

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011325\
 Data File : BF141130.D
 Acq On : 13 Jan 2025 17:03
 Operator : RC/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 13 17:22:51 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	146548	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	576091	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	316885	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	546896	20.000	ng	0.00
76) Chrysene-d12	13.980	240	338441	20.000	ng	0.00
86) Perylene-d12	15.445	264	291493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1040555	109.688	ng	0.00
7) Phenol-d6	6.445	99	1389109	115.598	ng	0.00
23) Nitrobenzene-d5	7.381	82	924691	85.085	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	464849	128.742	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1713790	82.586	ng	0.00
79) Terphenyl-d14	12.933	244	1829964	80.365	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	33122	7.840	ng	98
3) Pyridine	3.304	79	78027	7.532	ng	99
4) n-Nitrosodimethylamine	3.210	42	39604	7.819	ng	98
6) Aniline	6.481	93	115322	10.809	ng	98
8) 2-Chlorophenol	6.604	128	86750	8.523	ng	97
9) Benzaldehyde	6.369	77	72019	10.176	ng	99
10) Phenol	6.457	94	110103	8.559	ng	84
11) bis(2-Chloroethyl)ether	6.557	93	83299	8.689	ng	97
12) 1,3-Dichlorobenzene	6.757	146	92368	8.137	ng	99
13) 1,4-Dichlorobenzene	6.839	146	93802	8.200	ng	98
14) 1,2-Dichlorobenzene	6.992	146	89273	8.367	ng	97
15) Benzyl Alcohol	6.951	79	87820	10.120	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.092	45	117551	8.787	ng	99
17) 2-Methylphenol	7.063	107	69652	8.477	ng	99
18) Hexachloroethane	7.333	117	33319	8.055	ng	99
19) n-Nitroso-di-n-propyla...	7.222	70	64385	9.096	ng	99
20) 3+4-Methylphenols	7.216	107	92903	8.962	ng	# 85
22) Acetophenone	7.222	105	134238	9.802	ng	98
24) Nitrobenzene	7.398	77	98309	8.679	ng	100
25) Isophorone	7.633	82	172642	9.295	ng	99
26) 2-Nitrophenol	7.716	139	43999	8.540	ng	99
27) 2,4-Dimethylphenol	7.745	122	49068	7.060	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	103426	8.873	ng	99
29) 2,4-Dichlorophenol	7.951	162	74019	8.968	ng	99
30) 1,2,4-Trichlorobenzene	8.039	180	80666	8.550	ng	99
31) Naphthalene	8.122	128	269909	8.884	ng	99
32) Benzoic acid	7.804	122	43164	6.475	ng	99
33) 4-Chloroaniline	8.169	127	103676	9.868	ng	100
34) Hexachlorobutadiene	8.239	225	47079	8.281	ng	99
35) Caprolactam	8.498	113	23078	8.540	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	80130	8.877	ng	98
37) 2-Methylnaphthalene	8.810	142	178684	9.230	ng	100
38) 1-Methylnaphthalene	8.910	142	164722	8.633	ng	98
40) 1,2,4,5-Tetrachloroben...	8.980	216	84698	9.312	ng	99
41) Hexachlorocyclopentadiene	8.969	237	22361	7.515	ng	98
43) 2,4,6-Trichlorophenol	9.086	196	51353	8.372	ng	100

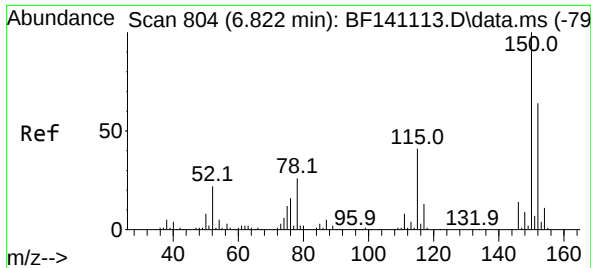
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	55144	8.512	ng	99
46) 1,1'-Biphenyl	9.275	154	234241	9.518	ng	99
47) 2-Chloronaphthalene	9.304	162	168694	8.801	ng	97
48) 2-Nitroaniline	9.392	65	46939	8.261	ng	96
49) Acenaphthylene	9.716	152	266689	9.739	ng	99
50) Dimethylphthalate	9.575	163	193046	9.074	ng	99
51) 2,6-Dinitrotoluene	9.633	165	40642	8.215	ng	95
52) Acenaphthene	9.886	154	167539	8.757	ng	100
53) 3-Nitroaniline	9.798	138	43797	8.712	ng	97
54) 2,4-Dinitrophenol	9.904	184	12514	5.322	ng	# 1
55) Dibenzofuran	10.063	168	240315	9.234	ng	99
56) 4-Nitrophenol	9.951	139	29485	7.489	ng	96
57) 2,4-Dinitrotoluene	10.033	165	53194	8.343	ng	96
58) Fluorene	10.404	166	186000	9.200	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	46361	8.609	ng	99
60) Diethylphthalate	10.274	149	186180	8.965	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	90583	9.193	ng	99
62) 4-Nitroaniline	10.410	138	39365	8.000	ng	97
63) Azobenzene	10.557	77	184206	8.989	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	23394	7.382	ng	99
66) n-Nitrosodiphenylamine	10.516	169	159214	9.026	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	55835	8.868	ng	98
68) Hexachlorobenzene	10.951	284	63322	9.034	ng	98
69) Atrazine	11.039	200	51994	10.947	ng	99
70) Pentachlorophenol	11.139	266	33150	7.385	ng	95
71) Phenanthrene	11.363	178	271518	9.248	ng	98
72) Anthracene	11.416	178	265847	9.312	ng	100
73) Carbazole	11.569	167	232421	8.879	ng	99
74) Di-n-butylphthalate	11.910	149	278790	9.306	ng	99
75) Fluoranthene	12.551	202	272180	9.290	ng	99
77) Benzidine	12.680	184	59402	9.465	ng	97
78) Pyrene	12.780	202	279569	8.649	ng	99
80) Butylbenzylphthalate	13.410	149	91281	8.470	ng	96
81) Benzo(a)anthracene	13.968	228	211825	9.197	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	60212	8.210	ng	96
83) Chrysene	14.010	228	184393	8.556	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	112169	8.674	ng	99
85) Di-n-octyl phthalate	14.592	149	152349	7.802	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	184112	8.621	ng	97
88) Benzo(b)fluoranthene	15.015	252	167871	8.931	ng	99
89) Benzo(k)fluoranthene	15.045	252	147258	9.270	ng	98
90) Benzo(a)pyrene	15.380	252	142427	9.184	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	145009	8.395	ng	98
92) Benzo(g,h,i)perylene	17.321	276	145242	8.084	ng	99

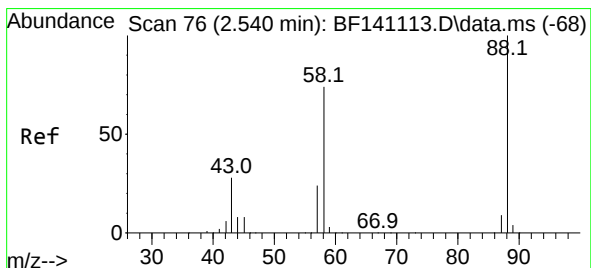
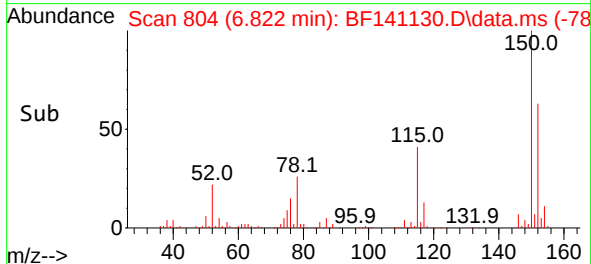
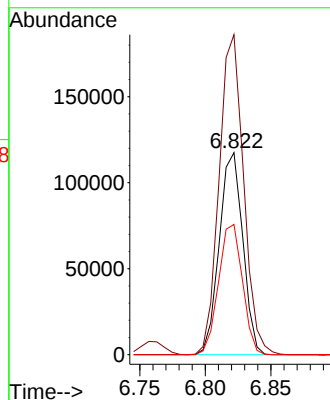
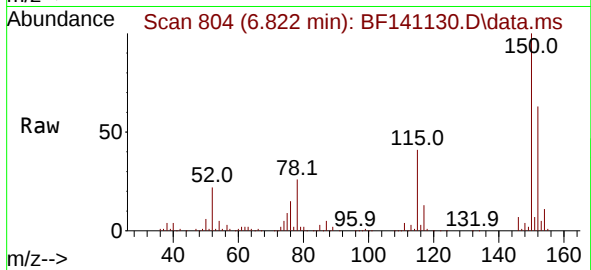
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF141130.D
 Acq: 13 Jan 2025 17:03

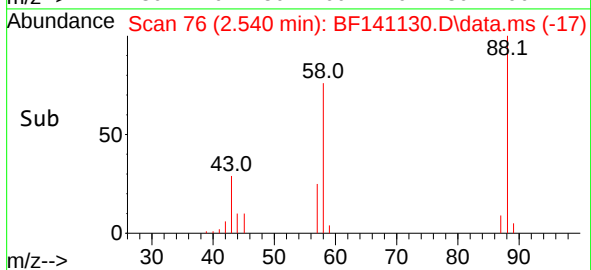
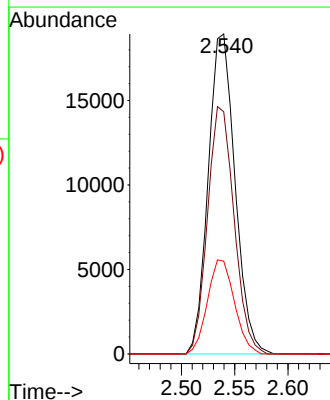
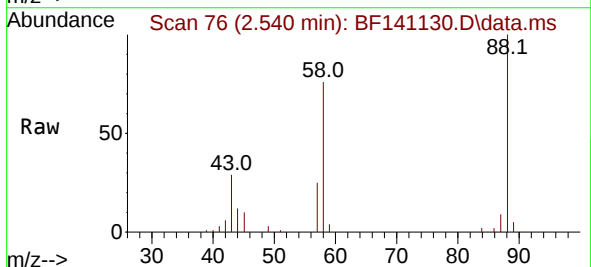
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

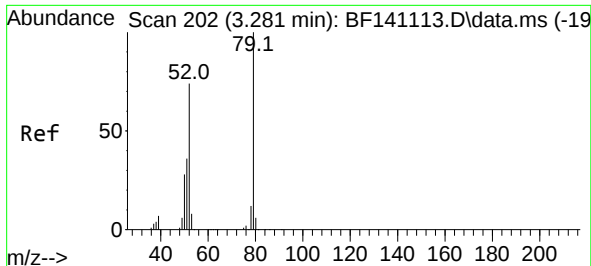
Tgt Ion:152 Resp: 146548
 Ion Ratio Lower Upper
 152 100
 150 158.3 125.8 188.8
 115 64.5 51.4 77.2



#2
 1,4-Dioxane
 Concen: 7.840 ng
 RT: 2.540 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: BF141130.D
 Acq: 13 Jan 2025 17:03

Tgt Ion: 88 Resp: 33122
 Ion Ratio Lower Upper
 88 100
 58 76.5 60.1 90.1
 43 29.6 23.1 34.7

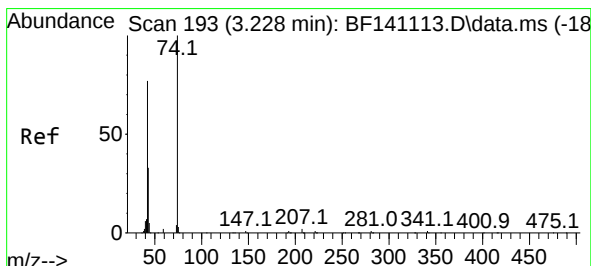
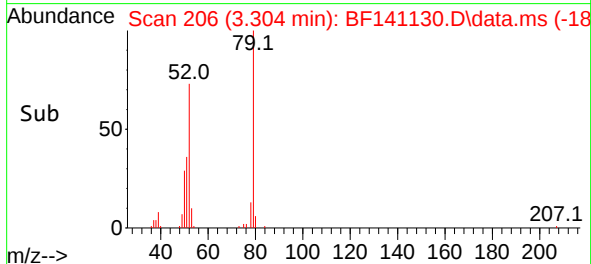
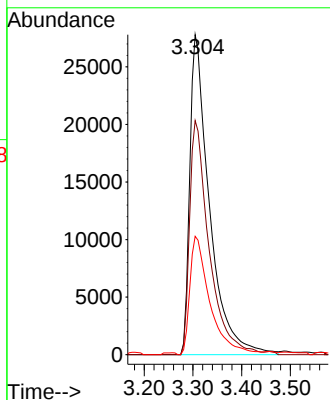
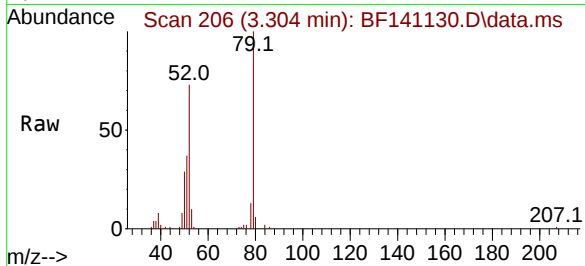




#3
Pyridine
Concen: 7.532 ng
RT: 3.304 min Scan# 20
Delta R.T. 0.023 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

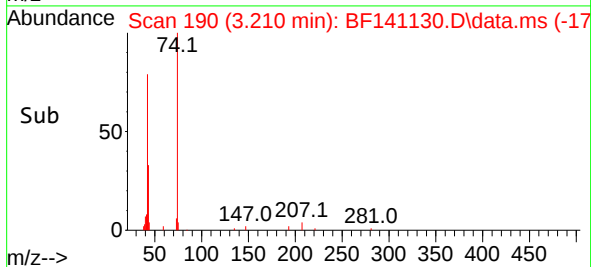
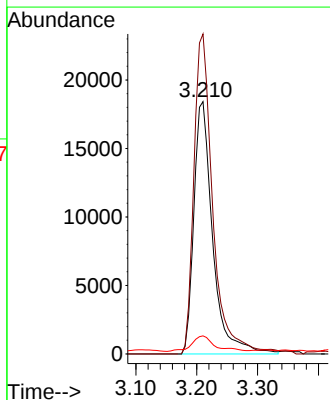
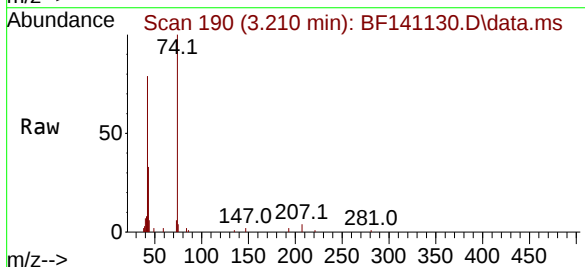
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

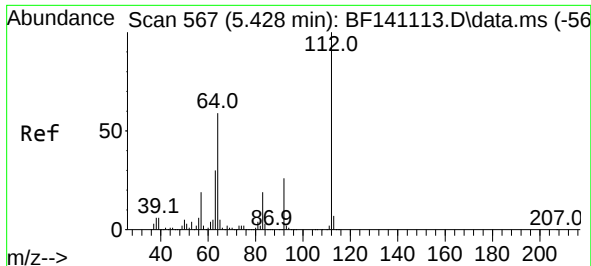
Tgt Ion: 79 Resp: 78027
Ion Ratio Lower Upper
79 100
52 73.2 58.9 88.3
51 37.0 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 7.819 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.018 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion: 42 Resp: 39604
Ion Ratio Lower Upper
42 100
74 126.8 103.8 155.6
44 7.2 5.3 7.9

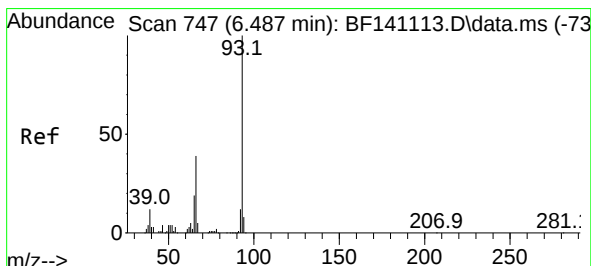
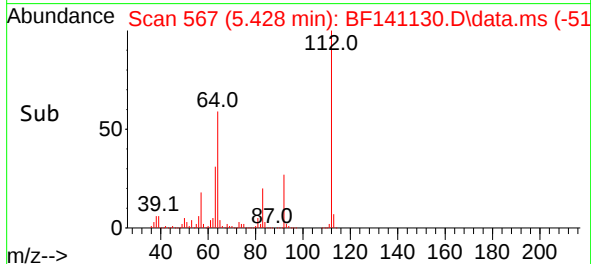
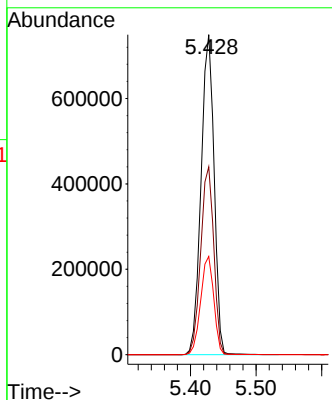
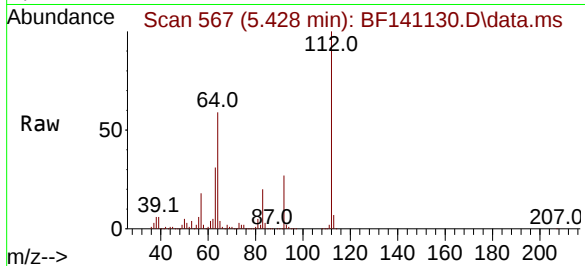




#5
2-Fluorophenol
Concen: 109.688 ng
RT: 5.428 min Scan# 509
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

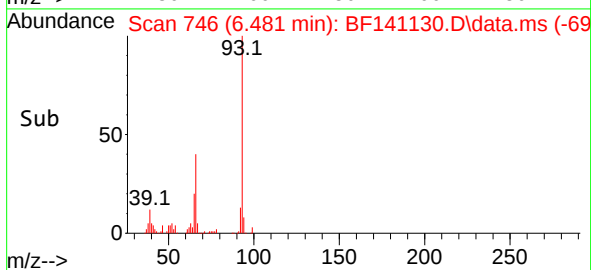
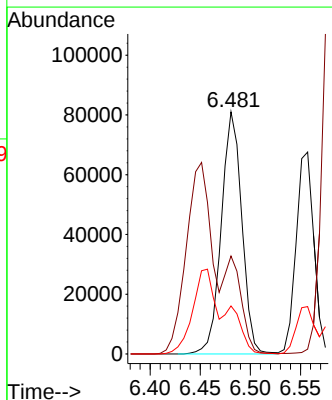
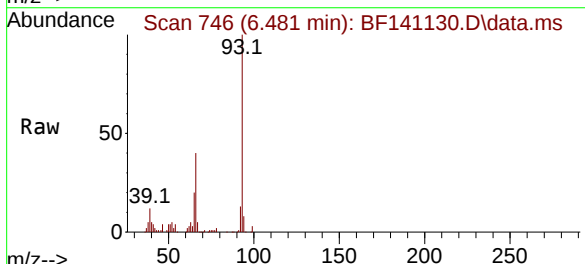
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

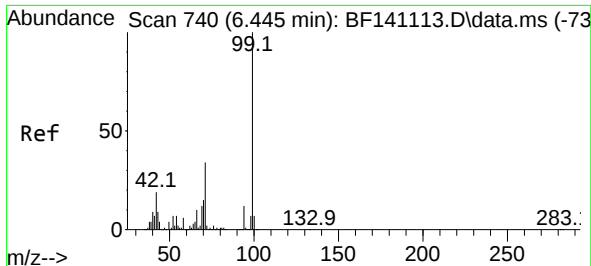
Tgt Ion:112 Resp: 1040555
Ion Ratio Lower Upper
112 100
64 58.7 47.3 70.9
63 30.7 24.2 36.2



#6
Aniline
Concen: 10.809 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion: 93 Resp: 115322
Ion Ratio Lower Upper
93 100
66 40.4 31.5 47.3
65 19.8 15.3 22.9



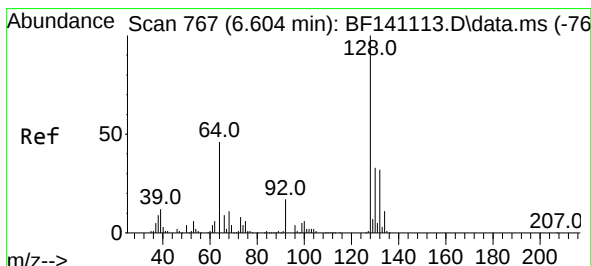
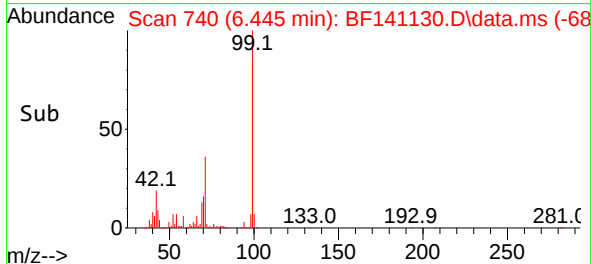
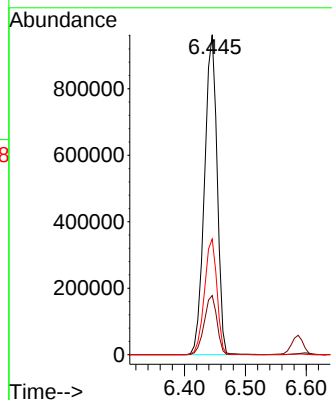
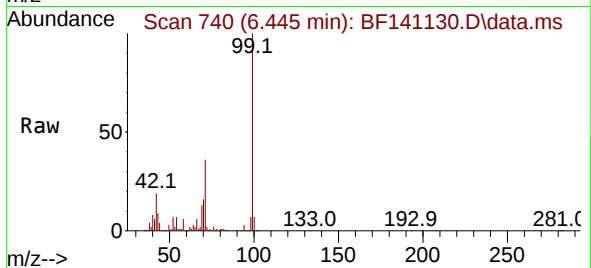


#7
Phenol-d6
Concen: 115.598 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 99 Resp: 1389109

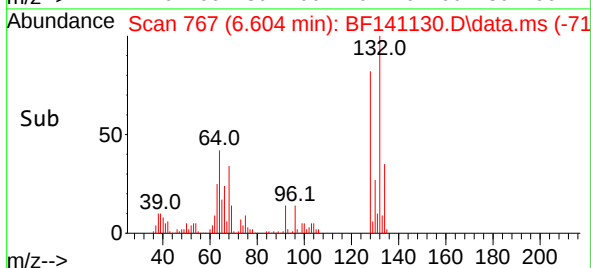
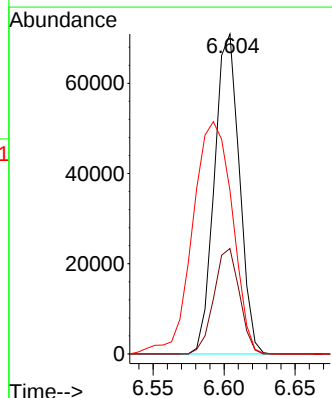
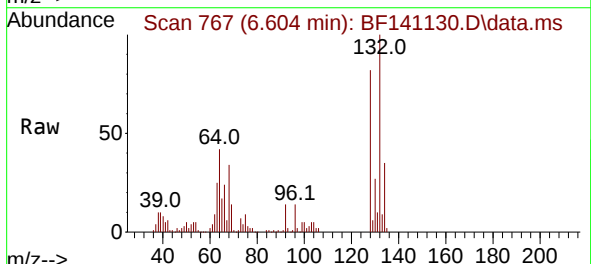
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	36.2	27.6	41.4

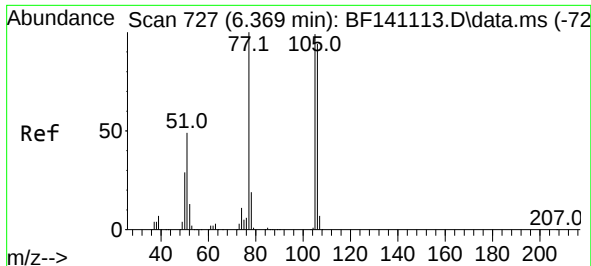


#8
2-Chlorophenol
Concen: 8.523 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion: 128 Resp: 86750

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.5	52.5
64	51.1	28.3	68.3

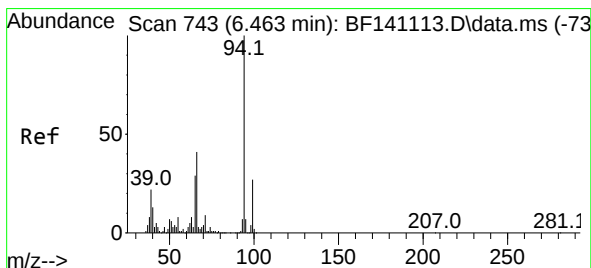
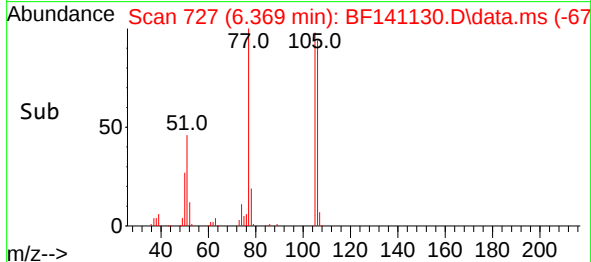
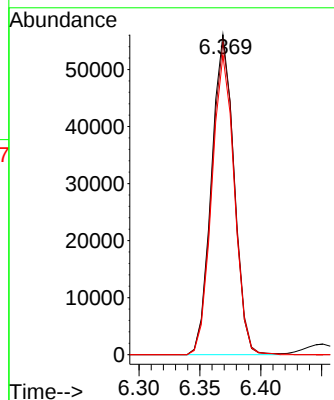
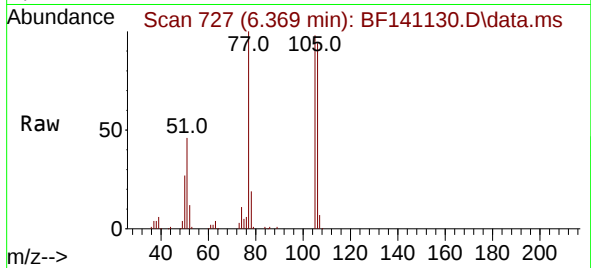




