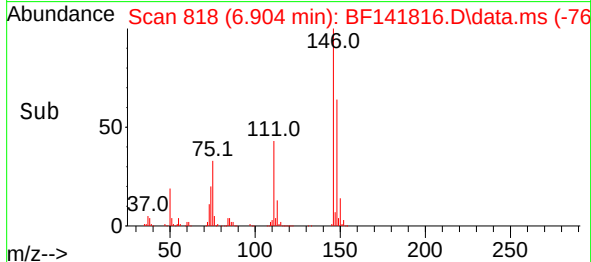
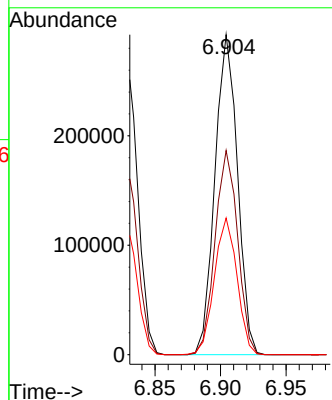
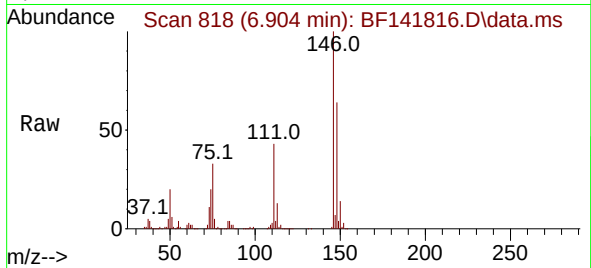




#13
1,4-Dichlorobenzene
Concen: 41.080 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

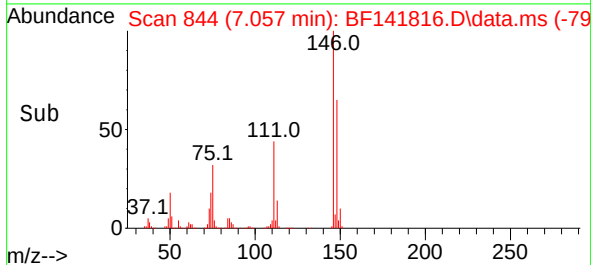
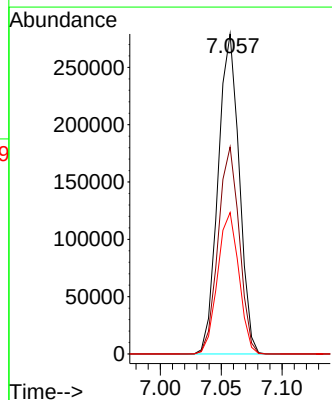
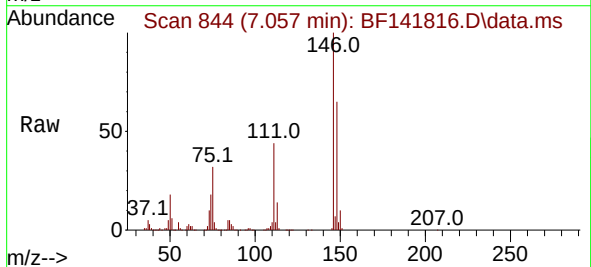
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

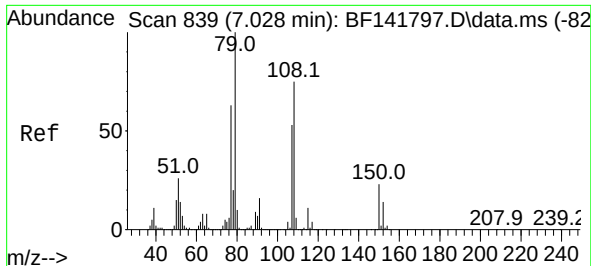
Tgt Ion:146 Resp: 349627
Ion Ratio Lower Upper
146 100
148 63.8 51.4 77.2
111 42.7 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 42.403 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:146 Resp: 336996
Ion Ratio Lower Upper
146 100
148 64.7 51.2 76.8
111 44.2 37.8 56.6

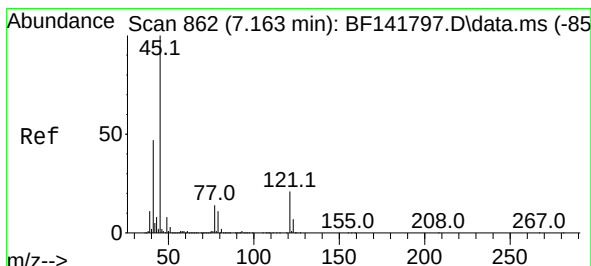
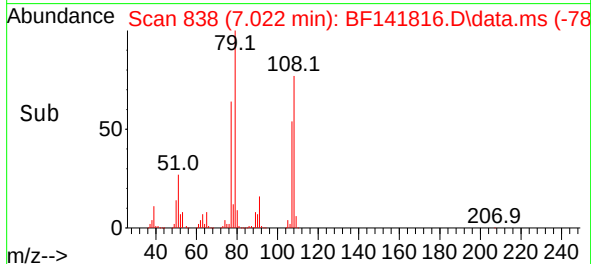
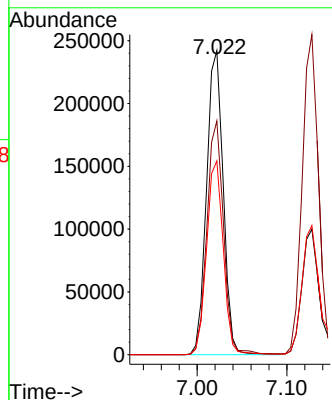
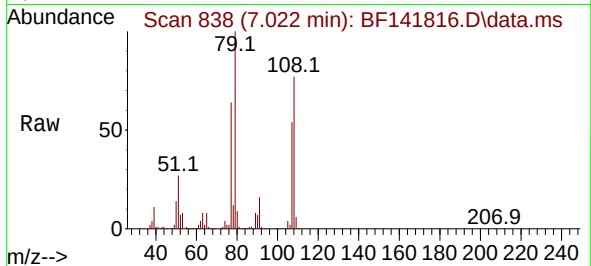




#15
Benzyl Alcohol
Concen: 41.117 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

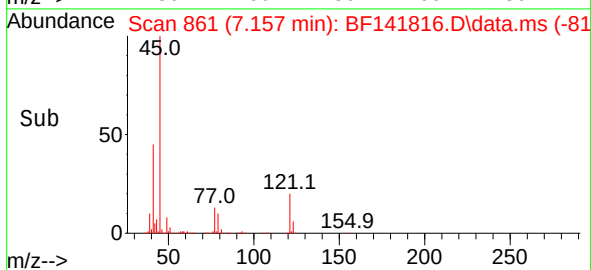
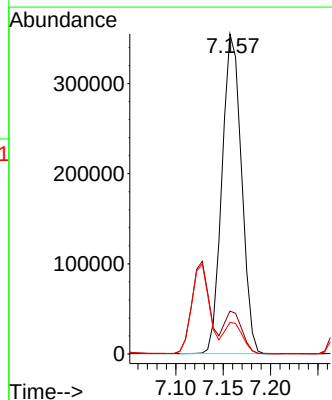
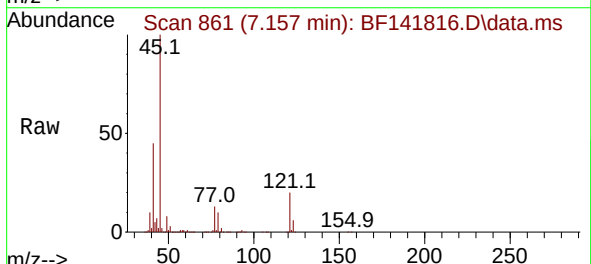
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

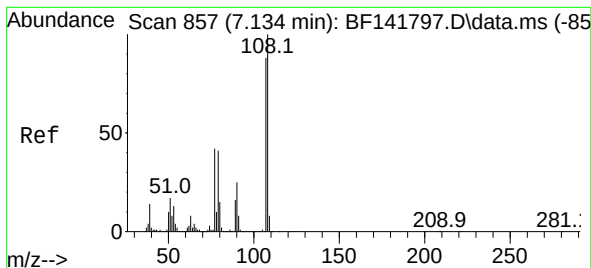
Tgt Ion: 79 Resp: 311859
Ion Ratio Lower Upper
79 100
108 76.9 60.2 90.2
77 63.7 50.2 75.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.264 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

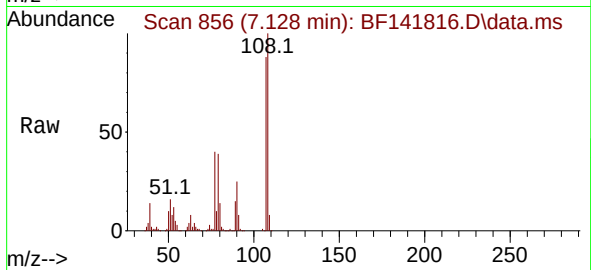
Tgt Ion: 45 Resp: 507906
Ion Ratio Lower Upper
45 100
77 13.4 0.0 34.4
79 9.8 0.0 30.9



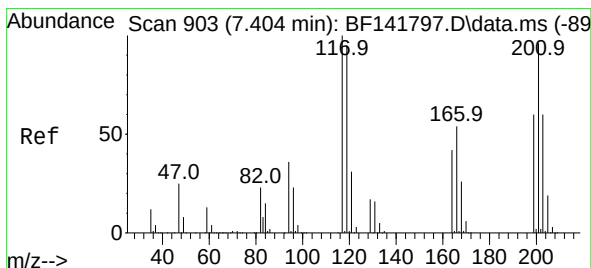
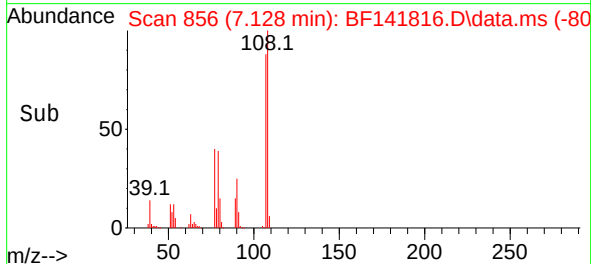
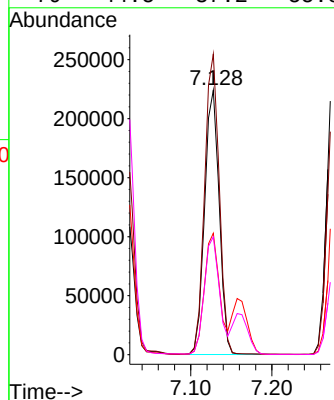


#17
2-Methylphenol
Concen: 43.042 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

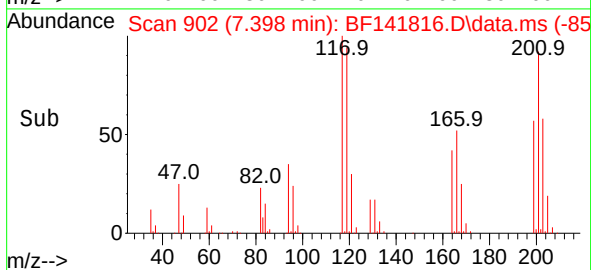
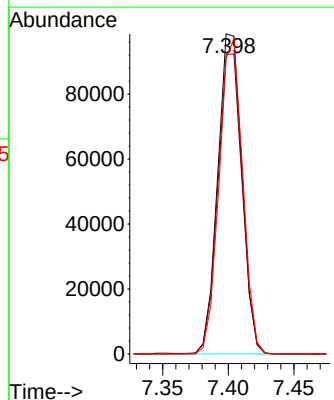
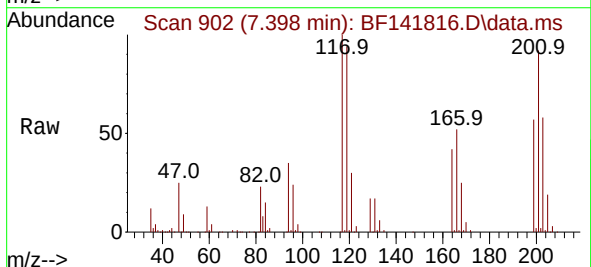


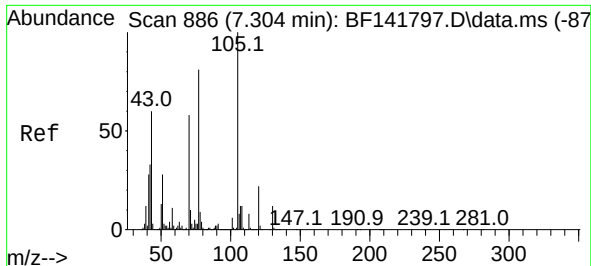
Tgt Ion:	107	Resp:	280226
Ion	Ratio	Lower	Upper
107	100		
108	113.7	90.6	135.8
77	45.9	37.7	56.5
79	44.5	37.2	55.8



#18
Hexachloroethane
Concen: 39.561 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:	117	Resp:	126022
Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.8	113.8
201	92.3	76.7	115.1





#19

n-Nitroso-di-n-propylamine

Concen: 41.954 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

Tgt Ion: 70 Resp: 261734

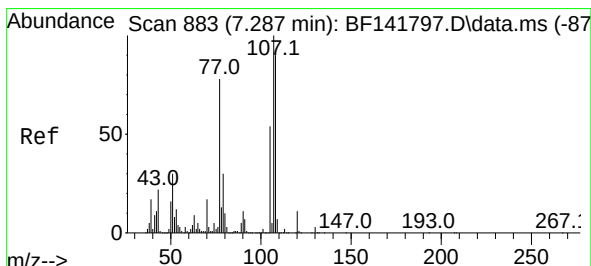
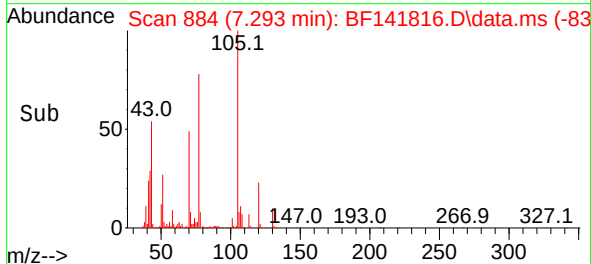
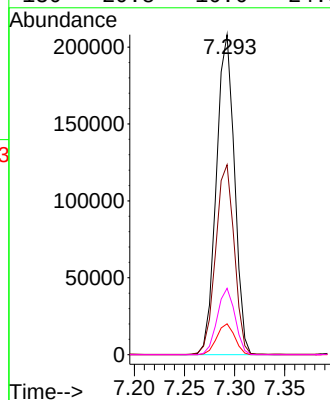
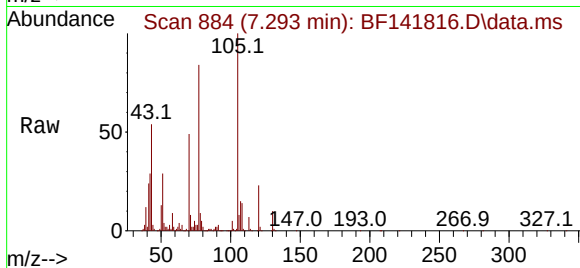
Ion Ratio Lower Upper

70 100

42 59.4 45.4 68.0

101 9.7 7.8 11.8

130 20.8 16.6 24.8



#20

3+4-Methylphenols

Concen: 45.148 ng

RT: 7.281 min Scan# 882

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Tgt Ion:107 Resp: 366016

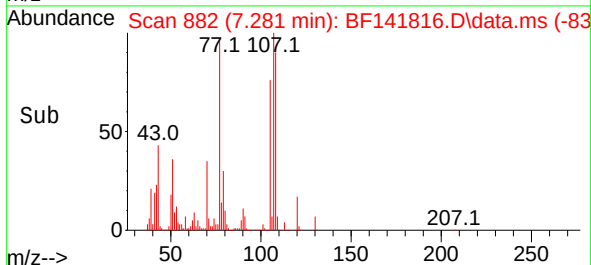
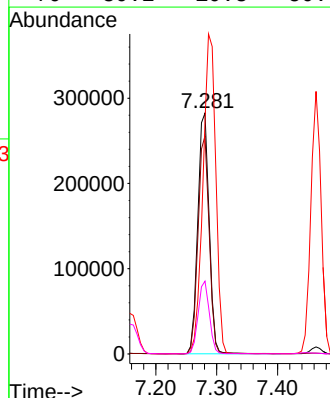
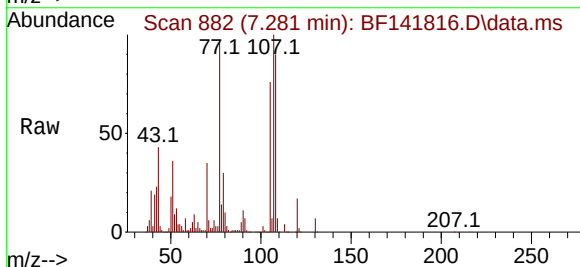
Ion Ratio Lower Upper

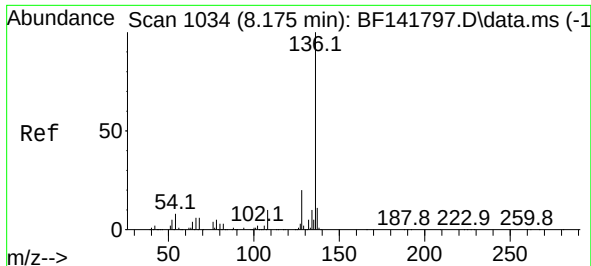
107 100

108 90.5 69.7 109.7

77 96.5 58.3 98.3

79 30.2 10.3 50.3



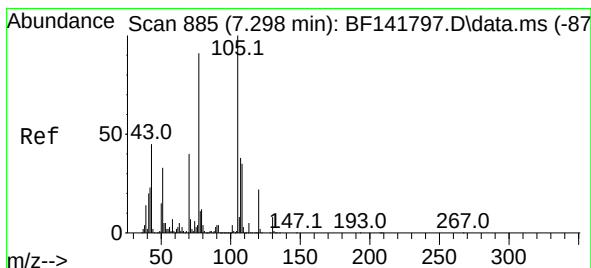
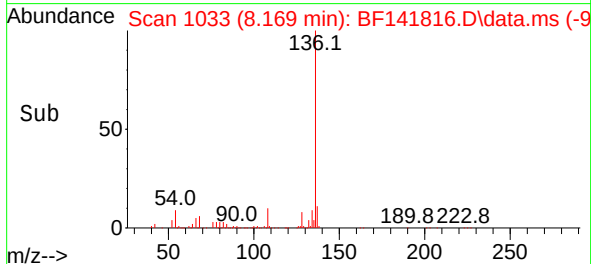
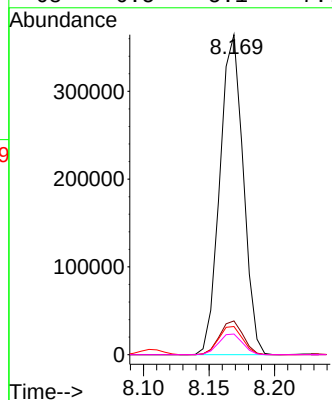
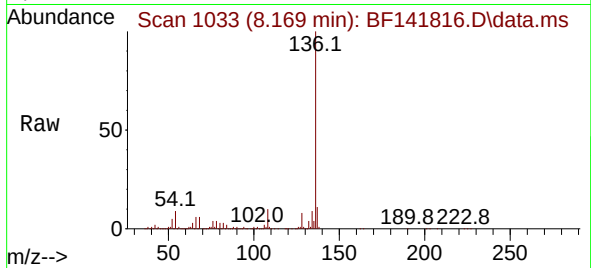


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

Tgt Ion:136 Resp: 451070

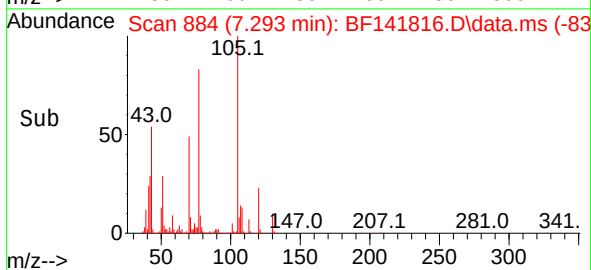
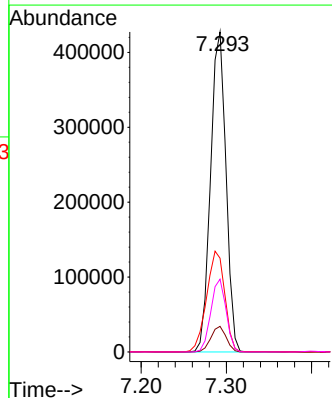
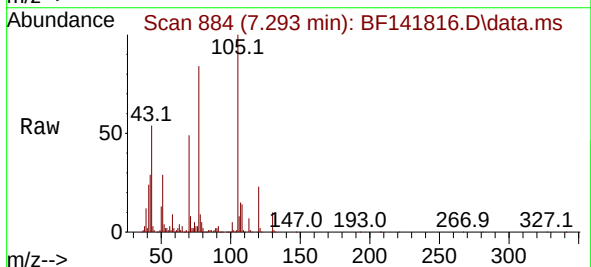
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.8	6.9	10.3
68	6.5	5.1	7.7

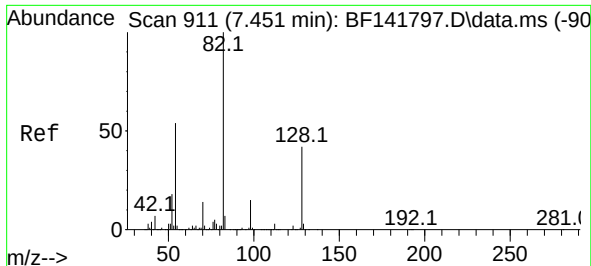


#22
Acetophenone
Concen: 49.021 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:105 Resp: 538541

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.4	8.0
51	29.3	26.1	39.1
120	22.7	17.5	26.3





