

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141321.D
 Acq On : 31 Jan 2025 10:15
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Jan 31 10:55:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	152903	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	616569	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	338750	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	577127	20.000	ng	0.00
76) Chrysene-d12	13.963	240	381814	20.000	ng	-0.01
86) Perylene-d12	15.427	264	325467	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1058763	106.304	ng	0.00
7) Phenol-d6	6.428	99	1395904	110.173	ng	-0.01
23) Nitrobenzene-d5	7.363	82	937967	80.196	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	342884	110.410	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1640475	74.539	ng	0.00
79) Terphenyl-d14	12.916	244	1794606	72.486	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.481	88	17636	4.026	ng	98
3) Pyridine	3.275	79	35034	3.320	ng	99
4) n-Nitrosodimethylamine	3.152	42	23434	3.887	ng	# 98
6) Aniline	6.463	93	56134	5.234	ng	99
8) 2-Chlorophenol	6.581	128	45996	4.309	ng	82
9) Benzaldehyde	6.346	77	38415	5.234	ng	100
10) Phenol	6.440	94	59019	4.394	ng	# 64
11) bis(2-Chloroethyl)ether	6.534	93	46478	4.513	ng	99
12) 1,3-Dichlorobenzene	6.740	146	49305	4.189	ng	97
13) 1,4-Dichlorobenzene	6.816	146	49439	4.181	ng	99
14) 1,2-Dichlorobenzene	6.969	146	47170	4.260	ng	98
15) Benzyl Alcohol	6.940	79	49295	5.693	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.069	45	81115	4.530	ng	99
17) 2-Methylphenol	7.045	107	33145	3.820	ng	97
18) Hexachloroethane	7.310	117	17712	4.060	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	33127	4.400	ng	98
20) 3+4-Methylphenols	7.198	107	45991	4.317	ng	# 81
22) Acetophenone	7.204	105	68731	4.690	ng	96
24) Nitrobenzene	7.381	77	51078	4.214	ng	96
25) Isophorone	7.610	82	86545	4.281	ng	96
26) 2-Nitrophenol	7.693	139	22049	3.857	ng	96
27) 2,4-Dimethylphenol	7.728	122	15275	2.099	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	55637	4.314	ng	97
29) 2,4-Dichlorophenol	7.934	162	35937	4.035	ng	98
30) 1,2,4-Trichlorobenzene	8.022	180	42481	4.176	ng	99
31) Naphthalene	8.098	128	141463	4.343	ng	99
33) 4-Chloroaniline	8.151	127	49956	4.523	ng	98
34) Hexachlorobutadiene	8.222	225	24276	4.069	ng	97
35) Caprolactam	8.475	113	10739	3.692	ng	95
36) 4-Chloro-3-methylphenol	8.622	107	44740	4.683	ng	96
37) 2-Methylnaphthalene	8.792	142	89914	4.343	ng	98
38) 1-Methylnaphthalene	8.887	142	83323	4.097	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	40903	4.244	ng	97
41) Hexachlorocyclopentadiene	8.945	237	6185	2.173	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	23757	3.766	ng	99
44) 2,4,5-Trichlorophenol	9.110	196	25400	3.700	ng	97

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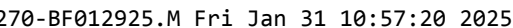
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

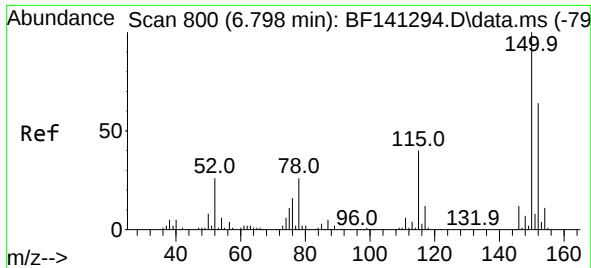
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.257	154	122118	4.622	ng	99
47) 2-Chloronaphthalene	9.281	162	85383	4.146	ng	96
48) 2-Nitroaniline	9.375	65	24308	3.753	ng	100
49) Acenaphthylene	9.692	152	131012	4.545	ng	100
50) Dimethylphthalate	9.551	163	97543	4.263	ng	99
51) 2,6-Dinitrotoluene	9.610	165	20737	3.904	ng	97
52) Acenaphthene	9.863	154	87796	4.264	ng	99
53) 3-Nitroaniline	9.781	138	19984	3.838	ng	# 96
55) Dibenzofuran	10.039	168	121778	4.418	ng	98
56) 4-Nitrophenol	9.945	139	13682	3.593	ng	98
57) 2,4-Dinitrotoluene	10.016	165	29150	4.238	ng	99
58) Fluorene	10.381	166	95003	4.443	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	21777	4.032	ng	99
60) Diethylphthalate	10.257	149	95984	4.327	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	46138	4.418	ng	99
62) 4-Nitroaniline	10.386	138	18395	3.594	ng	95
63) Azobenzene	10.534	77	94603	4.260	ng	99
65) 4,6-Dinitro-2-methylph...	10.428	198	9386	2.750	ng	97
66) n-Nitrosodiphenylamine	10.492	169	82224	4.405	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	27046	4.186	ng	96
68) Hexachlorobenzene	10.928	284	29800	4.348	ng	100
69) Atrazine	11.016	200	26572	4.258	ng	98
70) Pentachlorophenol	11.128	266	15504	3.863	ng	99
71) Phenanthrene	11.345	178	142991	4.609	ng	100
72) Anthracene	11.398	178	138056	4.542	ng	99
73) Carbazole	11.551	167	118264	4.388	ng	99
74) Di-n-butylphthalate	11.886	149	155655	4.765	ng	99
75) Fluoranthene	12.533	202	143458	4.683	ng	99
78) Pyrene	12.763	202	168272	4.591	ng	97
80) Butylbenzylphthalate	13.386	149	53902	4.210	ng	98
81) Benzo(a)anthracene	13.951	228	115289	4.376	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	27287	3.256	ng	99
83) Chrysene	13.992	228	100641	4.168	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	74924	4.613	ng	99
85) Di-n-octyl phthalate	14.574	149	102575	4.066	ng	100
87) Indeno(1,2,3-cd)pyrene	16.868	276	76731	3.653	ng	98
88) Benzo(b)fluoranthene	15.004	252	81244	3.968	ng	99
89) Benzo(k)fluoranthene	15.033	252	88845	4.899	ng	97
90) Benzo(a)pyrene	15.363	252	74178	4.288	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	58559	3.465	ng	98
92) Benzo(g,h,i)perylene	17.304	276	61611	3.506	ng	99

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

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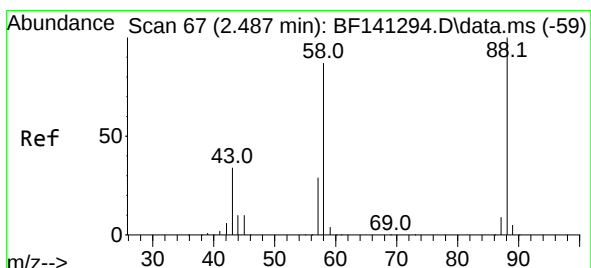
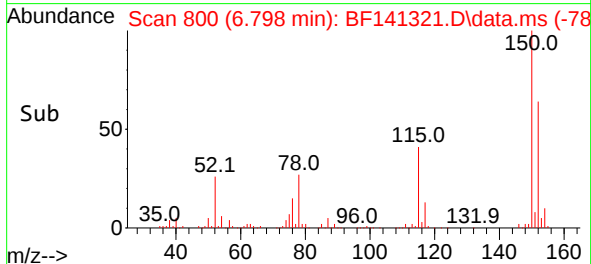
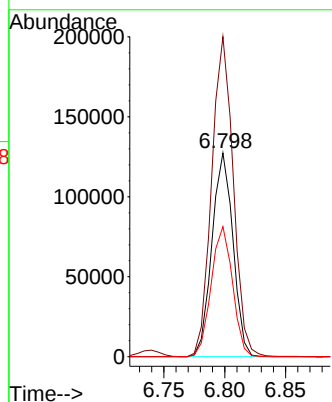
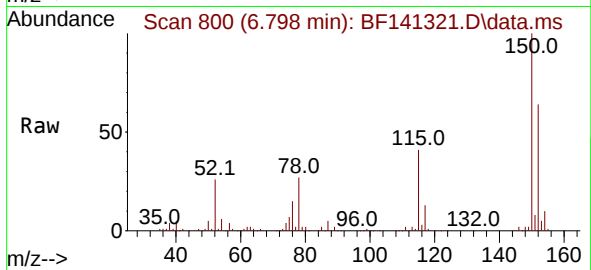




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

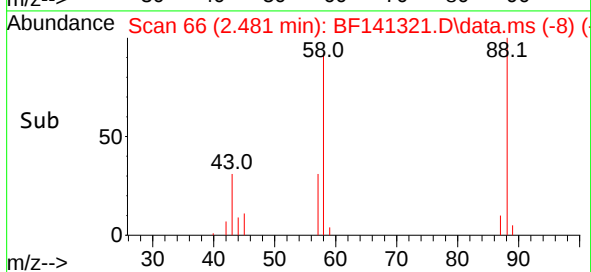
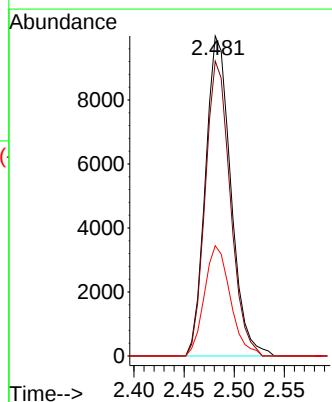
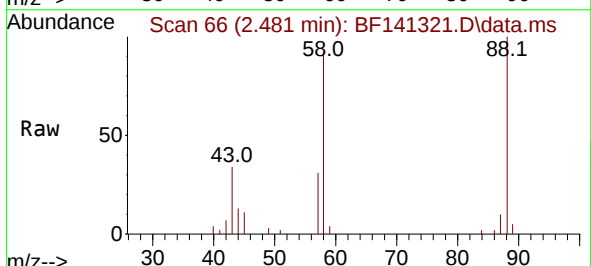
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