#9
Benzaldehyde
Concen: 10.176 ng
RT: 6.369 min Scan# 720
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

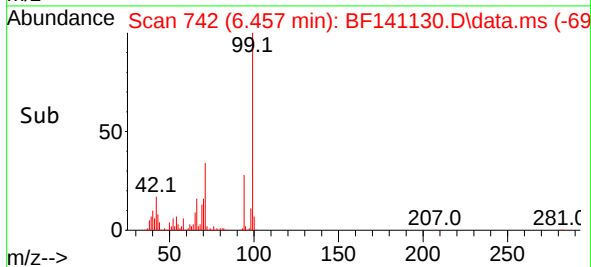
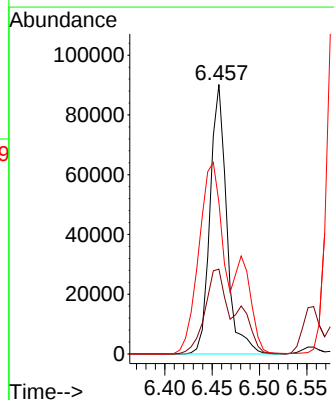
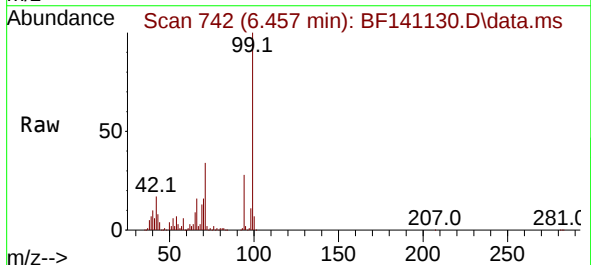
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

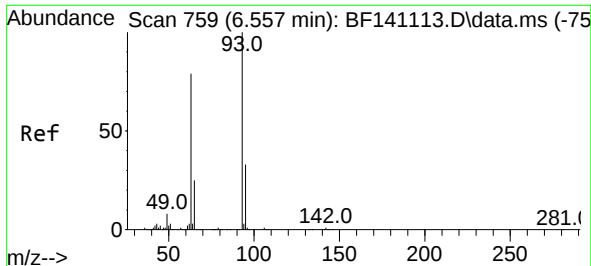
Tgt Ion:	77	Resp:	72019
Ion	Ratio	Lower	Upper
77	100		
105	97.7	78.9	118.9
106	93.6	73.6	113.6



#10
Phenol
Concen: 8.559 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:	94	Resp:	110103
Ion	Ratio	Lower	Upper
94	100		
65	31.5	8.9	48.9
66	56.2	21.2	61.2





#11

bis(2-Chloroethyl)ether

Concen: 8.689 ng

RT: 6.557 min Scan# 711

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

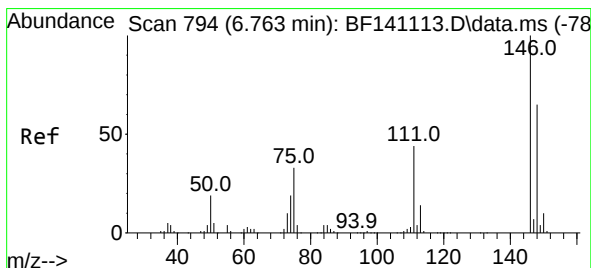
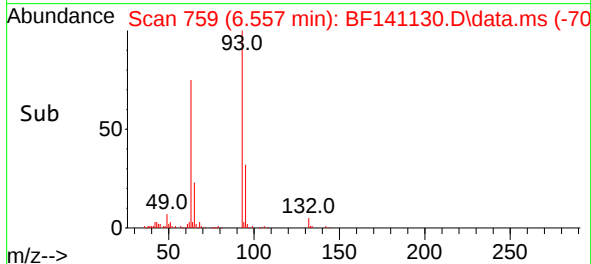
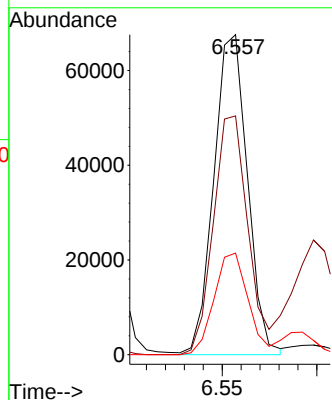
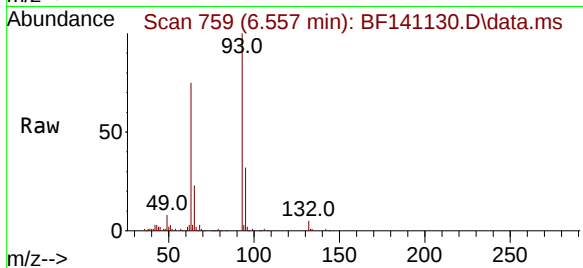
Tgt Ion: 93 Resp: 83299

Ion Ratio Lower Upper

93 100

63 74.6 58.0 98.0

95 31.8 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 8.137 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

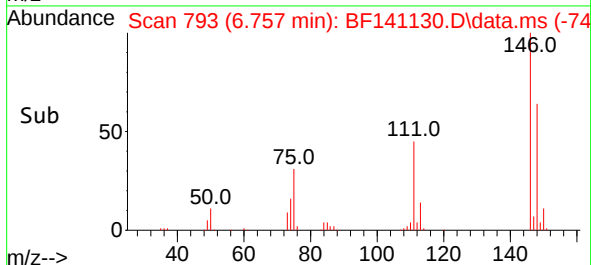
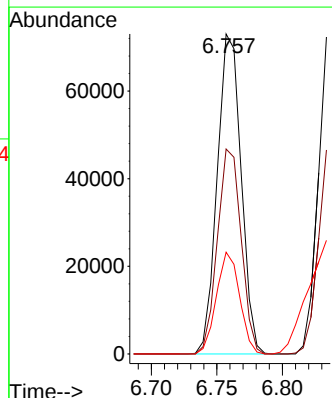
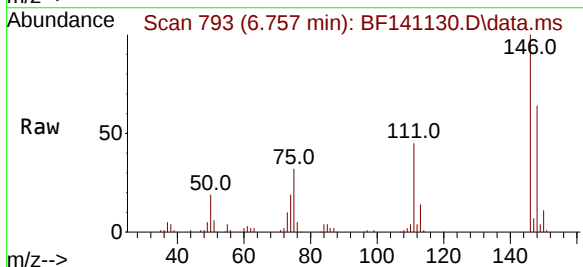
Tgt Ion:146 Resp: 92368

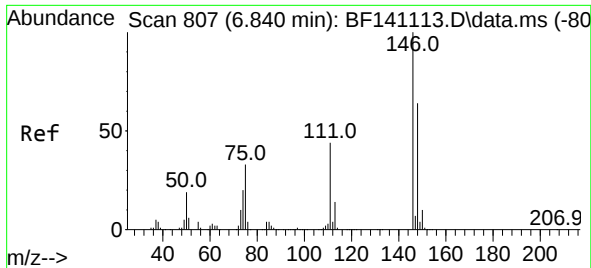
Ion Ratio Lower Upper

146 100

148 64.0 51.6 77.4

75 31.8 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 8.200 ng

RT: 6.839 min Scan# 807

Delta R.T. -0.000 min

Lab File: BF141130.D

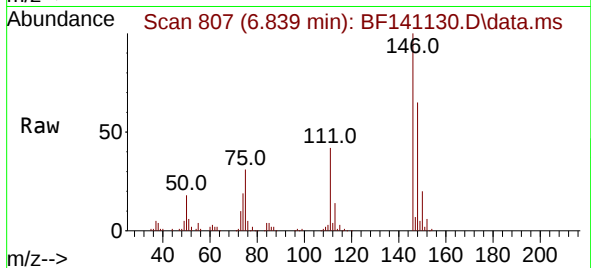
Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



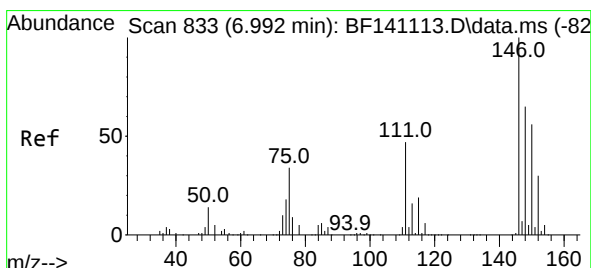
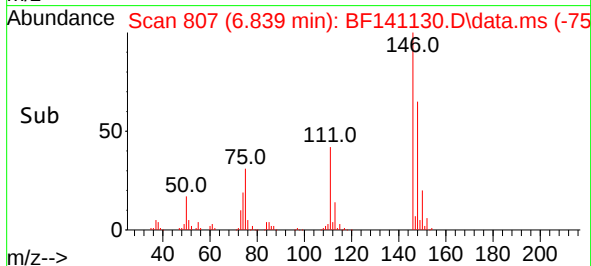
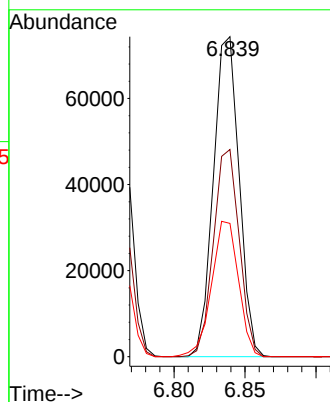
Tgt Ion:146 Resp: 93802

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 41.7 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 8.367 ng

RT: 6.992 min Scan# 833

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

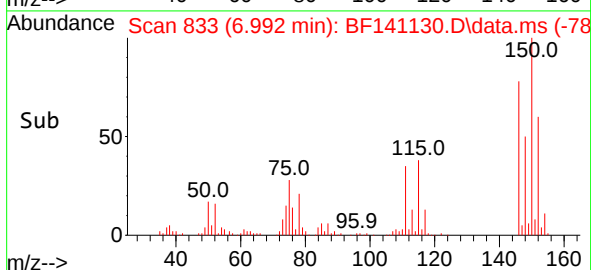
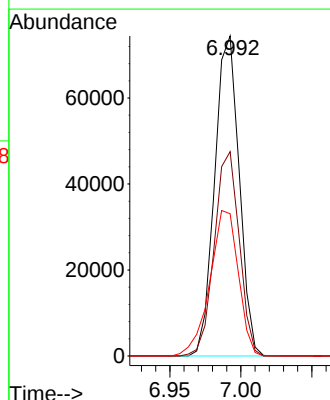
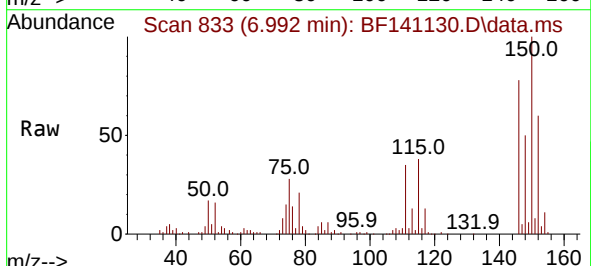
Tgt Ion:146 Resp: 89273

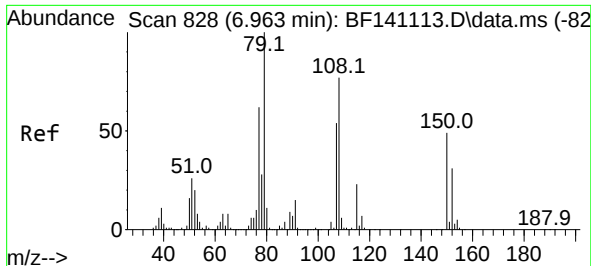
Ion Ratio Lower Upper

146 100

148 63.9 52.2 78.4

111 44.4 37.5 56.3

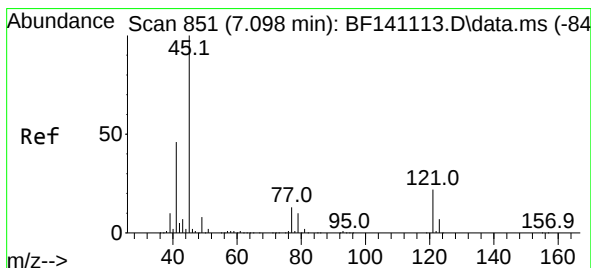
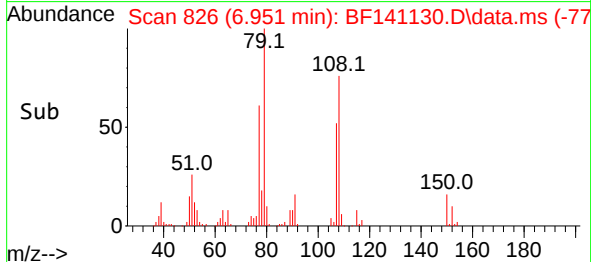
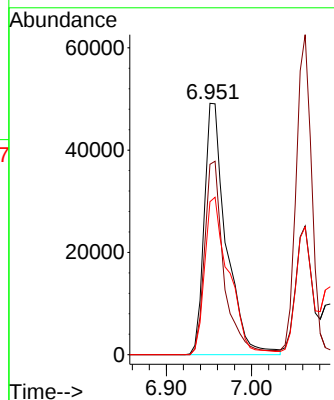
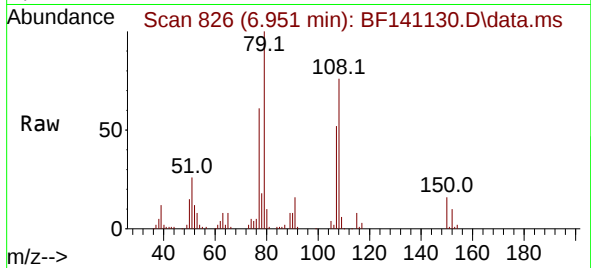




#15
Benzyl Alcohol
Concen: 10.120 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

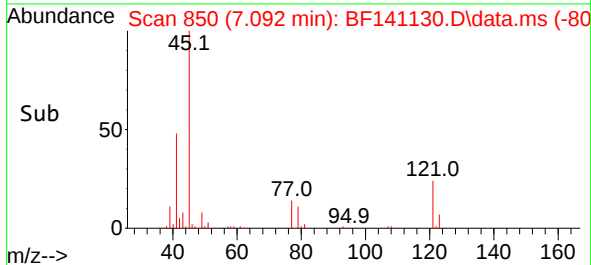
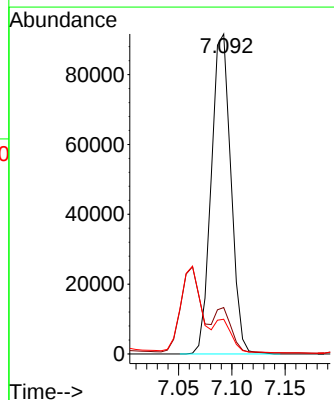
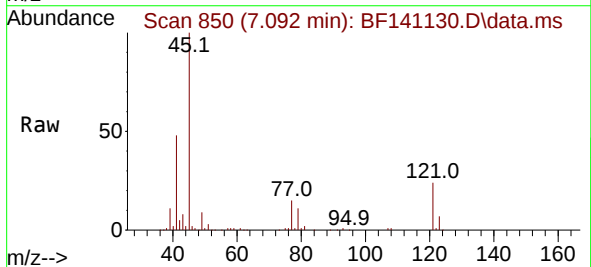
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

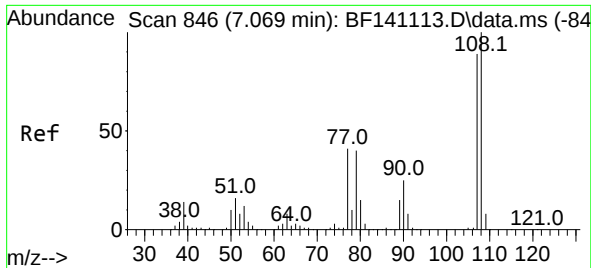
Tgt Ion: 79 Resp: 87820
Ion Ratio Lower Upper
79 100
108 75.8 61.4 92.0
77 60.9 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.787 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion: 45 Resp: 117551
Ion Ratio Lower Upper
45 100
77 14.5 0.0 34.1
79 10.8 0.0 31.0

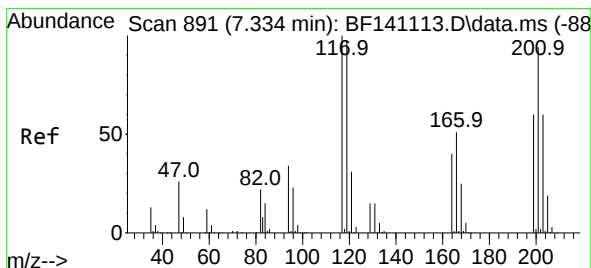
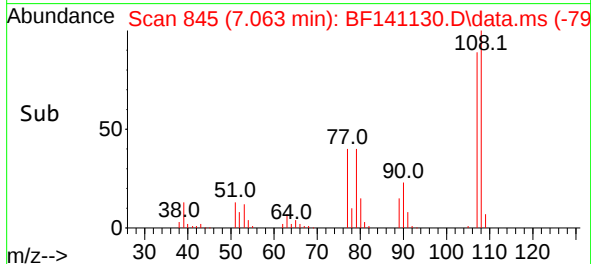
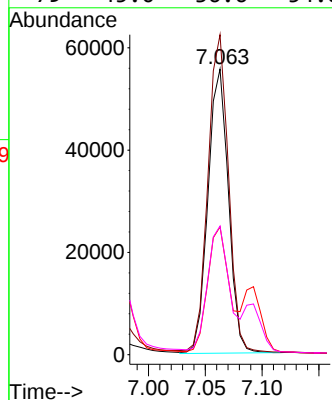
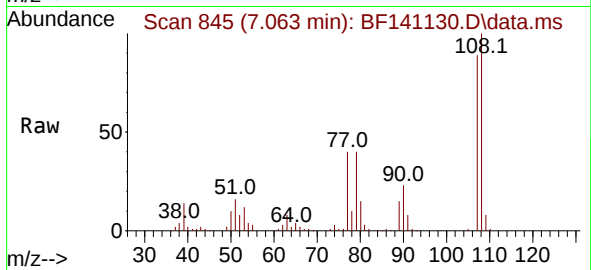




#17
2-Methylphenol
Concen: 8.477 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

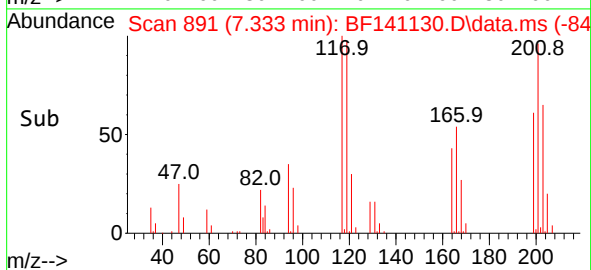
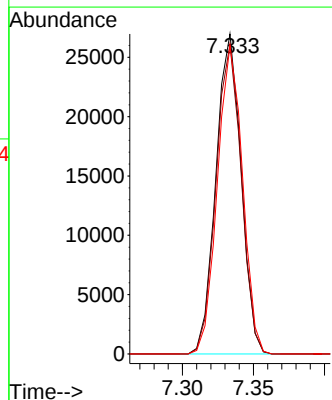
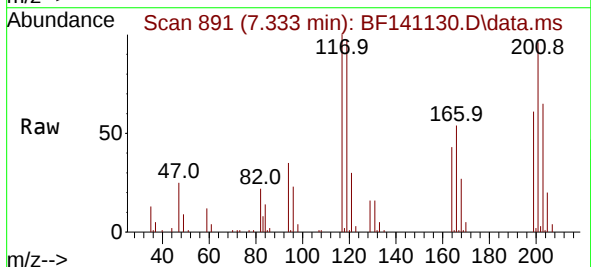
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

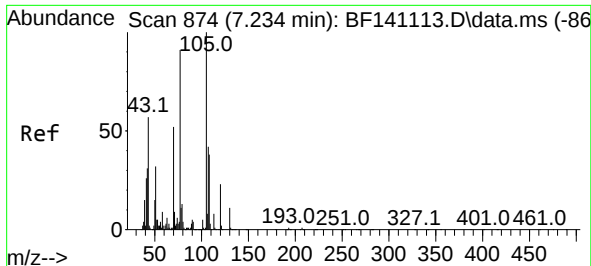
Tgt Ion:	107	Resp:	69652
Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.1	135.1
77	44.8	36.6	55.0
79	45.0	36.6	54.8



#18
Hexachloroethane
Concen: 8.055 ng
RT: 7.333 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:	117	Resp:	33319
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.6	116.4
201	96.4	75.1	112.7

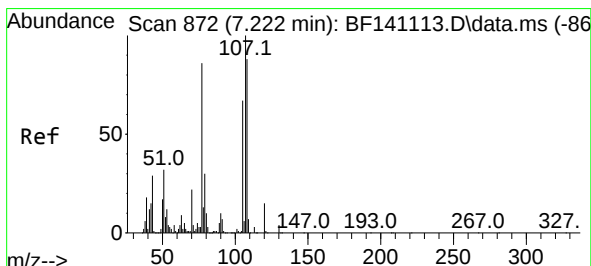
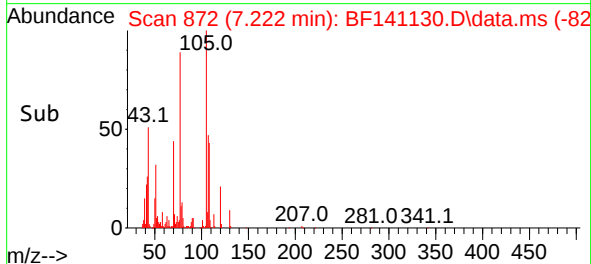
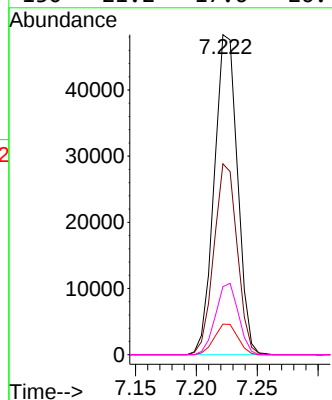
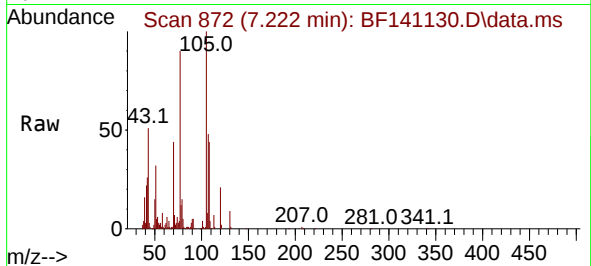




#19
n-Nitroso-di-n-propylamine
Concen: 9.096 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

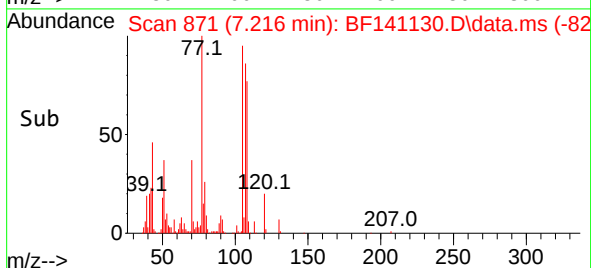
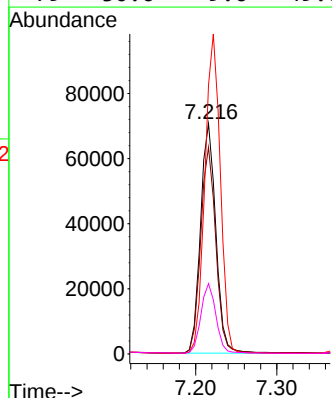
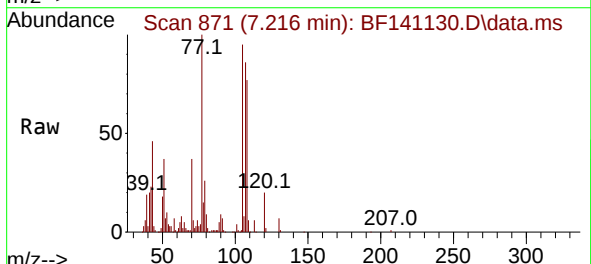
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

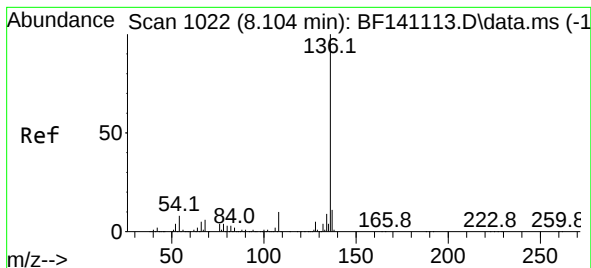
Tgt Ion: 70	Resp: 64385
Ion Ratio	Lower Upper
70 100	
42 59.6	47.8 71.6
101 9.6	7.9 11.9
130 21.2	17.6 26.4



#20
3+4-Methylphenols
Concen: 8.962 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt	Ion:107	Resp:	92903
Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.3	108.3
77	116.7	66.4	106.4#
79	30.6	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: BF141130.D

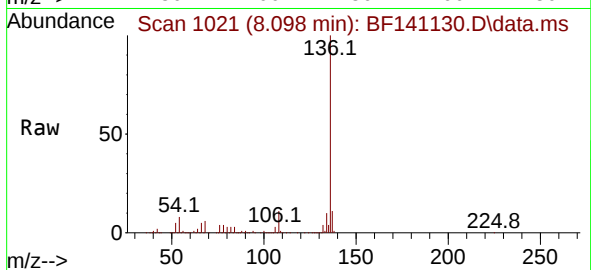
Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:136 Resp: 576091