#23

Nitrobenzene-d5

Concen: 112.762 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

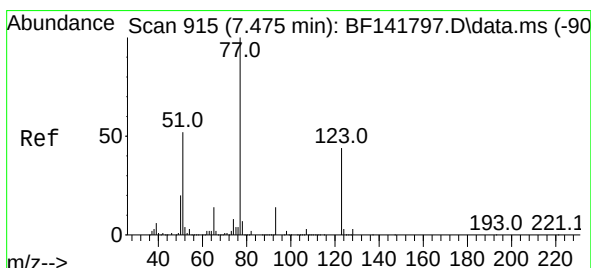
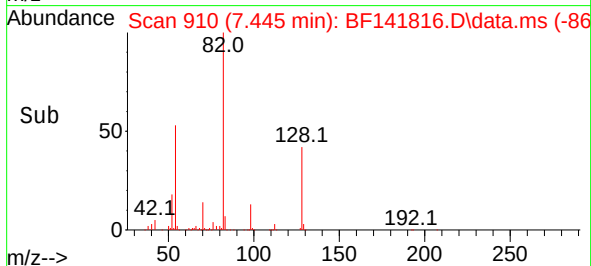
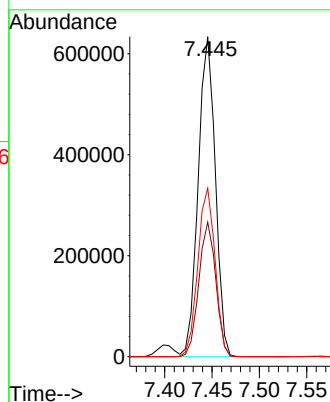
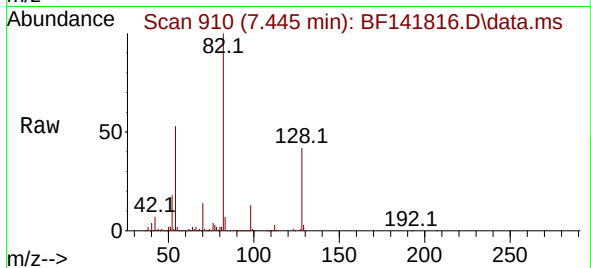
Tgt Ion: 82 Resp: 795734

Ion Ratio Lower Upper

82 100

128 42.1 33.5 50.3

54 52.7 42.7 64.1



#24

Nitrobenzene

Concen: 47.832 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

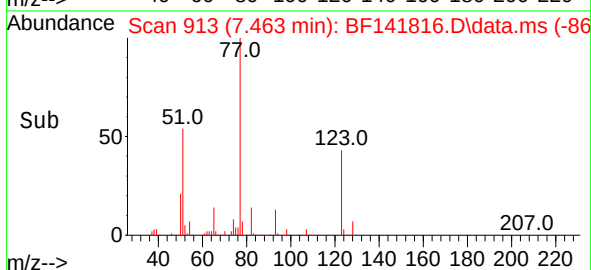
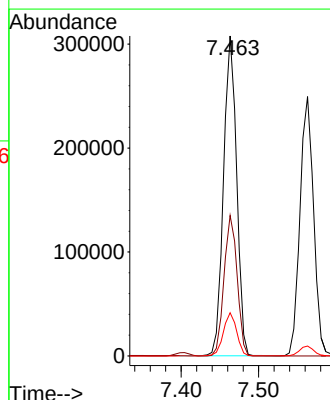
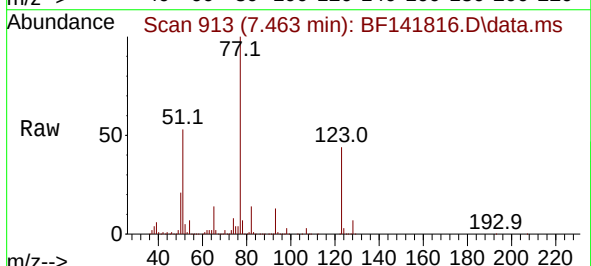
Tgt Ion: 77 Resp: 361456

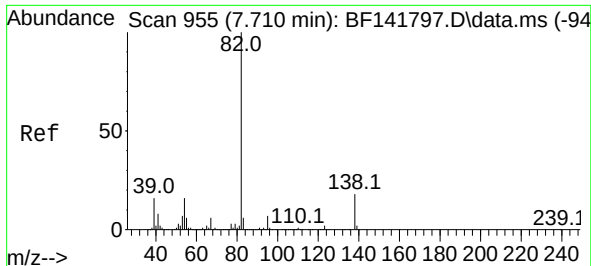
Ion Ratio Lower Upper

77 100

123 43.9 35.8 53.8

65 13.5 11.2 16.8

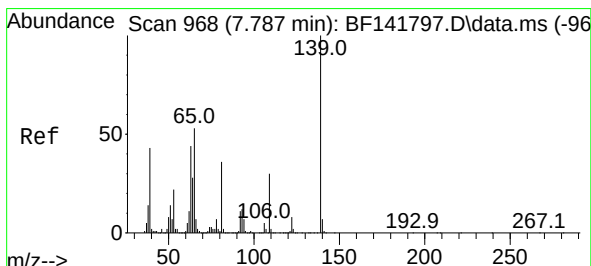
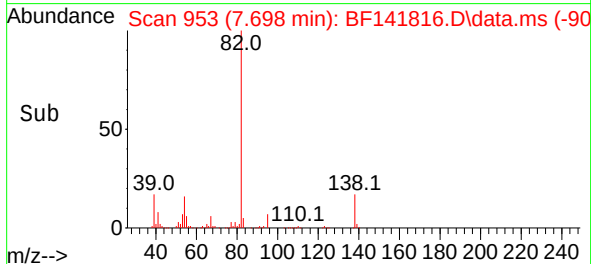
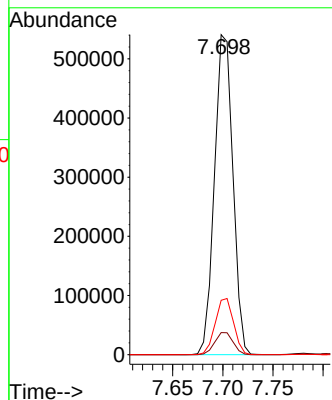
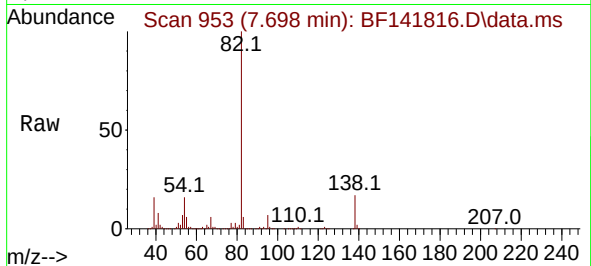




#25
Isophorone
Concen: 45.686 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

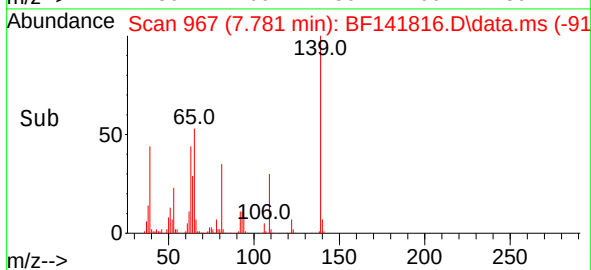
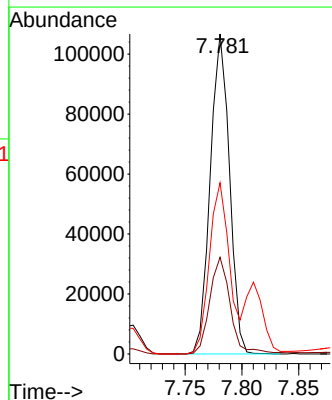
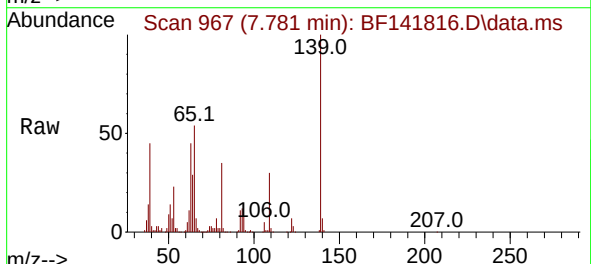
Instrument :
BNA_F
Client Sample Id :
SP-SOILMS

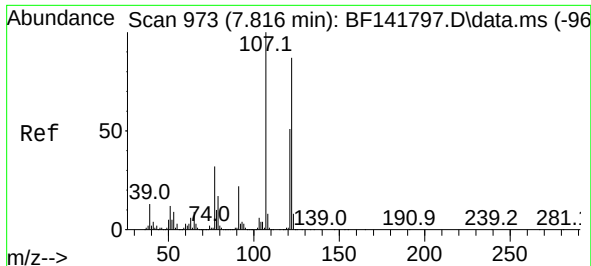
Tgt Ion: 82 Resp: 692623
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.8
138 17.0 14.0 21.0



#26
2-Nitrophenol
Concen: 38.171 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion: 139 Resp: 125383
Ion Ratio Lower Upper
139 100
109 30.2 24.1 36.1
65 53.5 42.3 63.5

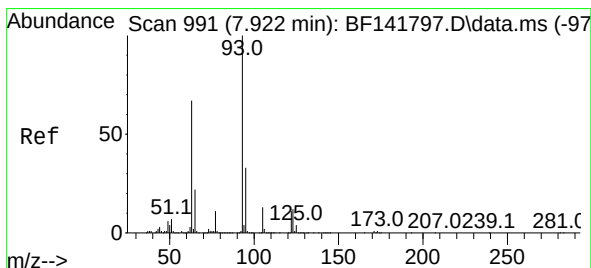
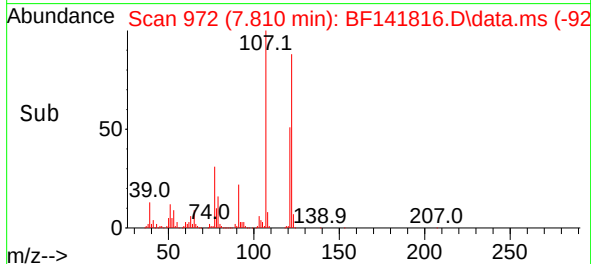
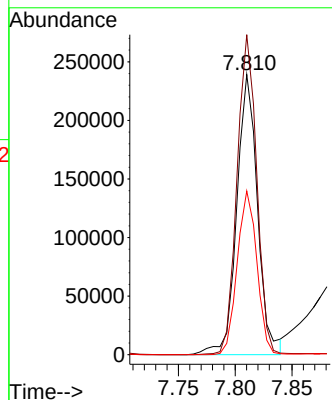
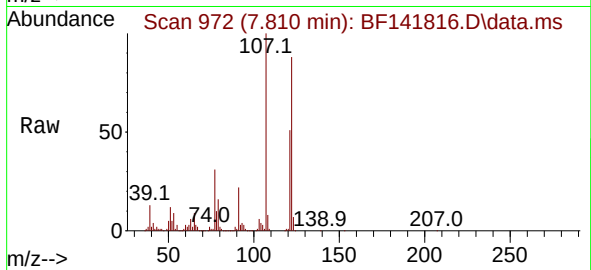




#27
2,4-Dimethylphenol
Concen: 54.539 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

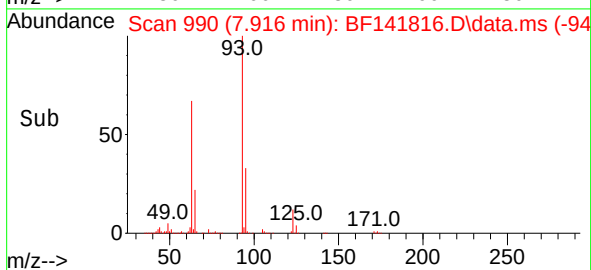
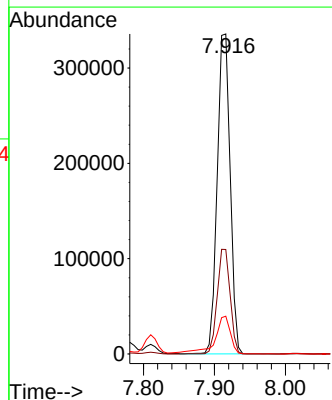
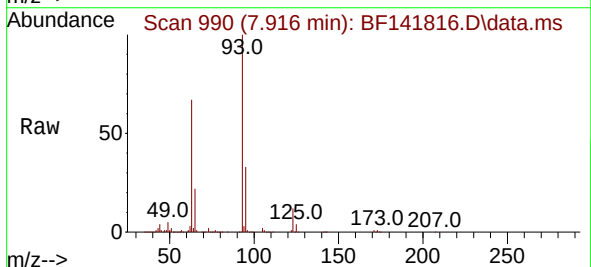
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

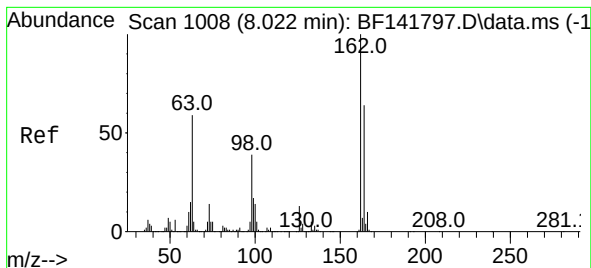
Tgt Ion:122 Resp: 303939
Ion Ratio Lower Upper
122 100
107 114.2 92.5 138.7
121 58.5 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 43.763 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion: 93 Resp: 423230
Ion Ratio Lower Upper
93 100
95 32.6 26.5 39.7
123 11.8 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 44.090 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

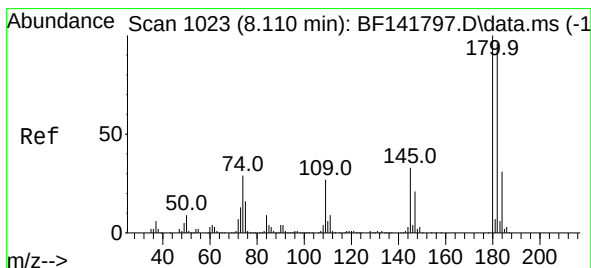
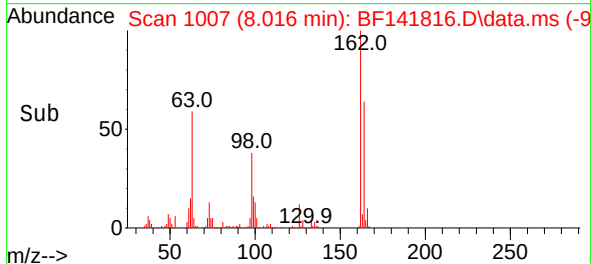
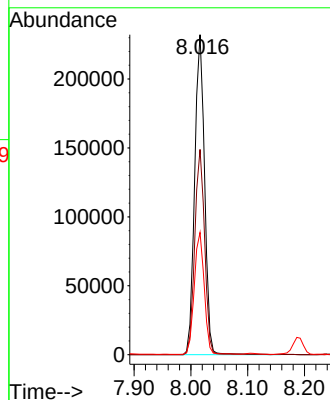
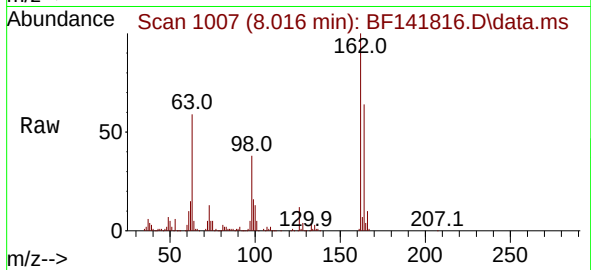
Tgt Ion:162 Resp: 283459

Ion Ratio Lower Upper

162 100

164 64.2 44.3 84.3

98 38.2 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 41.711 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

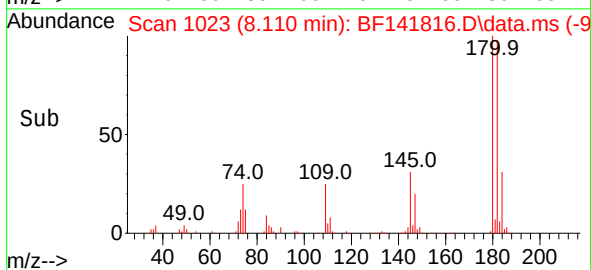
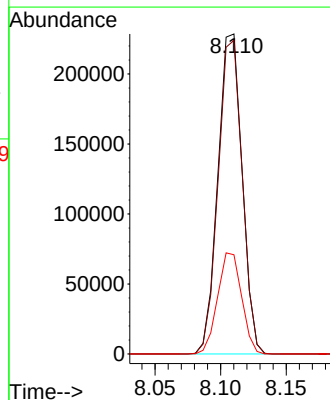
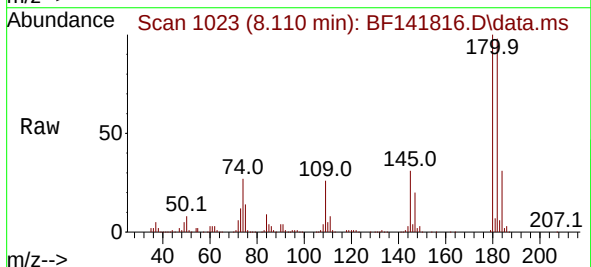
Tgt Ion:180 Resp: 293850

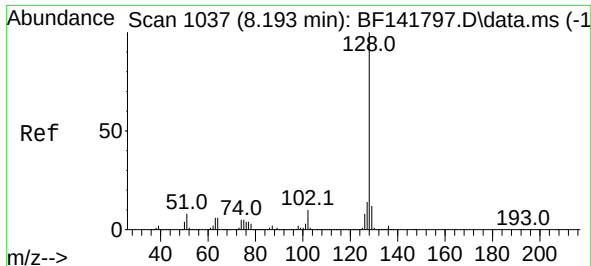
Ion Ratio Lower Upper

180 100

182 98.0 76.8 115.2

145 31.0 26.4 39.6





#31

Naphthalene

Concen: 43.765 ng

RT: 8.187 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

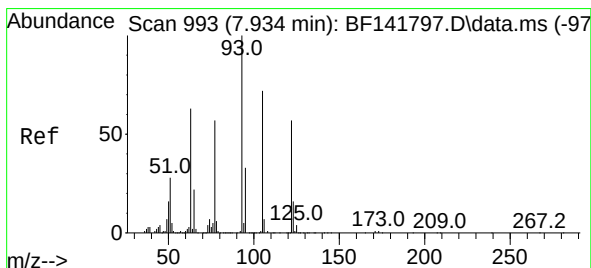
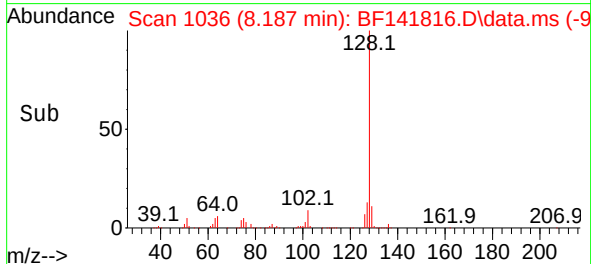
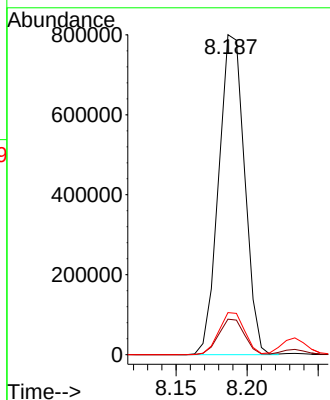
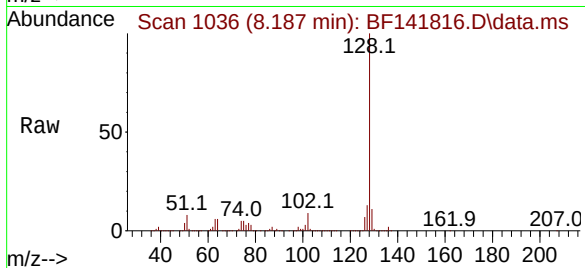
Tgt Ion:128 Resp: 1014615

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 13.1 11.0 16.4



#32

Benzoic acid

Concen: 35.626 ng

RT: 7.887 min Scan# 985

Delta R.T. -0.047 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

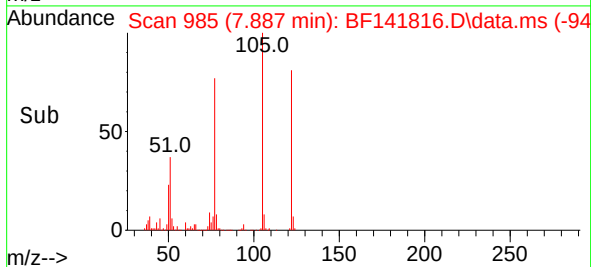
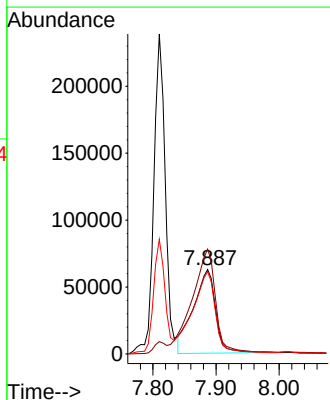
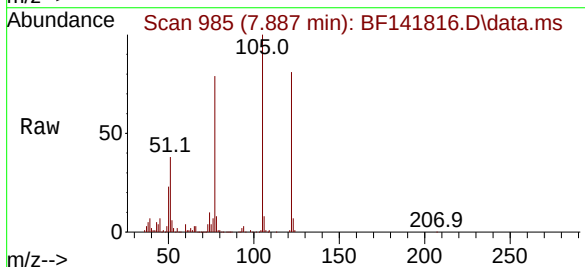
Tgt Ion:122 Resp: 154729