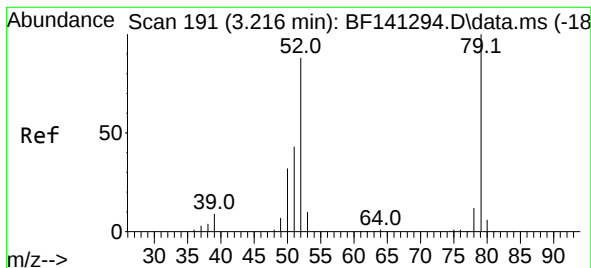
Tgt Ion:152 Resp: 152903
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.9 188.9
 115 63.8 49.7 74.5



#2
 1,4-Dioxane
 Concen: 4.026 ng
 RT: 2.481 min Scan# 66
 Delta R.T. -0.012 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

Tgt Ion: 88 Resp: 17636
 Ion Ratio Lower Upper
 88 100
 58 90.4 70.2 105.4
 43 35.0 27.6 41.4





#3

Pyridine

Concen: 3.320 ng

RT: 3.275 min Scan# 201

Delta R.T. 0.047 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

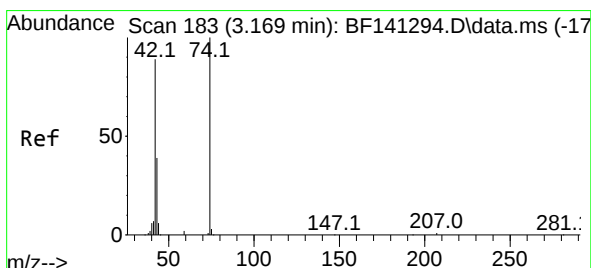
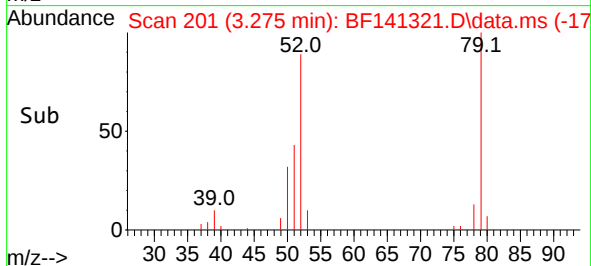
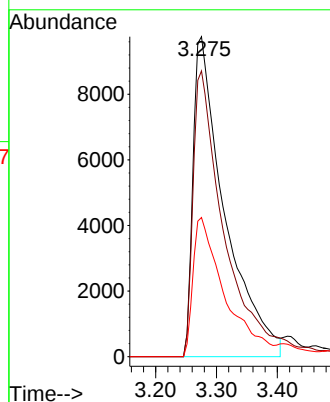
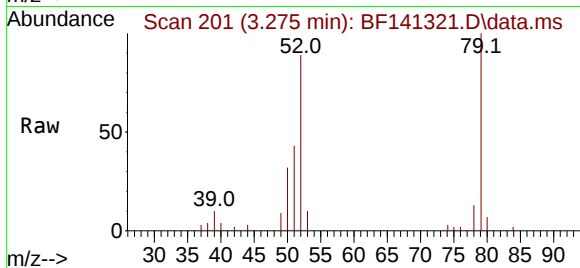
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:	79	Resp:	35034
Ion	Ratio	Lower	Upper
79	100		
52	89.3	70.3	105.5
51	43.5	34.3	51.5



#4

n-Nitrosodimethylamine

Concen: 3.887 ng

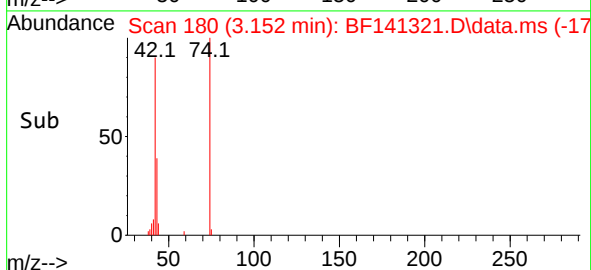
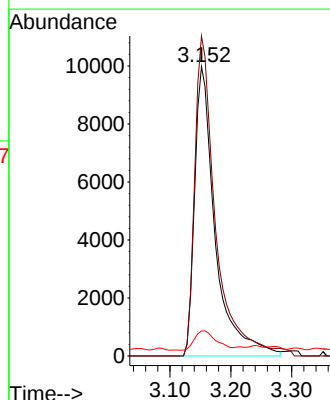
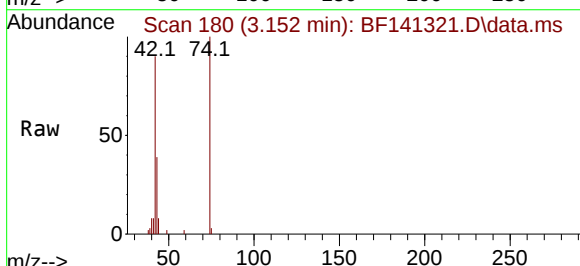
RT: 3.152 min Scan# 180

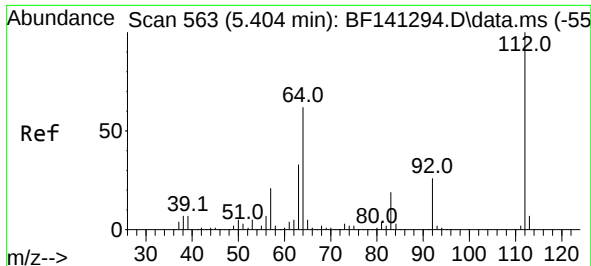
Delta R.T. -0.047 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	42	Resp:	23434
Ion	Ratio	Lower	Upper
42	100		
74	110.6	90.3	135.5
44	8.6	5.7	8.5

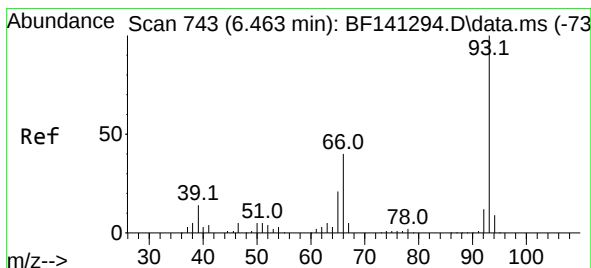
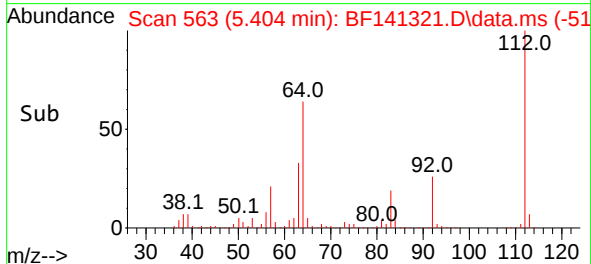
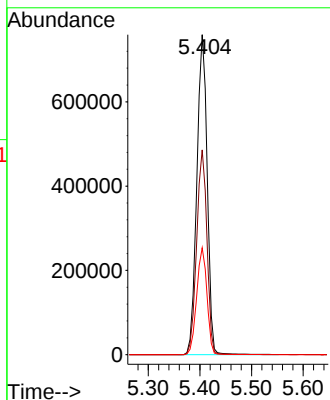
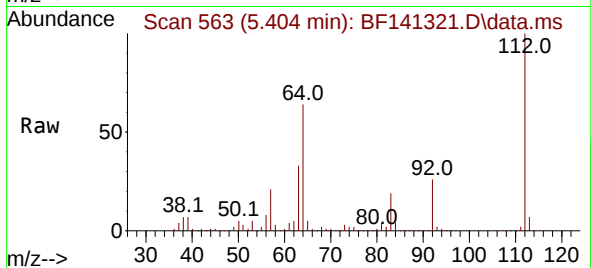




#5
2-Fluorophenol
Concen: 106.304 ng
RT: 5.404 min Scan# 509
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

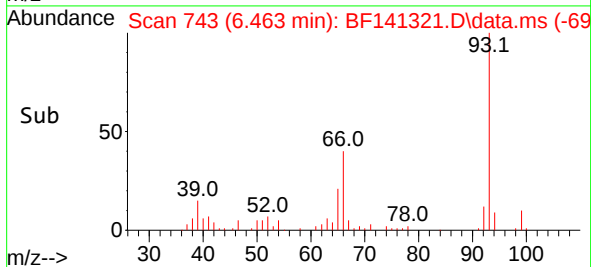
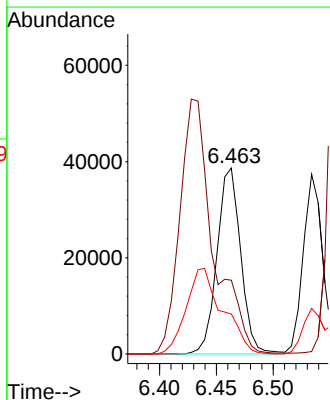
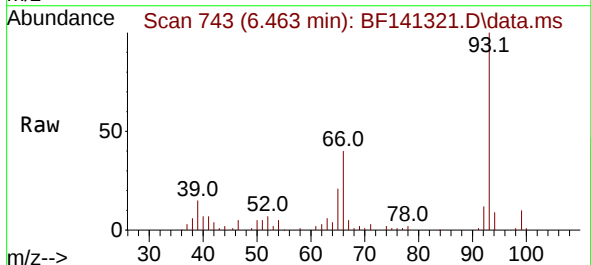
Instrument :
BNA_F
ClientSampleId :
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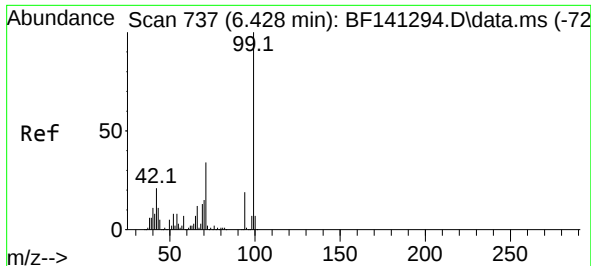
Tgt Ion:112 Resp: 1058763
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 33.4 26.1 39.1



