

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141817.D
 Acq On : 03 Mar 2025 17:17
 Operator : RC/JU
 Sample : Q1458-03MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMSD

Quant Time: Mar 03 17:34:03 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	131854	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	519516	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	287643	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	526713	20.000	ng	0.00
76) Chrysene-d12	14.045	240	541541	20.000	ng	0.00
86) Perylene-d12	15.515	264	517317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1127719	136.587	ng	0.00
7) Phenol-d6	6.504	99	1322275	123.043	ng	0.00
23) Nitrobenzene-d5	7.445	82	921778	113.414	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	422643	156.509	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1748319	97.459	ng	0.00
79) Terphenyl-d14	12.992	244	2643836	78.988	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	163157	43.551	ng	99
3) Pyridine	3.446	79	328696	35.263	ng	100
4) n-Nitrosodimethylamine	3.369	42	189313	42.210	ng	98
6) Aniline	6.545	93	132006	11.815	ng	99
8) 2-Chlorophenol	6.669	128	394020	44.116	ng	98
9) Benzaldehyde	6.434	77	100227	16.034	ng	99
10) Phenol	6.516	94	438945	38.224	ng	97
11) bis(2-Chloroethyl)ether	6.622	93	375392	42.885	ng	99
12) 1,3-Dichlorobenzene	6.828	146	390744	40.852	ng	99
13) 1,4-Dichlorobenzene	6.904	146	394265	40.909	ng	99
14) 1,2-Dichlorobenzene	7.057	146	383941	42.663	ng	98
15) Benzyl Alcohol	7.022	79	352837	41.082	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	586017	44.083	ng	97
17) 2-Methylphenol	7.128	107	318043	43.140	ng	99
18) Hexachloroethane	7.404	117	143098	39.670	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	300569	42.548	ng	98
20) 3+4-Methylphenols	7.281	107	417230	45.450	ng	96
22) Acetophenone	7.292	105	619898	48.993	ng	97
24) Nitrobenzene	7.463	77	419014	48.143	ng	99
25) Isophorone	7.704	82	797398	45.667	ng	99
26) 2-Nitrophenol	7.781	139	153364	40.256	ng	99
27) 2,4-Dimethylphenol	7.810	122	348608	54.313	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	484615	43.508	ng	99
29) 2,4-Dichlorophenol	8.016	162	329725	44.529	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	342449	42.206	ng	97
31) Naphthalene	8.192	128	1148976	43.031	ng	99
32) Benzoic acid	7.892	122	195290	38.304	ng	99
33) 4-Chloroaniline	8.234	127	48694	4.974	ng	99
34) Hexachlorobutadiene	8.310	225	204562	40.571	ng	99
35) Caprolactam	8.581	113	72673	31.903	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	365770	44.467	ng	98
37) 2-Methylnaphthalene	8.881	142	742339	42.387	ng	100
38) 1-Methylnaphthalene	8.981	142	729644	43.419	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	391773	47.159	ng	99
41) Hexachlorocyclopentadiene	9.033	237	431979	124.600	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	235520	43.889	ng	100

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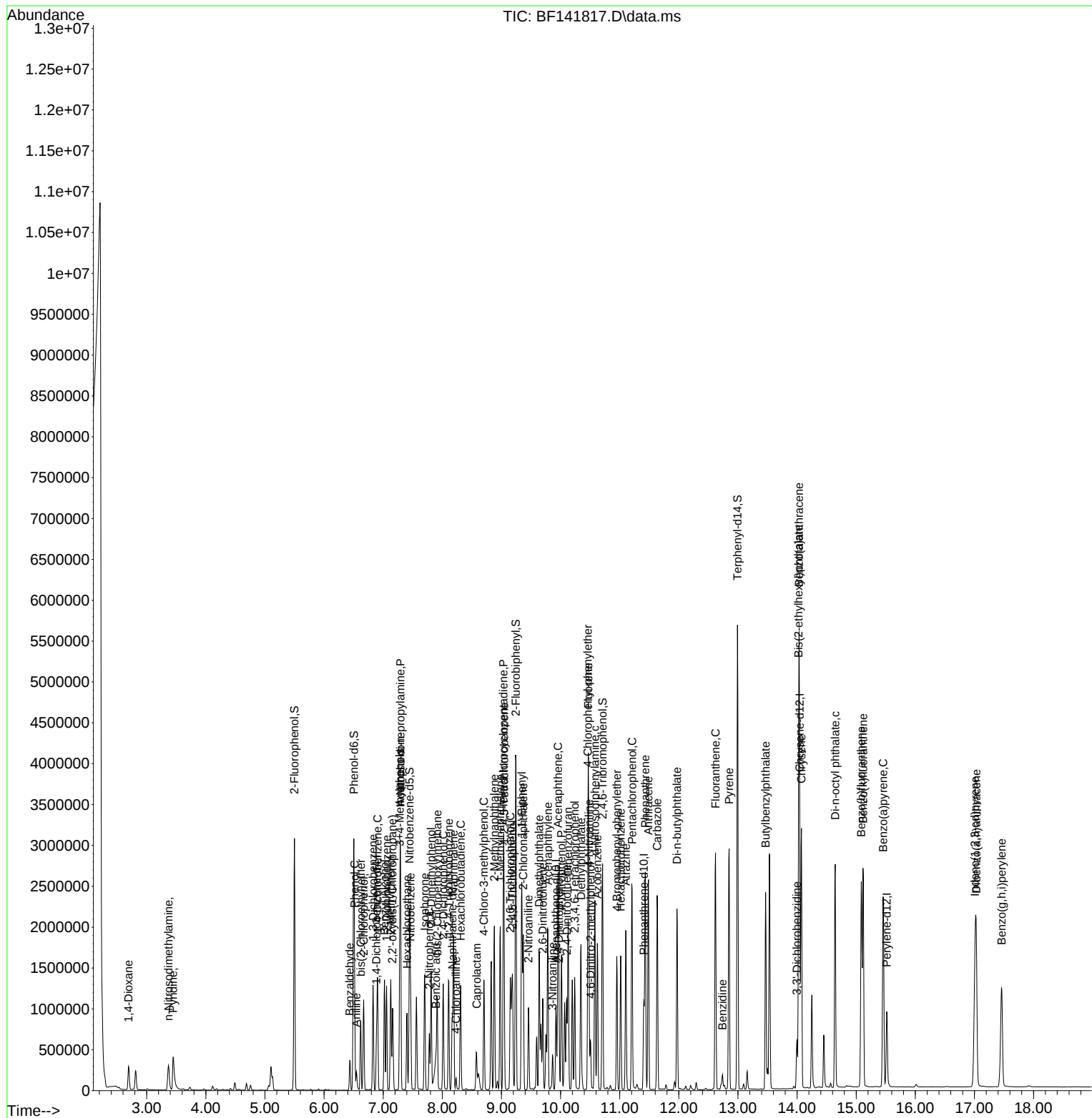
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	255139	48.014	ng	99
46) 1,1'-Biphenyl	9.345	154	1084913	49.552	ng	99
47) 2-Chloronaphthalene	9.369	162	733084	45.365	ng	97
48) 2-Nitroaniline	9.457	65	224719	50.550	ng	97
49) Acenaphthylene	9.786	152	1184945	48.907	ng	99
50) Dimethylphthalate	9.639	163	907095	47.090	ng	100
51) 2,6-Dinitrotoluene	9.698	165	183140	49.599	ng	100
52) Acenaphthene	9.957	154	816895	49.969	ng	99
53) 3-Nitroaniline	9.863	138	82555	22.699	ng	96
54) 2,4-Dinitrophenol	9.975	184	150792	86.585	ng	# 1
55) Dibenzofuran	10.128	168	1081270	45.442	ng	98
56) 4-Nitrophenol	10.016	139	347680	122.206	ng	98
57) 2,4-Dinitrotoluene	10.104	165	259975	57.043	ng	95
58) Fluorene	10.469	166	867737	48.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	224002	48.470	ng	99
60) Diethylphthalate	10.345	149	911254	47.189	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	413378	46.290	ng	100
62) 4-Nitroaniline	10.480	138	201580	61.278	ng	96
63) Azobenzene	10.622	77	929948	45.737	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	101683	42.182	ng	96
66) n-Nitrosodiphenylamine	10.580	169	762700	44.098	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	267447	43.472	ng	98
68) Hexachlorobenzene	11.016	284	289488	44.560	ng	99
69) Atrazine	11.104	200	313761	65.969	ng	99
70) Pentachlorophenol	11.210	266	381750	92.650	ng	100
71) Phenanthrene	11.433	178	1373049	48.735	ng	99
72) Anthracene	11.486	178	1405921	49.791	ng	99
73) Carbazole	11.633	167	1324956	53.136	ng	99
74) Di-n-butylphthalate	11.969	149	1547779	48.969	ng	99
75) Fluoranthene	12.621	202	1606545	55.650	ng	99
77) Benzidine	12.739	184	95592	14.025	ng	98
78) Pyrene	12.851	202	1675575	35.731	ng	99
80) Butylbenzylphthalate	13.469	149	725153	42.562	ng	99
81) Benzo(a)anthracene	14.033	228	1682107	47.026	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	172342	16.793	ng	100
83) Chrysene	14.074	228	1475043	44.735	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	1019709	48.067	ng	99
85) Di-n-octyl phthalate	14.645	149	1792148	56.427	ng	100
87) Indeno(1,2,3-cd)pyrene	17.009	276	1469356	44.606	ng	100
88) Benzo(b)fluoranthene	15.086	252	1626304	46.152	ng	99
89) Benzo(k)fluoranthene	15.115	252	1389694	46.399	ng	100
90) Benzo(a)pyrene	15.457	252	1380789	48.859	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	1212134	45.080	ng	99
92) Benzo(g,h,i)perylene	17.462	276	1102571	40.026	ng	99

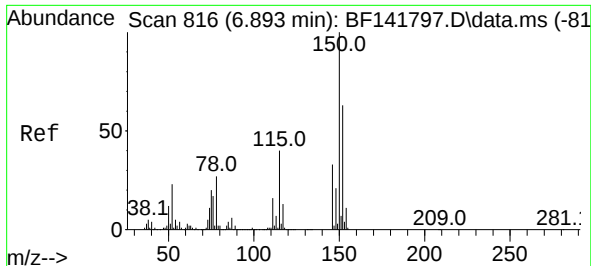
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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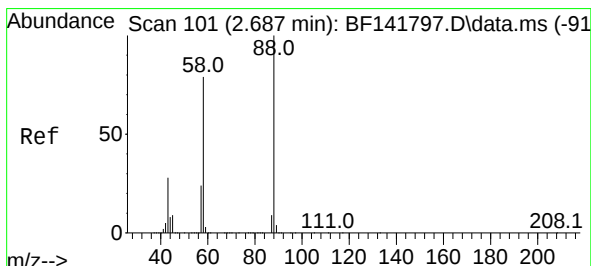
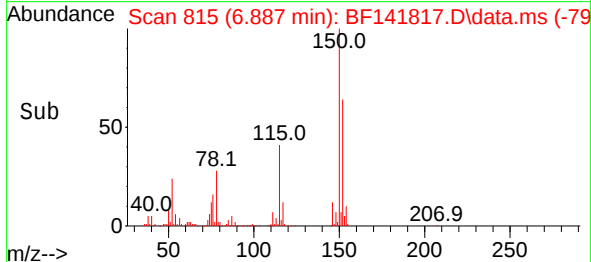
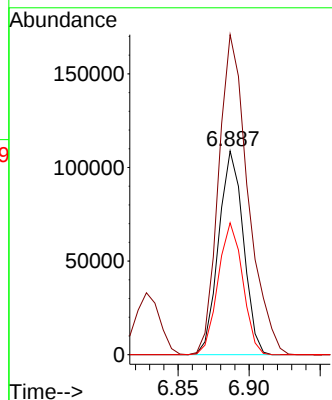
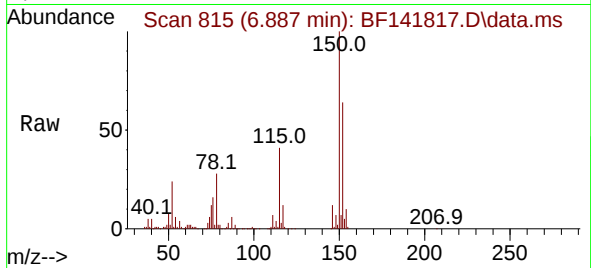




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

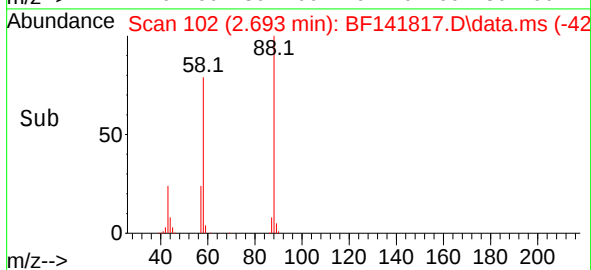
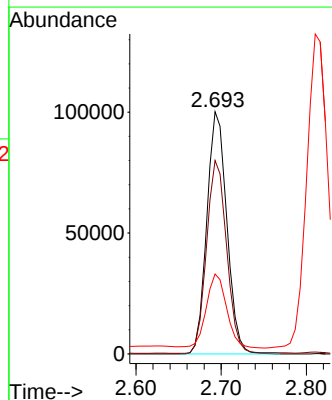
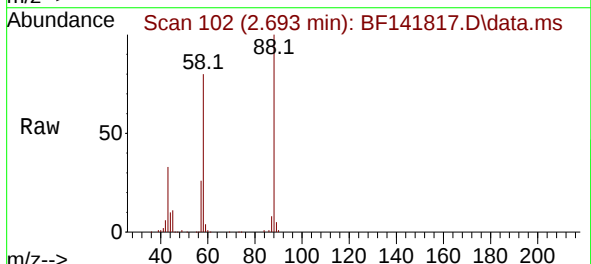
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

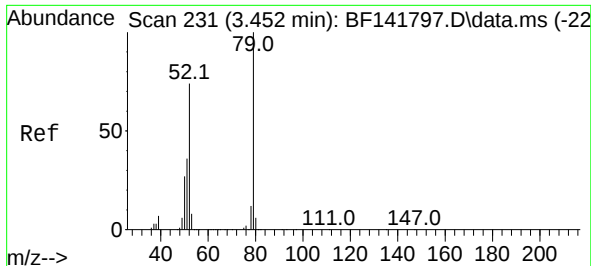
Tgt Ion:152 Resp: 131854
Ion Ratio Lower Upper
152 100
150 157.1 127.5 191.3
115 64.7 51.4 77.2



#2
1,4-Dioxane
Concen: 43.551 ng
RT: 2.693 min Scan# 102
Delta R.T. 0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion: 88 Resp: 163157
Ion Ratio Lower Upper
88 100
58 80.0 63.9 95.9
43 31.2 23.0 34.6





#3

Pyridine

Concen: 35.263 ng

RT: 3.446 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

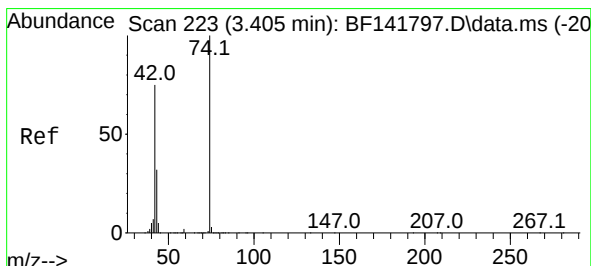
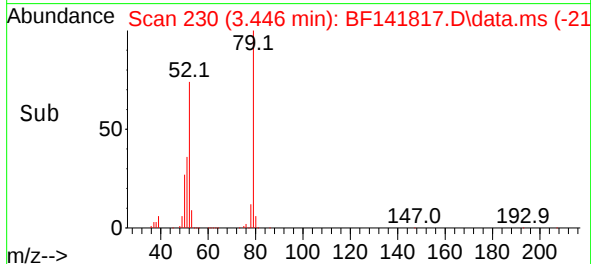
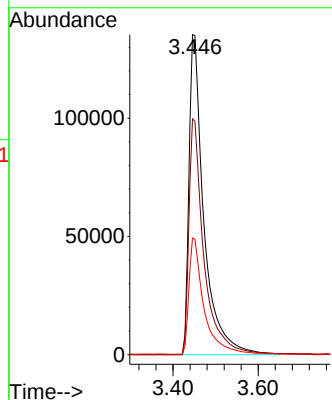
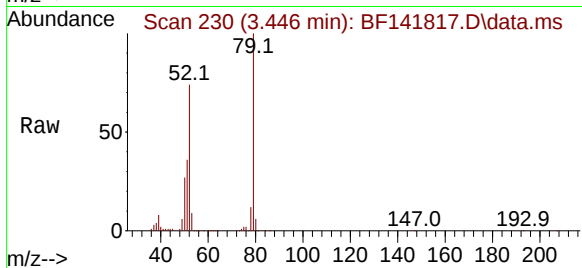
Tgt Ion: 79 Resp: 328696

Ion Ratio Lower Upper

79 100

52 73.7 59.0 88.4

51 36.5 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 42.210 ng

RT: 3.369 min Scan# 217

Delta R.T. -0.035 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

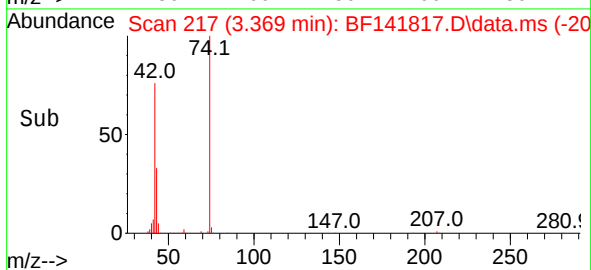
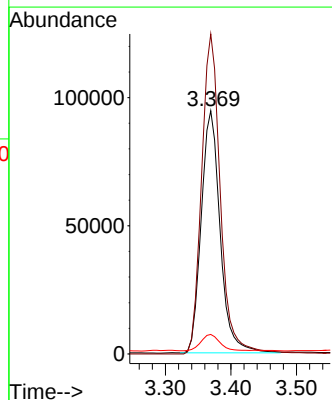
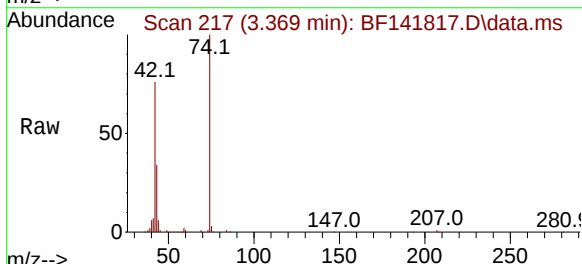
Tgt Ion: 42 Resp: 189313

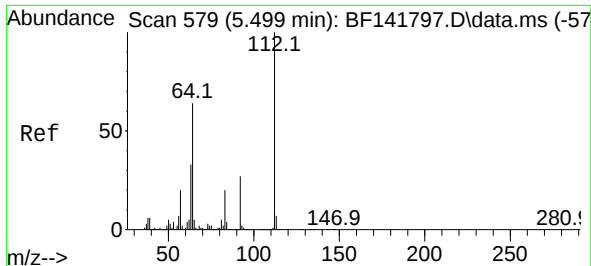
Ion Ratio Lower Upper

42 100

74 131.6 107.1 160.7

44 8.0 6.6 9.8

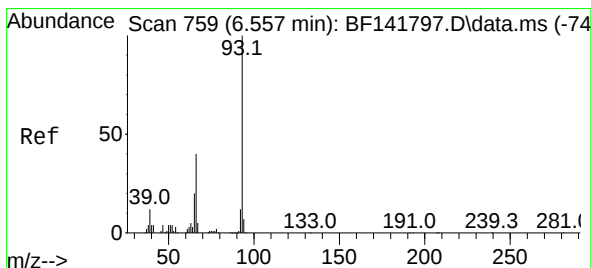
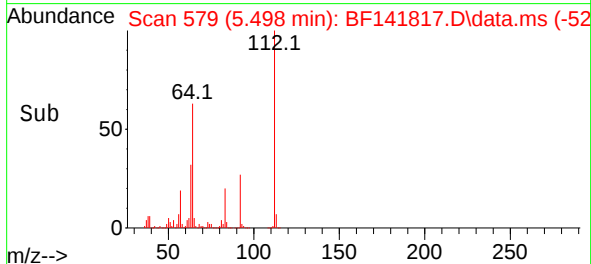
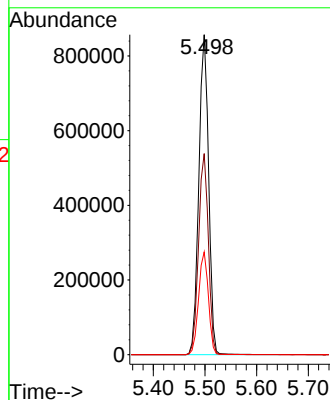
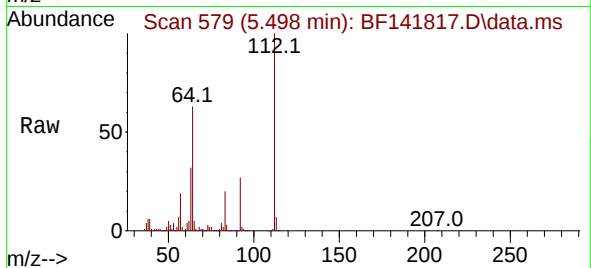




#5
2-Fluorophenol
Concen: 136.587 ng
RT: 5.498 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

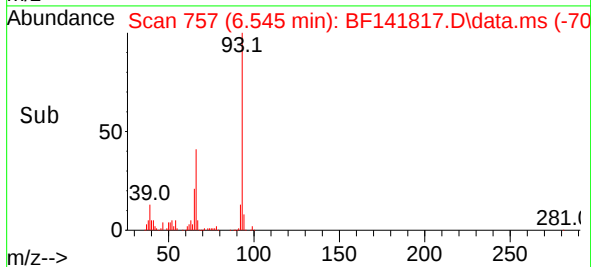
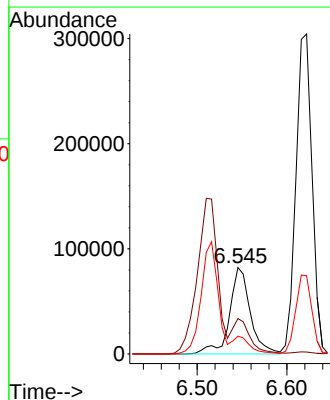
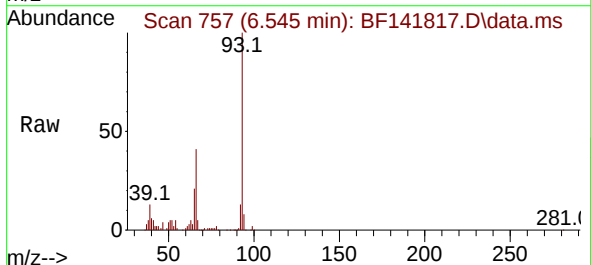
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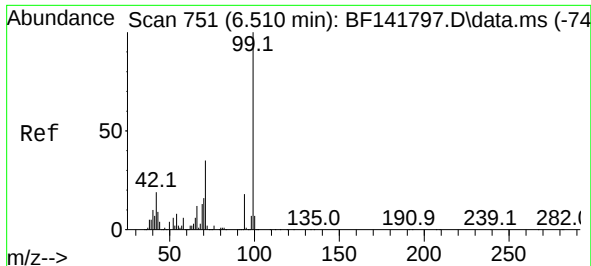
Tgt Ion:112 Resp: 1127719
Ion Ratio Lower Upper
112 100
64 62.8 51.3 76.9
63 32.1 26.2 39.4



#6
Aniline
Concen: 11.815 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion: 93 Resp: 132006
Ion Ratio Lower Upper
93 100
66 41.0 32.3 48.5
65 20.6 15.9 23.9

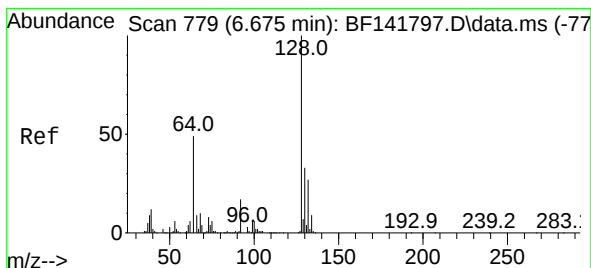
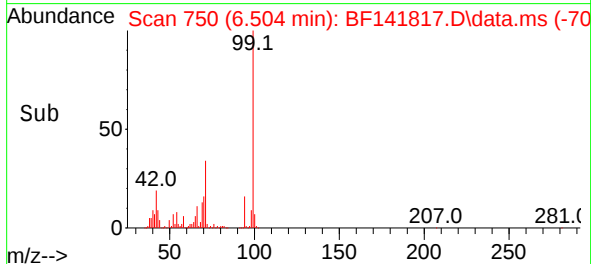
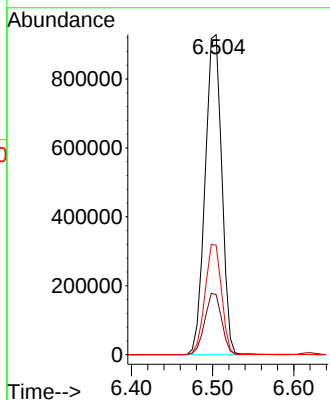
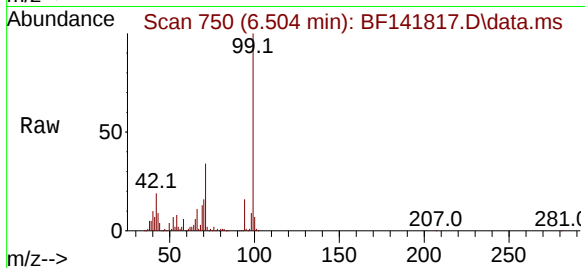




#7
Phenol-d6
Concen: 123.043 ng
RT: 6.504 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