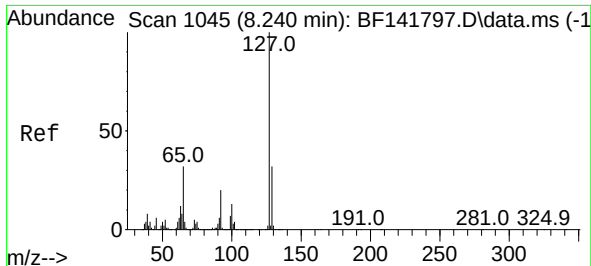
Ion Ratio Lower Upper

122 100

105 124.0 105.8 145.8

77 97.6 79.9 119.9





#33

4-Chloroaniline

Concen: 5.709 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

Tgt Ion:127 Resp: 48528

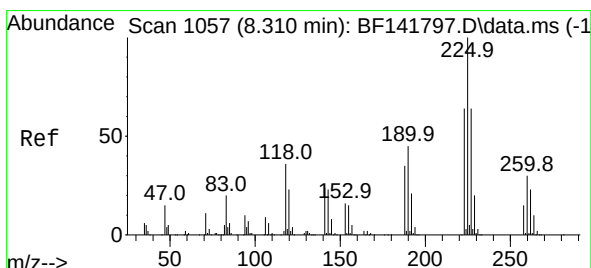
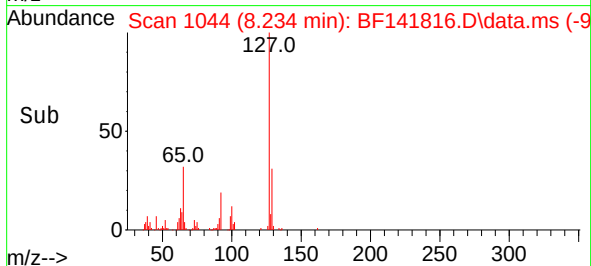
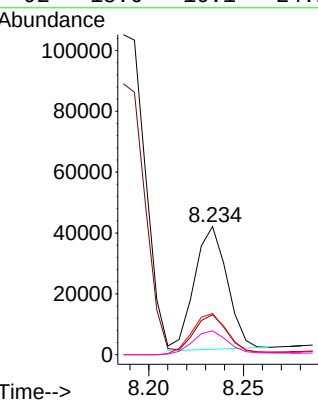
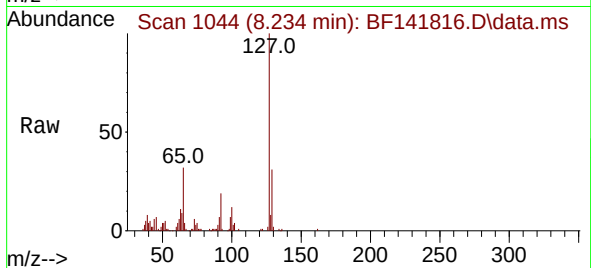
Ion Ratio Lower Upper

127 100

129 31.2 26.1 39.1

65 32.1 25.7 38.5

92 18.6 16.1 24.1



#34

Hexachlorobutadiene

Concen: 40.856 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

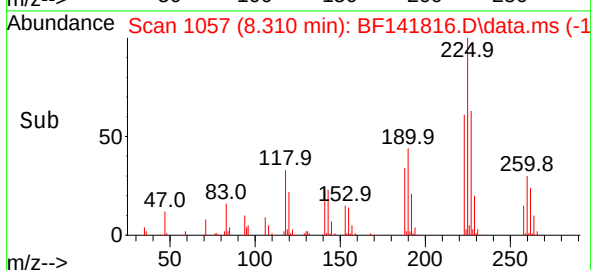
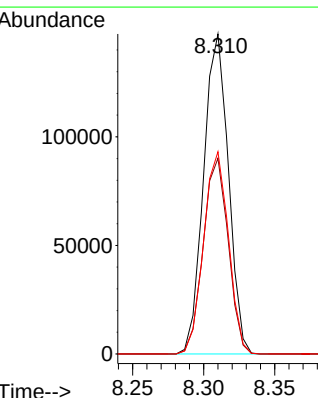
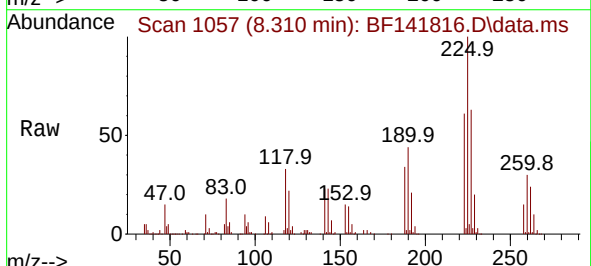
Tgt Ion:225 Resp: 178857

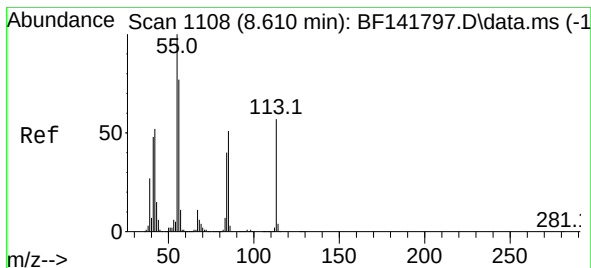
Ion Ratio Lower Upper

225 100

223 61.1 51.4 77.2

227 63.2 51.6 77.4





#35

Caprolactam

Concen: 34.718 ng

RT: 8.575 min Scan# 1108

Delta R.T. -0.035 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

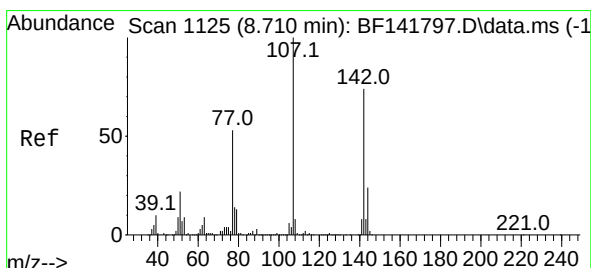
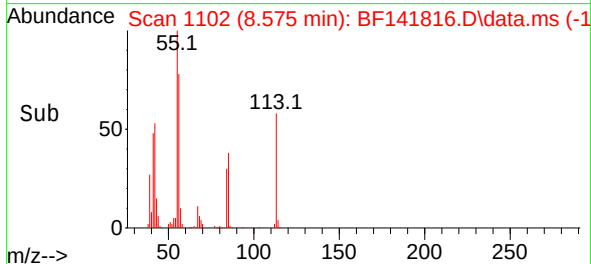
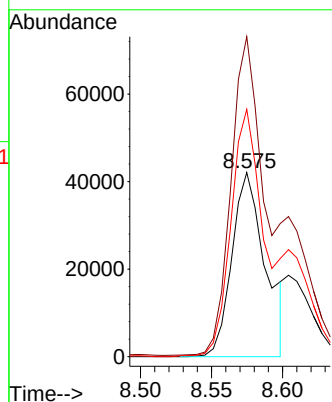
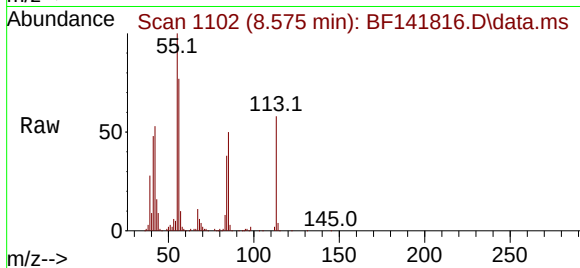
Tgt Ion:113 Resp: 68665

Ion Ratio Lower Upper

113 100

55 173.7 155.6 195.6

56 134.3 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 44.181 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

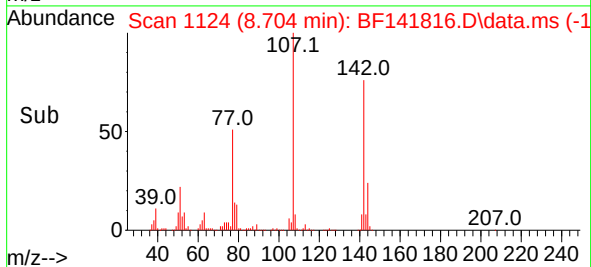
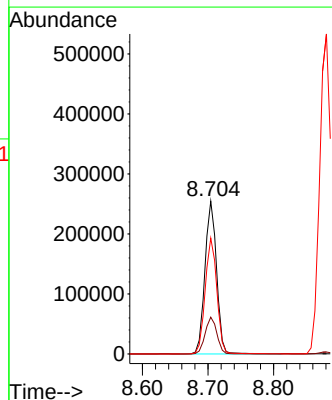
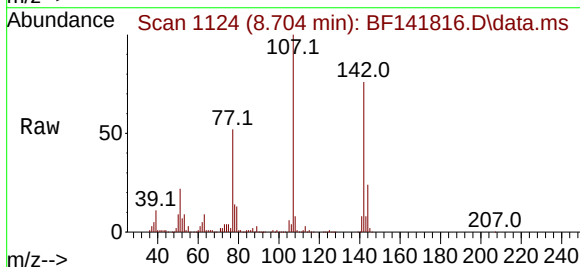
Tgt Ion:107 Resp: 315532

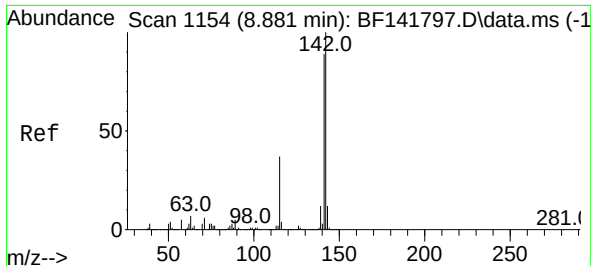
Ion Ratio Lower Upper

107 100

144 24.1 19.4 29.0

142 75.8 59.4 89.0





#37

2-Methylnaphthalene

Concen: 43.002 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

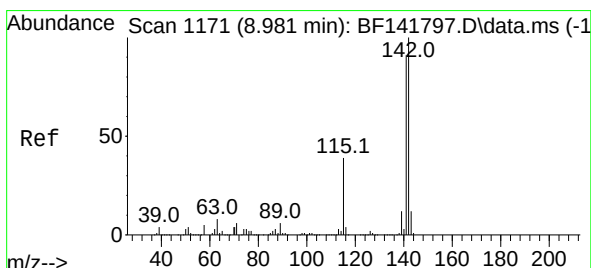
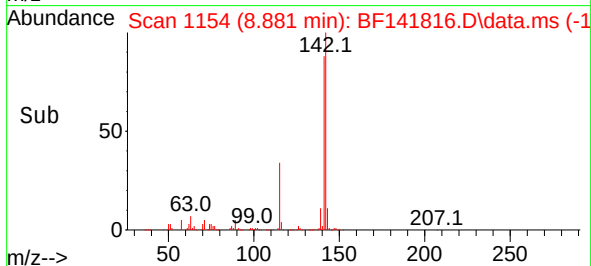
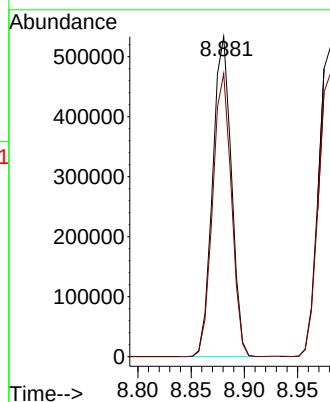
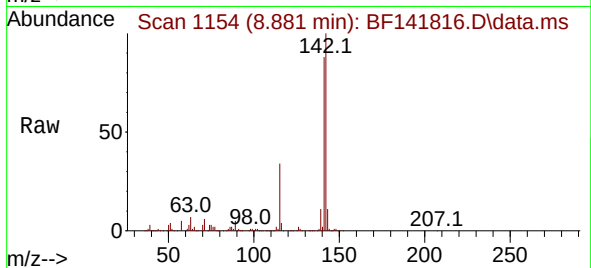
SP-SOILMS

Tgt Ion:142 Resp: 653892

Ion Ratio Lower Upper

142 100

141 88.4 71.1 106.7



#38

1-Methylnaphthalene

Concen: 43.885 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141816.D

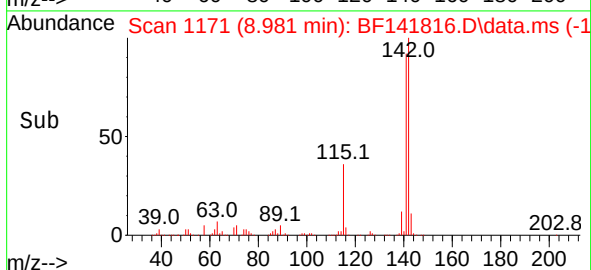
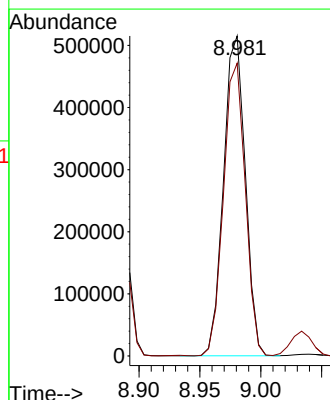
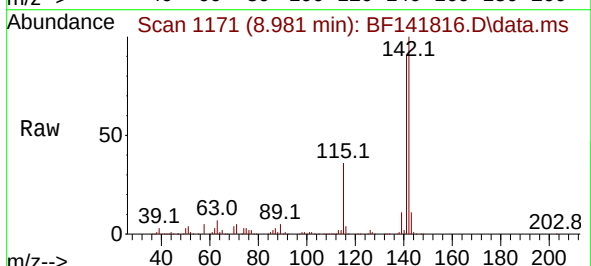
Acq: 03 Mar 2025 16:48

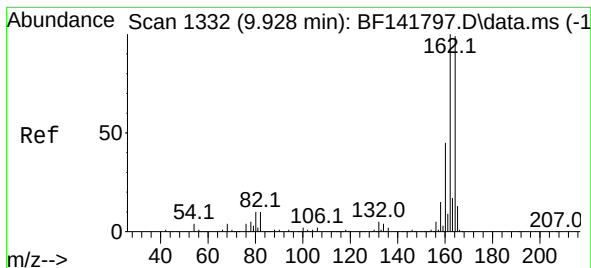
Tgt Ion:142 Resp: 640317

Ion Ratio Lower Upper

142 100

141 91.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

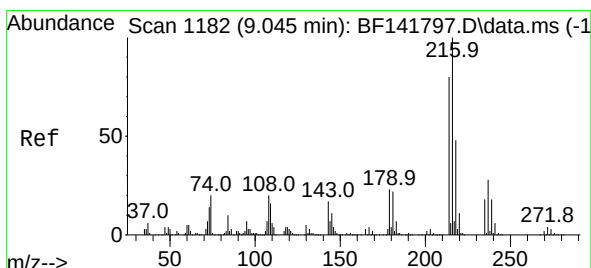
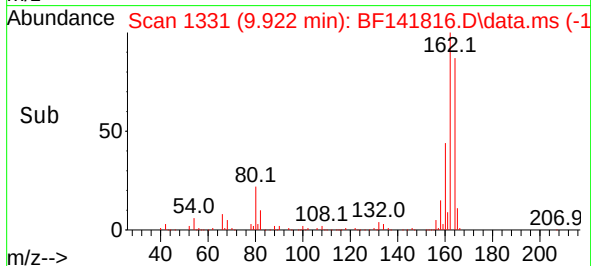
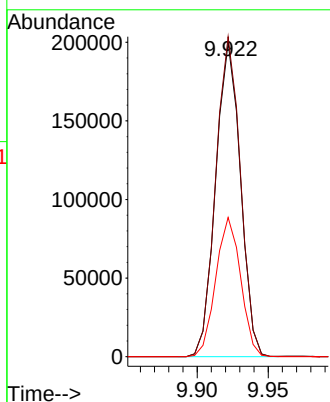
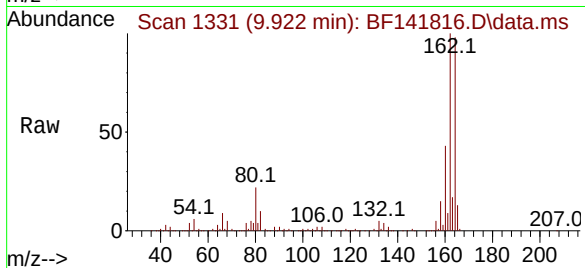
Tgt Ion:164 Resp: 242052

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

160 44.3 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.428 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Tgt Ion:216 Resp: 338549

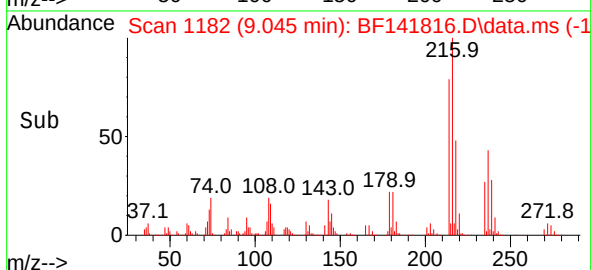
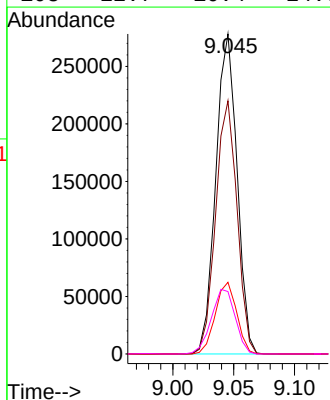
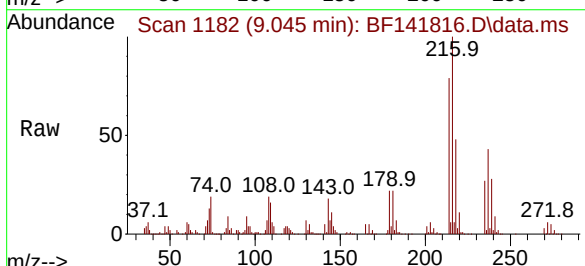
Ion Ratio Lower Upper

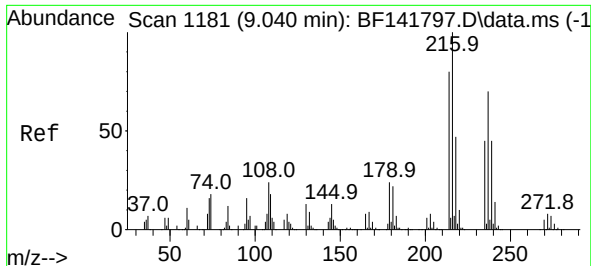
216 100

214 79.3 63.5 95.3

179 22.6 18.1 27.1

108 22.7 16.4 24.6

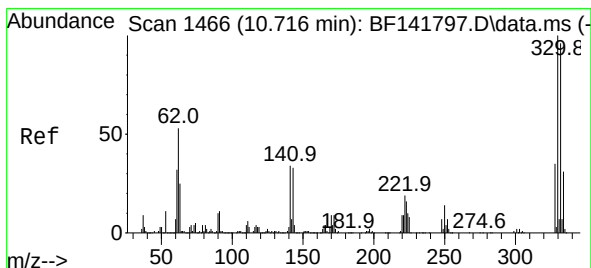
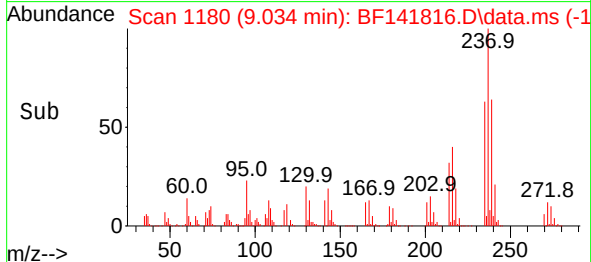
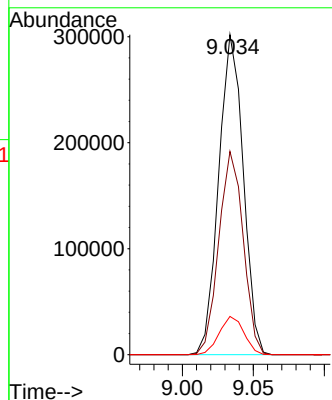
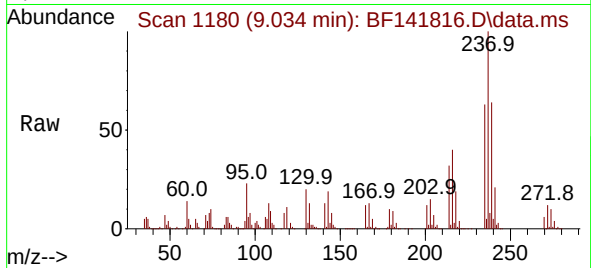




#41
Hexachlorocyclopentadiene
Concen: 124.247 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

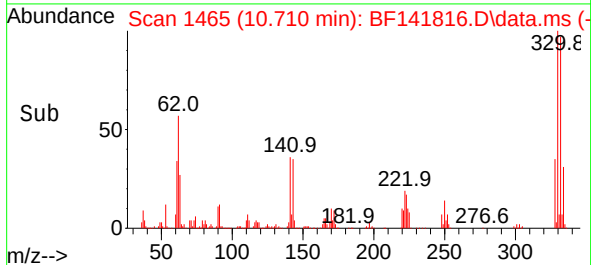
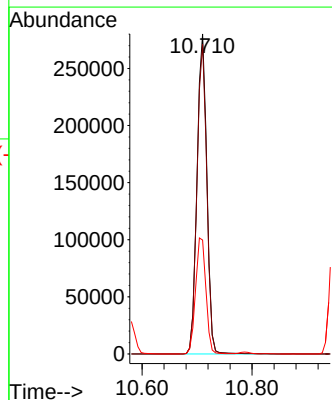
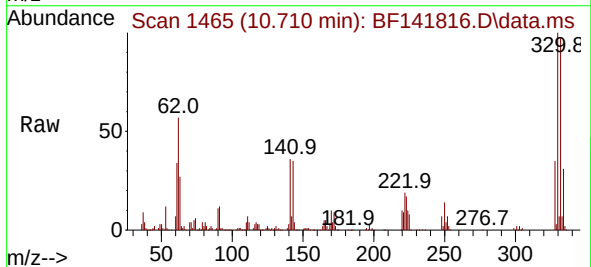
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