#6
Aniline
Concen: 5.234 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion: 93 Resp: 56134
Ion Ratio Lower Upper
93 100
66 39.7 32.5 48.7
65 21.5 17.0 25.6





#7

Phenol-d6

Concen: 110.173 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

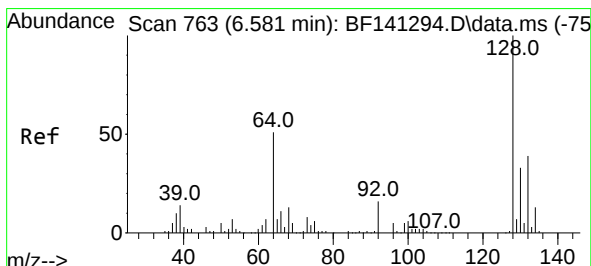
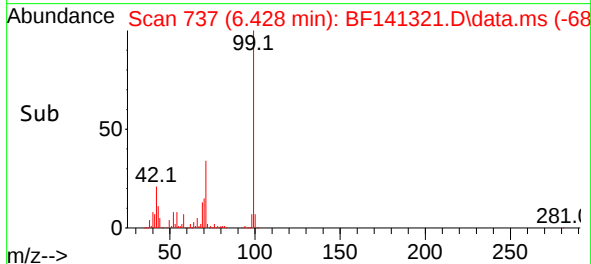
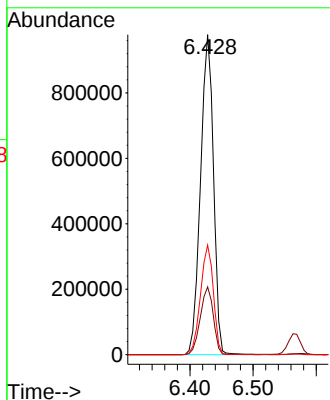
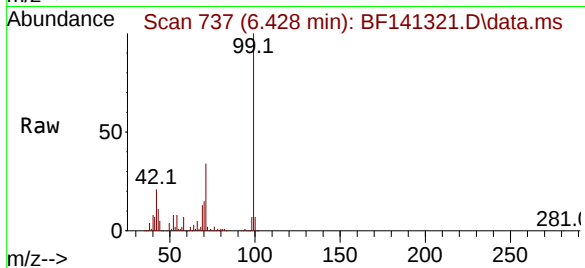
BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 99 Resp: 1395904

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	34.2	26.9	40.3



#8

2-Chlorophenol

Concen: 4.309 ng

RT: 6.581 min Scan# 763

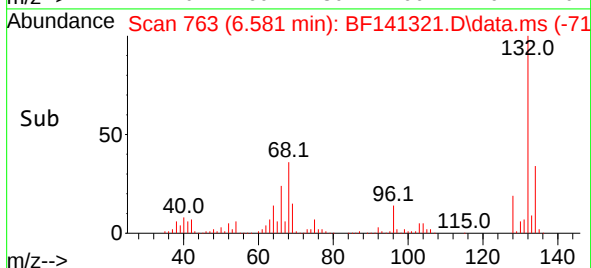
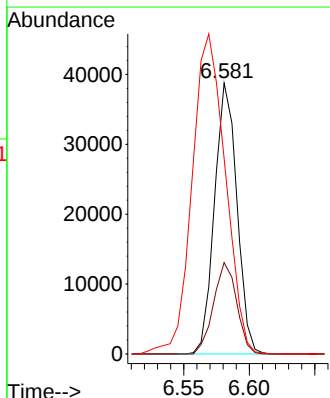
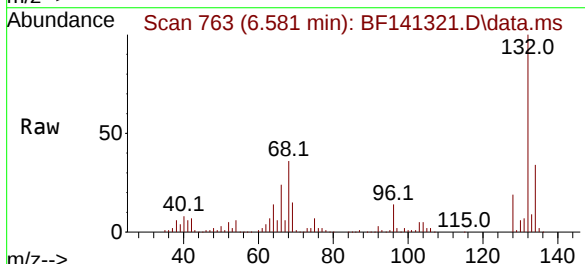
Delta R.T. -0.012 min

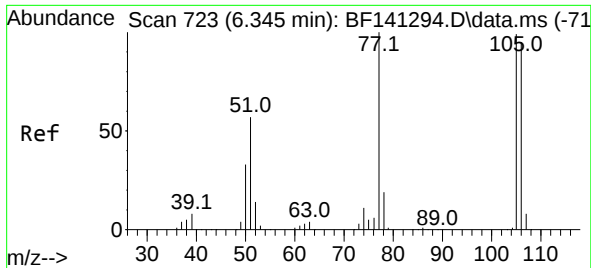
Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:128 Resp: 45996

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.5	52.5
64	72.2	32.9	72.9





#9

Benzaldehyde

Concen: 5.234 ng

RT: 6.346 min Scan# 723

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

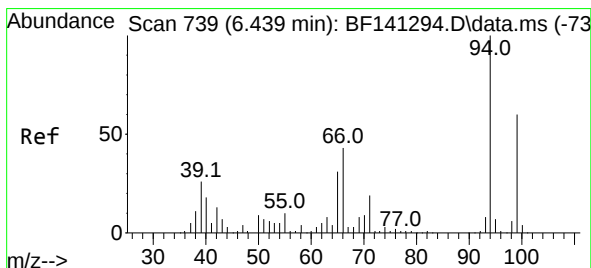
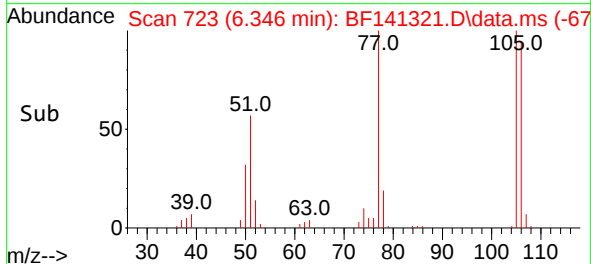
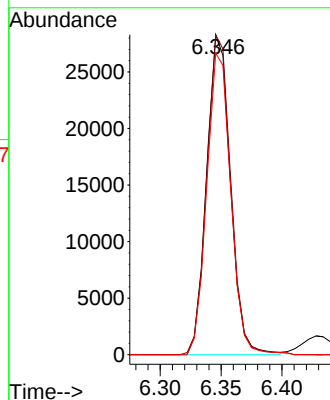
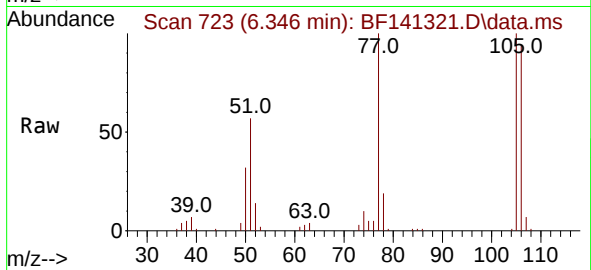
Tgt Ion: 77 Resp: 38415

Ion Ratio Lower Upper

77 100

105 99.9 79.4 119.4

106 94.3 74.6 114.6



#10

Phenol

Concen: 4.394 ng

RT: 6.440 min Scan# 739

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

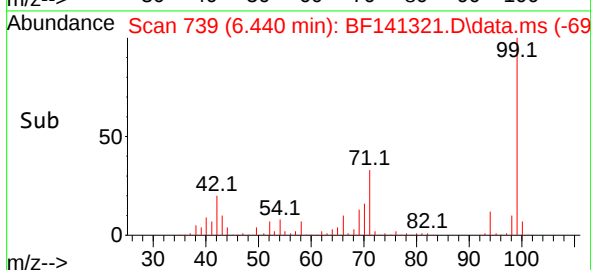
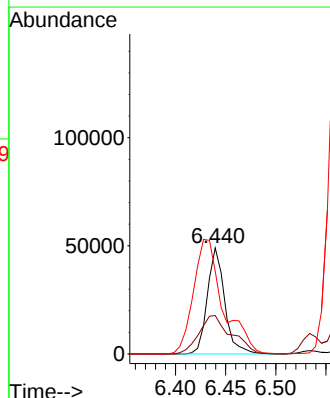
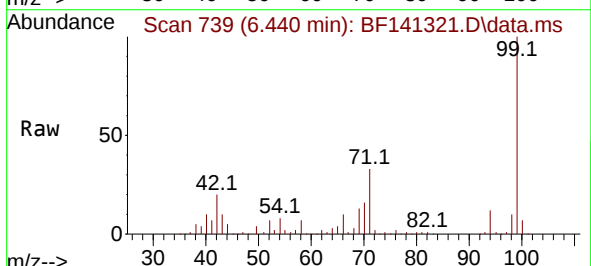
Tgt Ion: 94 Resp: 59019