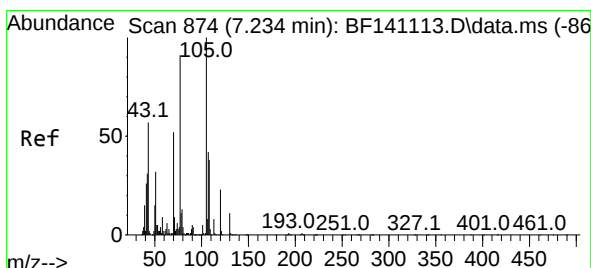
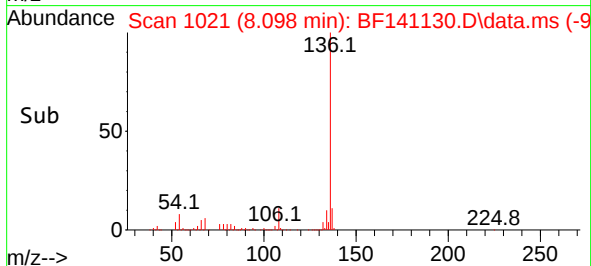
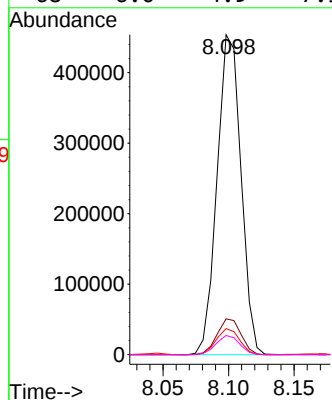
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.2 6.3 9.5

68 6.0 4.9 7.3



#22

Acetophenone

Concen: 9.802 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Tgt Ion:105 Resp: 134238

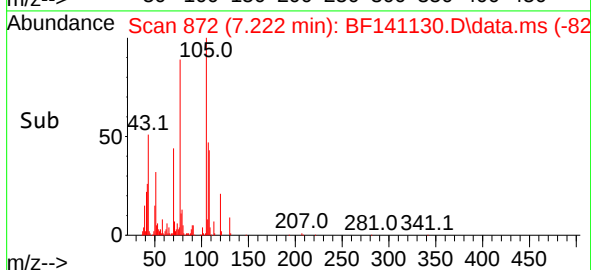
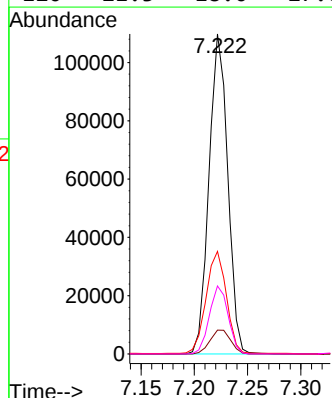
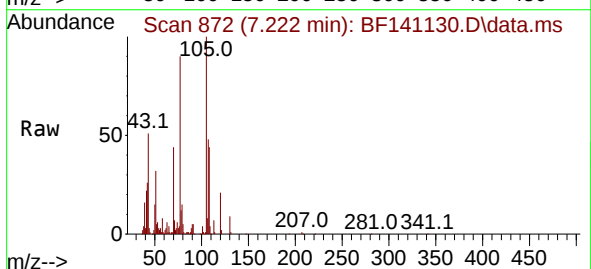
Ion Ratio Lower Upper

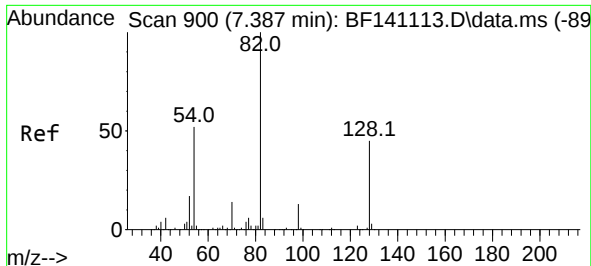
105 100

71 7.4 7.1 10.7

51 32.1 25.4 38.2

120 21.3 18.0 27.0

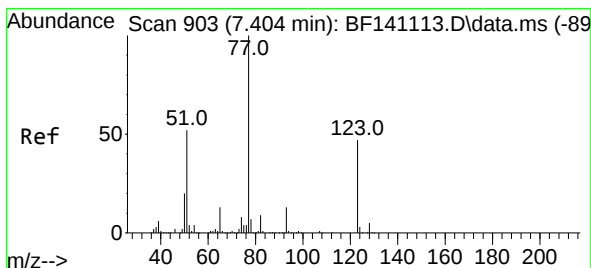
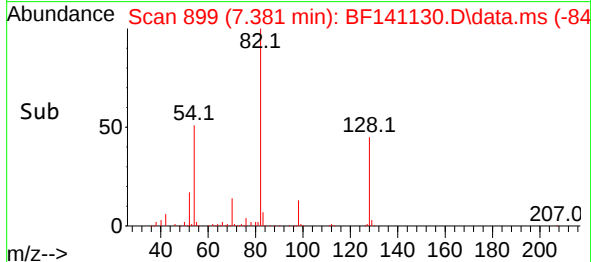
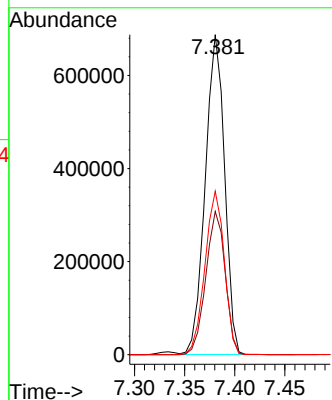
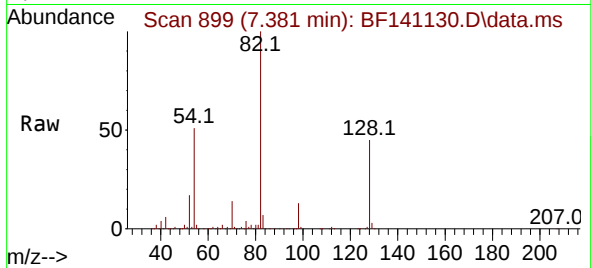




#23
Nitrobenzene-d5
Concen: 85.085 ng
RT: 7.381 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

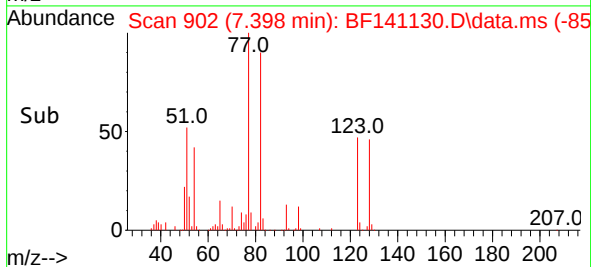
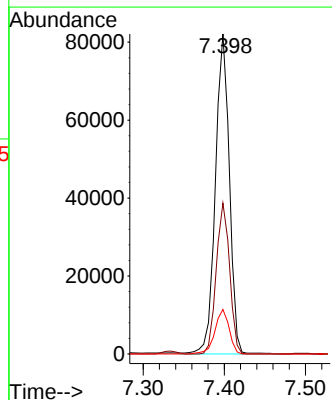
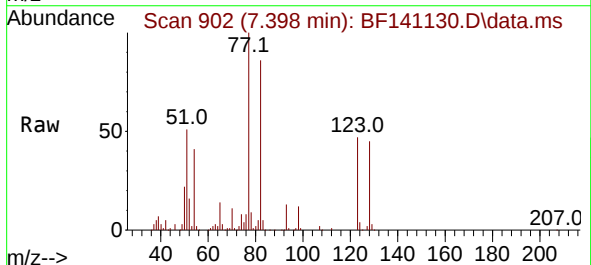
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

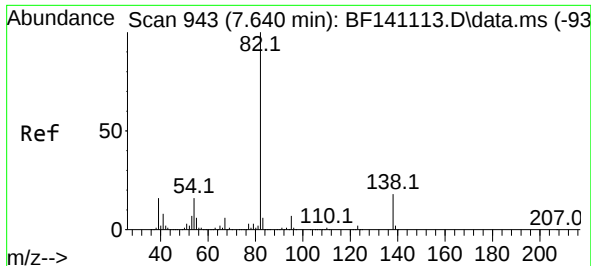
Tgt Ion: 82 Resp: 924691
Ion Ratio Lower Upper
82 100
128 44.7 36.1 54.1
54 51.1 41.0 61.4



#24
Nitrobenzene
Concen: 8.679 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion: 77 Resp: 98309
Ion Ratio Lower Upper
77 100
123 47.2 37.7 56.5
65 13.9 10.6 16.0

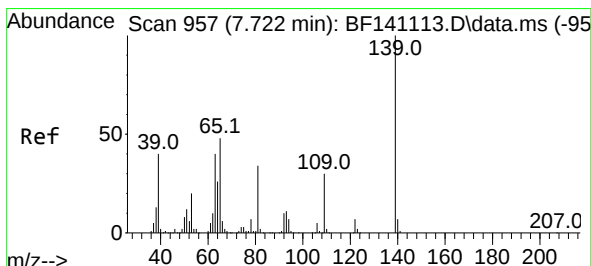
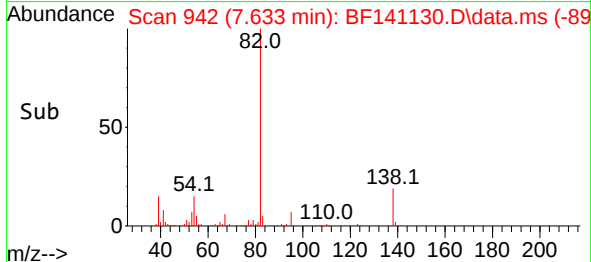
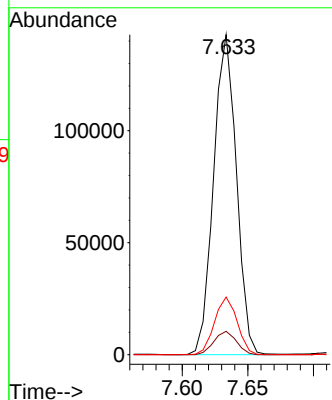
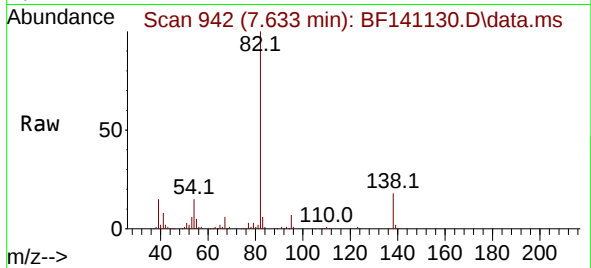




#25
Isophorone
Concen: 9.295 ng
RT: 7.633 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

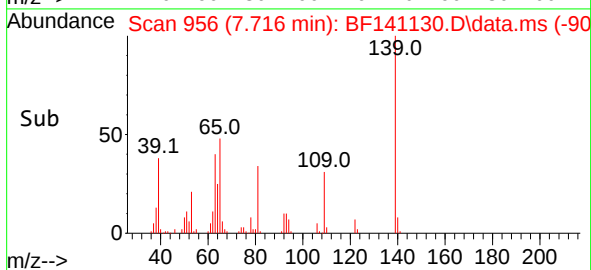
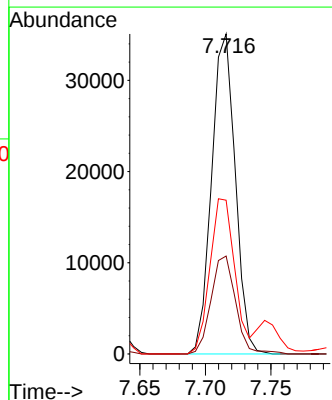
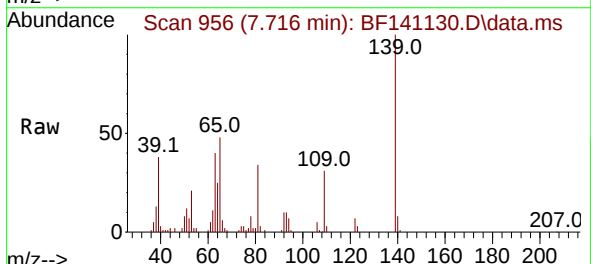
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

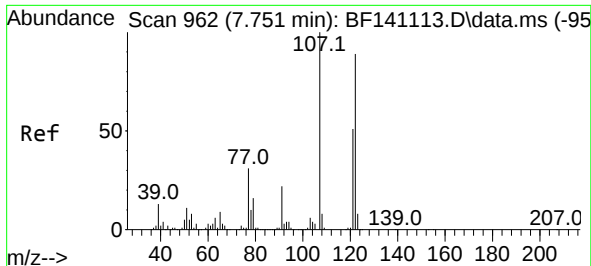
Tgt Ion: 82 Resp: 172642
Ion Ratio Lower Upper
82 100
95 7.3 5.9 8.9
138 18.0 14.2 21.2



#26
2-Nitrophenol
Concen: 8.540 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:139 Resp: 43999
Ion Ratio Lower Upper
139 100
109 30.6 23.8 35.6
65 48.0 38.5 57.7

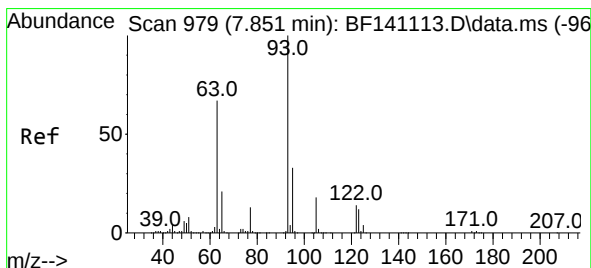
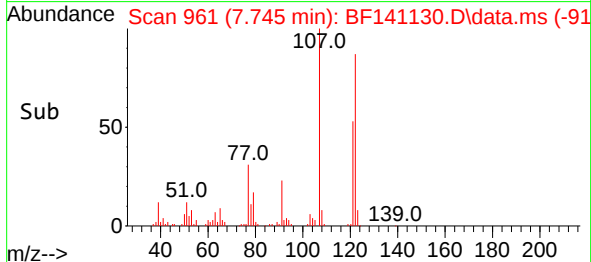
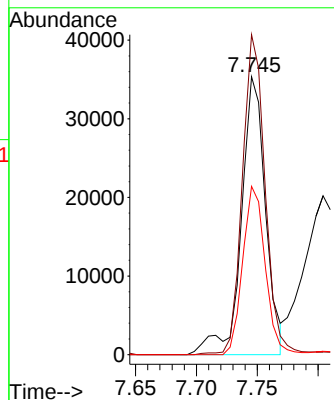
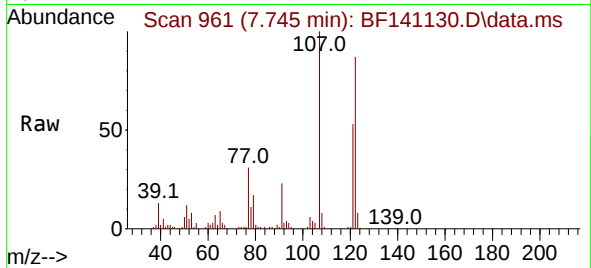




#27
2,4-Dimethylphenol
Concen: 7.060 ng
RT: 7.745 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

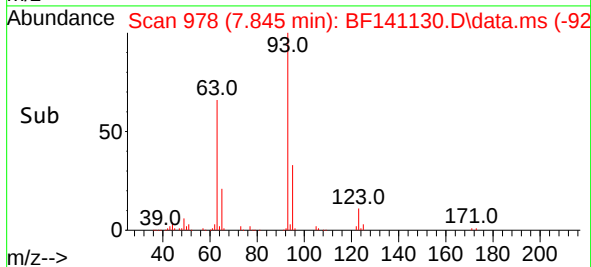
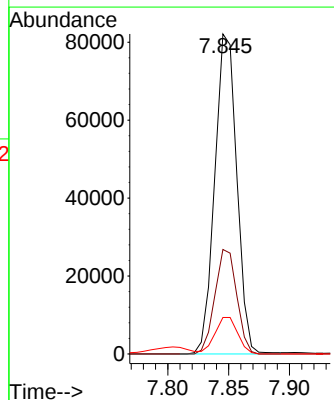
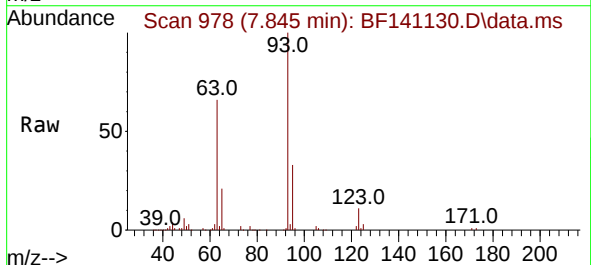
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

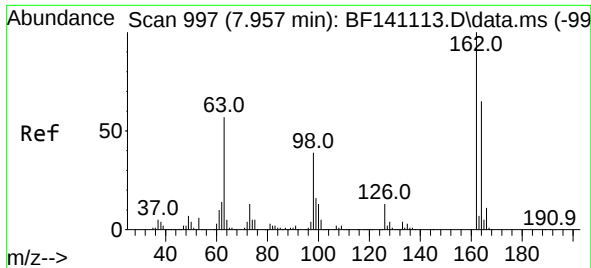
Tgt Ion:	122	Resp:	49068
Ion	Ratio	Lower	Upper
122	100		
107	115.1	90.3	135.5
121	60.6	46.5	69.7



#28
bis(2-Chloroethoxy)methane
Concen: 8.873 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:	93	Resp:	103426
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	11.4	10.1	15.1





#29

2,4-Dichlorophenol

Concen: 8.968 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

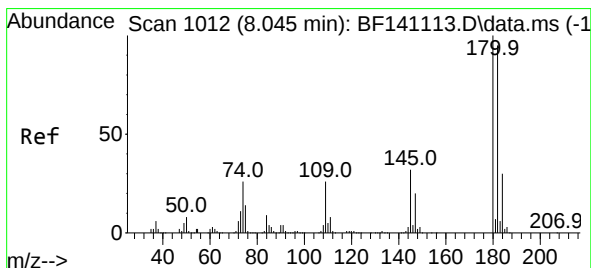
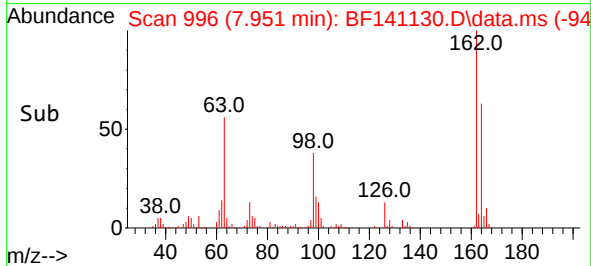
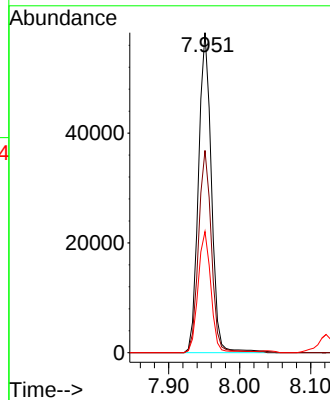
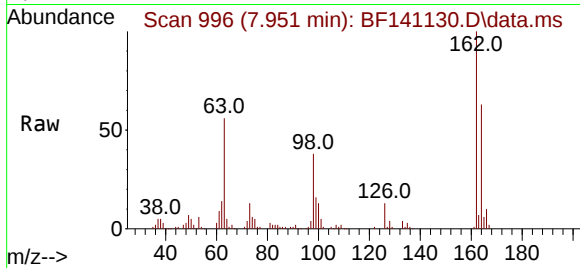
Tgt Ion:162 Resp: 74019

Ion Ratio Lower Upper

162 100

164 63.2 44.5 84.5

98 37.8 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 8.550 ng

RT: 8.039 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

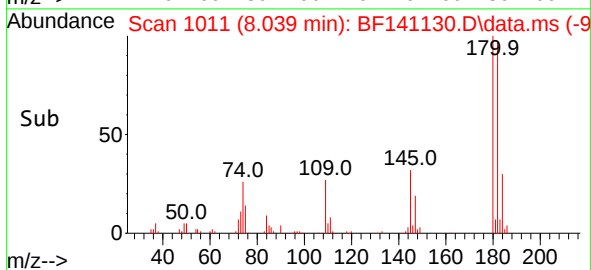
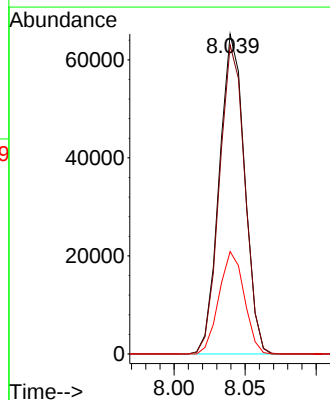
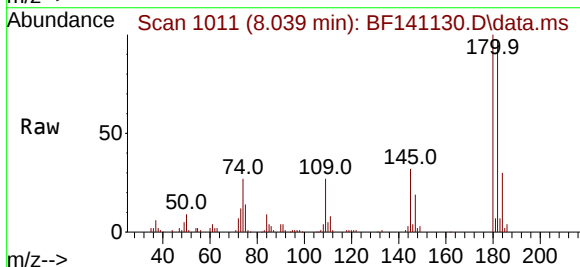
Tgt Ion:180 Resp: 80666

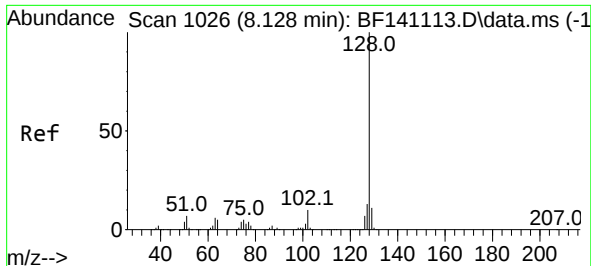
Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.2

145 32.0 25.3 37.9

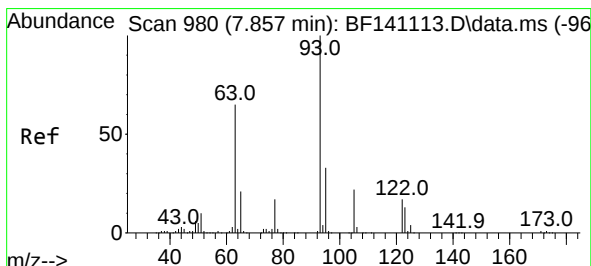
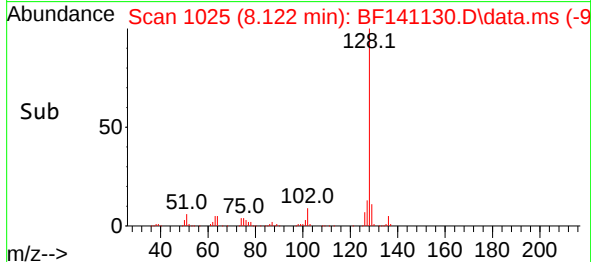
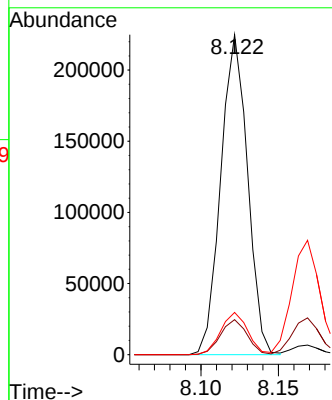
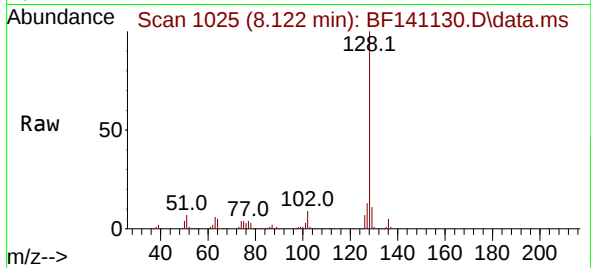




#31
Naphthalene
Concen: 8.884 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

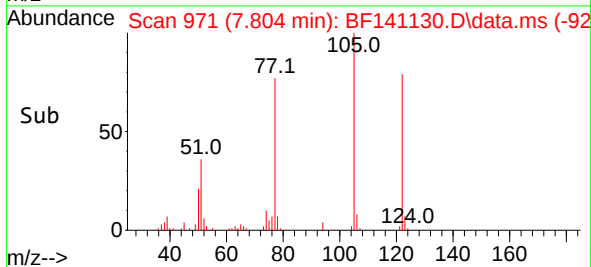
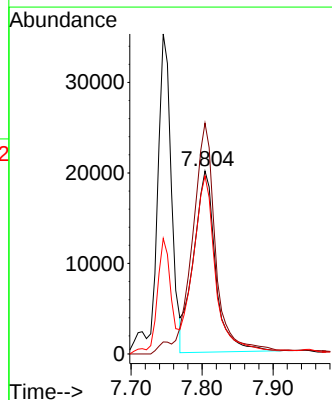
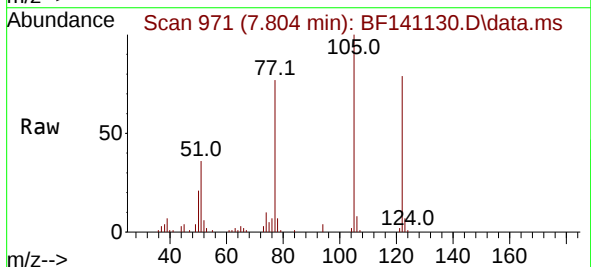
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

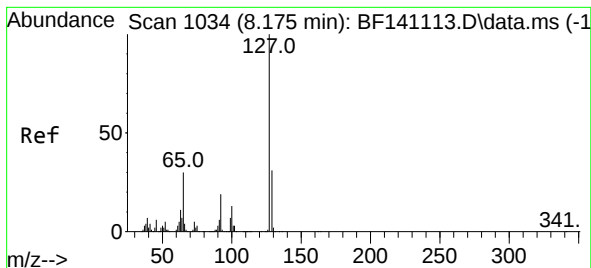
Tgt Ion:128 Resp: 269909
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 6.475 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.053 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:122 Resp: 43164
Ion Ratio Lower Upper
122 100
105 126.3 105.5 145.5
77 97.4 75.1 115.1





#33

4-Chloroaniline

Concen: 9.868 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:127 Resp: 103676

