

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
 Data File : BF141127.D
 Acq On : 13 Jan 2025 15:40
 Operator : RC/JU
 Sample : P1187-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Jan 13 16:02:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	157775	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	628828	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	352180	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	622102	20.000	ng	0.00
76) Chrysene-d12	13.986	240	416225	20.000	ng	0.00
86) Perylene-d12	15.445	264	336513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	891278	87.267	ng	0.00
7) Phenol-d6	6.439	99	1135826	87.795	ng	0.00
23) Nitrobenzene-d5	7.381	82	754615	63.612	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	372298	92.776	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1433321	62.148	ng	0.00
79) Terphenyl-d14	12.933	244	1574573	56.227	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	36398	8.003	ng	98
3) Pyridine	3.299	79	80182	7.189	ng	99
4) n-Nitrosodimethylamine	3.204	42	42237	7.745	ng	# 98
6) Aniline	6.481	93	113392	9.872	ng	99
8) 2-Chlorophenol	6.604	128	90379	8.248	ng	100
9) Benzaldehyde	6.369	77	72948	9.574	ng	97
10) Phenol	6.457	94	113983	8.230	ng	93
11) bis(2-Chloroethyl)ether	6.551	93	85452	8.280	ng	99
12) 1,3-Dichlorobenzene	6.757	146	98539	8.063	ng	99
13) 1,4-Dichlorobenzene	6.839	146	100883	8.192	ng	98
14) 1,2-Dichlorobenzene	6.992	146	94974	8.267	ng	98
15) Benzyl Alcohol	6.957	79	84503	9.045	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.092	45	119579	8.303	ng	98
17) 2-Methylphenol	7.063	107	70039	7.917	ng	98
18) Hexachloroethane	7.334	117	35689	8.014	ng	97
19) n-Nitroso-di-n-propyla...	7.222	70	64913	8.518	ng	99
20) 3+4-Methylphenols	7.216	107	91666	8.213	ng	# 86
22) Acetophenone	7.222	105	132943	8.893	ng	97
24) Nitrobenzene	7.398	77	99329	8.034	ng	99
25) Isophorone	7.634	82	169423	8.357	ng	99
26) 2-Nitrophenol	7.716	139	43700	7.770	ng	97
27) 2,4-Dimethylphenol	7.745	122	39984	5.271	ng	98
28) bis(2-Chloroethoxy)met...	7.851	93	105425	8.286	ng	98
29) 2,4-Dichlorophenol	7.951	162	73533	8.162	ng	98
30) 1,2,4-Trichlorobenzene	8.039	180	82537	8.015	ng	98
31) Naphthalene	8.122	128	275249	8.300	ng	99
32) Benzoic acid	7.816	122	83128	11.423	ng	99
33) 4-Chloroaniline	8.169	127	103113	8.991	ng	99
34) Hexachlorobutadiene	8.239	225	48621	7.835	ng	100
35) Caprolactam	8.504	113	23099	7.831	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	80450	8.165	ng	99
37) 2-Methylnaphthalene	8.816	142	178747	8.459	ng	100
38) 1-Methylnaphthalene	8.910	142	165720	7.957	ng	98
40) 1,2,4,5-Tetrachloroben...	8.980	216	83852	8.295	ng	99
41) Hexachlorocyclopentadiene	8.969	237	41435	12.529	ng	97
43) 2,4,6-Trichlorophenol	9.086	196	51673	7.580	ng	99

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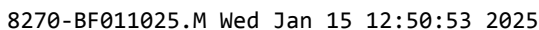
Instrument :
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 ClientSampleId :
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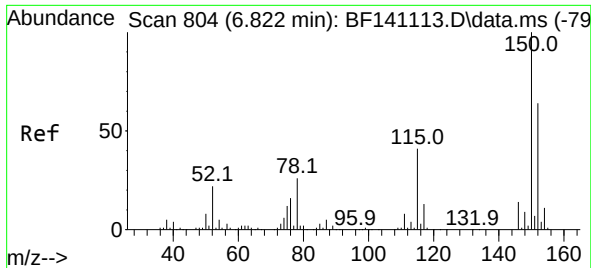
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	56325	7.823	ng	99
46) 1,1'-Biphenyl	9.280	154	236188	8.636	ng	98
47) 2-Chloronaphthalene	9.304	162	167053	7.842	ng	98
48) 2-Nitroaniline	9.392	65	48177	7.629	ng	95
49) Acenaphthylene	9.716	152	259446	8.525	ng	99
50) Dimethylphthalate	9.575	163	192749	8.152	ng	100
51) 2,6-Dinitrotoluene	9.633	165	40548	7.375	ng	93
52) Acenaphthene	9.886	154	176902	8.320	ng	99
53) 3-Nitroaniline	9.804	138	44212	7.913	ng	98
54) 2,4-Dinitrophenol	9.910	184	24417	9.343	ng	93
55) Dibenzofuran	10.063	168	241384	8.346	ng	99
56) 4-Nitrophenol	9.951	139	32768	7.489	ng	96
57) 2,4-Dinitrotoluene	10.033	165	54607	7.707	ng	96
58) Fluorene	10.404	166	188520	8.390	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	47629	7.958	ng	97
60) Diethylphthalate	10.275	149	188712	8.176	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	90863	8.297	ng	98
62) 4-Nitroaniline	10.410	138	43182	7.896	ng	99
63) Azobenzene	10.557	77	185288	8.135	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	37536	10.412	ng	92
66) n-Nitrosodiphenylamine	10.516	169	160171	7.982	ng	98
67) 4-Bromophenyl-phenylether	10.886	248	55728	7.781	ng	96
68) Hexachlorobenzene	10.951	284	63755	7.996	ng	100
69) Atrazine	11.039	200	52888	9.789	ng	99
70) Pentachlorophenol	11.145	266	36117	7.074	ng	98
71) Phenanthrene	11.369	178	284168	8.508	ng	98
72) Anthracene	11.416	178	264830	8.155	ng	99
73) Carbazole	11.569	167	242734	8.152	ng	99
74) Di-n-butylphthalate	11.910	149	288522	8.467	ng	99
75) Fluoranthene	12.557	202	283626	8.510	ng	97
77) Benzidine	12.680	184	80016	10.367	ng	99
78) Pyrene	12.780	202	297133	7.474	ng	100
80) Butylbenzylphthalate	13.410	149	102688	7.747	ng	96
81) Benzo(a)anthracene	13.974	228	230099	8.123	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	67453	7.478	ng	99
83) Chrysene	14.010	228	209256	7.895	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	130535	8.208	ng	99
85) Di-n-octyl phthalate	14.592	149	174494	7.266	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	179604	7.285	ng	98
88) Benzo(b)fluoranthene	15.021	252	176192	8.120	ng	98
89) Benzo(k)fluoranthene	15.045	252	166995	9.107	ng	98
90) Benzo(a)pyrene	15.380	252	148053	8.270	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	143301	7.187	ng	97
92) Benzo(g,h,i)perylene	17.327	276	142604	6.876	ng	98

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

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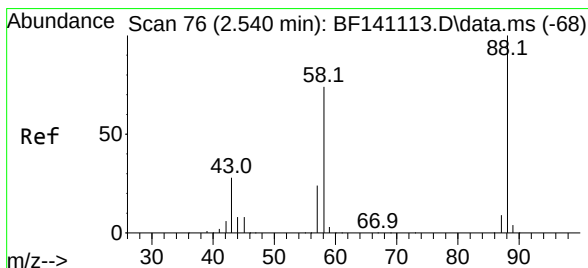
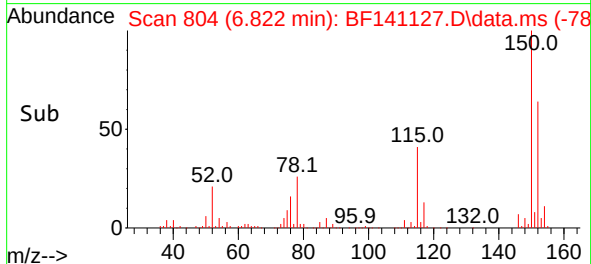
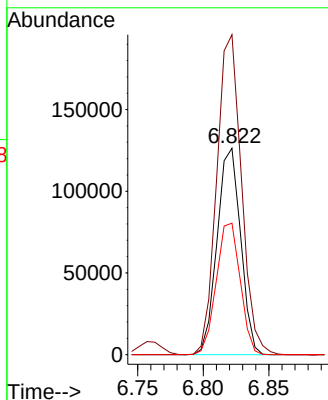
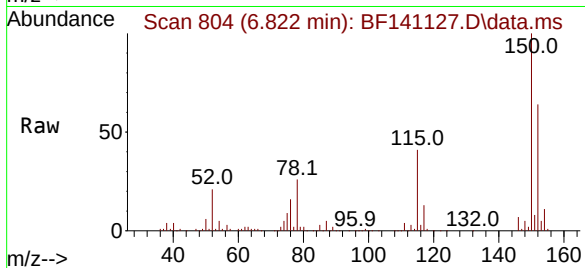




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

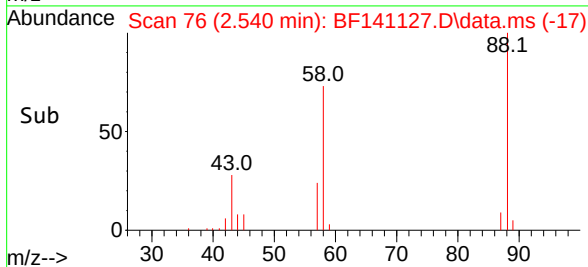
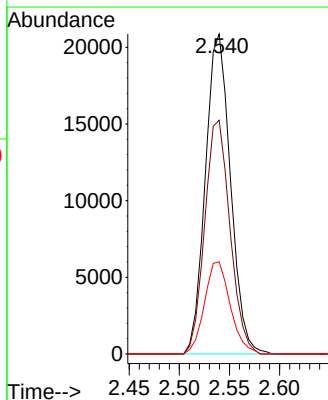
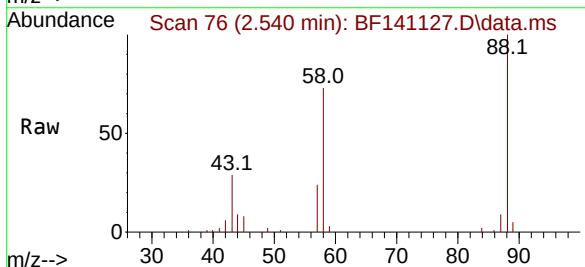
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

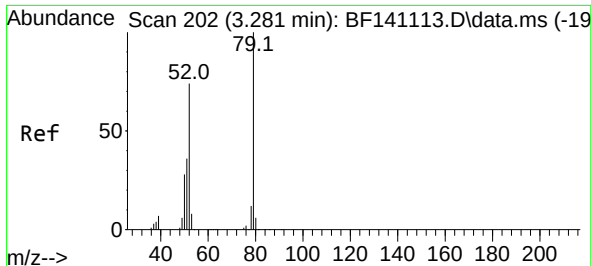
Tgt Ion:152 Resp: 157775
 Ion Ratio Lower Upper
 152 100
 150 155.0 125.8 188.8
 115 63.7 51.4 77.2



#2
 1,4-Dioxane
 Concen: 8.003 ng
 RT: 2.540 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

Tgt Ion: 88 Resp: 36398
 Ion Ratio Lower Upper
 88 100
 58 73.4 60.1 90.1
 43 29.5 23.1 34.7





#3

Pyridine

Concen: 7.189 ng

RT: 3.299 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

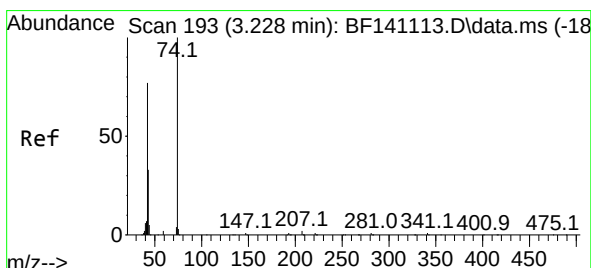
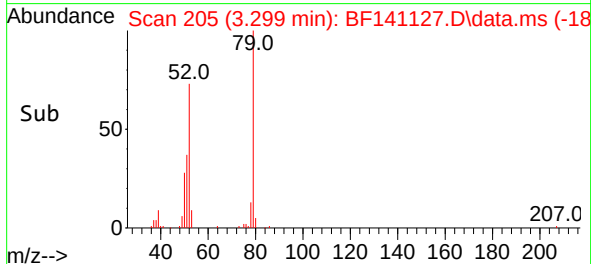
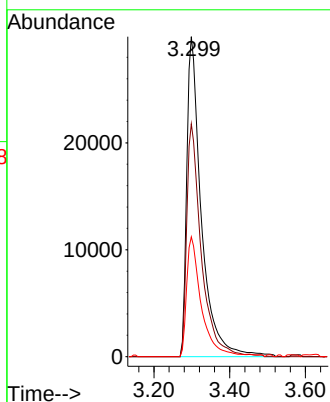
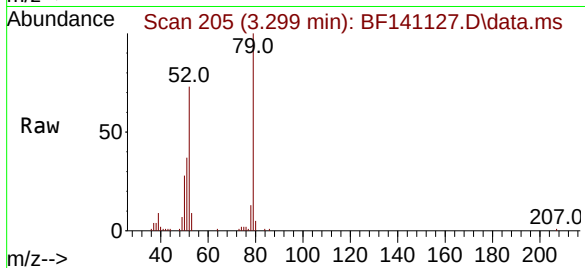
Tgt Ion: 79 Resp: 80182

Ion Ratio Lower Upper

79 100

52 72.8 58.9 88.3

51 37.4 29.1 43.7



#4

n-Nitrosodimethylamine

Concen: 7.745 ng

RT: 3.204 min Scan# 189

Delta R.T. -0.024 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

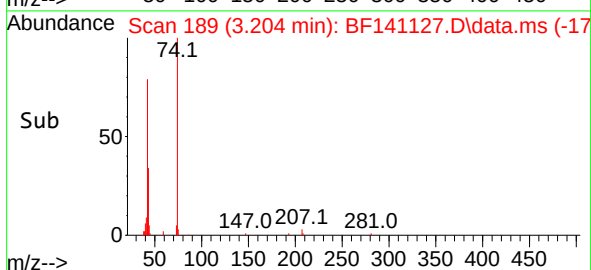
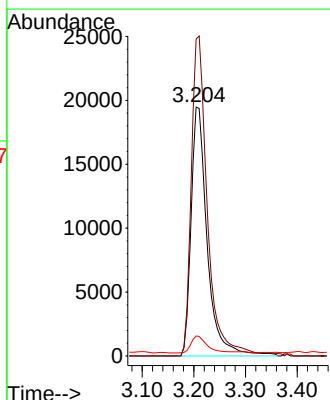
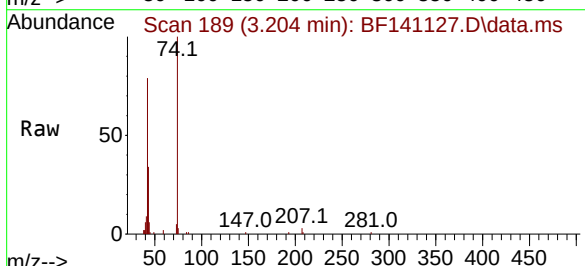
Tgt Ion: 42 Resp: 42237

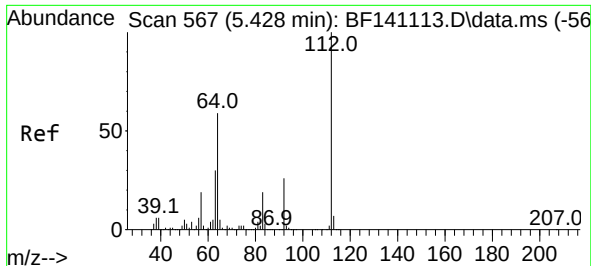
Ion Ratio Lower Upper

42 100

74 127.3 103.8 155.6

44 8.1 5.3 7.9

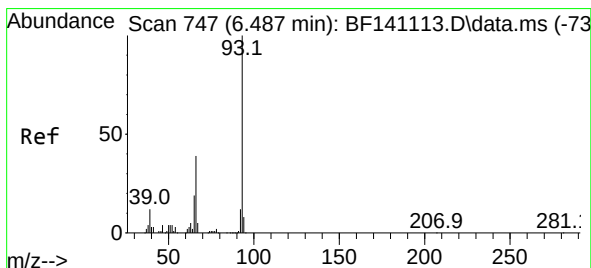
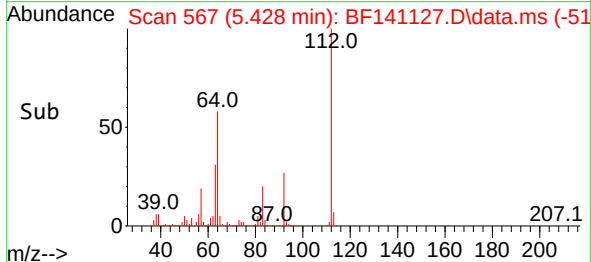
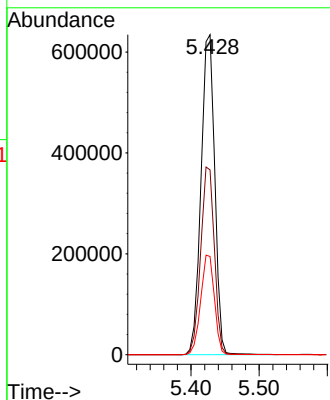
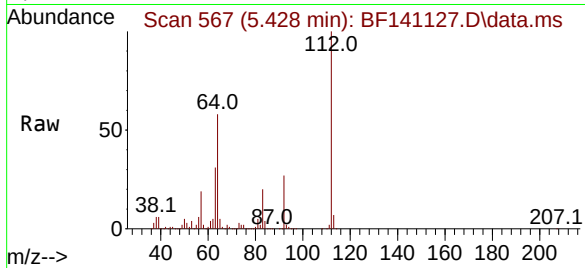




#5
2-Fluorophenol
Concen: 87.267 ng
RT: 5.428 min Scan# 509
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

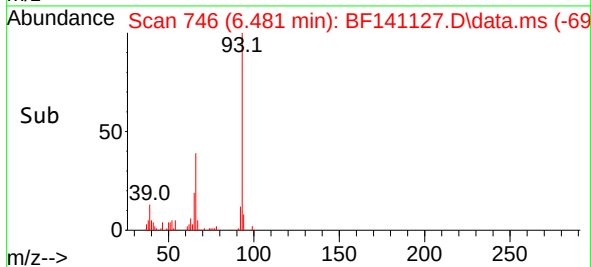
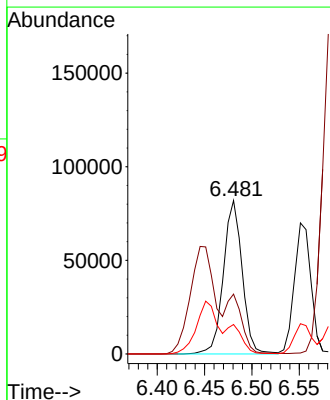
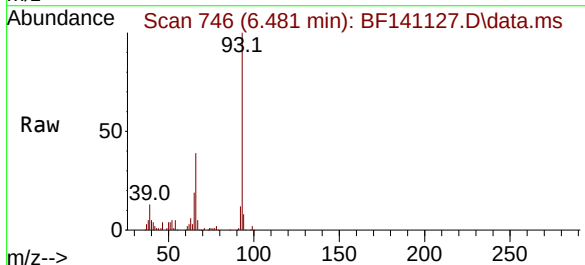
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

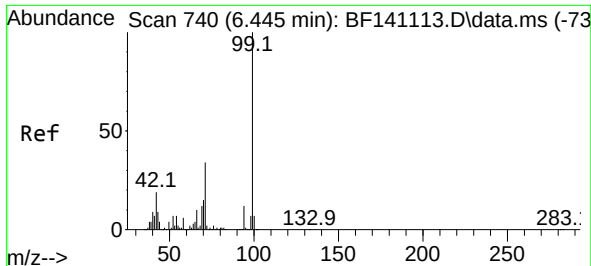
Tgt Ion:112 Resp: 891278
Ion Ratio Lower Upper
112 100
64 57.7 47.3 70.9
63 30.7 24.2 36.2



#6
Aniline
Concen: 9.872 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion: 93 Resp: 113392
Ion Ratio Lower Upper
93 100
66 39.0 31.5 47.3
65 19.2 15.3 22.9





#7

Phenol-d6

Concen: 87.795 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

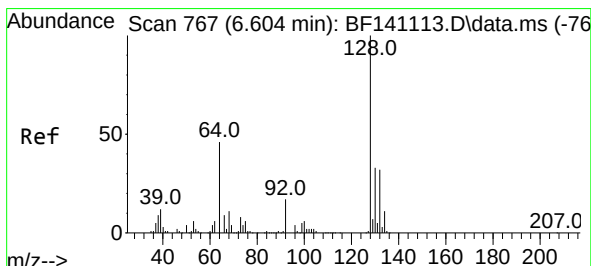
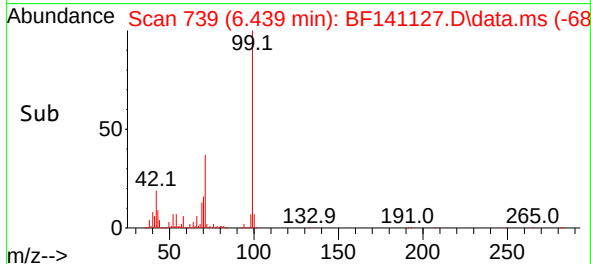
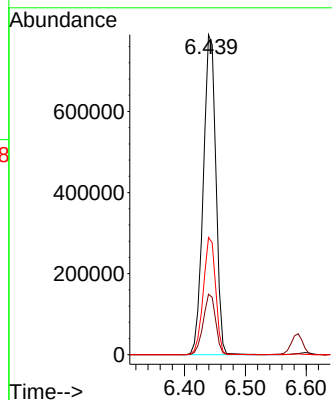
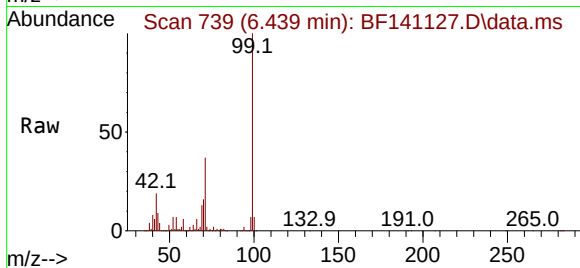
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 99 Resp: 1135826

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	36.6	27.6	41.4



#8

2-Chlorophenol

Concen: 8.248 ng

RT: 6.604 min Scan# 767

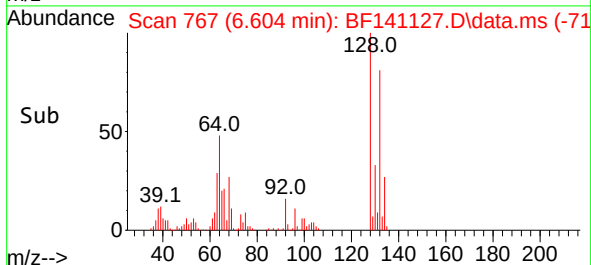
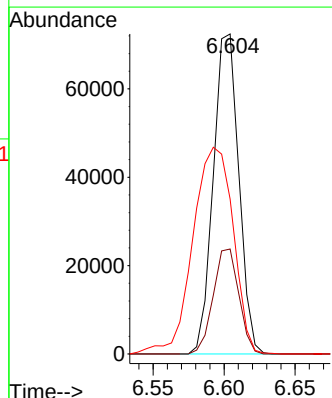
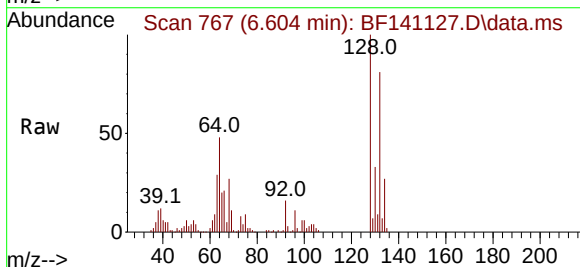
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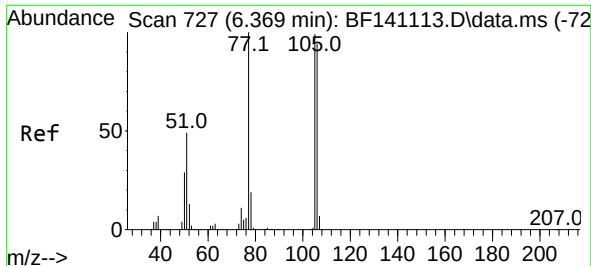
Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Tgt Ion: 128 Resp: 90379

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	48.4	28.3	68.3

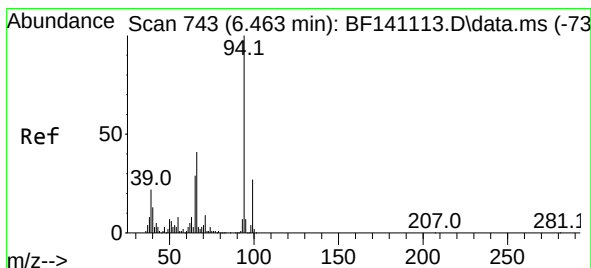
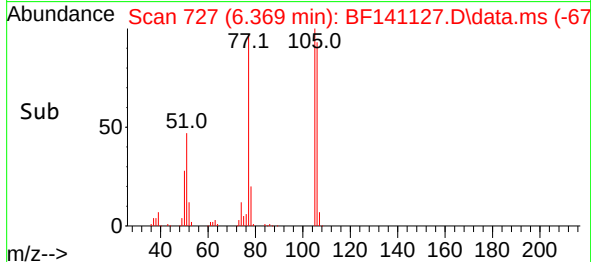
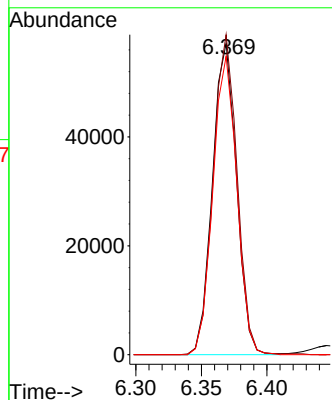
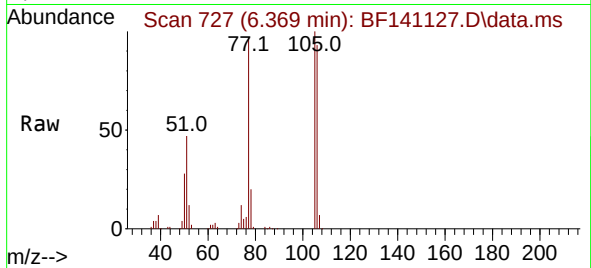