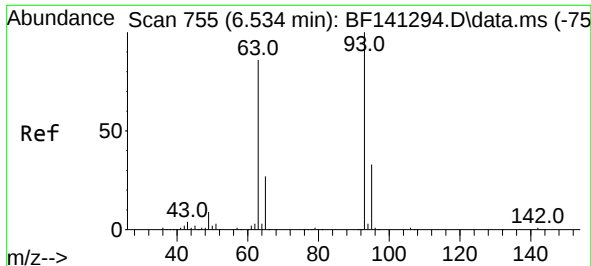
Ion Ratio Lower Upper

94 100

65 36.3 10.8 50.8

66 78.1 23.3 63.3#

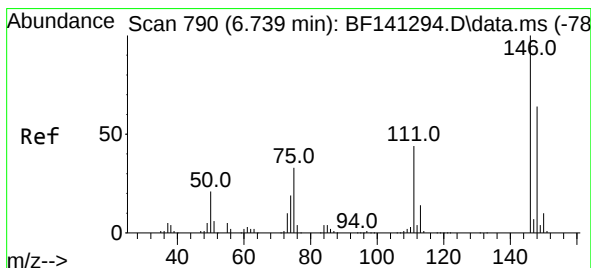
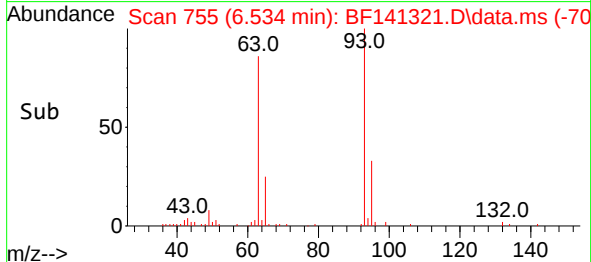
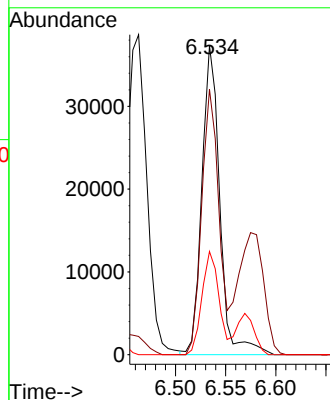
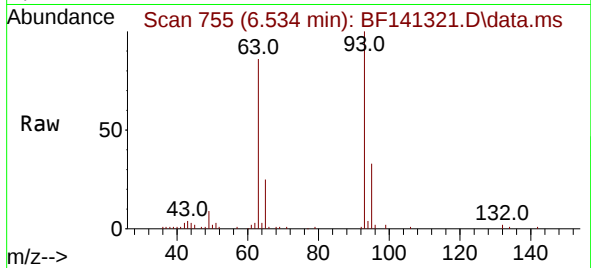




#11
bis(2-Chloroethyl)ether
Concen: 4.513 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

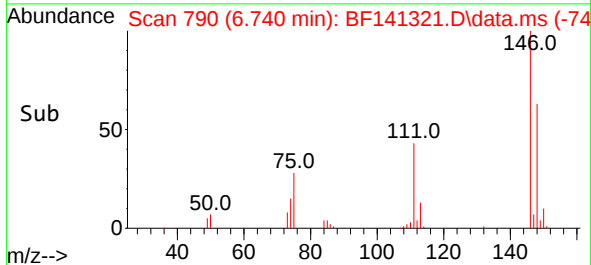
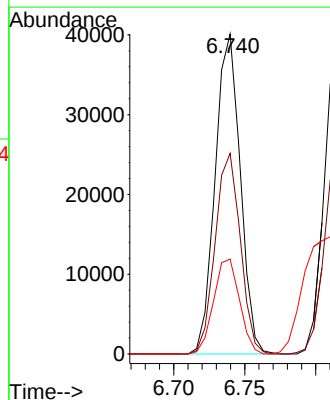
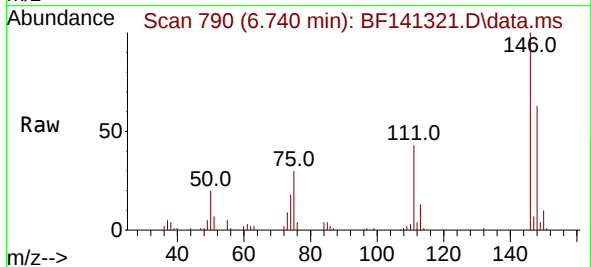
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

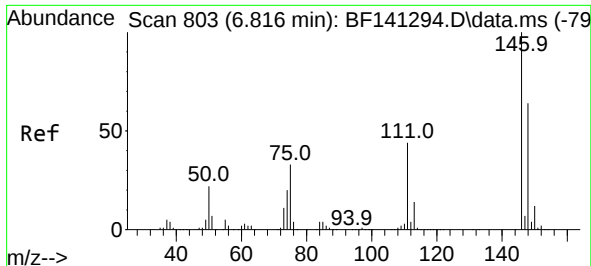
Tgt Ion:	93	Resp:	46478
Ion	Ratio	Lower	Upper
93	100		
63	85.8	65.0	105.0
95	33.4	12.4	52.4



#12
1,3-Dichlorobenzene
Concen: 4.189 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:	146	Resp:	49305
Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.2	76.8
75	29.6	26.2	39.4

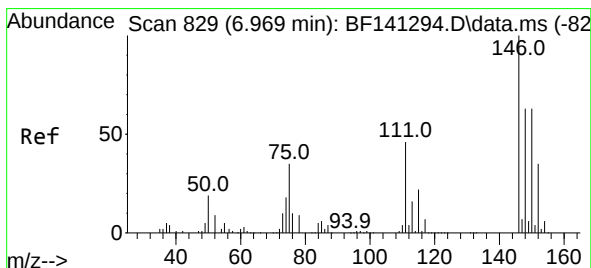
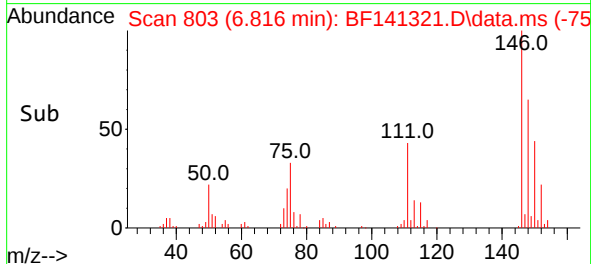
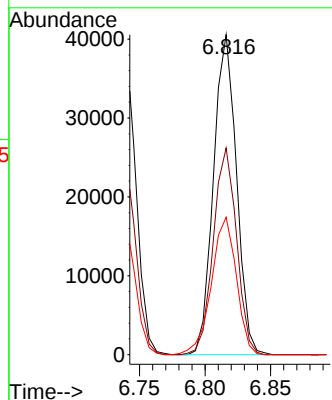
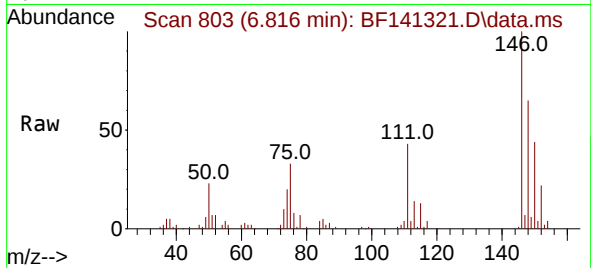




#13
1,4-Dichlorobenzene
Concen: 4.181 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

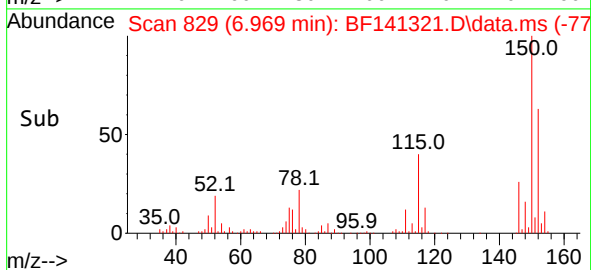
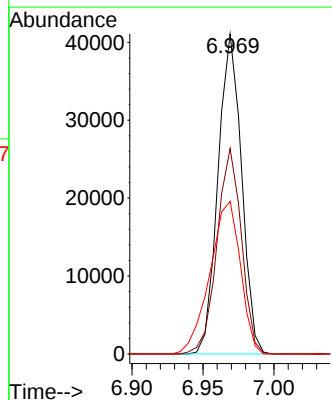
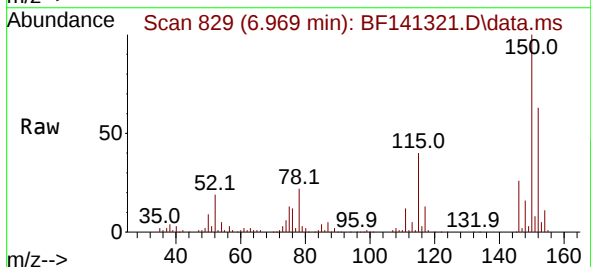
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

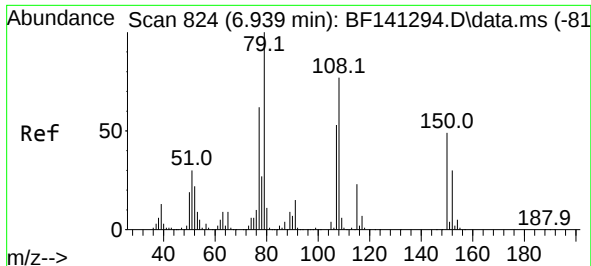
Tgt Ion:146 Resp: 49439
Ion Ratio Lower Upper
146 100
148 64.6 51.2 76.8
111 42.9 35.0 52.4



#14
1,2-Dichlorobenzene
Concen: 4.260 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:146 Resp: 47170
Ion Ratio Lower Upper
146 100
148 64.2 50.5 75.7
111 47.7 36.6 55.0