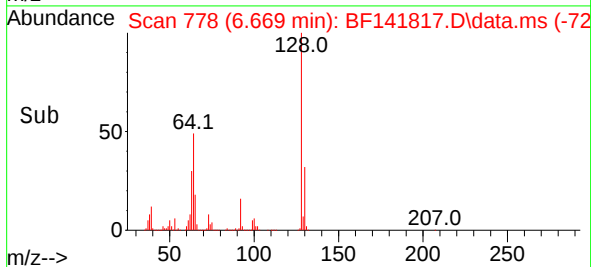
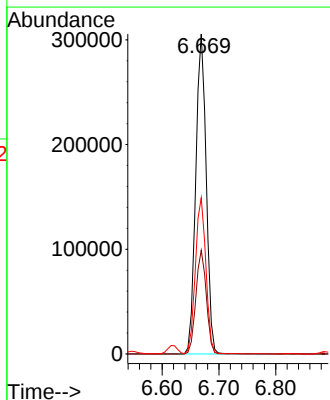
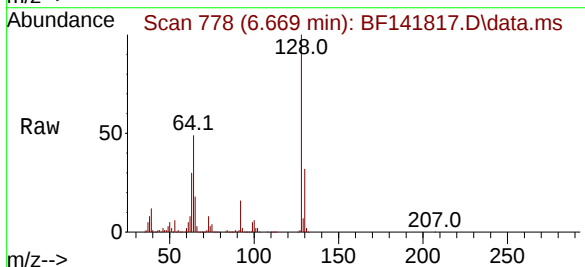
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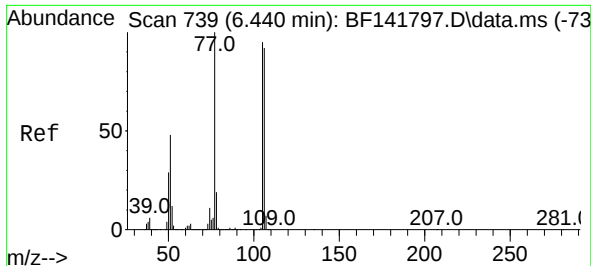
Tgt Ion: 99 Resp: 1322275
Ion Ratio Lower Upper
99 100
42 18.8 15.2 22.8
71 34.3 28.2 42.2



#8
2-Chlorophenol
Concen: 44.116 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:128 Resp: 394020
Ion Ratio Lower Upper
128 100
130 32.4 12.6 52.6
64 48.8 31.1 71.1

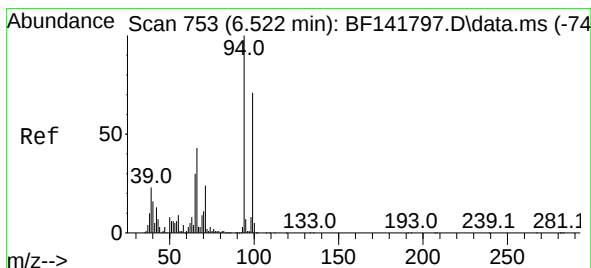
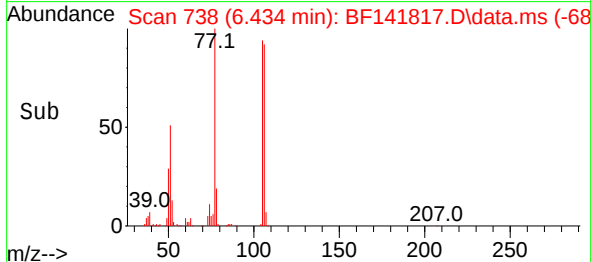
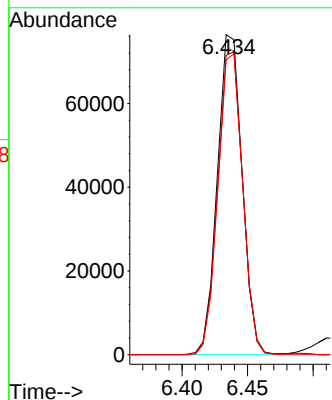
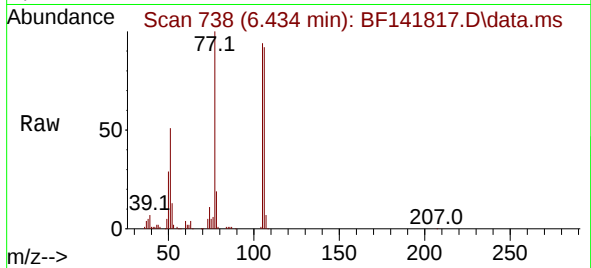




#9
Benzaldehyde
Concen: 16.034 ng
RT: 6.434 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141817.D
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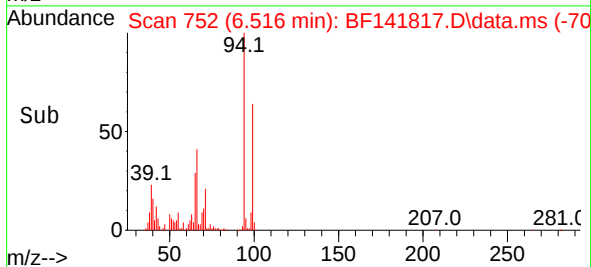
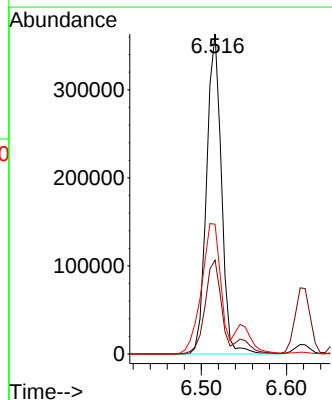
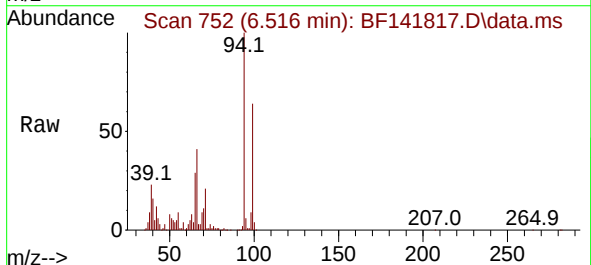
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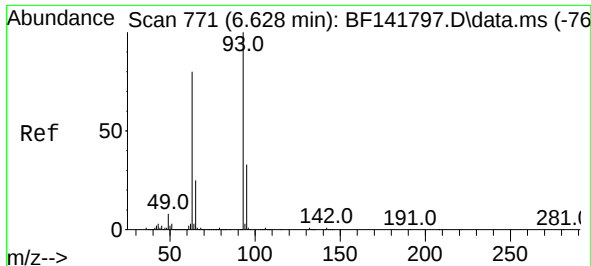
Tgt Ion: 77 Resp: 100227
Ion Ratio Lower Upper
77 100
105 93.6 75.3 115.3
106 92.0 72.3 112.3



#10
Phenol
Concen: 38.224 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion: 94 Resp: 438945
Ion Ratio Lower Upper
94 100
65 29.4 10.2 50.2
66 40.5 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 42.885 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

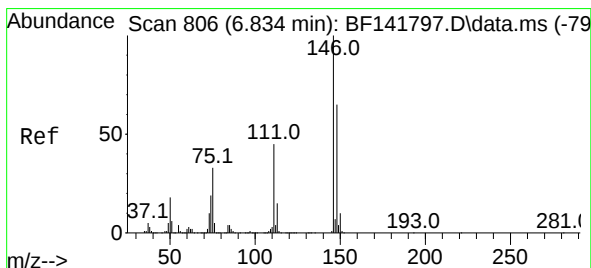
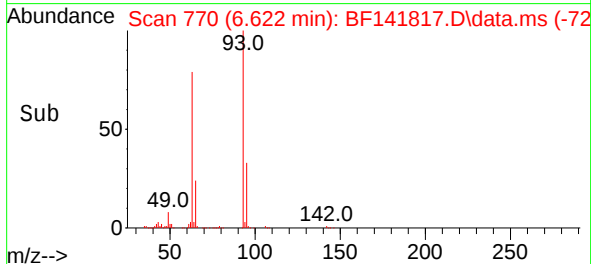
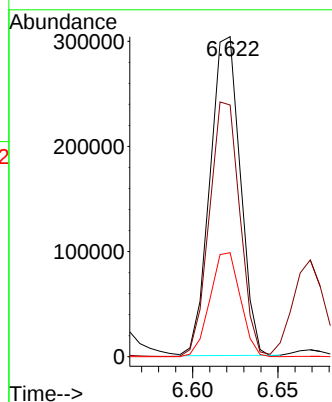
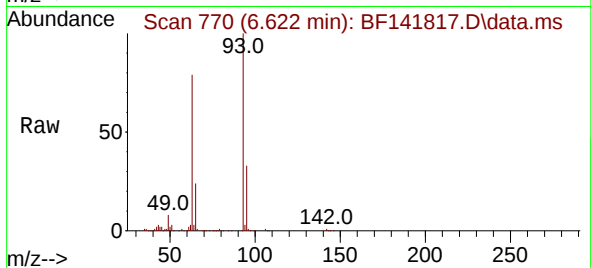
Tgt Ion: 93 Resp: 375392

Ion Ratio Lower Upper

93 100

63 78.7 59.3 99.3

95 32.5 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 40.852 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

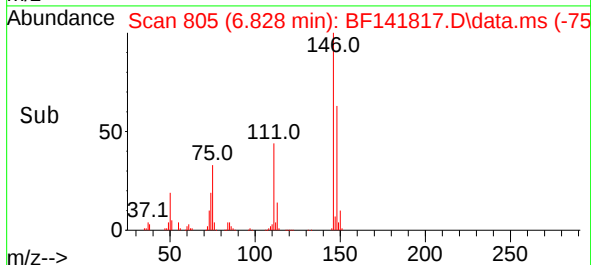
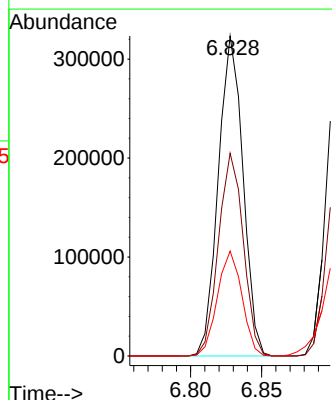
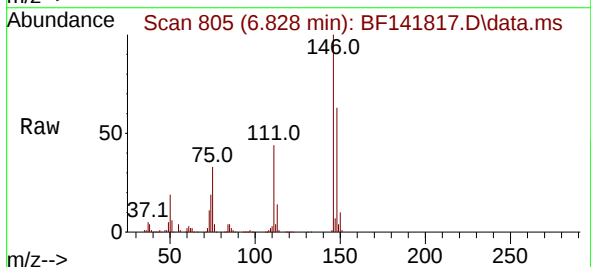
Tgt Ion:146 Resp: 390744

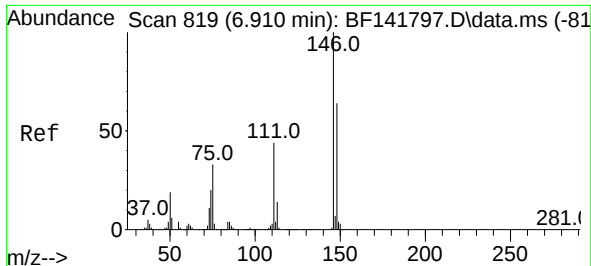
Ion Ratio Lower Upper

146 100

148 63.3 51.8 77.6

75 32.7 26.2 39.4

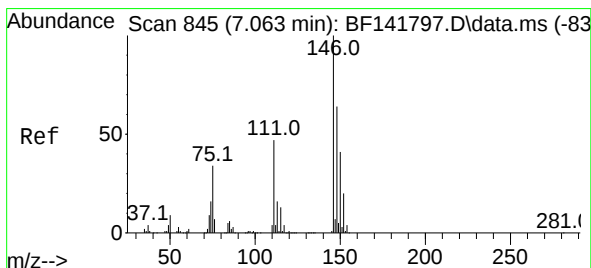
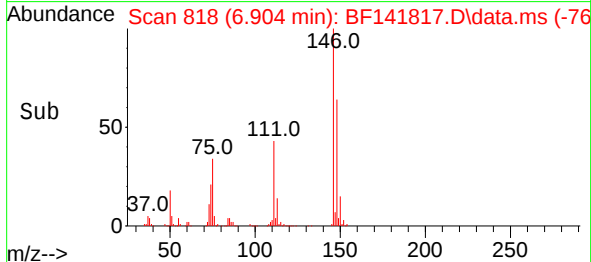
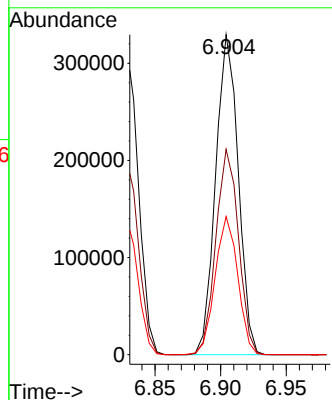
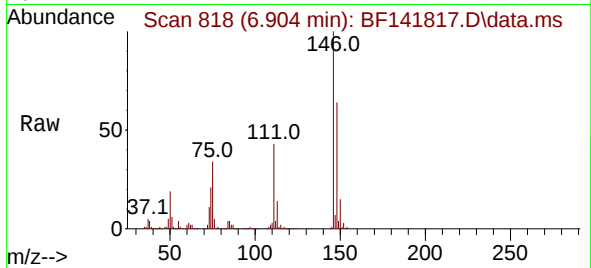




#13
1,4-Dichlorobenzene
Concen: 40.909 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

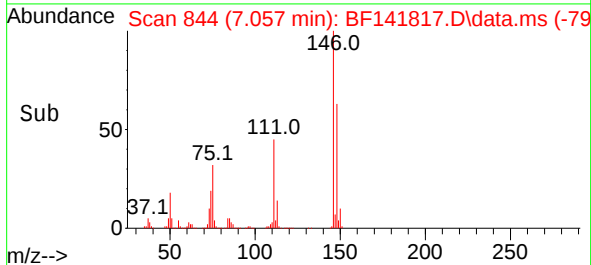
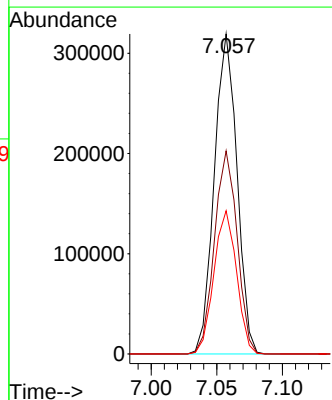
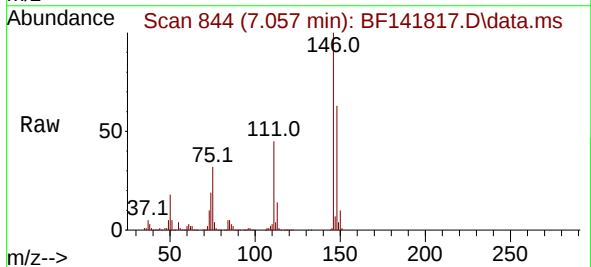
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

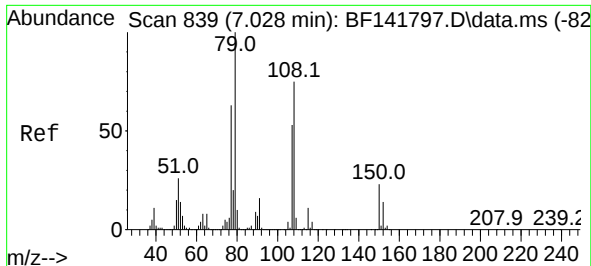
Tgt Ion:146 Resp: 394265
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.2
111 43.1 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 42.663 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:146 Resp: 383941
Ion Ratio Lower Upper
146 100
148 63.5 51.2 76.8
111 44.7 37.8 56.6

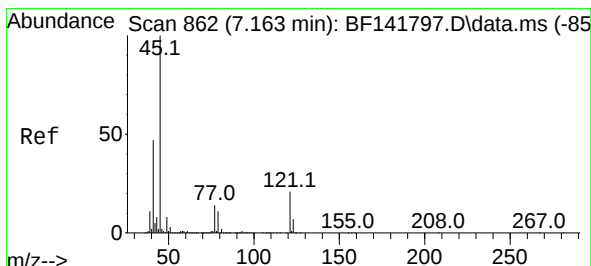
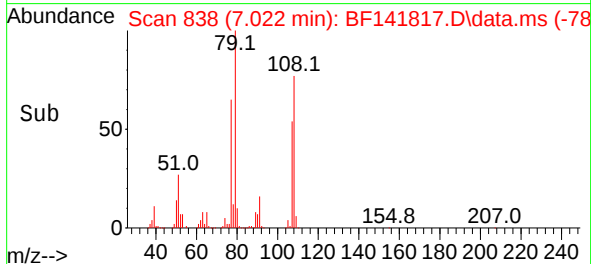
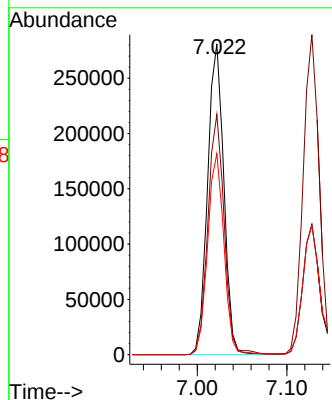
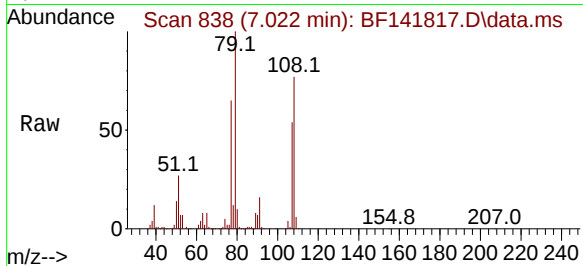




#15
Benzyl Alcohol
Concen: 41.082 ng
RT: 7.022 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

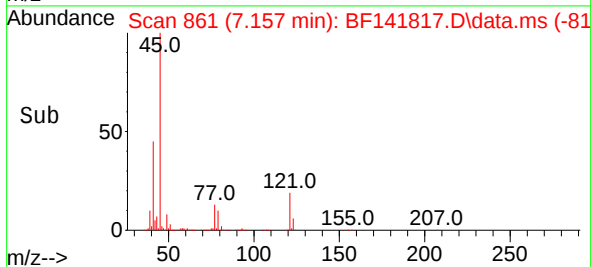
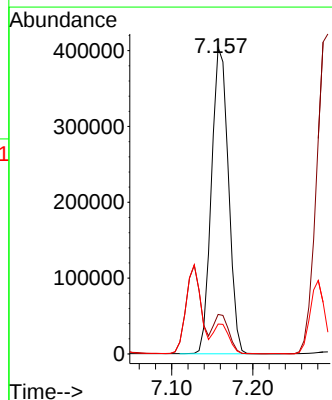
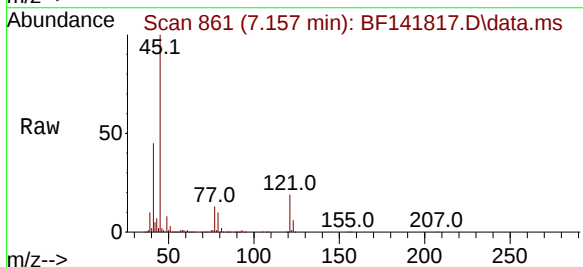
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

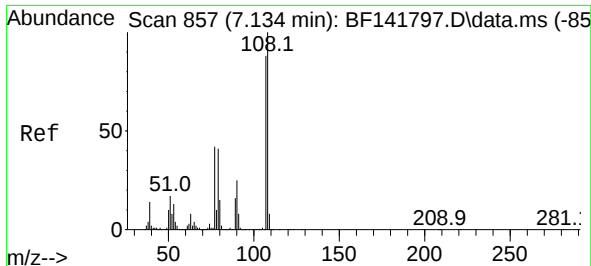
Tgt Ion: 79 Resp: 352837
Ion Ratio Lower Upper
79 100
108 77.2 60.2 90.2
77 64.7 50.2 75.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.083 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion: 45 Resp: 586017
Ion Ratio Lower Upper
45 100
77 12.9 0.0 34.4
79 9.8 0.0 30.9

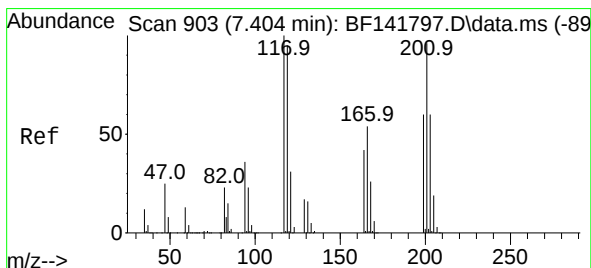
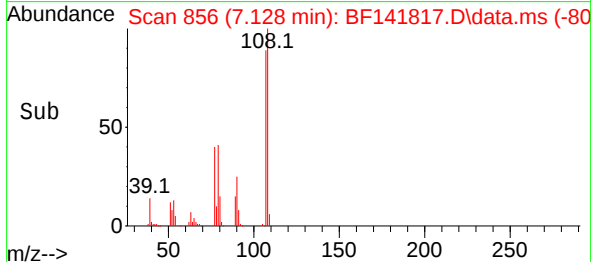
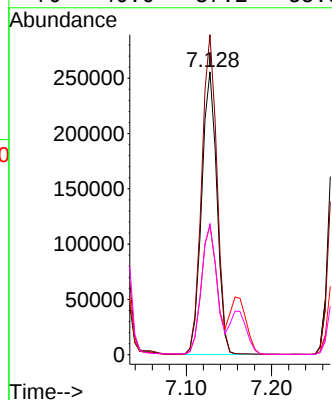
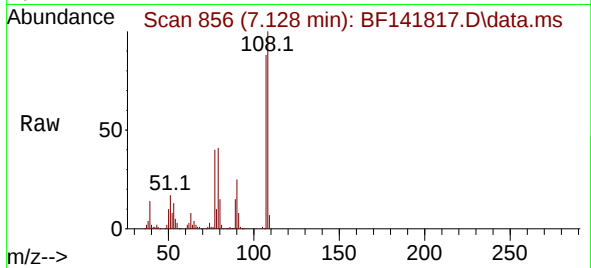




#17
2-Methylphenol
Concen: 43.140 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

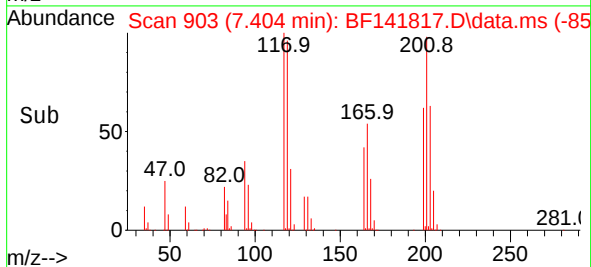
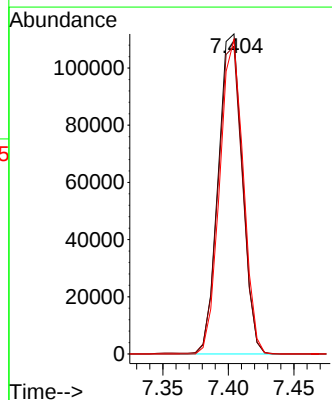
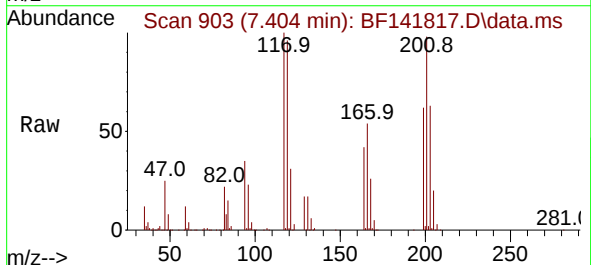
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

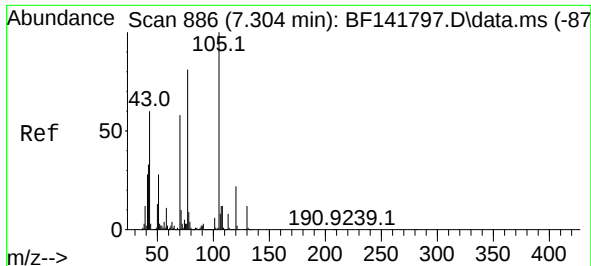
Tgt Ion:107 Resp: 318043
Ion Ratio Lower Upper
107 100
108 113.1 90.6 135.8
77 45.7 37.7 56.5
79 46.0 37.2 55.8



#18
Hexachloroethane
Concen: 39.670 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:117 Resp: 143098
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.8
201 98.3 76.7 115.1

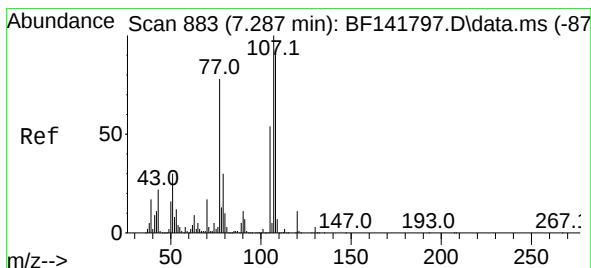
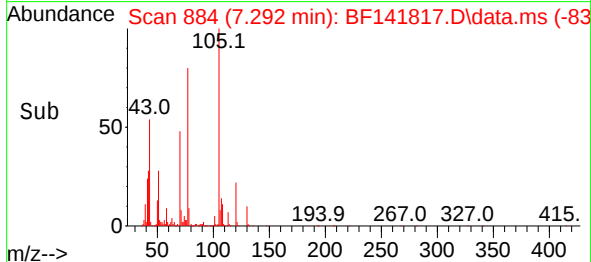
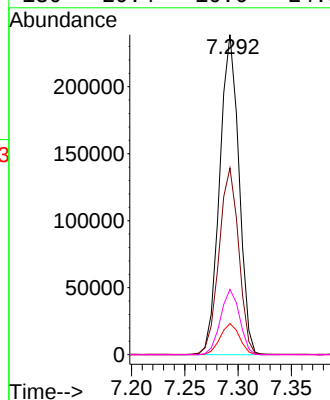
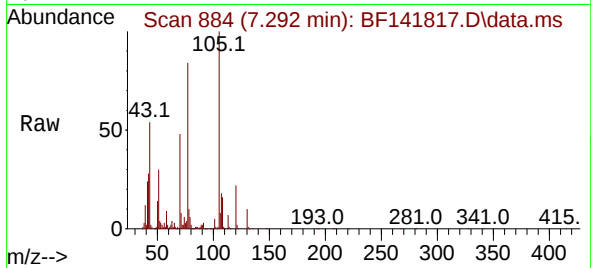




#19
n-Nitroso-di-n-propylamine
Concen: 42.548 ng
RT: 7.292 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