#9
Benzaldehyde
Concen: 9.574 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

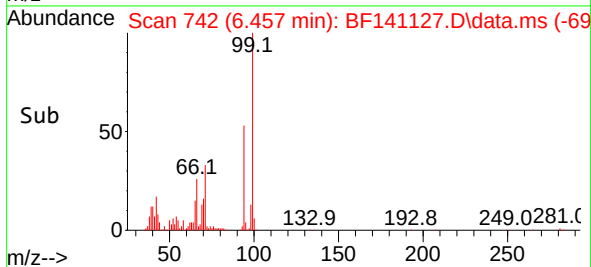
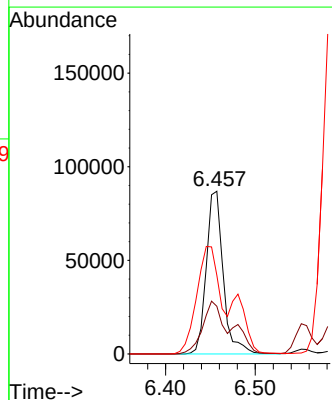
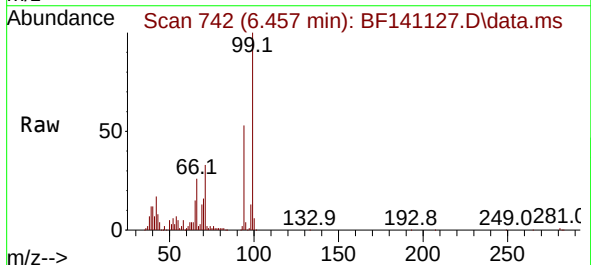
Instrument :
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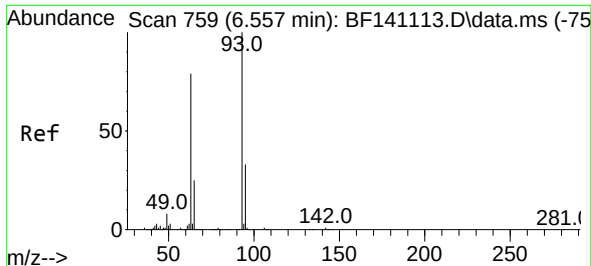
Tgt Ion: 77 Resp: 72948
Ion Ratio Lower Upper
77 100
105 102.8 78.9 118.9
106 95.9 73.6 113.6



#10
Phenol
Concen: 8.230 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion: 94 Resp: 113983
Ion Ratio Lower Upper
94 100
65 29.3 8.9 48.9
66 48.4 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 8.280 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141127.D

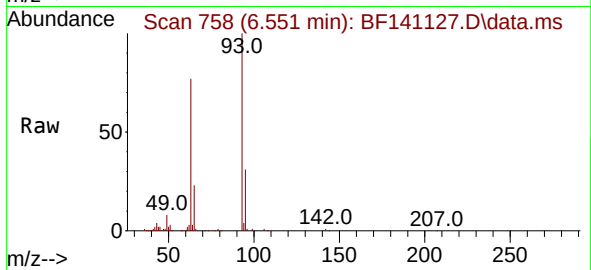
Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024



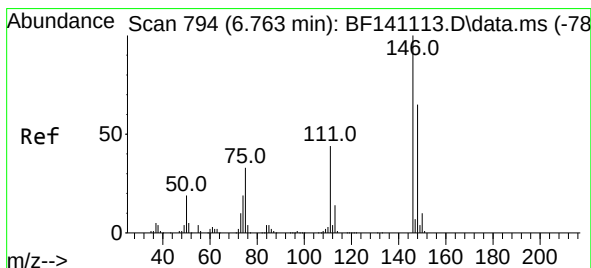
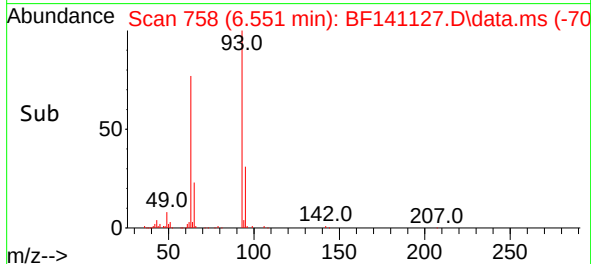
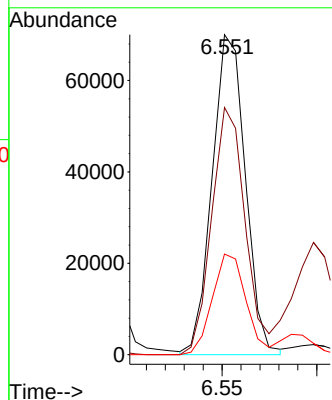
Tgt Ion: 93 Resp: 85452

Ion Ratio Lower Upper

93 100

63 77.3 58.0 98.0

95 31.4 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 8.063 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

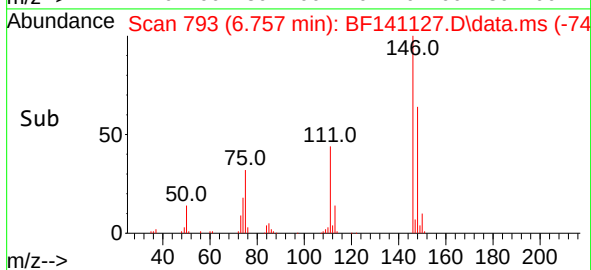
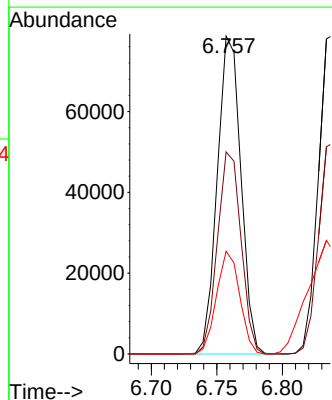
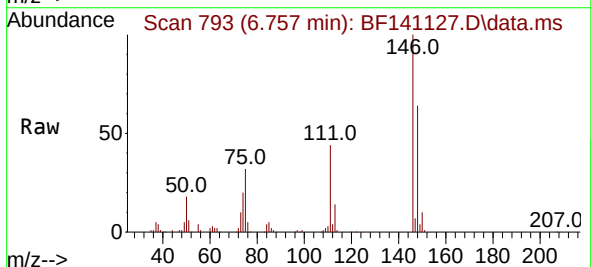
Tgt Ion:146 Resp: 98539

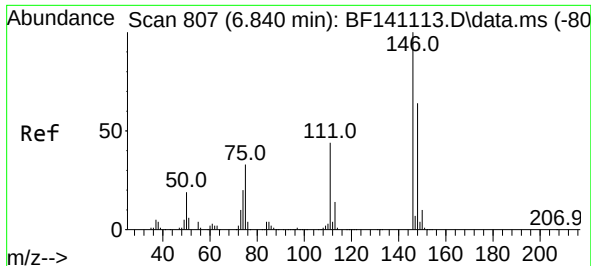
Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

75 32.3 26.2 39.2

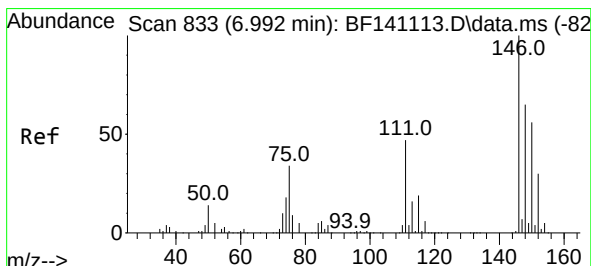
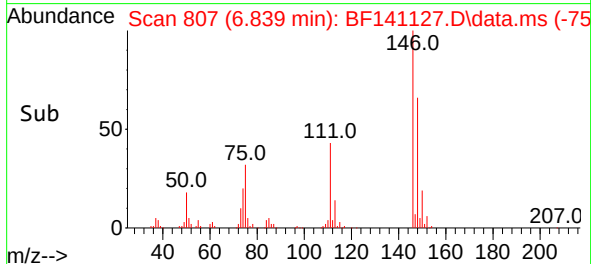
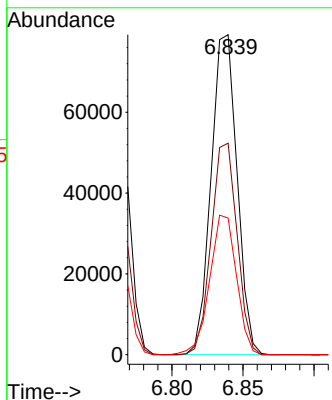
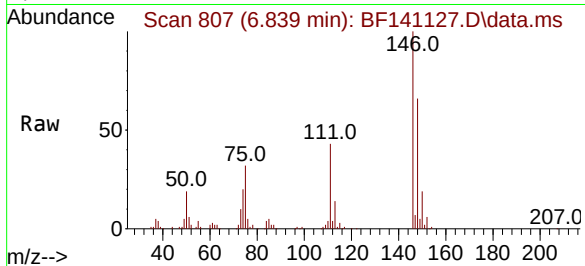




#13
1,4-Dichlorobenzene
Concen: 8.192 ng
RT: 6.839 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

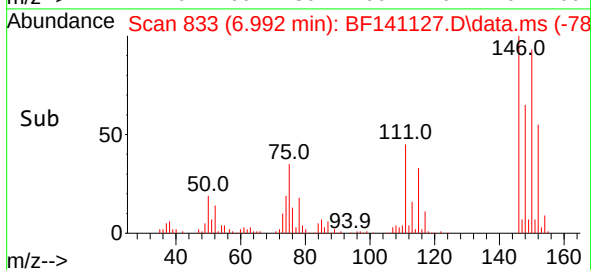
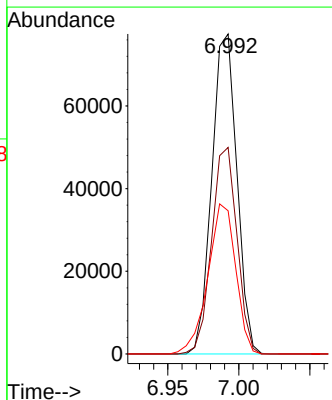
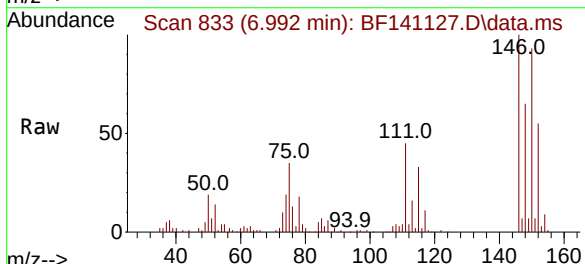
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

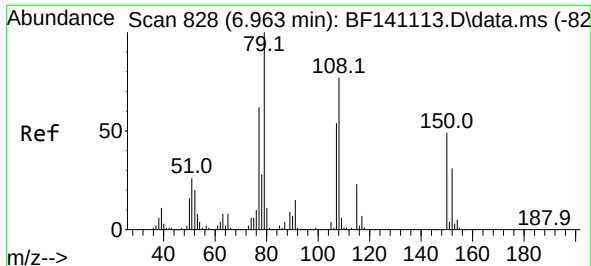
Tgt Ion:146 Resp: 100883
Ion Ratio Lower Upper
146 100
148 66.1 51.0 76.6
111 42.7 34.9 52.3



#14
1,2-Dichlorobenzene
Concen: 8.267 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:146 Resp: 94974
Ion Ratio Lower Upper
146 100
148 64.6 52.2 78.4
111 44.8 37.5 56.3

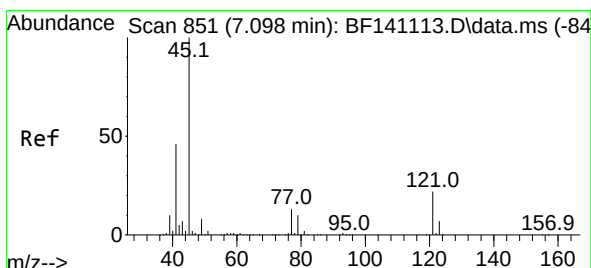
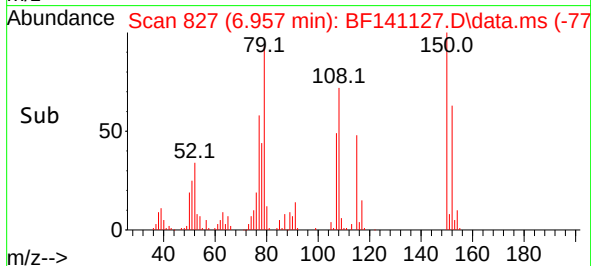
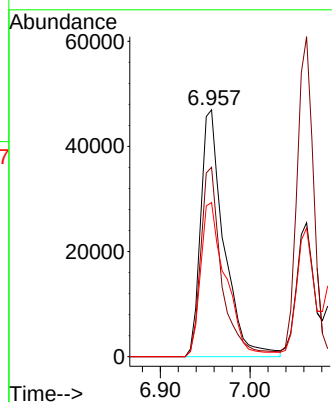
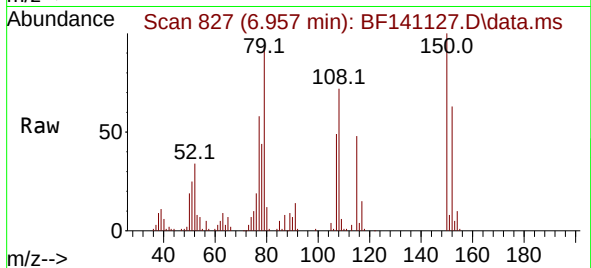




#15
Benzyl Alcohol
Concen: 9.045 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

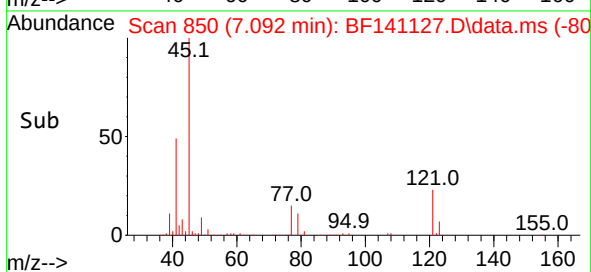
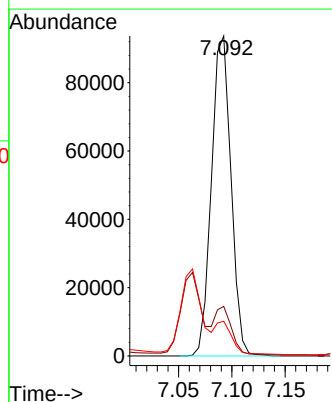
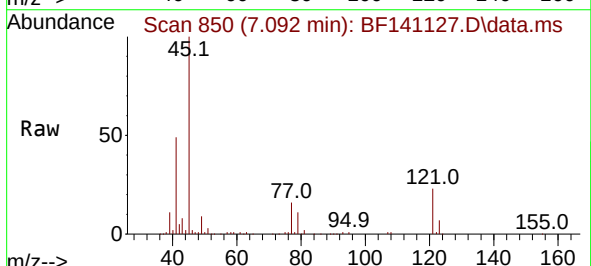
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

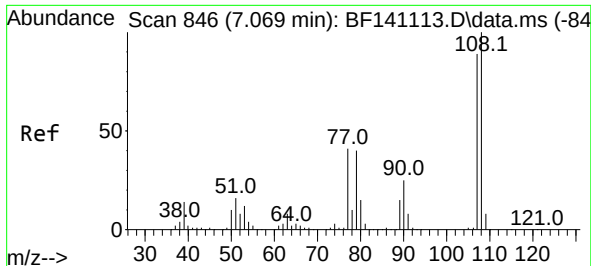
Tgt Ion: 79 Resp: 84503
Ion Ratio Lower Upper
79 100
108 76.8 61.4 92.0
77 62.4 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.303 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion: 45 Resp: 119579
Ion Ratio Lower Upper
45 100
77 15.5 0.0 34.1
79 10.8 0.0 31.0

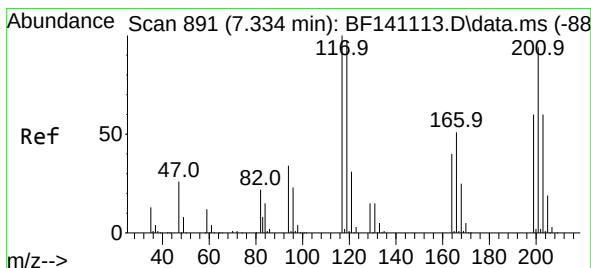
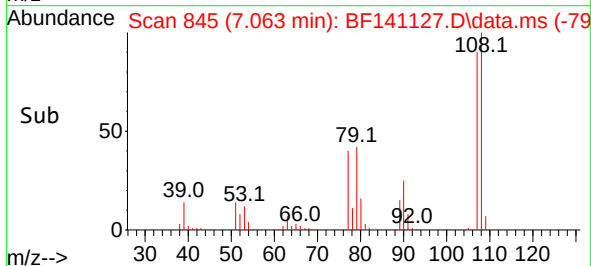
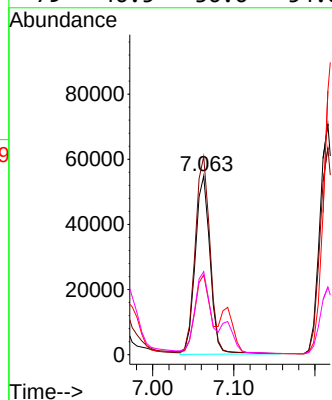
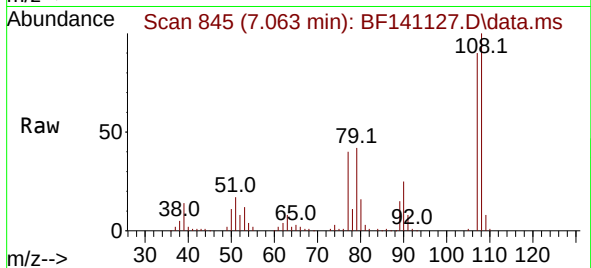




#17
2-Methylphenol
Concen: 7.917 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

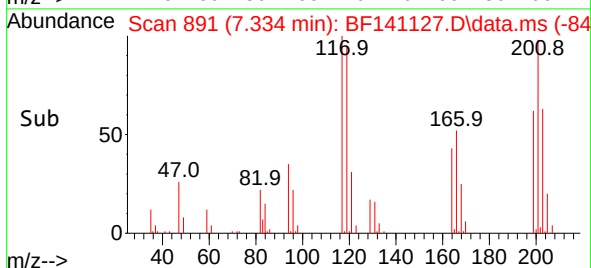
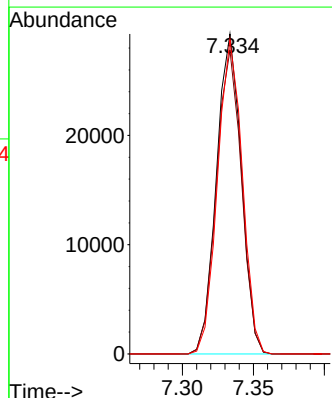
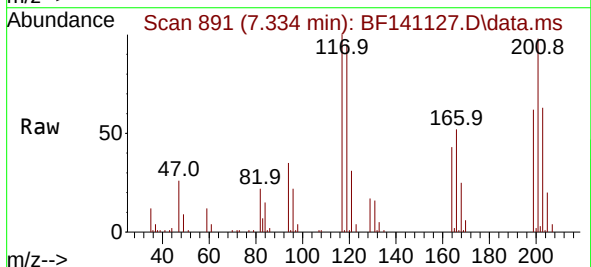
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

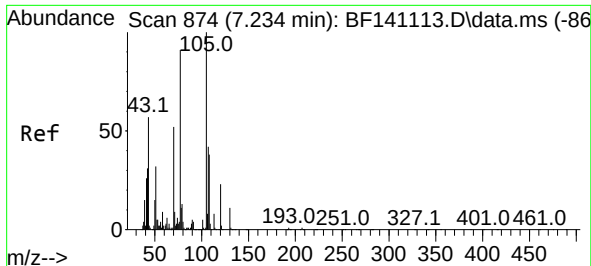
Tgt Ion:	107	Resp:	70039
Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.1	135.1
77	44.6	36.6	55.0
79	46.5	36.6	54.8



#18
Hexachloroethane
Concen: 8.014 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:	117	Resp:	35689
Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.6	116.4
201	98.2	75.1	112.7

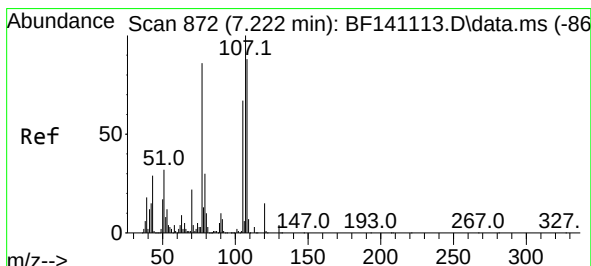
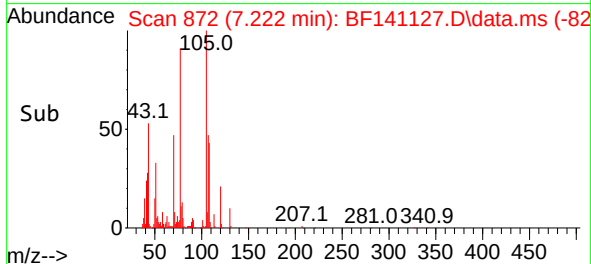
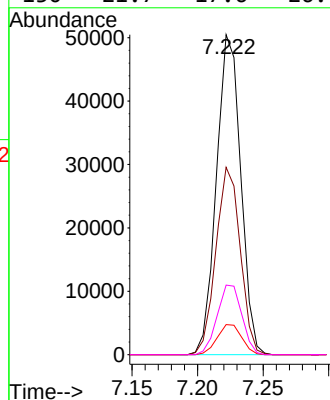
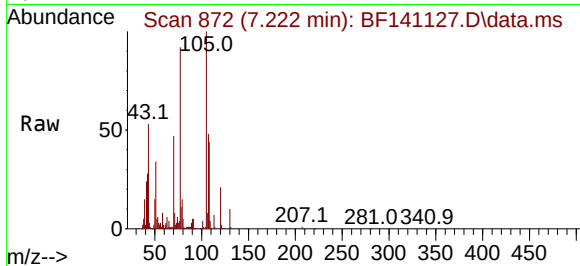




#19
n-Nitroso-di-n-propylamine
Concen: 8.518 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

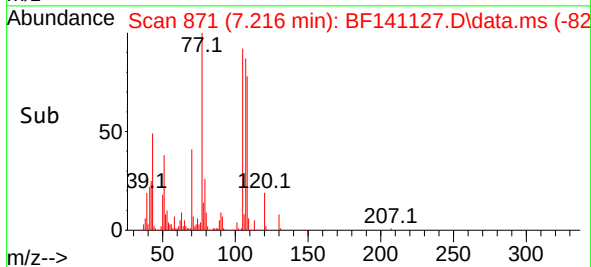
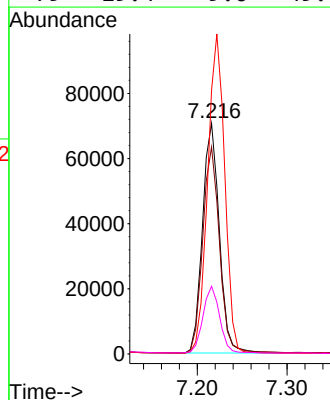
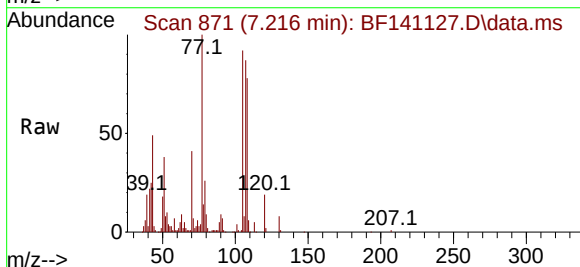
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

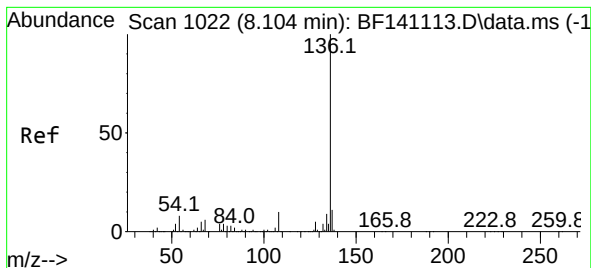
Tgt Ion:	70	Resp:	64913
Ion	Ratio	Lower	Upper
70	100		
42	58.5	47.8	71.6
101	9.4	7.9	11.9
130	21.7	17.6	26.4



#20
3+4-Methylphenols
Concen: 8.213 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:	107	Resp:	91666
Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.3	108.3
77	114.4	66.4	106.4#
79	29.4	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141127.D

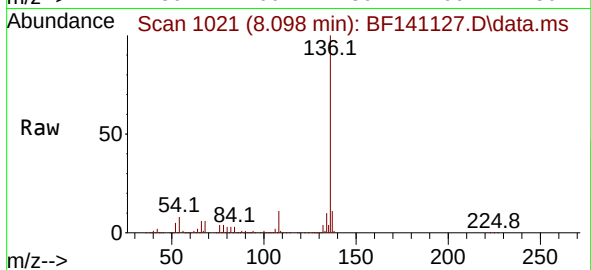
Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:136 Resp: 628828