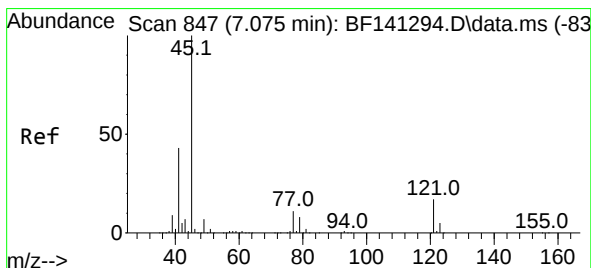
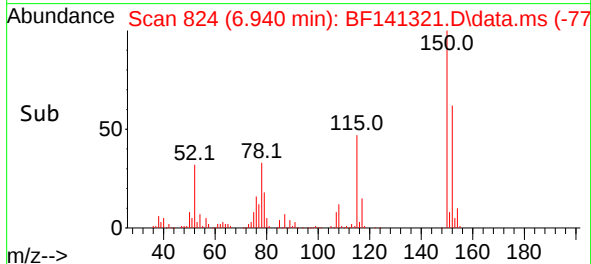
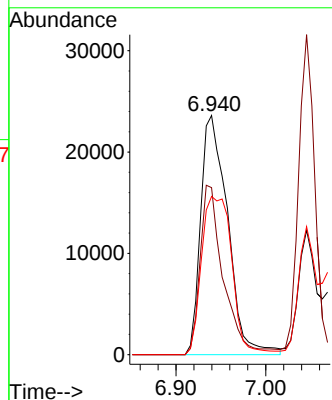
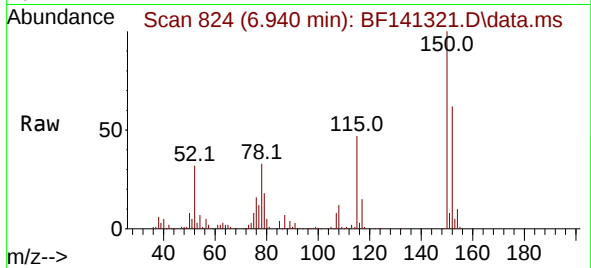




#15
Benzyl Alcohol
Concen: 5.693 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

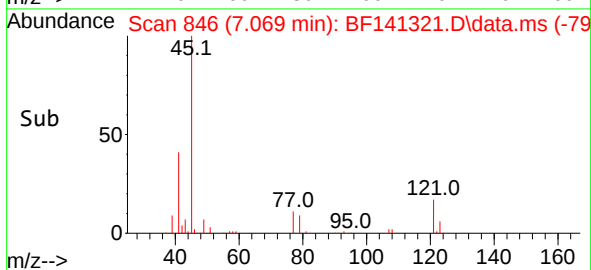
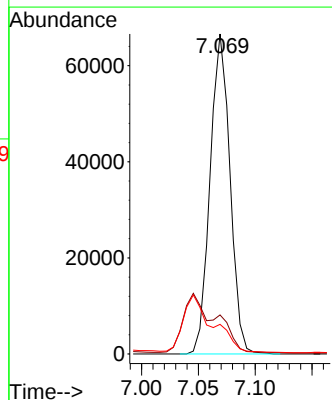
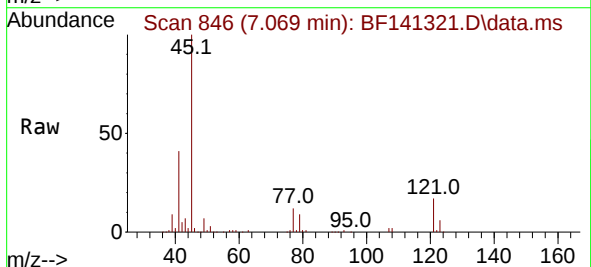
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

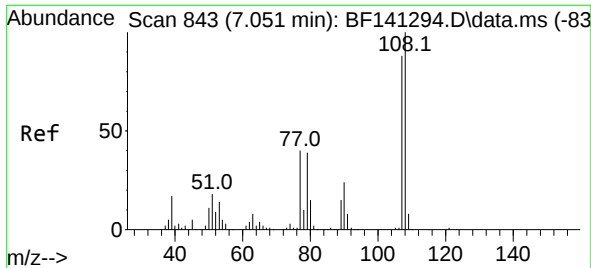
Tgt Ion: 79 Resp: 49295
Ion Ratio Lower Upper
79 100
108 69.8 61.4 92.0
77 66.1 49.9 74.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.530 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

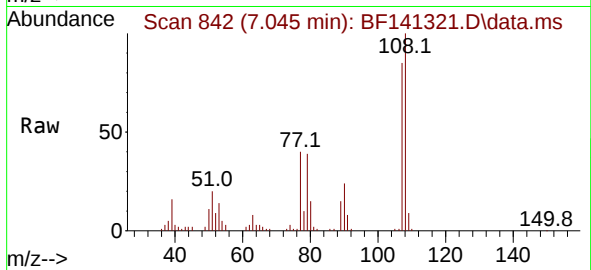
Tgt Ion: 45 Resp: 81115
Ion Ratio Lower Upper
45 100
77 12.2 0.0 31.8
79 9.3 0.0 29.1



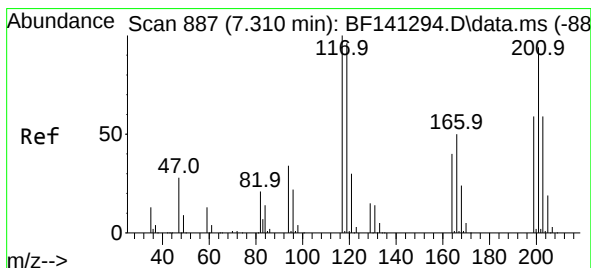
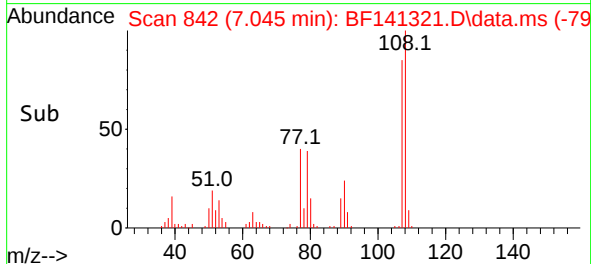
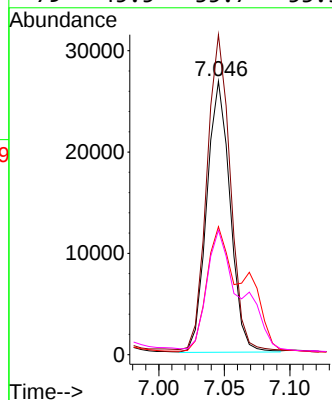


#17
2-Methylphenol
Concen: 3.820 ng
RT: 7.045 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

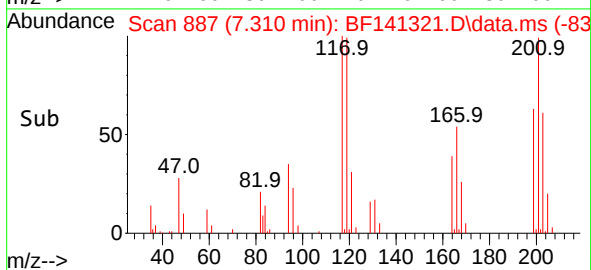
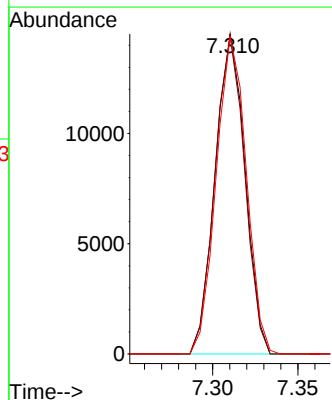
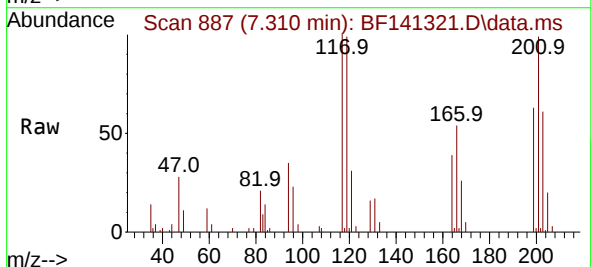


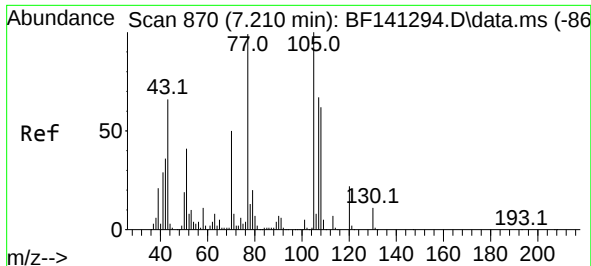
Tgt Ion:107 Resp: 33145
Ion Ratio Lower Upper
107 100
108 117.0 90.8 136.2
77 46.8 36.2 54.4
79 45.5 35.7 53.5



#18
Hexachloroethane
Concen: 4.060 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:117 Resp: 17712
Ion Ratio Lower Upper
117 100
119 99.4 76.6 114.8
201 99.3 74.8 112.2





#19

n-Nitroso-di-n-propylamine

Concen: 4.400 ng

RT: 7.204 min Scan# 8

Delta R.T. -0.024 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 70 Resp: 33127