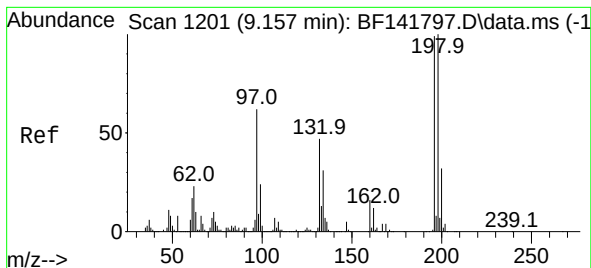
Tgt Ion:237 Resp: 362480
Ion Ratio Lower Upper
237 100
235 63.5 43.3 83.3
272 11.9 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 152.833 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:330 Resp: 347303
Ion Ratio Lower Upper
330 100
332 96.9 76.6 115.0
141 38.2 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 44.550 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

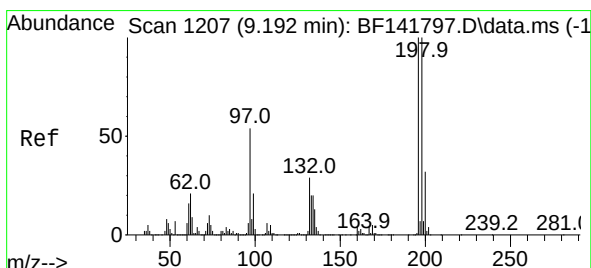
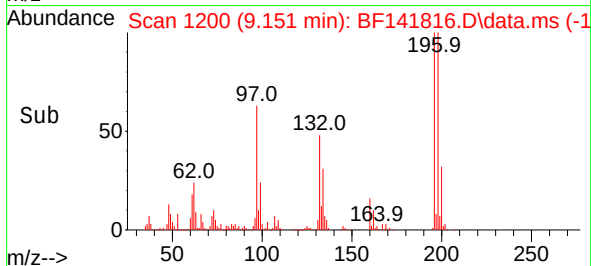
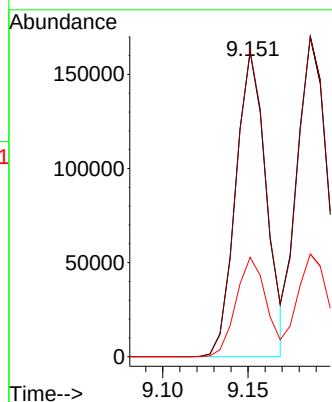
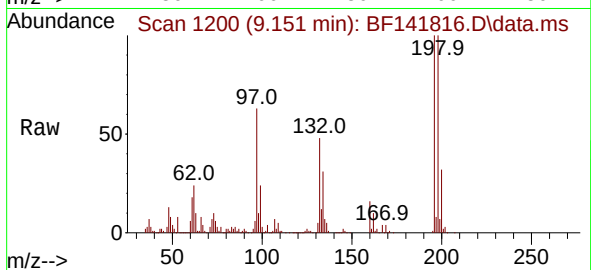
Tgt Ion:196 Resp: 201174

Ion Ratio Lower Upper

196 100

198 100.5 80.4 120.6

200 32.6 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 47.709 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Tgt Ion:196 Resp: 213337

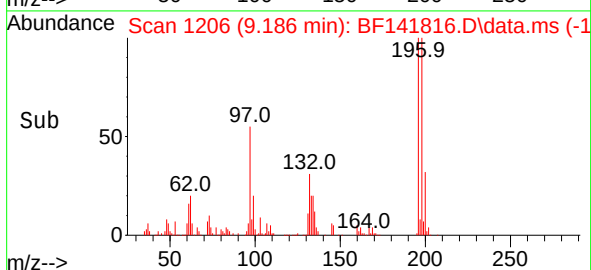
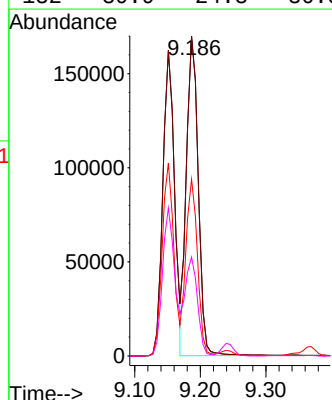
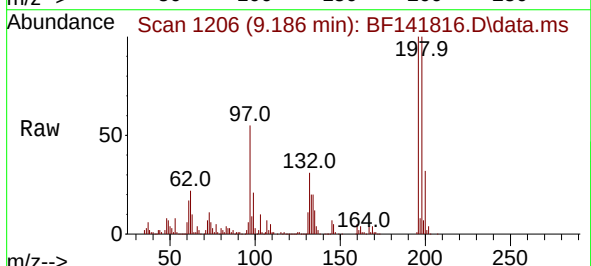
Ion Ratio Lower Upper

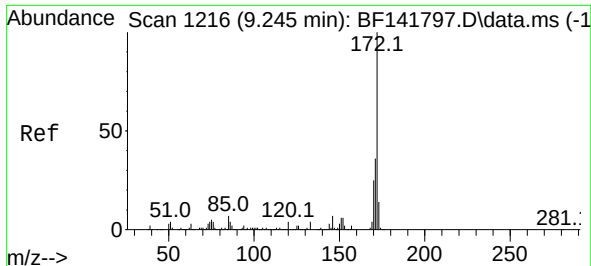
196 100

198 100.0 79.7 119.5

97 55.3 44.2 66.2

132 30.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 101.827 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

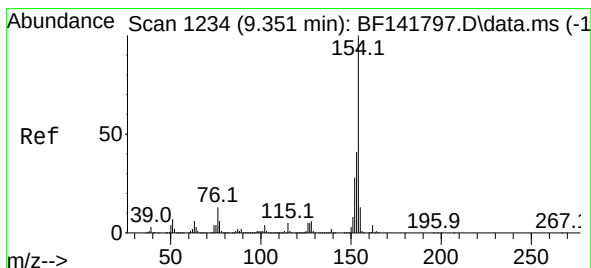
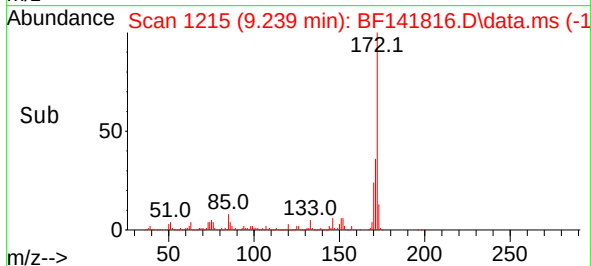
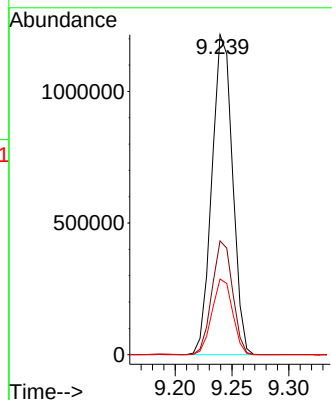
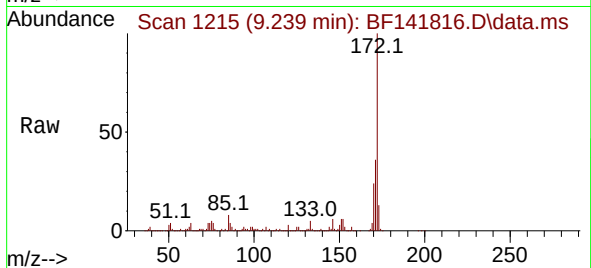
Tgt Ion:172 Resp: 1537149

Ion Ratio Lower Upper

172 100

171 35.5 29.2 43.8

170 23.7 19.7 29.5



#46

1,1'-Biphenyl

Concen: 51.525 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

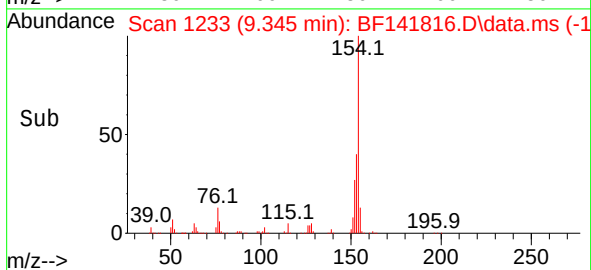
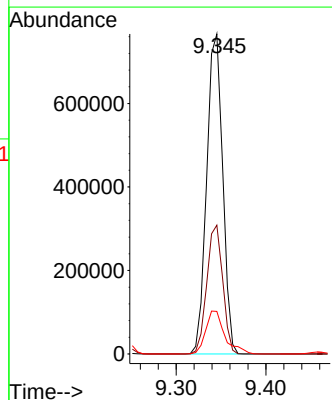
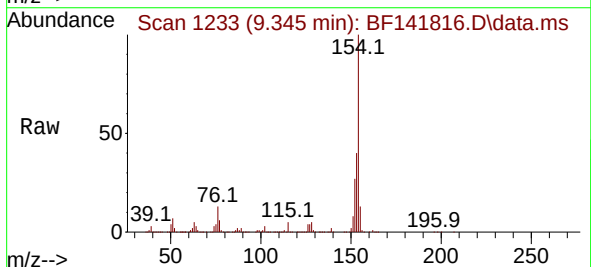
Tgt Ion:154 Resp: 949304

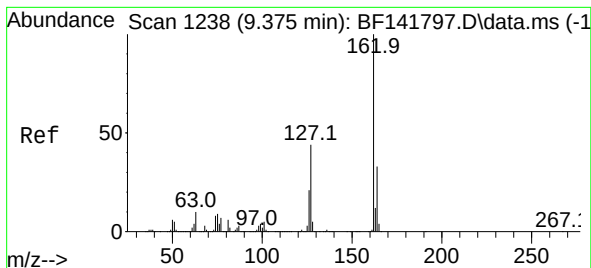
Ion Ratio Lower Upper

154 100

153 40.2 21.4 61.4

76 13.3 0.0 33.4





#47

2-Chloronaphthalene

Concen: 46.539 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

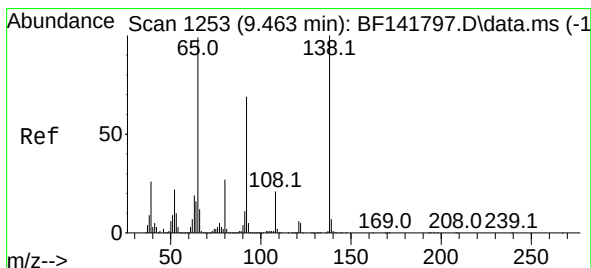
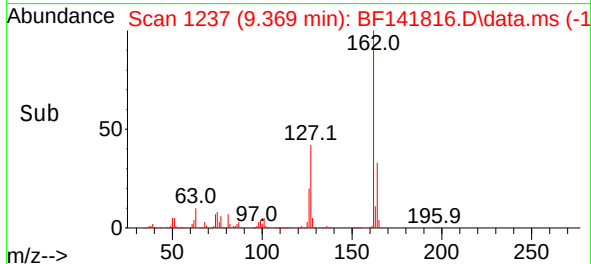
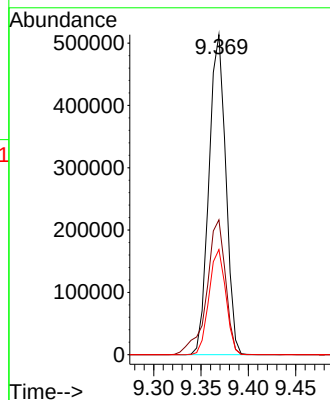
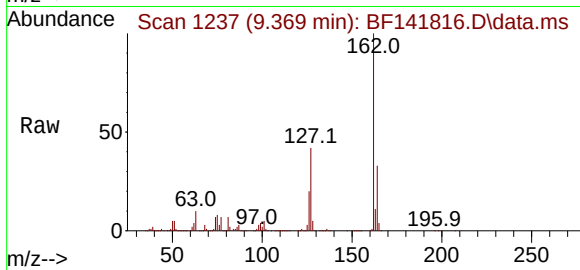
Tgt Ion:162 Resp: 632850

Ion Ratio Lower Upper

162 100

127 42.2 35.0 52.6

164 32.9 26.6 40.0



#48

2-Nitroaniline

Concen: 49.366 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

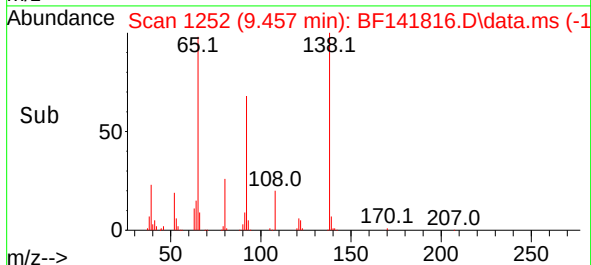
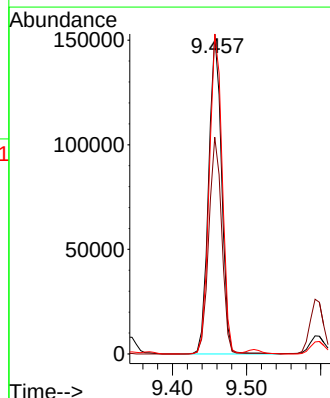
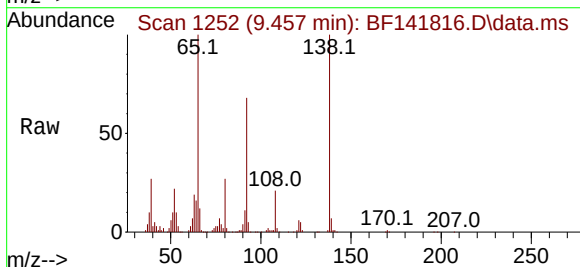
Tgt Ion: 65 Resp: 184256

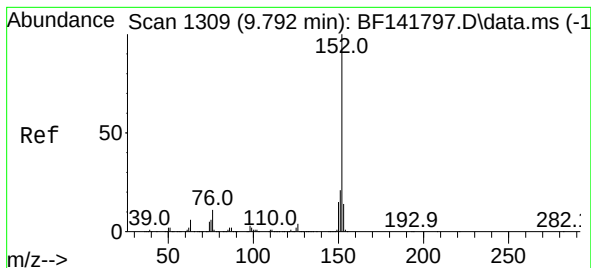
Ion Ratio Lower Upper

65 100

92 67.8 55.7 83.5

138 100.0 80.6 121.0





#49

Acenaphthylene

Concen: 50.250 ng

RT: 9.781 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

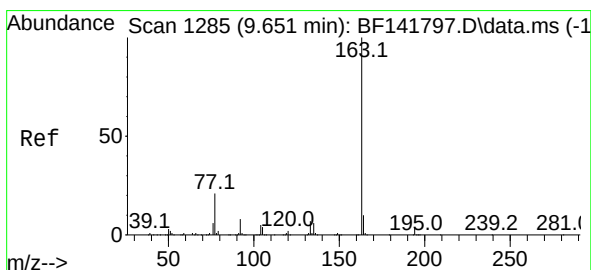
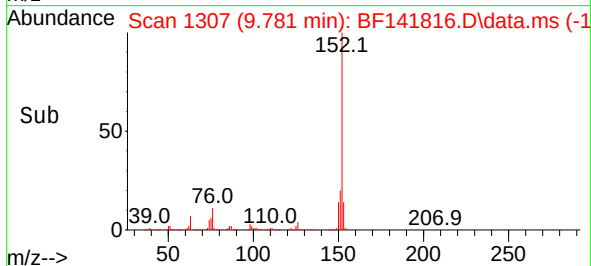
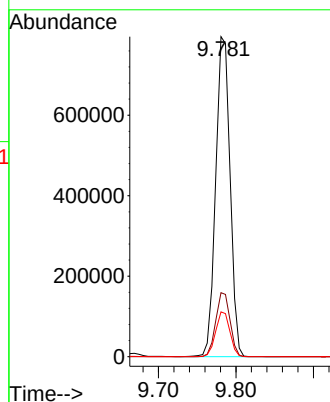
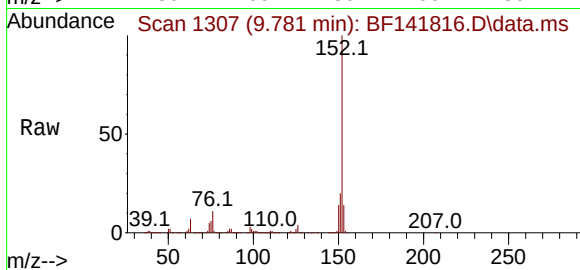
Tgt Ion:152 Resp: 1024510

Ion Ratio Lower Upper

152 100

151 20.0 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 47.111 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

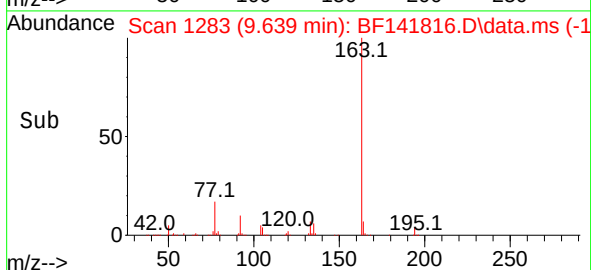
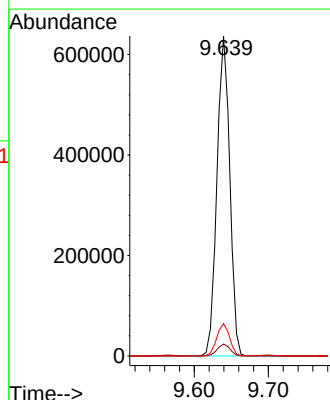
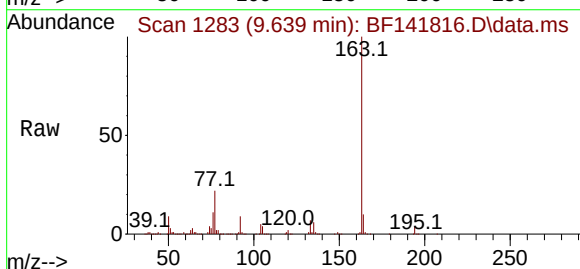
Tgt Ion:163 Resp: 763651

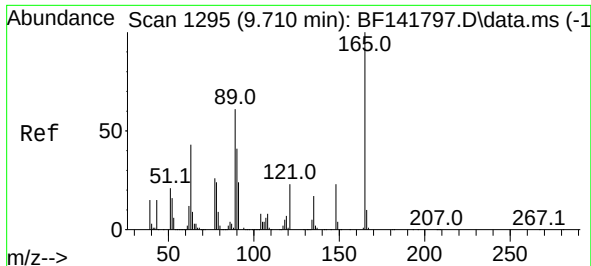
Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

164 10.1 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 48.723 ng

RT: 9.698 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

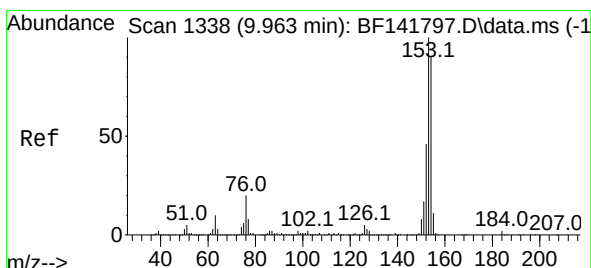
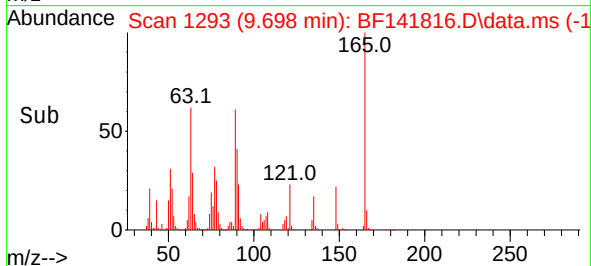
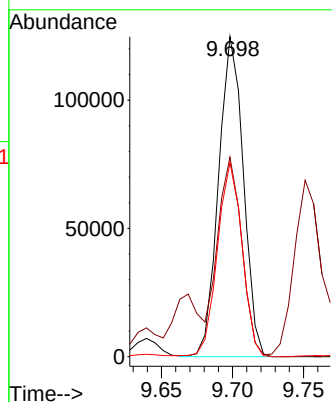
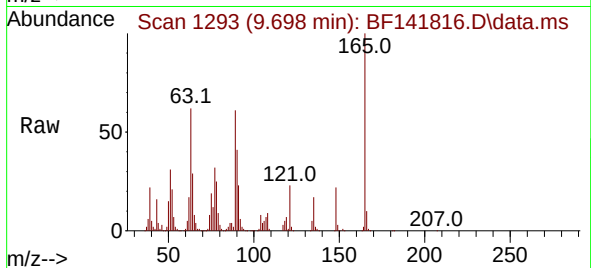
Tgt Ion:165 Resp: 151227

Ion Ratio Lower Upper

165 100

63 62.3 49.5 74.3

89 60.6 49.0 73.4



#52

Acenaphthene

Concen: 50.665 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

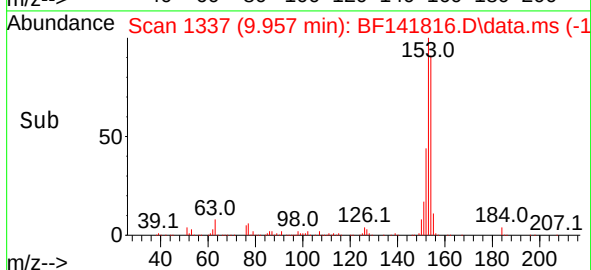
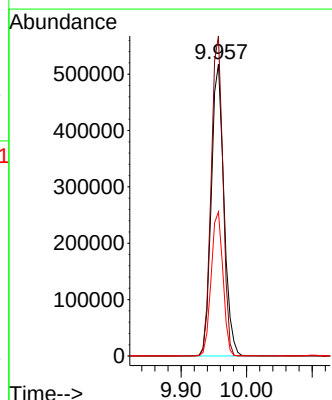
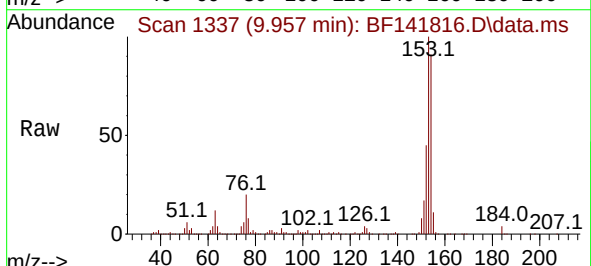
Tgt Ion:154 Resp: 696992