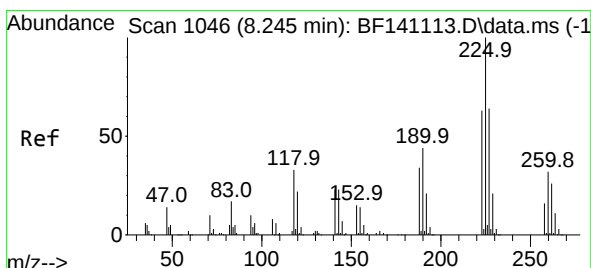
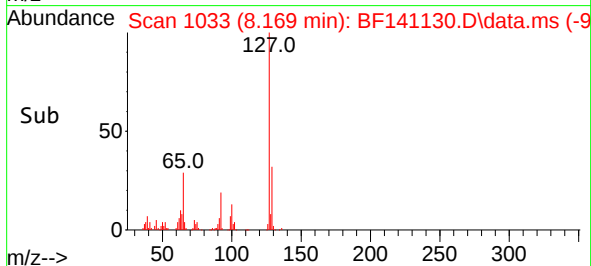
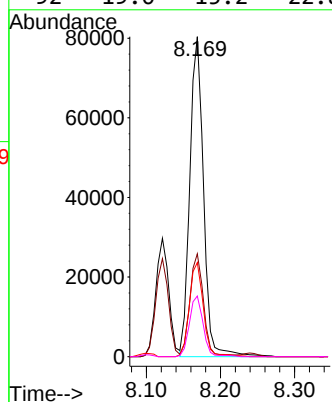
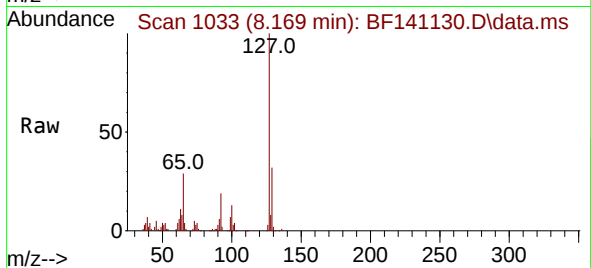
Ion Ratio Lower Upper

127 100

129 32.2 25.9 38.9

65 29.4 23.8 35.8

92 19.0 15.2 22.8



#34

Hexachlorobutadiene

Concen: 8.281 ng

RT: 8.239 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

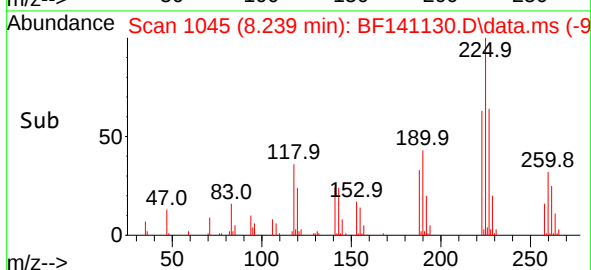
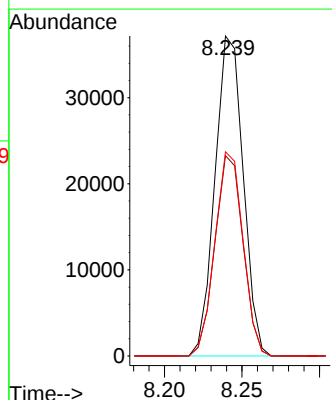
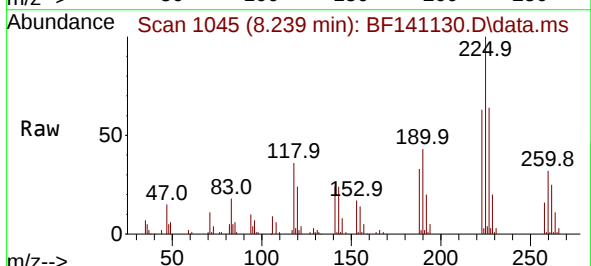
Tgt Ion:225 Resp: 47079

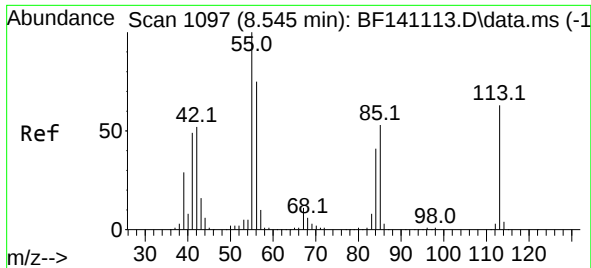
Ion Ratio Lower Upper

225 100

223 62.6 50.6 76.0

227 63.8 51.6 77.4





#35

Caprolactam

Concen: 8.540 ng

RT: 8.498 min Scan# 1108

Delta R.T. -0.047 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

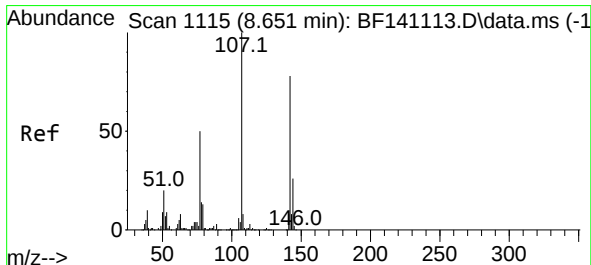
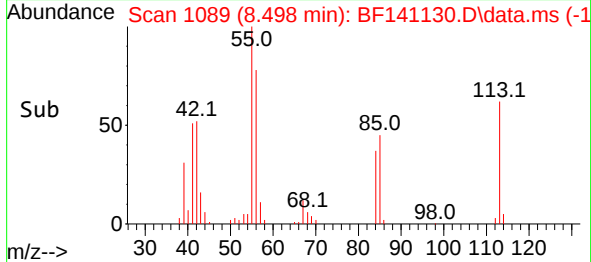
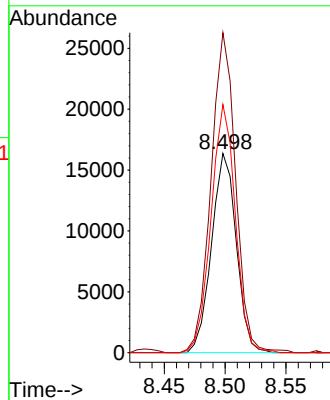
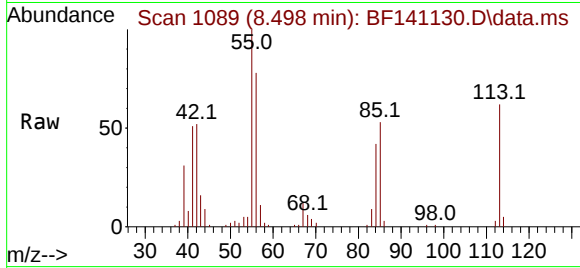
Tgt Ion:113 Resp: 23078

Ion Ratio Lower Upper

113 100

55 160.7 139.7 179.7

56 124.6 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 8.877 ng

RT: 8.639 min Scan# 1113

Delta R.T. -0.012 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

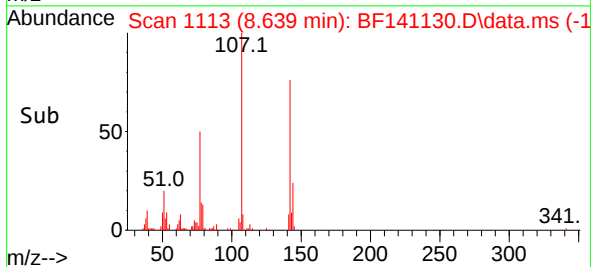
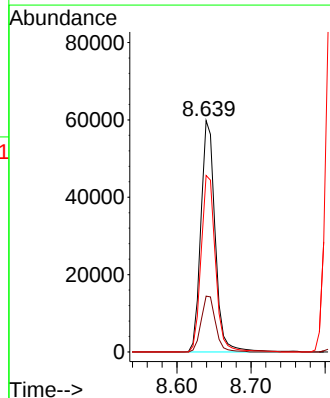
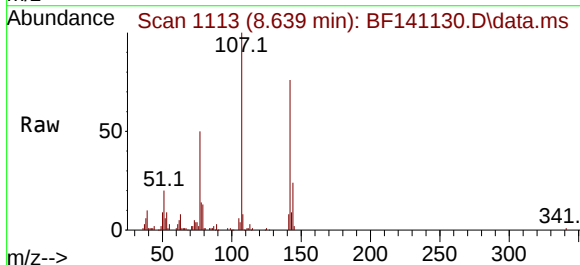
Tgt Ion:107 Resp: 80130

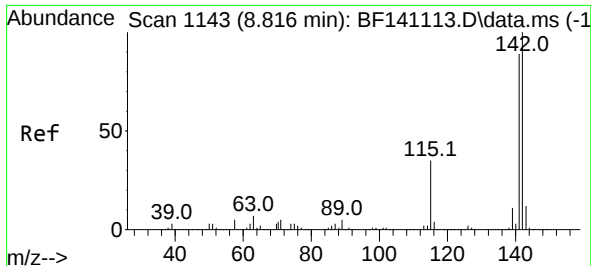
Ion Ratio Lower Upper

107 100

144 24.1 20.4 30.6

142 76.3 62.2 93.2





#37

2-Methylnaphthalene

Concen: 9.230 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

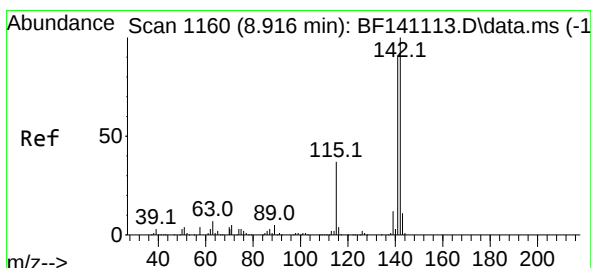
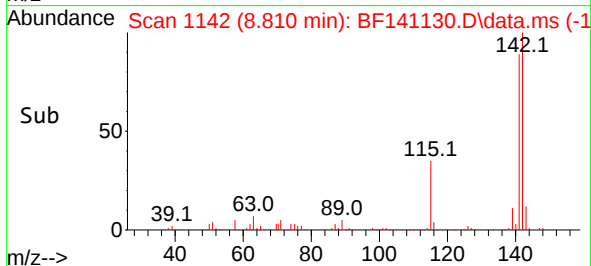
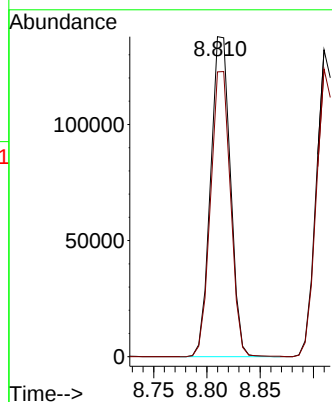
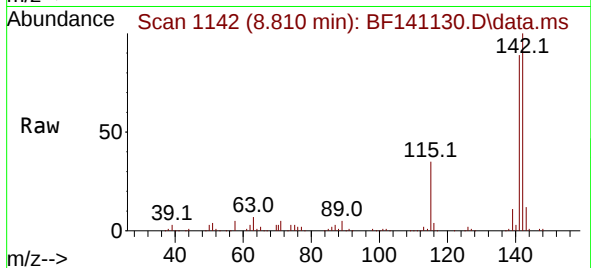
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:142 Resp: 178684

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9



#38

1-Methylnaphthalene

Concen: 8.633 ng

RT: 8.910 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF141130.D

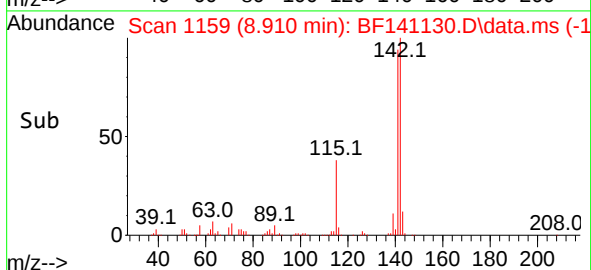
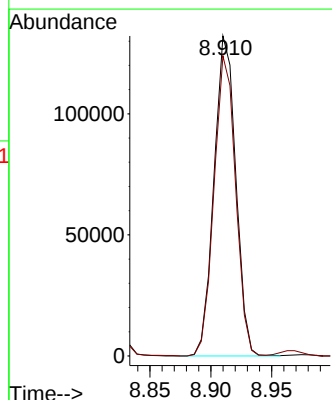
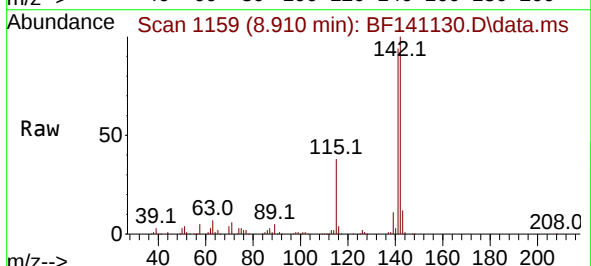
Acq: 13 Jan 2025 17:03

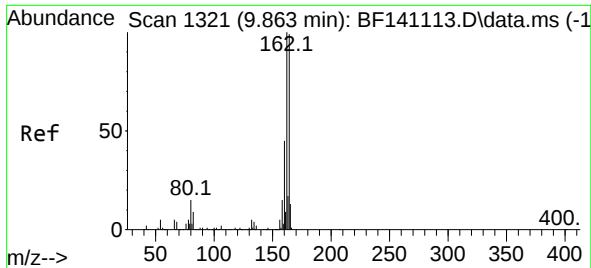
Tgt Ion:142 Resp: 164722

Ion Ratio Lower Upper

142 100

141 93.8 73.1 109.7

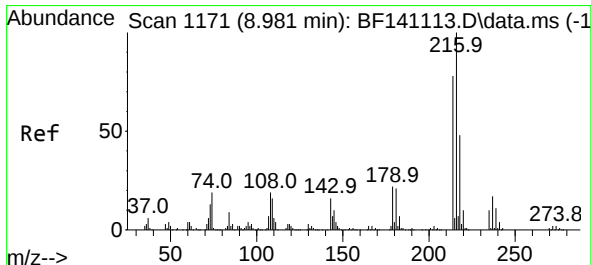
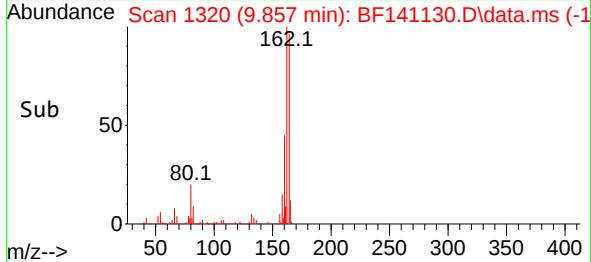
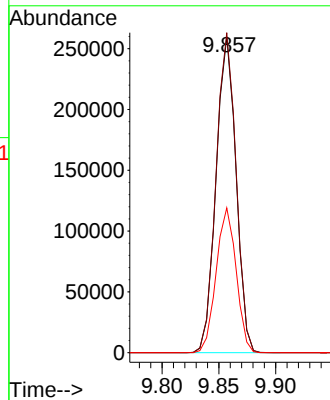
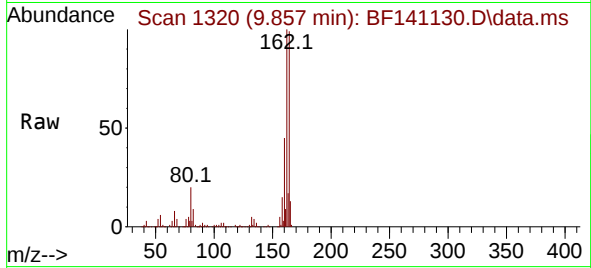




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

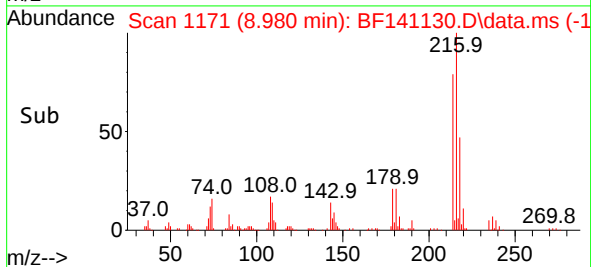
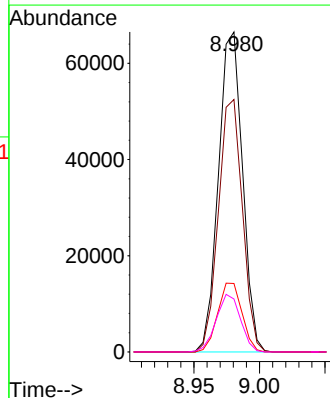
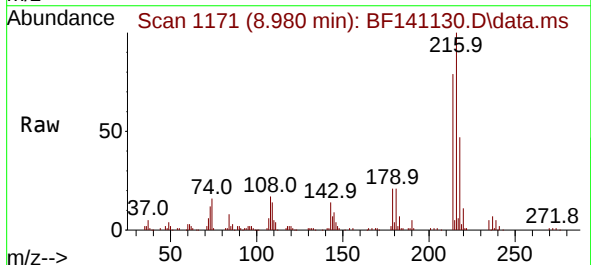
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

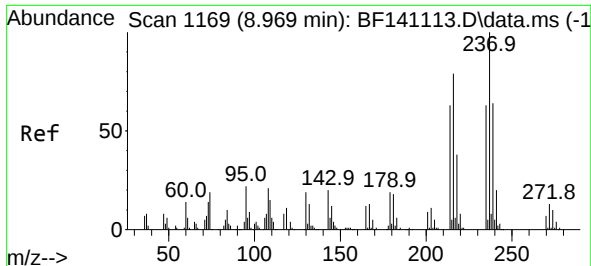
Tgt Ion:164 Resp: 316885
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 45.9 36.1 54.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.312 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:216 Resp: 84698
Ion Ratio Lower Upper
216 100
214 78.8 62.6 94.0
179 21.8 17.7 26.5
108 18.3 15.4 23.0

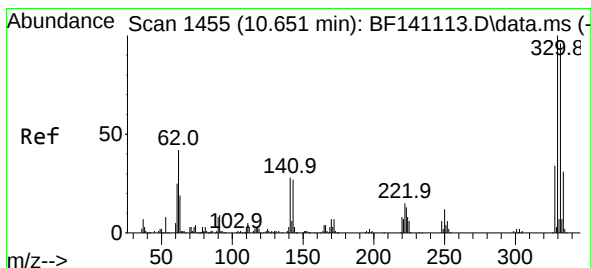
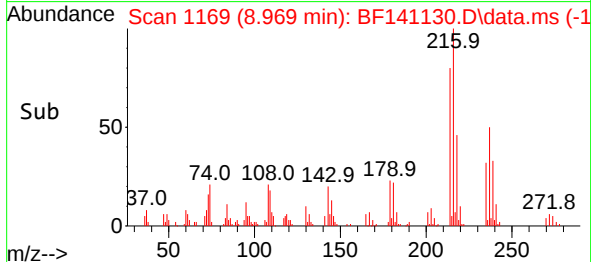
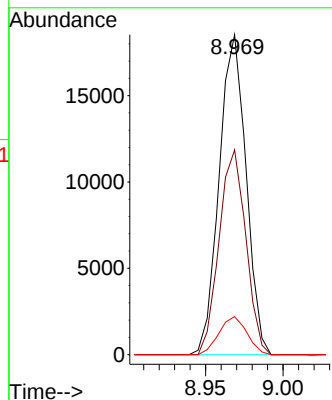
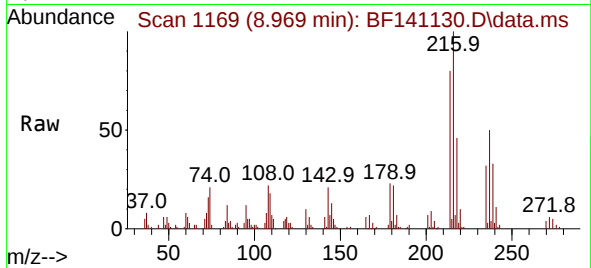




#41
Hexachlorocyclopentadiene
Concen: 7.515 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

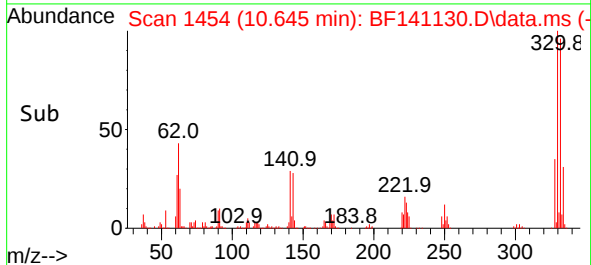
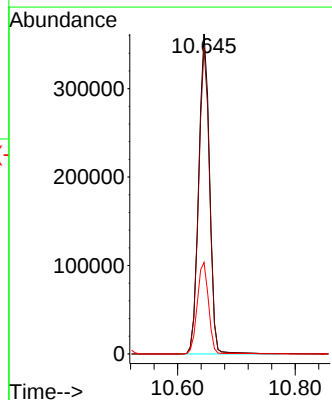
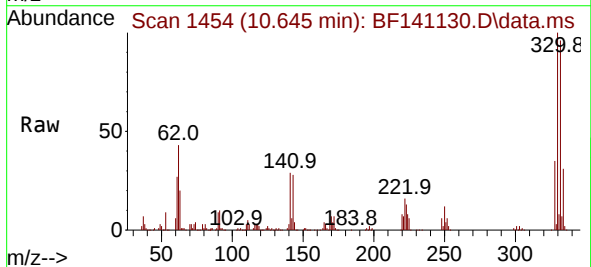
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

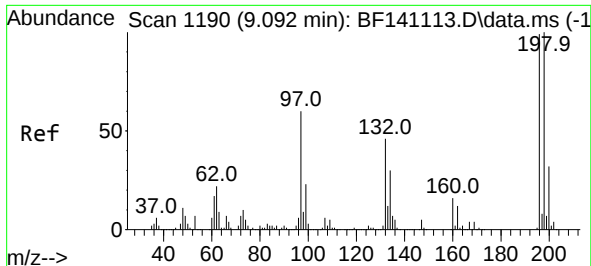
Tgt Ion:237	Resp:	22361
Ion Ratio	Lower	Upper
237	100	
235	64.0	43.0 83.0
272	11.9	0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 128.742 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:330	Resp:	464849
Ion Ratio	Lower	Upper
330	100	
332	96.3	76.9 115.3
141	29.5	25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 8.372 ng

RT: 9.086 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

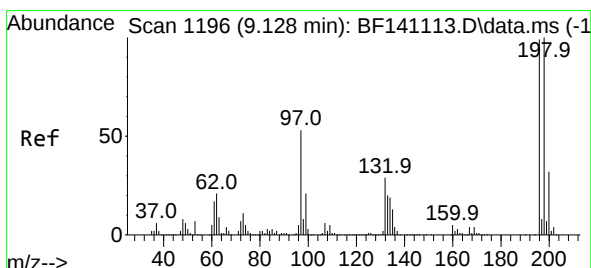
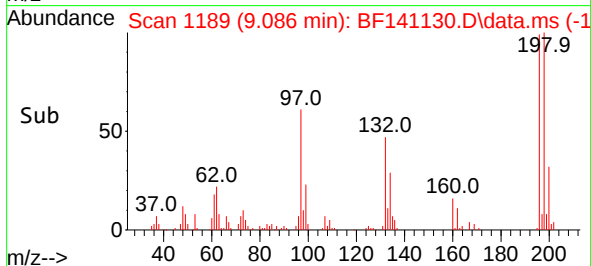
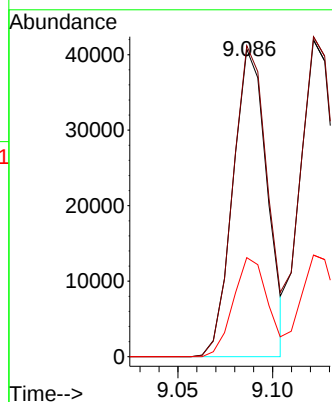
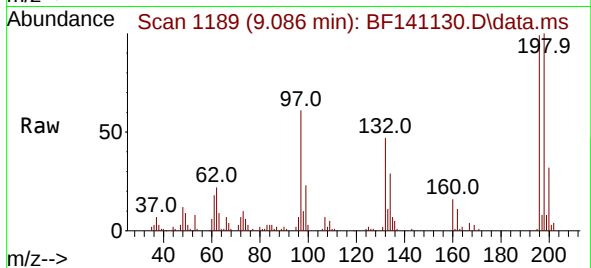
Tgt Ion:196 Resp: 51353

Ion Ratio Lower Upper

196 100

198 101.1 80.8 121.2

200 32.2 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 8.512 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Tgt Ion:196 Resp: 55144

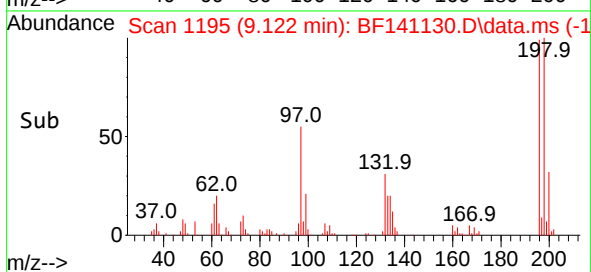
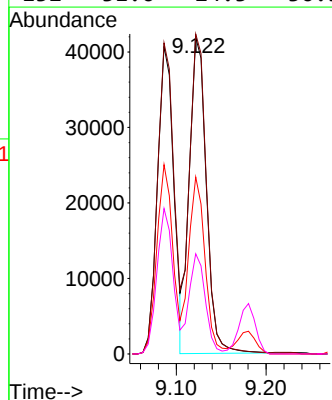
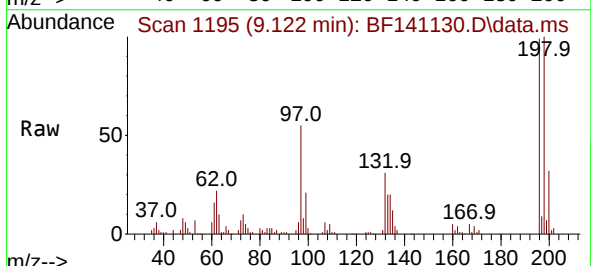
Ion Ratio Lower Upper