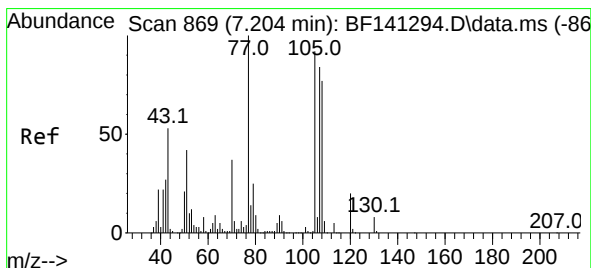
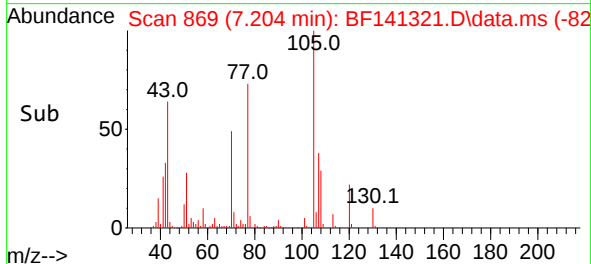
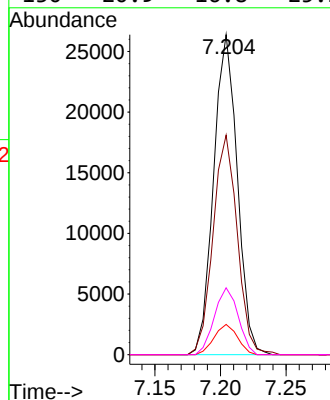
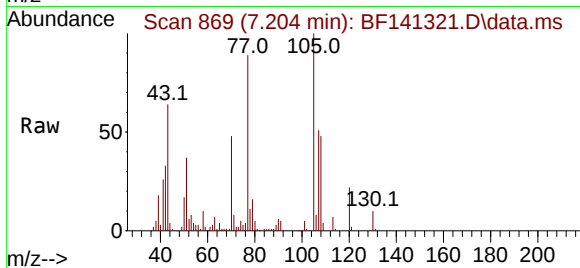
Ion Ratio Lower Upper

70 100

42 68.6 56.8 85.2

101 9.4 7.7 11.5

130 20.9 16.8 25.2



#20

3+4-Methylphenols

Concen: 4.317 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:107 Resp: 45991

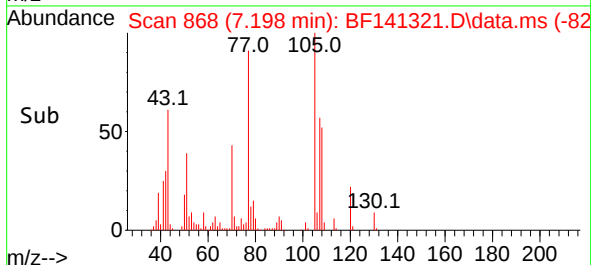
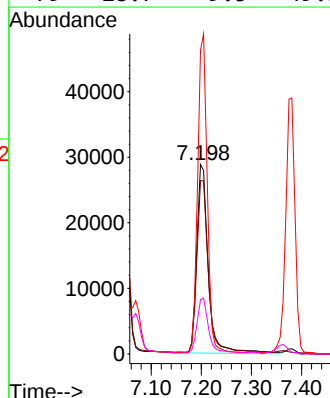
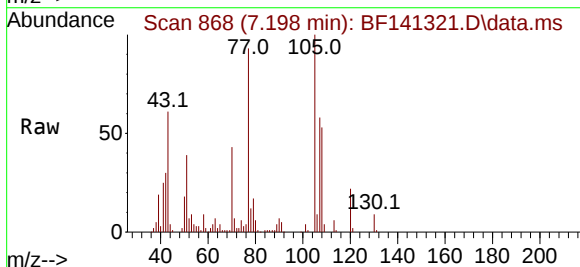
Ion Ratio Lower Upper

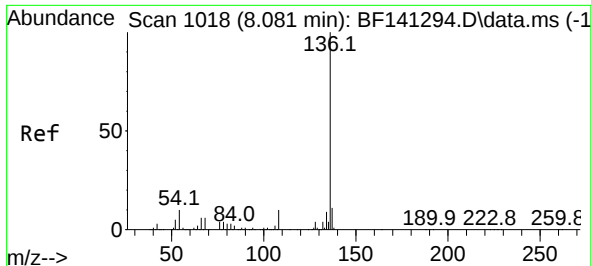
107 100

108 91.5 70.9 110.9

77 160.3 98.5 138.5#

79 28.7 9.5 49.5

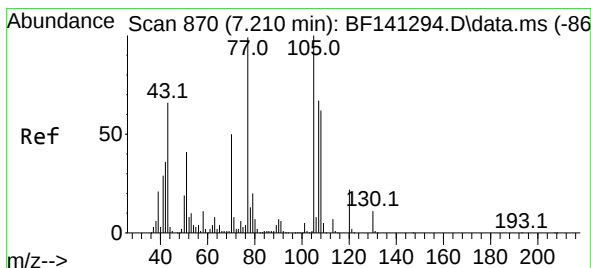
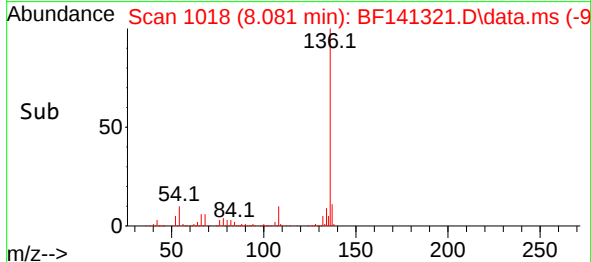
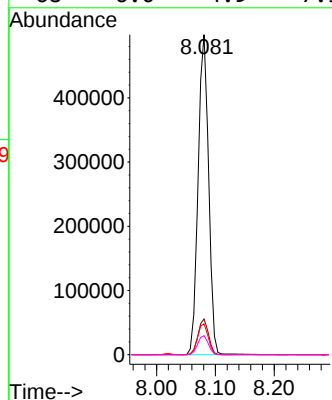
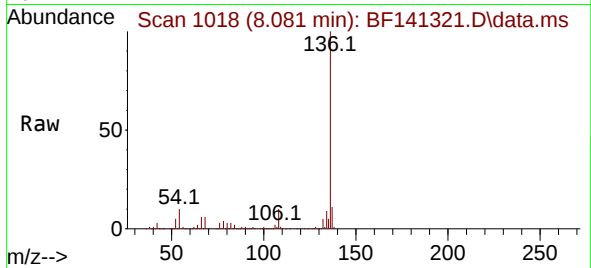




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

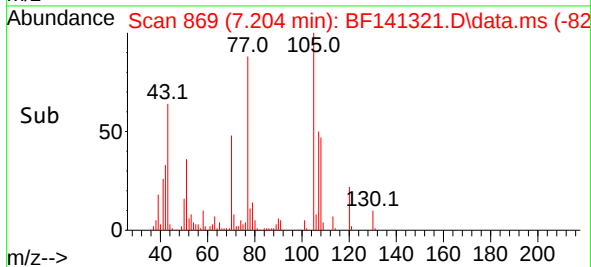
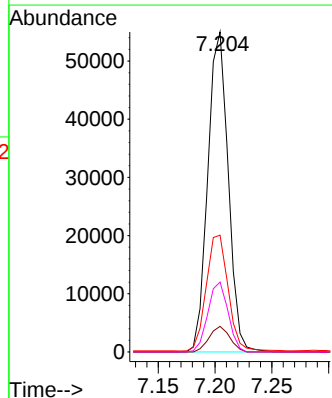
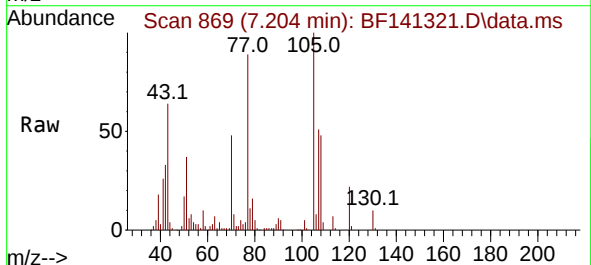
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

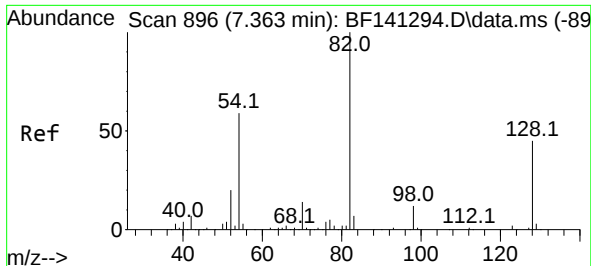
Tgt Ion:	136	Resp:	616569
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.6	7.8	11.8
68	6.0	4.9	7.3



#22
Acetophenone
Concen: 4.690 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:	105	Resp:	68731
Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.8	10.2
51	36.5	32.6	49.0
120	21.8	17.4	26.0





#23

Nitrobenzene-d5

Concen: 80.196 ng

RT: 7.363 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

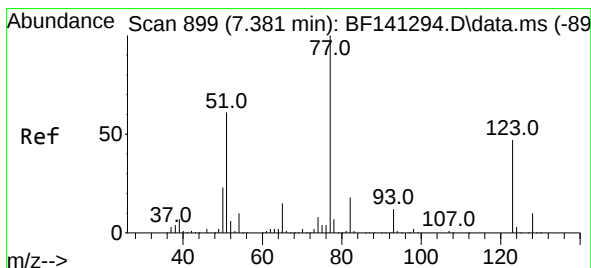
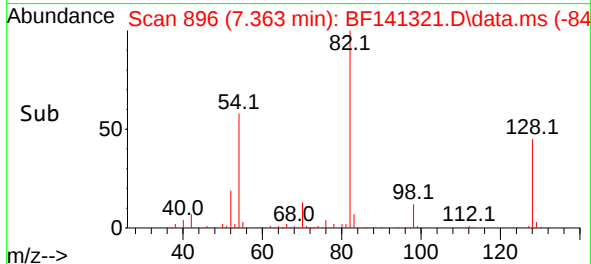
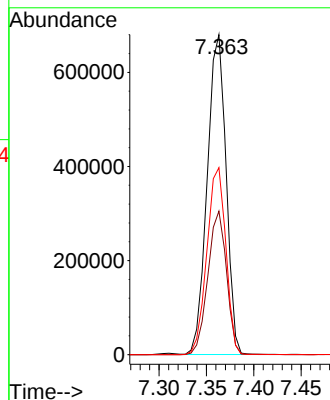
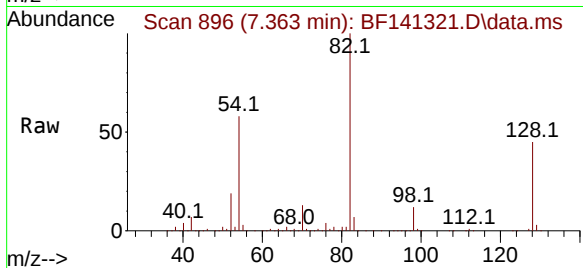
Tgt Ion: 82 Resp: 937967