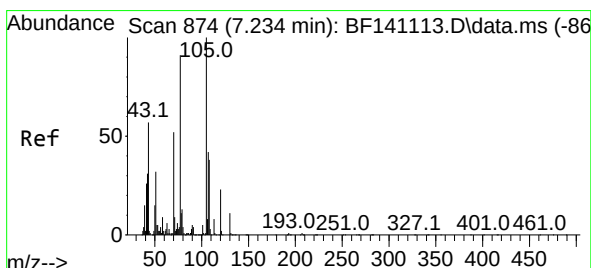
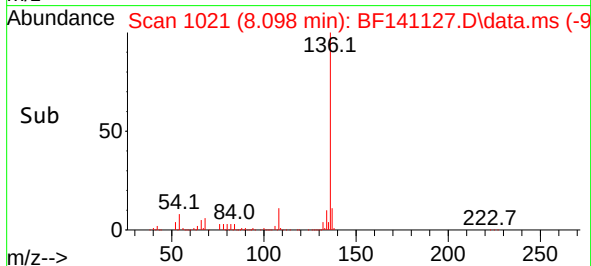
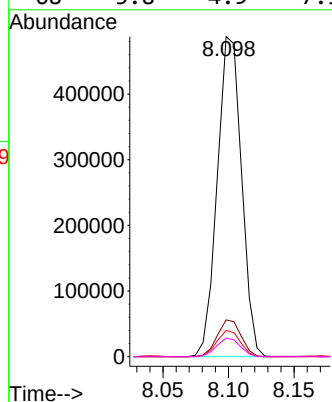
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 8.2 6.3 9.5

68 5.8 4.9 7.3



#22

Acetophenone

Concen: 8.893 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Tgt Ion:105 Resp: 132943

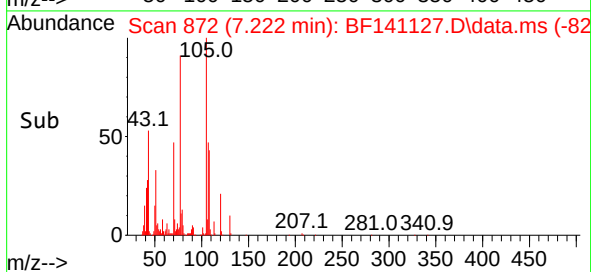
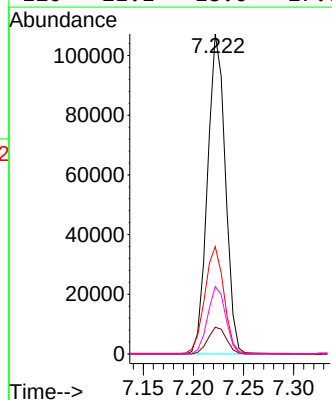
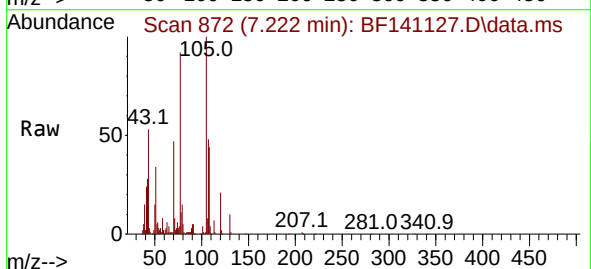
Ion Ratio Lower Upper

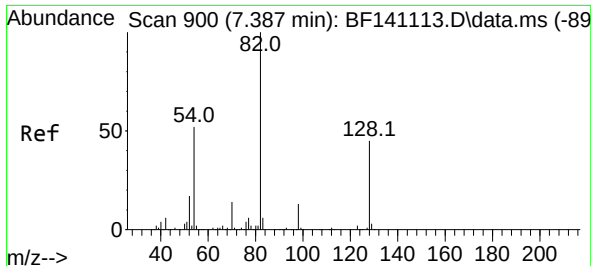
105 100

71 8.3 7.1 10.7

51 33.6 25.4 38.2

120 21.1 18.0 27.0

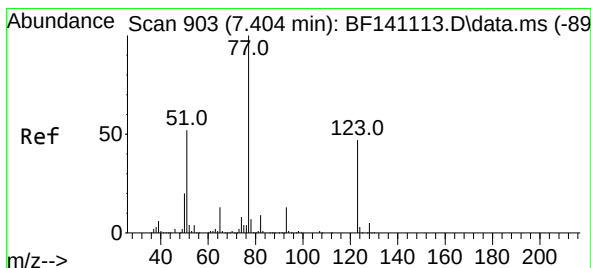
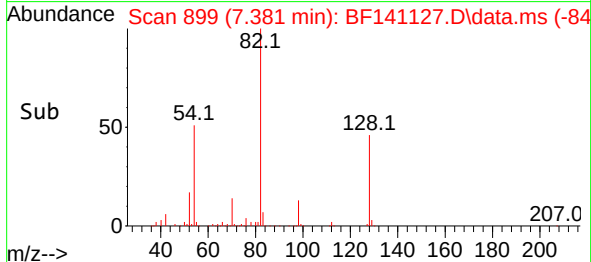
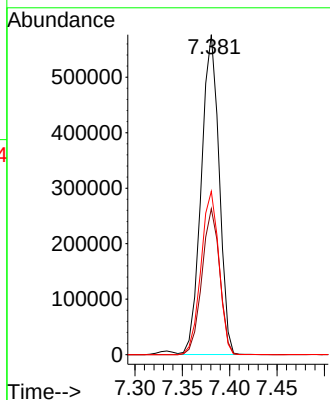
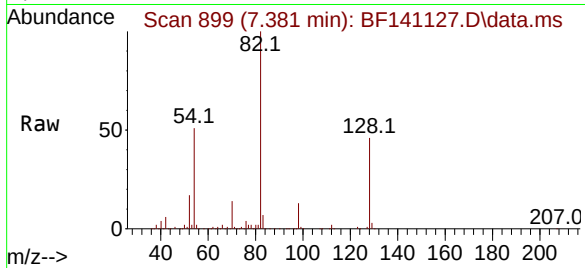




#23
Nitrobenzene-d5
Concen: 63.612 ng
RT: 7.381 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

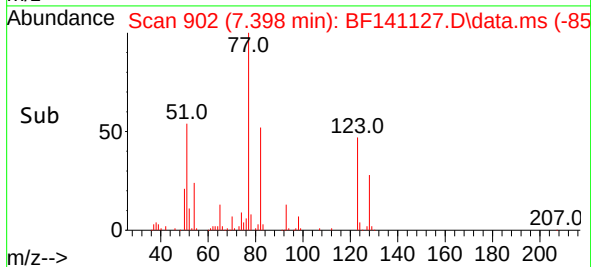
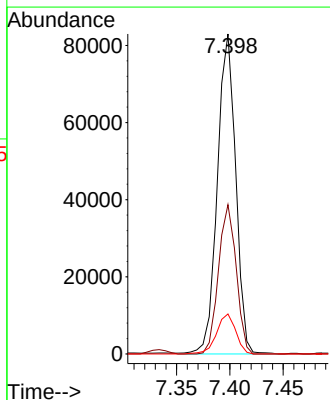
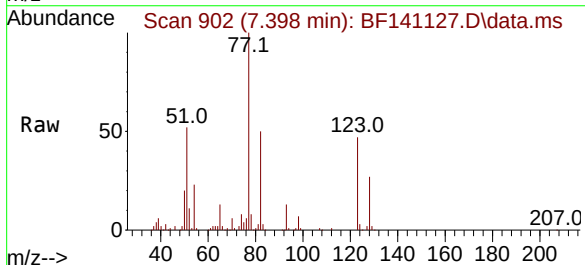
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

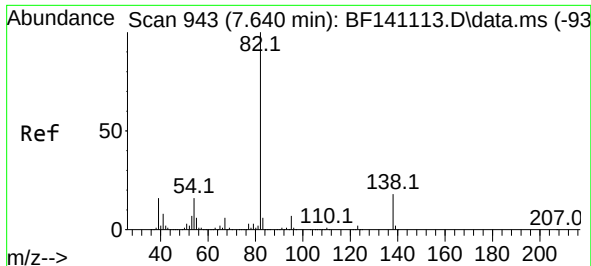
Tgt Ion: 82 Resp: 754615
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 51.1 41.0 61.4



#24
Nitrobenzene
Concen: 8.034 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion: 77 Resp: 99329
Ion Ratio Lower Upper
77 100
123 46.6 37.7 56.5
65 12.5 10.6 16.0

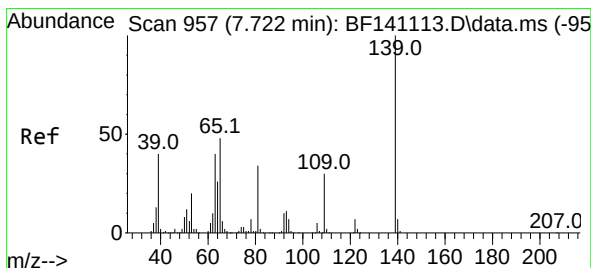
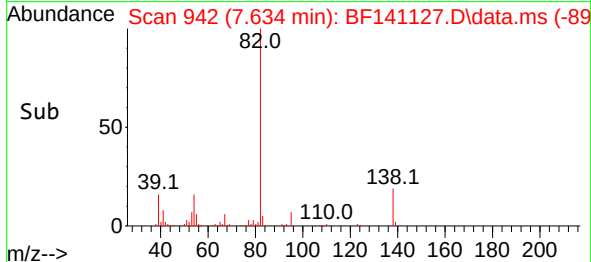
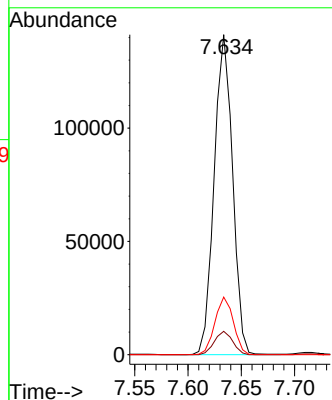
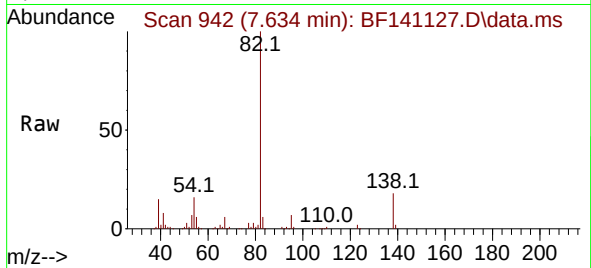




#25
Isophorone
Concen: 8.357 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

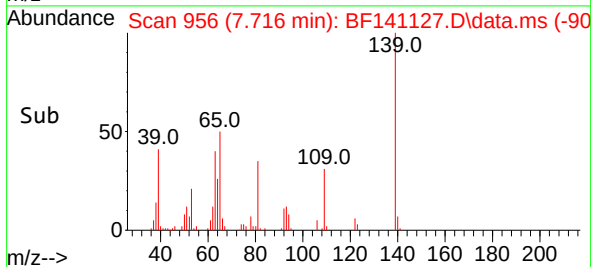
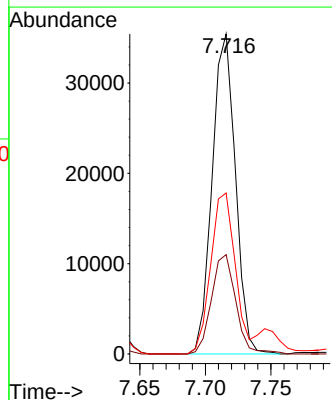
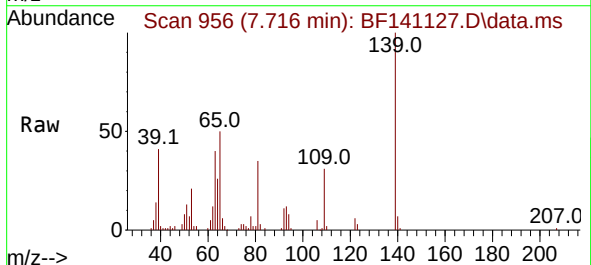
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

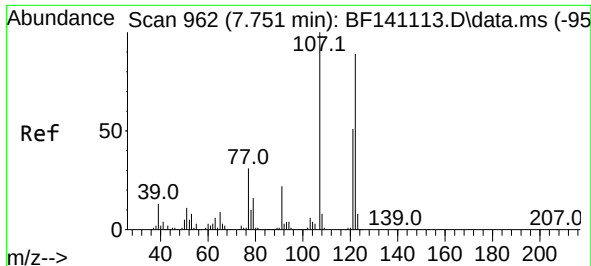
Tgt Ion: 82 Resp: 169423
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 18.0 14.2 21.2



#26
2-Nitrophenol
Concen: 7.770 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:139 Resp: 43700
Ion Ratio Lower Upper
139 100
109 31.1 23.8 35.6
65 50.3 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 5.271 ng

RT: 7.745 min Scan# 9

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

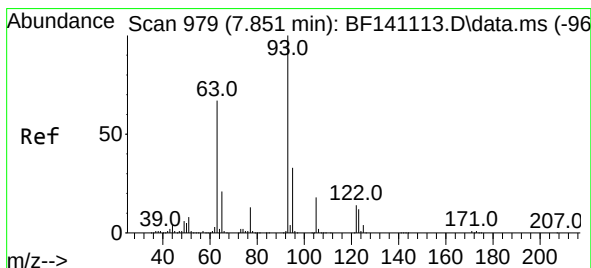
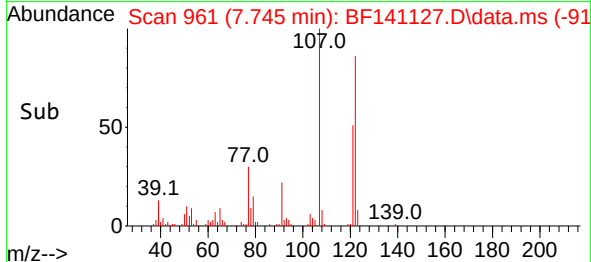
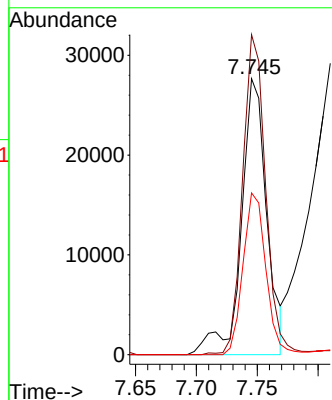
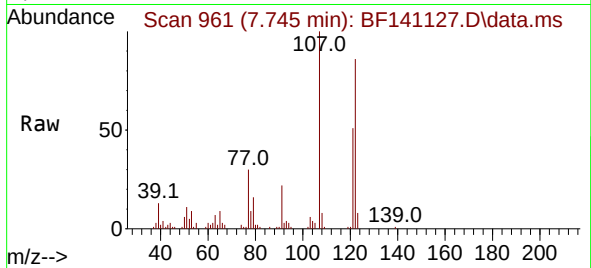
Tgt Ion:122 Resp: 39984

Ion Ratio Lower Upper

122 100

107 116.0 90.3 135.5

121 58.6 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 8.286 ng

RT: 7.851 min Scan# 979

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

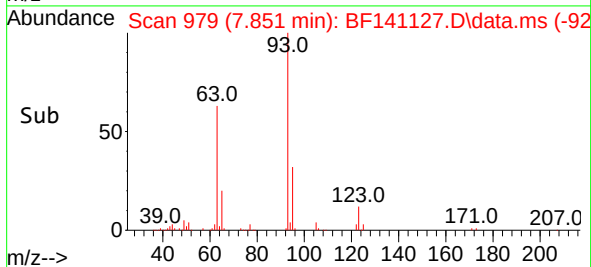
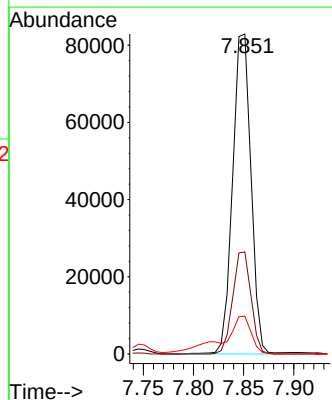
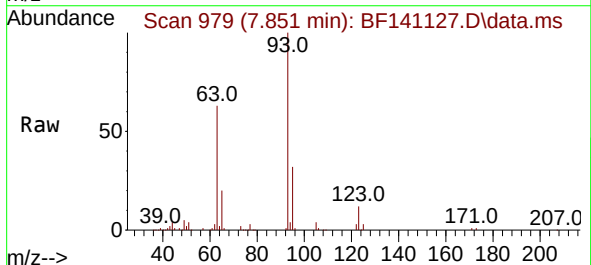
Tgt Ion: 93 Resp: 105425

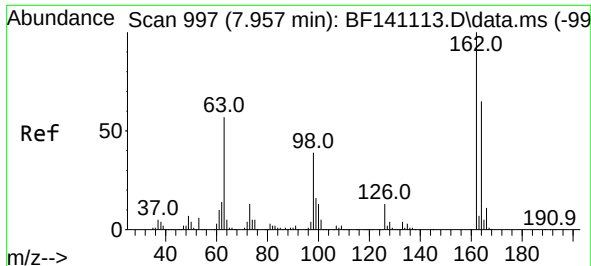
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.4

123 11.8 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 8.162 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

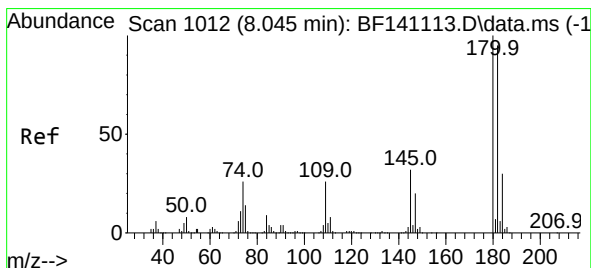
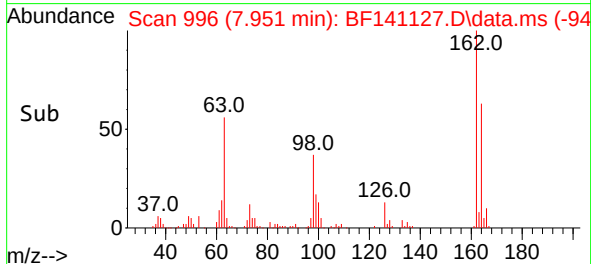
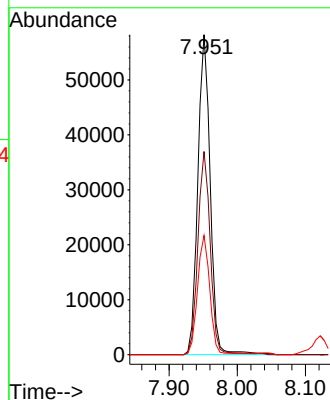
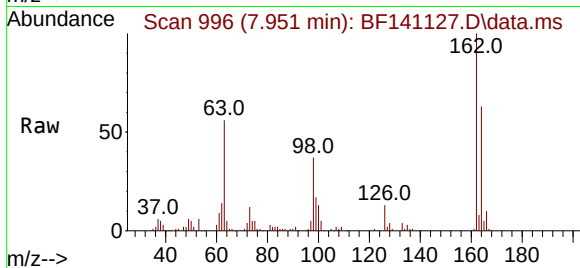
Tgt Ion:162 Resp: 73533

Ion Ratio Lower Upper

162 100

164 63.5 44.5 84.5

98 37.2 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 8.015 ng

RT: 8.039 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

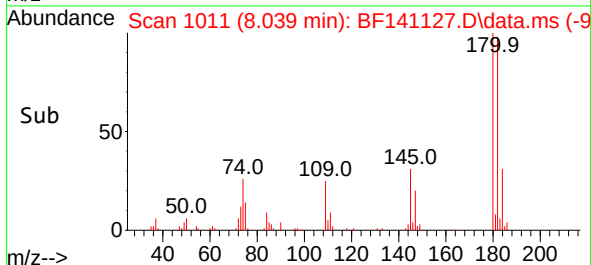
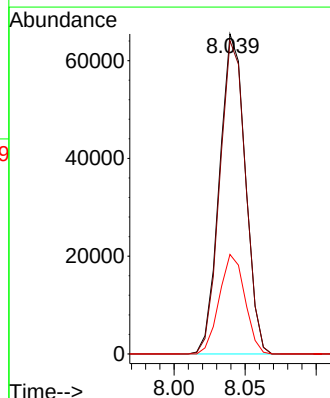
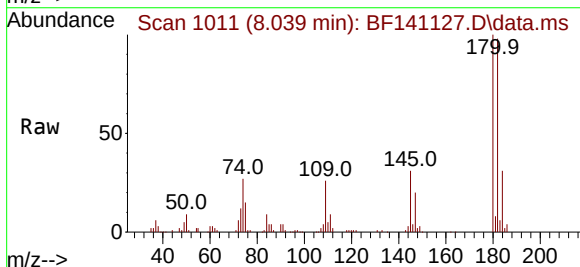
Tgt Ion:180 Resp: 82537

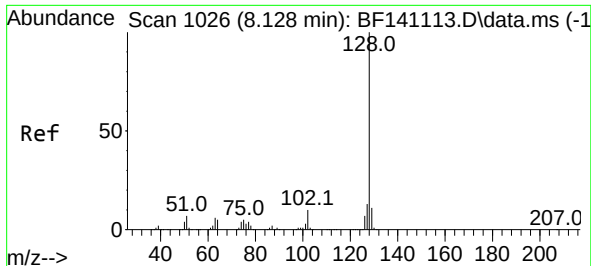
Ion Ratio Lower Upper

180 100

182 97.9 76.2 114.2

145 31.1 25.3 37.9

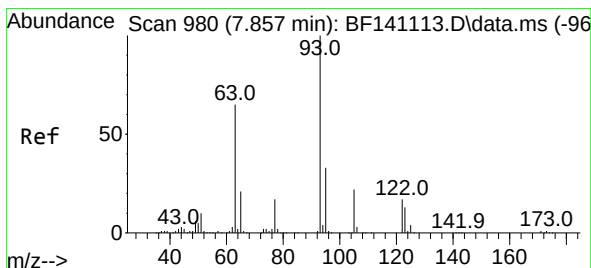
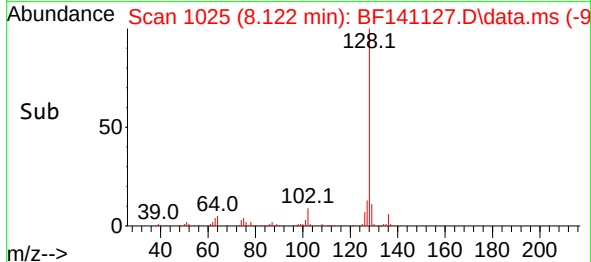
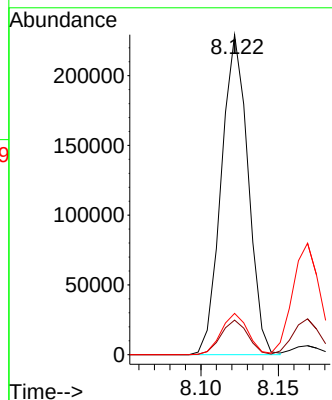
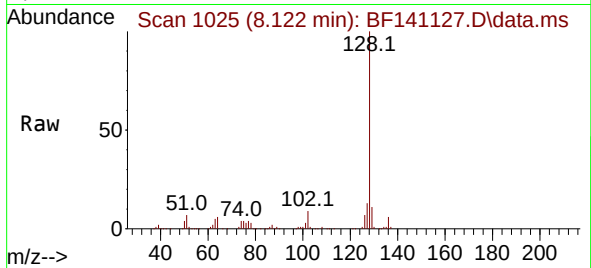




#31
Naphthalene
Concen: 8.300 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

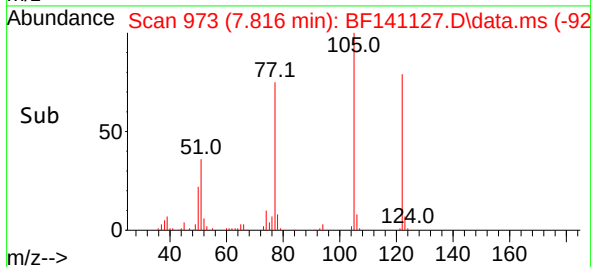
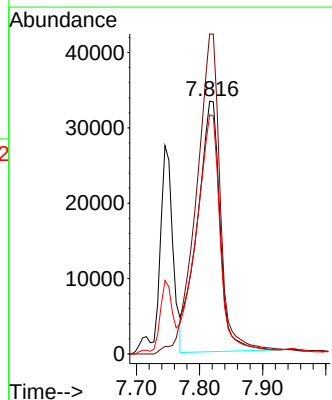
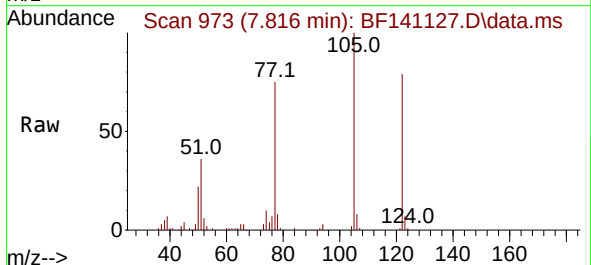
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

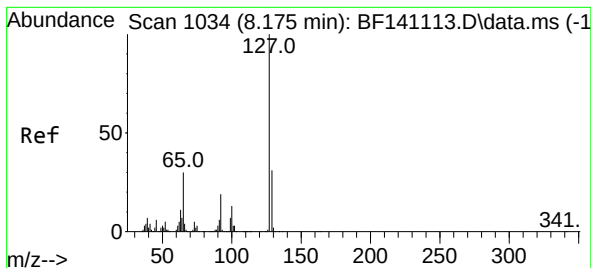
Tgt Ion:128 Resp: 275249
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.9 10.8 16.2



#32
Benzoic acid
Concen: 11.423 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.041 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:122 Resp: 83128
Ion Ratio Lower Upper
122 100
105 126.6 105.5 145.5
77 94.6 75.1 115.1





#33

4-Chloroaniline

Concen: 8.991 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion:127 Resp: 103113