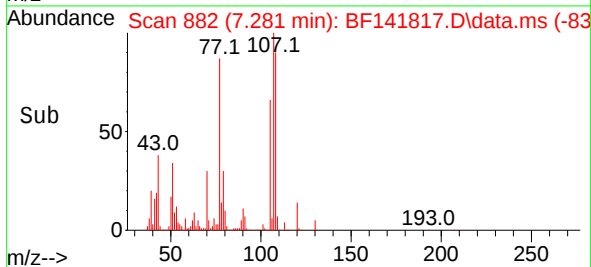
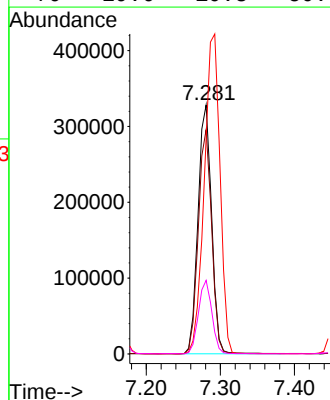
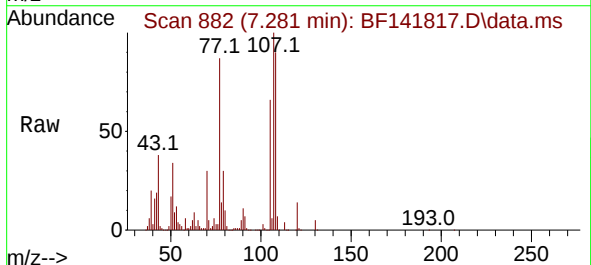
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

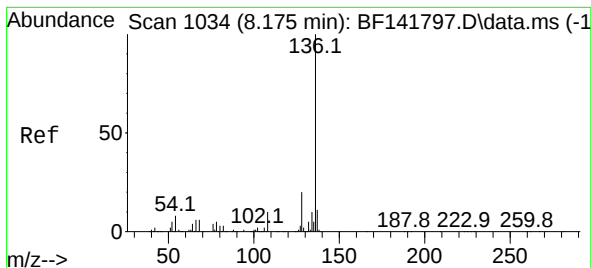
Tgt Ion: 70 Resp: 300569
Ion Ratio Lower Upper
70 100
42 58.3 45.4 68.0
101 9.8 7.8 11.8
130 20.4 16.6 24.8



#20
3+4-Methylphenols
Concen: 45.450 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:107 Resp: 417230
Ion Ratio Lower Upper
107 100
108 90.1 69.7 109.7
77 86.6 58.3 98.3
79 29.6 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

Tgt Ion:136 Resp: 519516

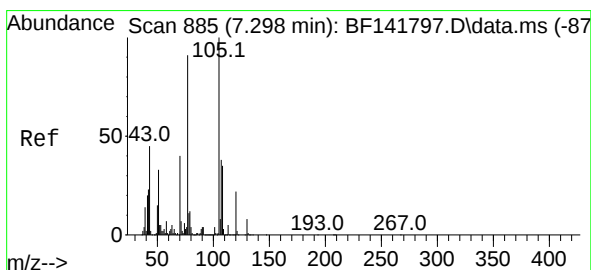
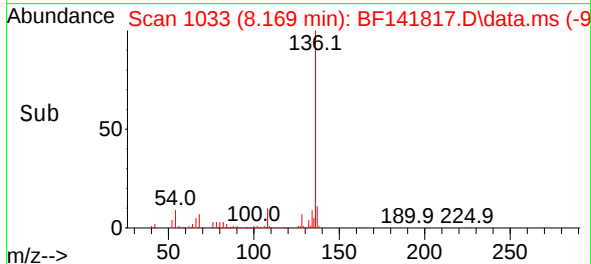
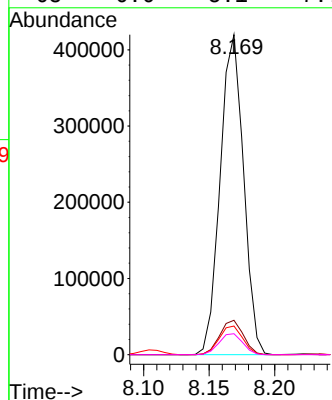
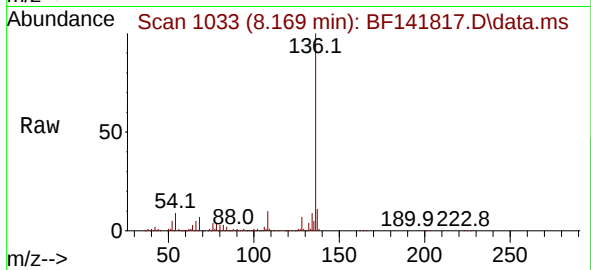
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.9 6.9 10.3

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 48.993 ng

RT: 7.292 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Tgt Ion:105 Resp: 619898

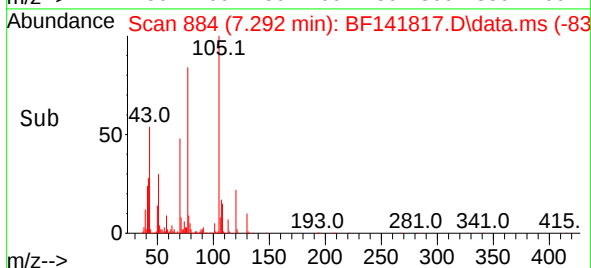
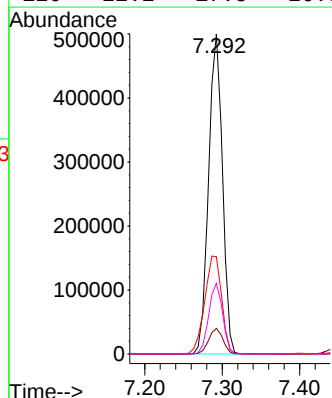
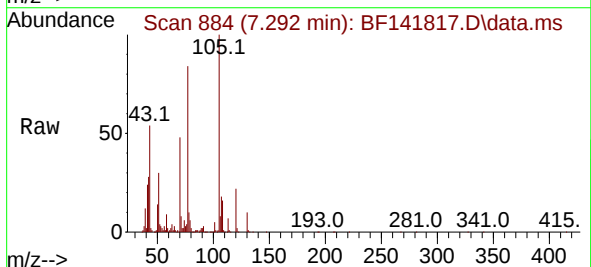
Ion Ratio Lower Upper

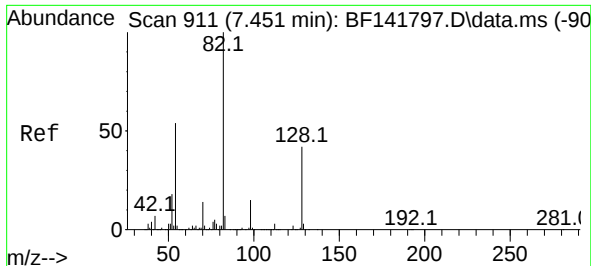
105 100

71 8.0 5.4 8.0

51 30.4 26.1 39.1

120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 113.414 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

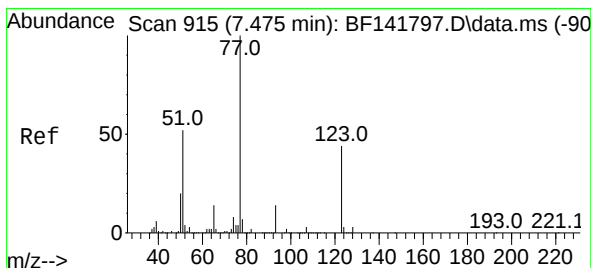
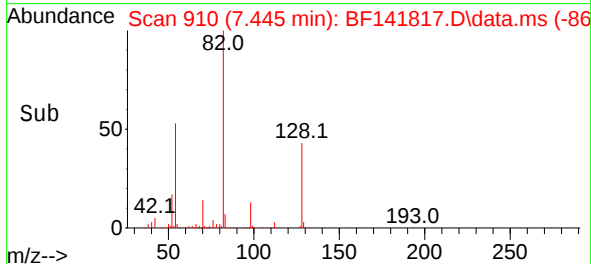
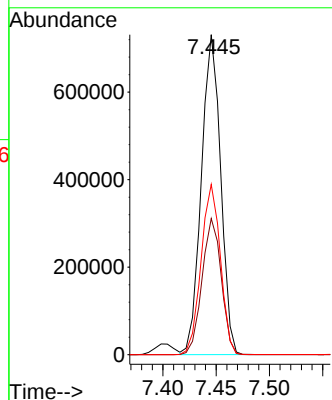
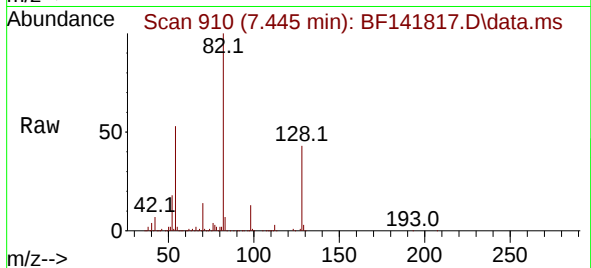
Tgt Ion: 82 Resp: 921778

Ion Ratio Lower Upper

82 100

128 42.6 33.5 50.3

54 53.2 42.7 64.1



#24

Nitrobenzene

Concen: 48.143 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

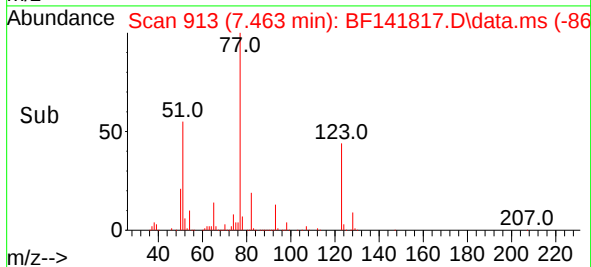
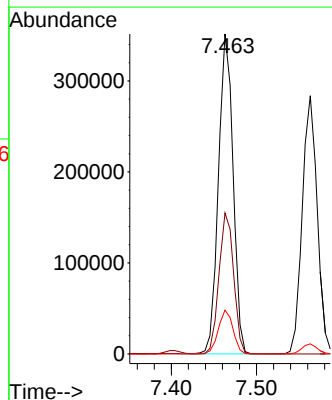
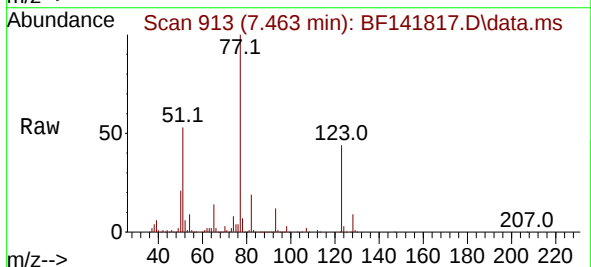
Tgt Ion: 77 Resp: 419014

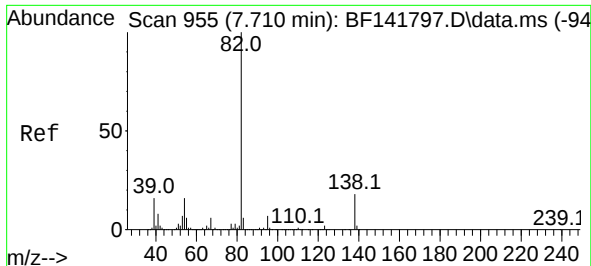
Ion Ratio Lower Upper

77 100

123 44.0 35.8 53.8

65 13.7 11.2 16.8

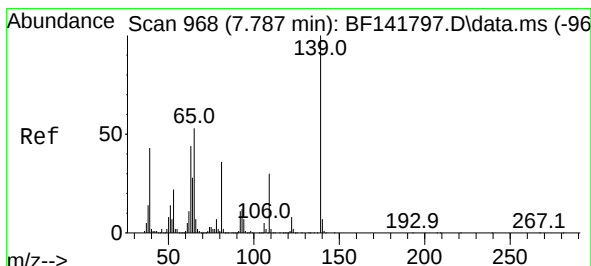
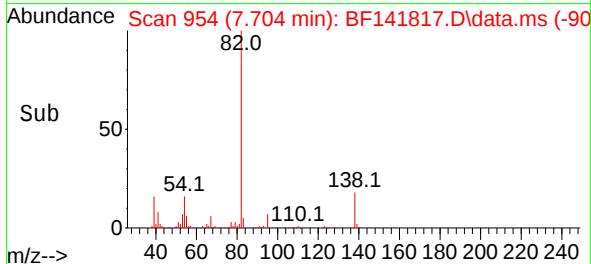
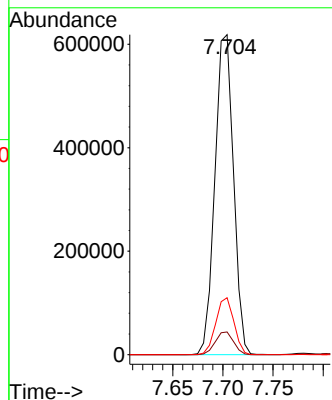
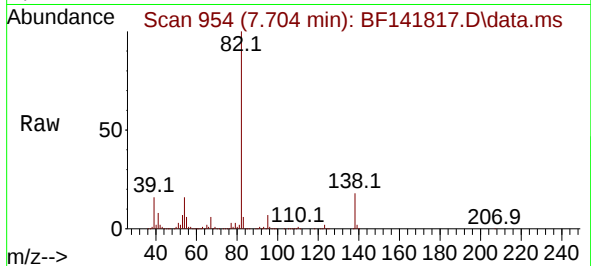




#25
Isophorone
Concen: 45.667 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

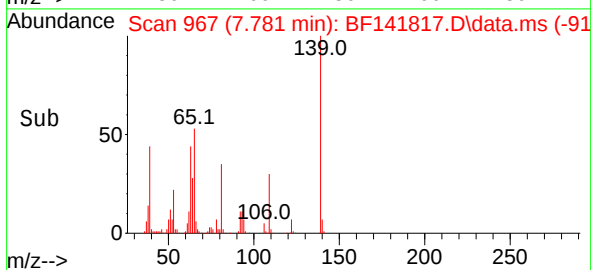
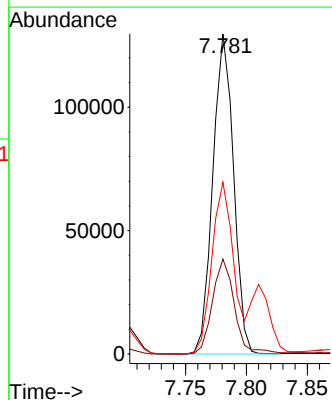
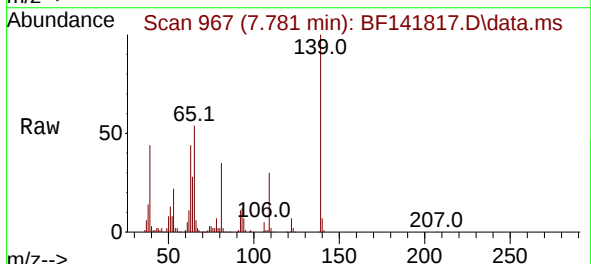
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

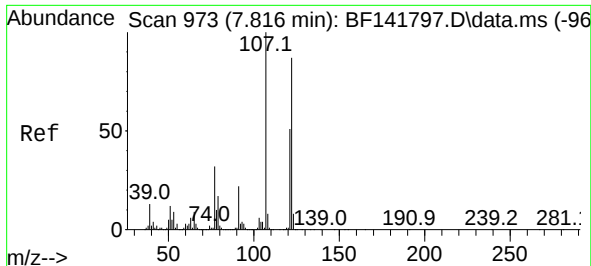
Tgt Ion: 82 Resp: 797398
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 17.8 14.0 21.0



#26
2-Nitrophenol
Concen: 40.256 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:139 Resp: 153364
Ion Ratio Lower Upper
139 100
109 29.7 24.1 36.1
65 53.7 42.3 63.5

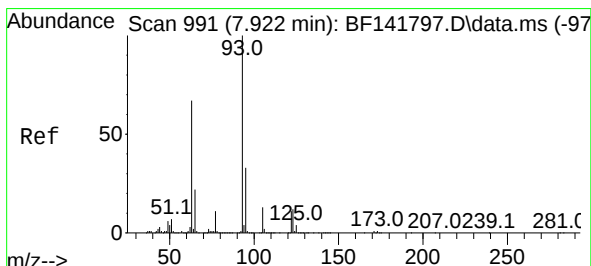
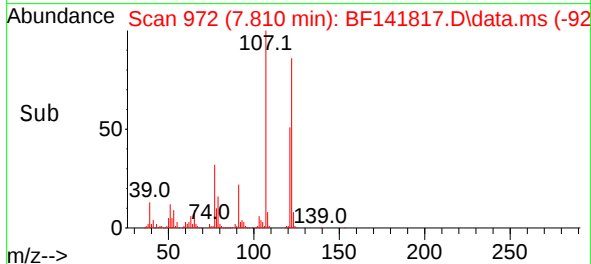
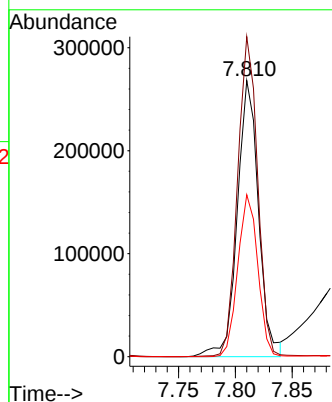
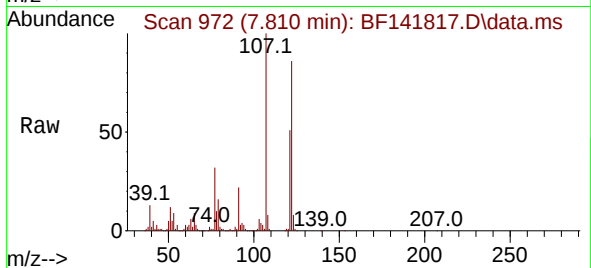




#27
2,4-Dimethylphenol
Concen: 54.313 ng
RT: 7.810 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

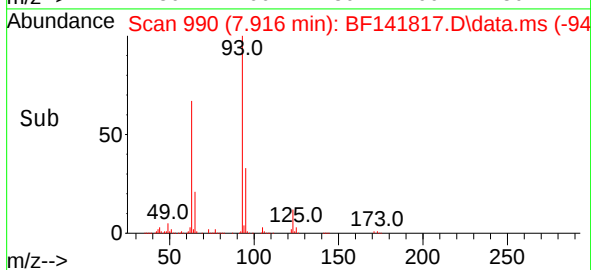
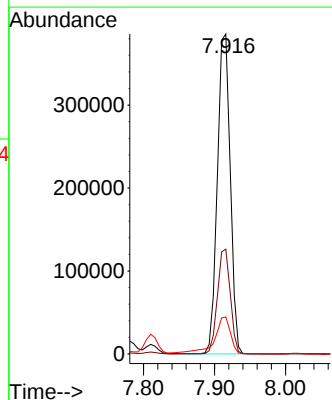
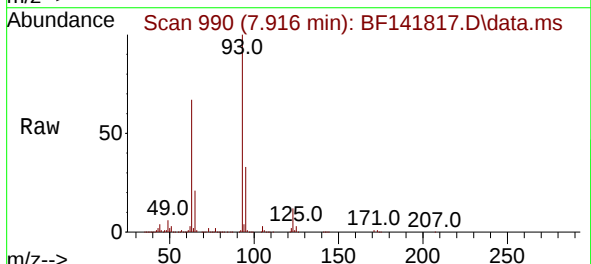
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

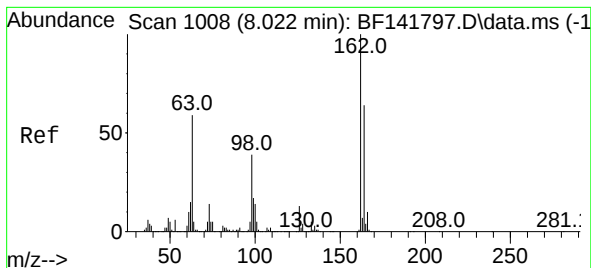
Tgt Ion:122 Resp: 348608
Ion Ratio Lower Upper
122 100
107 115.9 92.5 138.7
121 58.6 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 43.508 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion: 93 Resp: 484615
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 11.6 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 44.529 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

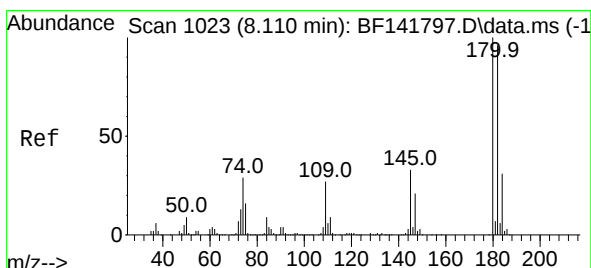
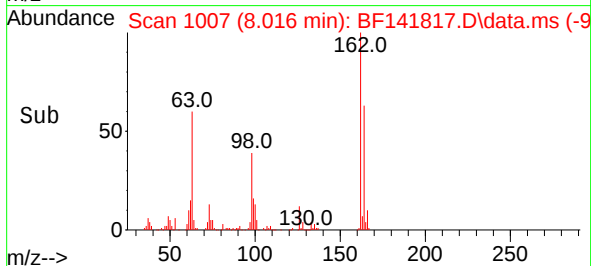
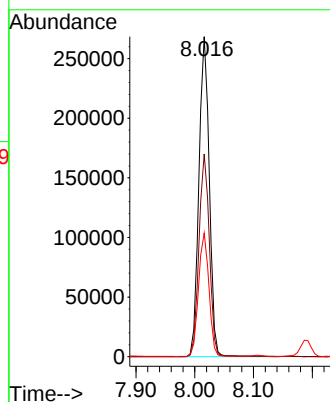
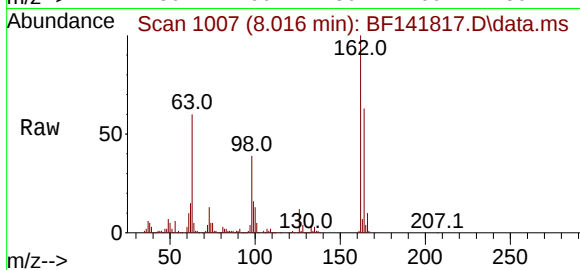
Tgt Ion:162 Resp: 329725

Ion Ratio Lower Upper

162 100

164 63.3 44.3 84.3

98 38.7 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 42.206 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

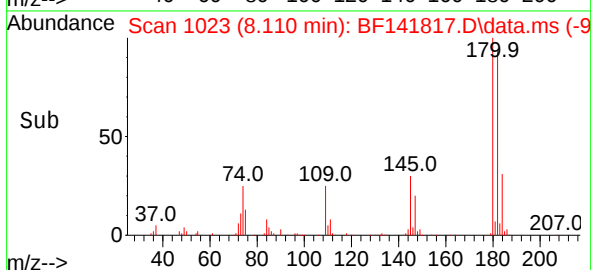
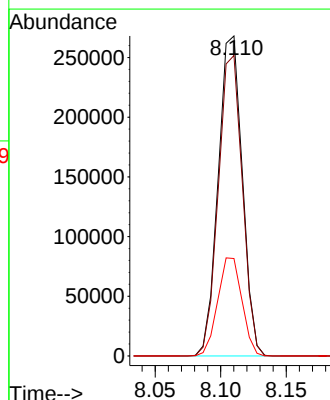
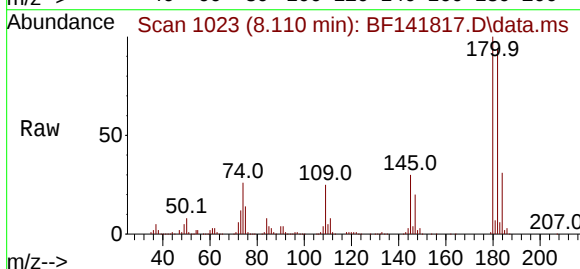
Tgt Ion:180 Resp: 342449

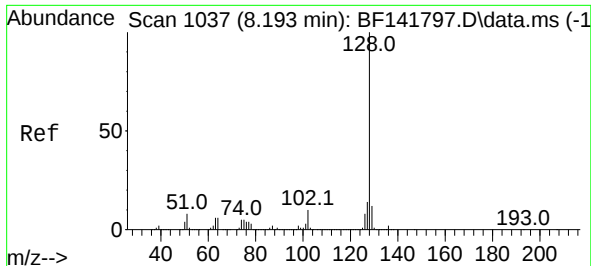
Ion Ratio Lower Upper

180 100

182 93.9 76.8 115.2

145 30.5 26.4 39.6

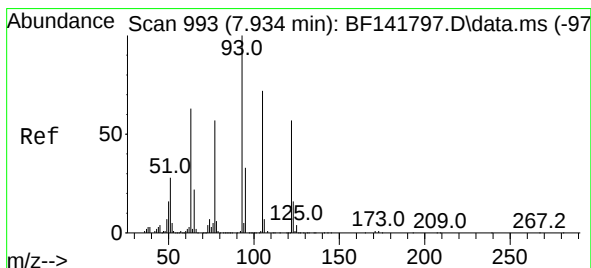
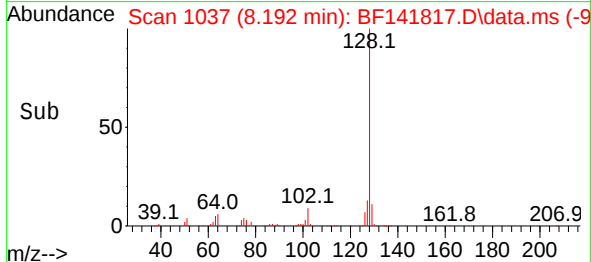
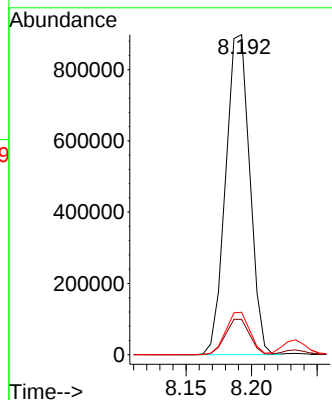
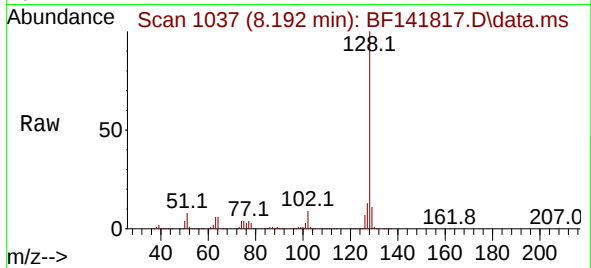




#31
Naphthalene
Concen: 43.031 ng
RT: 8.192 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

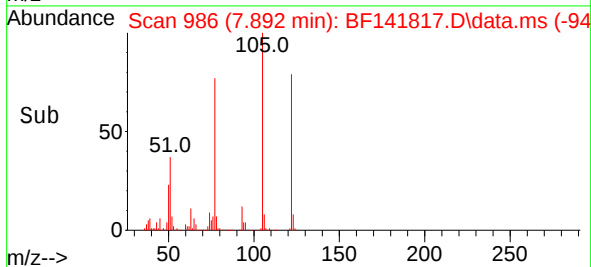
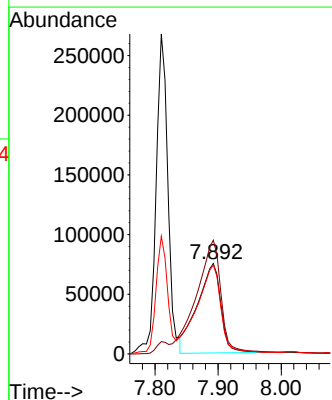
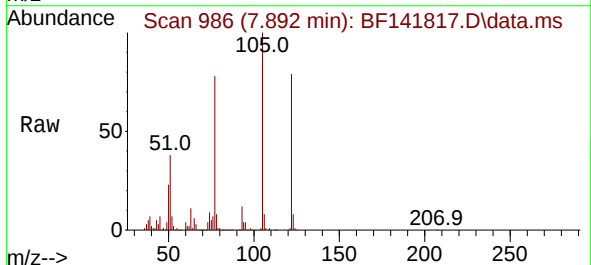
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