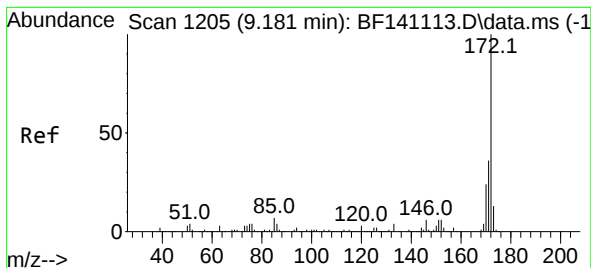
196 100

198 101.0 80.6 120.8

97 55.9 43.1 64.7

132 31.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 82.586 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

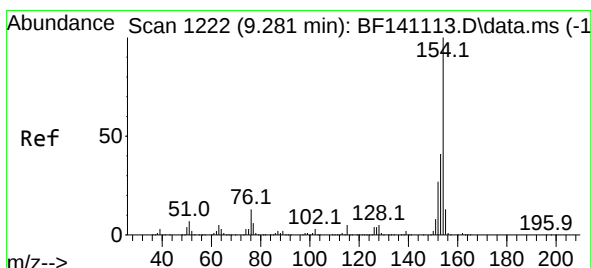
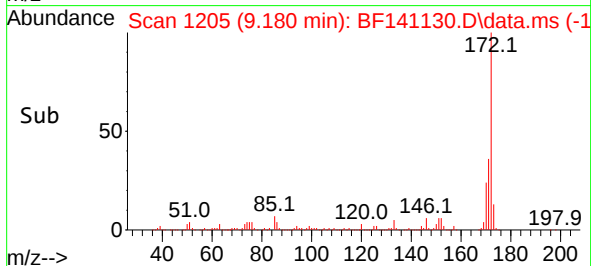
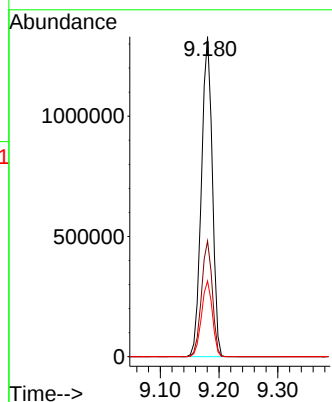
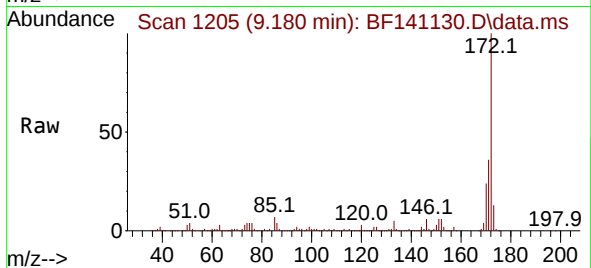
Tgt Ion:172 Resp: 1713790

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 9.518 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

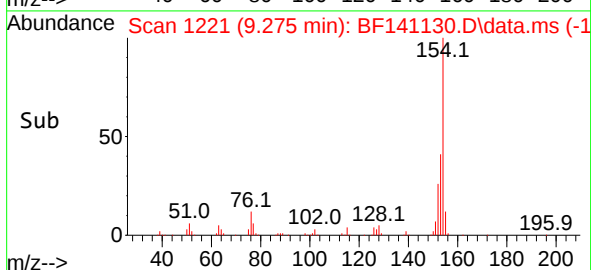
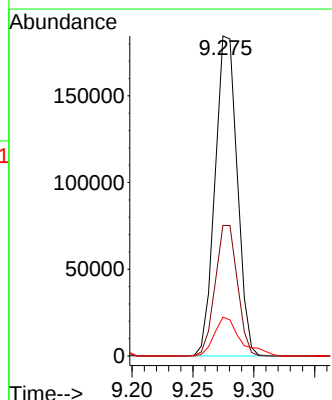
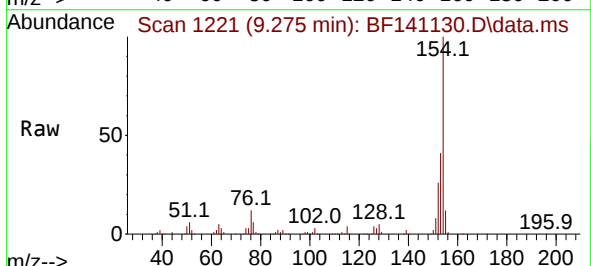
Tgt Ion:154 Resp: 234241

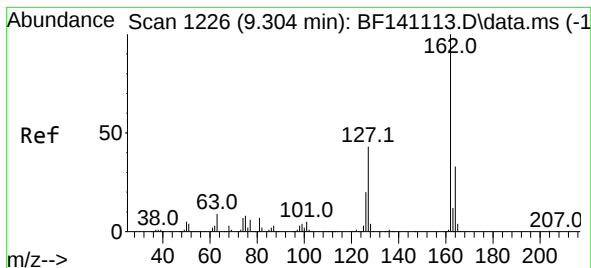
Ion Ratio Lower Upper

154 100

153 40.8 20.7 60.7

76 12.2 0.0 33.1





#47

2-Chloronaphthalene

Concen: 8.801 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

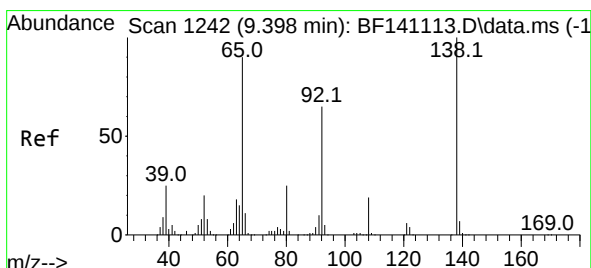
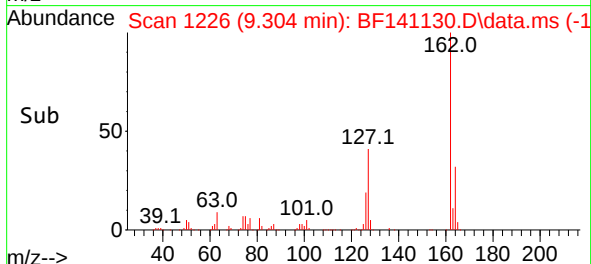
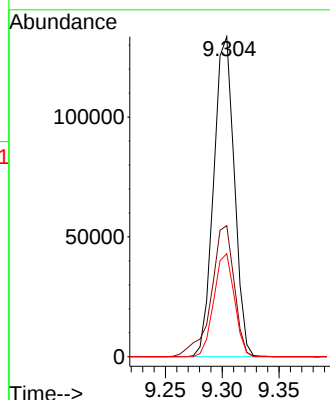
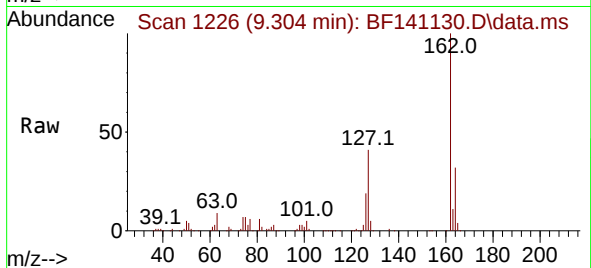
Tgt Ion:162 Resp: 168694

Ion Ratio Lower Upper

162 100

127 41.0 34.6 51.8

164 32.2 26.5 39.7



#48

2-Nitroaniline

Concen: 8.261 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

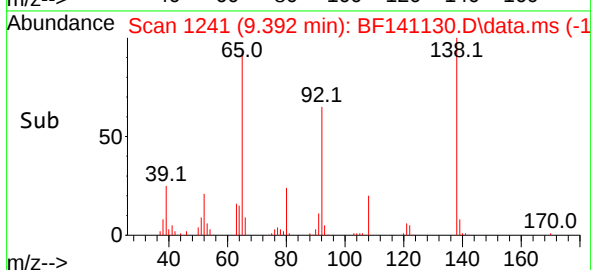
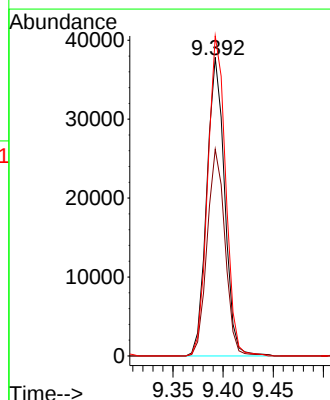
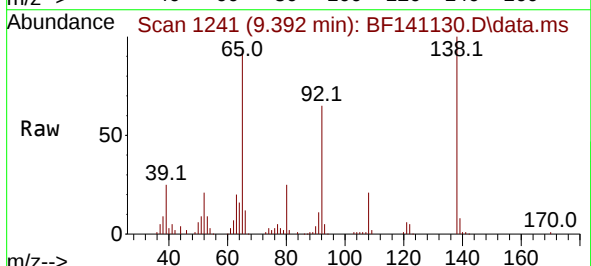
Tgt Ion: 65 Resp: 46939

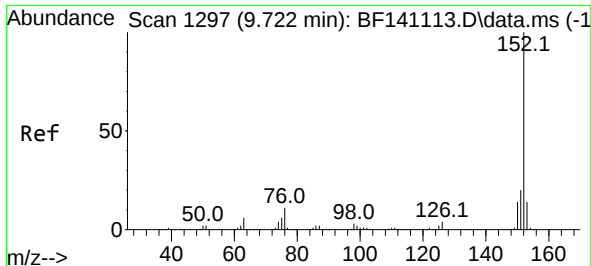
Ion Ratio Lower Upper

65 100

92 69.2 58.3 87.5

138 107.2 89.1 133.7





#49

Acenaphthylene

Concen: 9.739 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141130.D

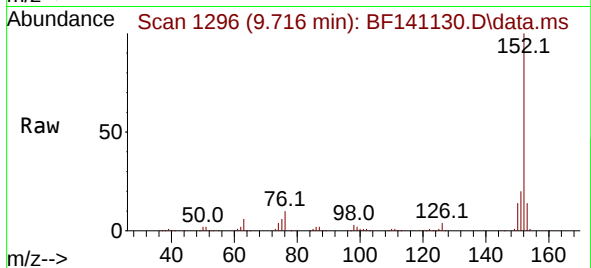
Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



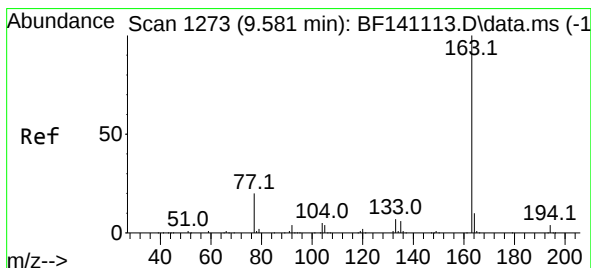
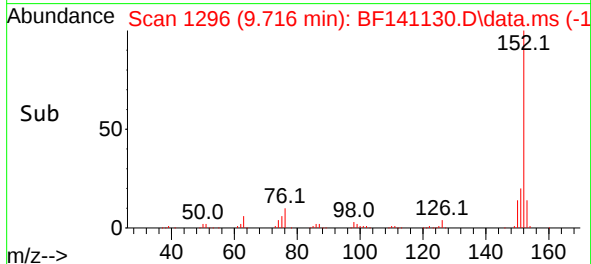
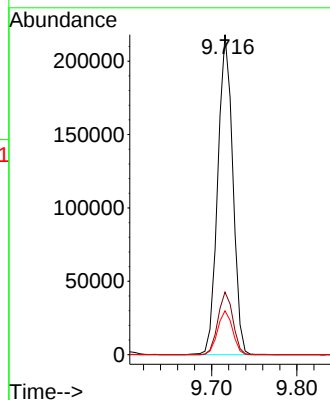
Tgt Ion:152 Resp: 266689

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 13.7 11.1 16.7



#50

Dimethylphthalate

Concen: 9.074 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

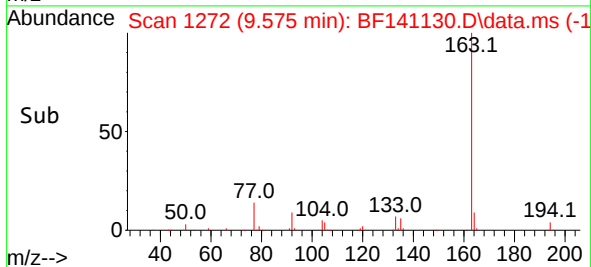
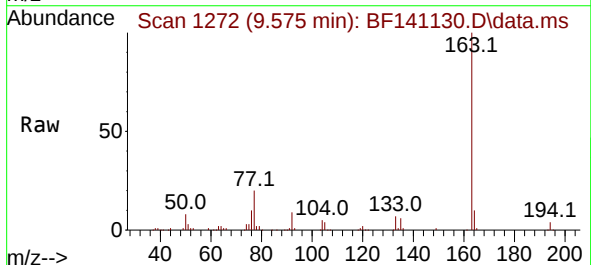
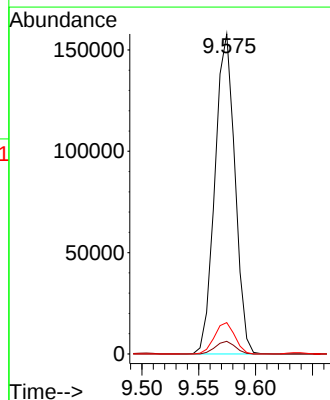
Tgt Ion:163 Resp: 193046

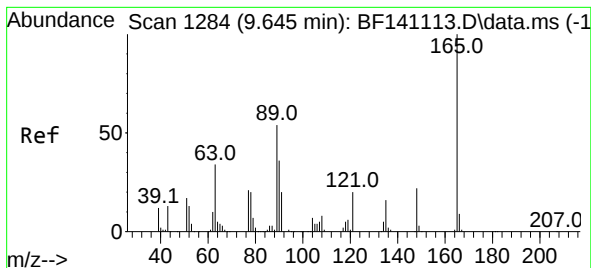
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 9.8 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 8.215 ng

RT: 9.633 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

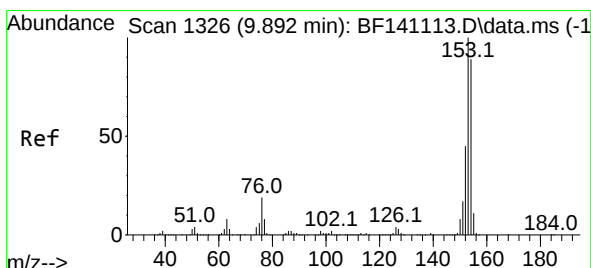
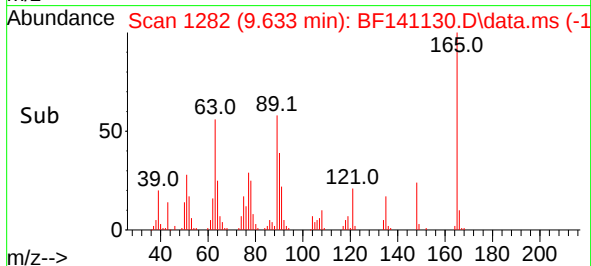
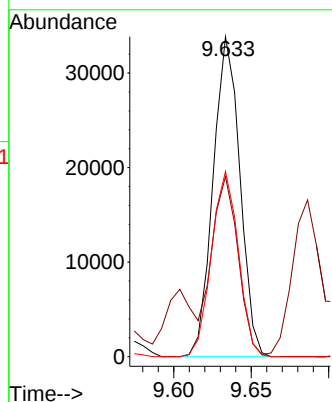
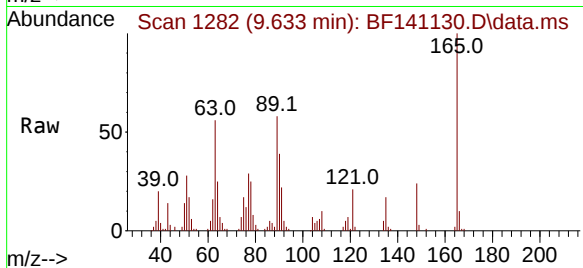
Tgt Ion:165 Resp: 40642

Ion Ratio Lower Upper

165 100

63 56.3 42.3 63.5

89 57.9 43.1 64.7



#52

Acenaphthene

Concen: 8.757 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

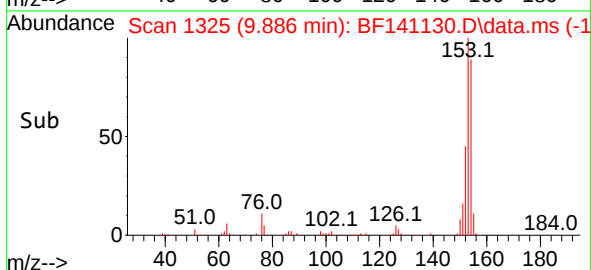
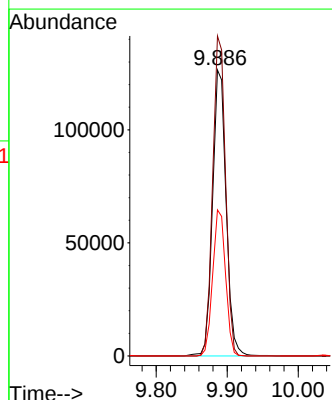
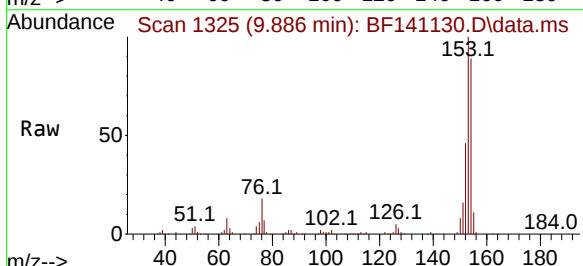
Tgt Ion:154 Resp: 167539

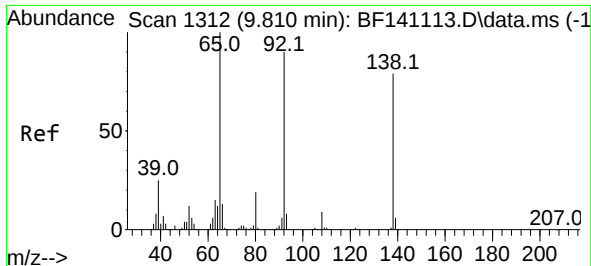
Ion Ratio Lower Upper

154 100

153 111.9 89.8 134.6

152 51.1 40.8 61.2

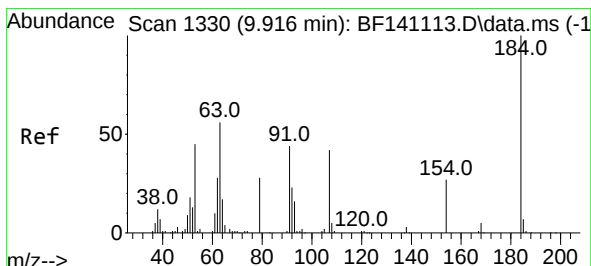
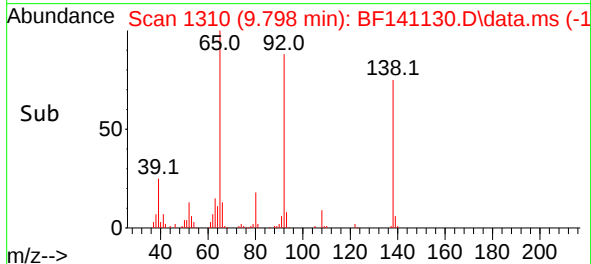
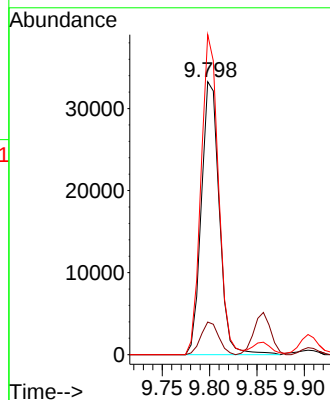
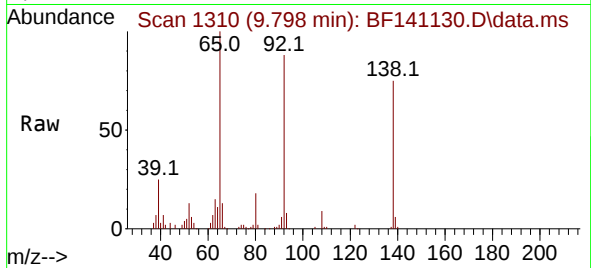




#53
3-Nitroaniline
Concen: 8.712 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

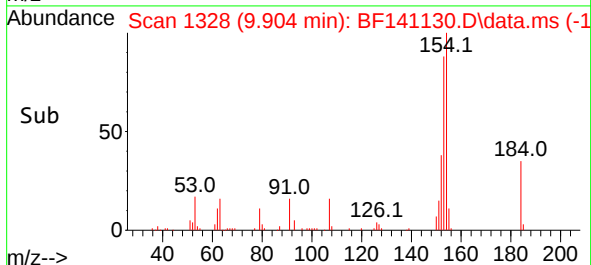
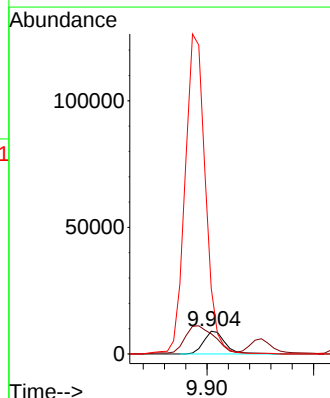
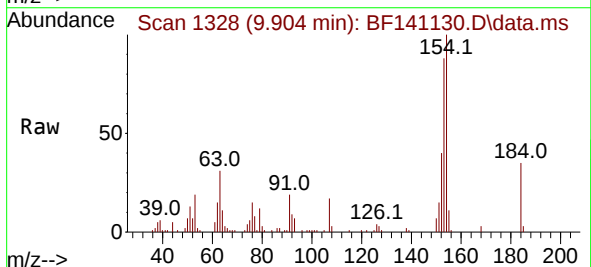
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

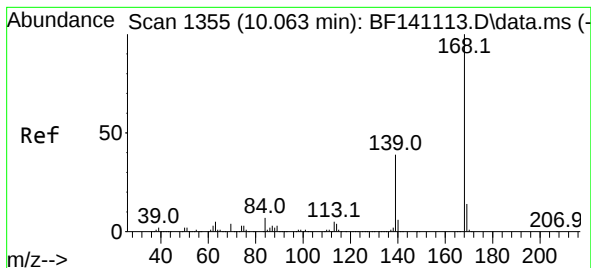
Tgt Ion:138 Resp: 43797
Ion Ratio Lower Upper
138 100
108 12.0 8.8 13.2
92 117.2 91.3 136.9



#54
2,4-Dinitrophenol
Concen: 5.322 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:184 Resp: 12514
Ion Ratio Lower Upper
184 100
63 88.4 48.7 73.1#
154 288.4 57.1 85.7#





#55

Dibenzenofuran

Concen: 9.234 ng

RT: 10.063 min Scan# 1355

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

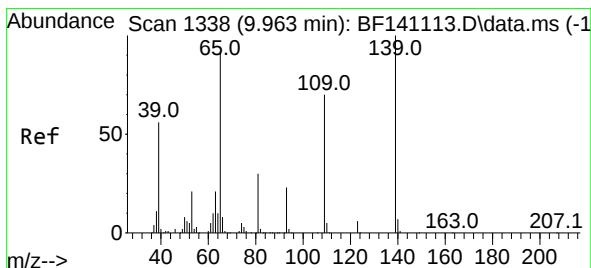
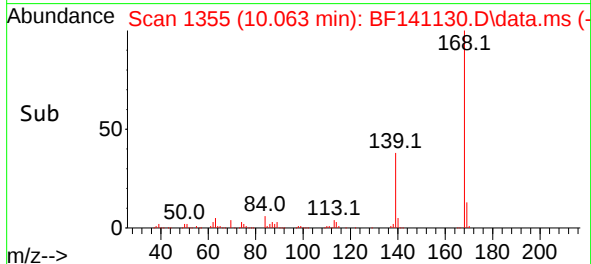
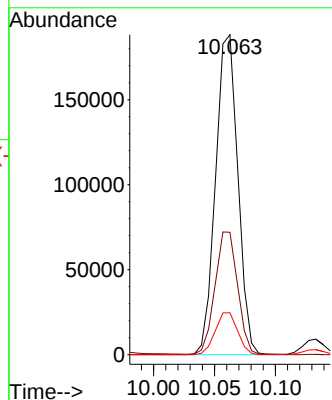
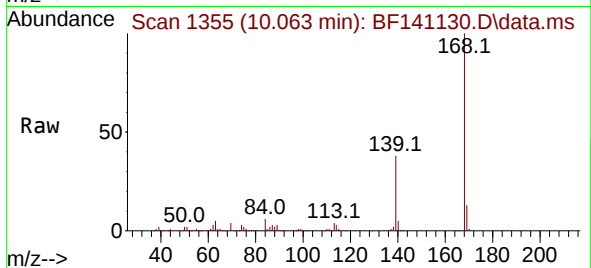
Tgt Ion:168 Resp: 240315

Ion Ratio Lower Upper

168 100

139 38.2 31.4 47.0

169 13.1 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: BF141130.D

Acq: 13 Jan 2025 17:03

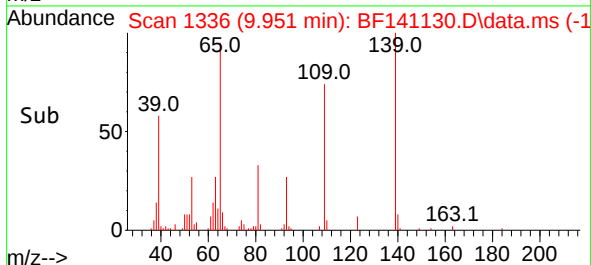
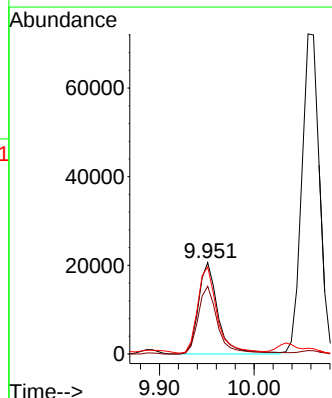
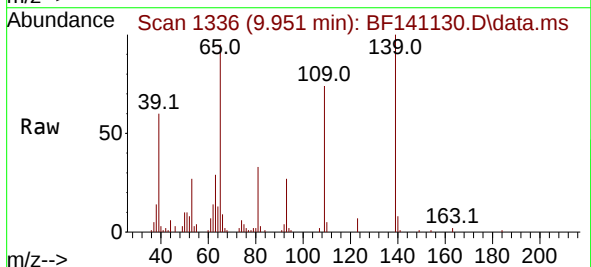
Tgt Ion:139 Resp: 29485