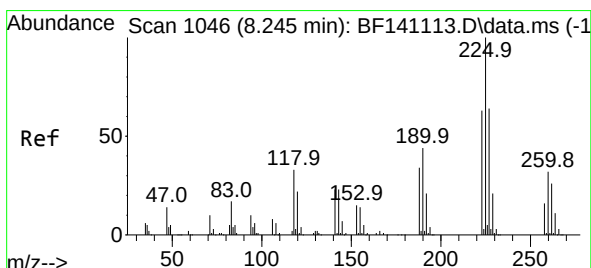
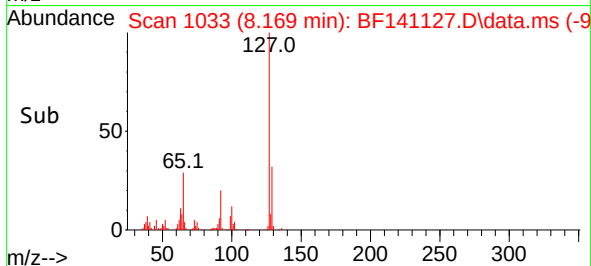
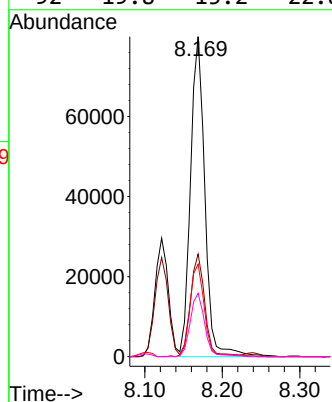
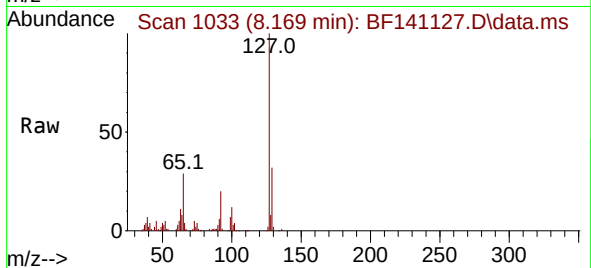
Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 28.9 23.8 35.8

92 19.8 15.2 22.8



#34

Hexachlorobutadiene

Concen: 7.835 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

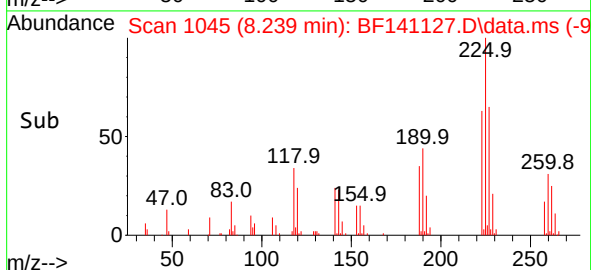
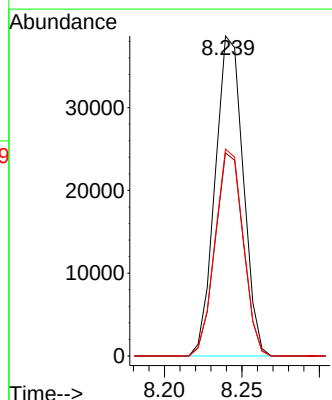
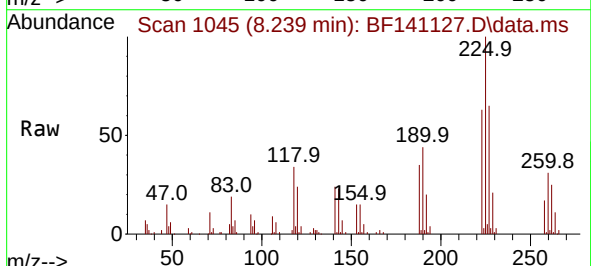
Tgt Ion:225 Resp: 48621

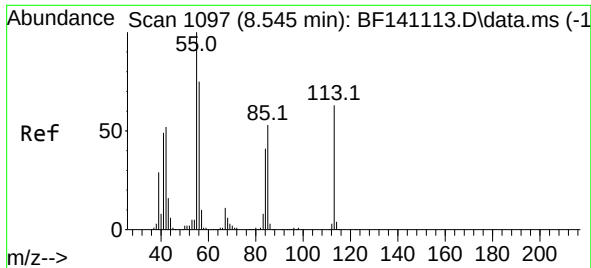
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

227 64.7 51.6 77.4

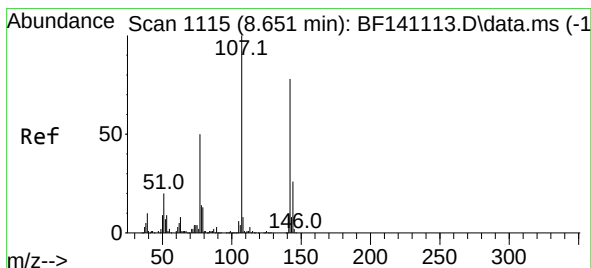
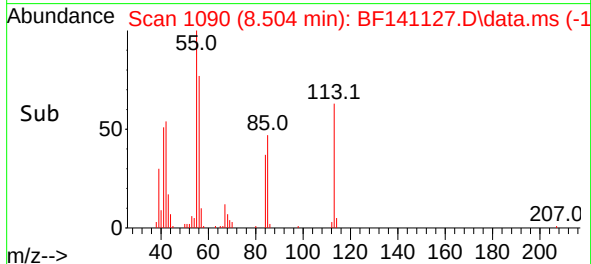
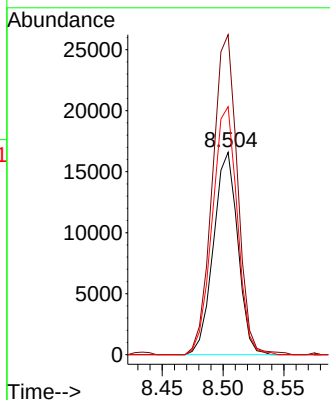
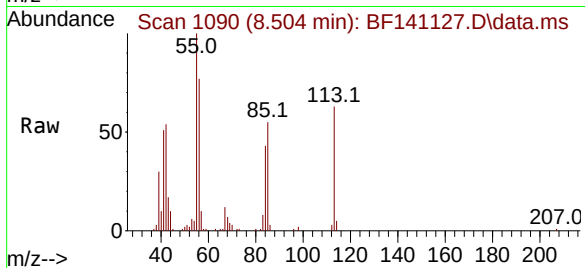




#35
 Caprolactam
 Concen: 7.831 ng
 RT: 8.504 min Scan# 1109
 Delta R.T. -0.041 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

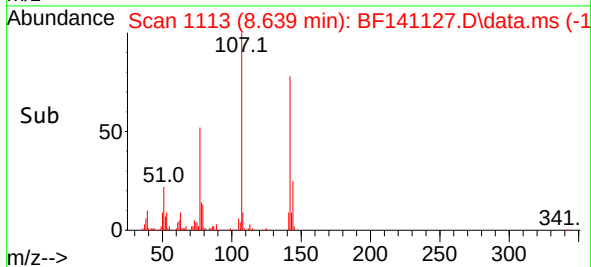
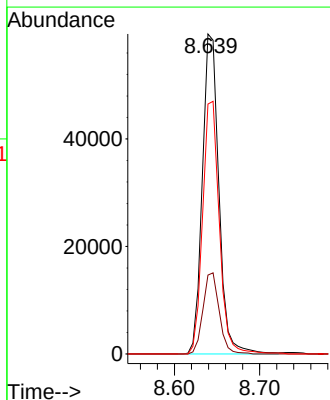
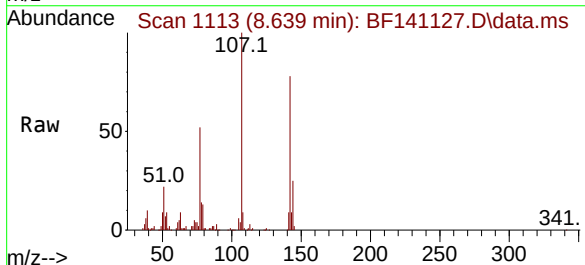
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

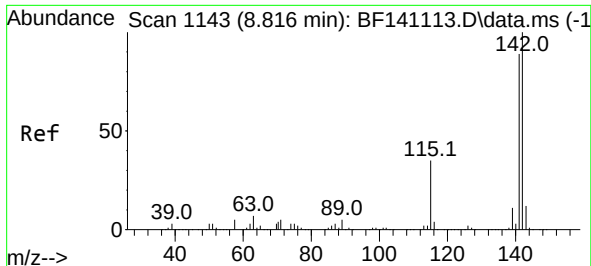
Tgt Ion:113 Resp: 23099
 Ion Ratio Lower Upper
 113 100
 55 158.1 139.7 179.7
 56 122.5 99.4 139.4



#36
 4-Chloro-3-methylphenol
 Concen: 8.165 ng
 RT: 8.639 min Scan# 1113
 Delta R.T. -0.012 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

Tgt Ion:107 Resp: 80450
 Ion Ratio Lower Upper
 107 100
 144 24.6 20.4 30.6
 142 78.1 62.2 93.2

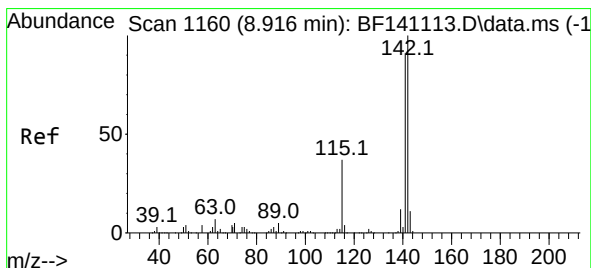
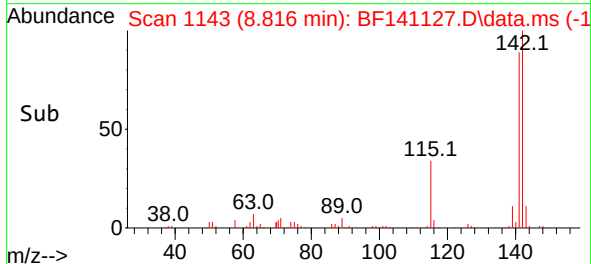
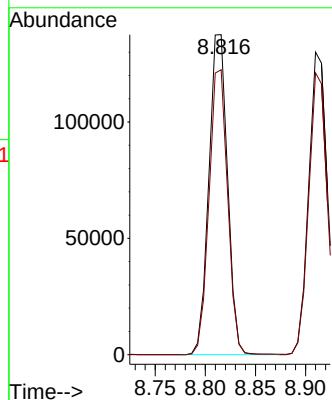
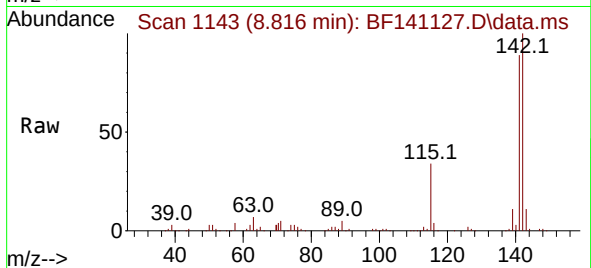




#37
2-Methylnaphthalene
Concen: 8.459 ng
RT: 8.816 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

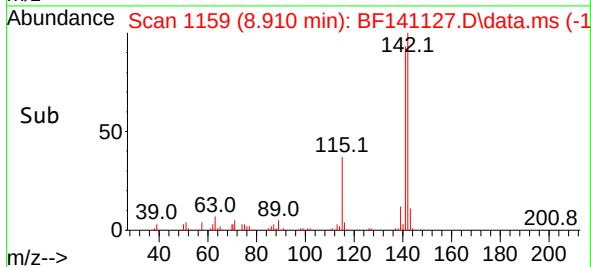
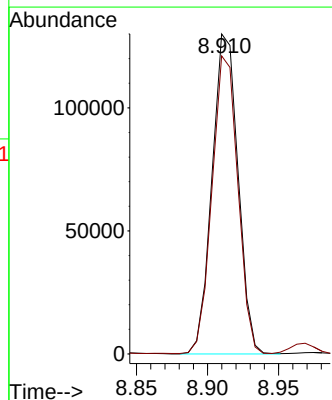
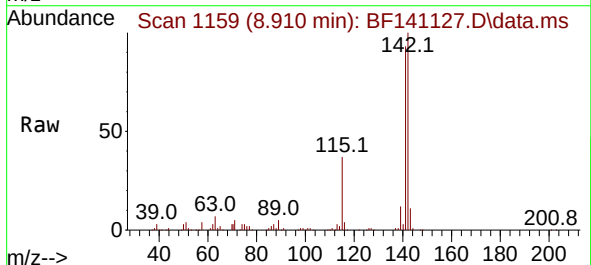
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2024

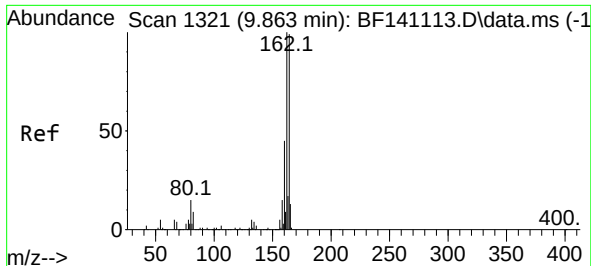
Tgt Ion:142 Resp: 178747
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9



#38
1-Methylnaphthalene
Concen: 7.957 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:142 Resp: 165720
Ion Ratio Lower Upper
142 100
141 93.1 73.1 109.7

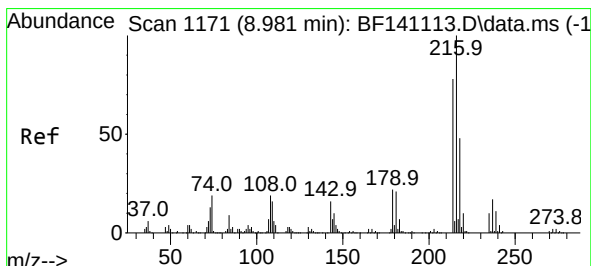
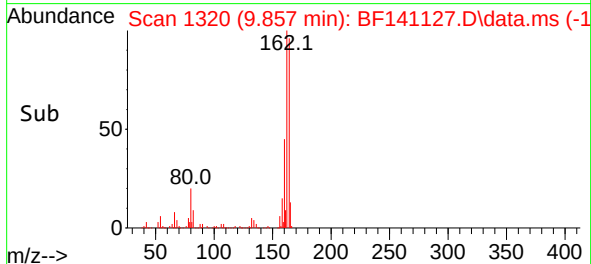
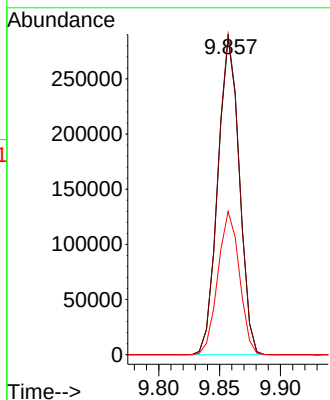
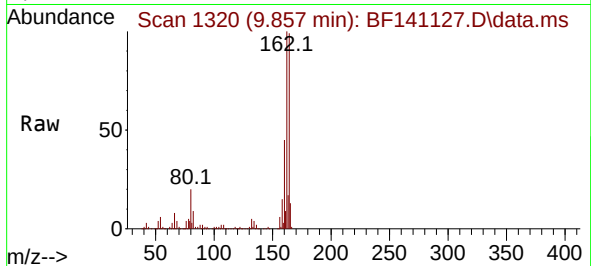




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11320
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

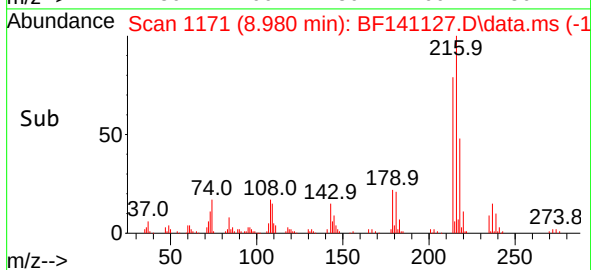
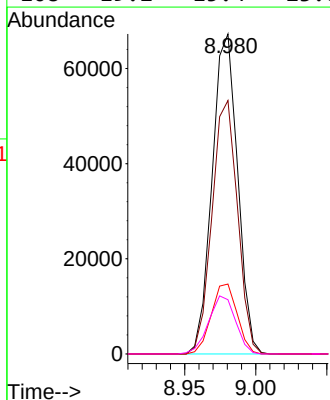
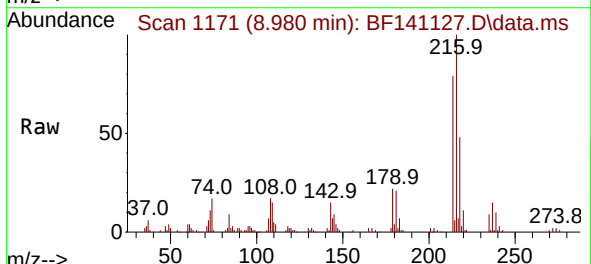
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

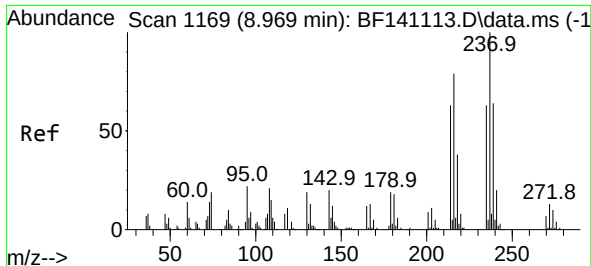
Tgt Ion:164 Resp: 352180
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.2 36.1 54.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.295 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:216 Resp: 83852
Ion Ratio Lower Upper
216 100
214 79.4 62.6 94.0
179 22.3 17.7 26.5
108 19.2 15.4 23.0

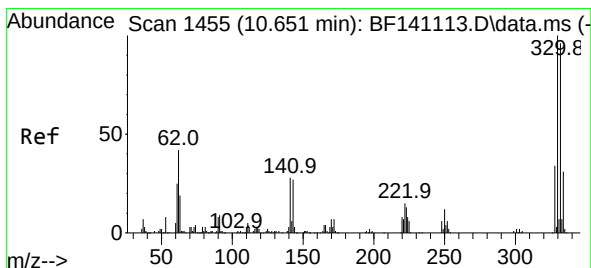
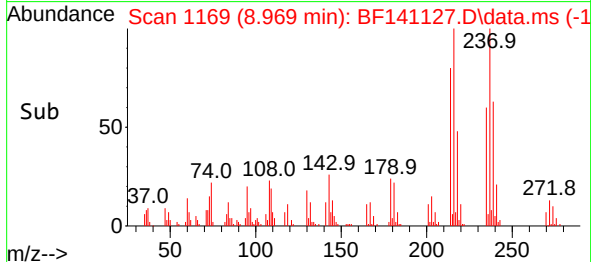
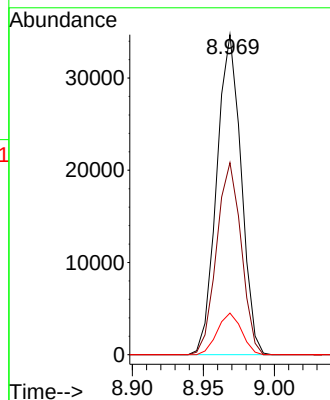
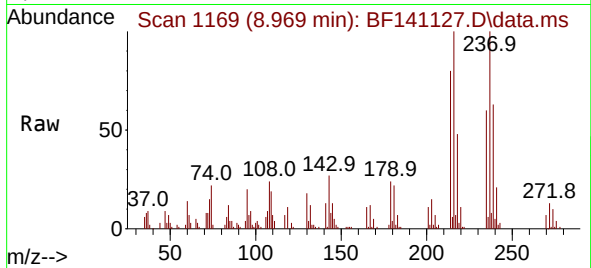




#41
Hexachlorocyclopentadiene
Concen: 12.529 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

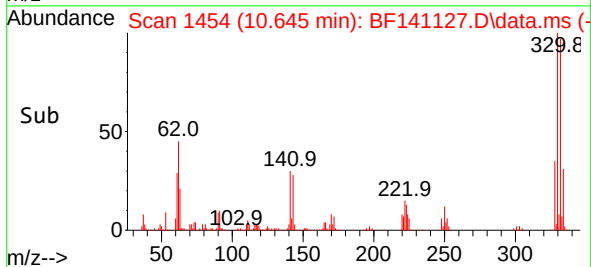
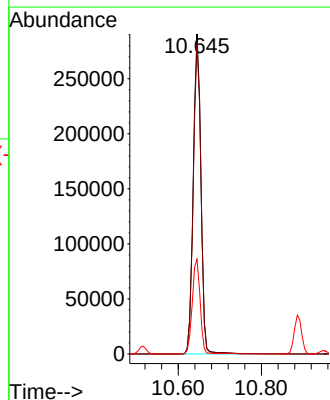
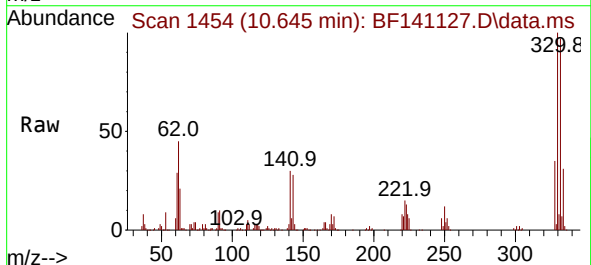
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

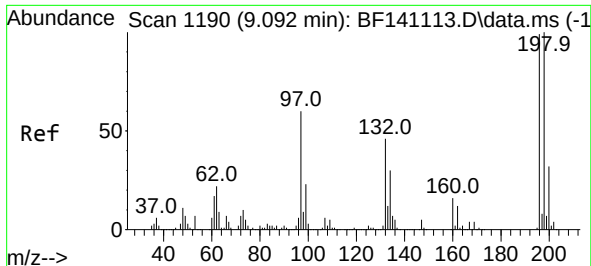
Tgt Ion:237	Resp:	41435
Ion Ratio	Lower	Upper
237	100	
235	60.0	43.0 83.0
272	13.0	0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 92.776 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:330	Resp:	372298
Ion Ratio	Lower	Upper
330	100	
332	96.7	76.9 115.3
141	30.2	25.2 37.8

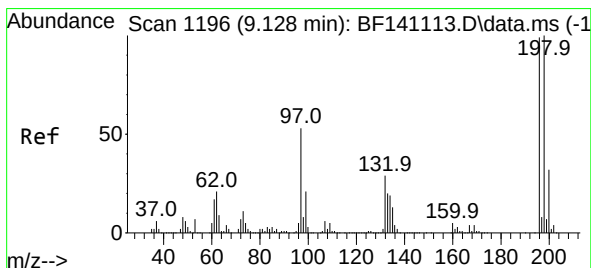
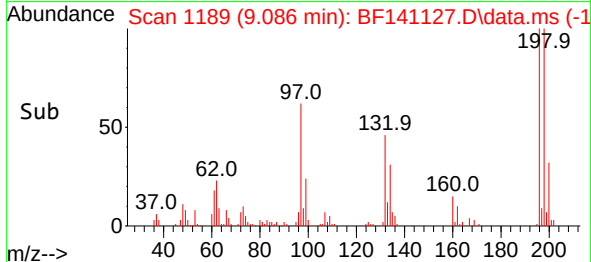
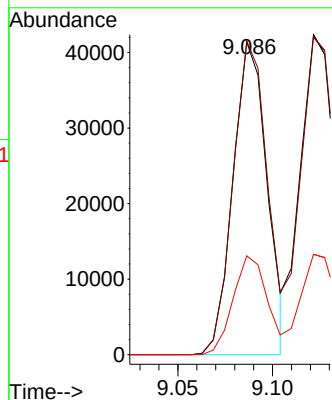
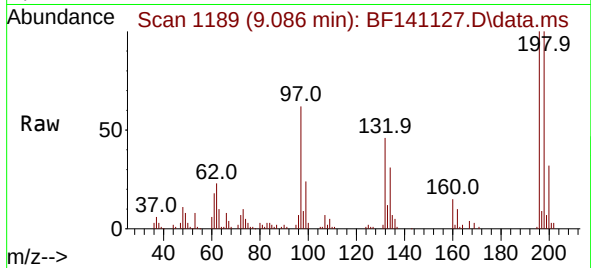




#43
2,4,6-Trichlorophenol
Concen: 7.580 ng
RT: 9.086 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

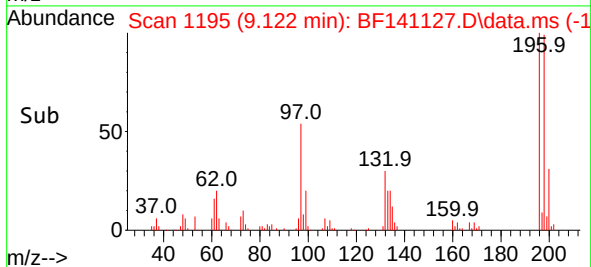
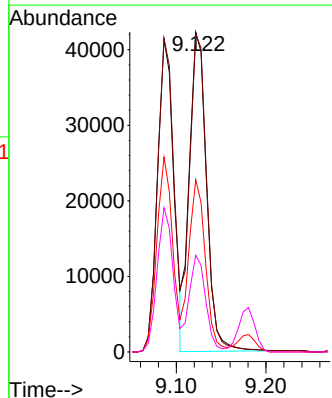
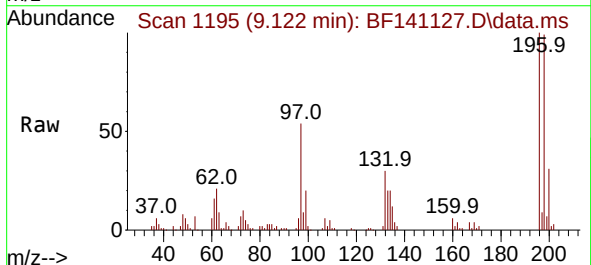
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

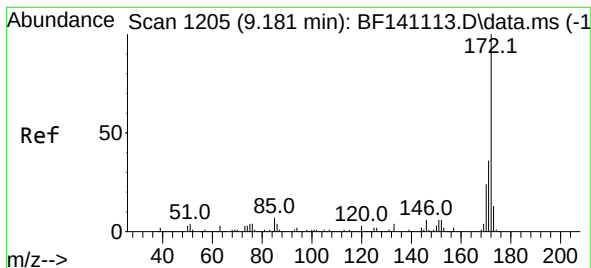
Tgt Ion:196 Resp: 51673
Ion Ratio Lower Upper
196 100
198 100.4 80.8 121.2
200 31.6 25.7 38.5