Ion Ratio Lower Upper

82 100

128 44.9 35.7 53.5

54 58.5 47.1 70.7



#24

Nitrobenzene

Concen: 4.214 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

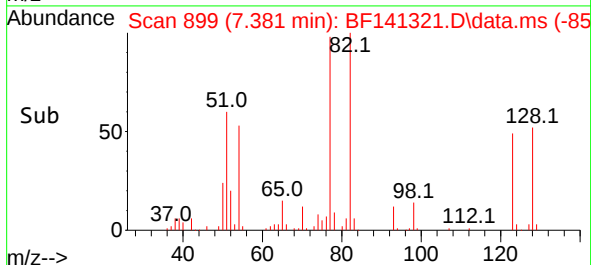
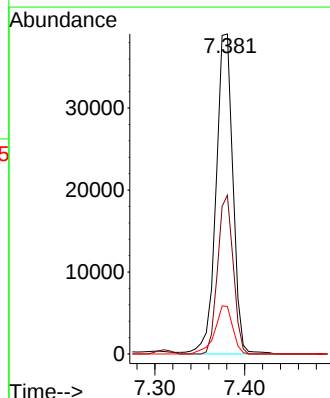
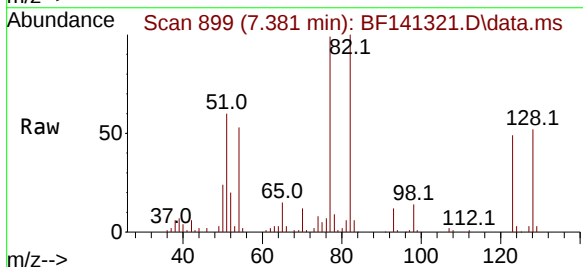
Tgt Ion: 77 Resp: 51078

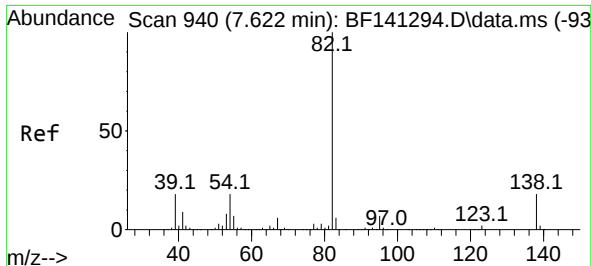
Ion Ratio Lower Upper

77 100

123 49.6 37.3 55.9

65 14.8 11.8 17.6

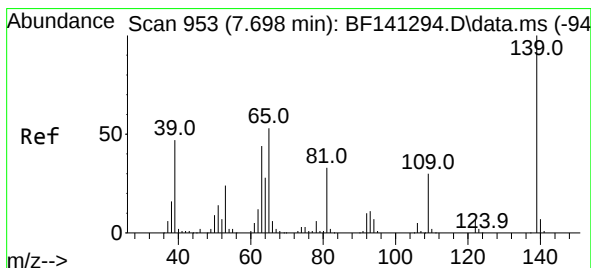
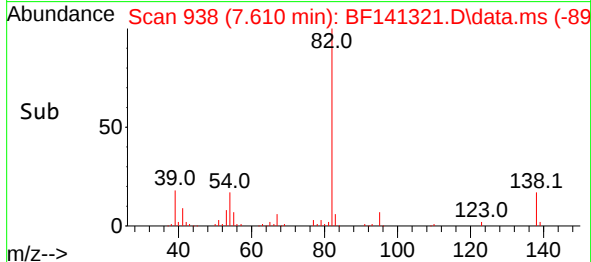
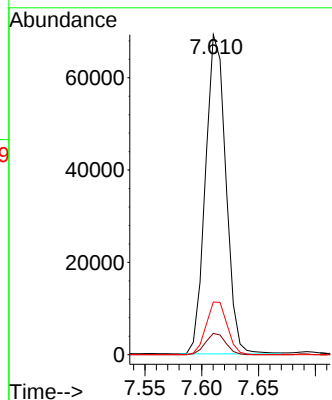
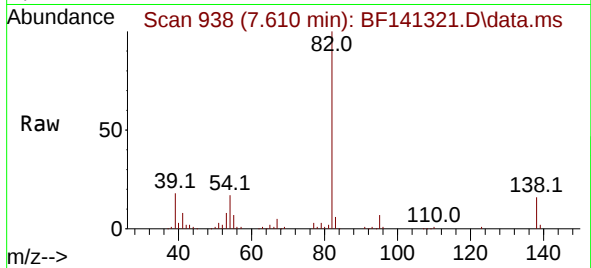




#25
Isophorone
Concen: 4.281 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

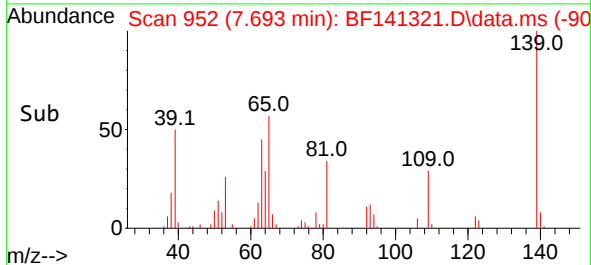
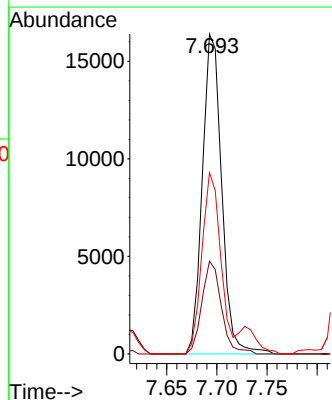
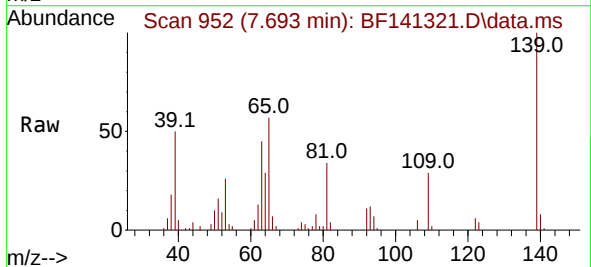
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

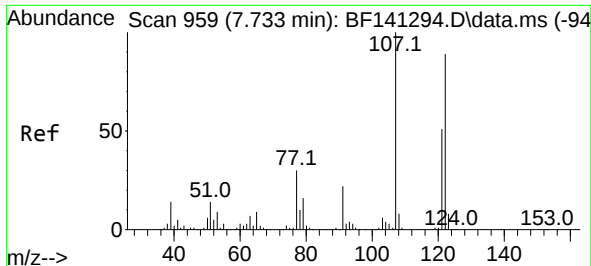
Tgt Ion: 82 Resp: 86545
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 16.5 14.7 22.1



#26
2-Nitrophenol
Concen: 3.857 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion: 139 Resp: 22049
Ion Ratio Lower Upper
139 100
109 29.0 23.8 35.6
65 56.7 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 2.099 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

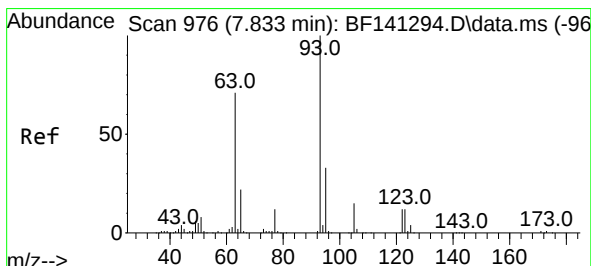
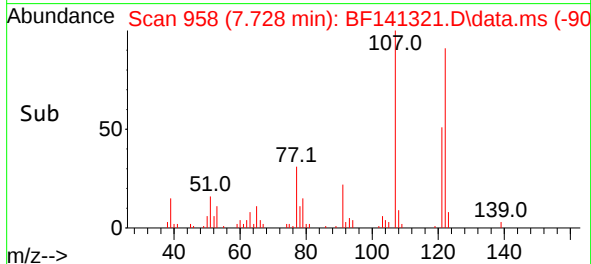
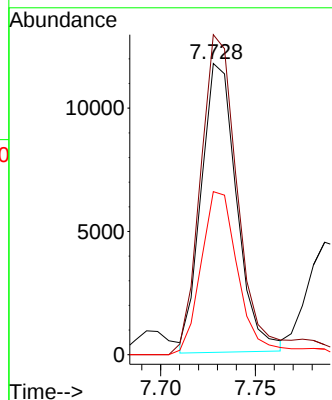
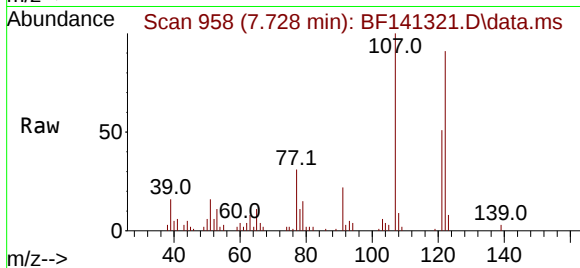
Tgt Ion:122 Resp: 15275