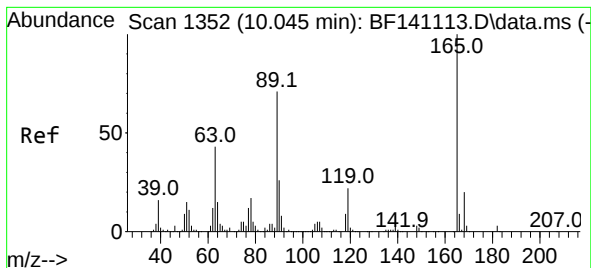
Ion Ratio Lower Upper

139 100

109 74.1 50.2 90.2

65 95.3 72.1 112.1

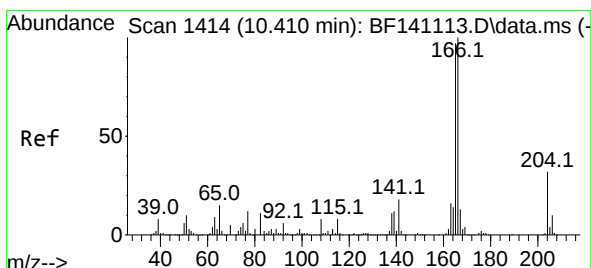
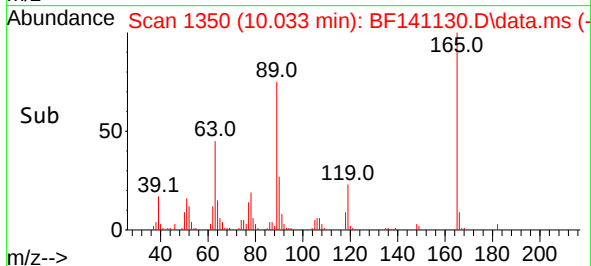
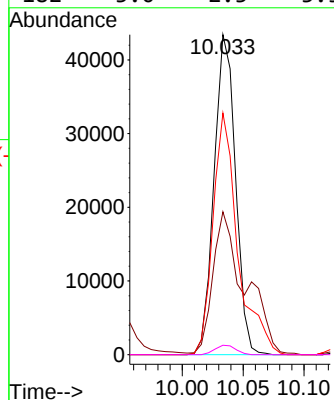
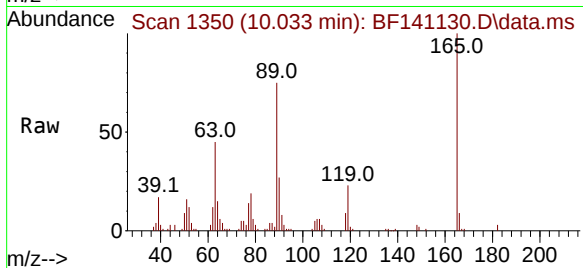




#57
2,4-Dinitrotoluene
Concen: 8.343 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

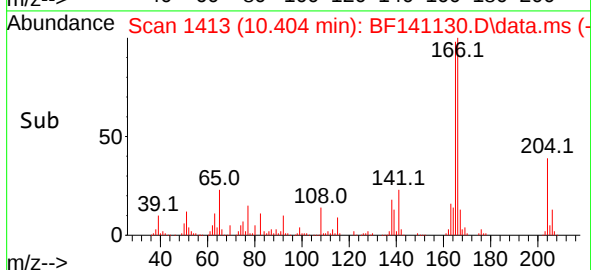
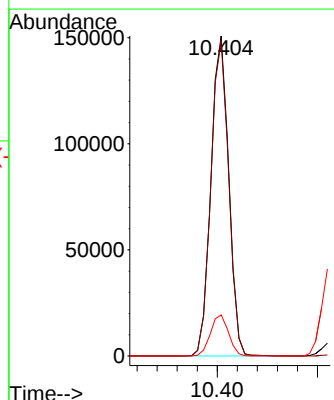
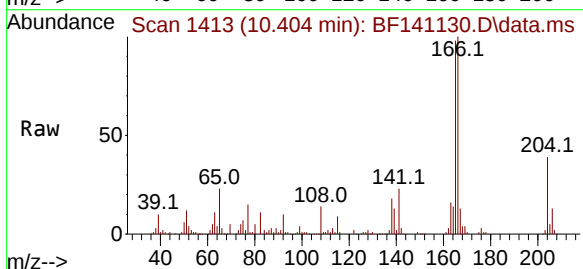
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

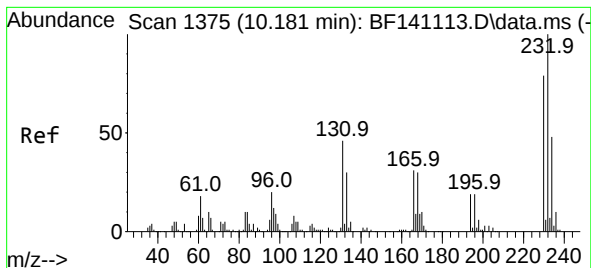
Tgt Ion:	165	Resp:	53194
Ion Ratio	Lower	Upper	
165	100		
63	44.7	35.0	52.4
89	75.5	56.7	85.1
182	3.0	2.3	3.5



#58
Fluorene
Concen: 9.200 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:	166	Resp:	186000
Ion Ratio	Lower	Upper	
166	100		
165	98.3	77.8	116.8
167	12.9	10.8	16.2

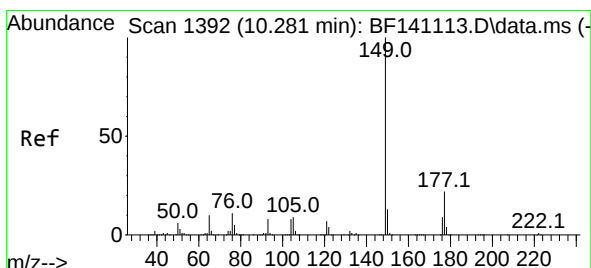
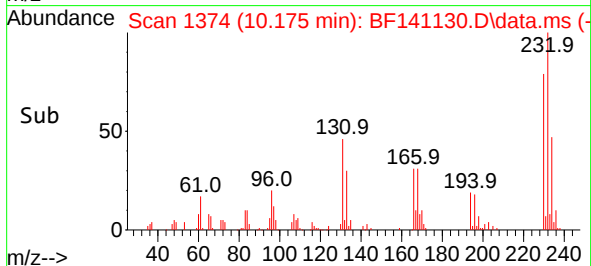
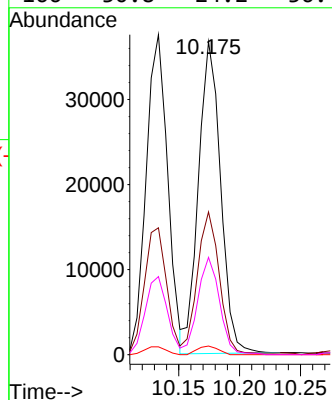
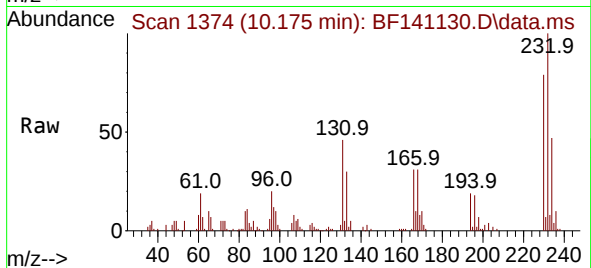




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.609 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

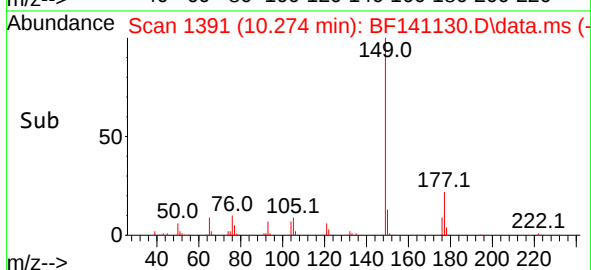
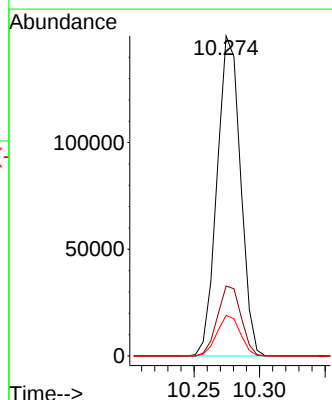
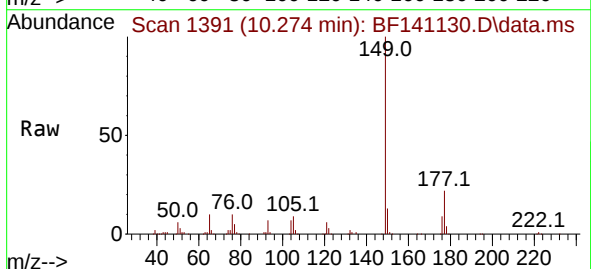
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

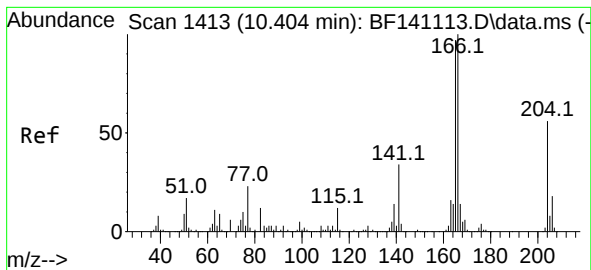
Tgt Ion:232 Resp: 46361
Ion Ratio Lower Upper
232 100
131 44.7 36.2 54.4
130 2.6 2.0 3.0
166 30.8 24.2 36.4



#60
Diethylphthalate
Concen: 8.965 ng
RT: 10.274 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:149 Resp: 186180
Ion Ratio Lower Upper
149 100
177 21.9 17.9 26.9
150 12.7 10.2 15.2

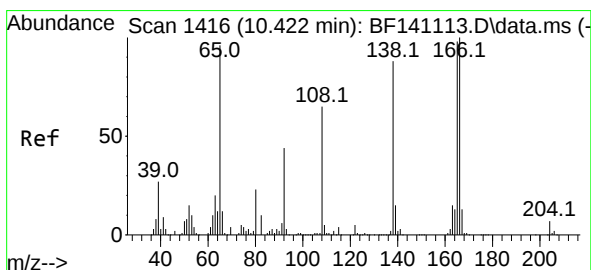
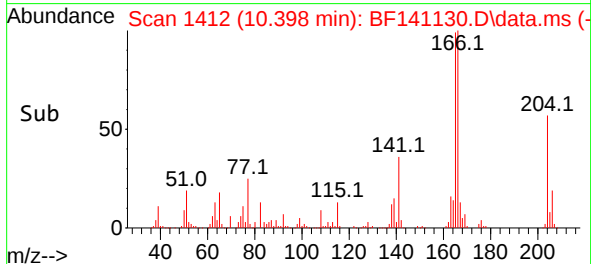
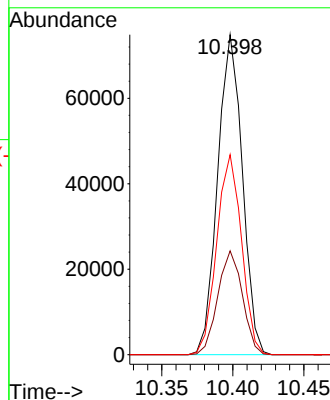
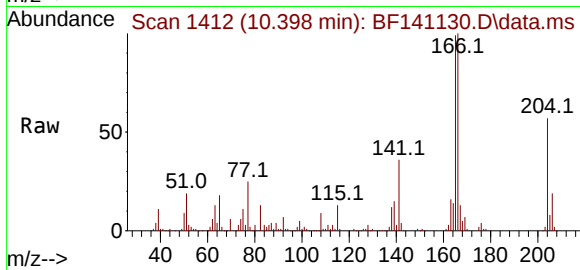




#61
4-Chlorophenyl-phenylether
Concen: 9.193 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

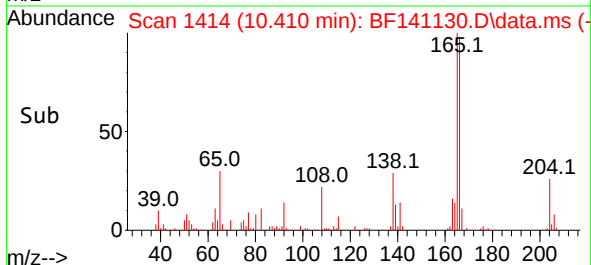
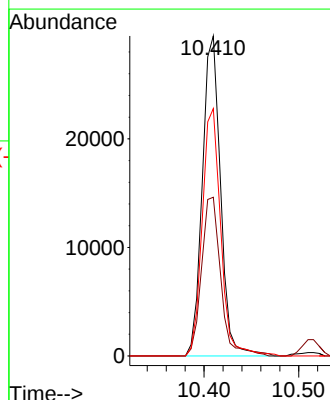
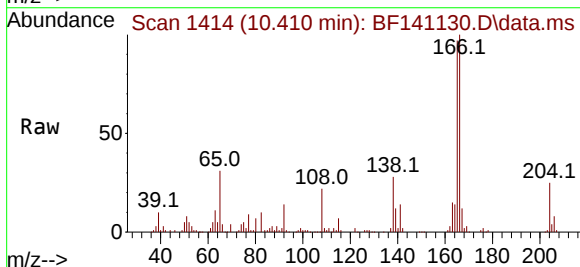
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

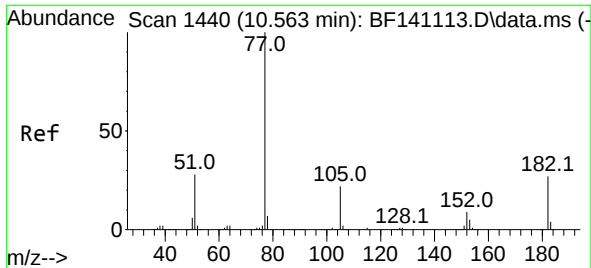
Tgt Ion:204 Resp: 90583
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 62.5 49.1 73.7



#62
4-Nitroaniline
Concen: 8.000 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:138 Resp: 39365
Ion Ratio Lower Upper
138 100
92 49.6 29.4 69.4
108 77.3 53.7 93.7

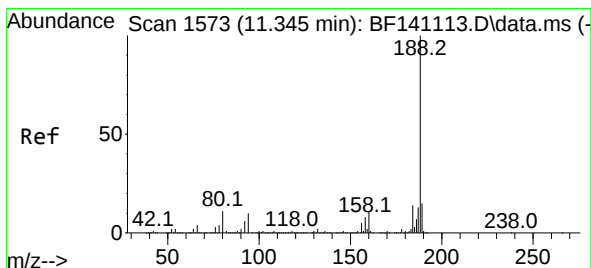
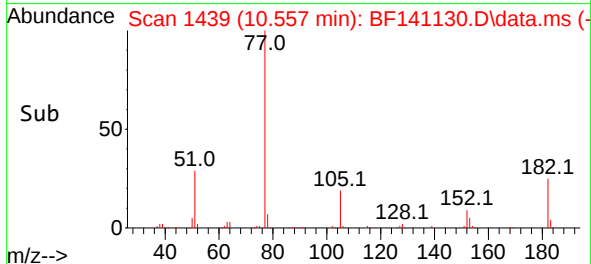
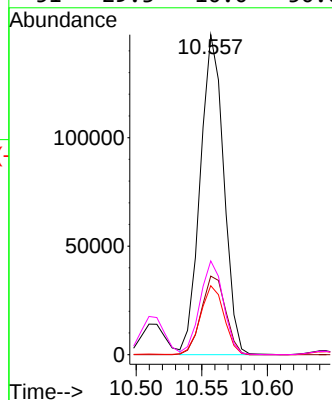
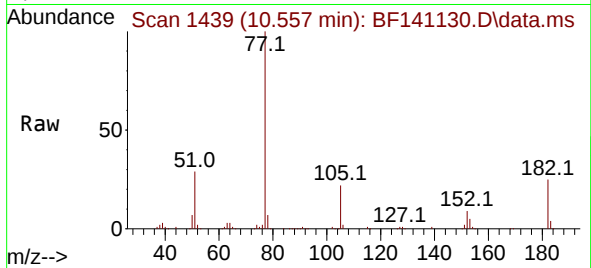




#63
Azobenzene
Concen: 8.989 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

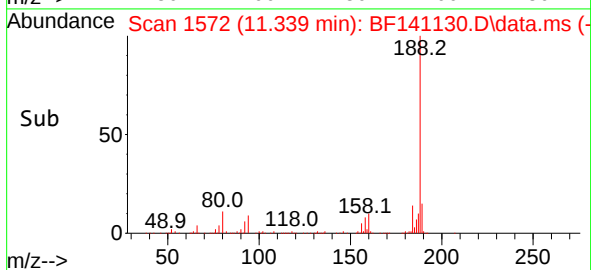
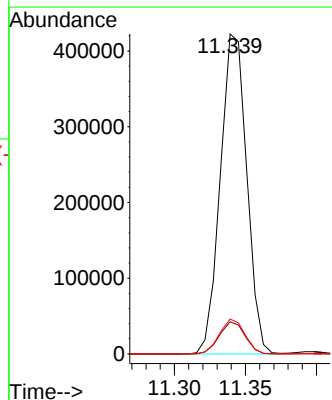
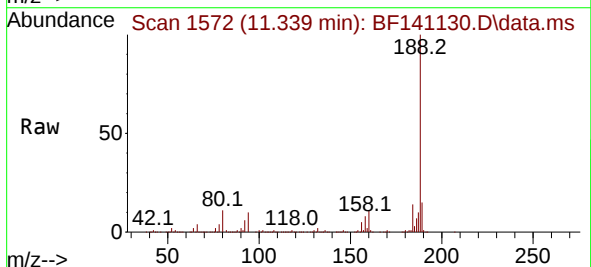
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

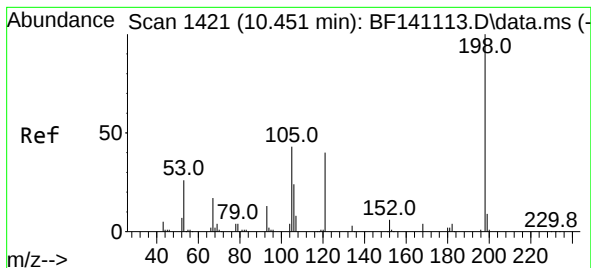
Tgt Ion: 77	Resp: 184206
Ion Ratio	Lower Upper
77 100	
182 24.6	6.1 46.1
105 21.6	2.1 42.1
51 29.3	10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:188	Resp: 546896		
Ion Ratio	Lower	Upper	
188 100			
94 10.1	8.3	12.5	
80 10.9	9.0	13.4	

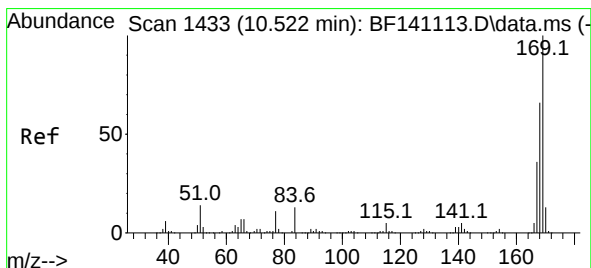
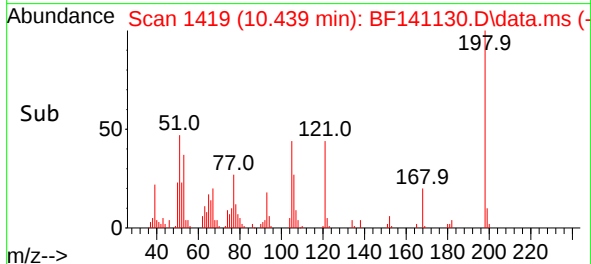
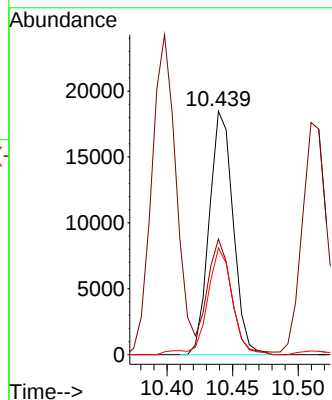
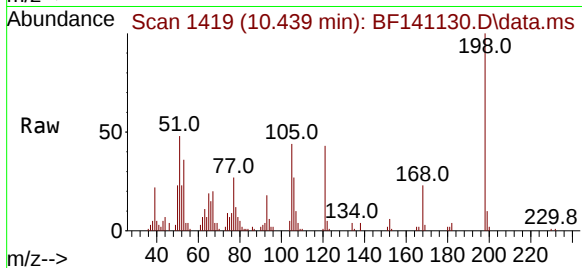




#65
4,6-Dinitro-2-methylphenol
Concen: 7.382 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

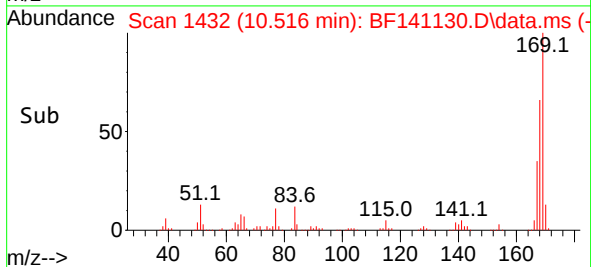
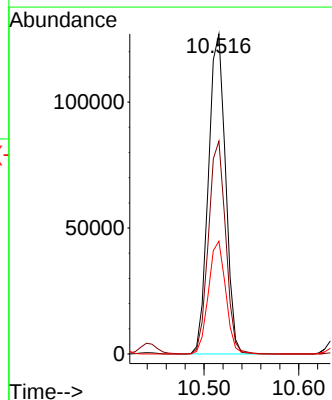
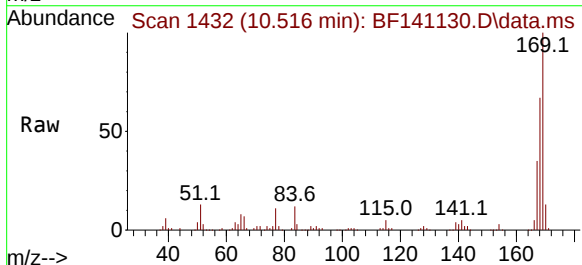
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

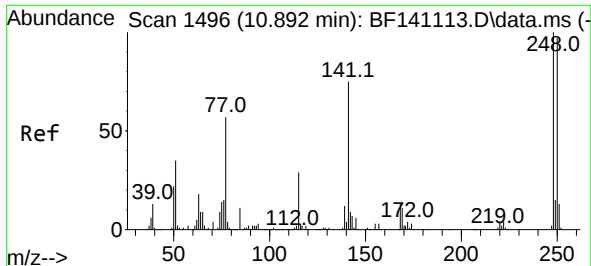
Tgt Ion:198 Resp: 23394
Ion Ratio Lower Upper
198 100
51 47.5 27.1 67.1
105 43.9 24.2 64.2



#66
n-Nitrosodiphenylamine
Concen: 9.026 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:169 Resp: 159214
Ion Ratio Lower Upper
169 100
168 66.5 52.5 78.7
167 35.3 28.9 43.3

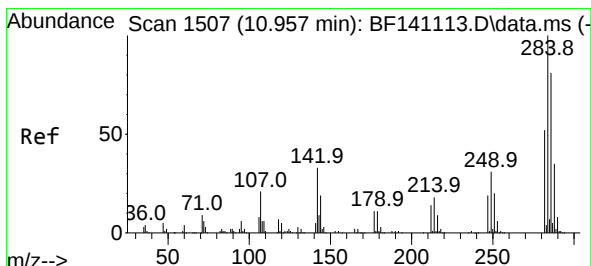
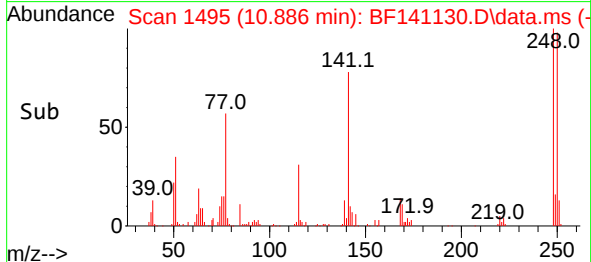
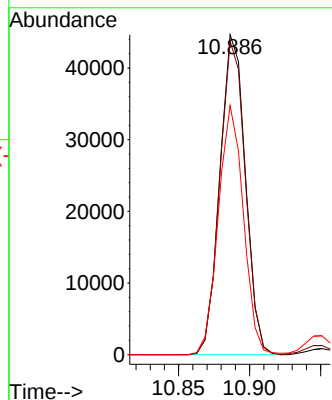
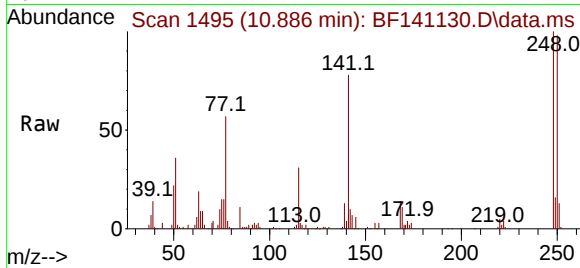




#67
4-Bromophenyl-phenylether
Concen: 8.868 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