#44
2,4,5-Trichlorophenol
Concen: 7.823 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:196 Resp: 56325
Ion Ratio Lower Upper
196 100
198 99.3 80.6 120.8
97 53.8 43.1 64.7
132 30.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 62.148 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

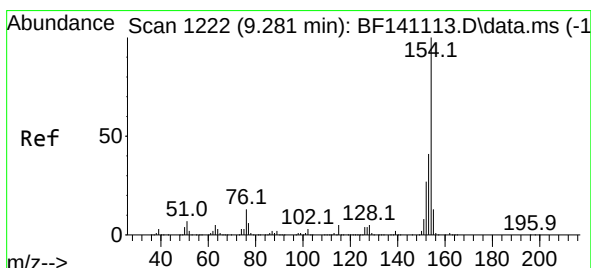
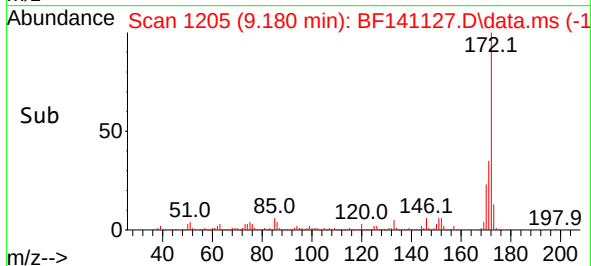
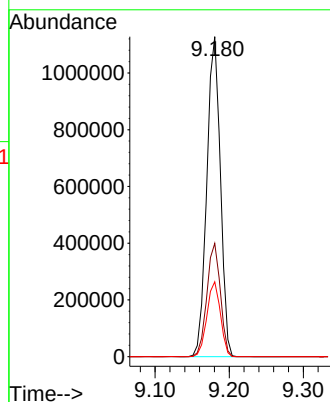
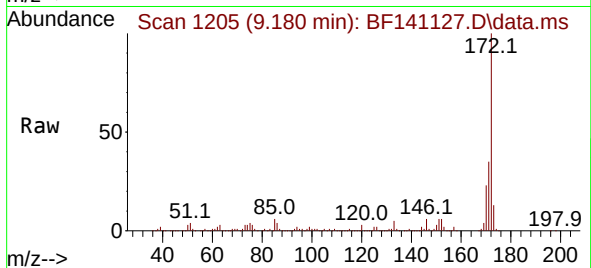
Tgt Ion:172 Resp: 1433321

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.4 19.0 28.6



#46

1,1'-Biphenyl

Concen: 8.636 ng

RT: 9.280 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

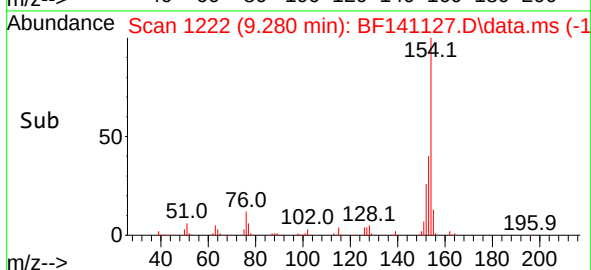
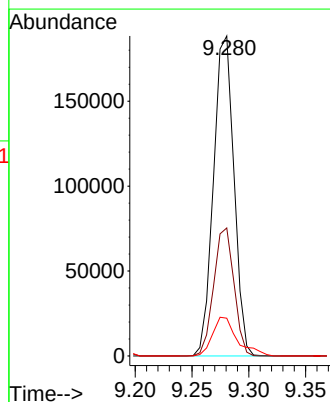
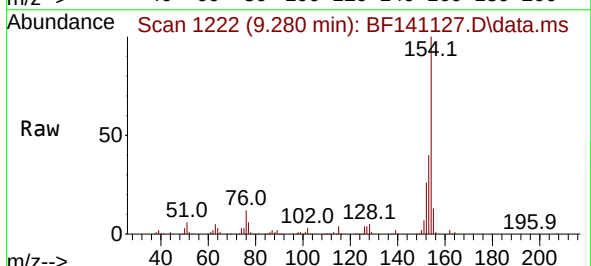
Tgt Ion:154 Resp: 236188

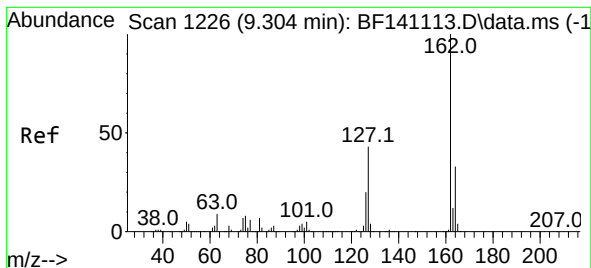
Ion Ratio Lower Upper

154 100

153 40.0 20.7 60.7

76 11.8 0.0 33.1





#47

2-Chloronaphthalene

Concen: 7.842 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

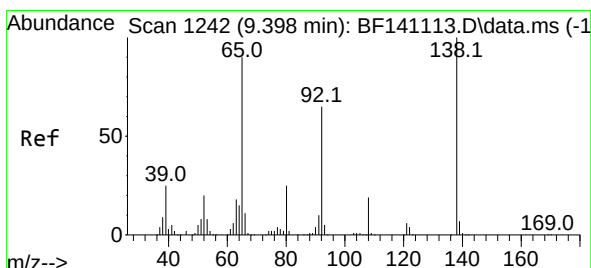
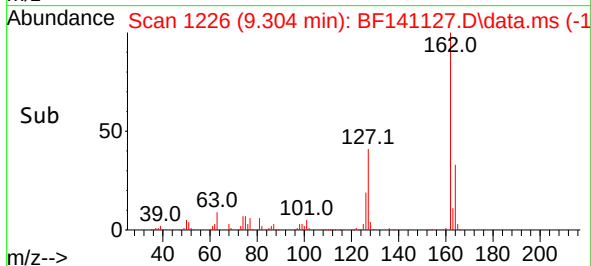
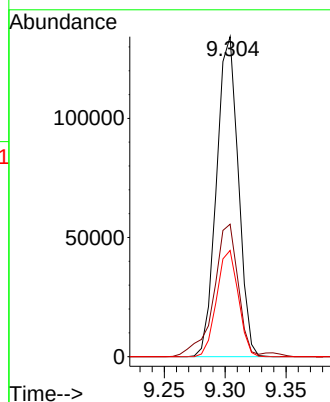
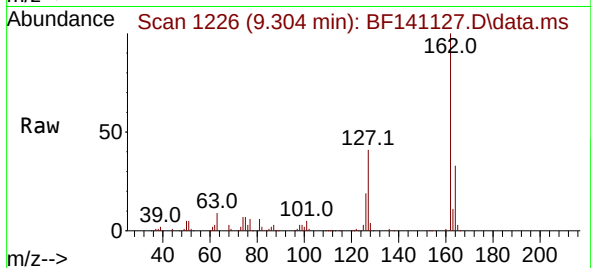
Tgt Ion:162 Resp: 167053

Ion Ratio Lower Upper

162 100

127 41.4 34.6 51.8

164 33.2 26.5 39.7



#48

2-Nitroaniline

Concen: 7.629 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

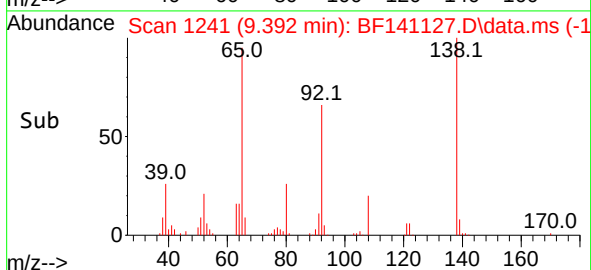
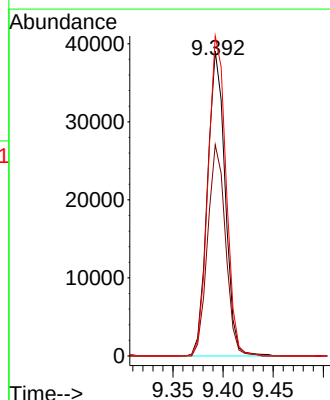
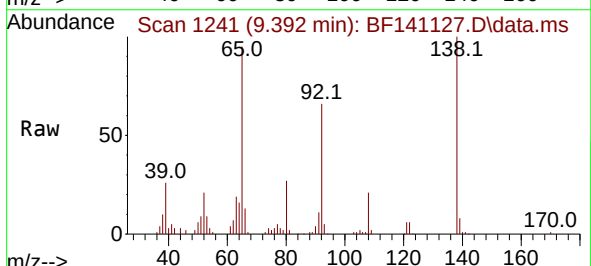
Tgt Ion: 65 Resp: 48177

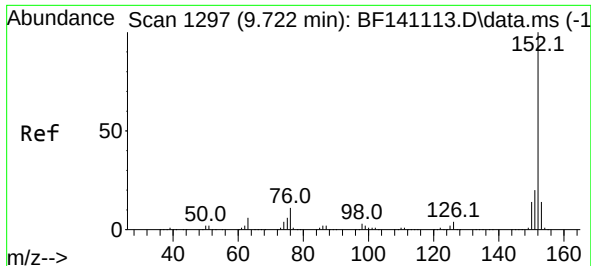
Ion Ratio Lower Upper

65 100

92 69.3 58.3 87.5

138 104.9 89.1 133.7





#49

Acenaphthylene

Concen: 8.525 ng

RT: 9.716 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

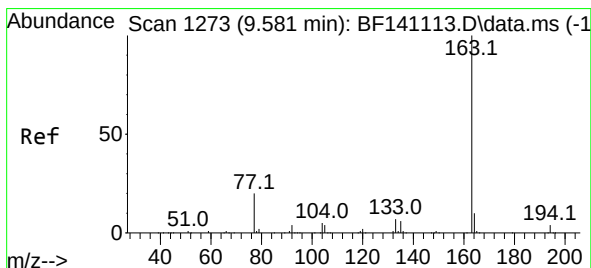
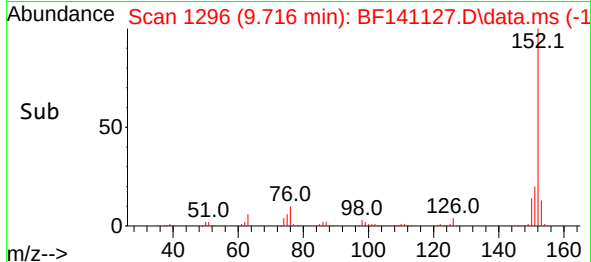
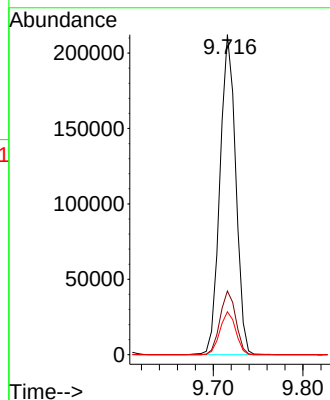
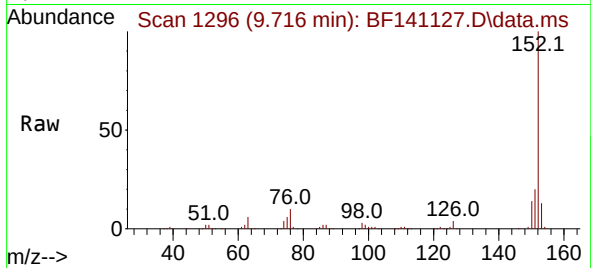
Tgt Ion:152 Resp: 259446

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 13.4 11.1 16.7



#50

Dimethylphthalate

Concen: 8.152 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

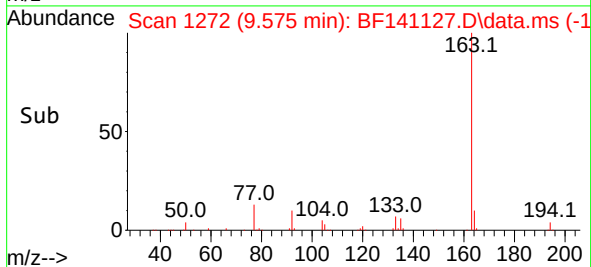
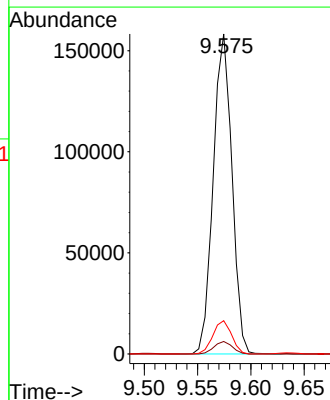
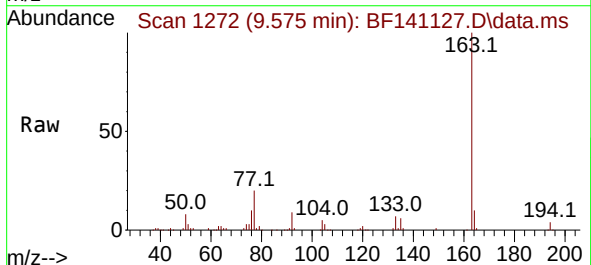
Tgt Ion:163 Resp: 192749

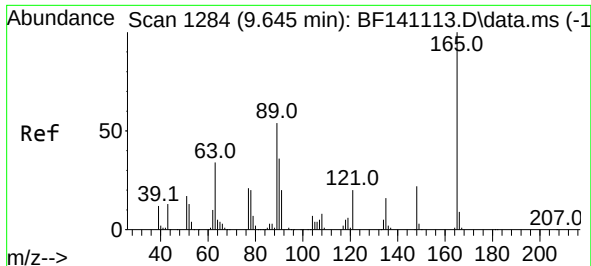
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.4 8.2 12.4

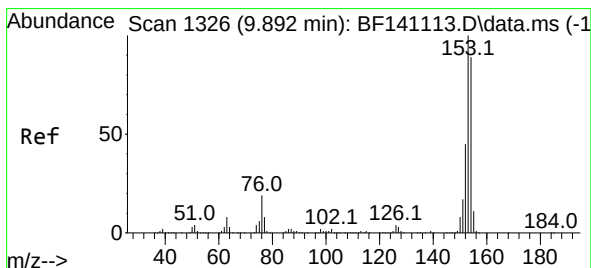
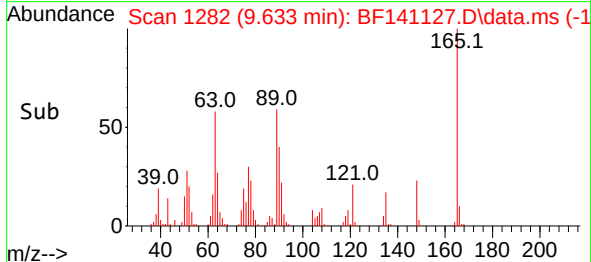
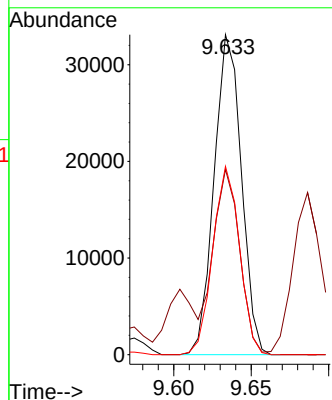
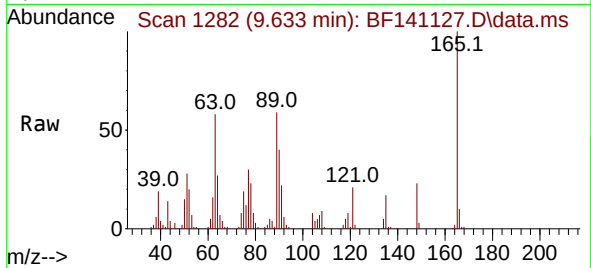




#51
2,6-Dinitrotoluene
Concen: 7.375 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

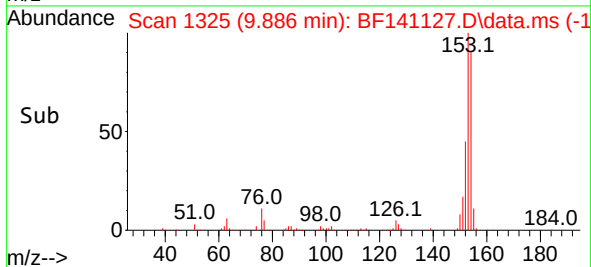
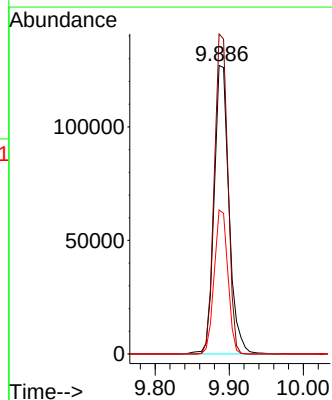
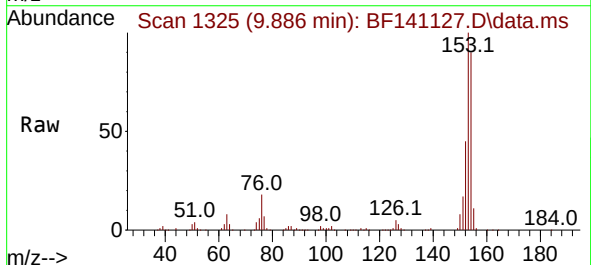
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

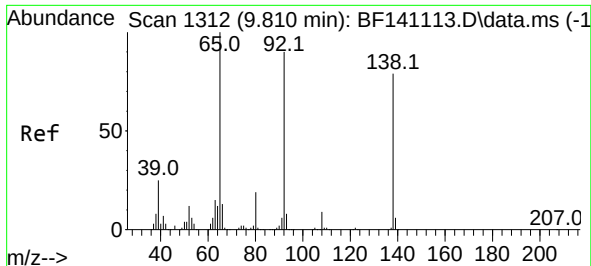
Tgt Ion:165 Resp: 40548
Ion Ratio Lower Upper
165 100
63 57.9 42.3 63.5
89 58.9 43.1 64.7



#52
Acenaphthene
Concen: 8.320 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:154 Resp: 176902
Ion Ratio Lower Upper
154 100
153 110.9 89.8 134.6
152 49.9 40.8 61.2

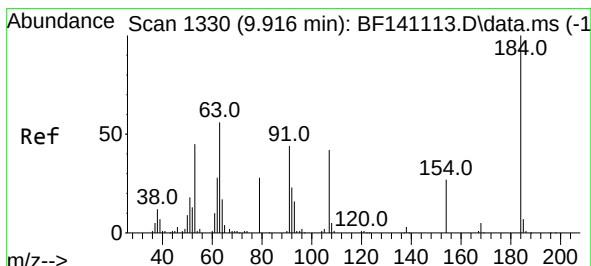
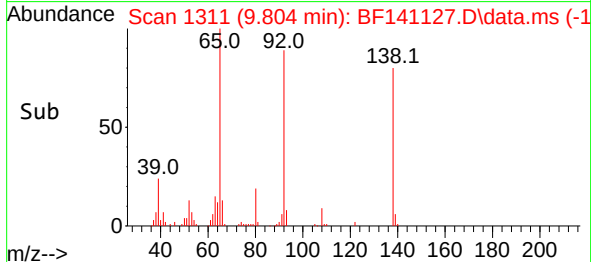
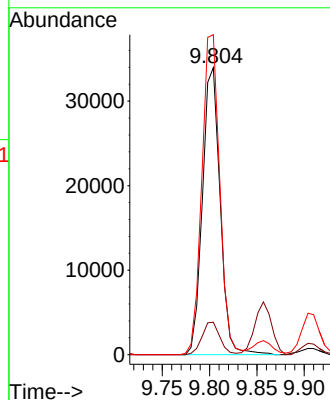
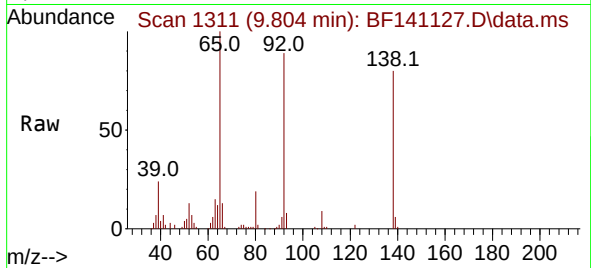




#53
3-Nitroaniline
Concen: 7.913 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

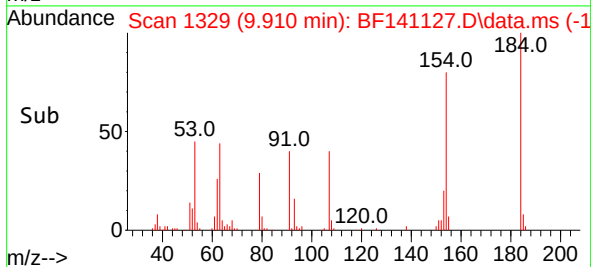
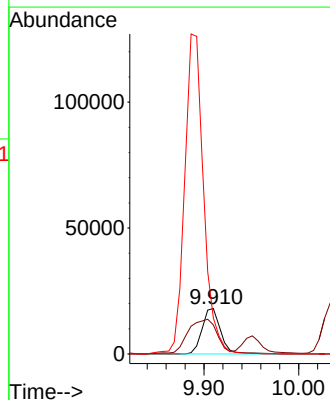
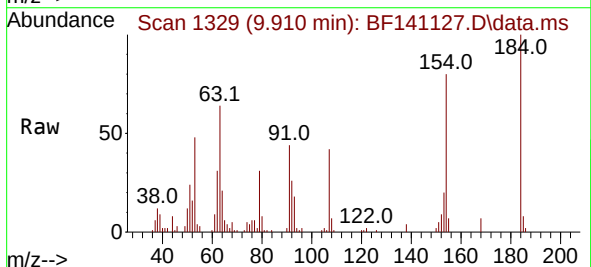
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

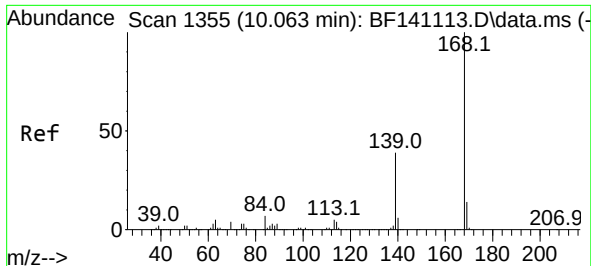
Tgt Ion:138 Resp: 44212
Ion Ratio Lower Upper
138 100
108 11.3 8.8 13.2
92 111.5 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 9.343 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:184 Resp: 24417
Ion Ratio Lower Upper
184 100
63 64.0 48.7 73.1
154 79.7 57.1 85.7

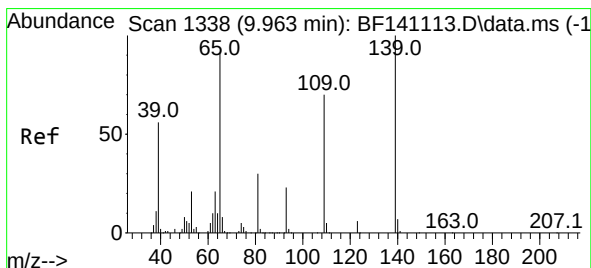
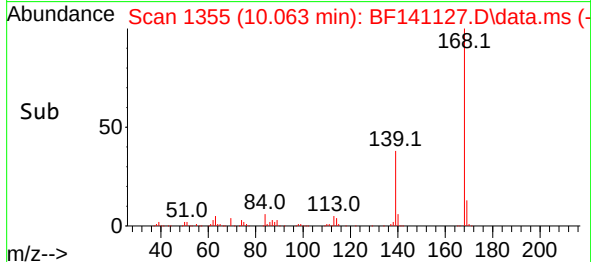
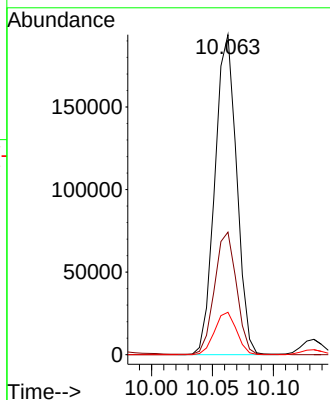
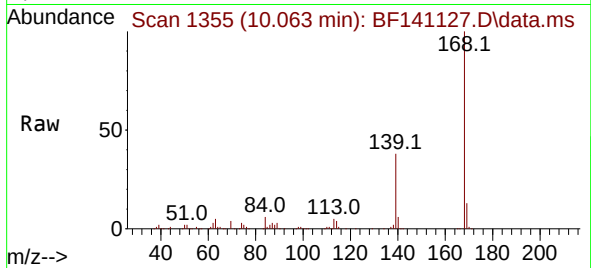




#55
Dibenzofuran
Concen: 8.346 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

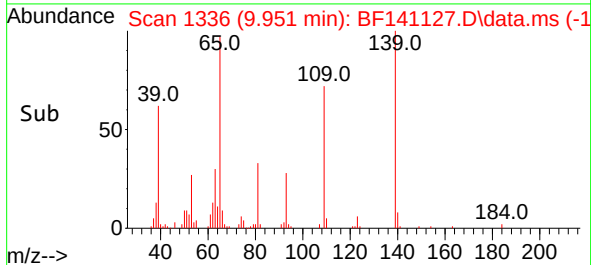
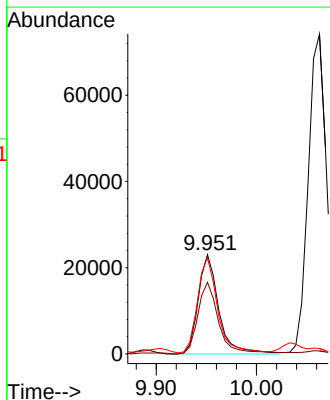
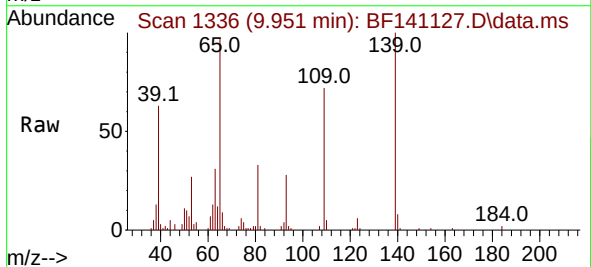
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