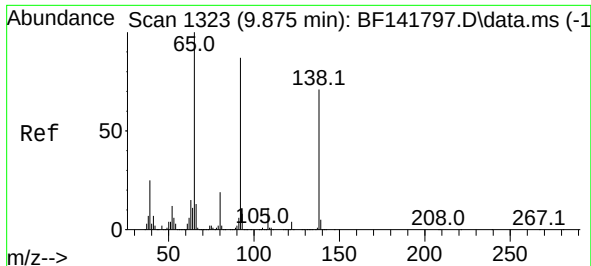
Ion Ratio Lower Upper

154 100

153 109.6 88.7 133.1

152 49.4 40.9 61.3





#53

3-Nitroaniline

Concen: 23.876 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

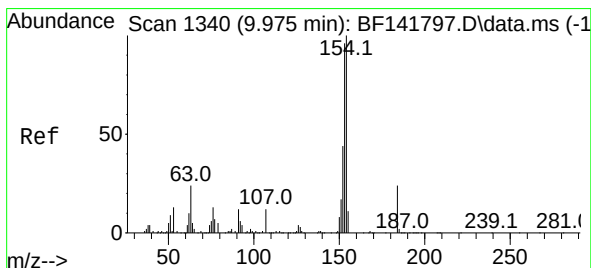
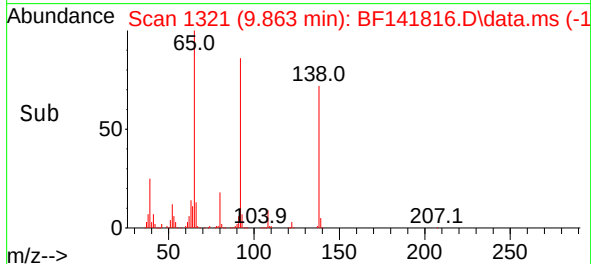
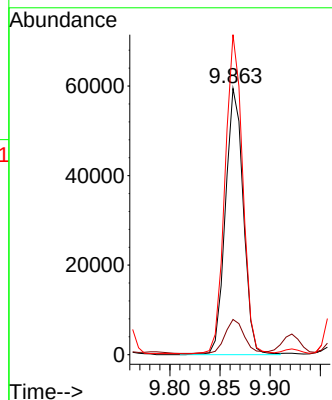
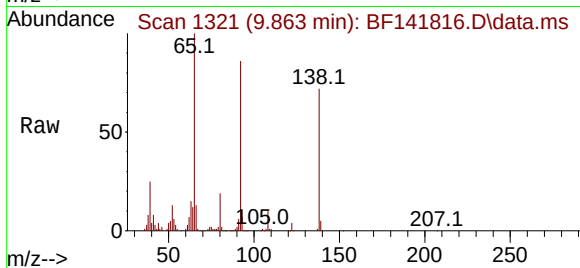
Tgt Ion:138 Resp: 73613

Ion Ratio Lower Upper

138 100

108 13.2 12.7 19.1

92 120.2 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 78.520 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

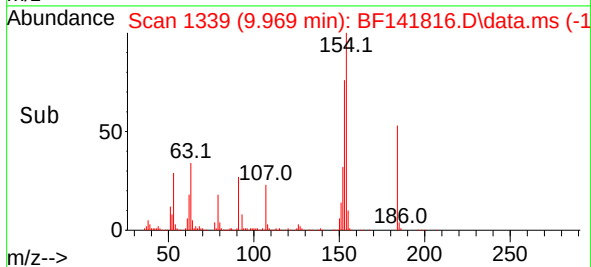
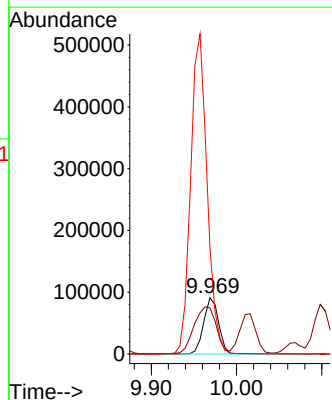
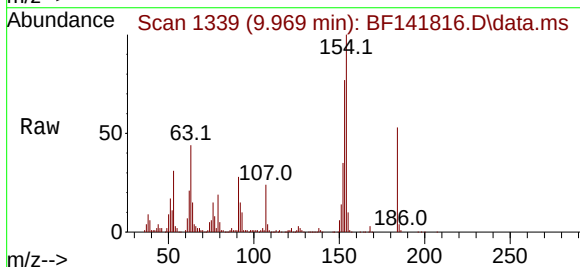
Tgt Ion:184 Resp: 111039

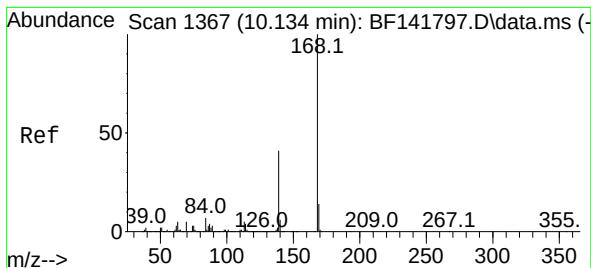
Ion Ratio Lower Upper

184 100

63 82.1 79.0 118.6

154 187.7 335.8 503.8#





#55

Dibenzenofuran

Concen: 46.827 ng

RT: 10.128 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

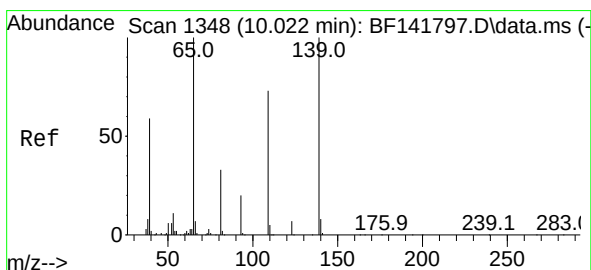
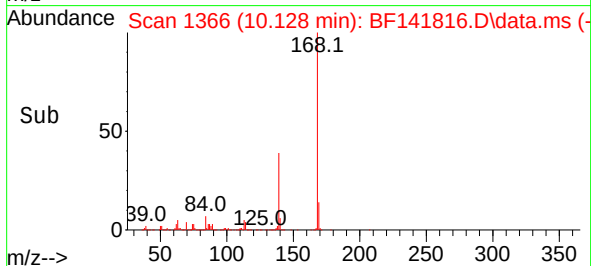
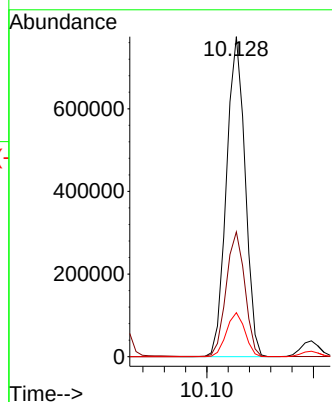
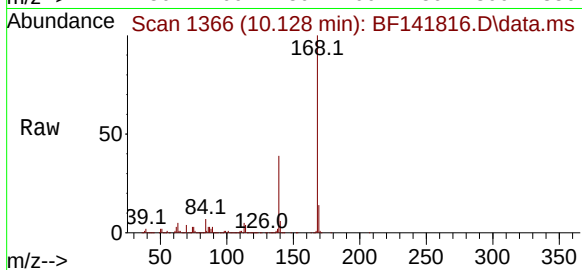
Tgt Ion:168 Resp: 937631

Ion Ratio Lower Upper

168 100

139 39.0 32.9 49.3

169 13.8 11.1 16.7



#56

4-Nitrophenol

Concen: 118.214 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

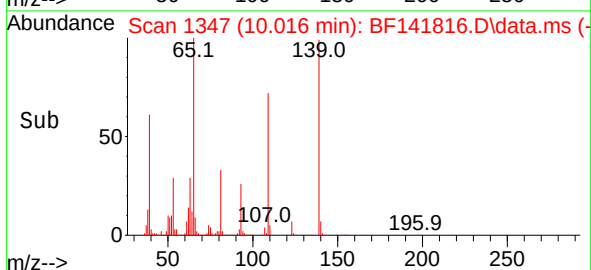
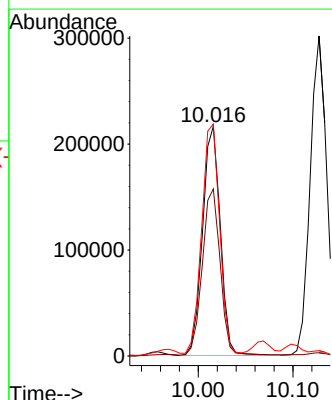
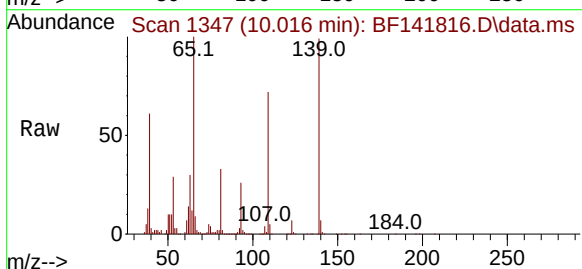
Tgt Ion:139 Resp: 283016

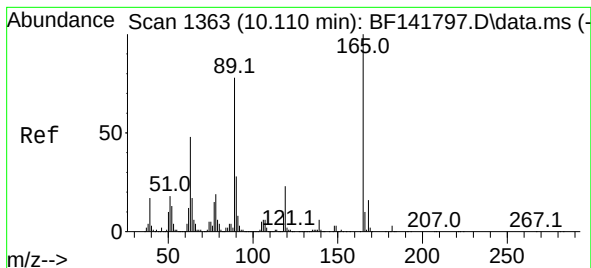
Ion Ratio Lower Upper

139 100

109 72.8 53.4 93.4

65 101.1 82.1 122.1

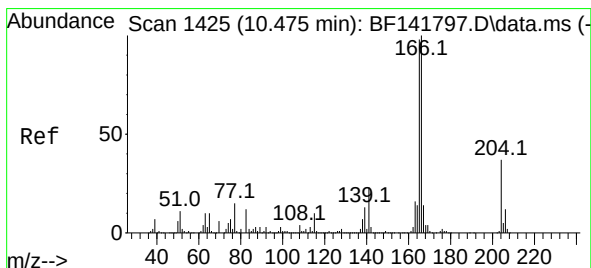
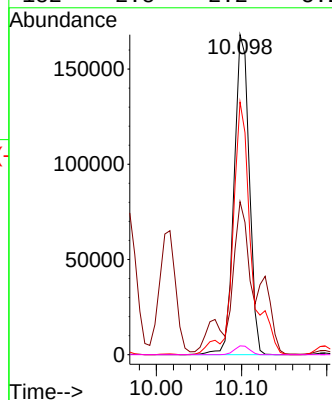
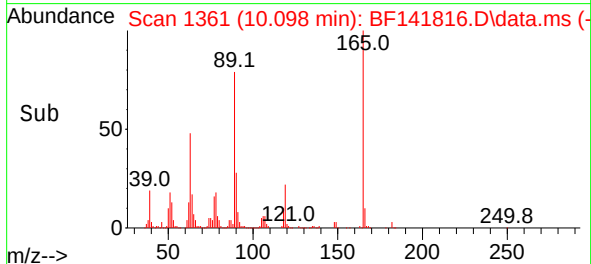
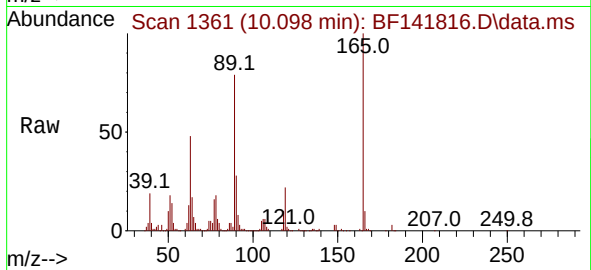




#57
2,4-Dinitrotoluene
Concen: 54.569 ng
RT: 10.098 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

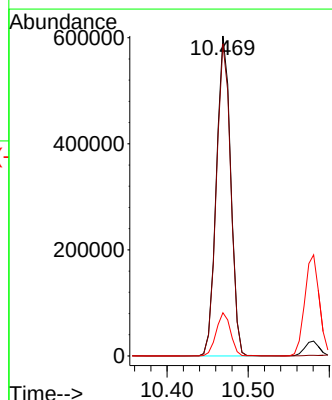
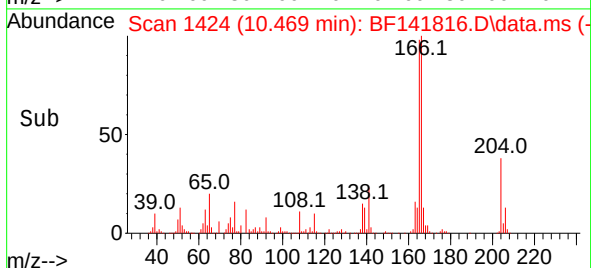
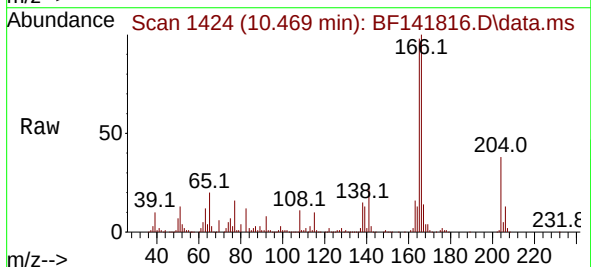
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

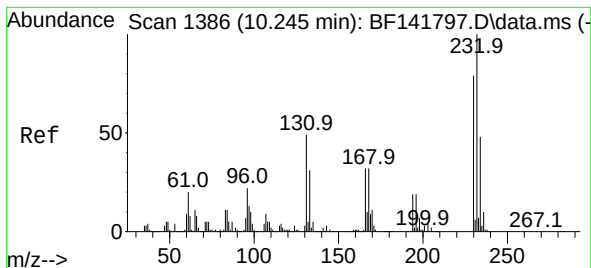
Tgt Ion:165 Resp: 208658
Ion Ratio Lower Upper
165 100
63 47.8 38.8 58.2
89 78.9 62.6 94.0
182 2.8 2.2 3.2



#58
Fluorene
Concen: 49.351 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:166 Resp: 740188
Ion Ratio Lower Upper
166 100
165 97.5 78.6 117.8
167 13.5 11.0 16.4

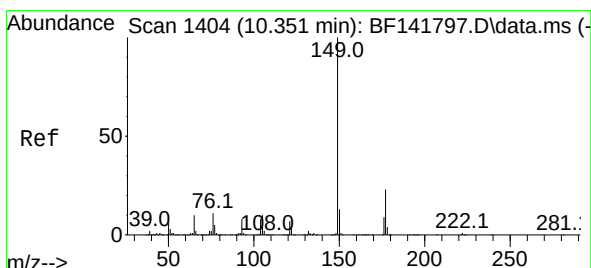
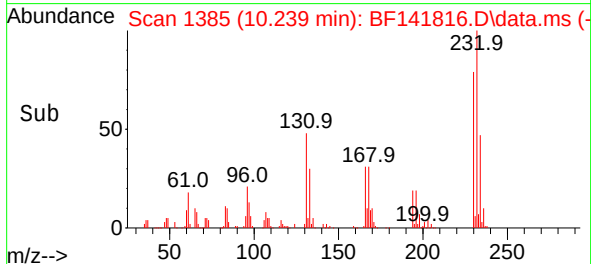
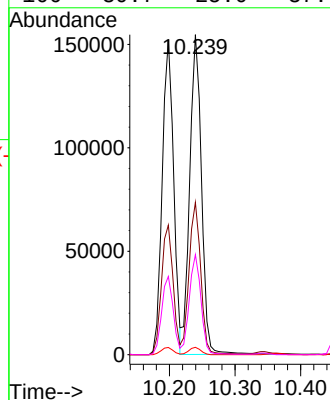
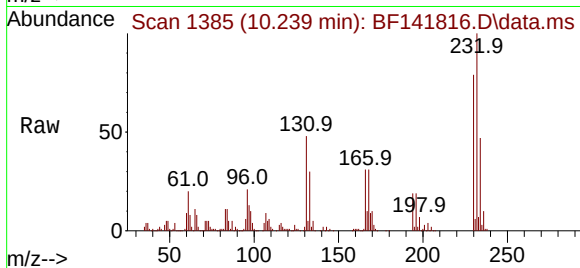




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.500 ng
RT: 10.239 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

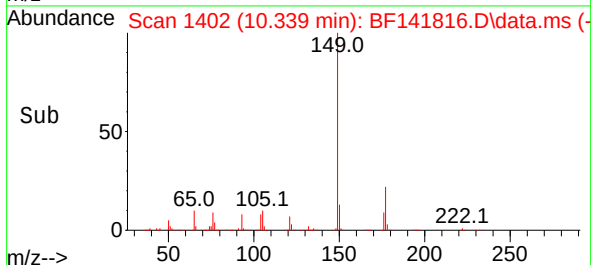
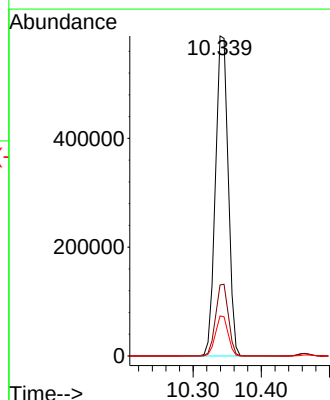
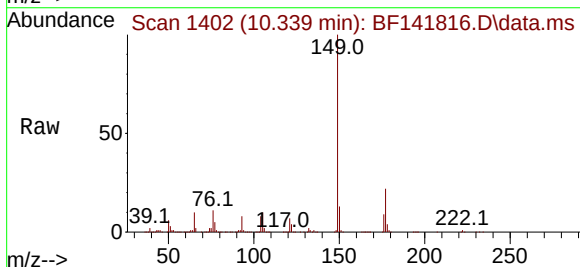
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

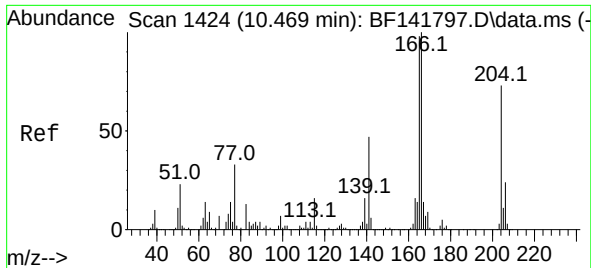
Tgt Ion:232 Resp: 192506
Ion Ratio Lower Upper
232 100
131 47.6 37.8 56.8
130 2.3 2.0 3.0
166 30.7 25.0 37.4



#60
Diethylphthalate
Concen: 47.142 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:149 Resp: 766065
Ion Ratio Lower Upper
149 100
177 22.2 18.3 27.5
150 12.5 10.3 15.5

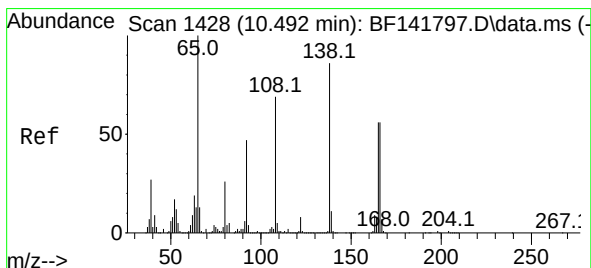
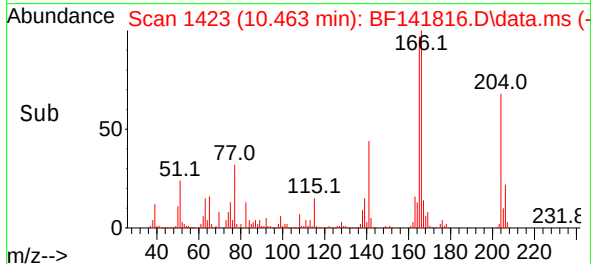
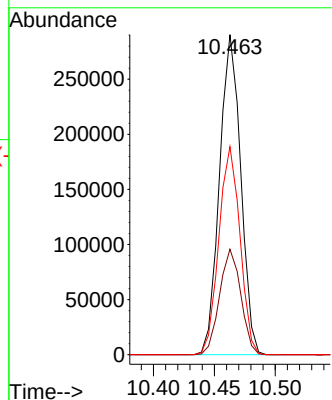
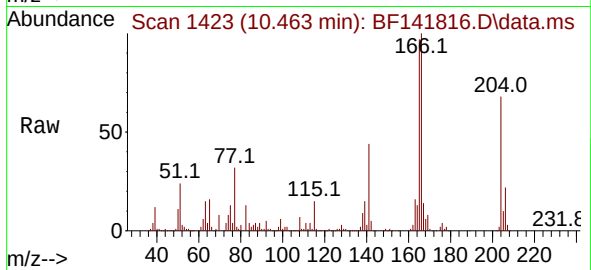




#61
4-Chlorophenyl-phenylether
Concen: 46.881 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