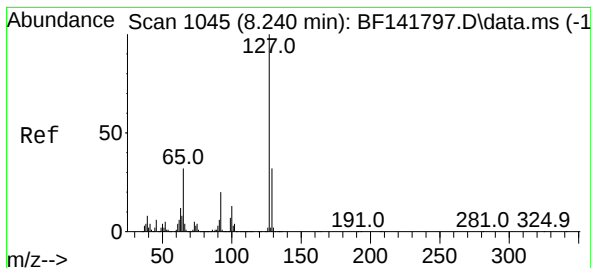
Tgt Ion:128 Resp: 1148976
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.3 11.0 16.4



#32
Benzoic acid
Concen: 38.304 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.042 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:122 Resp: 195290
Ion Ratio Lower Upper
122 100
105 125.9 105.8 145.8
77 98.6 79.9 119.9





#33

4-Chloroaniline

Concen: 4.974 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

Tgt Ion:127 Resp: 48694

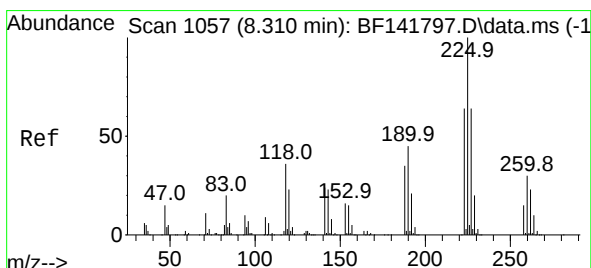
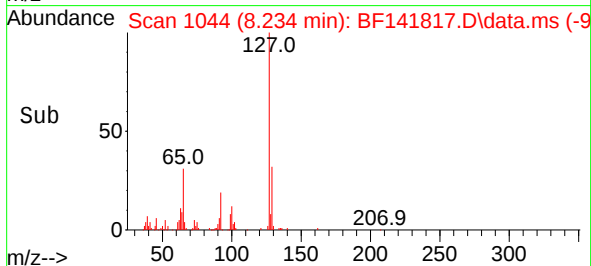
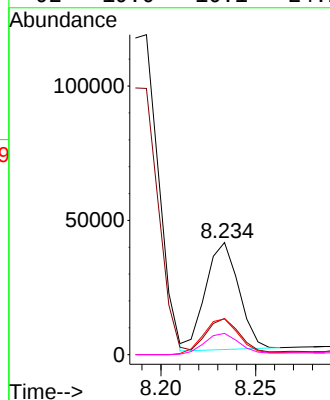
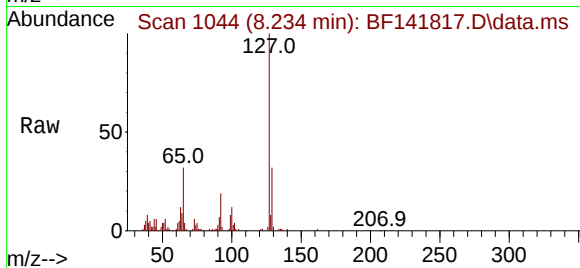
Ion Ratio Lower Upper

127 100

129 32.2 26.1 39.1

65 32.0 25.7 38.5

92 19.0 16.1 24.1



#34

Hexachlorobutadiene

Concen: 40.571 ng

RT: 8.310 min Scan# 1057

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

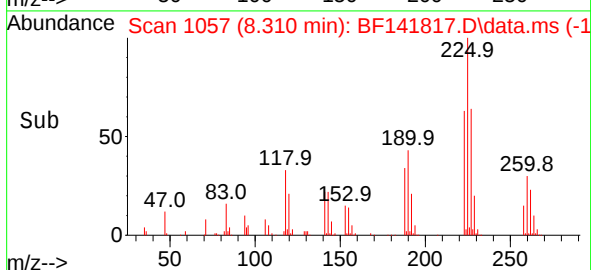
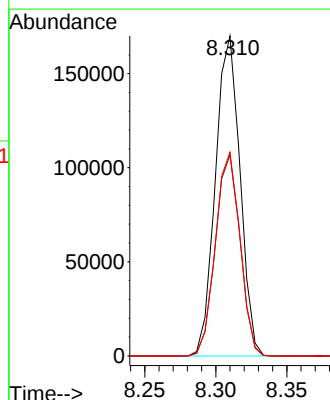
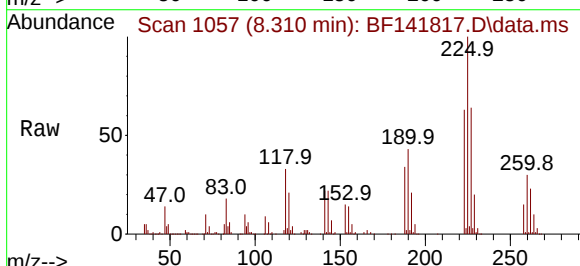
Tgt Ion:225 Resp: 204562

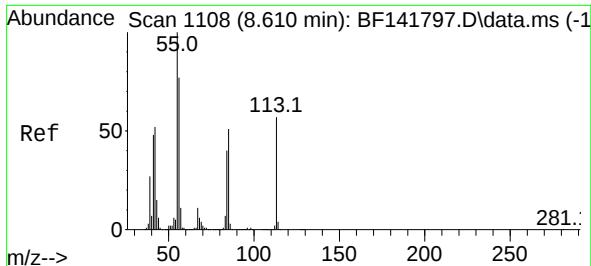
Ion Ratio Lower Upper

225 100

223 62.8 51.4 77.2

227 63.7 51.6 77.4





#35

Caprolactam

Concen: 31.903 ng

RT: 8.581 min Scan# 1103

Delta R.T. -0.030 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

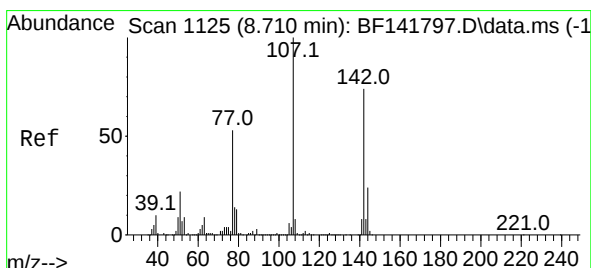
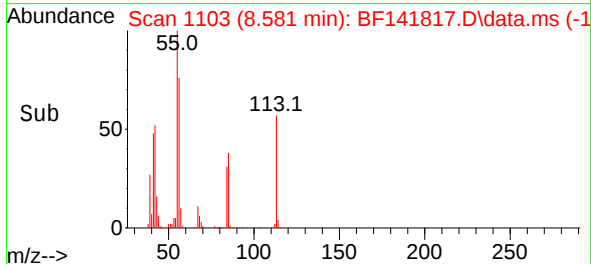
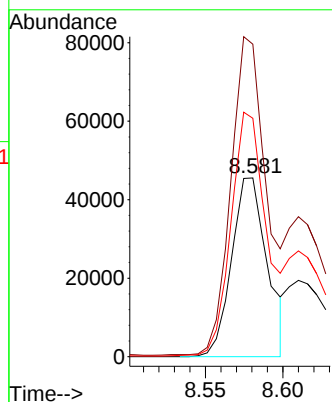
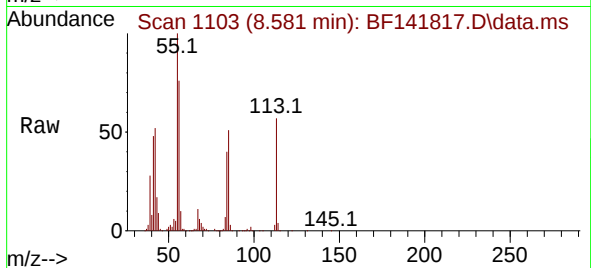
Tgt Ion:113 Resp: 72673

Ion Ratio Lower Upper

113 100

55 174.9 155.6 195.6

56 133.4 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 44.467 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

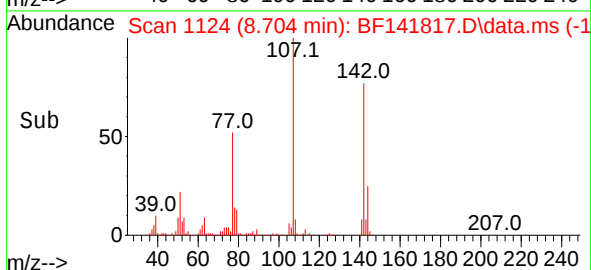
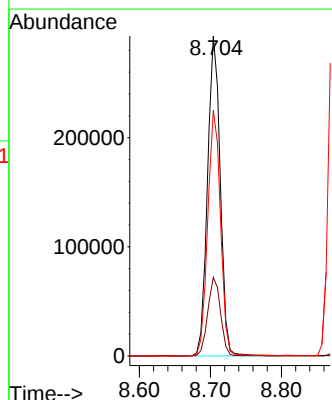
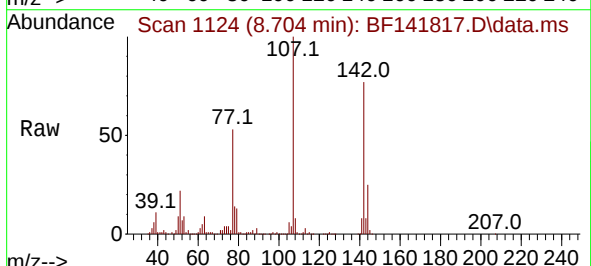
Tgt Ion:107 Resp: 365770

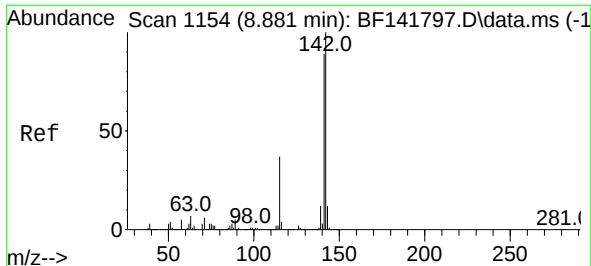
Ion Ratio Lower Upper

107 100

144 24.6 19.4 29.0

142 76.8 59.4 89.0





#37

2-Methylnaphthalene

Concen: 42.387 ng

RT: 8.881 min Scan# 1154

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

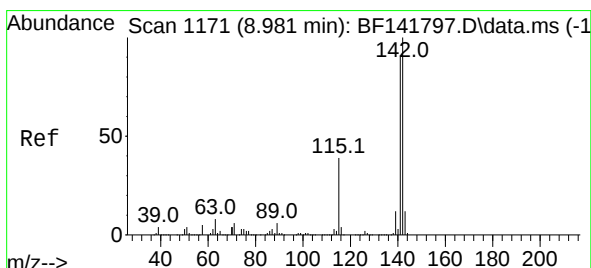
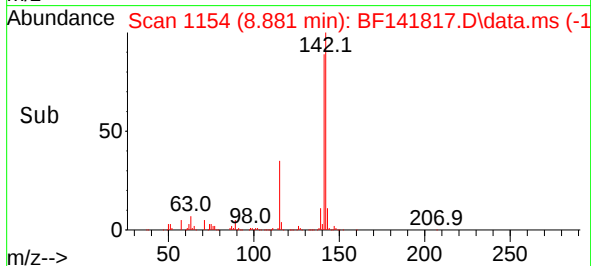
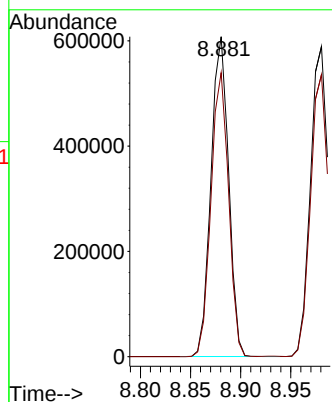
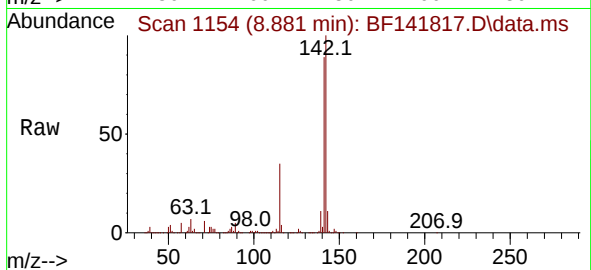
SP-SOILMSD

Tgt Ion:142 Resp: 742339

Ion Ratio Lower Upper

142 100

141 88.7 71.1 106.7



#38

1-Methylnaphthalene

Concen: 43.419 ng

RT: 8.981 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141817.D

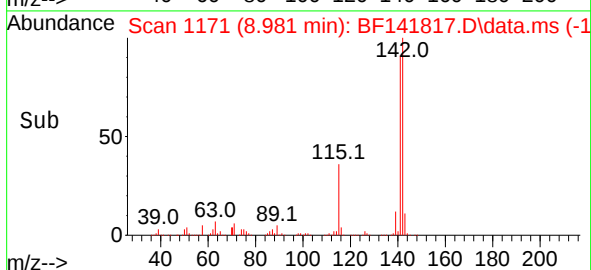
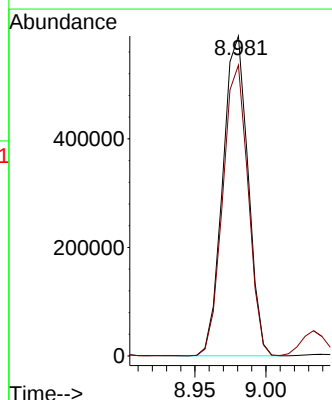
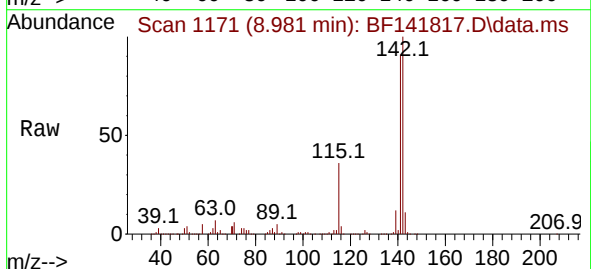
Acq: 03 Mar 2025 17:17

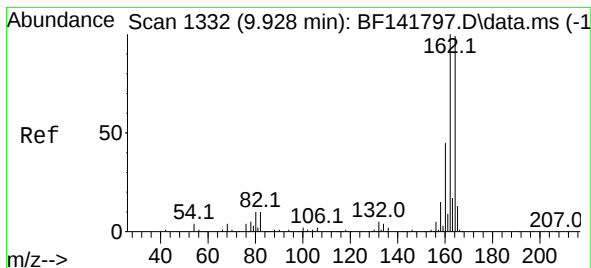
Tgt Ion:142 Resp: 729644

Ion Ratio Lower Upper

142 100

141 90.9 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: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

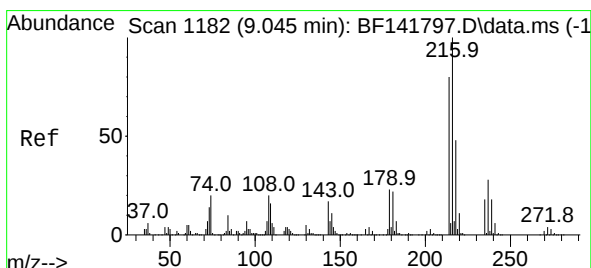
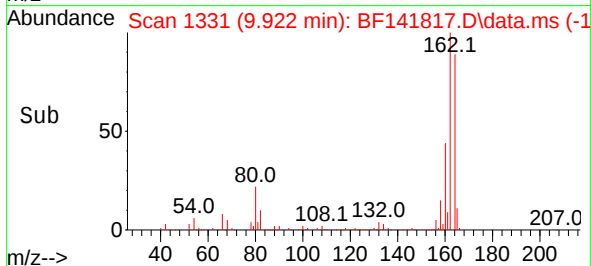
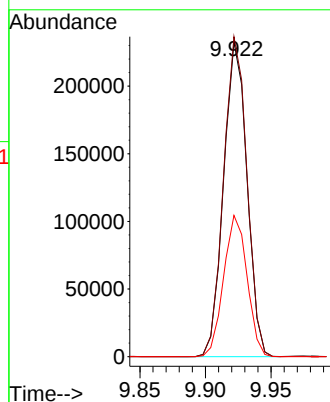
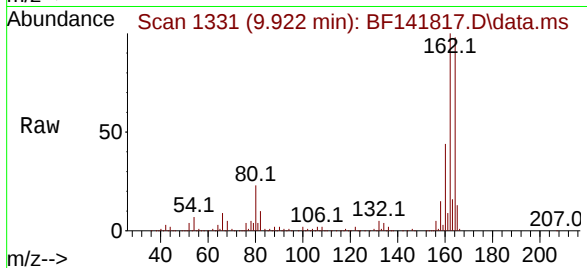
Tgt Ion:164 Resp: 287643

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

160 44.9 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.159 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Tgt Ion:216 Resp: 391773

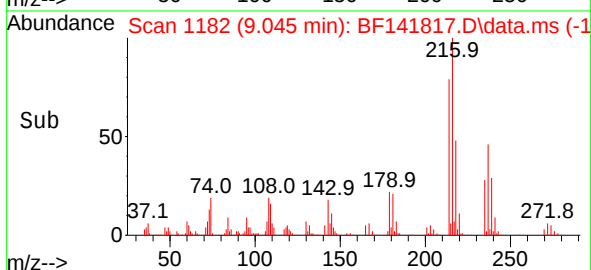
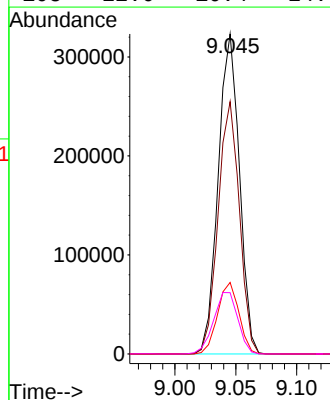
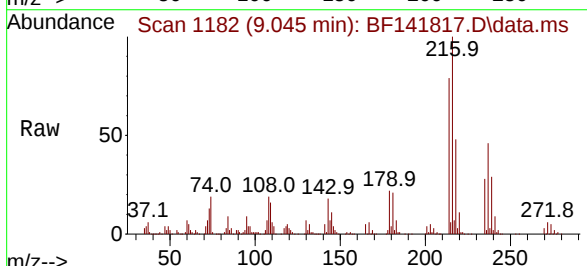
Ion Ratio Lower Upper

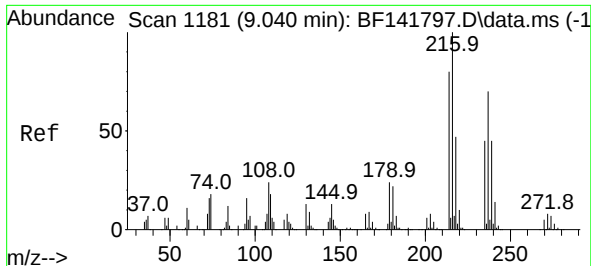
216 100

214 79.0 63.5 95.3

179 22.5 18.1 27.1

108 22.0 16.4 24.6

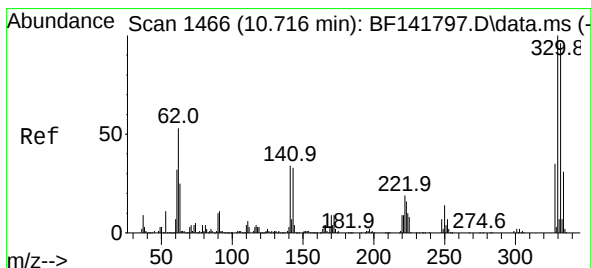
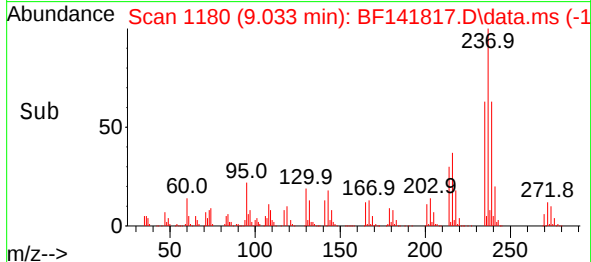
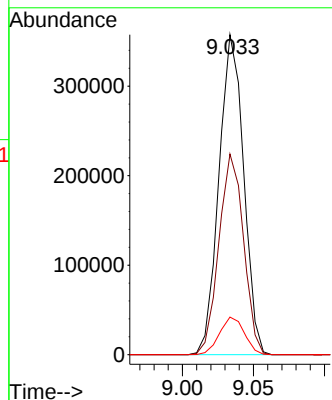
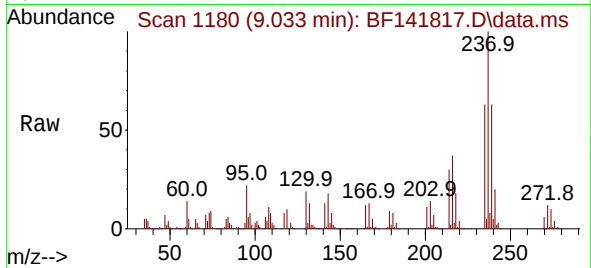




#41
Hexachlorocyclopentadiene
Concen: 124.600 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

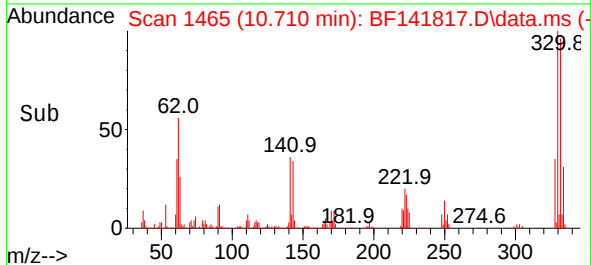
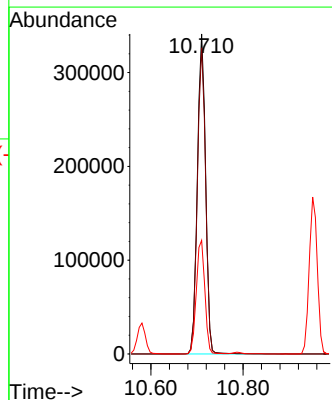
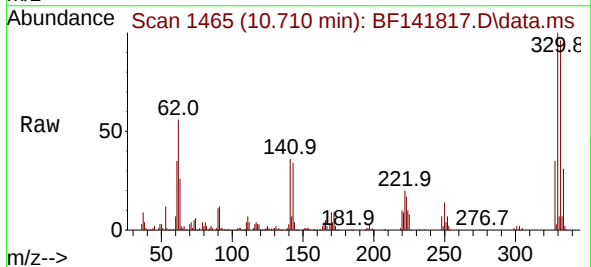
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

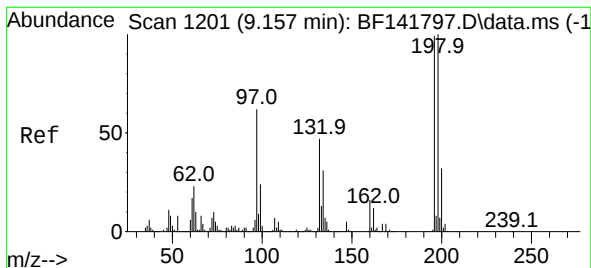
Tgt Ion:237 Resp: 431979
Ion Ratio Lower Upper
237 100
235 62.7 43.3 83.3
272 11.8 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 156.509 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:330 Resp: 422643
Ion Ratio Lower Upper
330 100
332 95.9 76.6 115.0
141 36.8 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 43.889 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

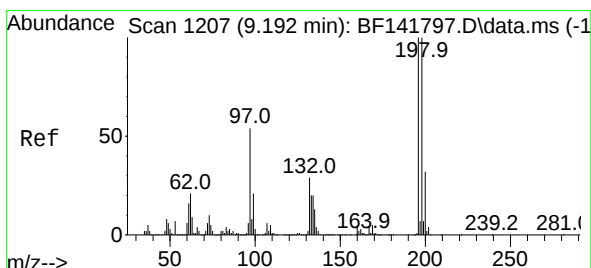
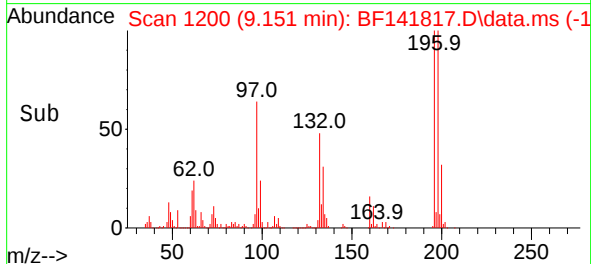
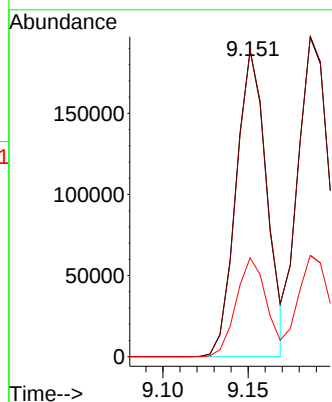
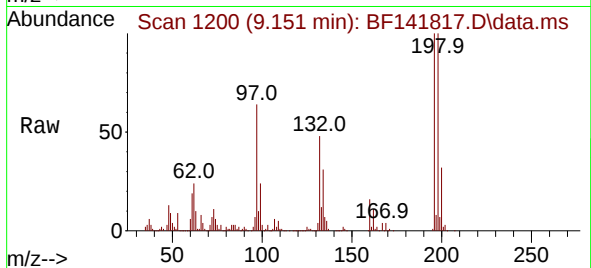
Tgt Ion:196 Resp: 235520

Ion Ratio Lower Upper

196 100

198 100.0 80.4 120.6

200 32.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 48.014 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Tgt Ion:196 Resp: 255139