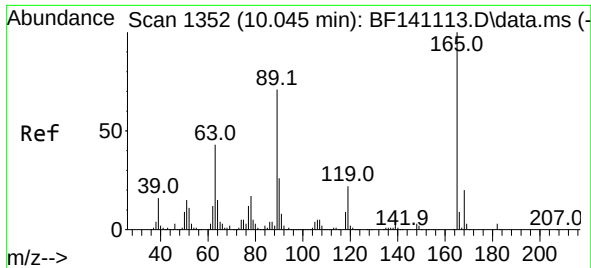
Tgt Ion:168 Resp: 241384
Ion Ratio Lower Upper
168 100
139 38.3 31.4 47.0
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 7.489 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:139 Resp: 32768
Ion Ratio Lower Upper
139 100
109 72.2 50.2 90.2
65 97.0 72.1 112.1

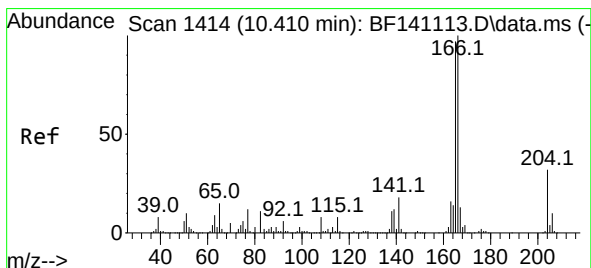
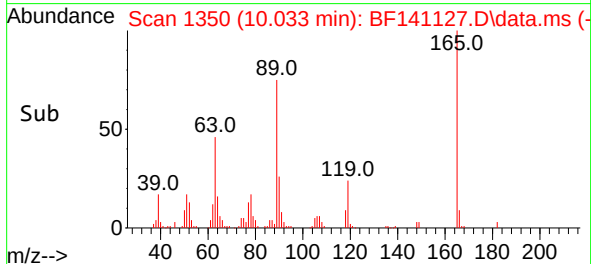
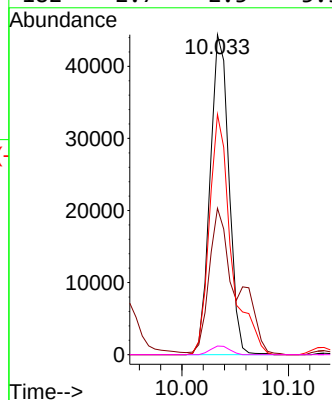
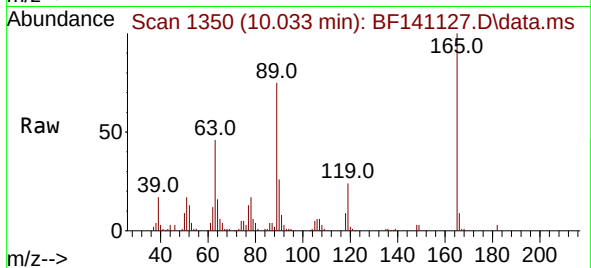




#57
2,4-Dinitrotoluene
Concen: 7.707 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

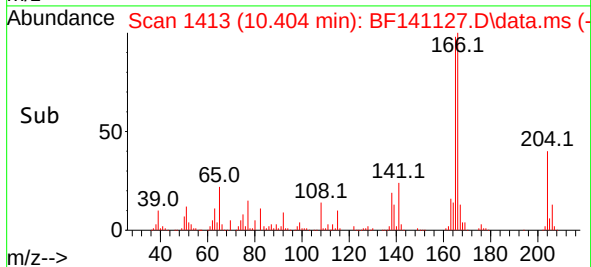
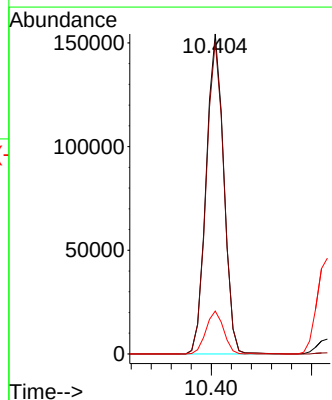
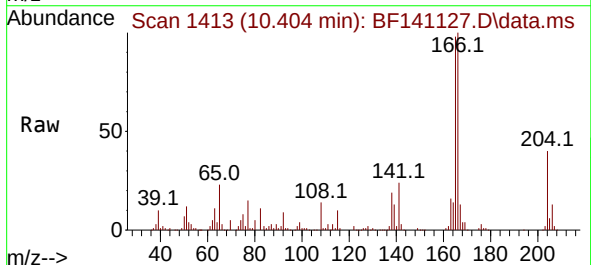
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

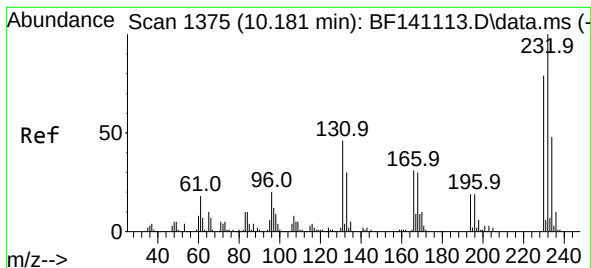
Tgt Ion:	165	Resp:	54607
Ion Ratio	Lower	Upper	
165	100		
63	45.8	35.0	52.4
89	75.1	56.7	85.1
182	2.7	2.3	3.5



#58
Fluorene
Concen: 8.390 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:	166	Resp:	188520
Ion Ratio	Lower	Upper	
166	100		
165	97.6	77.8	116.8
167	13.4	10.8	16.2

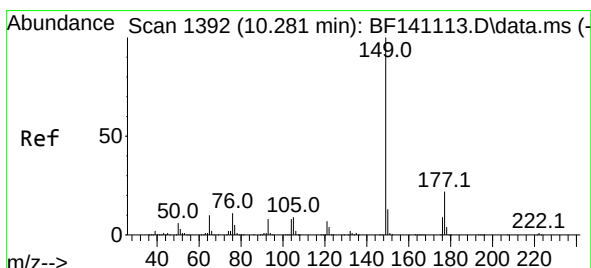
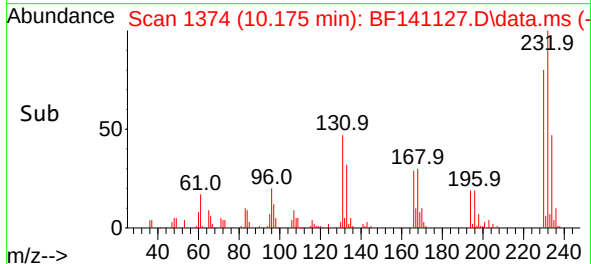
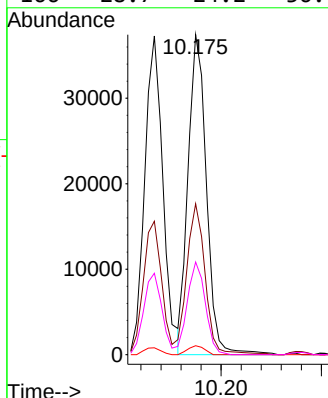
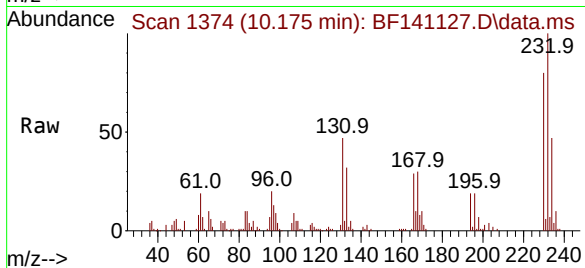




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.958 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

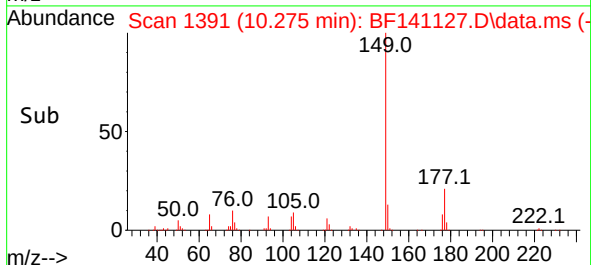
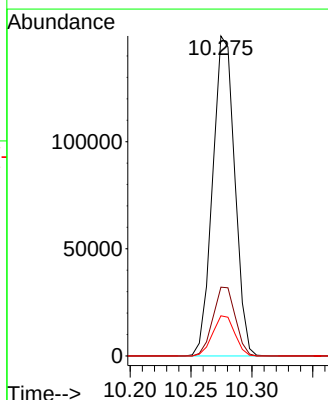
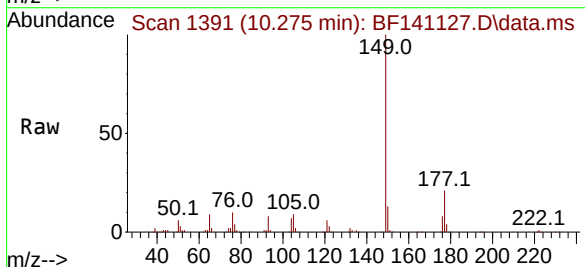
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

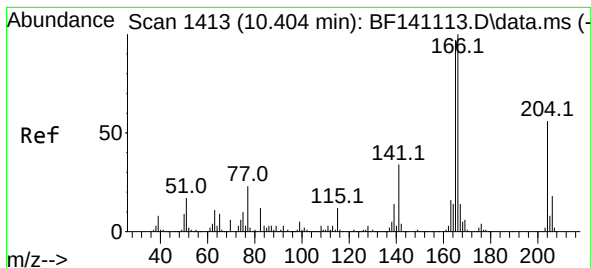
Tgt Ion:232 Resp: 47629
Ion Ratio Lower Upper
232 100
131 47.5 36.2 54.4
130 2.5 2.0 3.0
166 28.7 24.2 36.4



#60
Diethylphthalate
Concen: 8.176 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:149 Resp: 188712
Ion Ratio Lower Upper
149 100
177 21.5 17.9 26.9
150 12.6 10.2 15.2

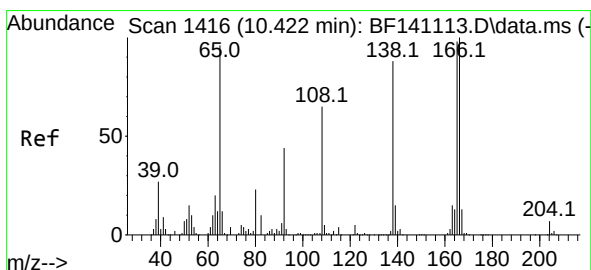
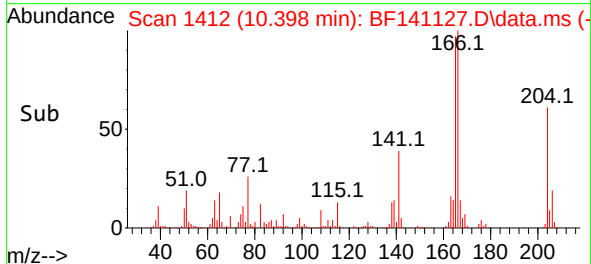
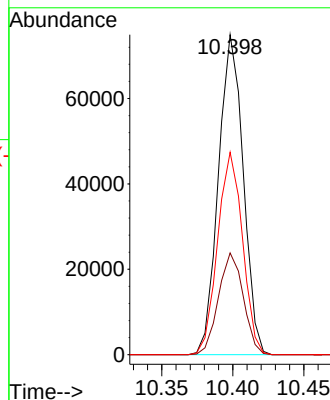
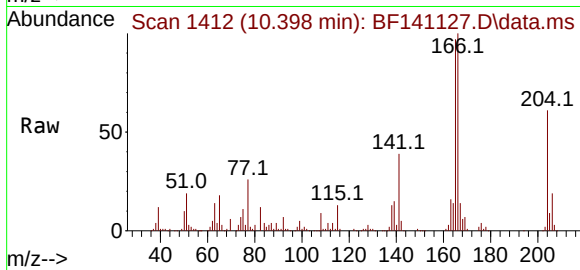




#61
4-Chlorophenyl-phenylether
Concen: 8.297 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

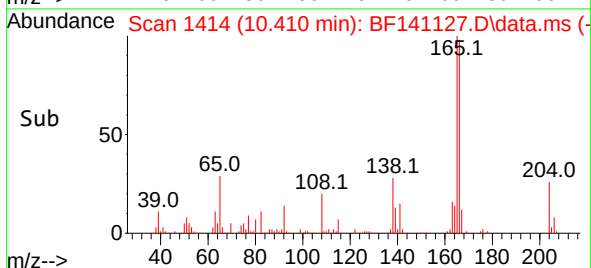
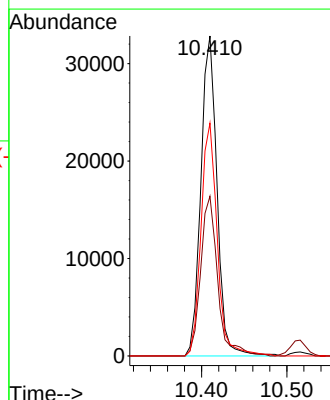
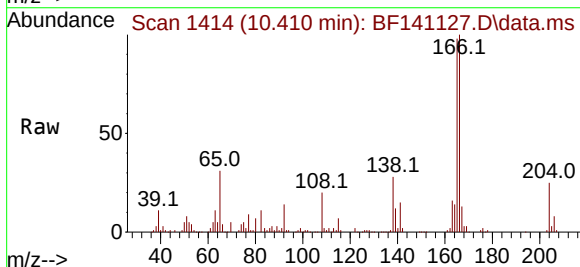
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

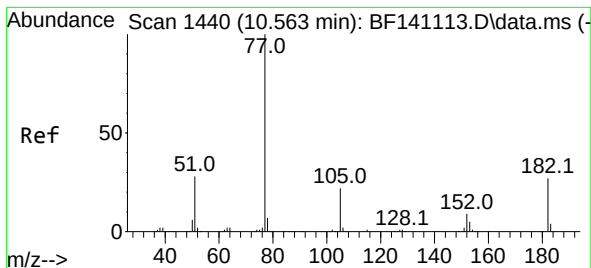
Tgt Ion:204 Resp: 90863
Ion Ratio Lower Upper
204 100
206 31.8 25.9 38.9
141 63.2 49.1 73.7



#62
4-Nitroaniline
Concen: 7.896 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:138 Resp: 43182
Ion Ratio Lower Upper
138 100
92 49.9 29.4 69.4
108 72.7 53.7 93.7





#63

Azobenzene

Concen: 8.135 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 77 Resp: 185288

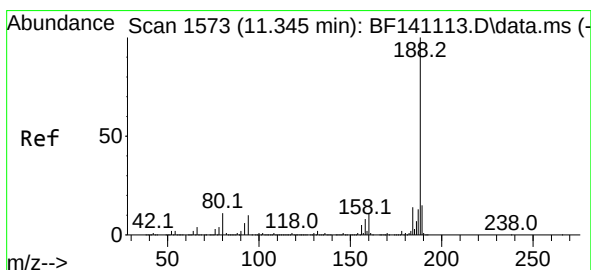
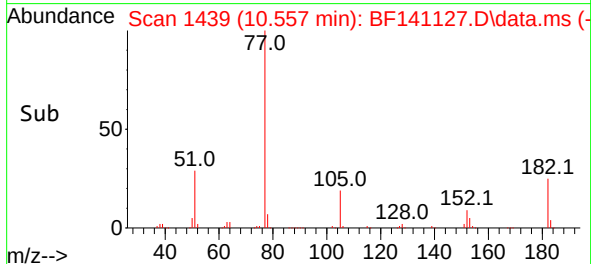
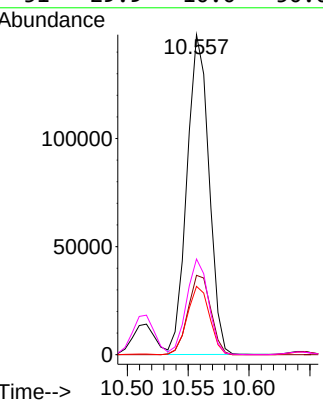
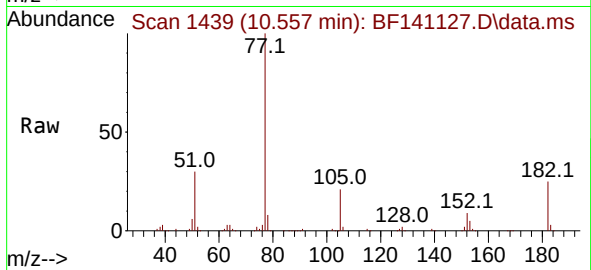
Ion Ratio Lower Upper

77 100

182 24.8 6.1 46.1

105 21.4 2.1 42.1

51 29.9 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

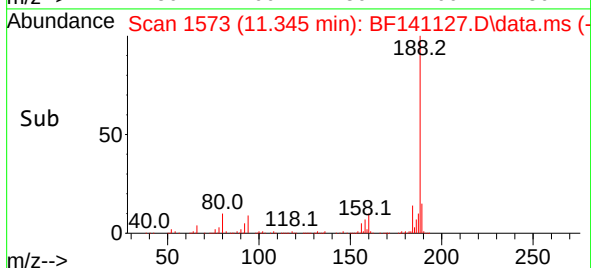
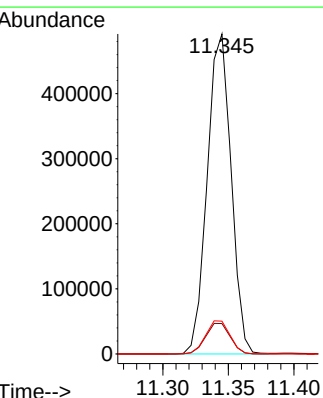
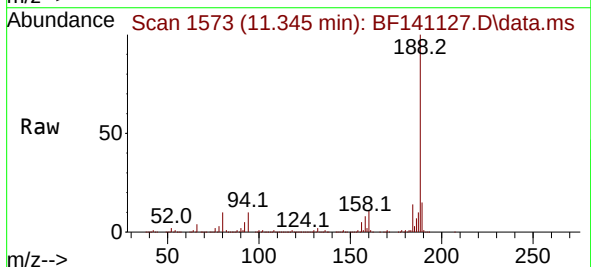
Tgt Ion:188 Resp: 622102

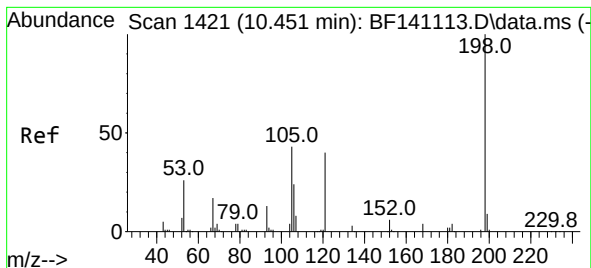
Ion Ratio Lower Upper

188 100

94 9.5 8.3 12.5

80 10.3 9.0 13.4

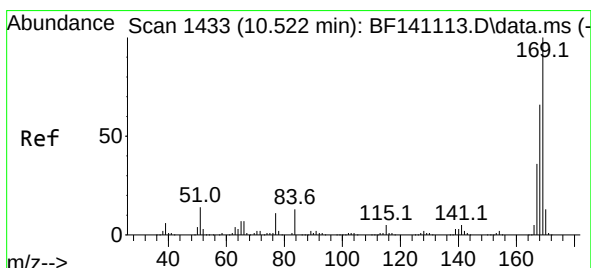
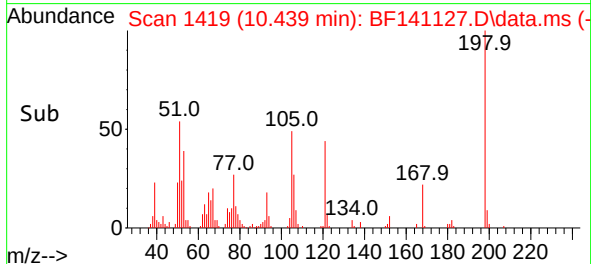
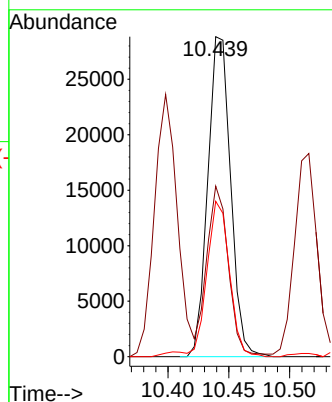
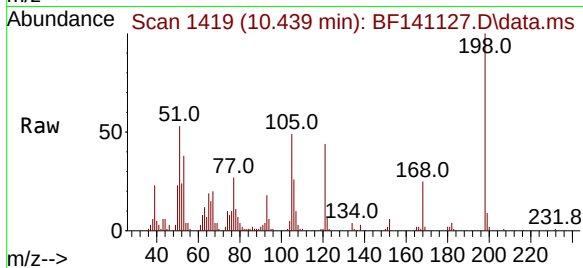




#65
4,6-Dinitro-2-methylphenol
Concen: 10.412 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

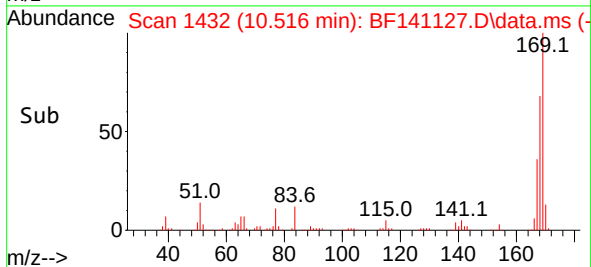
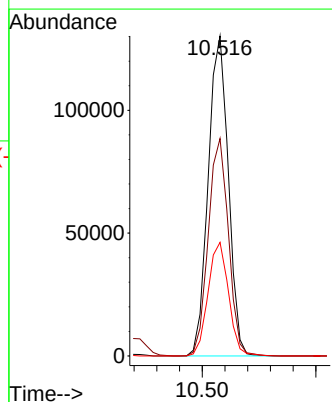
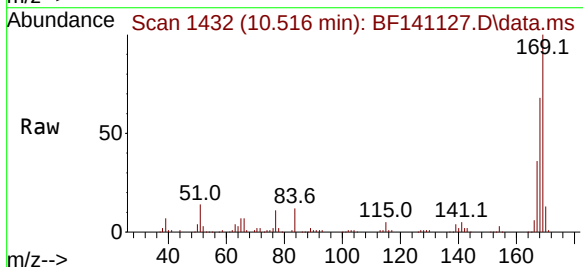
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

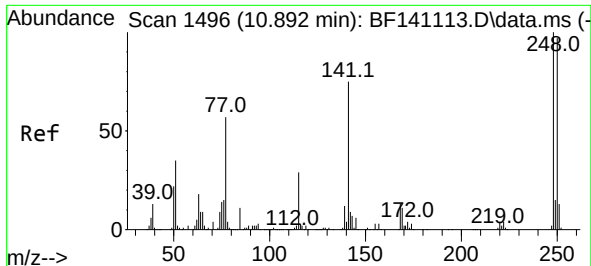
Tgt Ion	Ratio	Lower	Upper
198	100		
51	53.3	27.1	67.1
105	48.5	24.2	64.2



#66
n-Nitrosodiphenylamine
Concen: 7.982 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.0	52.5	78.7
167	35.5	28.9	43.3





#67

4-Bromophenyl-phenylether

Concen: 7.781 ng

RT: 10.886 min Scan# 1495

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

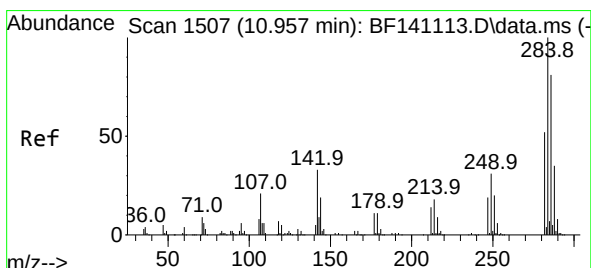
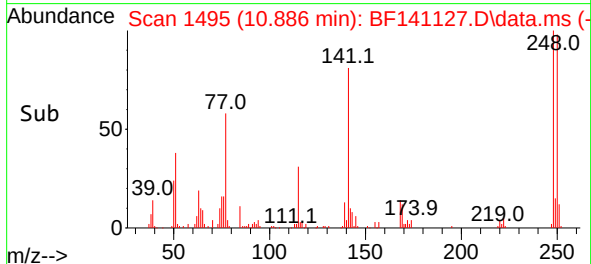
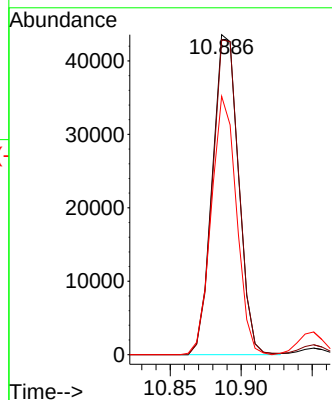
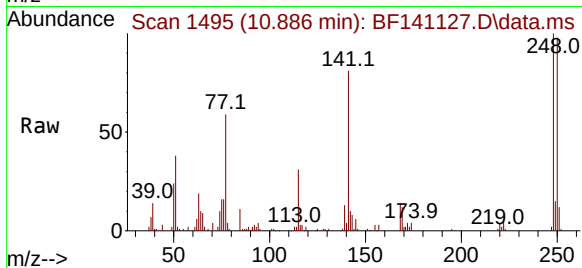
Tgt Ion:248 Resp: 55728