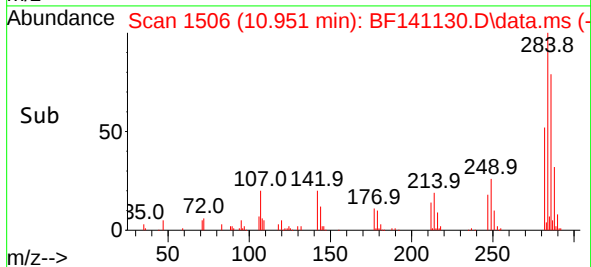
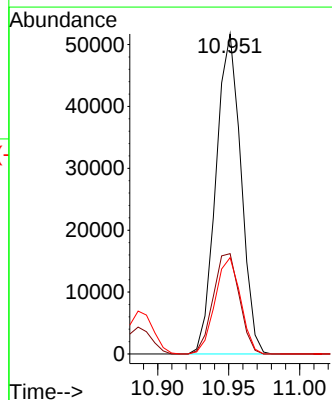
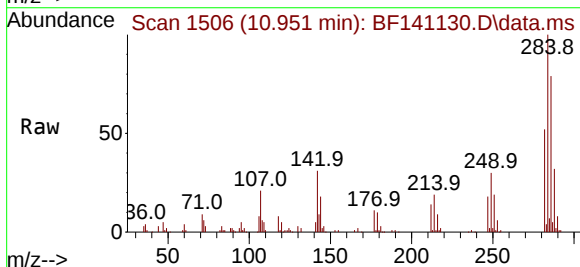
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

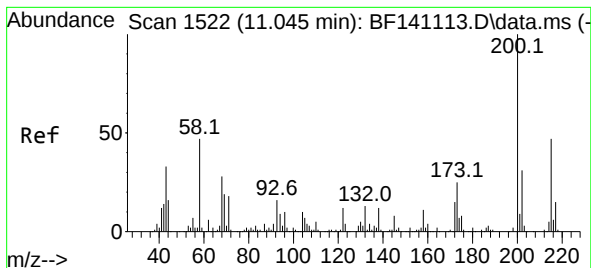
Tgt Ion:248 Resp: 55835
Ion Ratio Lower Upper
248 100
250 98.0 77.9 116.9
141 77.9 59.9 89.9



#68
Hexachlorobenzene
Concen: 9.034 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:284 Resp: 63322
Ion Ratio Lower Upper
284 100
142 31.4 26.3 39.5
249 30.1 24.9 37.3





#69

Atrazine

Concen: 10.947 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

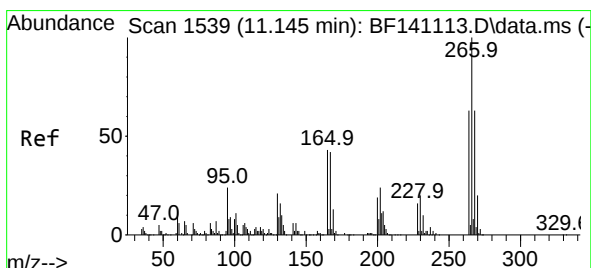
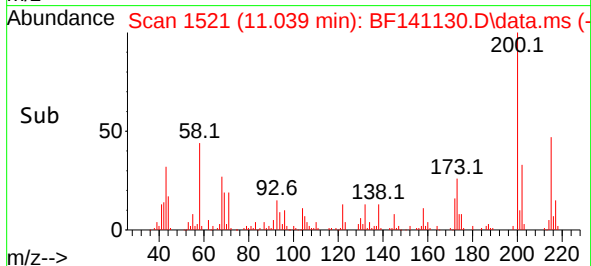
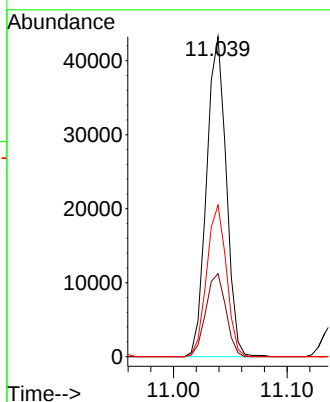
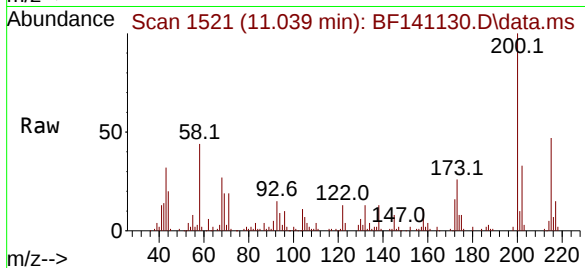
Tgt Ion:200 Resp: 51994

Ion Ratio Lower Upper

200 100

173 25.9 5.4 45.4

215 47.3 26.6 66.6



#70

Pentachlorophenol

Concen: 7.385 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

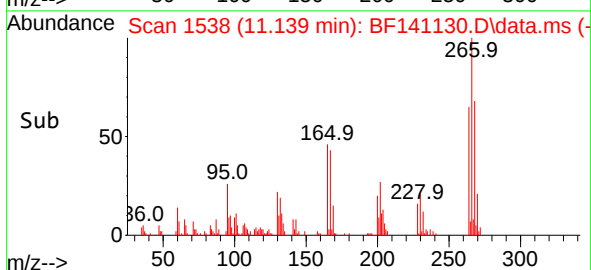
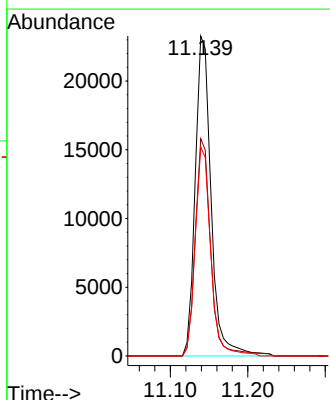
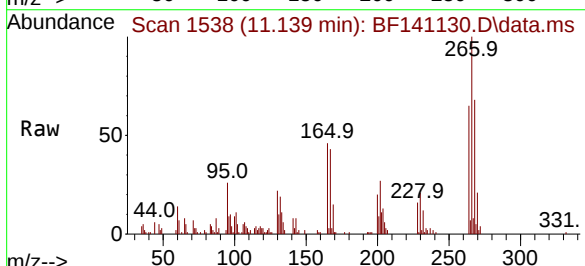
Tgt Ion:266 Resp: 33150

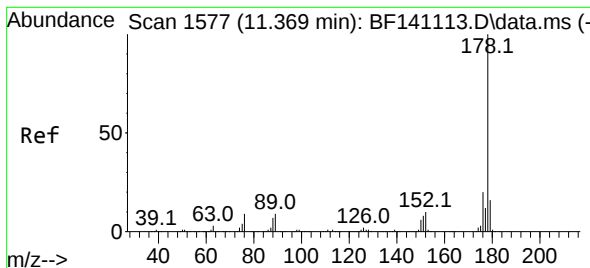
Ion Ratio Lower Upper

266 100

268 67.9 50.4 75.6

264 65.3 50.2 75.2





#71

Phenanthrene

Concen: 9.248 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

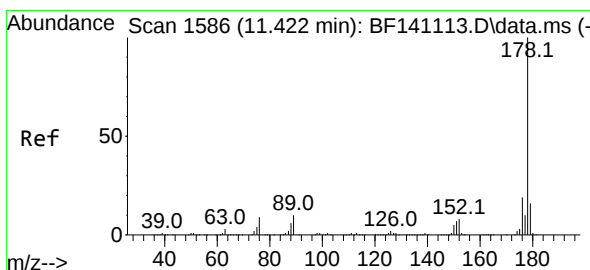
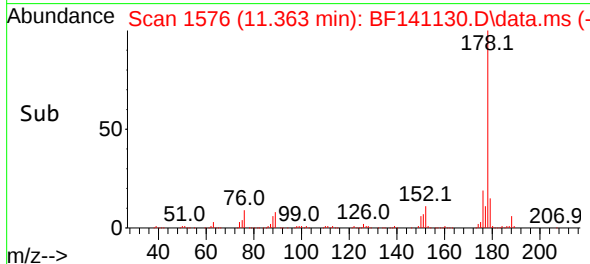
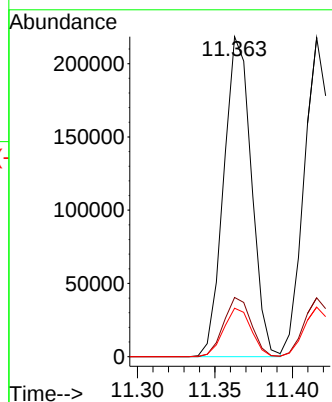
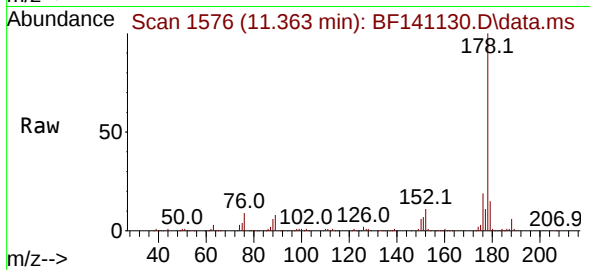
Tgt Ion:178 Resp: 271518

Ion Ratio Lower Upper

178 100

176 18.5 15.7 23.5

179 15.1 12.6 19.0



#72

Anthracene

Concen: 9.312 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

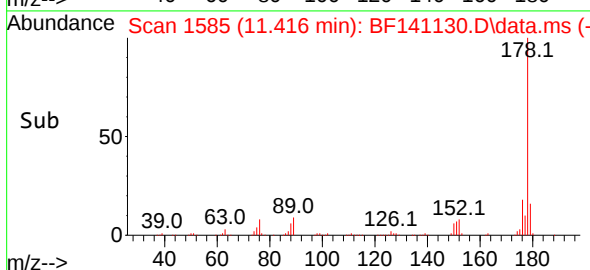
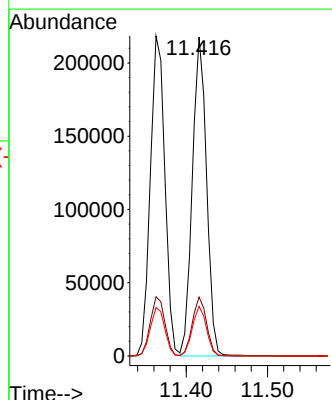
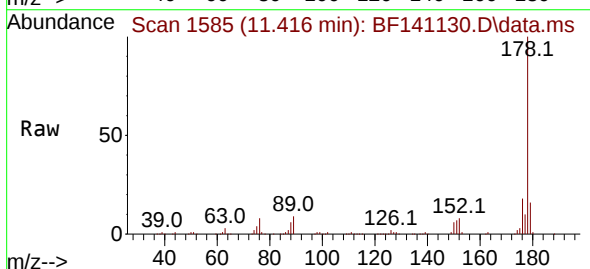
Tgt Ion:178 Resp: 265847

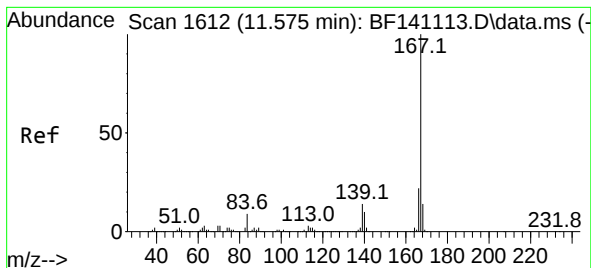
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.5 12.6 19.0





#73

Carbazole

Concen: 8.879 ng

RT: 11.569 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

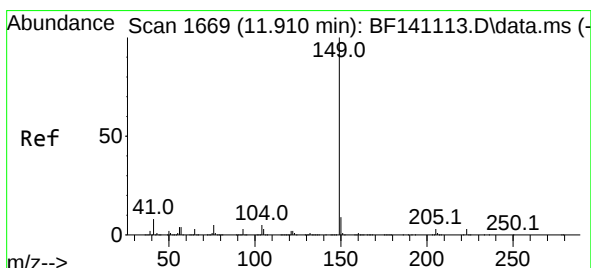
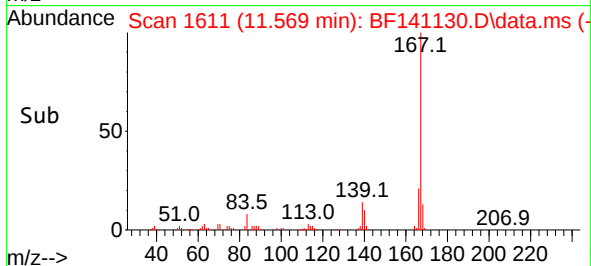
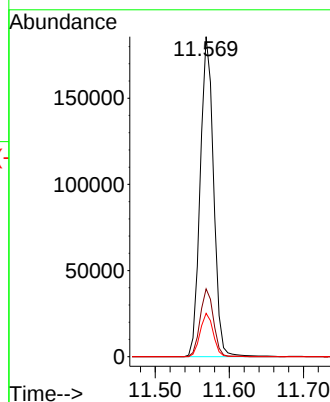
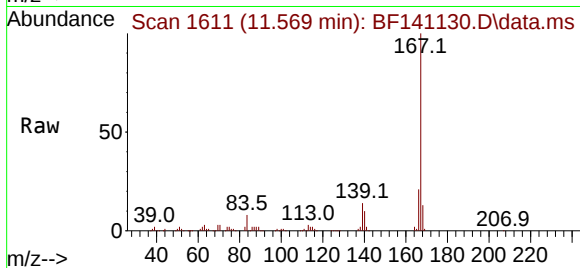
Tgt Ion:167 Resp: 232421

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.2

139 13.5 10.9 16.3



#74

Di-n-butylphthalate

Concen: 9.306 ng

RT: 11.910 min Scan# 1669

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

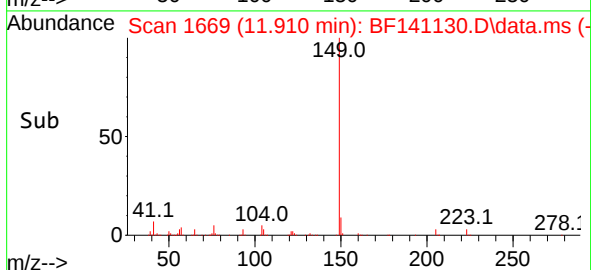
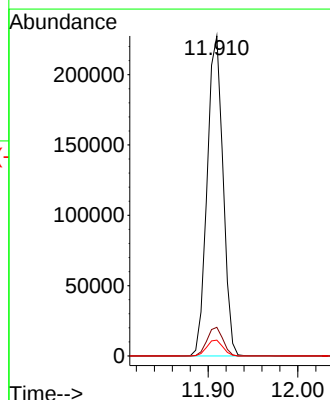
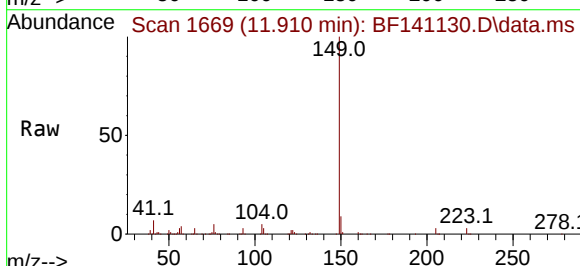
Tgt Ion:149 Resp: 278790

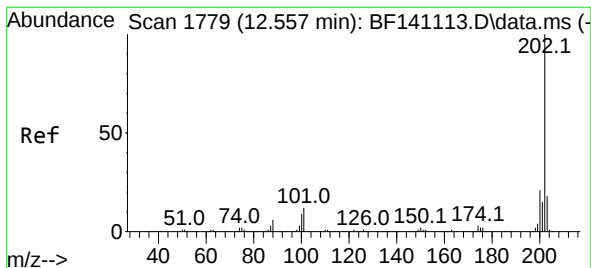
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.2

104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 9.290 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

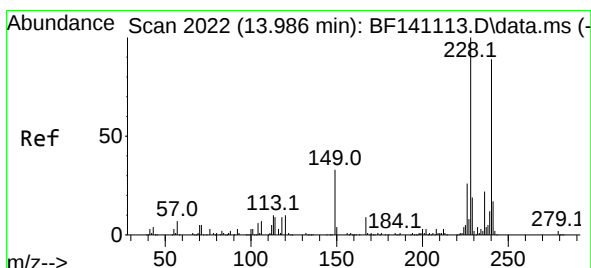
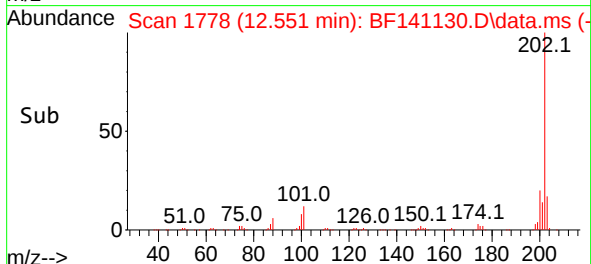
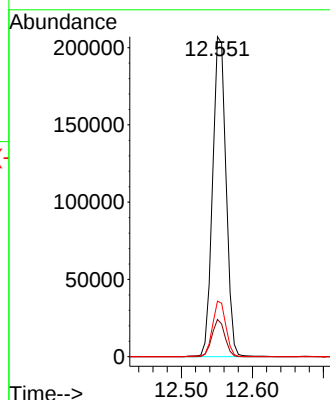
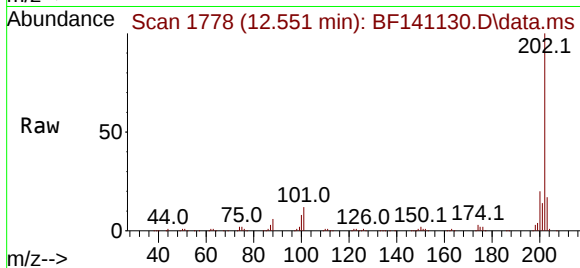
Tgt Ion:202 Resp: 272180

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.3

203 17.3 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

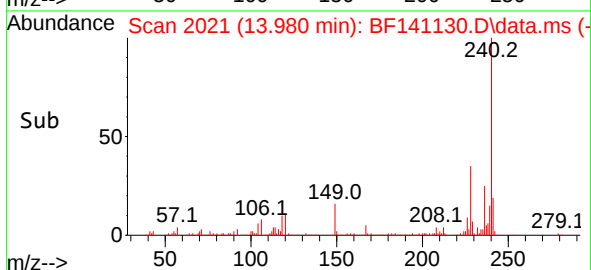
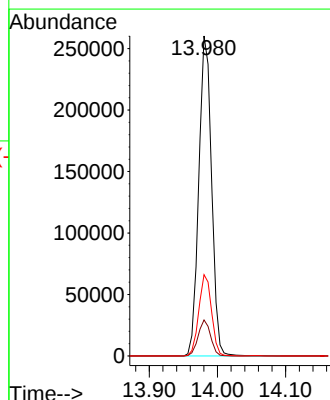
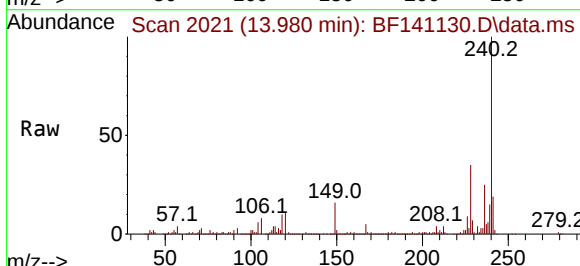
Tgt Ion:240 Resp: 338441

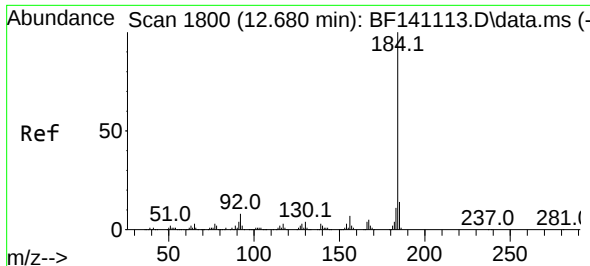
Ion Ratio Lower Upper

240 100

120 11.3 9.1 13.7

236 25.4 19.8 29.6

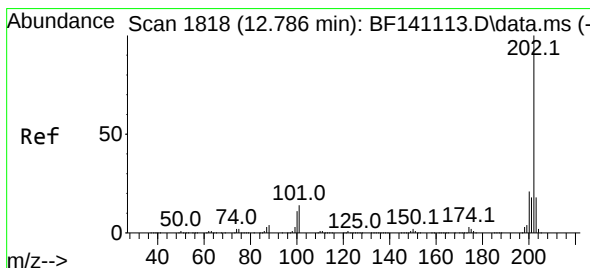
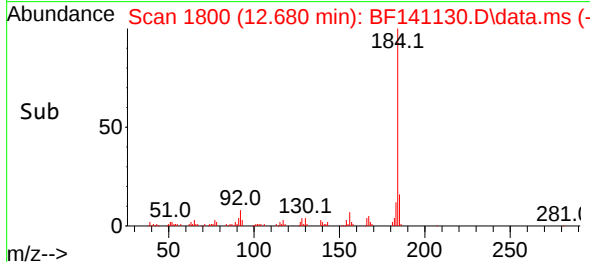
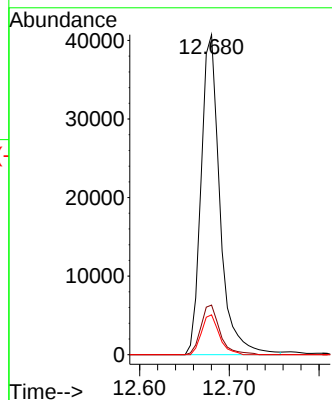
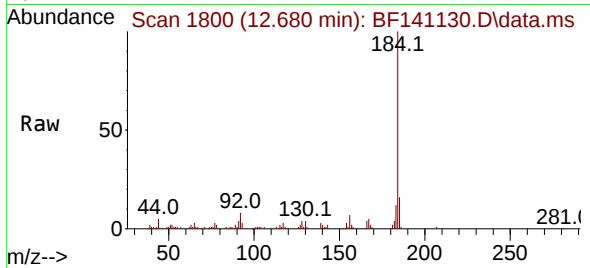




#77
Benzidine
Concen: 9.465 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

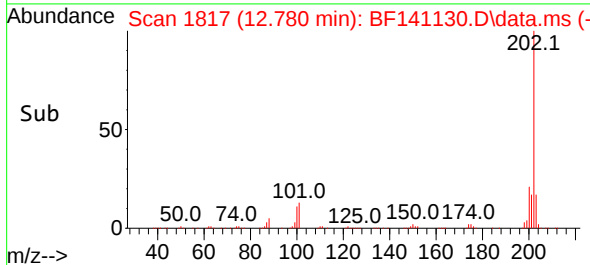
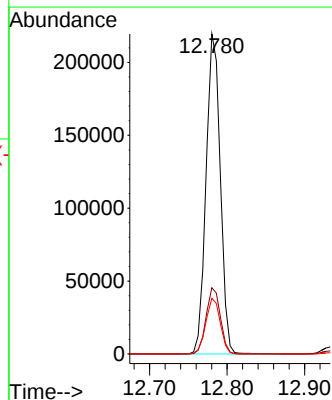
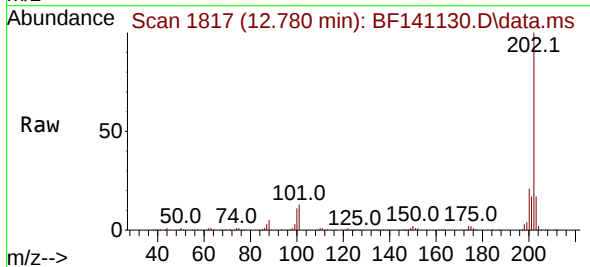
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

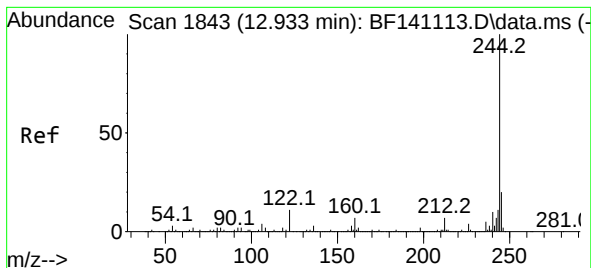
Tgt Ion:184 Resp: 59402
Ion Ratio Lower Upper
184 100
185 15.5 11.4 17.0
183 12.5 9.2 13.8



#78
Pyrene
Concen: 8.649 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:202 Resp: 279569
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 80.365 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141130.D

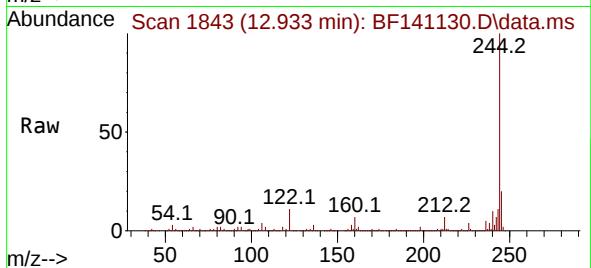
Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



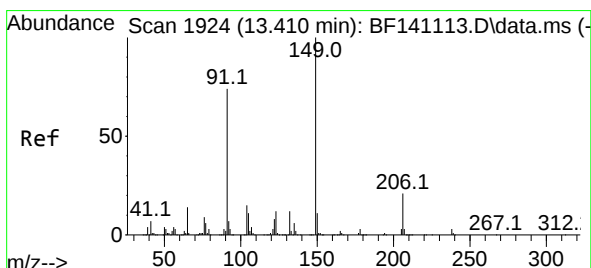
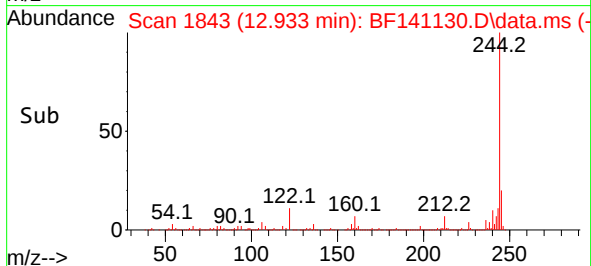
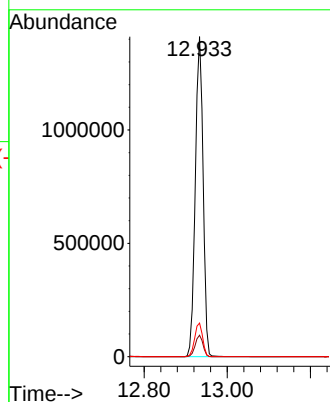
Tgt Ion:244 Resp: 1829964

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 8.470 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