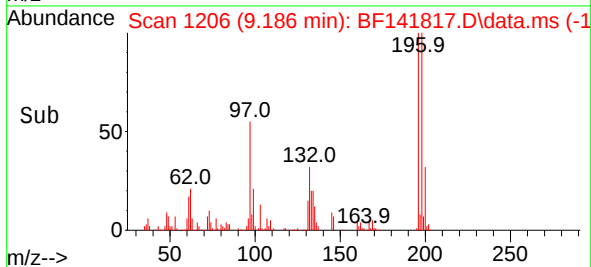
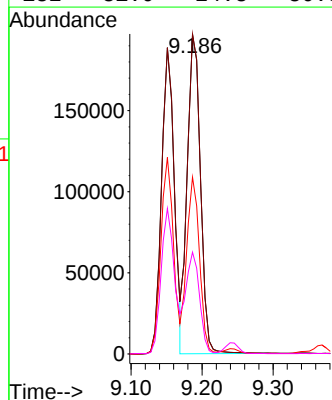
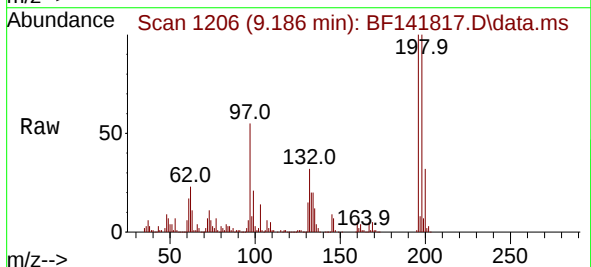
Ion Ratio Lower Upper

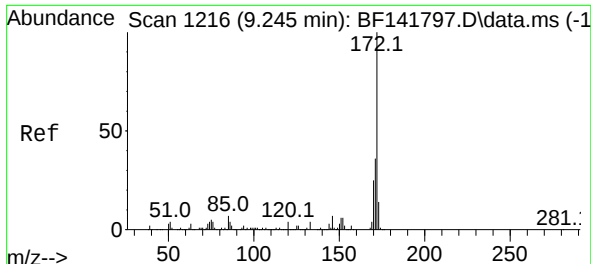
196 100

198 100.1 79.7 119.5

97 55.3 44.2 66.2

132 31.9 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 97.459 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

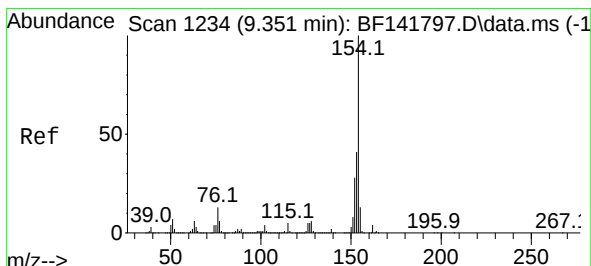
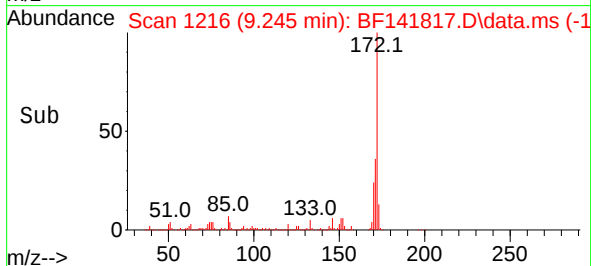
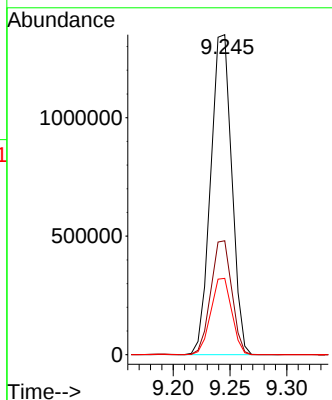
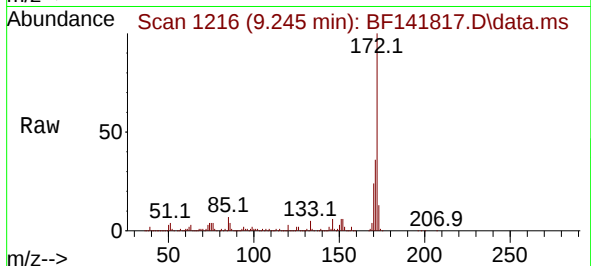
Tgt Ion:172 Resp: 1748319

Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

170 23.8 19.7 29.5



#46

1,1'-Biphenyl

Concen: 49.552 ng

RT: 9.345 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

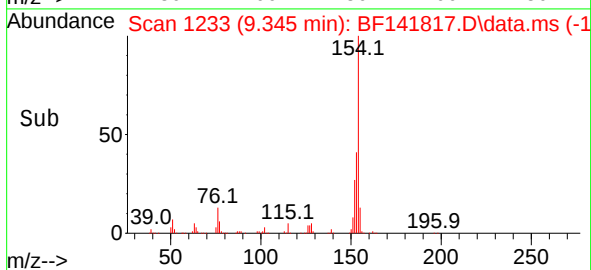
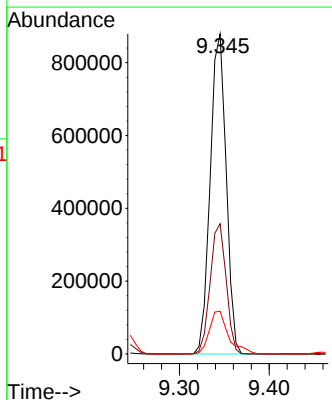
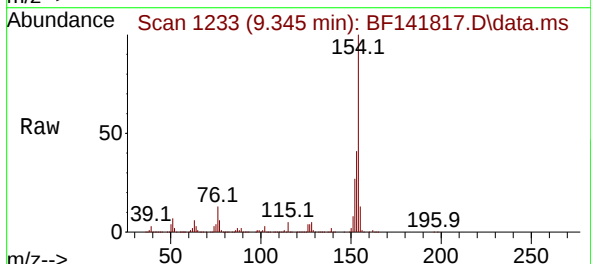
Tgt Ion:154 Resp: 1084913

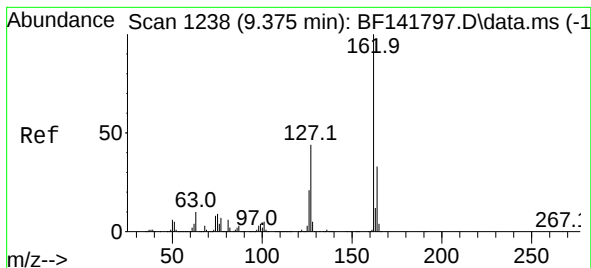
Ion Ratio Lower Upper

154 100

153 40.7 21.4 61.4

76 13.4 0.0 33.4





#47

2-Chloronaphthalene

Concen: 45.365 ng

RT: 9.369 min Scan# 1237

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

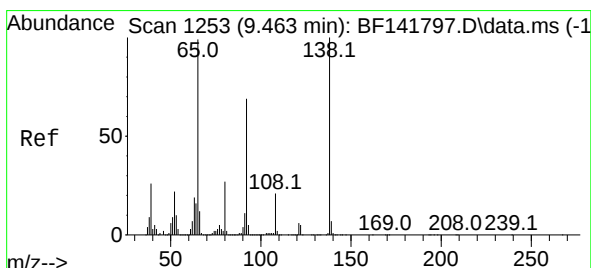
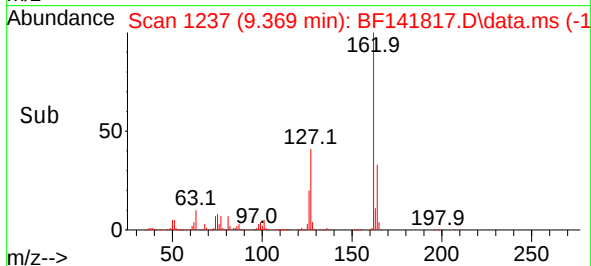
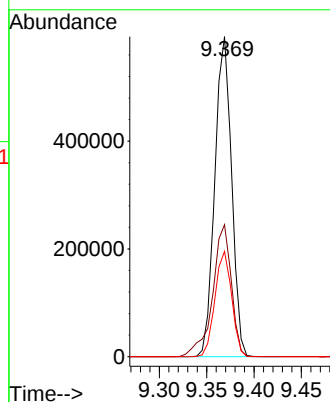
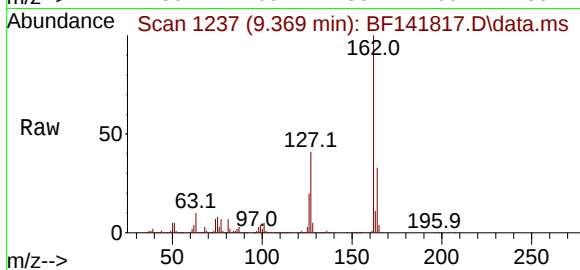
Tgt Ion:162 Resp: 733084

Ion Ratio Lower Upper

162 100

127 41.3 35.0 52.6

164 32.9 26.6 40.0



#48

2-Nitroaniline

Concen: 50.550 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

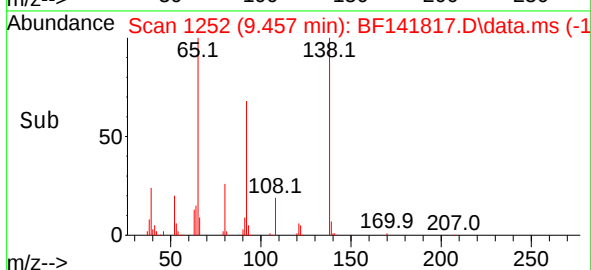
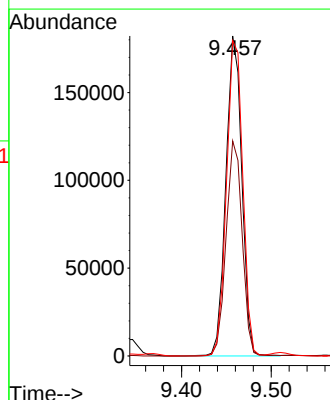
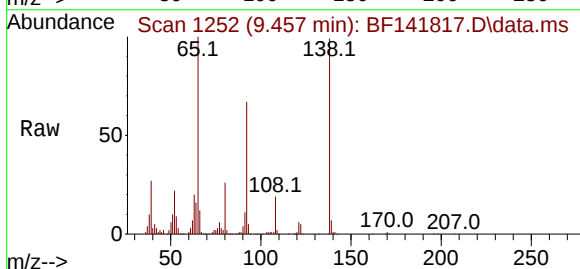
Tgt Ion: 65 Resp: 224719

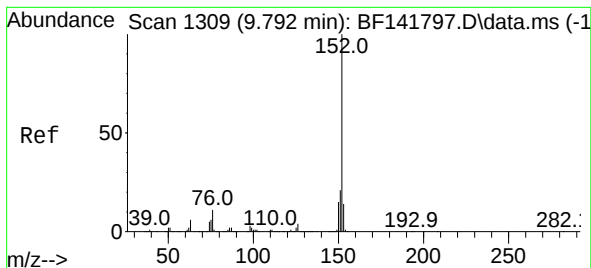
Ion Ratio Lower Upper

65 100

92 67.2 55.7 83.5

138 98.6 80.6 121.0





#49

Acenaphthylene

Concen: 48.907 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

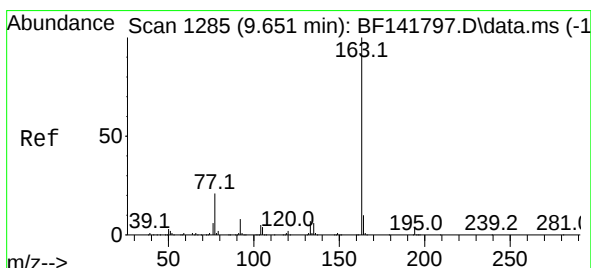
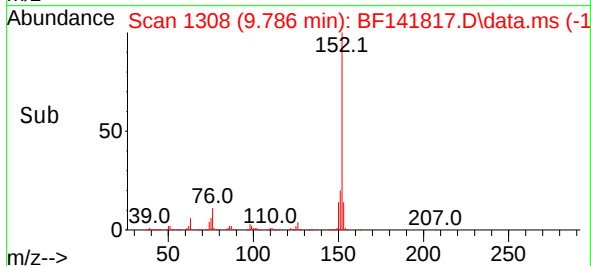
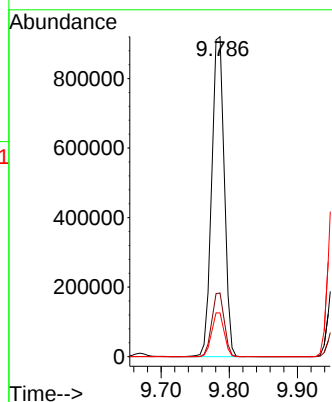
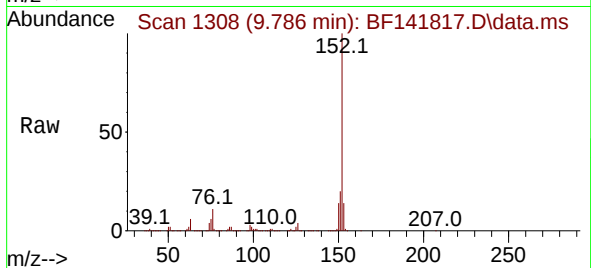
Tgt Ion:152 Resp: 1184945

Ion Ratio Lower Upper

152 100

151 19.9 16.6 24.8

153 13.6 11.2 16.8



#50

Dimethylphthalate

Concen: 47.090 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

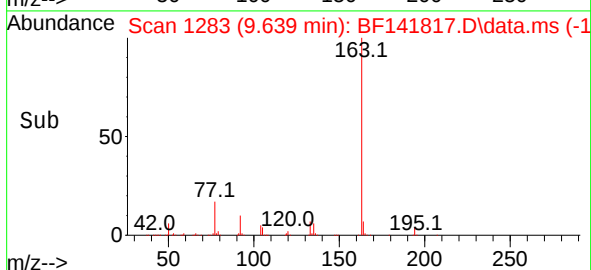
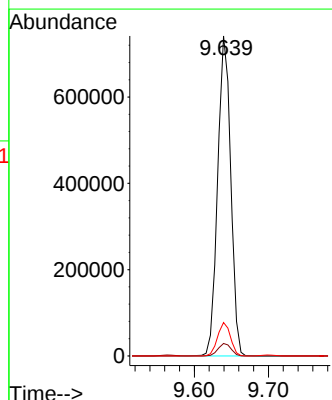
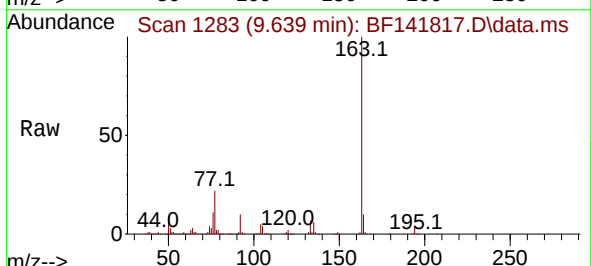
Tgt Ion:163 Resp: 907095

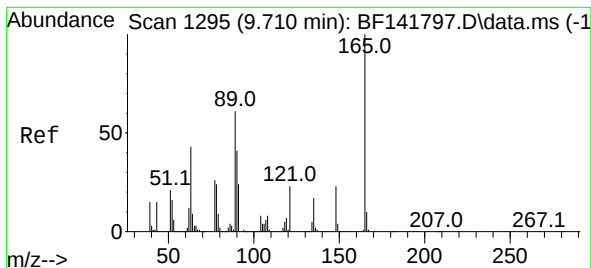
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.4 8.4 12.6

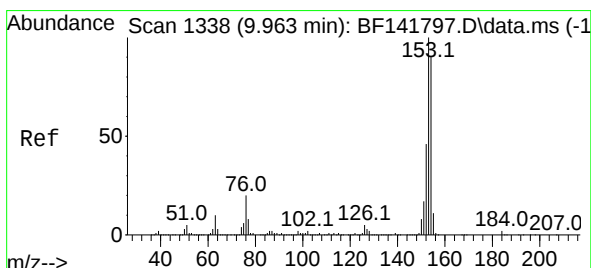
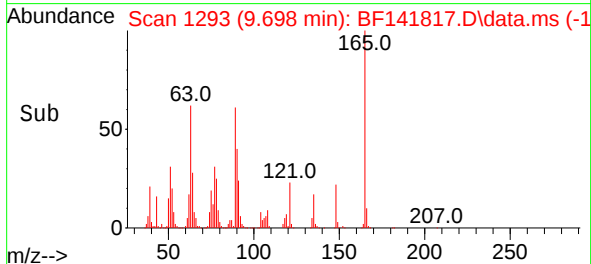
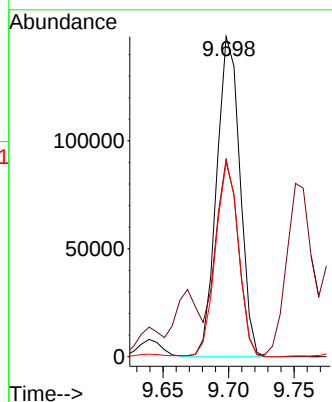
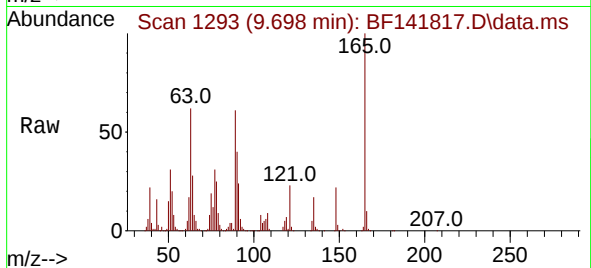




#51
2,6-Dinitrotoluene
Concen: 49.599 ng
RT: 9.698 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

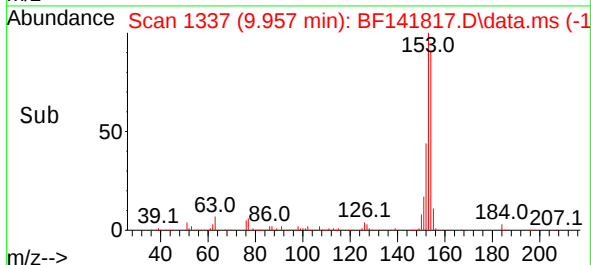
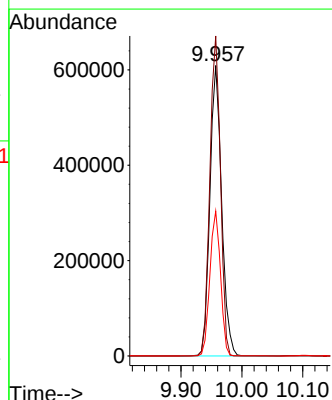
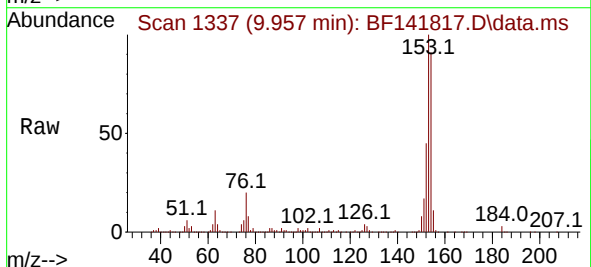
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

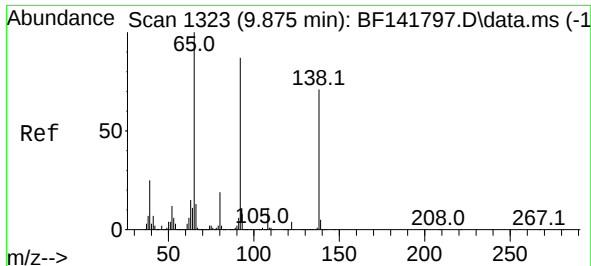
Tgt Ion:165 Resp: 183140
Ion Ratio Lower Upper
165 100
63 61.6 49.5 74.3
89 60.8 49.0 73.4



#52
Acenaphthene
Concen: 49.969 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:154 Resp: 816895
Ion Ratio Lower Upper
154 100
153 110.2 88.7 133.1
152 49.9 40.9 61.3





#53

3-Nitroaniline

Concen: 22.699 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

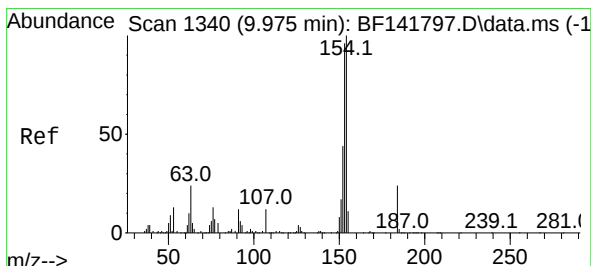
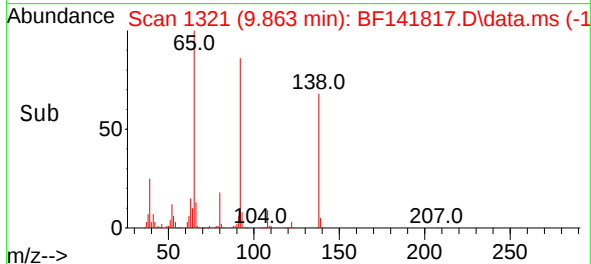
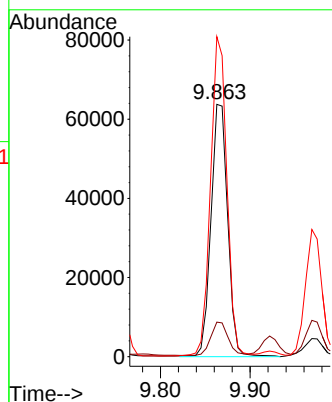
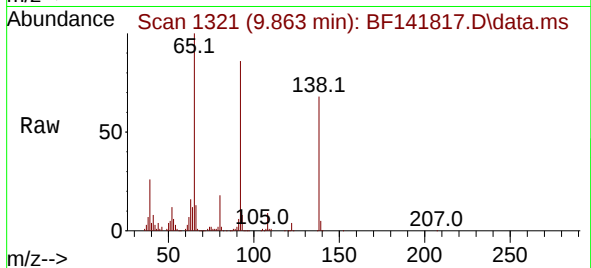
Tgt Ion:138 Resp: 82555

Ion Ratio Lower Upper

138 100

108 13.7 12.7 19.1

92 126.8 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 86.585 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

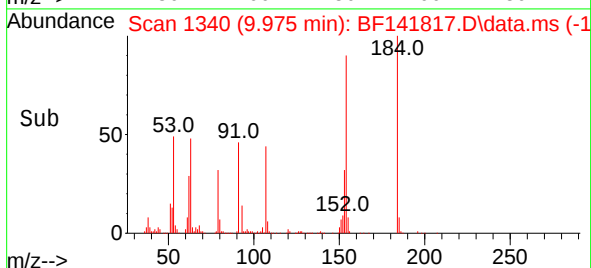
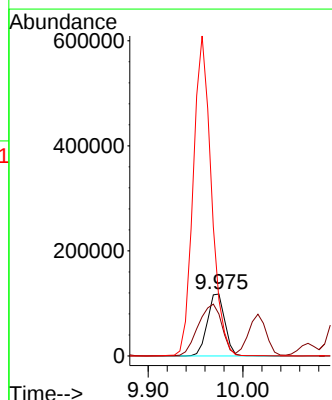
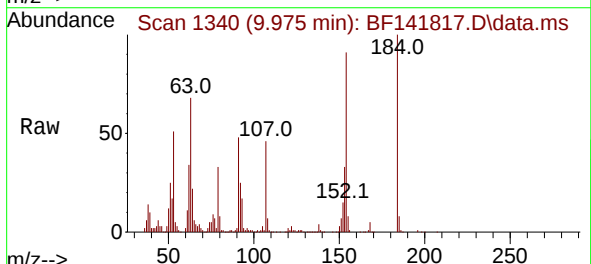
Tgt Ion:184 Resp: 150792

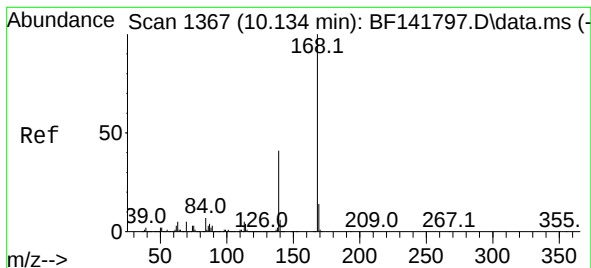
Ion Ratio Lower Upper

184 100

63 67.5 79.0 118.6#

154 90.5 335.8 503.8#





#55

Dibenzenofuran

Concen: 45.442 ng

RT: 10.128 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

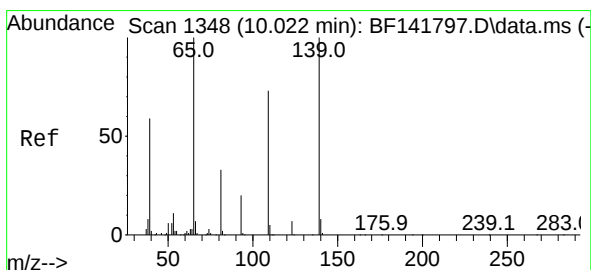
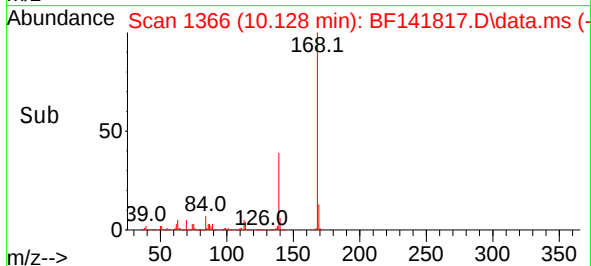
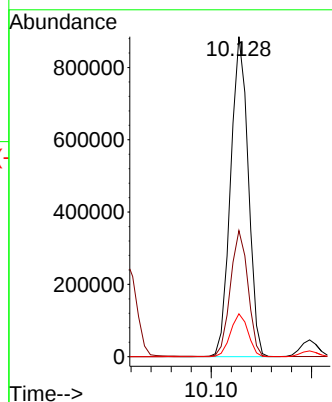
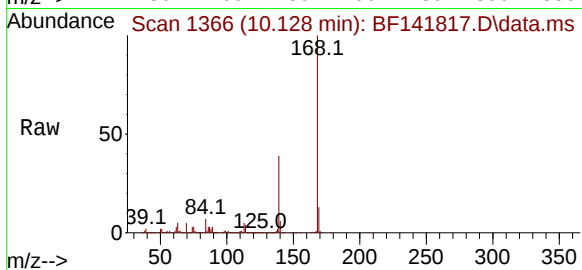
Tgt Ion:168 Resp: 1081270