Ion Ratio Lower Upper

248 100

250 98.4 77.9 116.9

141 80.7 59.9 89.9



#68

Hexachlorobenzene

Concen: 7.996 ng

RT: 10.951 min Scan# 1506

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

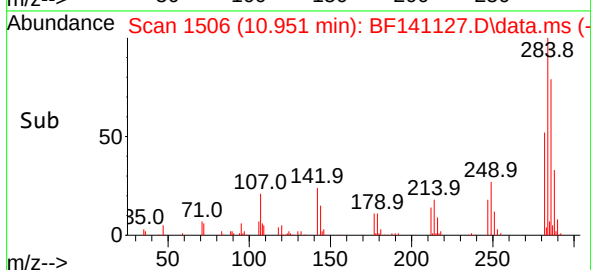
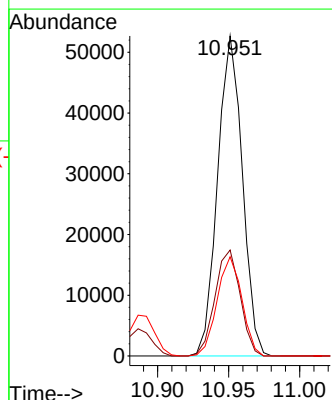
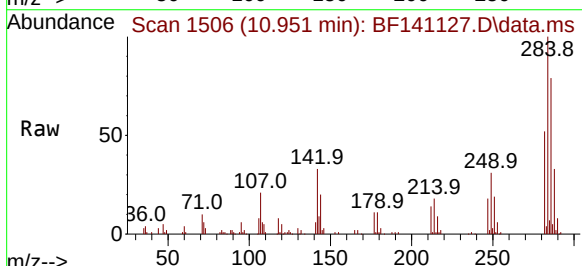
Tgt Ion:284 Resp: 63755

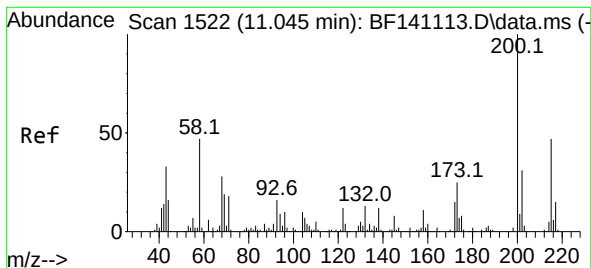
Ion Ratio Lower Upper

284 100

142 33.1 26.3 39.5

249 31.0 24.9 37.3





#69

Atrazine

Concen: 9.789 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

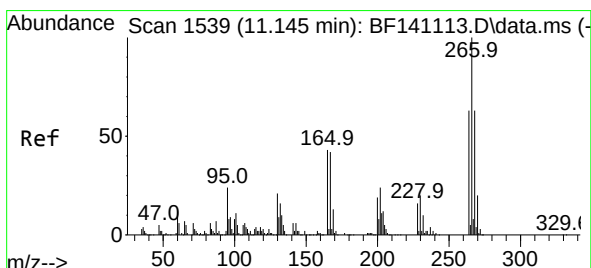
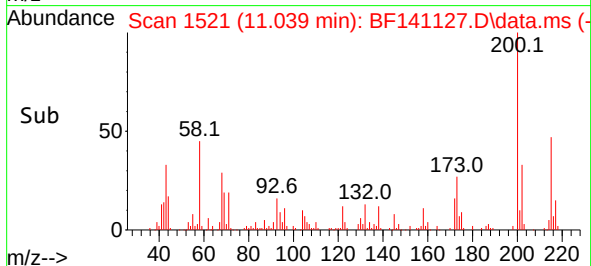
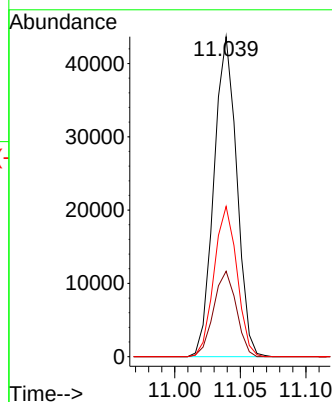
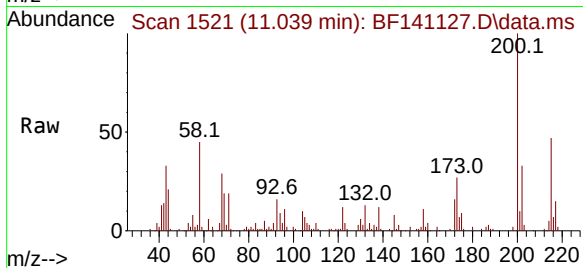
Tgt Ion:200 Resp: 52888

Ion Ratio Lower Upper

200 100

173 26.7 5.4 45.4

215 46.9 26.6 66.6



#70

Pentachlorophenol

Concen: 7.074 ng

RT: 11.145 min Scan# 1539

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

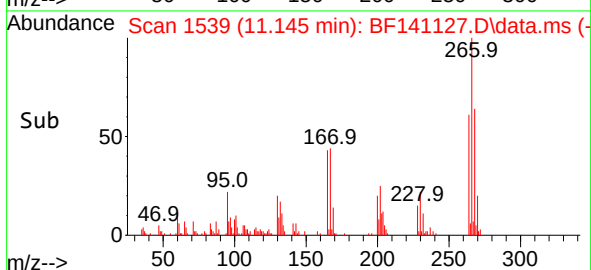
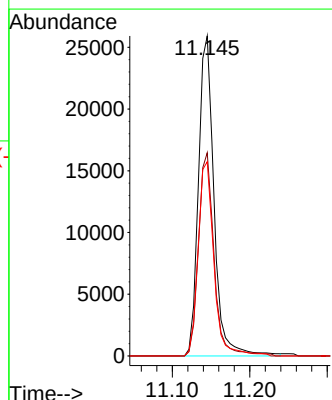
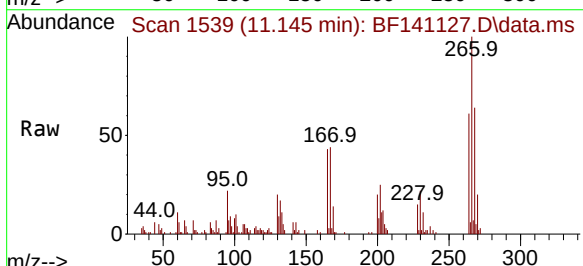
Tgt Ion:266 Resp: 36117

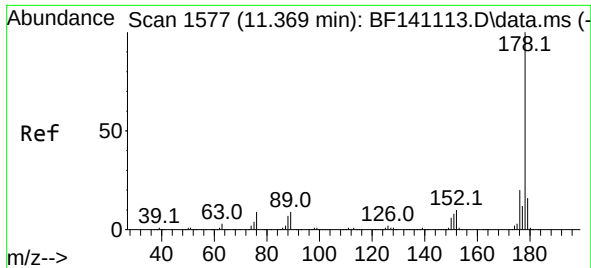
Ion Ratio Lower Upper

266 100

268 63.5 50.4 75.6

264 60.7 50.2 75.2

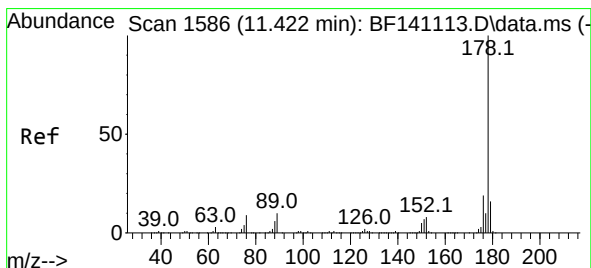
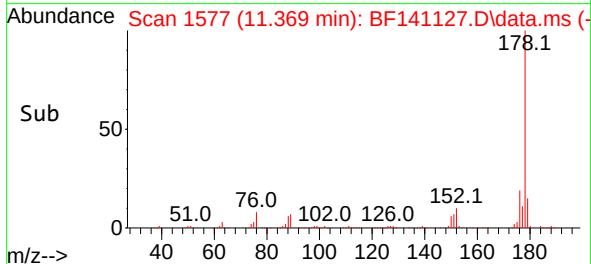
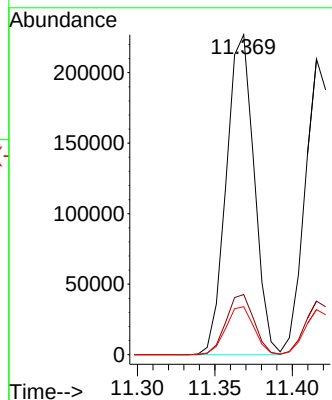
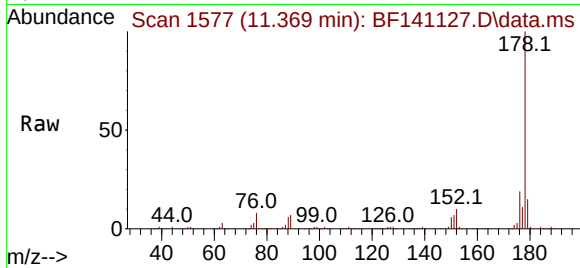




#71
Phenanthrene
Concen: 8.508 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

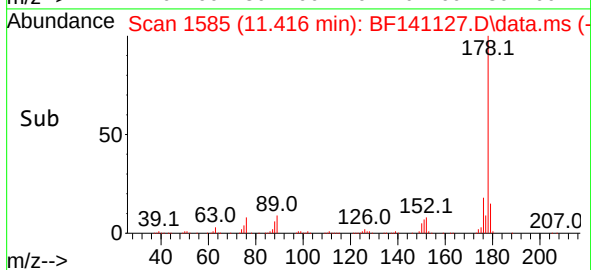
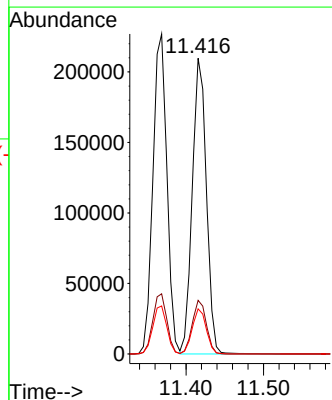
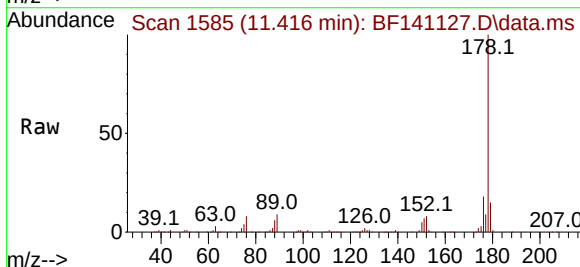
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

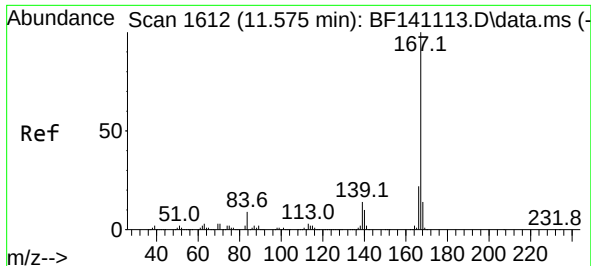
Tgt Ion:178 Resp: 284168
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.0 12.6 19.0



#72
Anthracene
Concen: 8.155 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:178 Resp: 264830
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.2 12.6 19.0

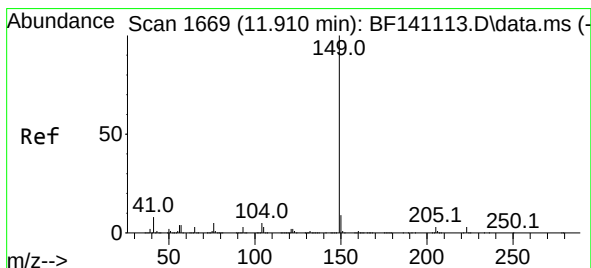
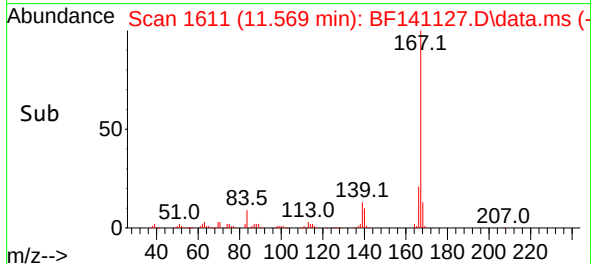
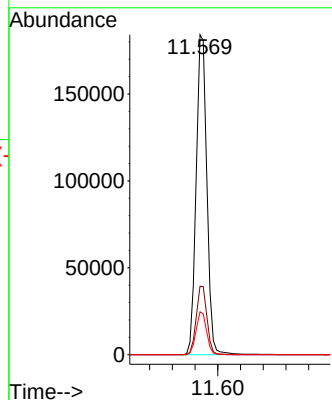
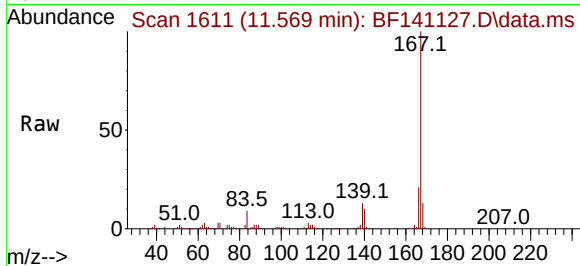




#73
Carbazole
Concen: 8.152 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

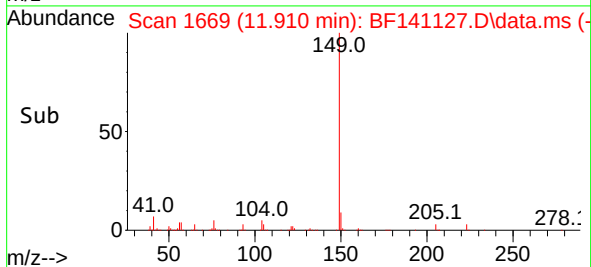
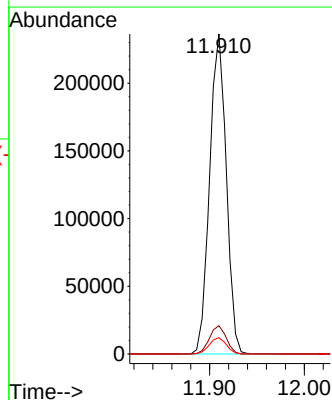
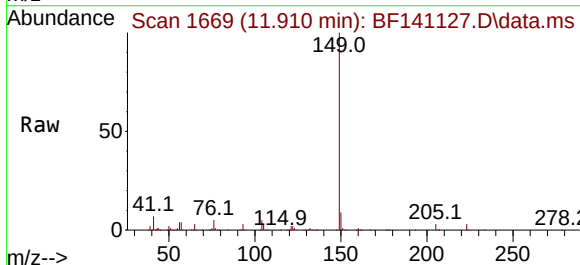
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

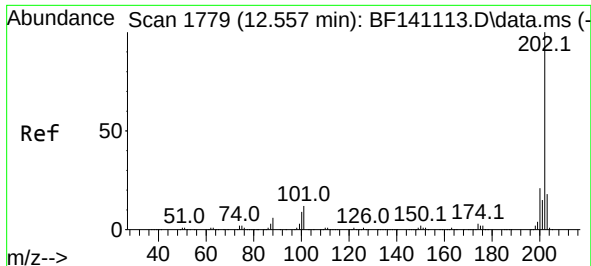
Tgt Ion:167 Resp: 242734
Ion Ratio Lower Upper
167 100
166 21.4 17.4 26.2
139 13.4 10.9 16.3



#74
Di-n-butylphthalate
Concen: 8.467 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:149 Resp: 288522
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.2
104 5.1 4.2 6.2

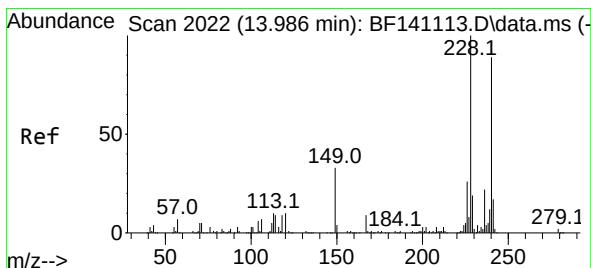
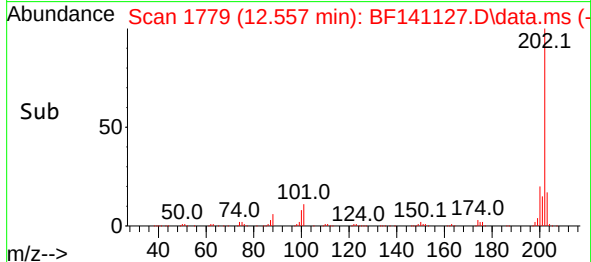
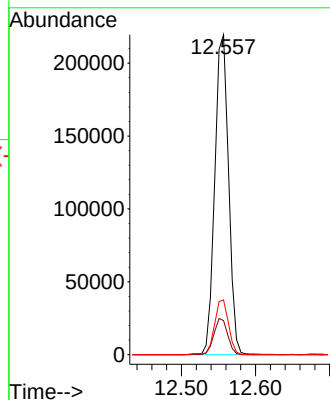
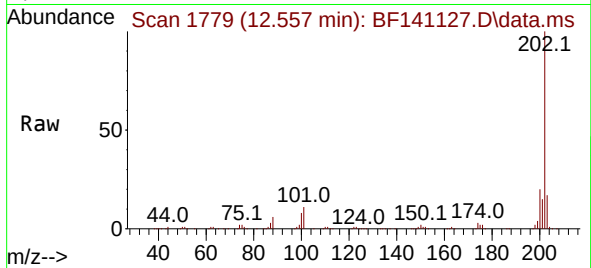




#75
Fluoranthene
Concen: 8.510 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

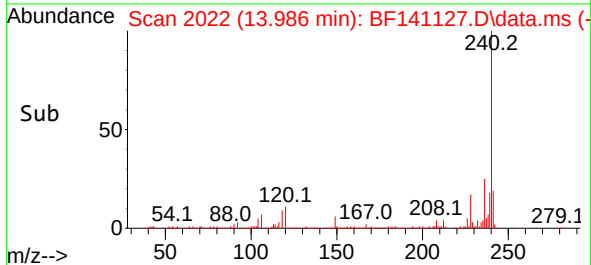
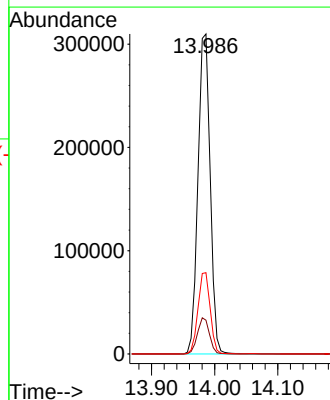
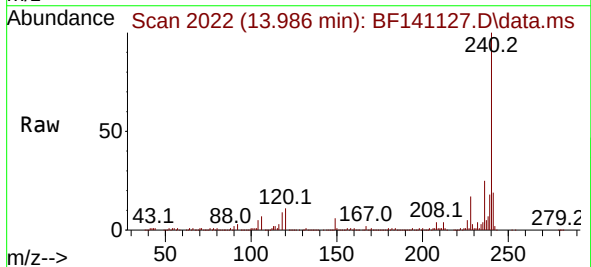
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

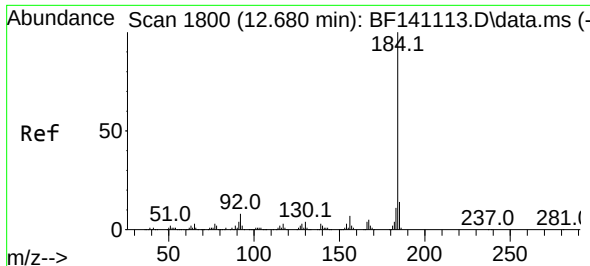
Tgt Ion:202 Resp: 283626
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.3
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:240 Resp: 416225
Ion Ratio Lower Upper
240 100
120 10.5 9.1 13.7
236 25.4 19.8 29.6

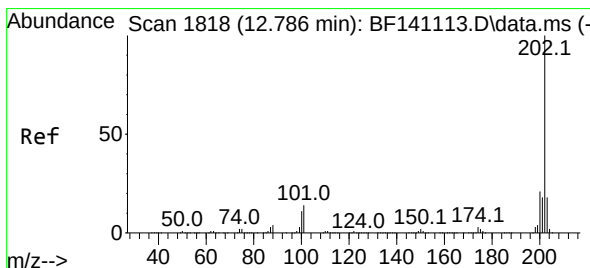
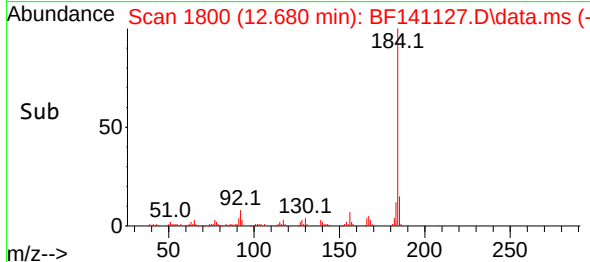
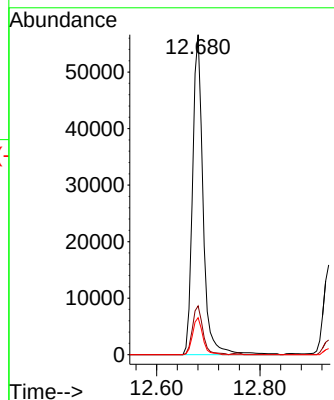
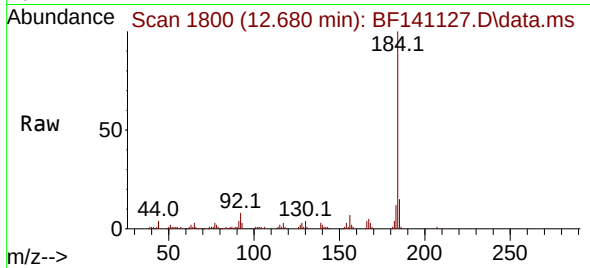




#77
Benzidine
Concen: 10.367 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

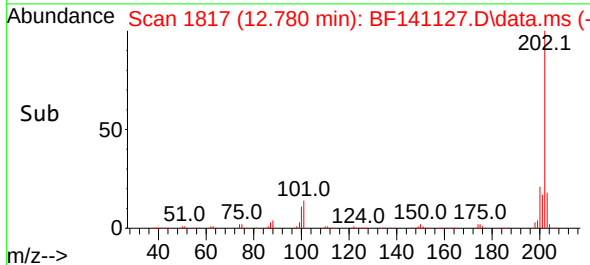
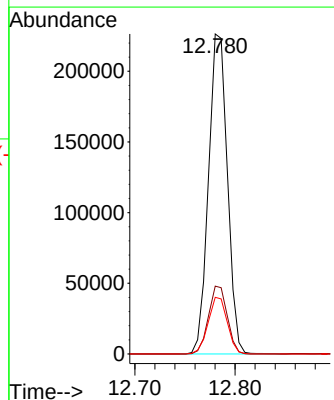
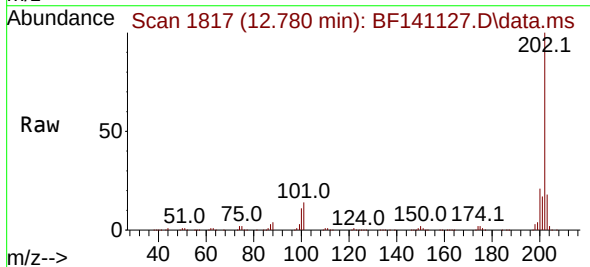
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

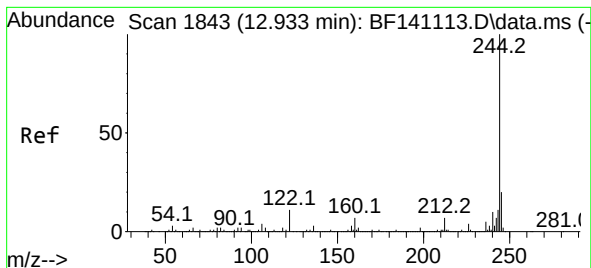
Tgt Ion:184 Resp: 80016
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.0
183 11.6 9.2 13.8



#78
Pyrene
Concen: 7.474 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:202 Resp: 297133
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 56.227 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

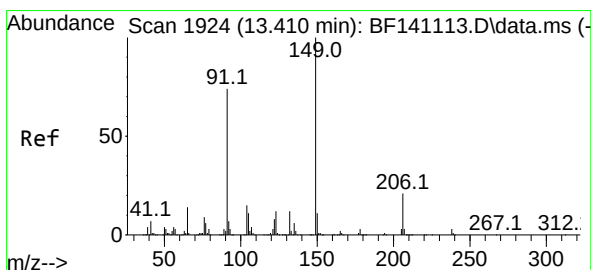
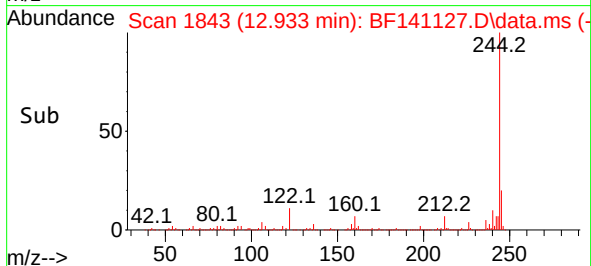
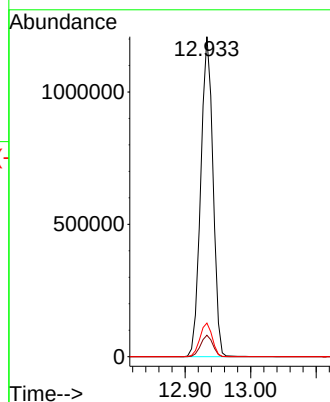
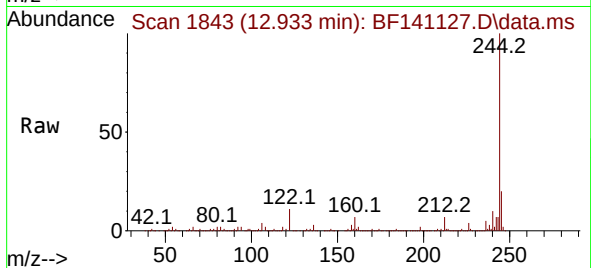
Tgt Ion:244 Resp: 1574573

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 7.747 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