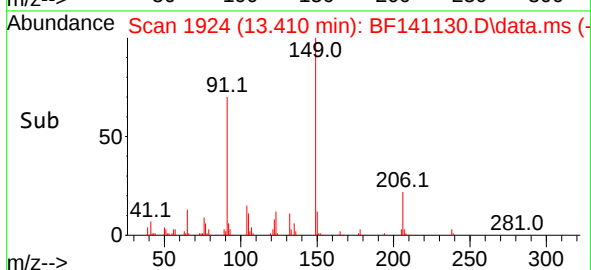
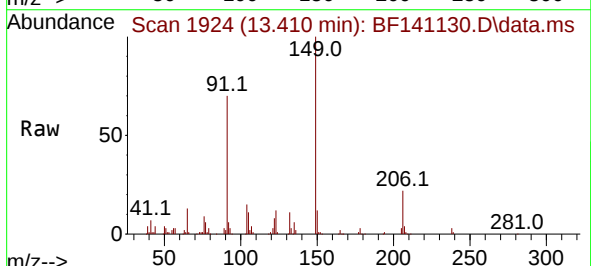
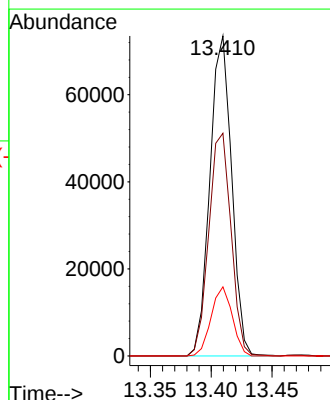
Tgt Ion:149 Resp: 91281

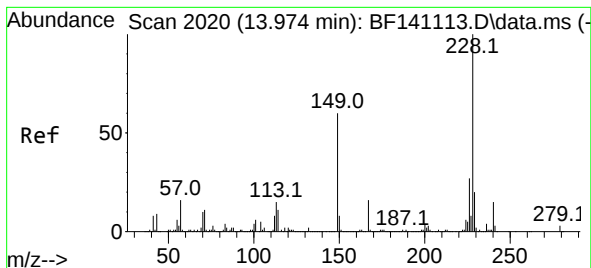
Ion Ratio Lower Upper

149 100

91 69.6 59.0 88.6

206 21.6 16.5 24.7





#81

Benzo(a)anthracene

Concen: 9.197 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

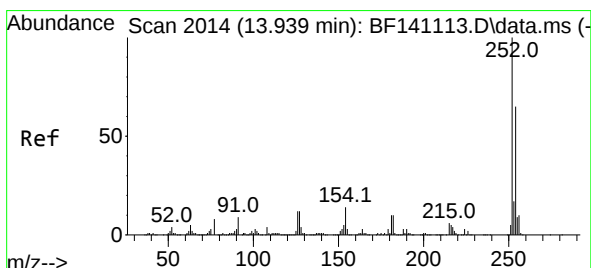
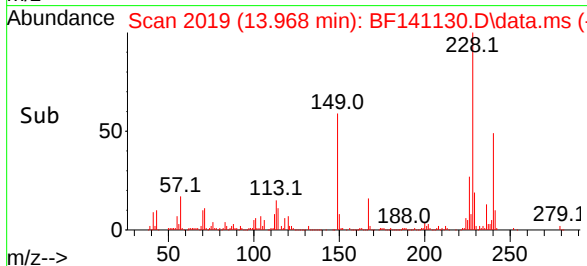
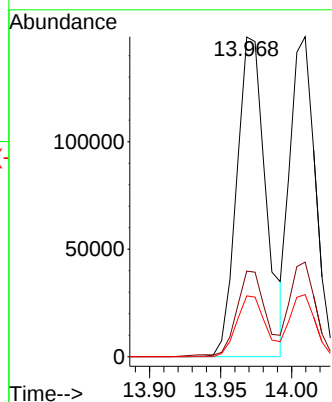
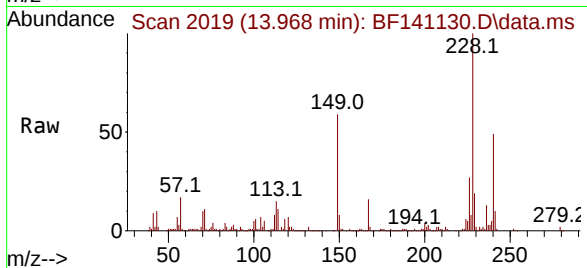
Tgt Ion:228 Resp: 211825

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.0 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 8.210 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.000 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

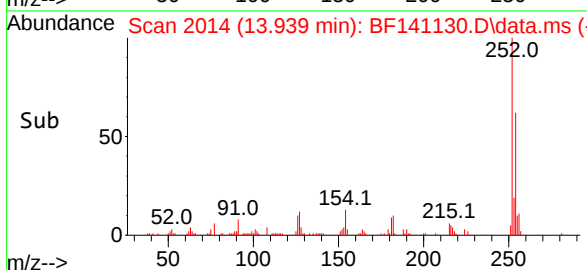
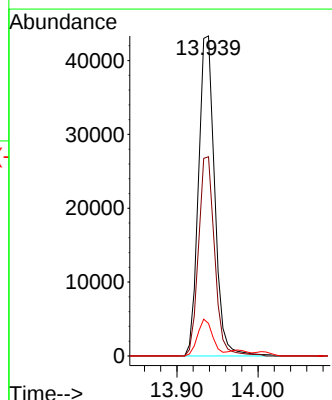
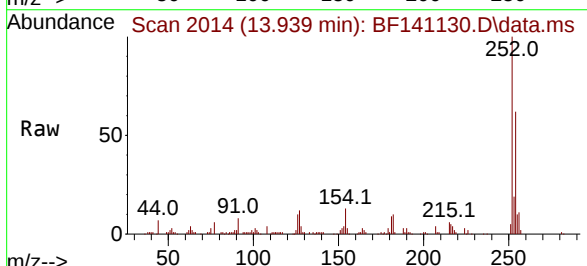
Tgt Ion:252 Resp: 60212

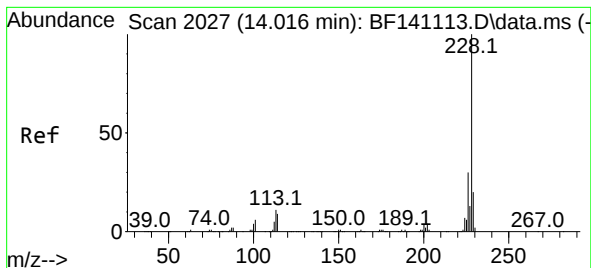
Ion Ratio Lower Upper

252 100

254 62.3 52.0 78.0

126 10.1 9.4 14.0





#83

Chrysene

Concen: 8.556 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

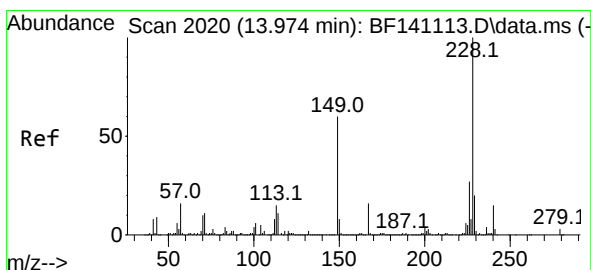
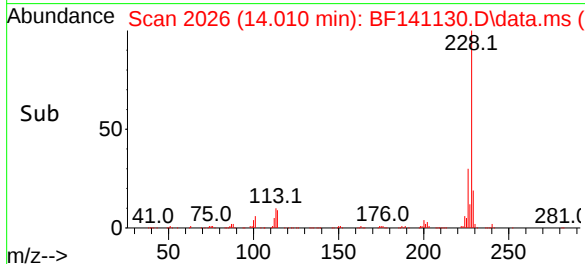
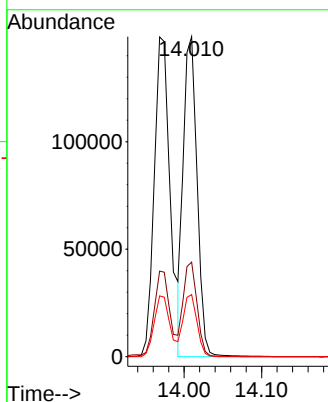
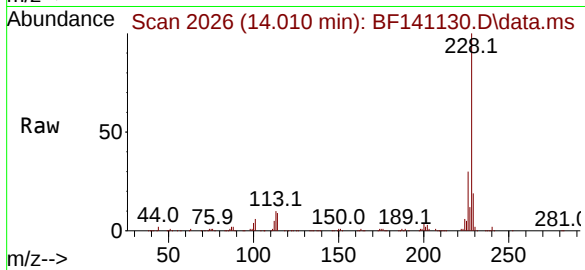
Tgt Ion:228 Resp: 184393

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.674 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

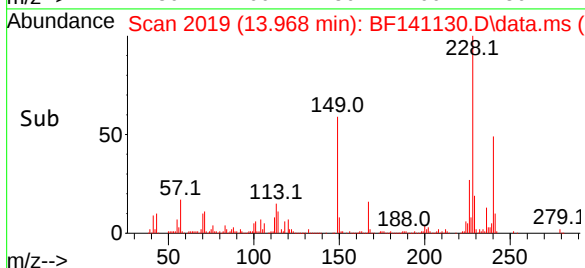
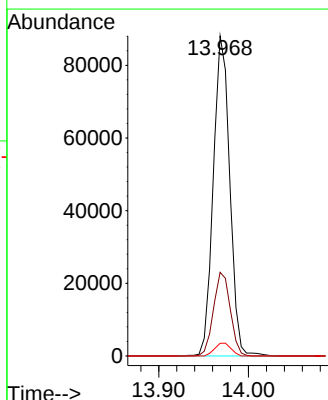
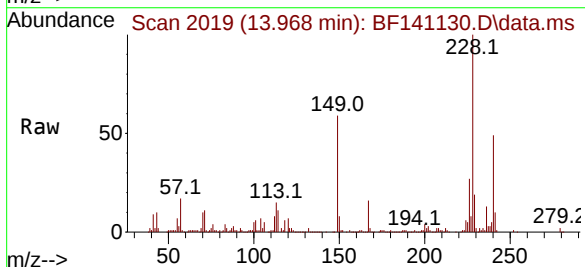
Tgt Ion:149 Resp: 112169

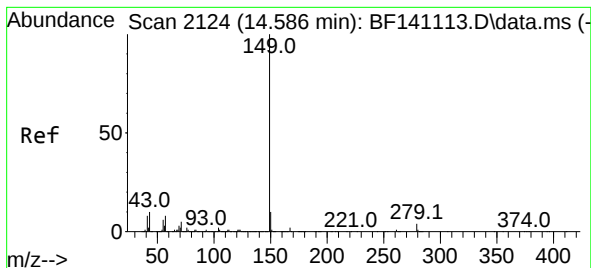
Ion Ratio Lower Upper

149 100

167 26.2 21.4 32.2

279 4.0 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 7.802 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

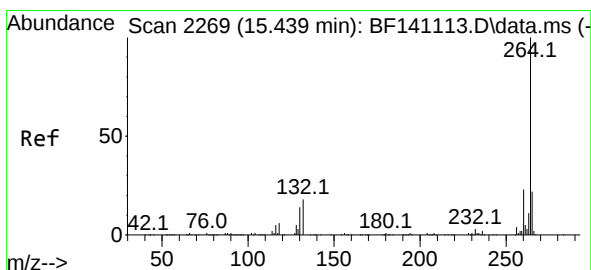
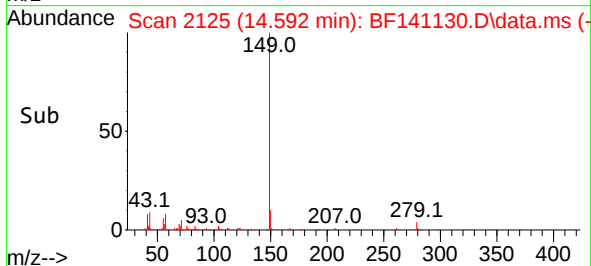
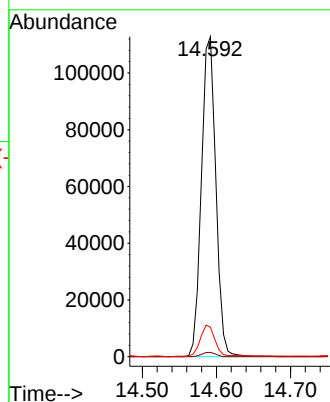
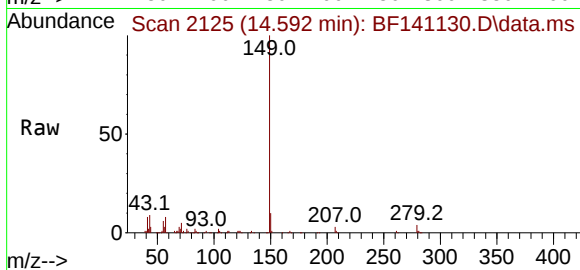
Tgt Ion:149 Resp: 152349

Ion Ratio Lower Upper

149 100

167 1.3 1.3 1.9

43 11.0 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: BF141130.D

Acq: 13 Jan 2025 17:03

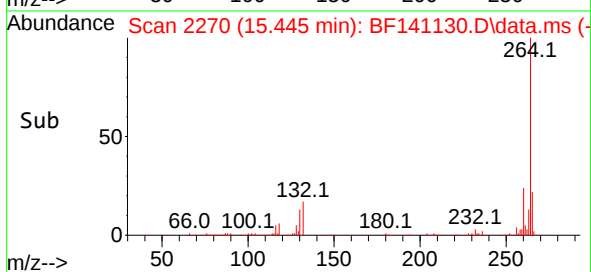
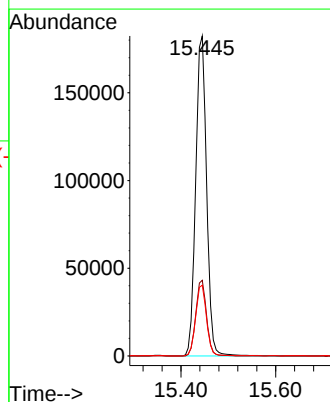
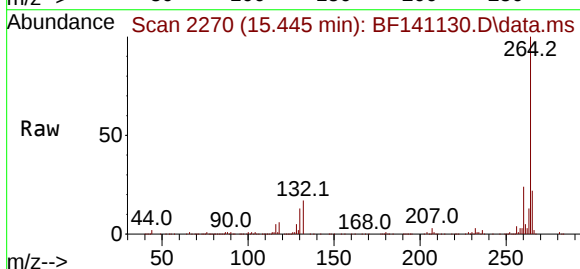
Tgt Ion:264 Resp: 291493

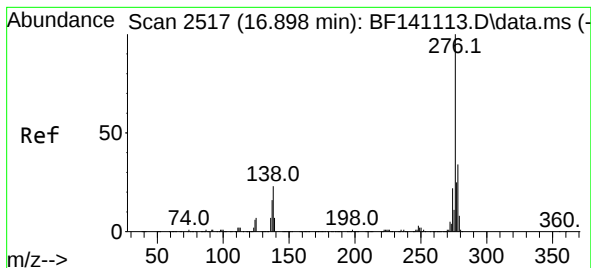
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.621 ng

RT: 16.892 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

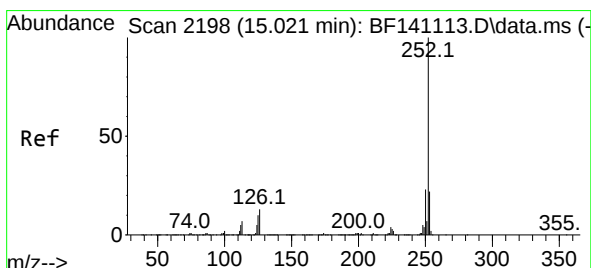
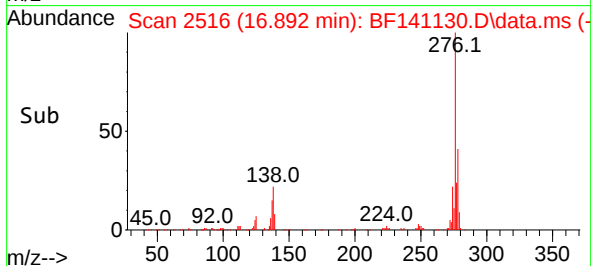
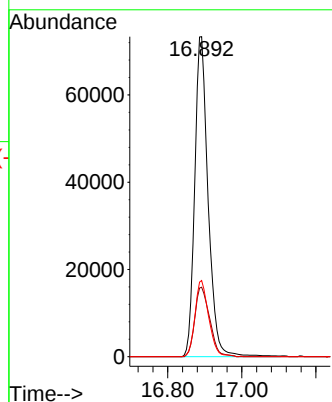
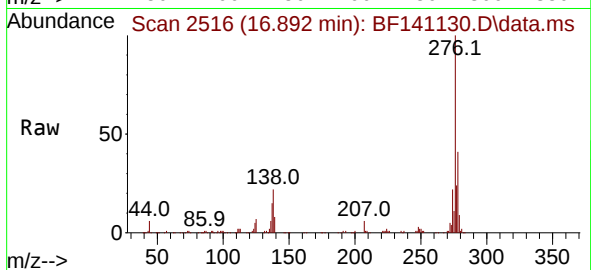
Tgt Ion:276 Resp: 184112

Ion Ratio Lower Upper

276 100

138 24.1 20.7 31.1

277 24.3 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 8.931 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141130.D

Acq: 13 Jan 2025 17:03

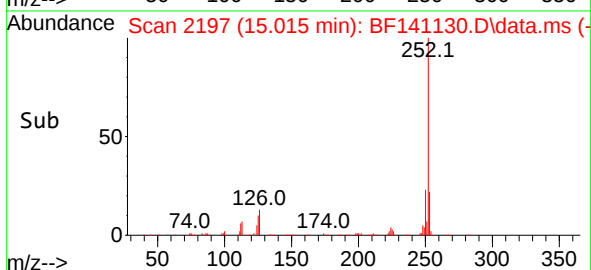
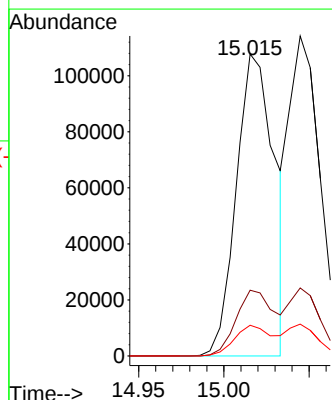
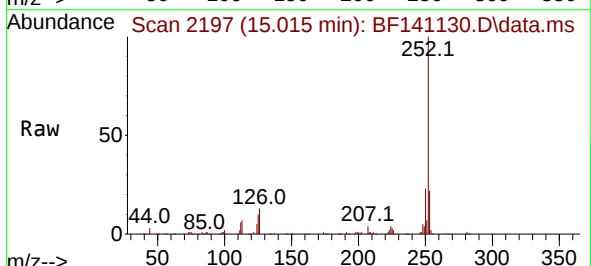
Tgt Ion:252 Resp: 167871

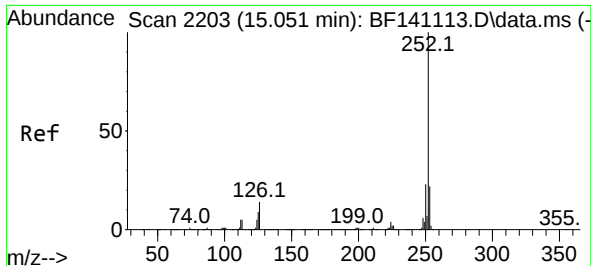
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.2 8.1 12.1

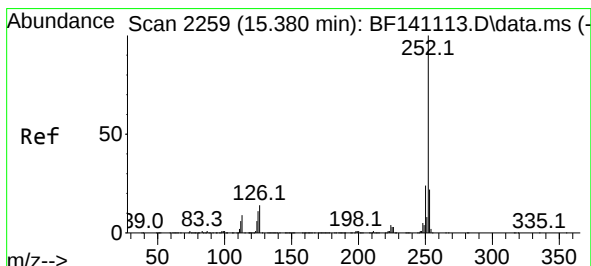
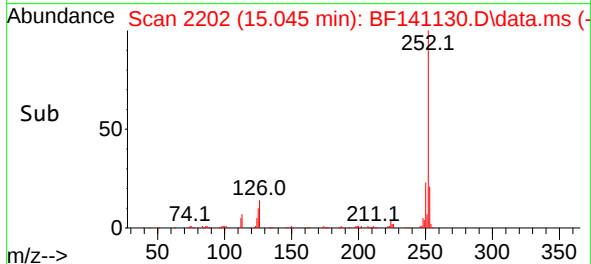
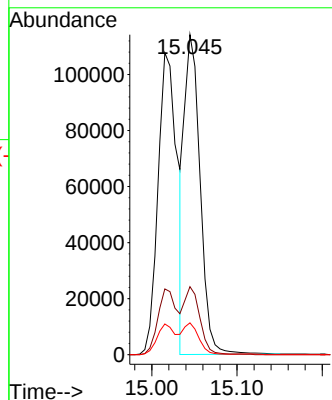
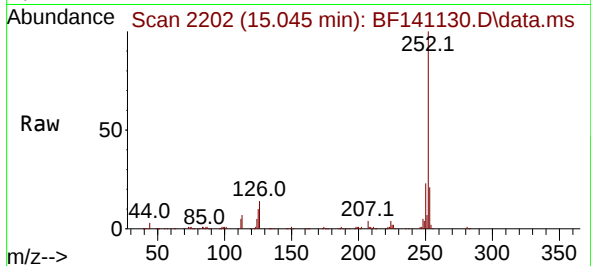




#89
Benzo(k)fluoranthene
Concen: 9.270 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

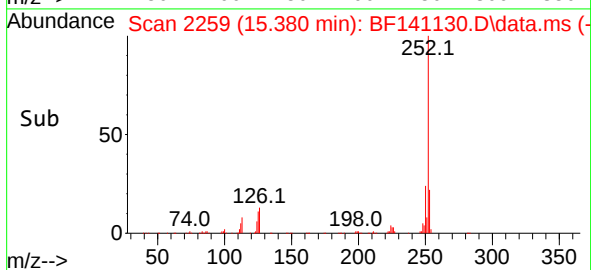
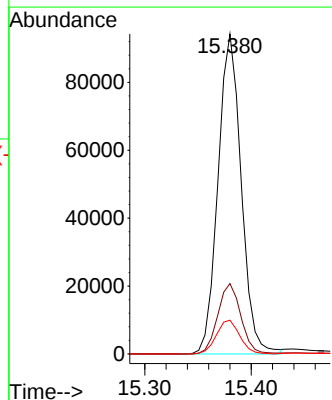
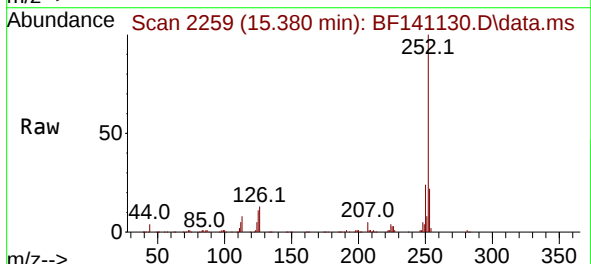
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

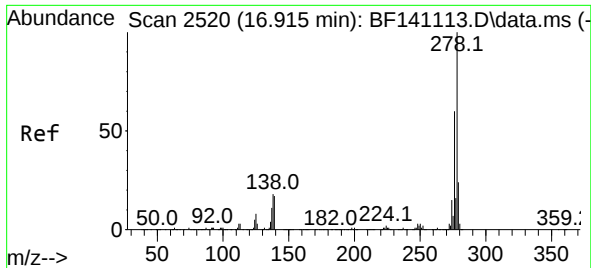
Tgt Ion:252 Resp: 147258
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 10.0 7.9 11.9



#90
Benzo(a)pyrene
Concen: 9.184 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:252 Resp: 142427
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 10.5 9.1 13.7

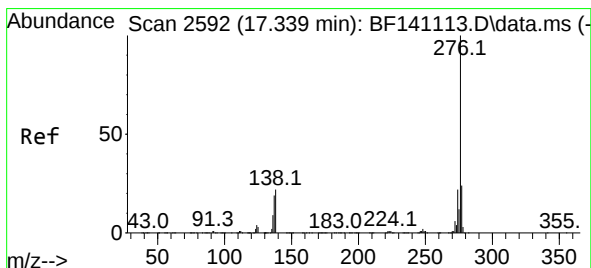
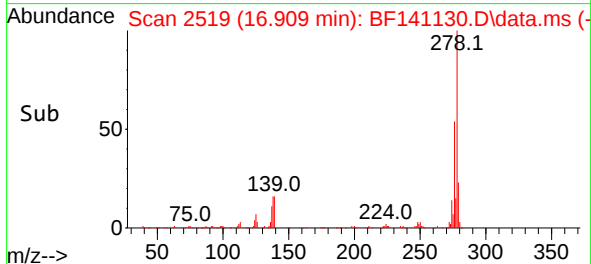
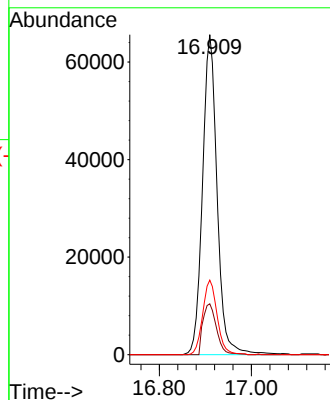
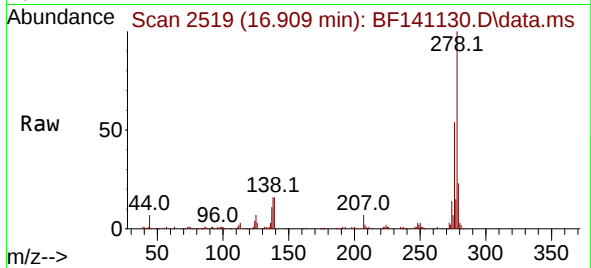




#91
Dibenzo(a,h)anthracene
Concen: 8.395 ng
RT: 16.909 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:278 Resp: 145009
Ion Ratio Lower Upper
278 100
139 15.9 13.8 20.6
279 23.3 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 8.084 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.018 min
Lab File: BF141130.D
Acq: 13 Jan 2025 17:03

Tgt Ion:276 Resp: 145242
Ion Ratio Lower Upper
276 100
277 23.5 19.0 28.4
138 21.4 17.4 26.2