Ion Ratio Lower Upper

168 100

139 39.4 32.9 49.3

169 13.4 11.1 16.7



#56

4-Nitrophenol

Concen: 122.206 ng

RT: 10.016 min Scan# 1347

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

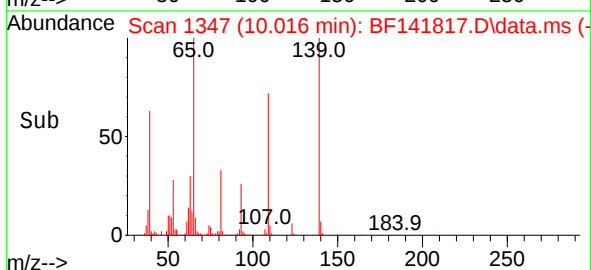
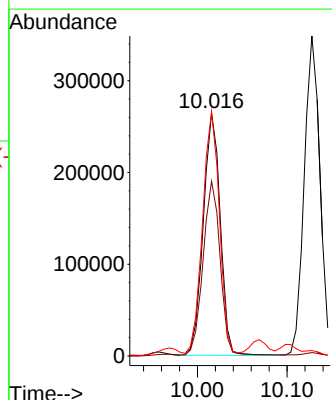
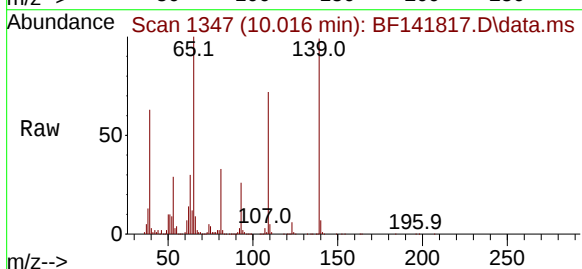
Tgt Ion:139 Resp: 347680

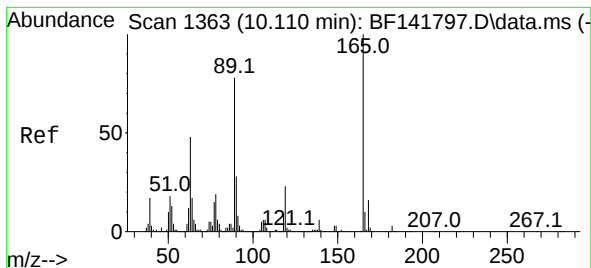
Ion Ratio Lower Upper

139 100

109 72.0 53.4 93.4

65 100.6 82.1 122.1

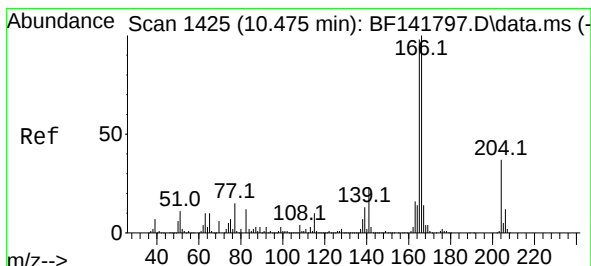
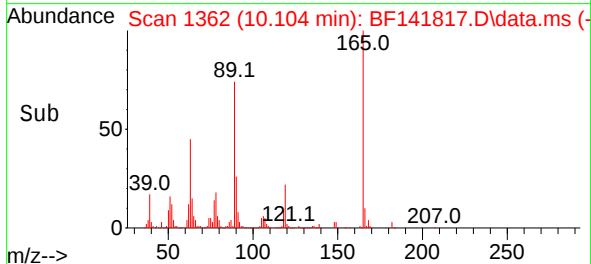
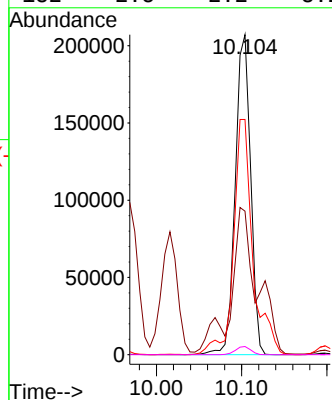
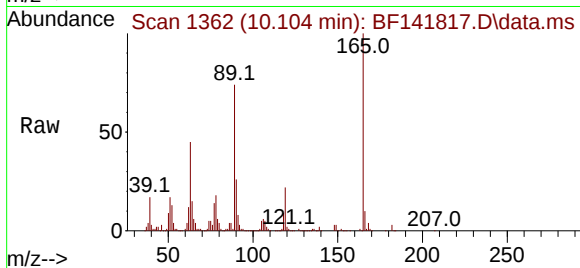




#57
2,4-Dinitrotoluene
Concen: 57.043 ng
RT: 10.104 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

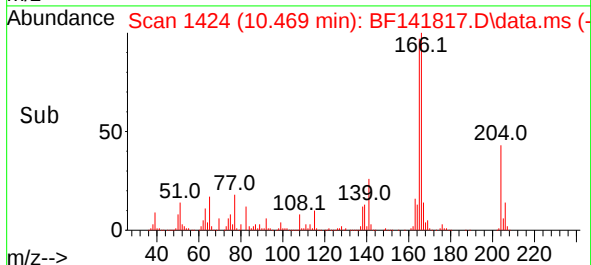
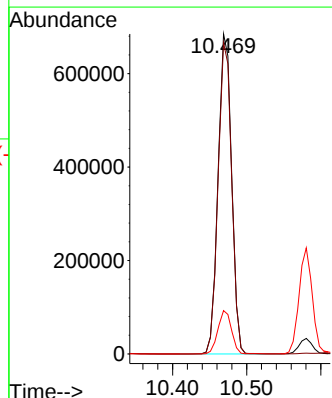
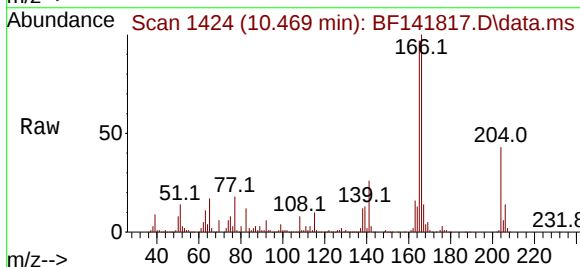
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

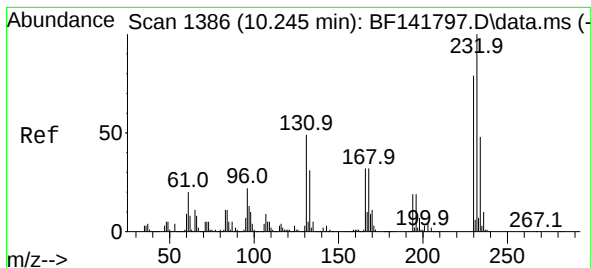
Tgt Ion:165 Resp: 259975
Ion Ratio Lower Upper
165 100
63 44.9 38.8 58.2
89 73.5 62.6 94.0
182 2.5 2.2 3.2



#58
Fluorene
Concen: 48.685 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

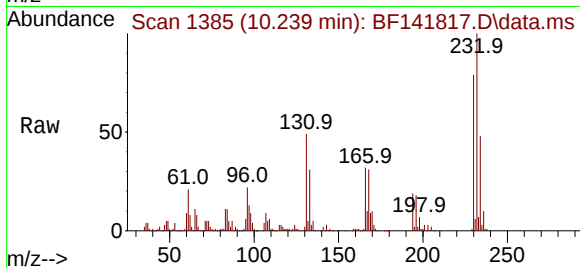
Tgt Ion:166 Resp: 867737
Ion Ratio Lower Upper
166 100
165 97.3 78.6 117.8
167 13.6 11.0 16.4



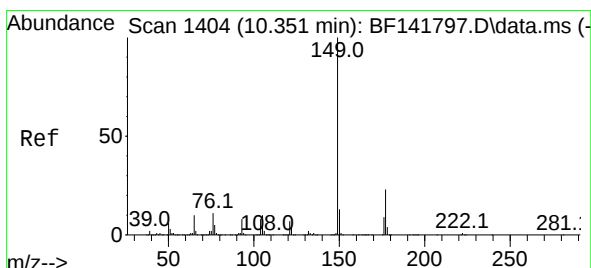
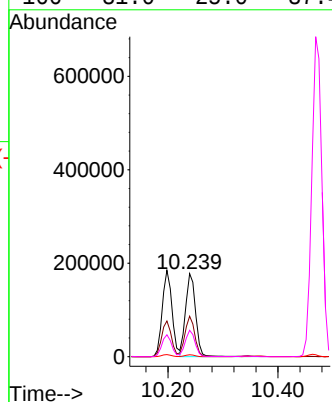
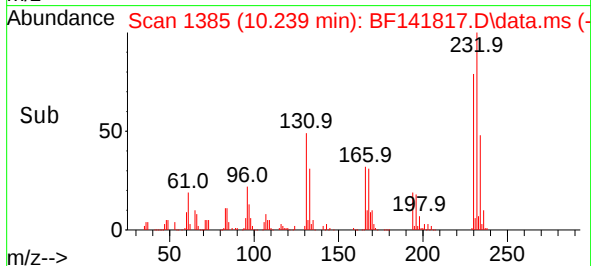


#59
2,3,4,6-Tetrachlorophenol
Concen: 48.470 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

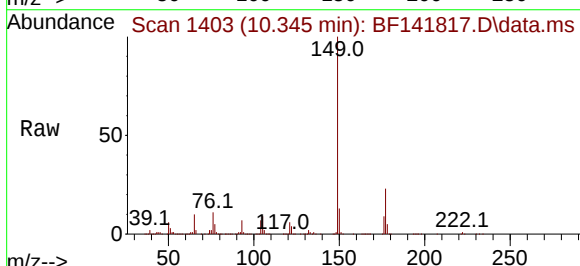
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD



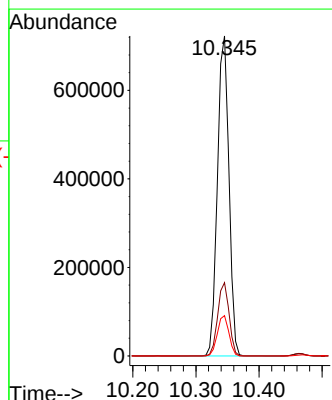
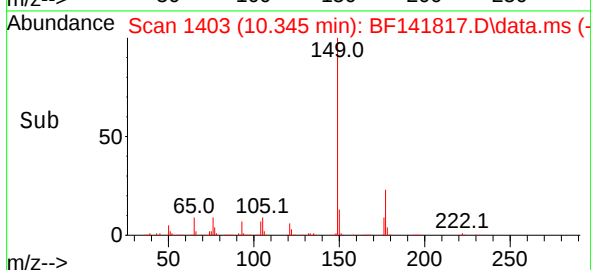
Tgt Ion:232 Resp: 224002
Ion Ratio Lower Upper
232 100
131 48.3 37.8 56.8
130 2.3 2.0 3.0
166 31.0 25.0 37.4

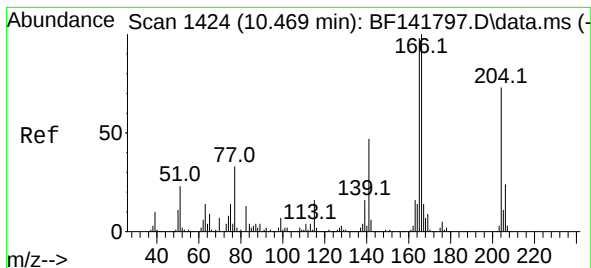


#60
Diethylphthalate
Concen: 47.189 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17



Tgt Ion:149 Resp: 911254
Ion Ratio Lower Upper
149 100
177 22.9 18.3 27.5
150 12.6 10.3 15.5

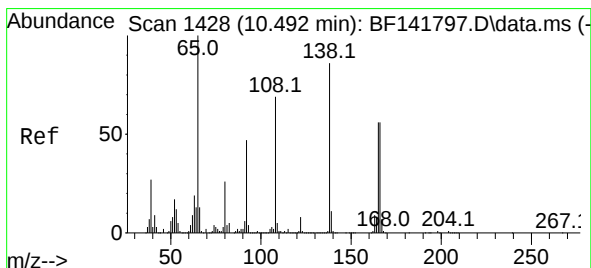
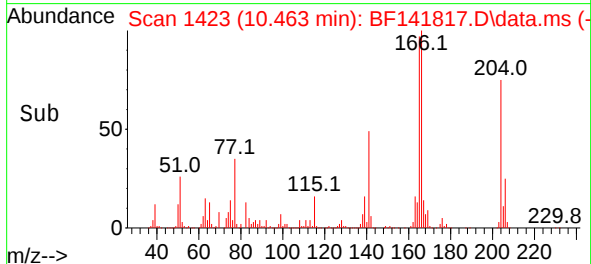
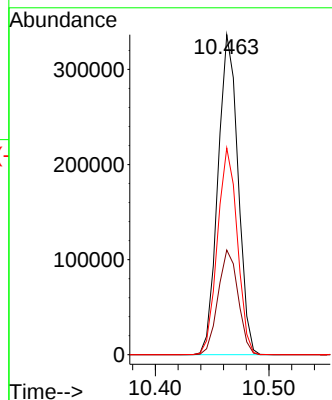
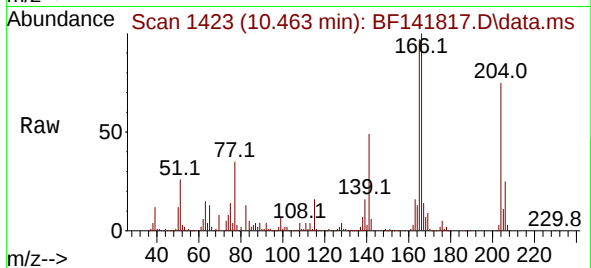




#61
4-Chlorophenyl-phenylether
Concen: 46.290 ng
RT: 10.463 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

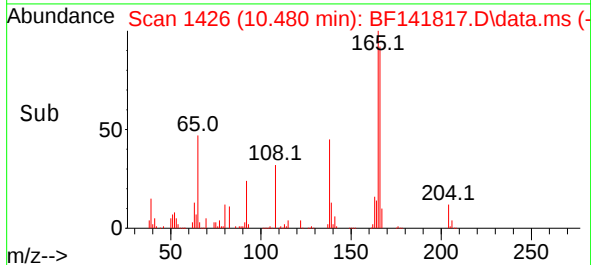
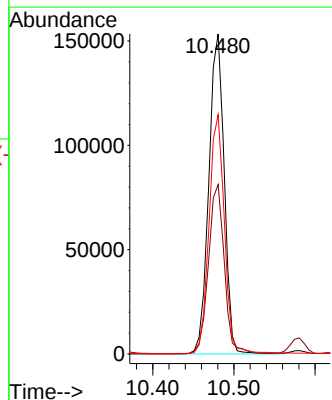
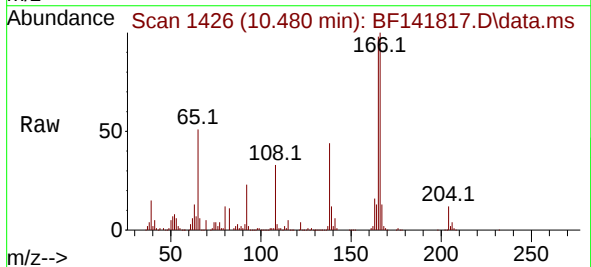
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

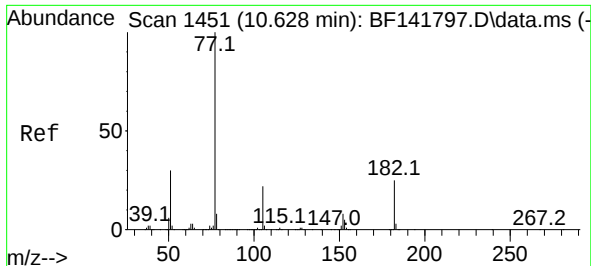
Tgt Ion:204 Resp: 413378
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 64.6 51.7 77.5



#62
4-Nitroaniline
Concen: 61.278 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:138 Resp: 201580
Ion Ratio Lower Upper
138 100
92 52.9 34.9 74.9
108 74.8 59.6 99.6

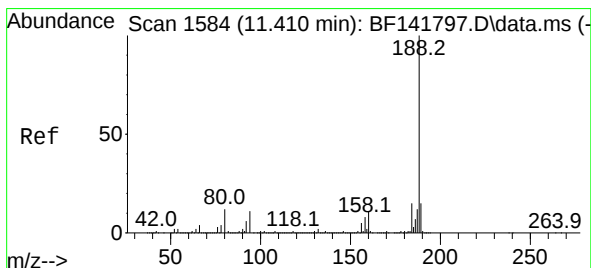
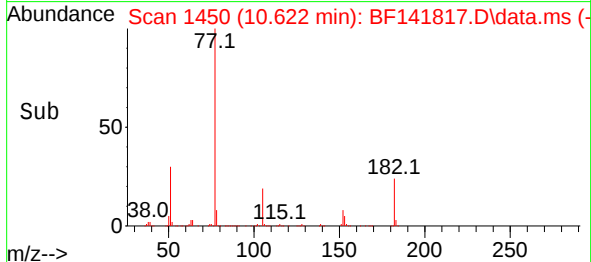
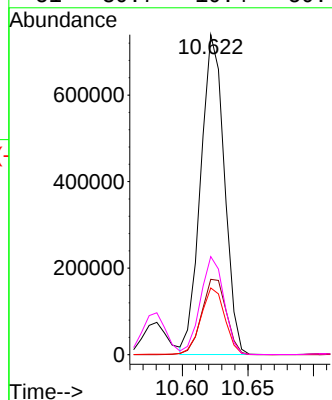
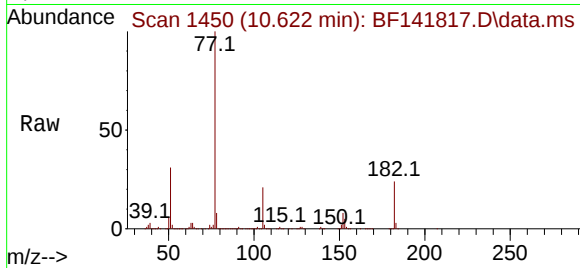




#63
 Azobenzene
 Concen: 45.737 ng
 RT: 10.622 min Scan# 1450
 Delta R.T. -0.006 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

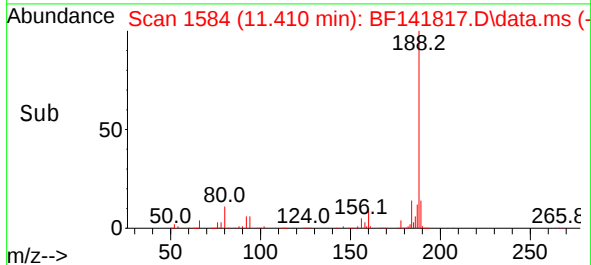
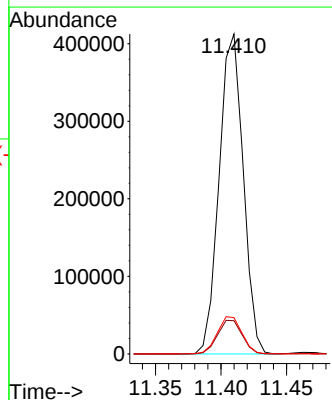
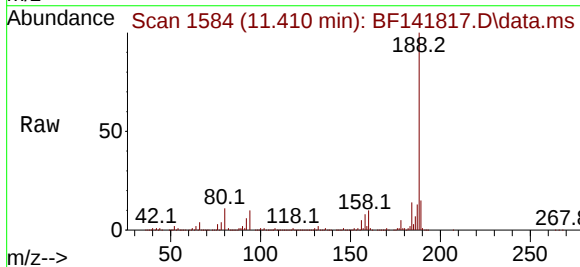
Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMSD

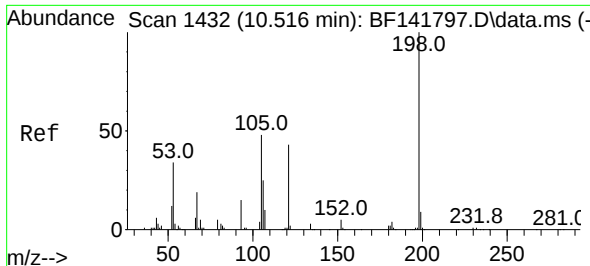
Tgt Ion: 77	Resp: 929948
Ion Ratio	Lower Upper
77 100	
182 23.6	4.2 44.2
105 20.9	1.5 41.5
51 30.7	10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1584
 Delta R.T. -0.000 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

Tgt Ion:188	Resp: 526713
Ion Ratio	Lower Upper
188 100	
94 10.4	8.9 13.3
80 11.4	9.7 14.5

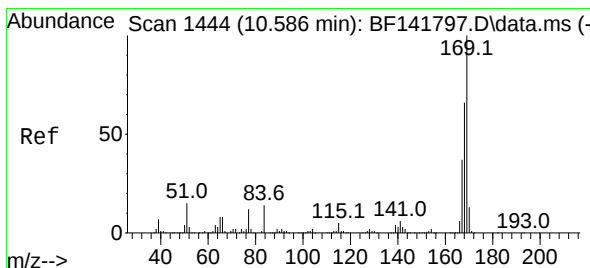
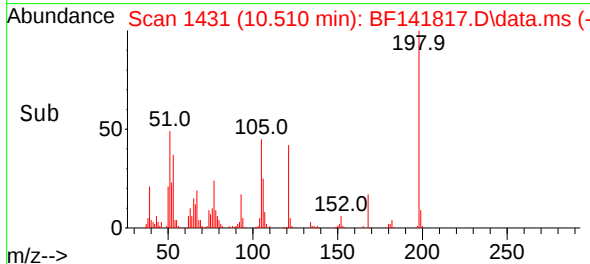
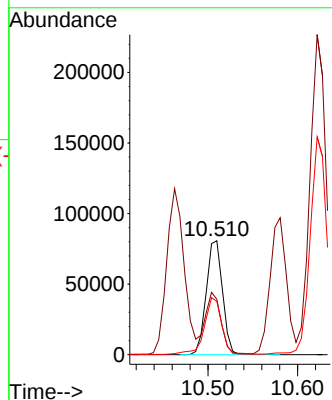
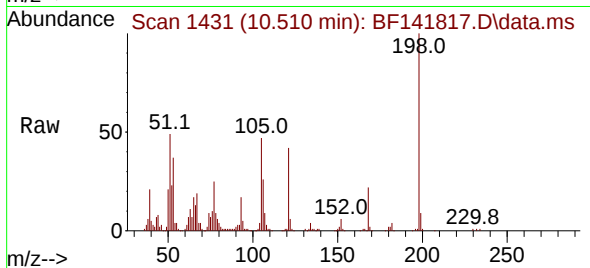




#65
4,6-Dinitro-2-methylphenol
Concen: 42.182 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

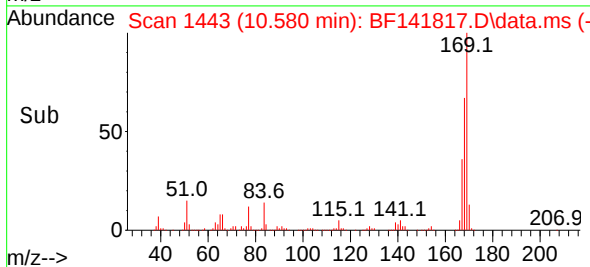
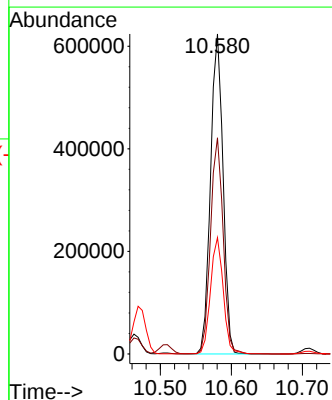
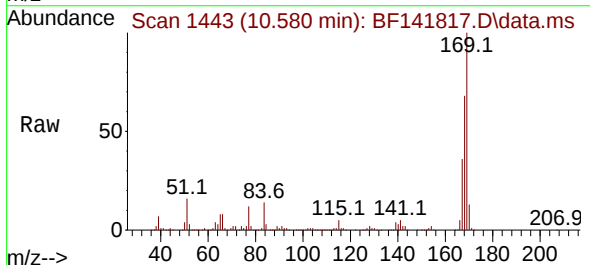
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

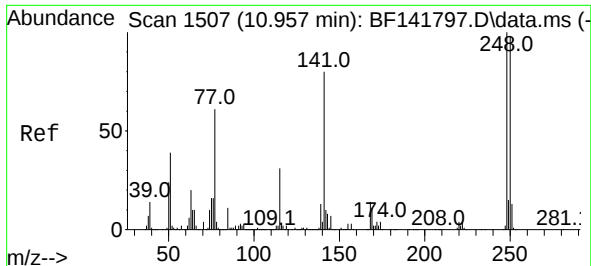
Tgt Ion:198 Resp: 101683
Ion Ratio Lower Upper
198 100
51 48.5 32.1 72.1
105 46.7 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 44.098 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:169 Resp: 762700
Ion Ratio Lower Upper
169 100
168 67.6 53.0 79.6
167 36.4 29.3 43.9

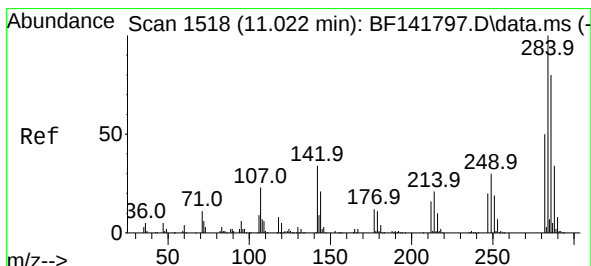
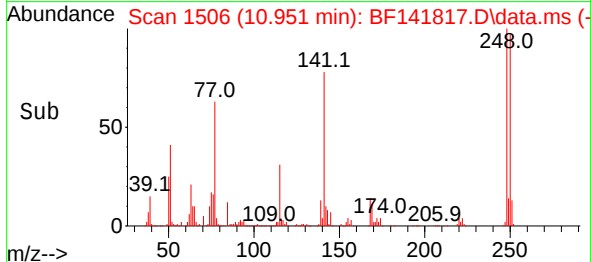
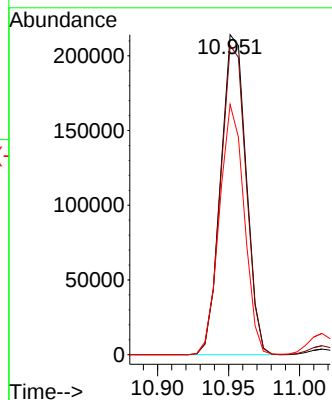
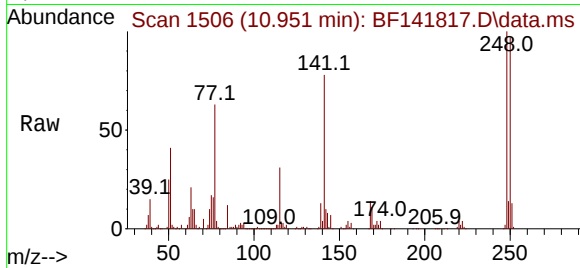