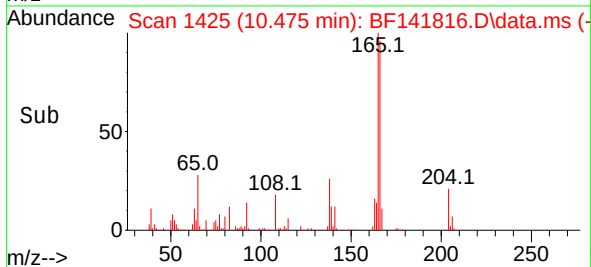
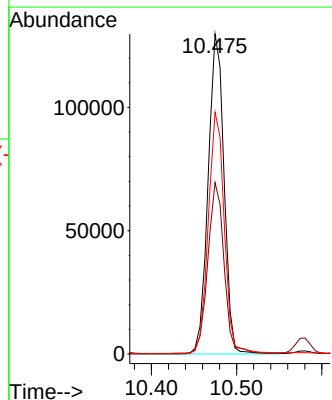
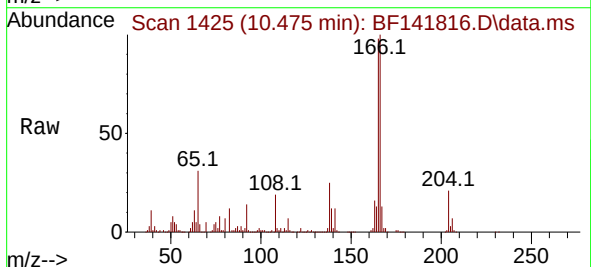
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

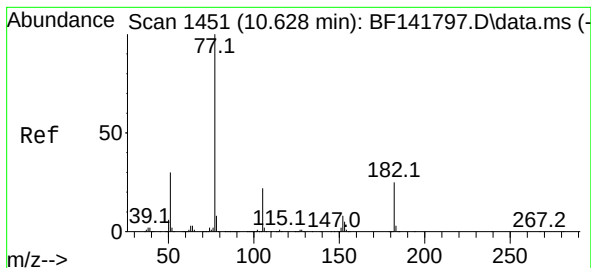
Tgt Ion:204 Resp: 352302
Ion Ratio Lower Upper
204 100
206 33.0 26.2 39.4
141 65.0 51.7 77.5



#62
4-Nitroaniline
Concen: 60.601 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:138 Resp: 167757
Ion Ratio Lower Upper
138 100
92 53.5 34.9 74.9
108 75.6 59.6 99.6





#63

Azobenzene

Concen: 46.400 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

Tgt Ion: 77 Resp: 793899

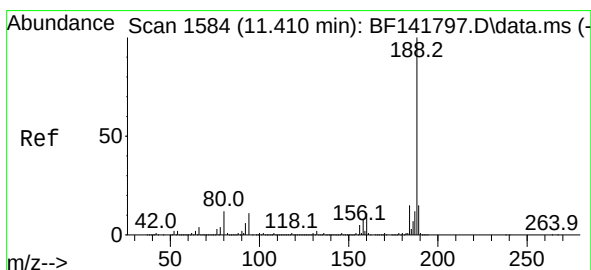
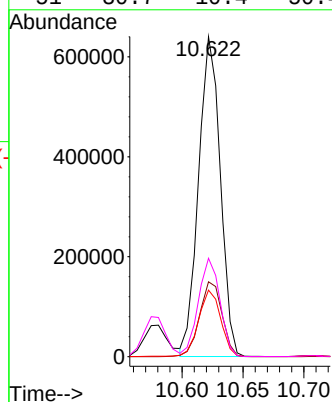
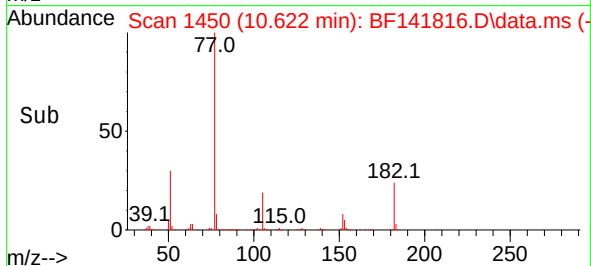
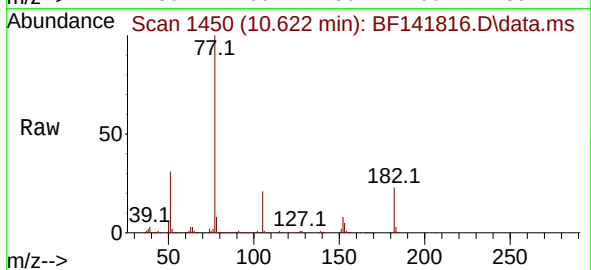
Ion Ratio Lower Upper

77 100

182 23.4 4.2 44.2

105 20.8 1.5 41.5

51 30.7 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

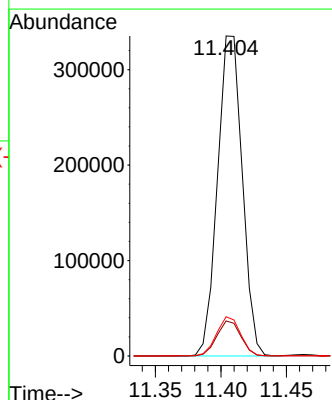
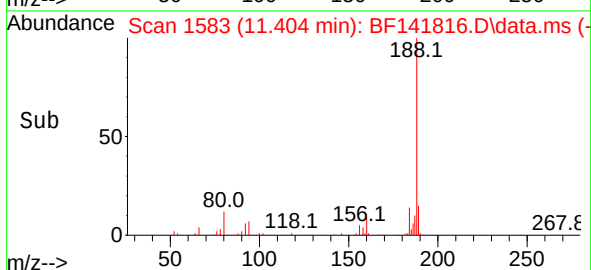
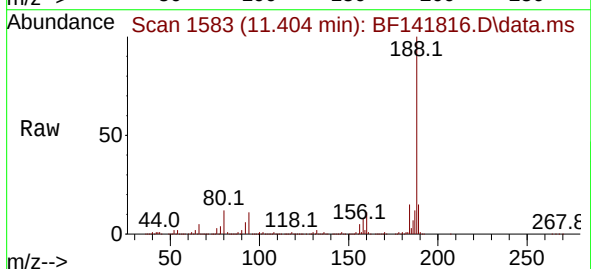
Tgt Ion: 188 Resp: 440656

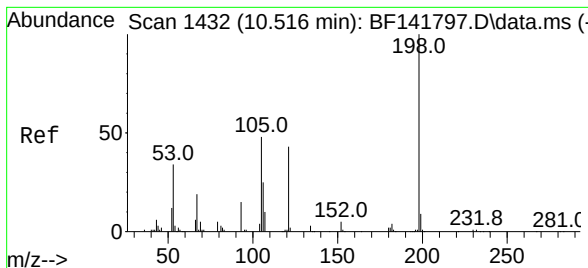
Ion Ratio Lower Upper

188 100

94 11.0 8.9 13.3

80 12.3 9.7 14.5

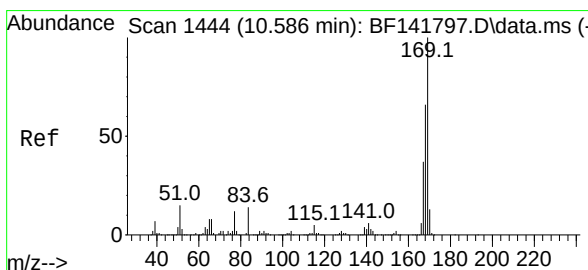
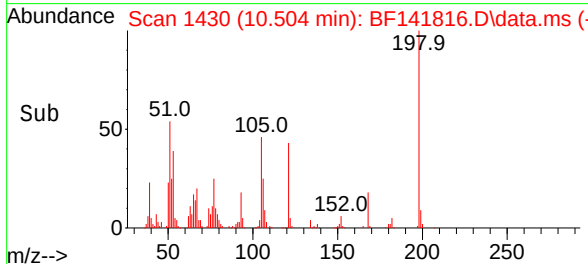
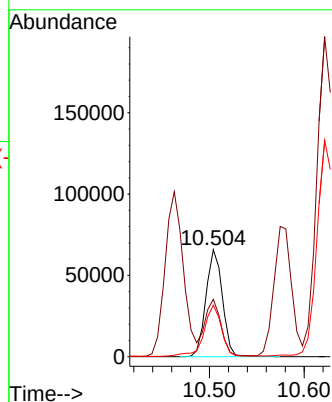
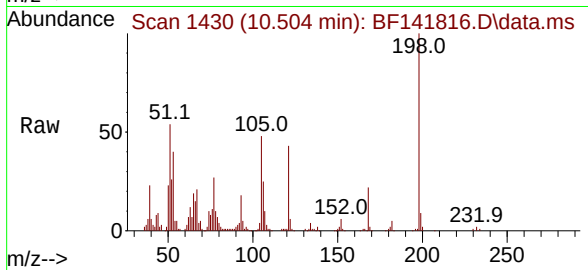




#65
4,6-Dinitro-2-methylphenol
Concen: 39.778 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

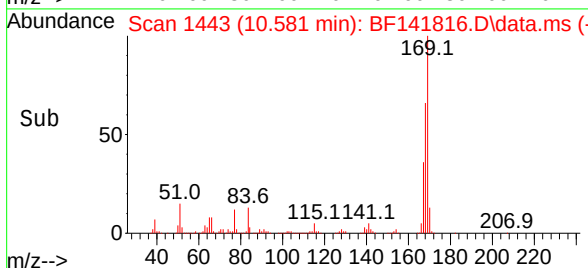
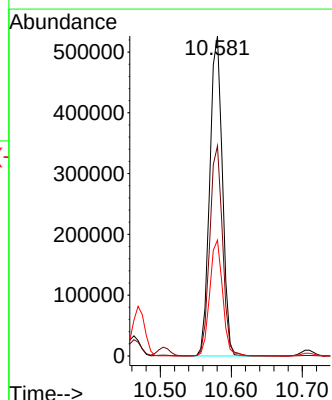
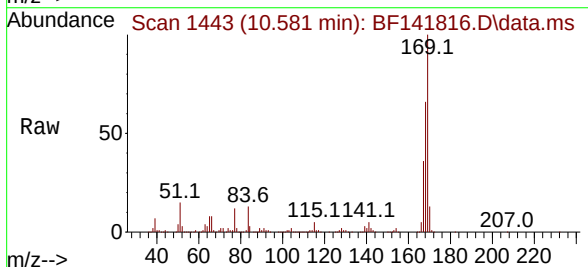
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

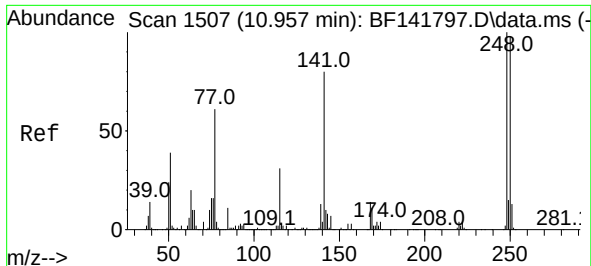
Tgt Ion:198 Resp: 79064
Ion Ratio Lower Upper
198 100
51 53.6 32.1 72.1
105 48.1 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 45.103 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:169 Resp: 652619
Ion Ratio Lower Upper
169 100
168 65.7 53.0 79.6
167 36.2 29.3 43.9

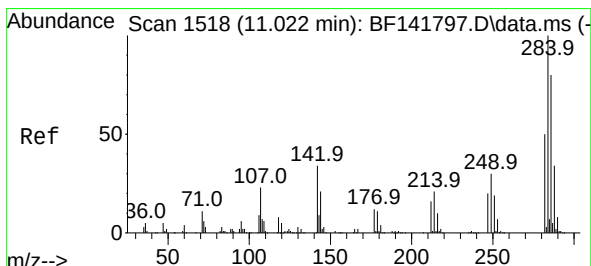
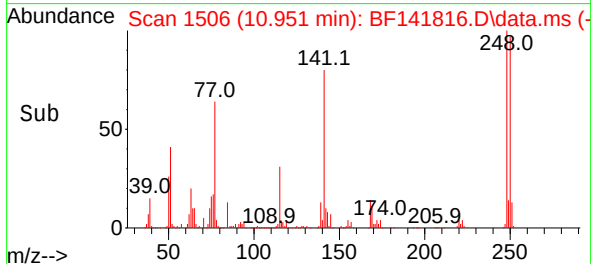
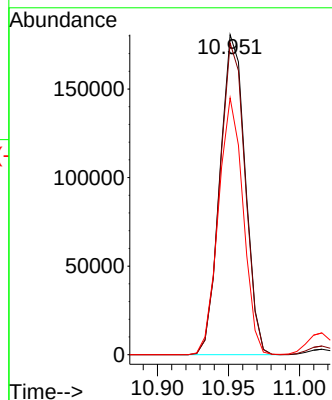
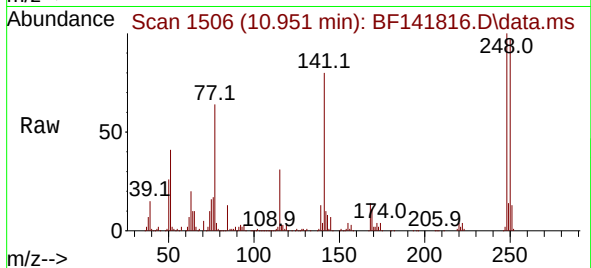




#67
4-Bromophenyl-phenylether
Concen: 43.424 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

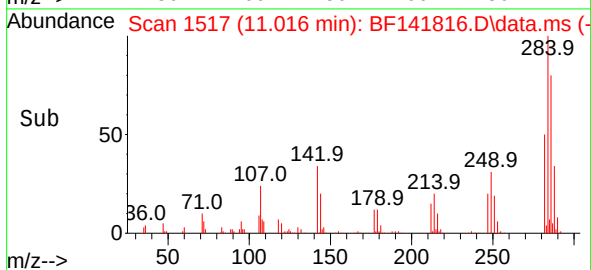
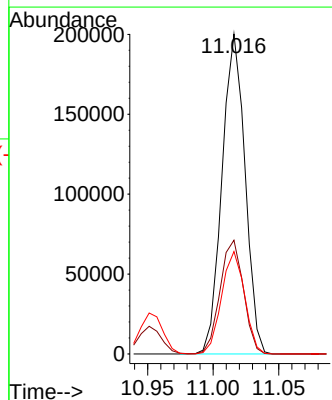
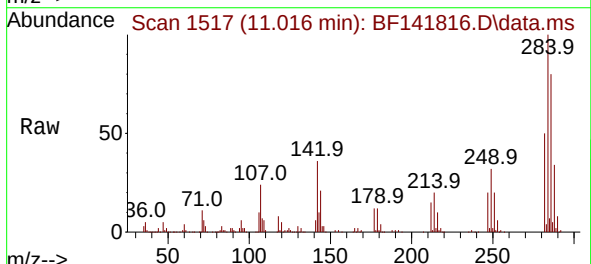
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

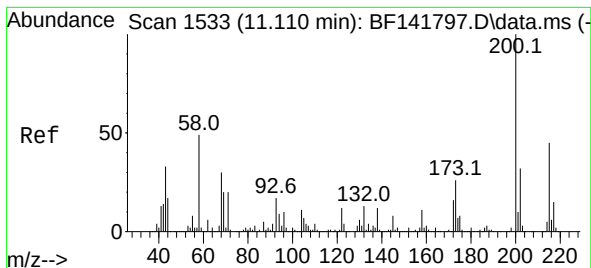
Tgt Ion:248 Resp: 223507
Ion Ratio Lower Upper
248 100
250 97.4 78.1 117.1
141 80.2 64.3 96.5



#68
Hexachlorobenzene
Concen: 44.904 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:284 Resp: 244057
Ion Ratio Lower Upper
284 100
142 35.6 28.2 42.2
249 32.0 25.5 38.3





#69

Atrazine

Concen: 65.228 ng

RT: 11.104 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

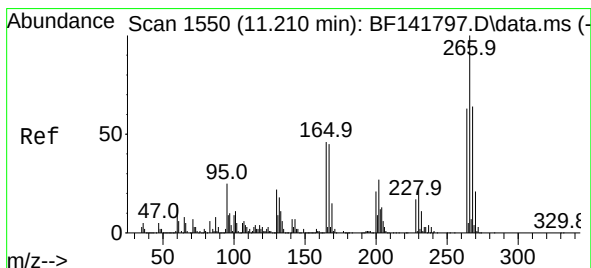
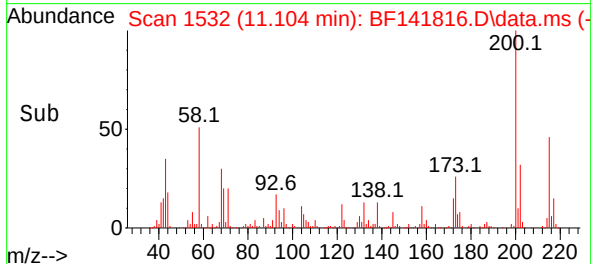
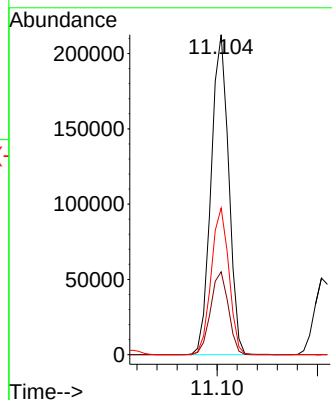
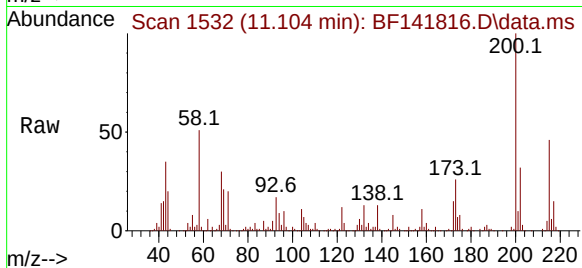
Tgt Ion:200 Resp: 259548

Ion Ratio Lower Upper

200 100

173 25.9 5.6 45.6

215 45.8 25.3 65.3



#70

Pentachlorophenol

Concen: 92.380 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

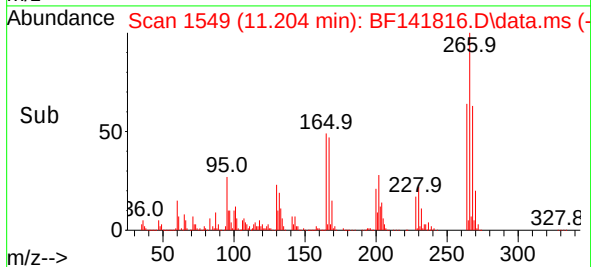
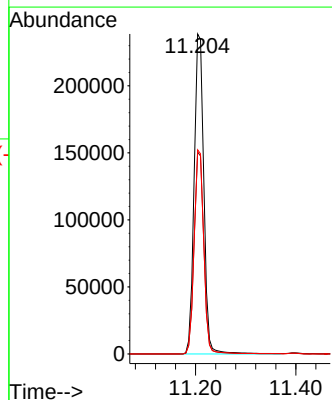
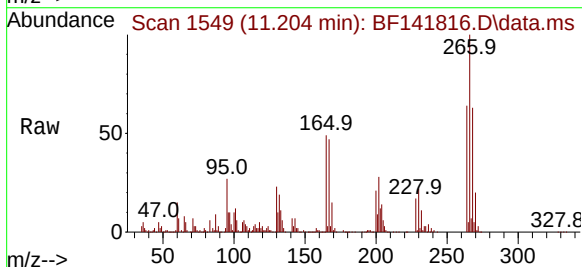
Tgt Ion:266 Resp: 318446

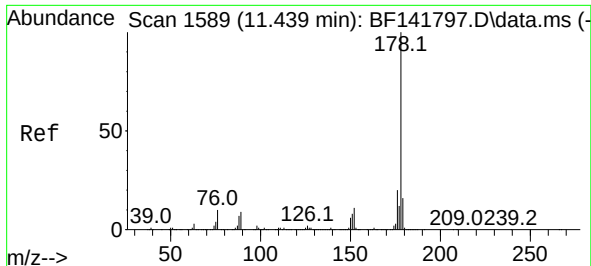
Ion Ratio Lower Upper

266 100

268 63.1 50.9 76.3

264 63.8 50.2 75.4

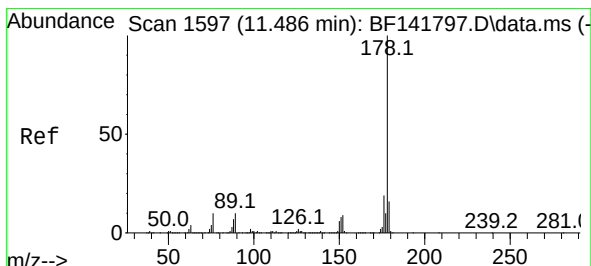
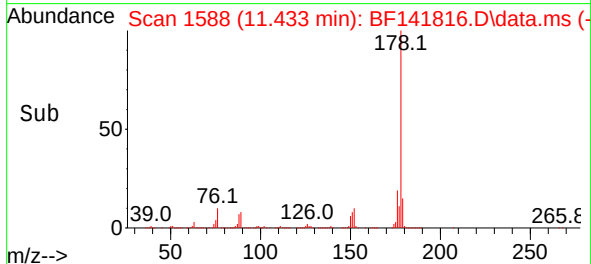
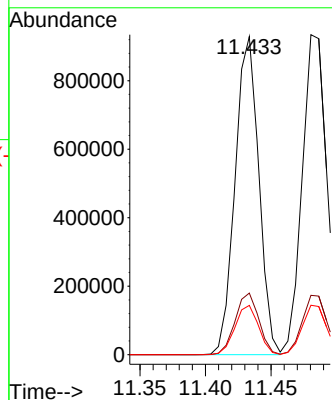
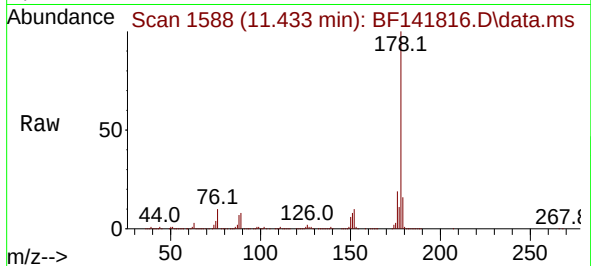




#71
Phenanthrene
Concen: 49.659 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