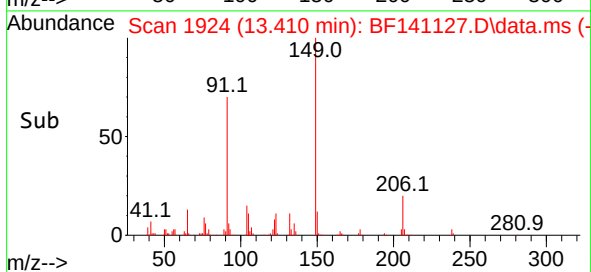
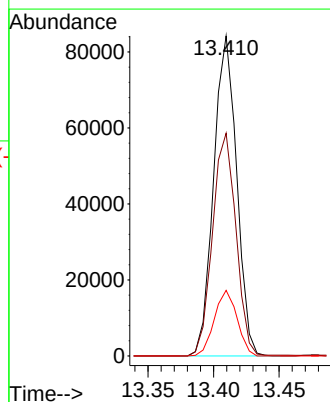
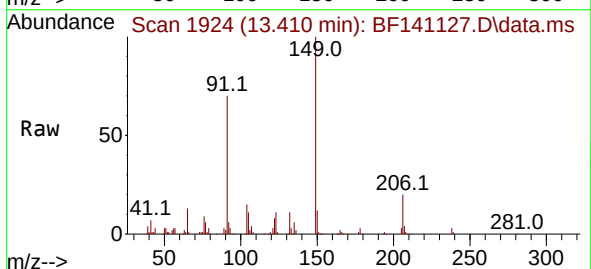
Tgt Ion:149 Resp: 102688

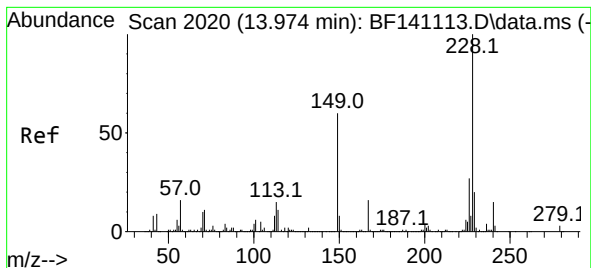
Ion Ratio Lower Upper

149 100

91 69.6 59.0 88.6

206 20.5 16.5 24.7





#81

Benzo(a)anthracene

Concen: 8.123 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

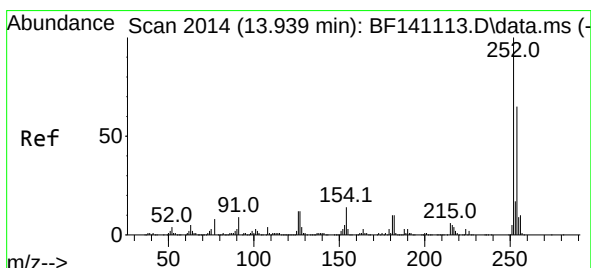
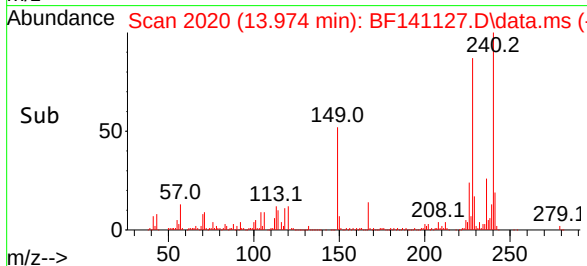
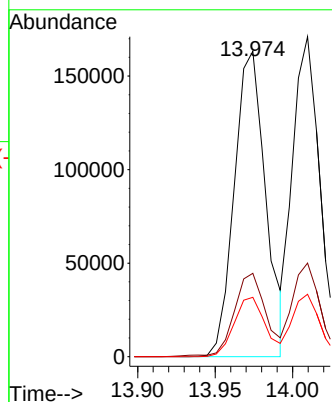
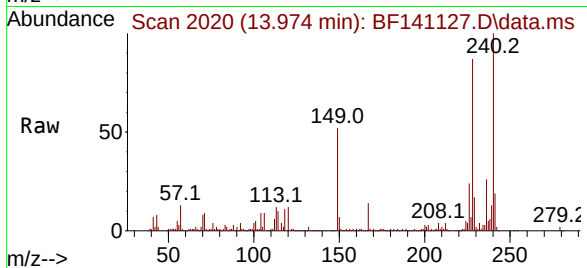
Tgt Ion:228 Resp: 230099

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 19.5 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 7.478 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

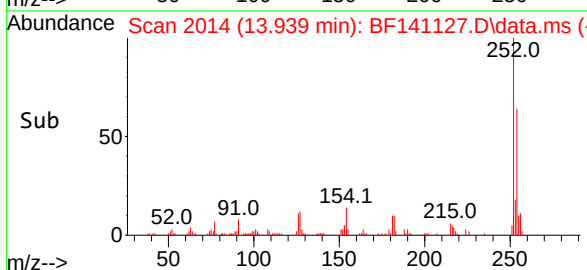
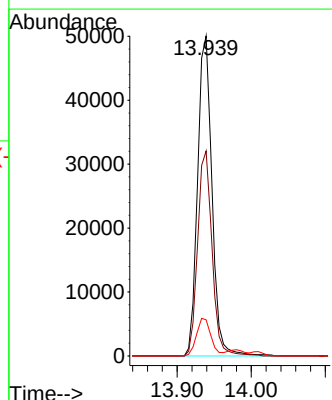
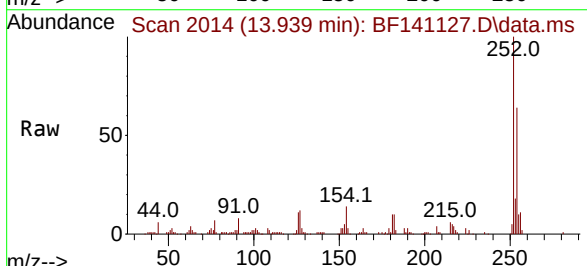
Tgt Ion:252 Resp: 67453

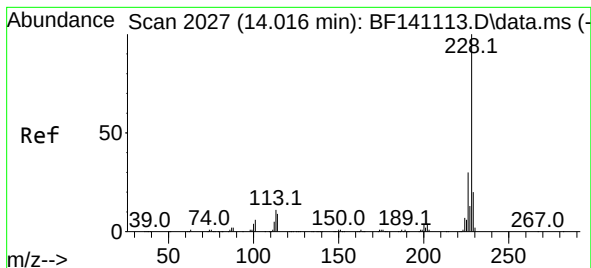
Ion Ratio Lower Upper

252 100

254 64.1 52.0 78.0

126 11.3 9.4 14.0





#83

Chrysene

Concen: 7.895 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

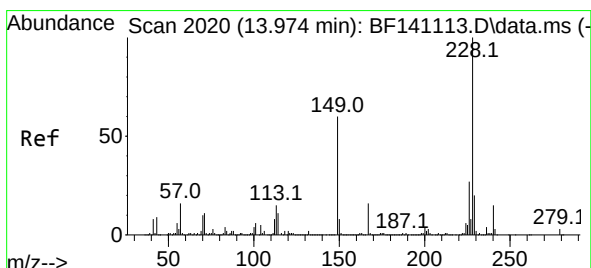
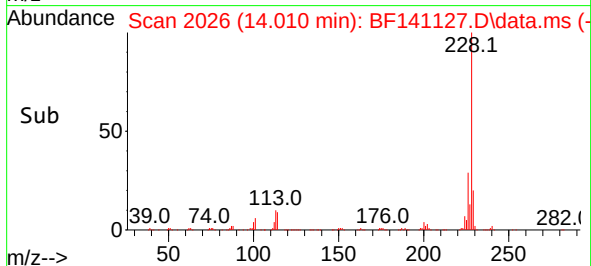
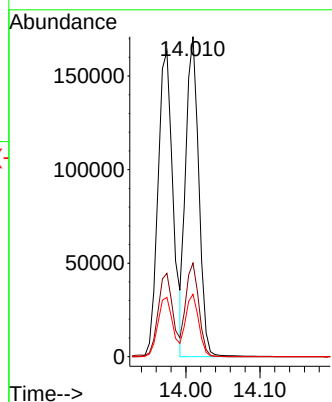
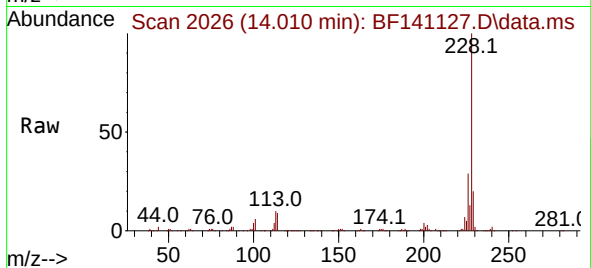
Tgt Ion:228 Resp: 209256

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 19.5 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.208 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

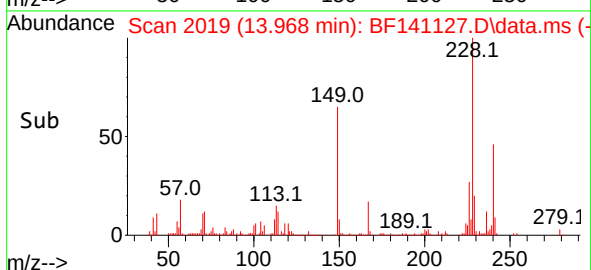
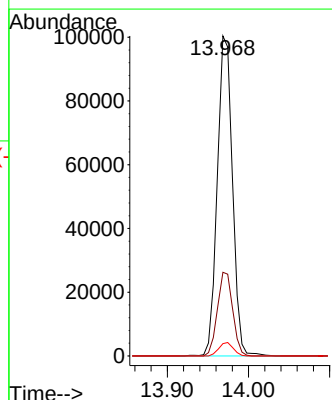
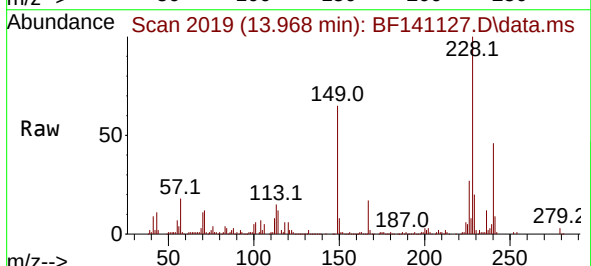
Tgt Ion:149 Resp: 130535

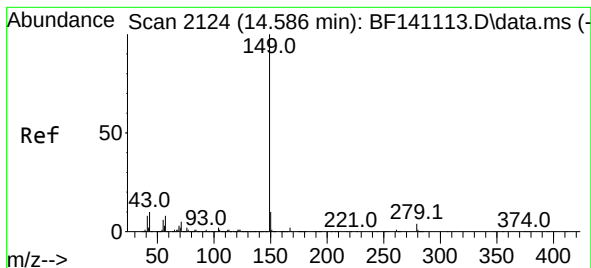
Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.2

279 3.9 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 7.266 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

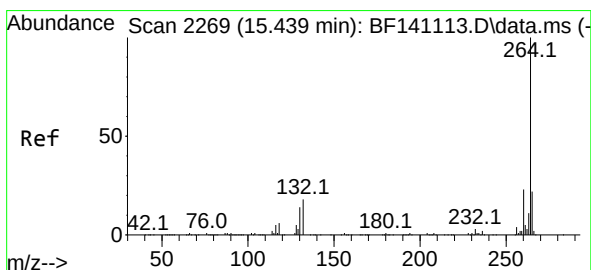
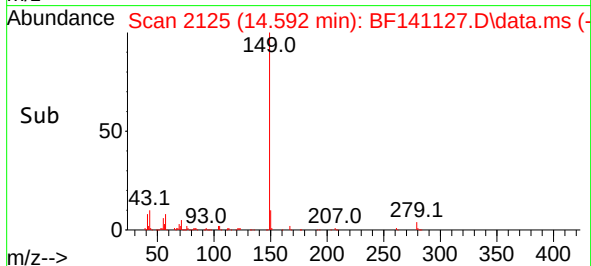
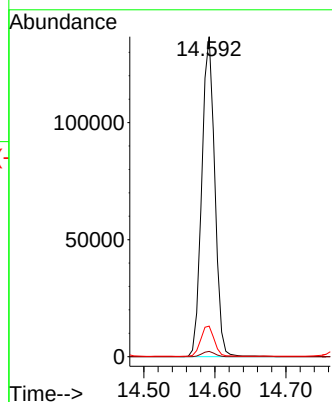
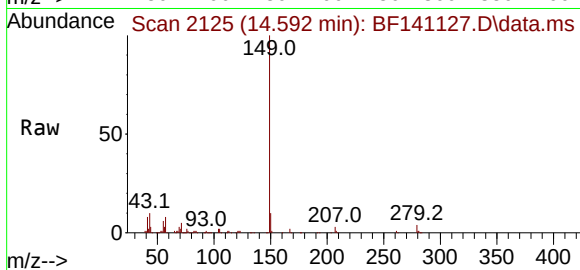
Tgt Ion:149 Resp: 174494

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.7 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

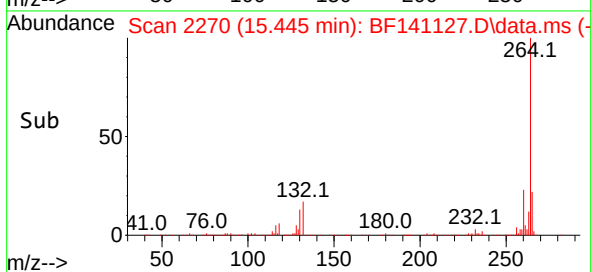
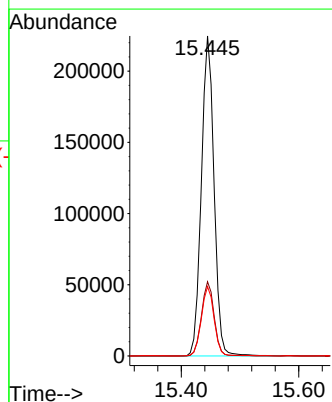
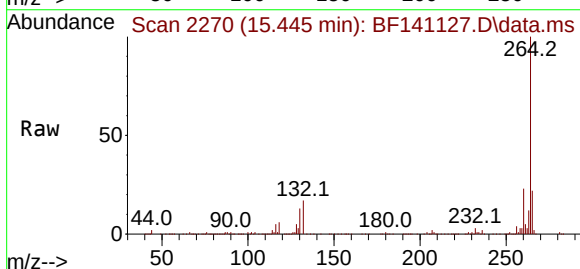
Tgt Ion:264 Resp: 336513

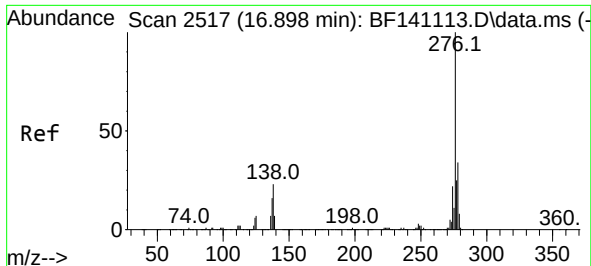
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.7 17.4 26.0

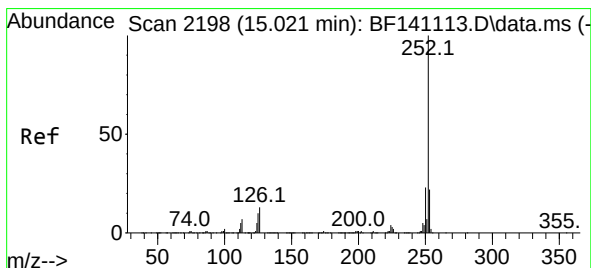
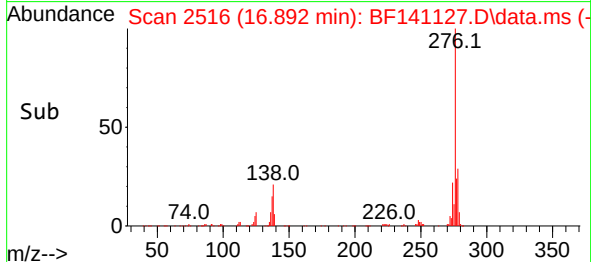
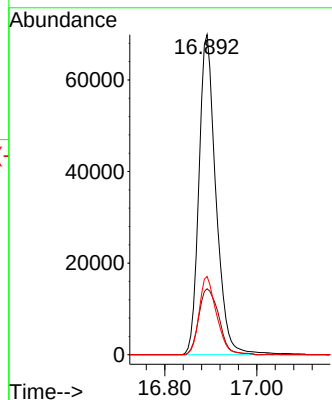
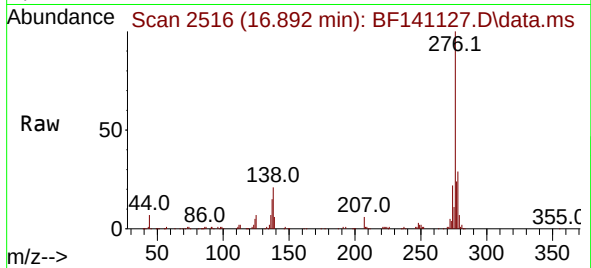




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.285 ng
 RT: 16.892 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

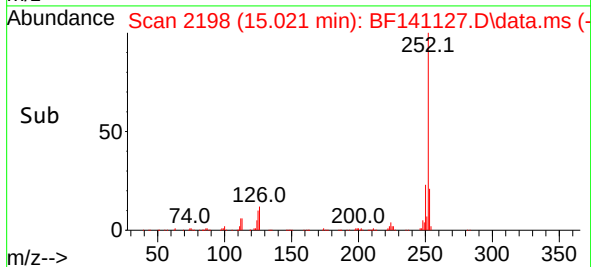
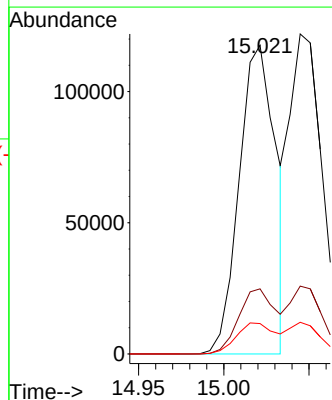
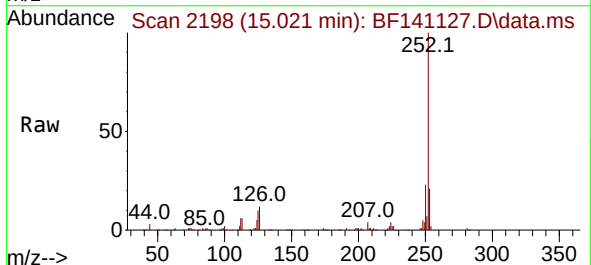
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

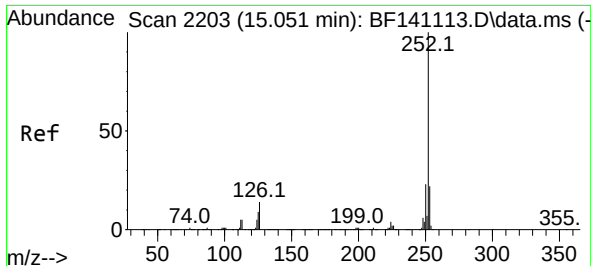
Tgt Ion:276 Resp: 179604
 Ion Ratio Lower Upper
 276 100
 138 24.3 20.7 31.1
 277 25.0 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 8.120 ng
 RT: 15.021 min Scan# 2198
 Delta R.T. -0.000 min
 Lab File: BF141127.D
 Acq: 13 Jan 2025 15:40

Tgt Ion:252 Resp: 176192
 Ion Ratio Lower Upper
 252 100
 253 21.1 17.8 26.6
 125 9.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 9.107 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2024

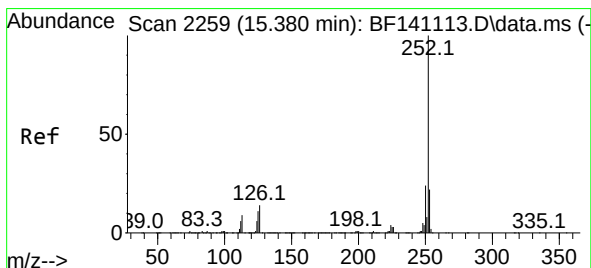
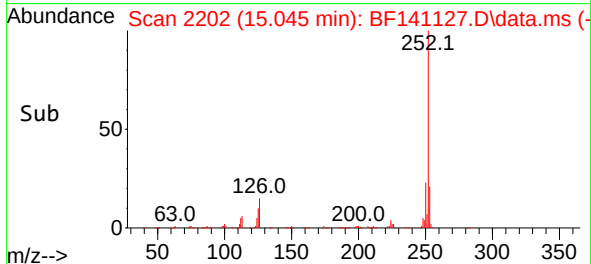
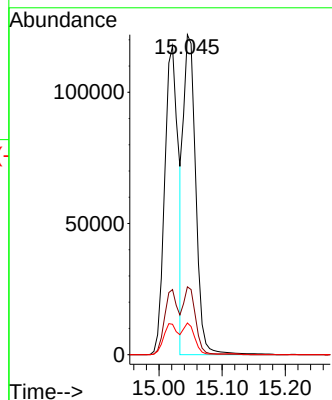
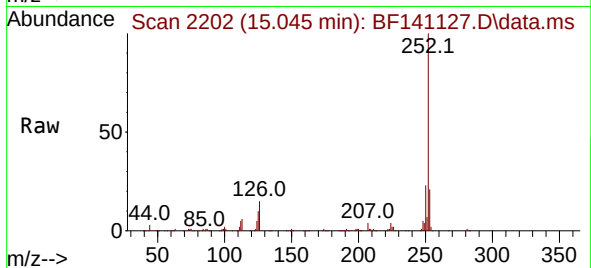
Tgt Ion:252 Resp: 166995

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 9.9 7.9 11.9



#90

Benzo(a)pyrene

Concen: 8.270 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.000 min

Lab File: BF141127.D

Acq: 13 Jan 2025 15:40

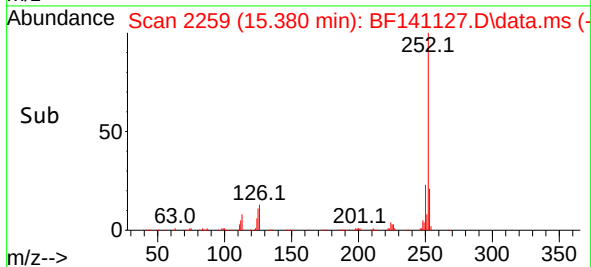
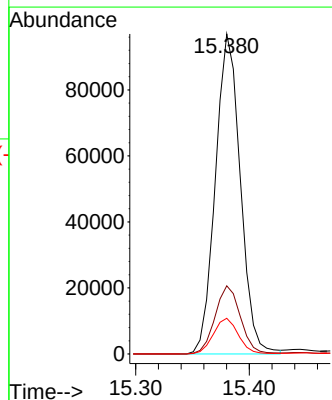
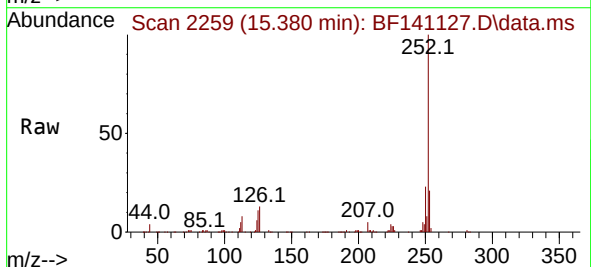
Tgt Ion:252 Resp: 148053

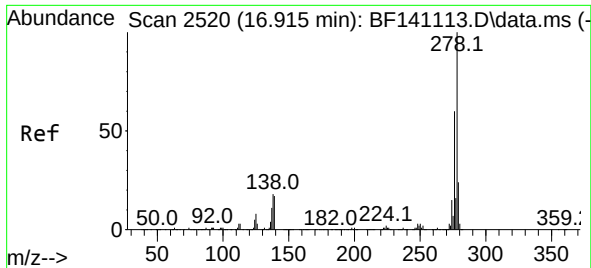
Ion Ratio Lower Upper

252 100

253 21.3 17.7 26.5

125 11.2 9.1 13.7

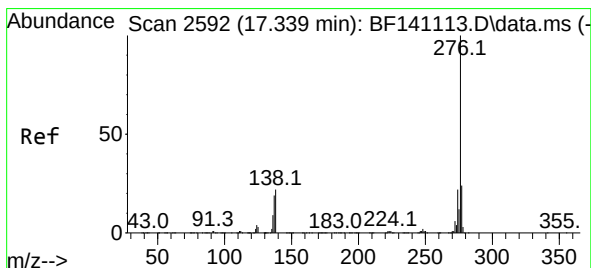
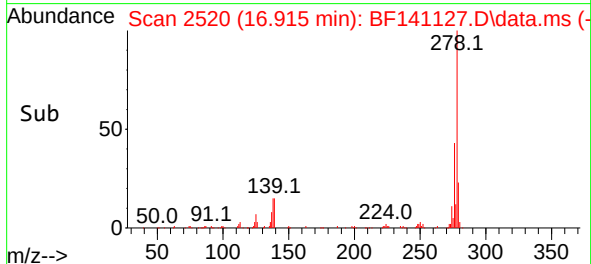
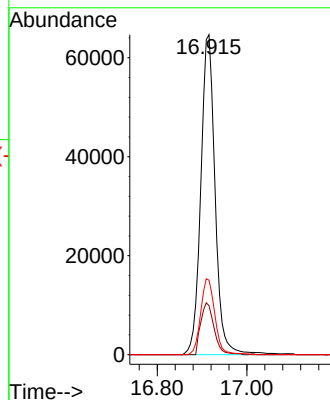
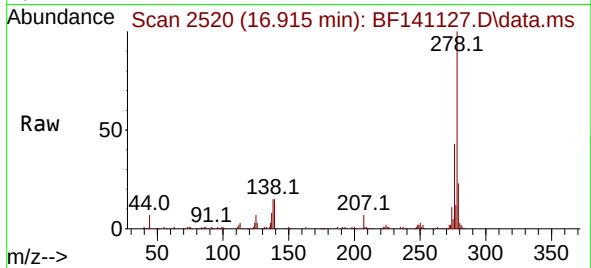




#91
Dibenzo(a,h)anthracene
Concen: 7.187 ng
RT: 16.915 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:278 Resp: 143301
Ion Ratio Lower Upper
278 100
139 15.3 13.8 20.6
279 23.3 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 6.876 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF141127.D
Acq: 13 Jan 2025 15:40

Tgt Ion:276 Resp: 142604
Ion Ratio Lower Upper
276 100
277 22.1 19.0 28.4
138 21.0 17.4 26.2