#67
4-Bromophenyl-phenylether
Concen: 43.472 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

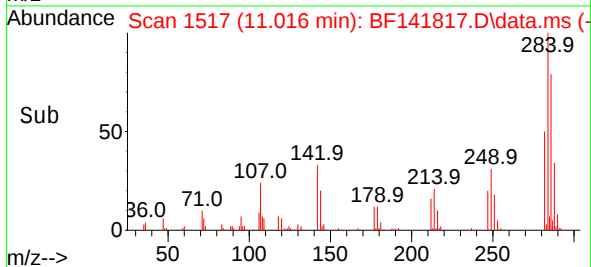
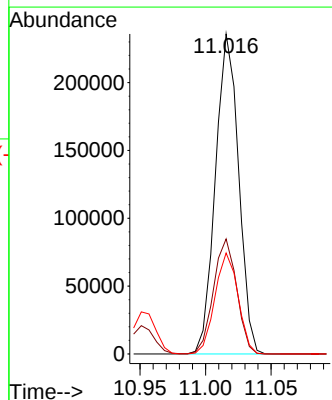
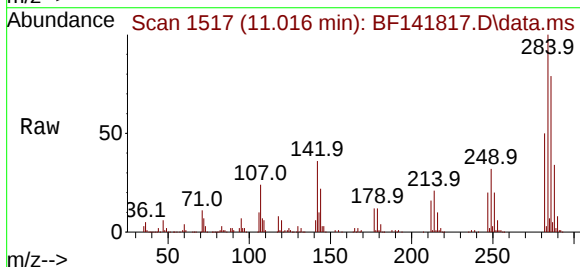
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

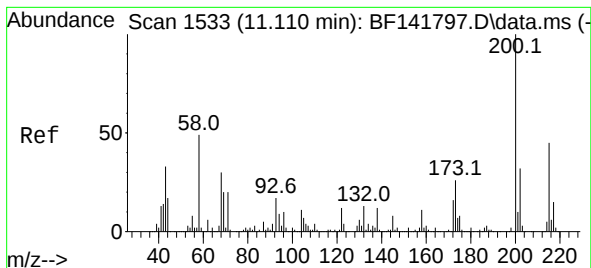
Tgt Ion:248 Resp: 267447
Ion Ratio Lower Upper
248 100
250 96.6 78.1 117.1
141 78.2 64.3 96.5



#68
Hexachlorobenzene
Concen: 44.560 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:284 Resp: 289488
Ion Ratio Lower Upper
284 100
142 36.0 28.2 42.2
249 31.6 25.5 38.3





#69

Atrazine

Concen: 65.969 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

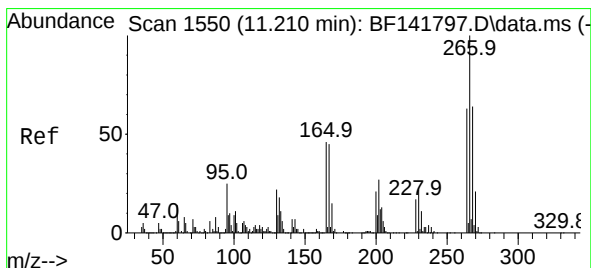
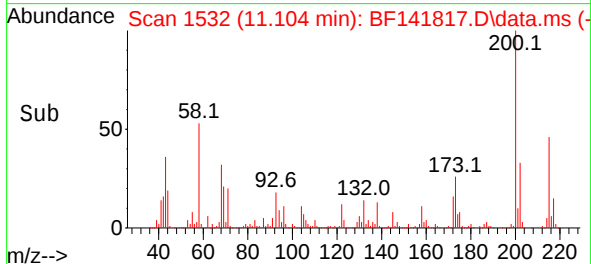
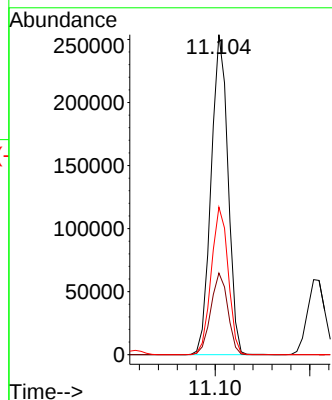
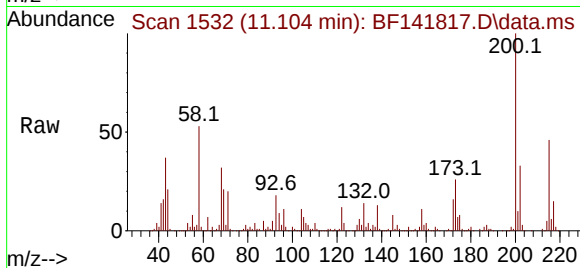
Tgt Ion:200 Resp: 313761

Ion Ratio Lower Upper

200 100

173 25.5 5.6 45.6

215 46.1 25.3 65.3



#70

Pentachlorophenol

Concen: 92.650 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

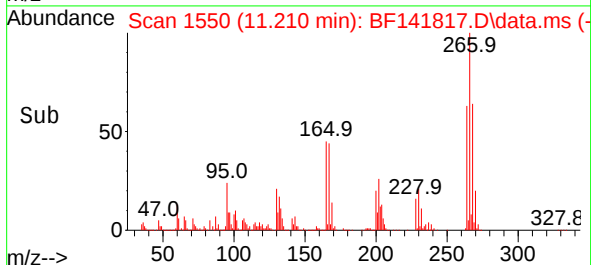
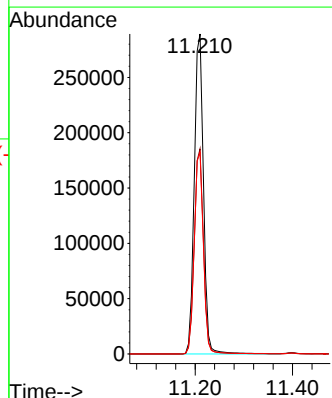
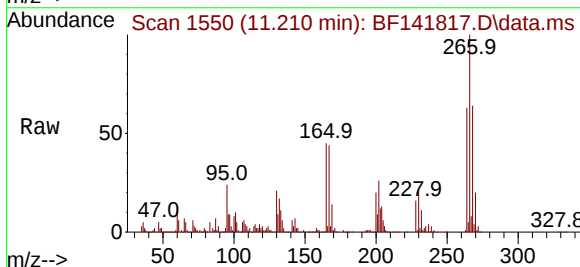
Tgt Ion:266 Resp: 381750

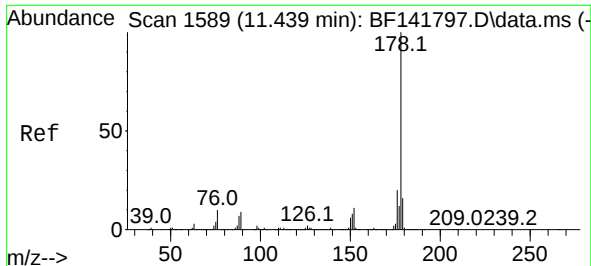
Ion Ratio Lower Upper

266 100

268 64.1 50.9 76.3

264 63.0 50.2 75.4

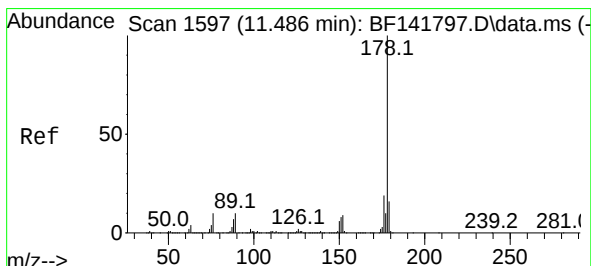
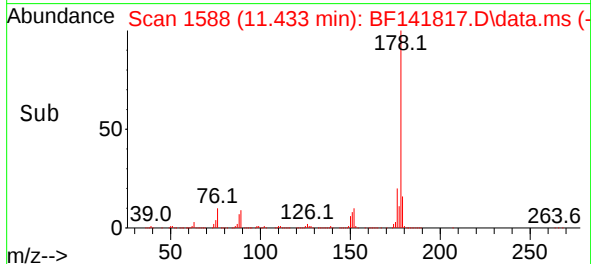
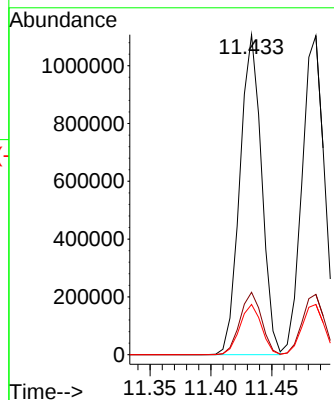
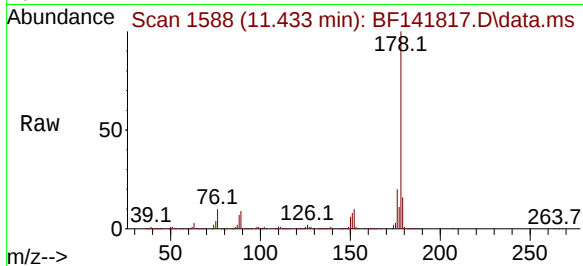




#71
Phenanthrene
Concen: 48.735 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

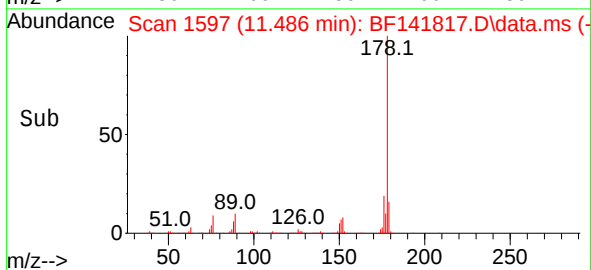
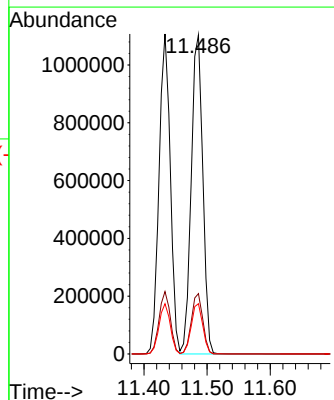
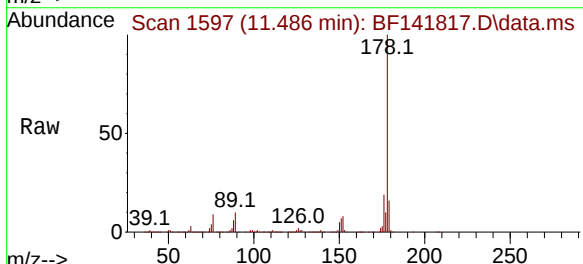
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

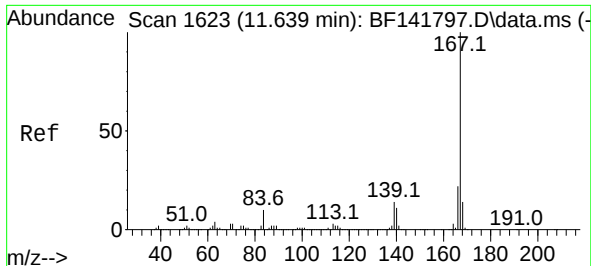
Tgt Ion:178 Resp: 1373049
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.7 12.6 19.0



#72
Anthracene
Concen: 49.791 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

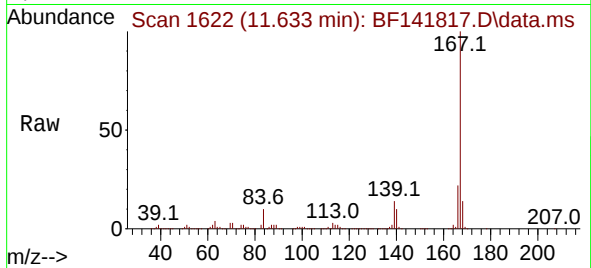
Tgt Ion:178 Resp: 1405921
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.8 19.2



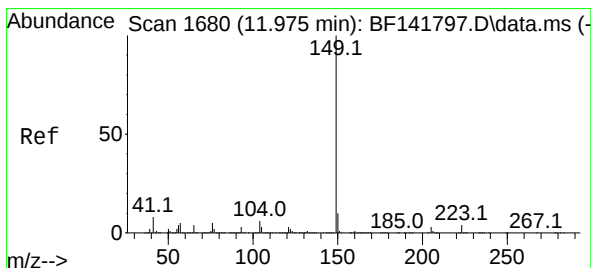
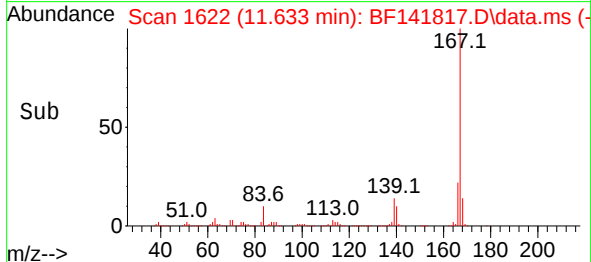
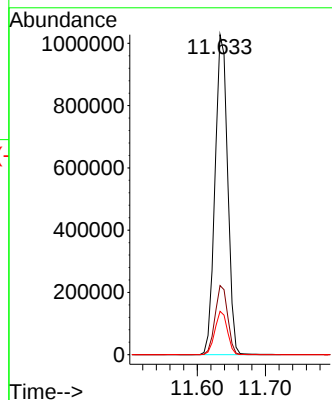


#73
 Carbazole
 Concen: 53.136 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMSD

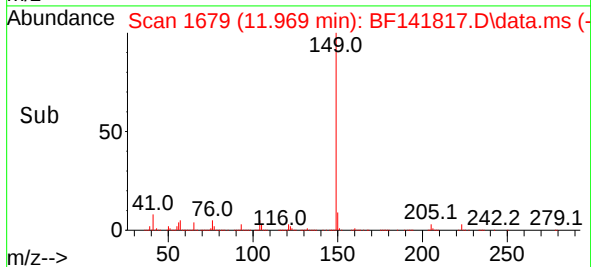
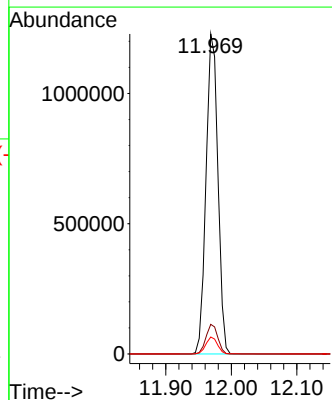
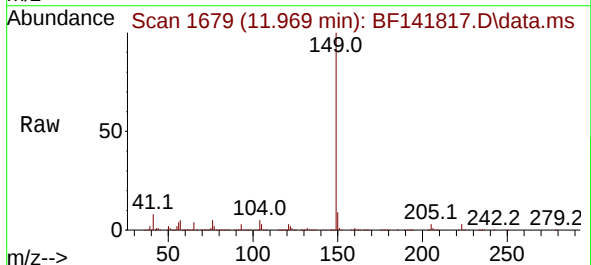


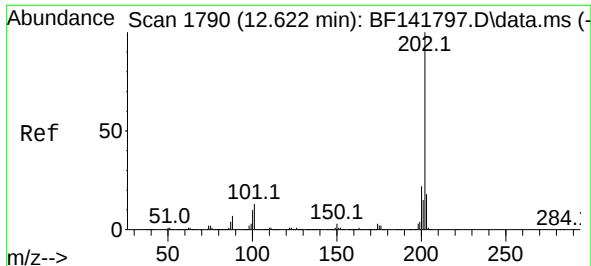
Tgt Ion:167 Resp: 1324956
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.5 26.3
 139 13.6 11.3 16.9



#74
 Di-n-butylphthalate
 Concen: 48.969 ng
 RT: 11.969 min Scan# 1679
 Delta R.T. -0.006 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

Tgt Ion:149 Resp: 1547779
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.7 11.5
 104 5.3 4.4 6.6

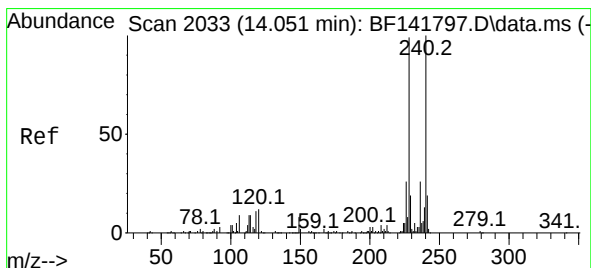
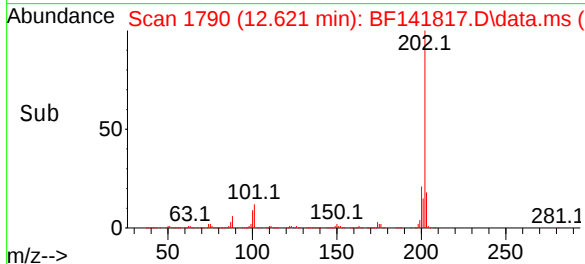
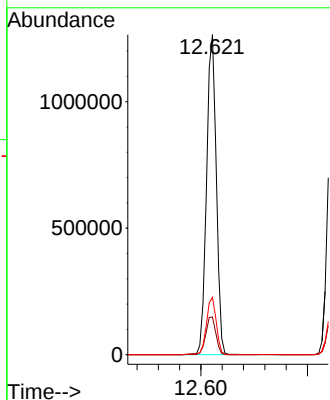
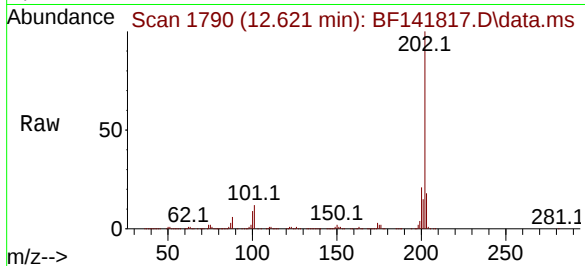




#75
Fluoranthene
Concen: 55.650 ng
RT: 12.621 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

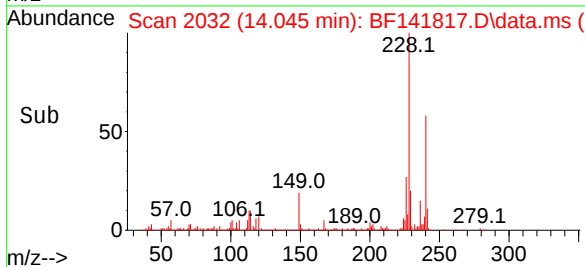
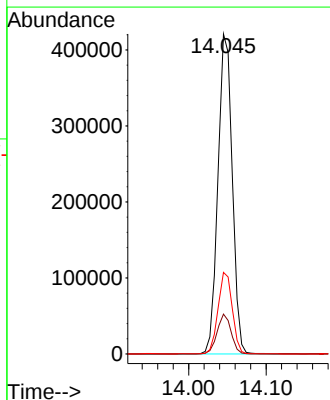
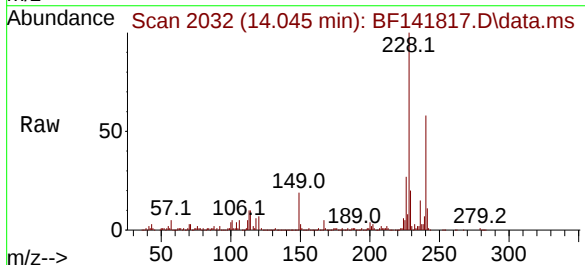
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

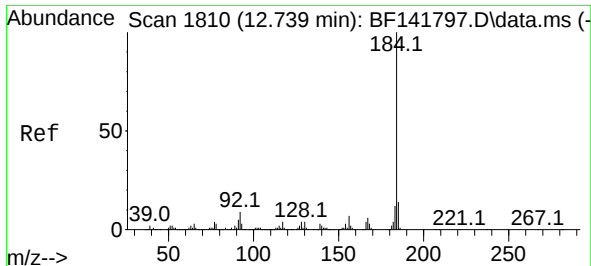
Tgt Ion:202 Resp: 1606545
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:240 Resp: 541541
Ion Ratio Lower Upper
240 100
120 12.4 9.7 14.5
236 25.5 21.0 31.4

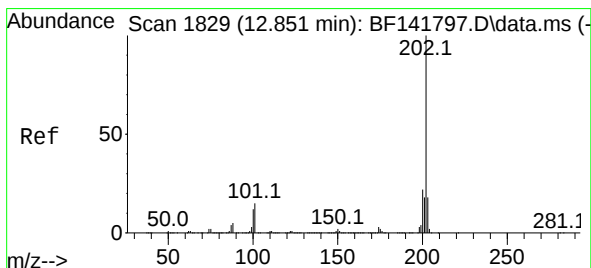
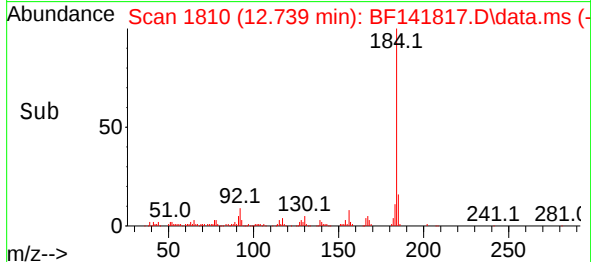
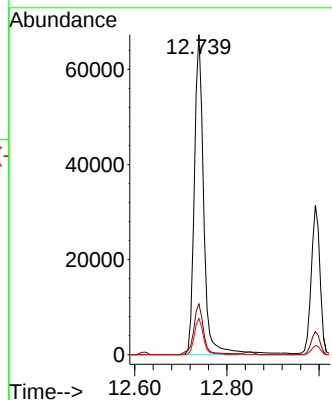
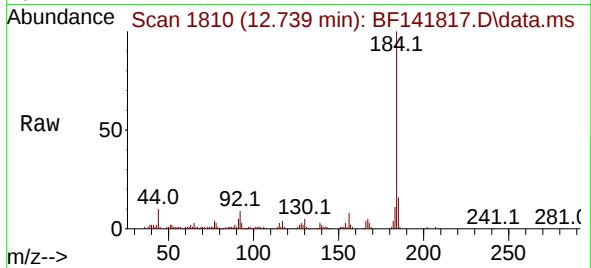




#77
Benzidine
Concen: 14.025 ng
RT: 12.739 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

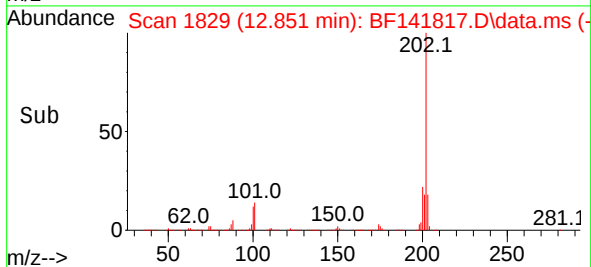
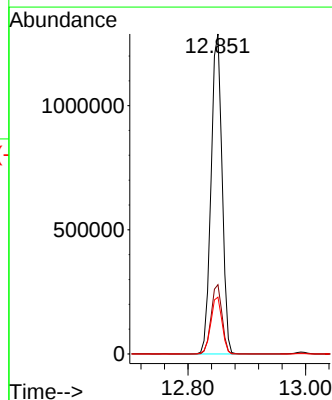
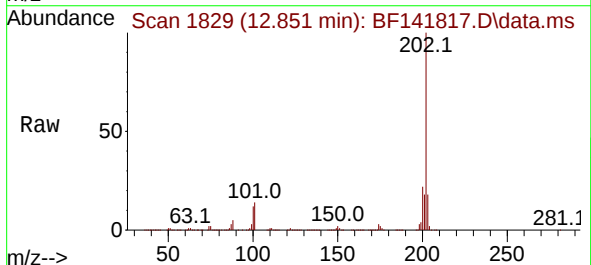
Instrument :
BNA_F
ClientSampleId :
SP-SOILMSD

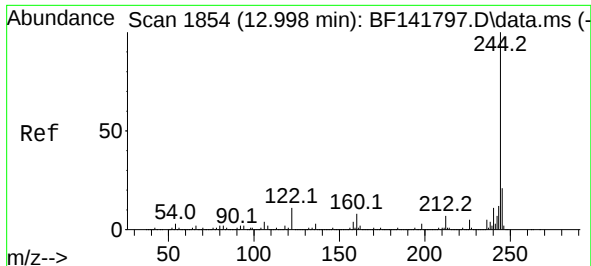
Tgt Ion:184 Resp: 95592
Ion Ratio Lower Upper
184 100
185 15.9 11.6 17.4
183 11.3 9.4 14.0



#78
Pyrene
Concen: 35.731 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141817.D
Acq: 03 Mar 2025 17:17

Tgt Ion:202 Resp: 1675575
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.0
203 17.8 14.6 22.0

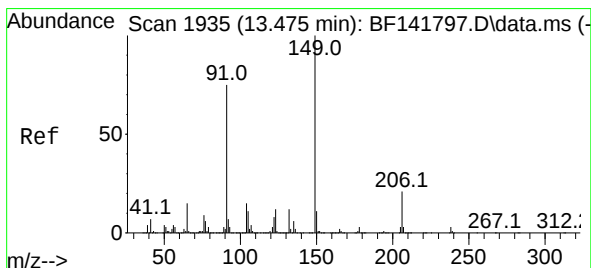
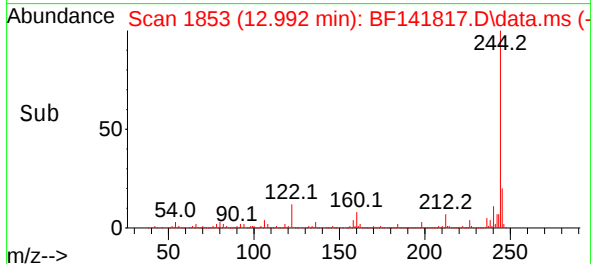
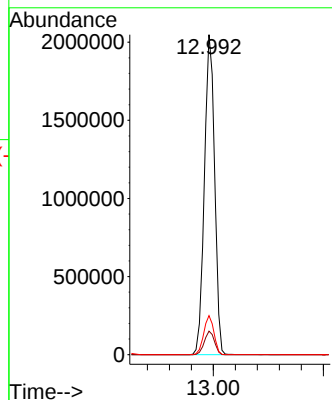
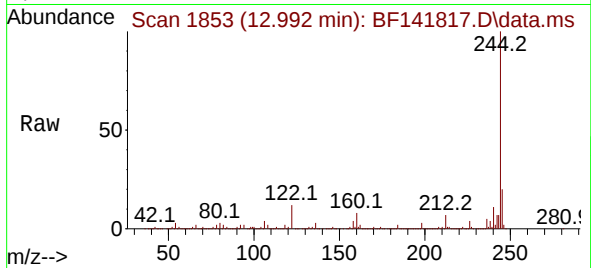