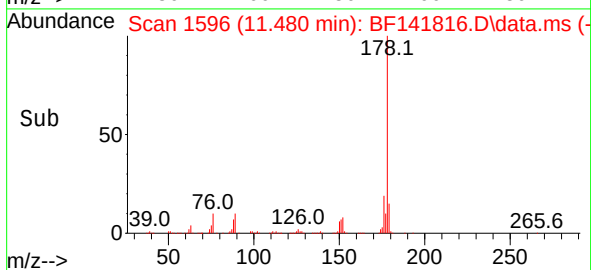
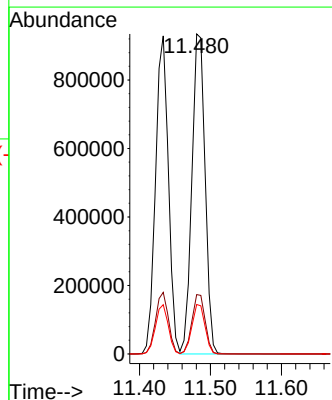
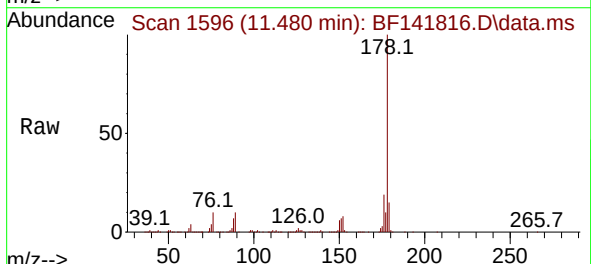
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

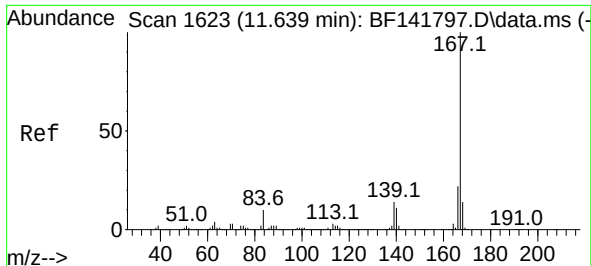
Tgt Ion:178 Resp: 1170509
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.5 12.6 19.0



#72
Anthracene
Concen: 51.232 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:178 Resp: 1210265
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.5 12.8 19.2

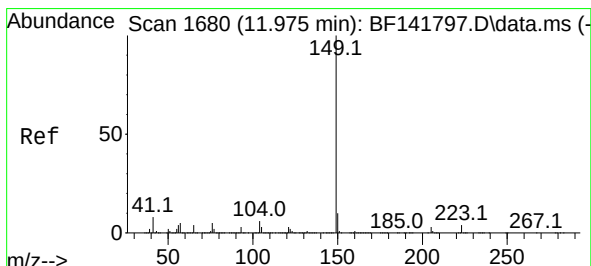
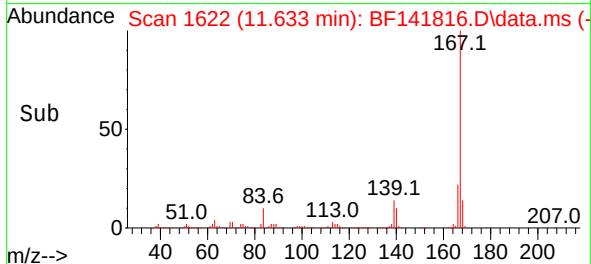
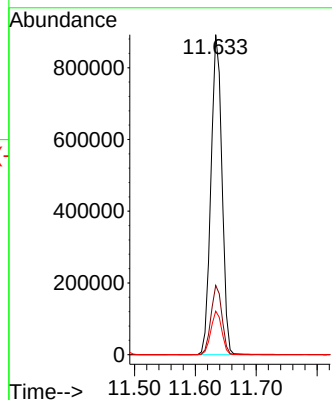
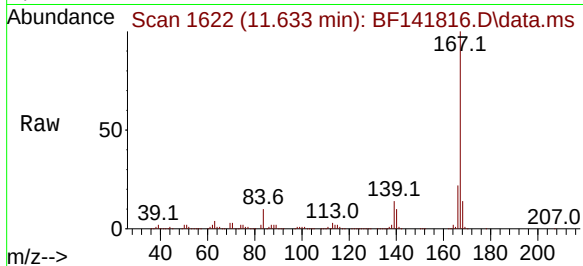




#73
 Carbazole
 Concen: 53.704 ng
 RT: 11.633 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF141816.D
 Acq: 03 Mar 2025 16:48

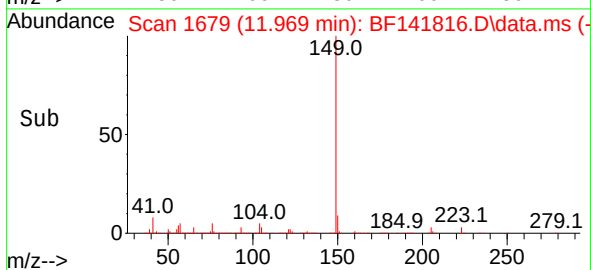
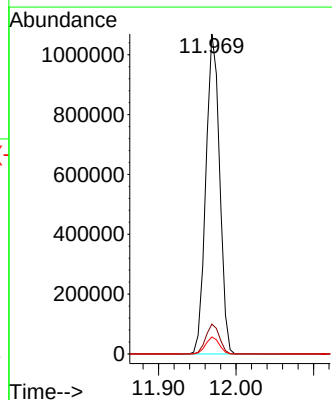
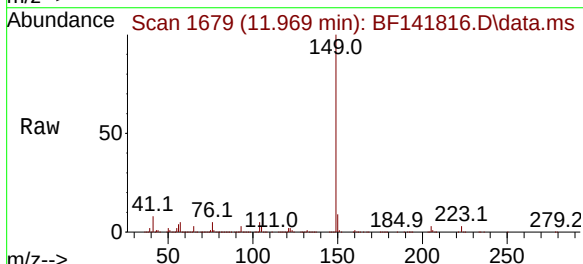
Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMS

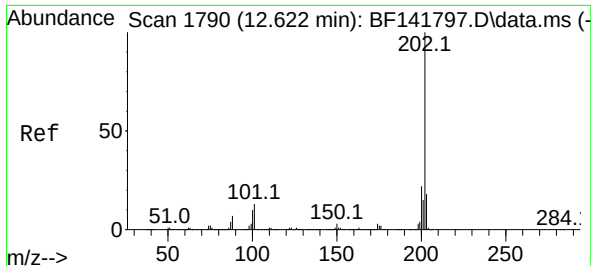
Tgt Ion:167 Resp: 1120317
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.5 26.3
 139 13.6 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 49.821 ng
 RT: 11.969 min Scan# 1679
 Delta R.T. -0.006 min
 Lab File: BF141816.D
 Acq: 03 Mar 2025 16:48

Tgt Ion:149 Resp: 1317420
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.7 11.5
 104 5.3 4.4 6.6

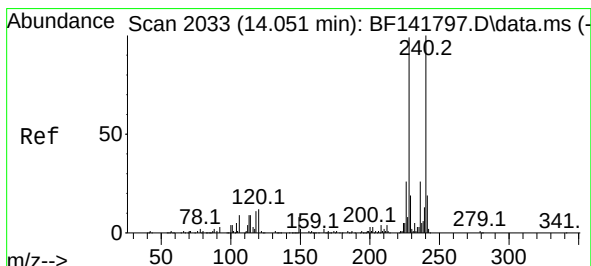
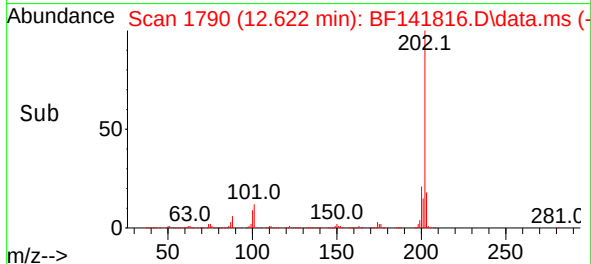
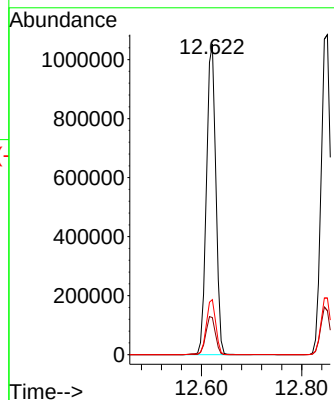
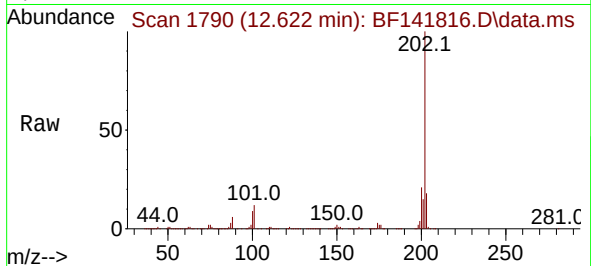




#75
Fluoranthene
Concen: 56.716 ng
RT: 12.622 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

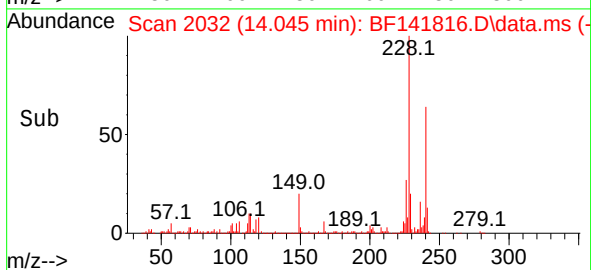
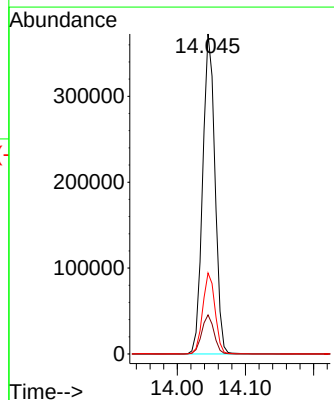
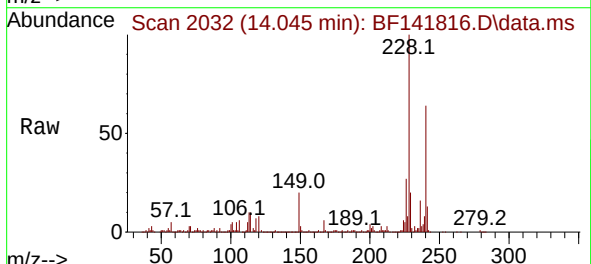
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

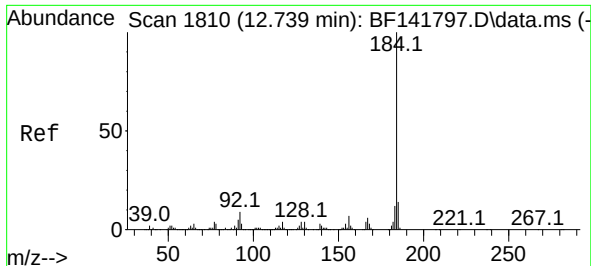
Tgt Ion:202 Resp: 1369797
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.8
203 17.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:240 Resp: 467330
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.3 21.0 31.4

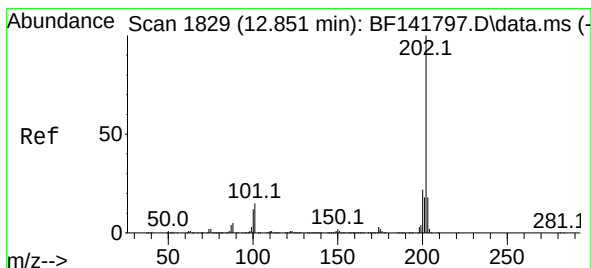
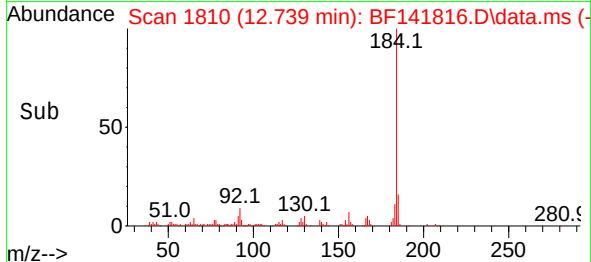
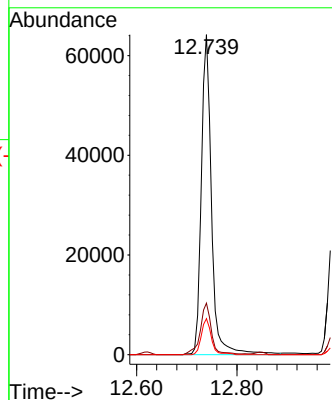
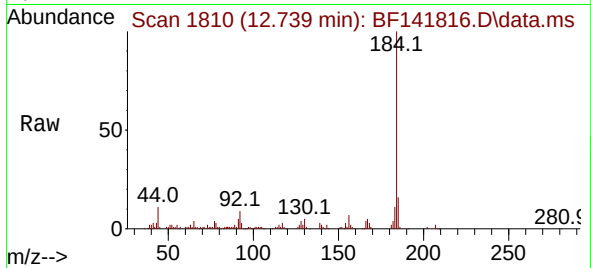




#77
Benzidine
Concen: 15.412 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

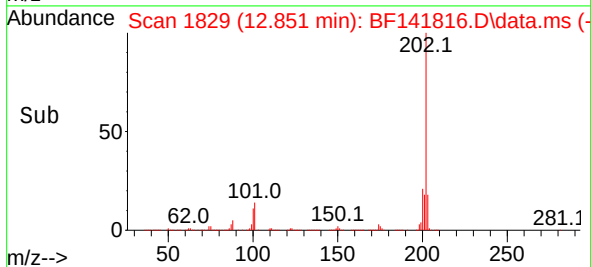
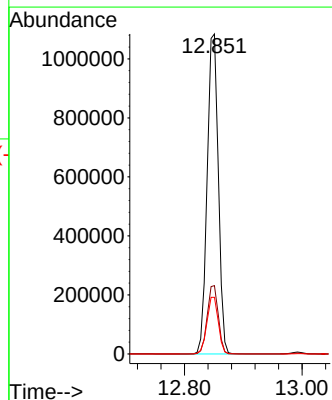
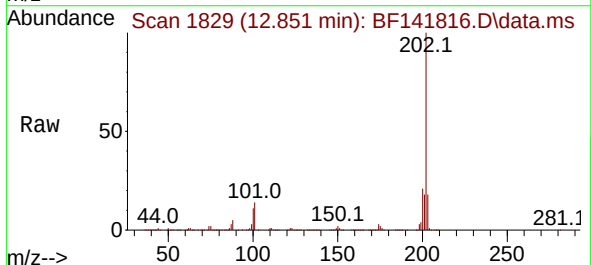
Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

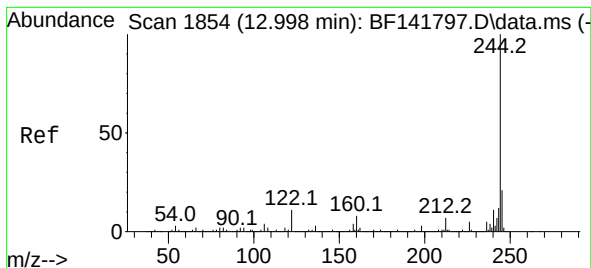
Tgt Ion:184 Resp: 90655
Ion Ratio Lower Upper
184 100
185 16.1 11.6 17.4
183 11.3 9.4 14.0



#78
Pyrene
Concen: 35.382 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:202 Resp: 1431855
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.0
203 17.7 14.6 22.0





#79

Terphenyl-d14

Concen: 80.079 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

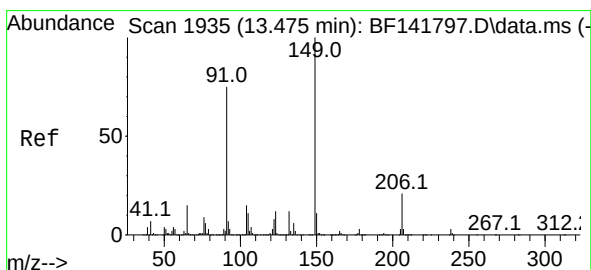
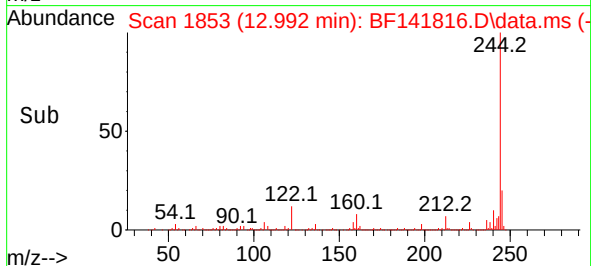
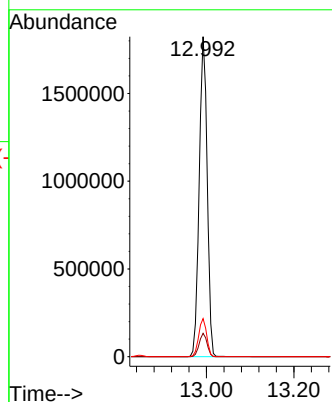
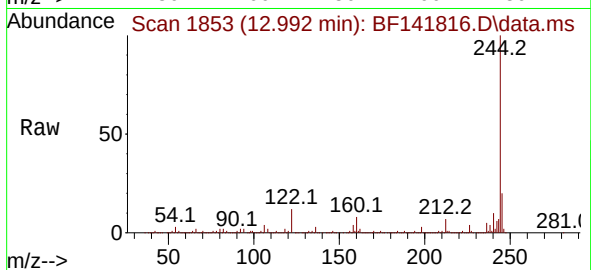
Tgt Ion:244 Resp: 2313054

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 11.9 9.0 13.6



#80

Butylbenzylphthalate

Concen: 42.067 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

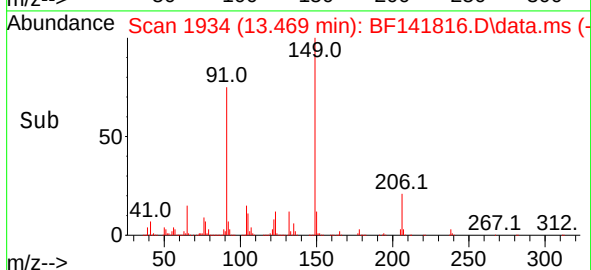
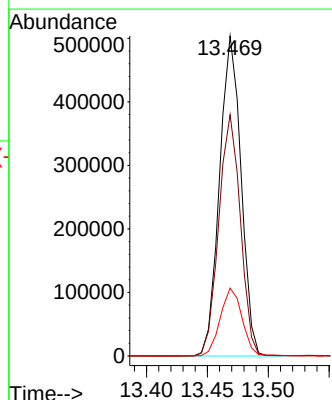
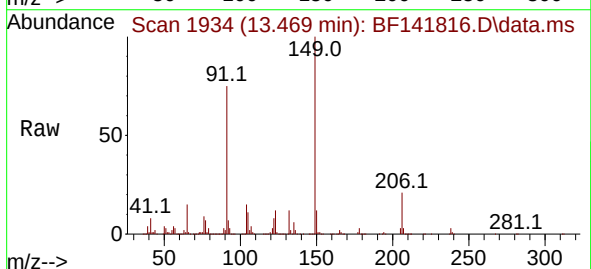
Tgt Ion:149 Resp: 618503

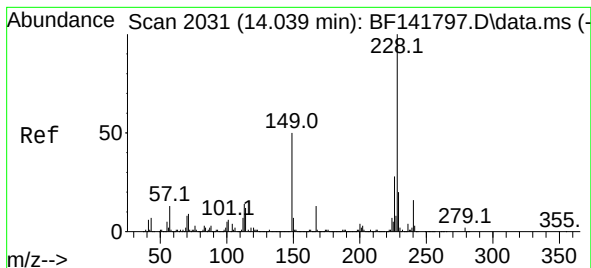
Ion Ratio Lower Upper

149 100

91 75.4 60.1 90.1

206 21.2 16.8 25.2





#81

Benzo(a)anthracene

Concen: 48.382 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

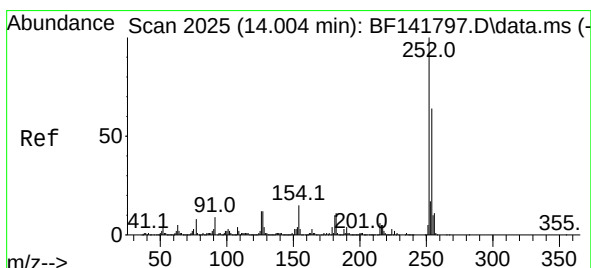
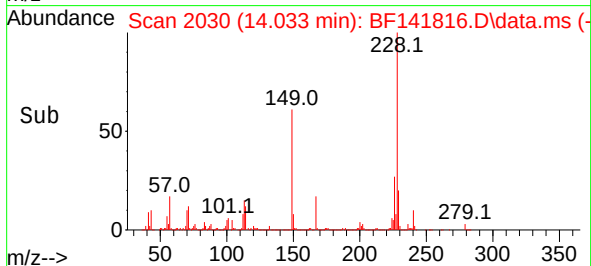
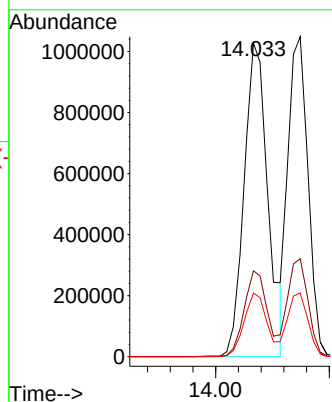
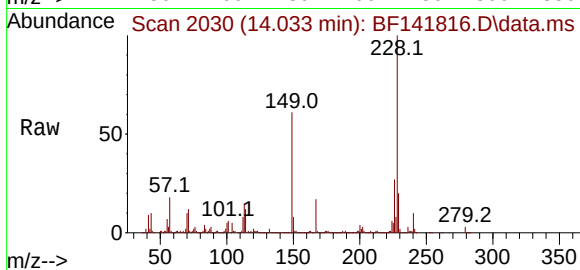
Tgt Ion:228 Resp: 1493462

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

229 20.2 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 15.503 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