#79
 Terphenyl-d14
 Concen: 78.988 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

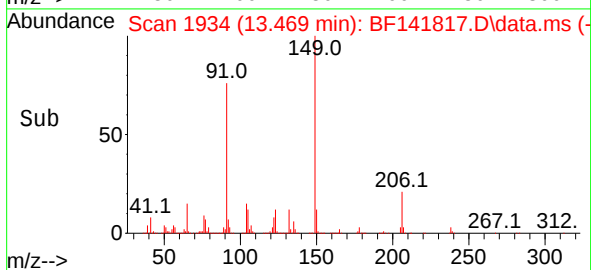
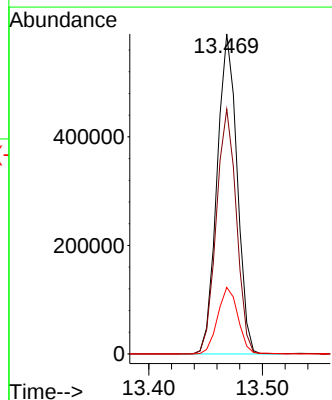
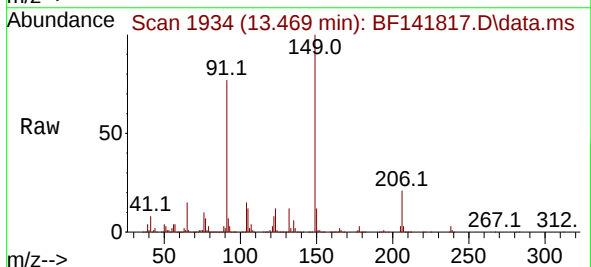
Instrument :
 BNA_F
 ClientSampleId :
 SP-SOILMSD

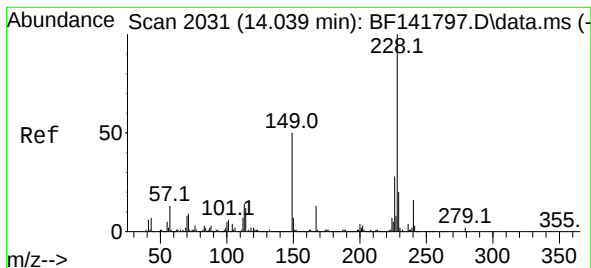
Tgt Ion:244 Resp: 2643836
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.2 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 42.562 ng
 RT: 13.469 min Scan# 1934
 Delta R.T. -0.006 min
 Lab File: BF141817.D
 Acq: 03 Mar 2025 17:17

Tgt Ion:149 Resp: 725153
 Ion Ratio Lower Upper
 149 100
 91 76.5 60.1 90.1
 206 20.8 16.8 25.2





#81

Benzo(a)anthracene

Concen: 47.026 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

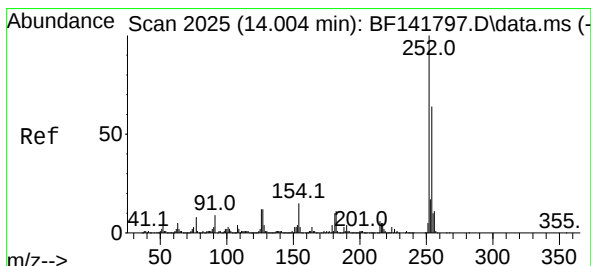
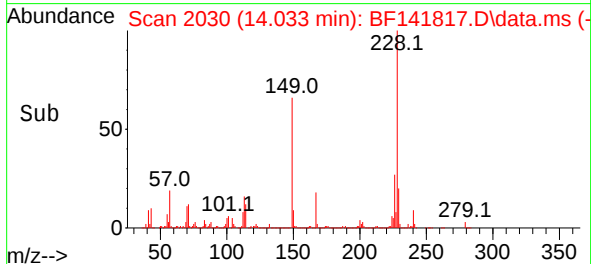
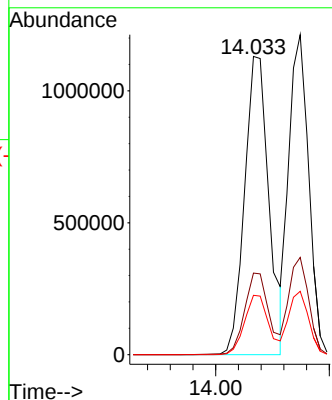
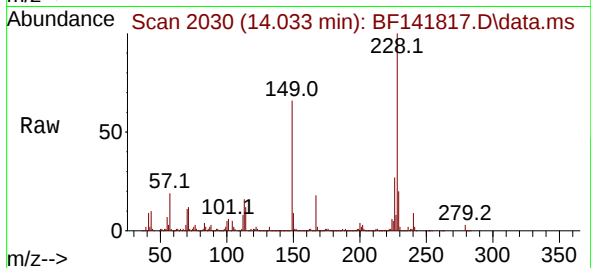
Tgt Ion:228 Resp: 1682107

Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 19.9 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 16.793 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

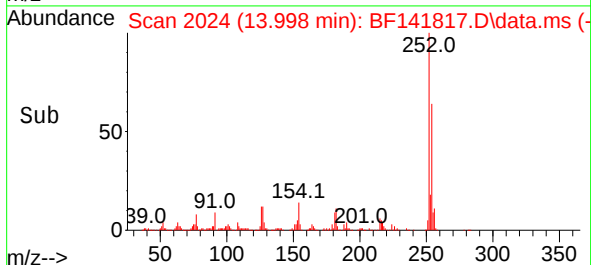
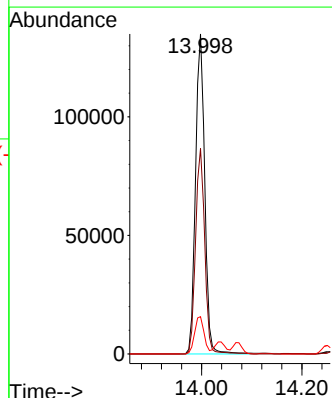
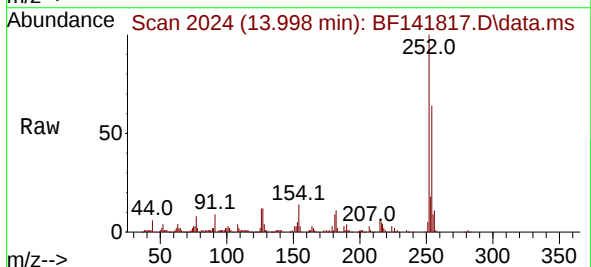
Tgt Ion:252 Resp: 172342

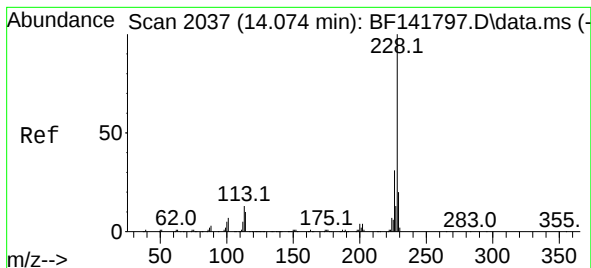
Ion Ratio Lower Upper

252 100

254 64.2 51.4 77.0

126 11.7 9.8 14.6





#83

Chrysene

Concen: 44.735 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

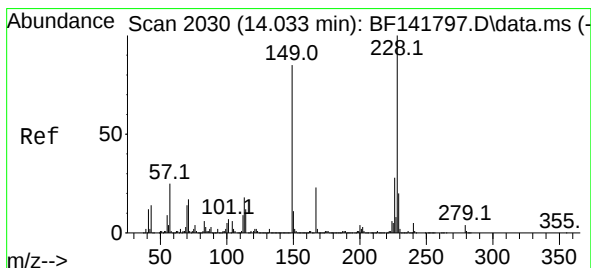
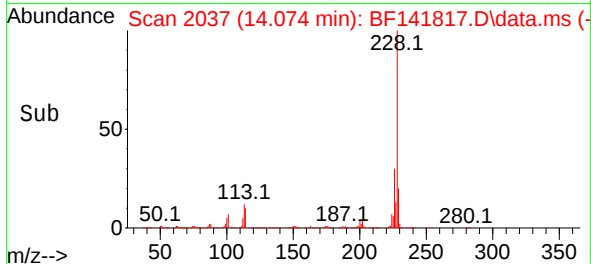
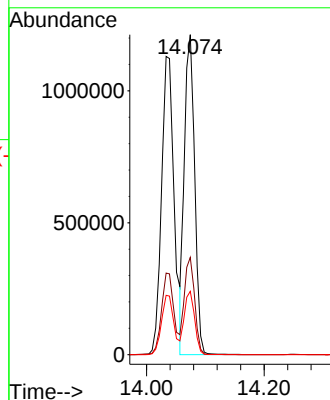
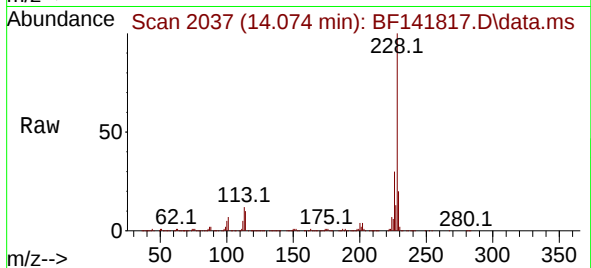
Tgt Ion:228 Resp: 1475043

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

229 19.8 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.067 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

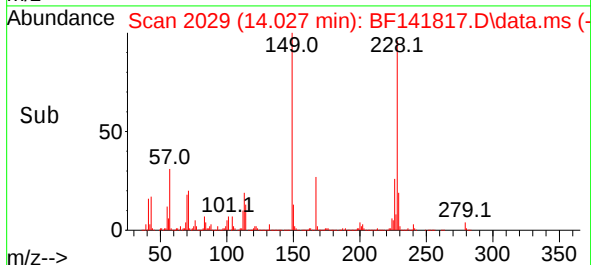
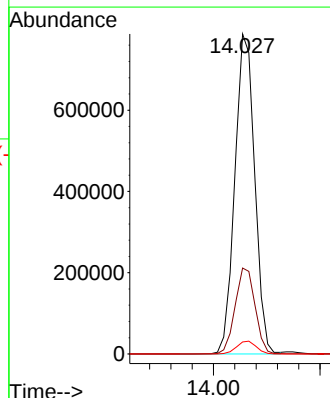
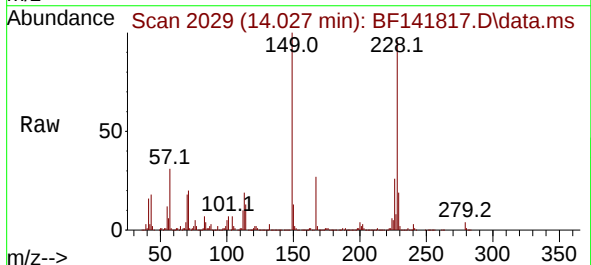
Tgt Ion:149 Resp: 1019709

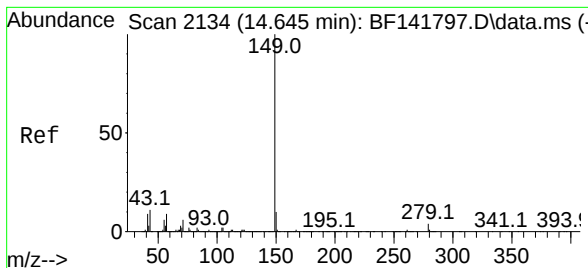
Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 56.427 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

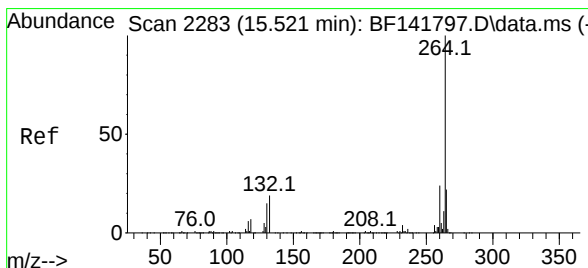
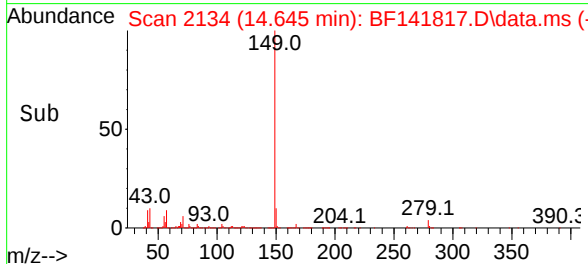
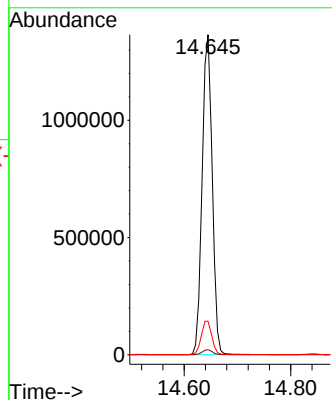
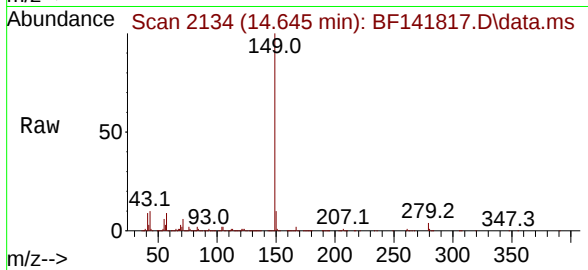
Tgt Ion:149 Resp: 1792148

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: BF141817.D

Acq: 03 Mar 2025 17:17

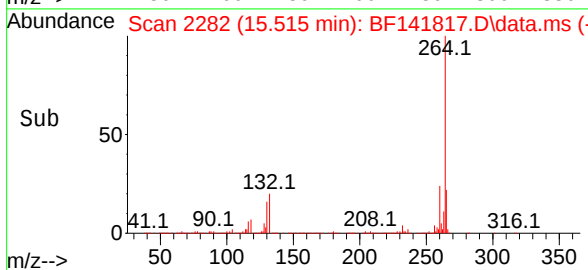
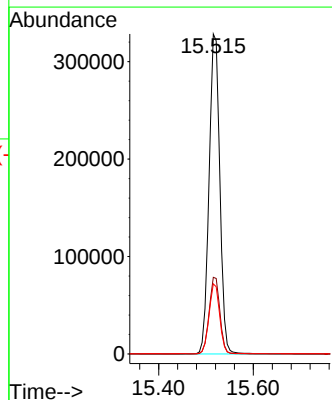
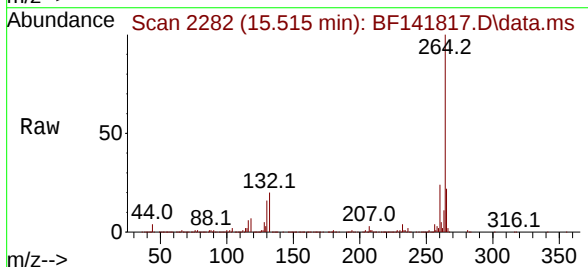
Tgt Ion:264 Resp: 517317

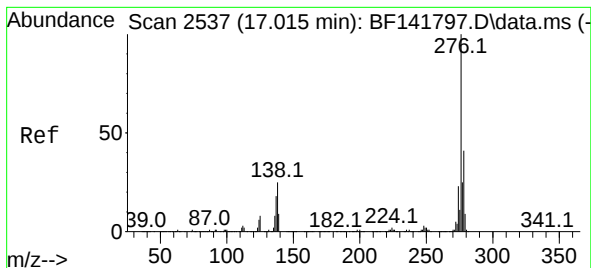
Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.606 ng

RT: 17.009 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

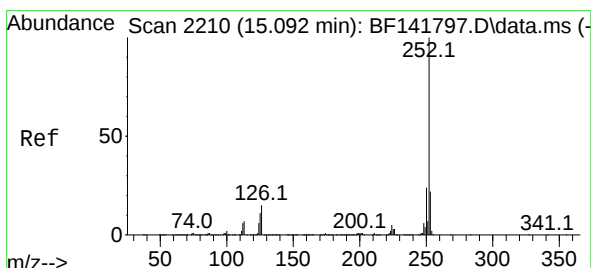
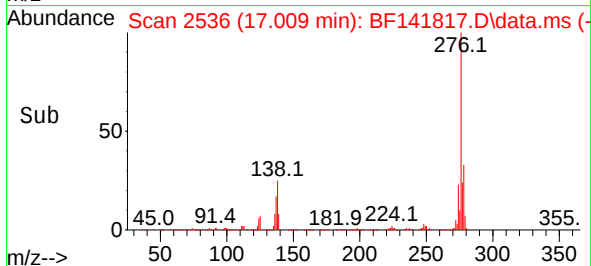
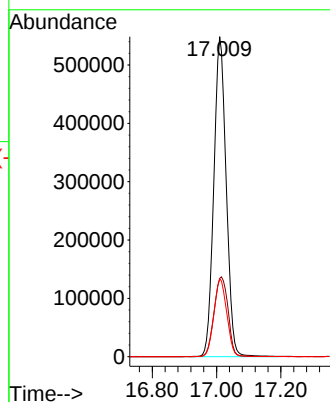
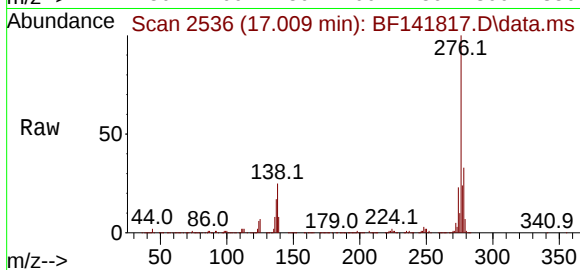
Tgt Ion:276 Resp: 1469356

Ion Ratio Lower Upper

276 100

138 28.2 22.5 33.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 46.152 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

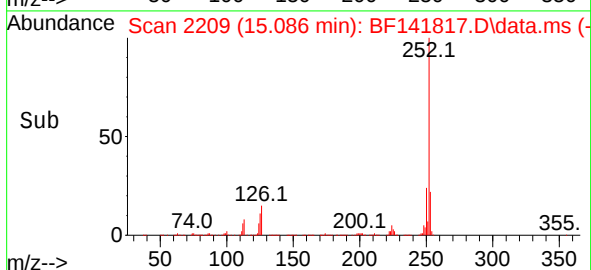
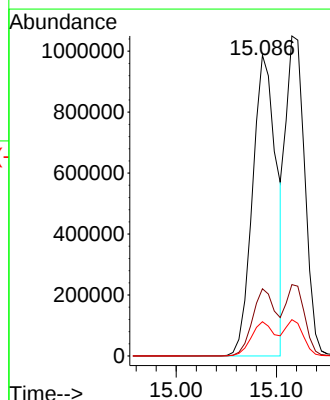
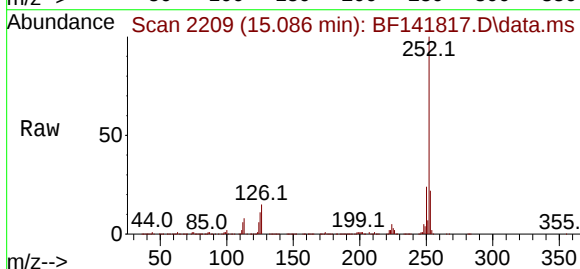
Tgt Ion:252 Resp: 1626304

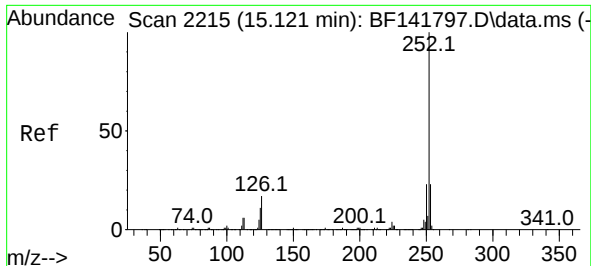
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 11.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 46.399 ng

RT: 15.115 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

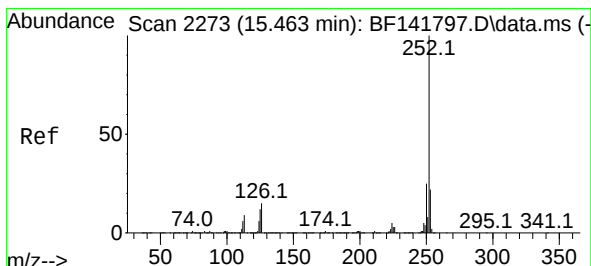
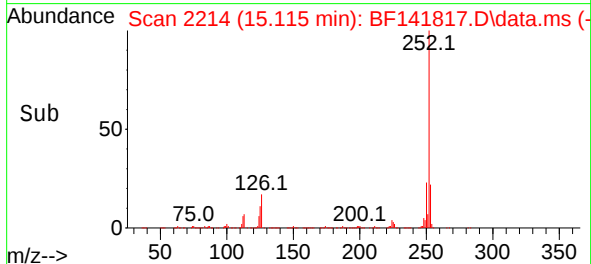
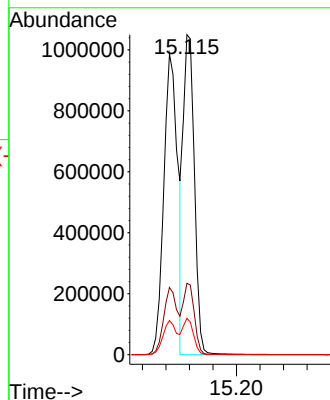
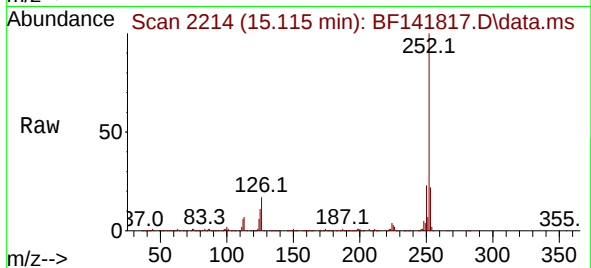
BNA_F

ClientSampleId :

SP-SOILMSD

Tgt Ion:252 Resp: 1389694

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.4	8.8	13.2



#90

Benzo(a)pyrene

Concen: 48.859 ng

RT: 15.457 min Scan# 2272

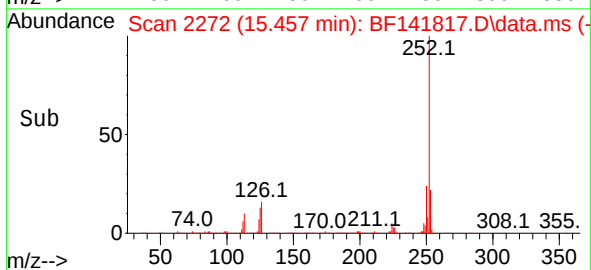
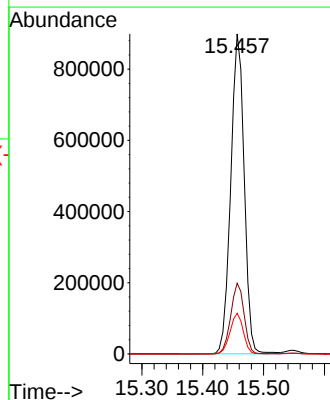
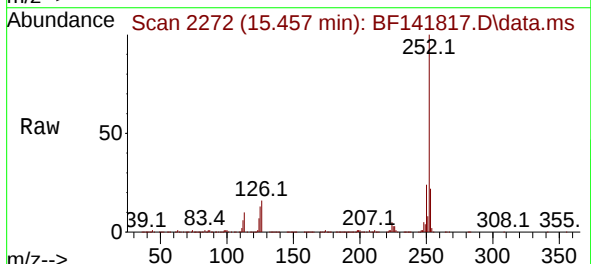
Delta R.T. -0.006 min

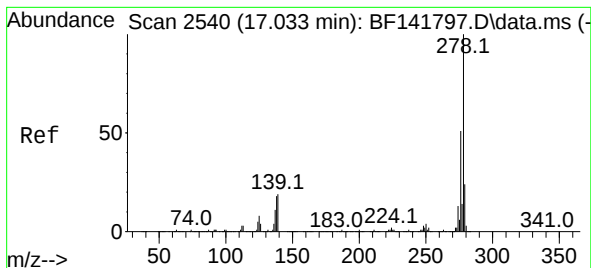
Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Tgt Ion:252 Resp: 1380789

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.7	9.4	14.2





#91

Dibenzo(a,h)anthracene

Concen: 45.080 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.000 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Instrument :

BNA_F

ClientSampleId :

SP-SOILMSD

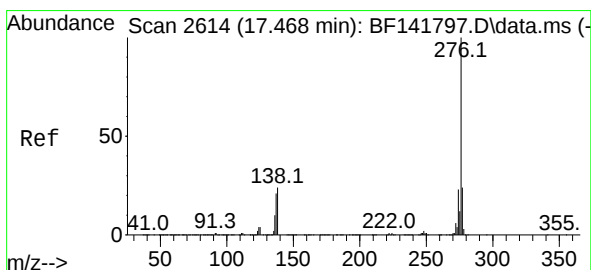
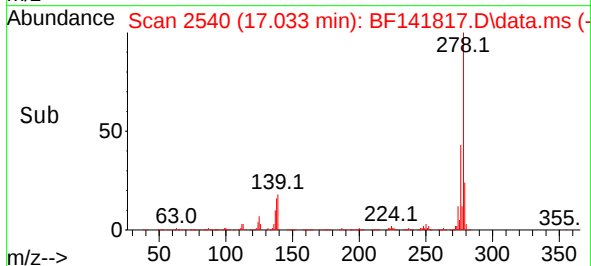
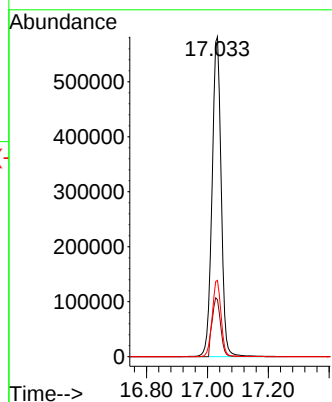
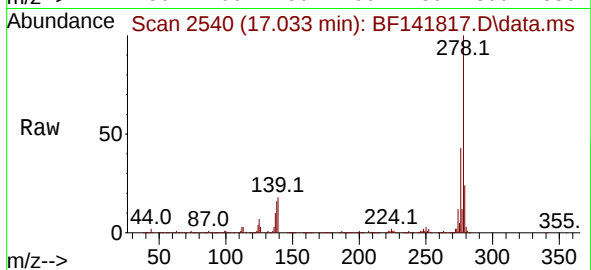
Tgt Ion:278 Resp: 1212134

Ion Ratio Lower Upper

278 100

139 17.8 14.9 22.3

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 40.026 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.006 min

Lab File: BF141817.D

Acq: 03 Mar 2025 17:17

Tgt Ion:276 Resp: 1102571

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.0

138 23.4 19.3 28.9