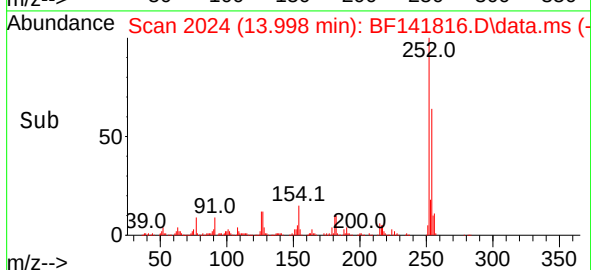
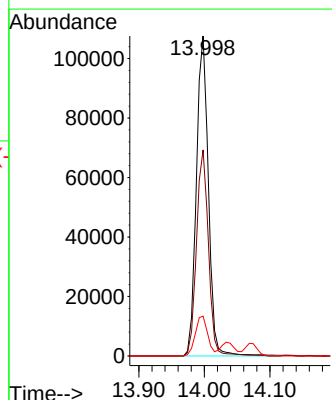
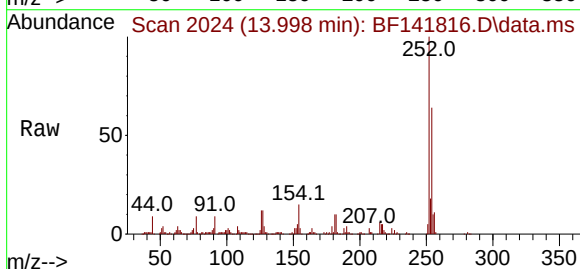
Tgt Ion:252 Resp: 137299

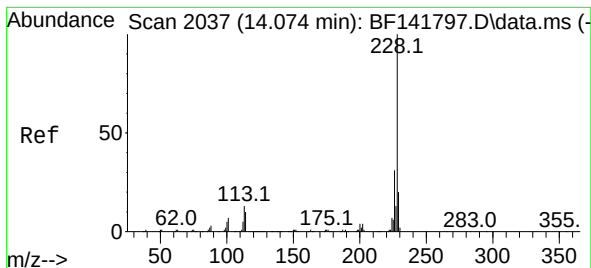
Ion Ratio Lower Upper

252 100

254 64.4 51.4 77.0

126 12.4 9.8 14.6





#83

Chrysene

Concen: 44.955 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

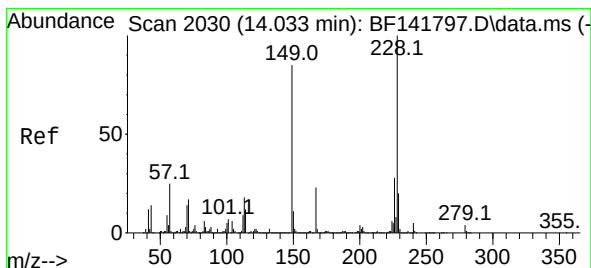
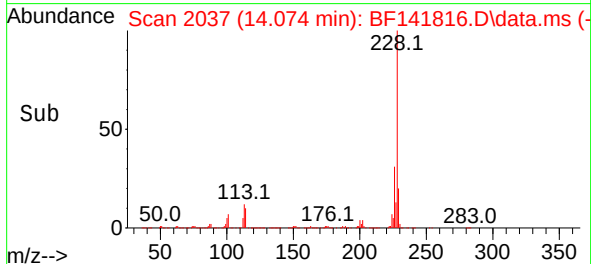
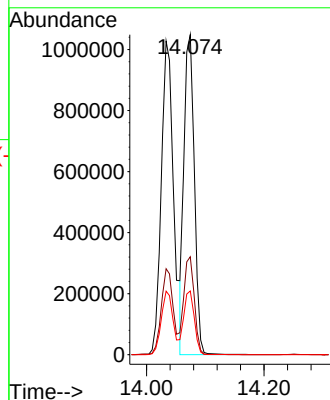
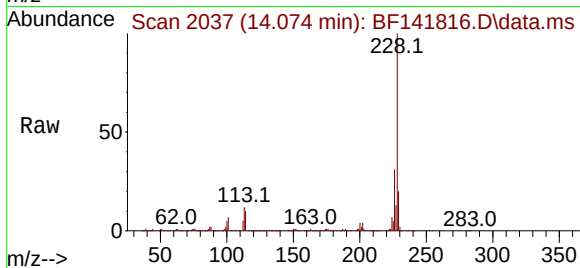
Tgt Ion:228 Resp: 1279187

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 19.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.510 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

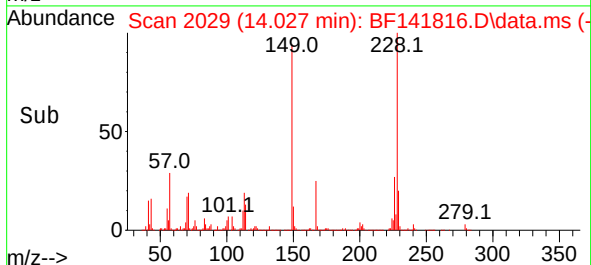
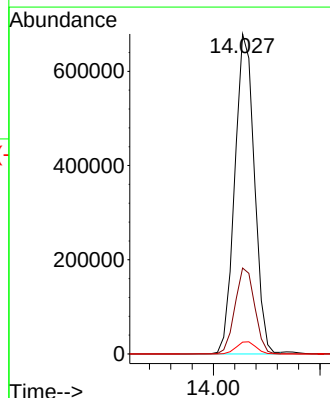
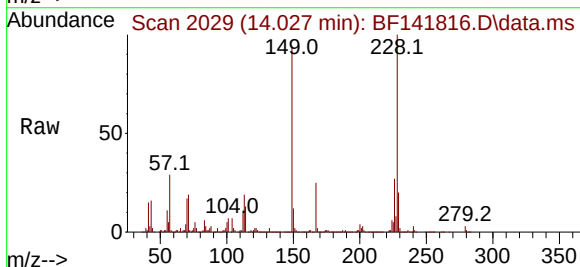
Tgt Ion:149 Resp: 869780

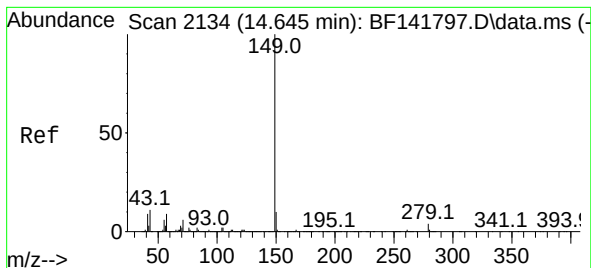
Ion Ratio Lower Upper

149 100

167 26.8 21.2 31.8

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 55.504 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

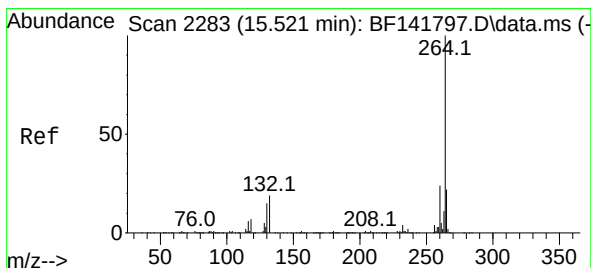
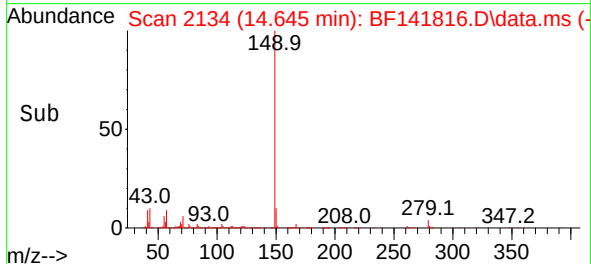
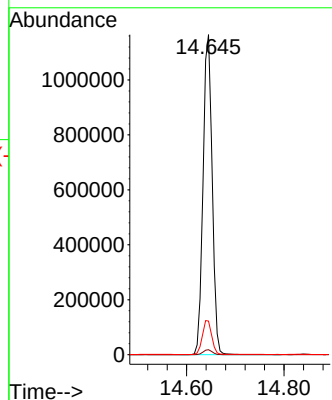
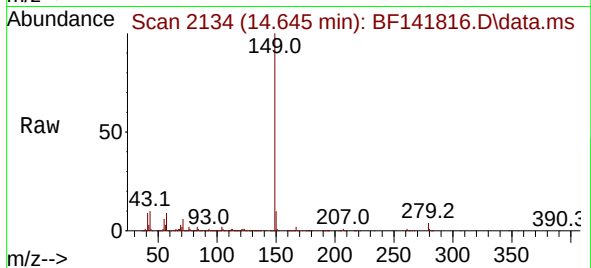
Tgt Ion:149 Resp: 1521257

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.9 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

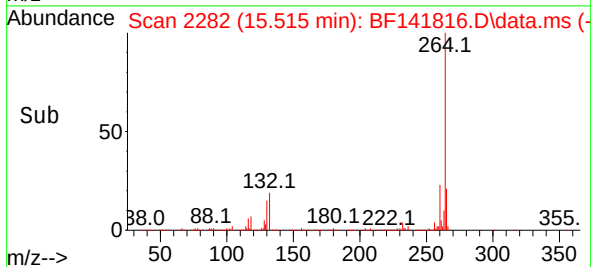
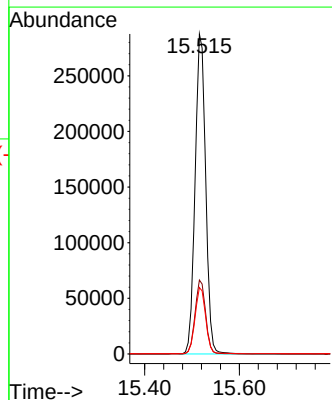
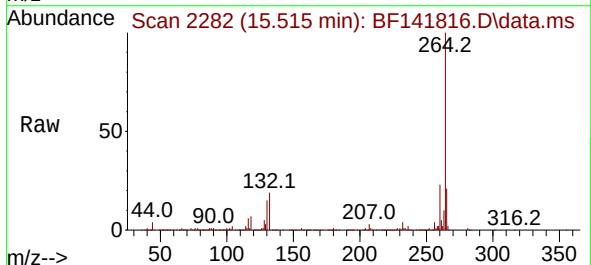
Tgt Ion:264 Resp: 445973

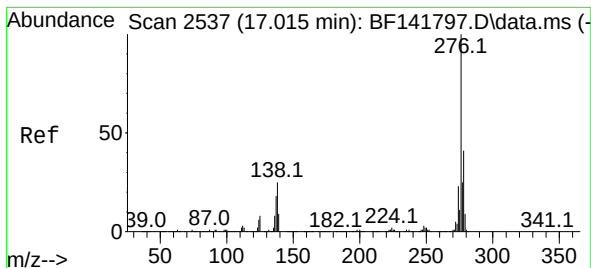
Ion Ratio Lower Upper

264 100

260 23.1 18.9 28.3

265 20.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.797 ng

RT: 17.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

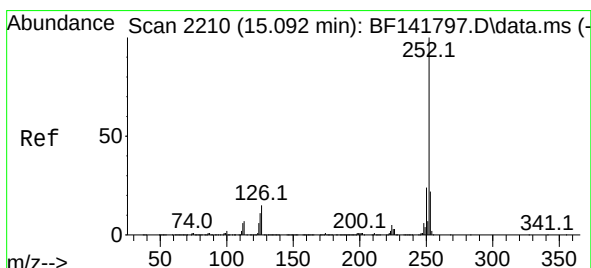
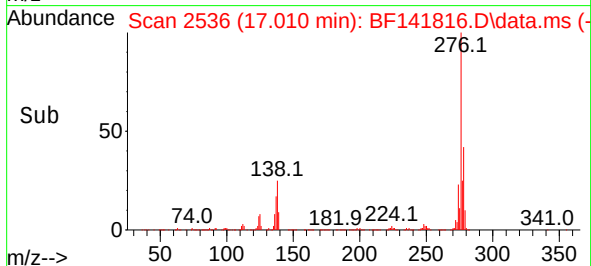
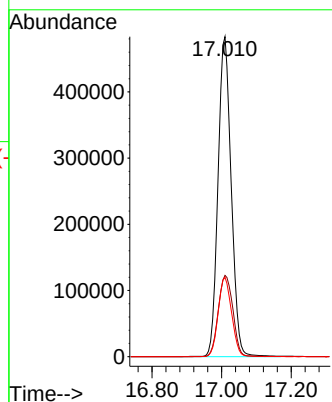
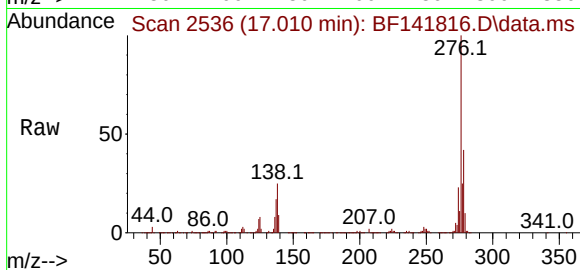
Tgt Ion:276 Resp: 1272144

Ion Ratio Lower Upper

276 100

138 28.1 22.5 33.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 47.250 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

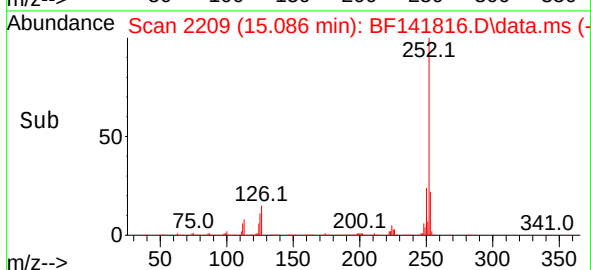
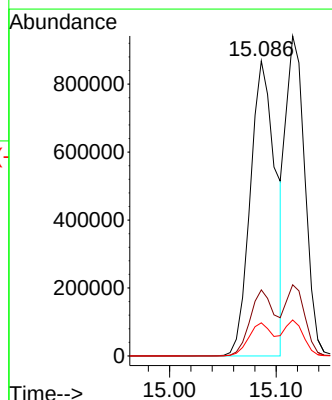
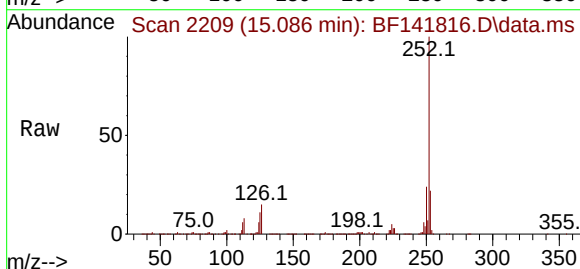
Tgt Ion:252 Resp: 1435368

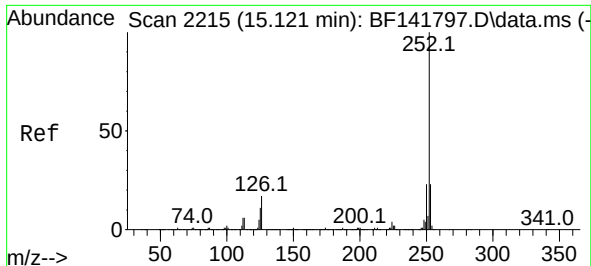
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 45.634 ng

RT: 15.116 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

Instrument :

BNA_F

ClientSampleId :

SP-SOILMS

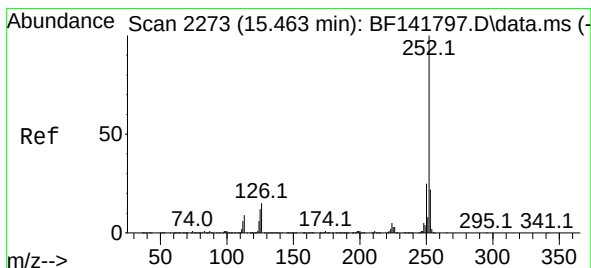
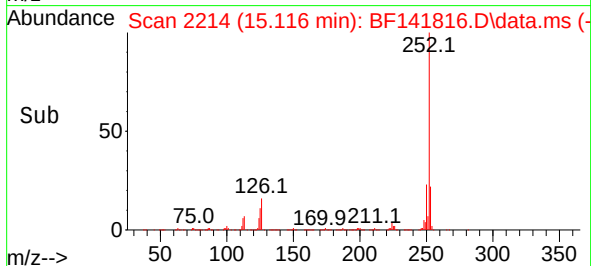
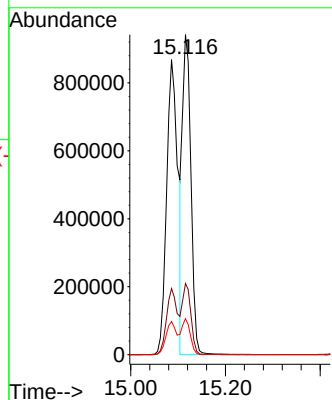
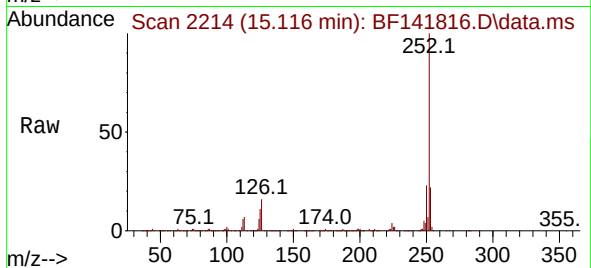
Tgt Ion:252 Resp: 1178286

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.2 8.8 13.2



#90

Benzo(a)pyrene

Concen: 49.809 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF141816.D

Acq: 03 Mar 2025 16:48

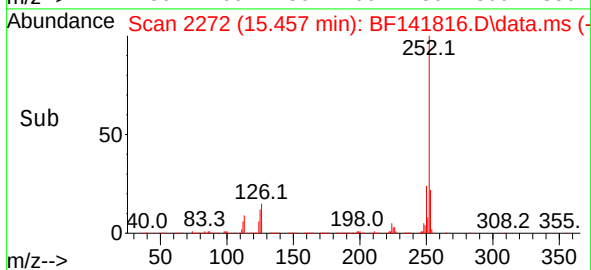
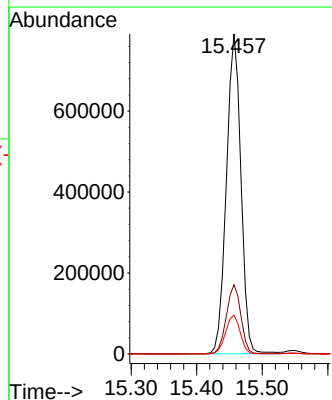
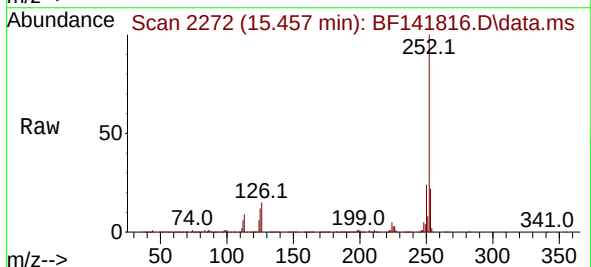
Tgt Ion:252 Resp: 1213499

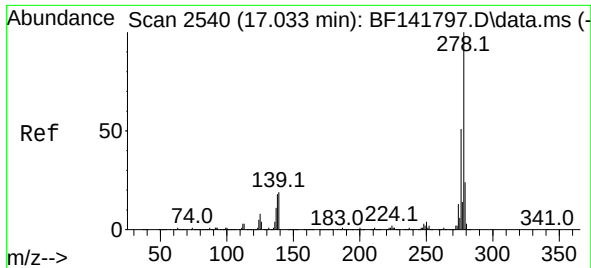
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 12.2 9.4 14.2



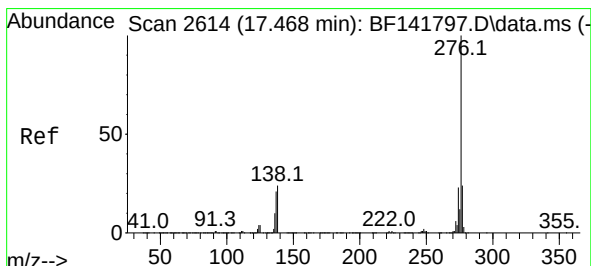
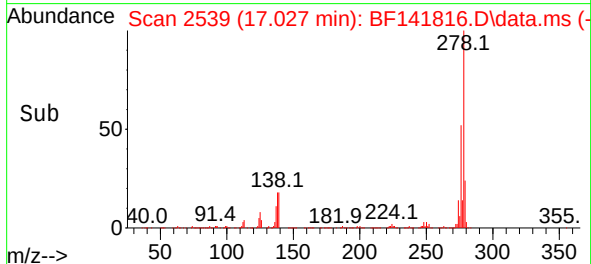
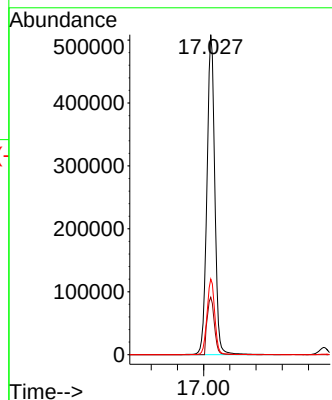
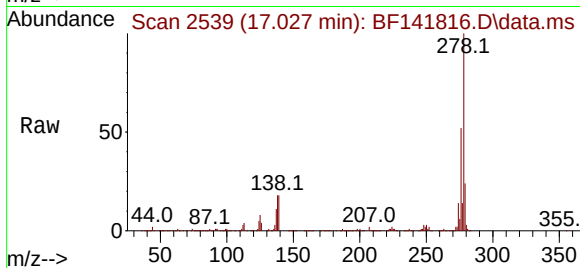


#91
Dibenzo(a,h)anthracene
Concen: 45.527 ng
RT: 17.027 min Scan# 2539
Delta R.T. -0.006 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Instrument :
BNA_F
ClientSampleId :
SP-SOILMS

Tgt Ion:278 Resp: 1055322

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	23.6	19.3	28.9



#92
Benzo(g,h,i)perylene
Concen: 40.477 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141816.D
Acq: 03 Mar 2025 16:48

Tgt Ion:276 Resp: 961232

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	24.5	19.3	28.9