Ion Ratio Lower Upper

122 100

107 109.9 89.9 134.9

121 56.0 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 4.314 ng

RT: 7.828 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

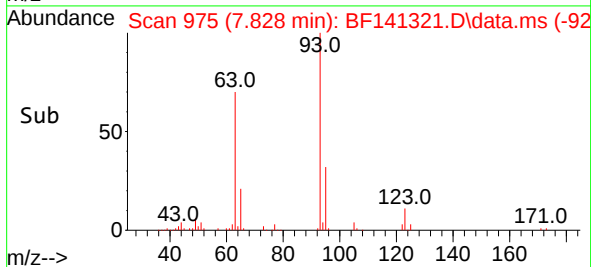
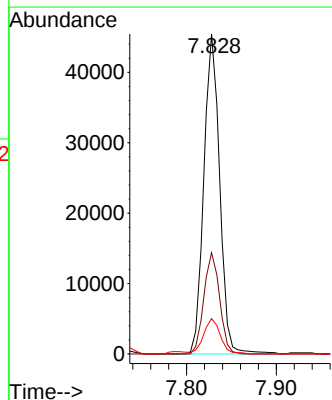
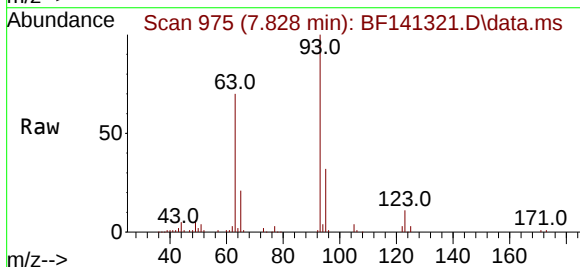
Tgt Ion: 93 Resp: 55637

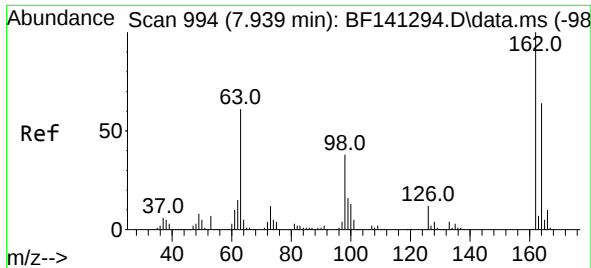
Ion Ratio Lower Upper

93 100

95 31.6 26.2 39.2

123 11.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 4.035 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

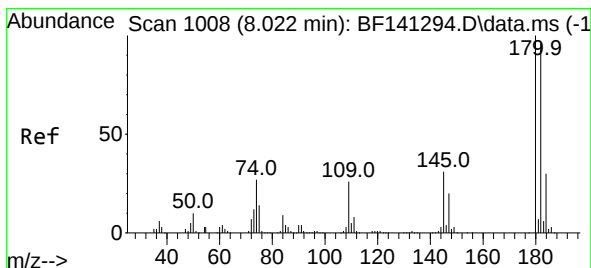
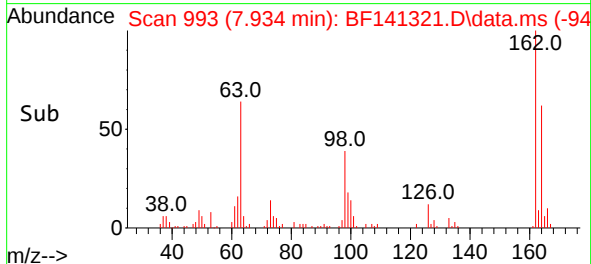
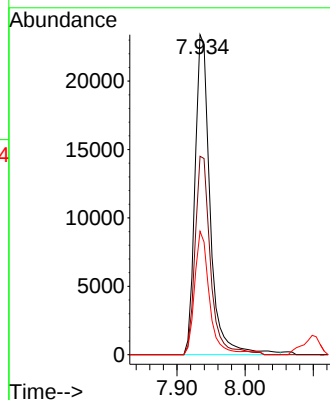
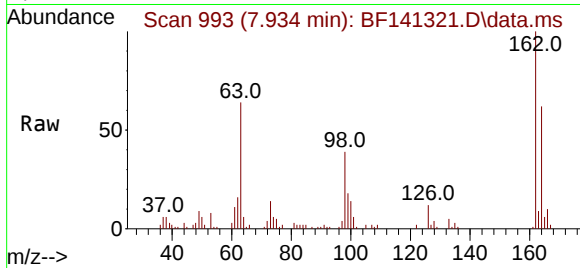
Tgt Ion:162 Resp: 35937

Ion Ratio Lower Upper

162 100

164 62.0 44.2 84.2

98 38.6 18.2 58.2



#30

1,2,4-Trichlorobenzene

Concen: 4.176 ng

RT: 8.022 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

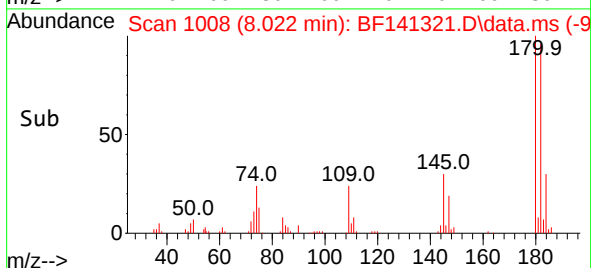
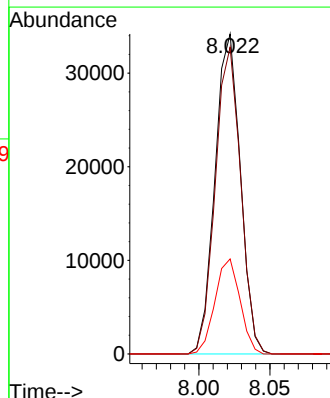
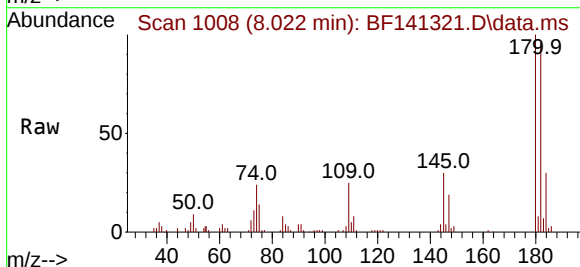
Tgt Ion:180 Resp: 42481

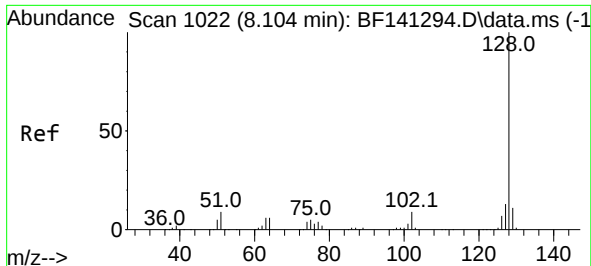
Ion Ratio Lower Upper

180 100

182 95.9 76.4 114.6

145 29.7 24.9 37.3

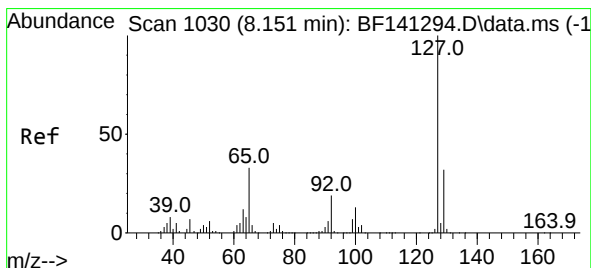
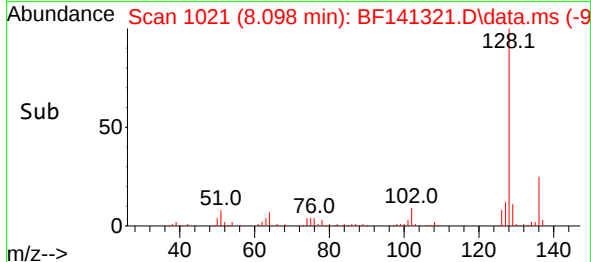
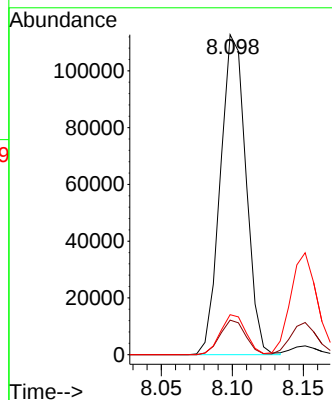
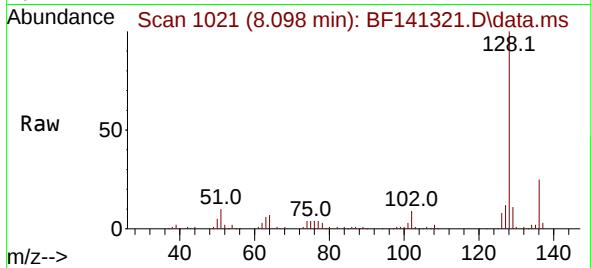




#31
Naphthalene
Concen: 4.343 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

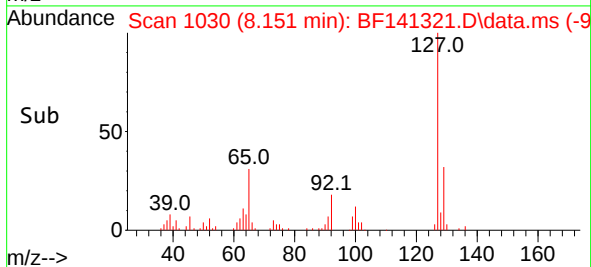
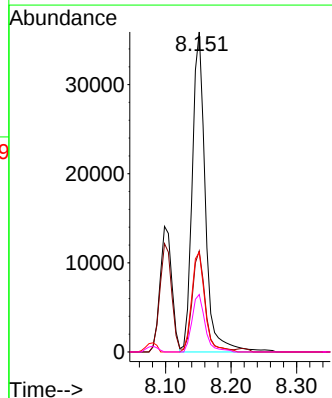
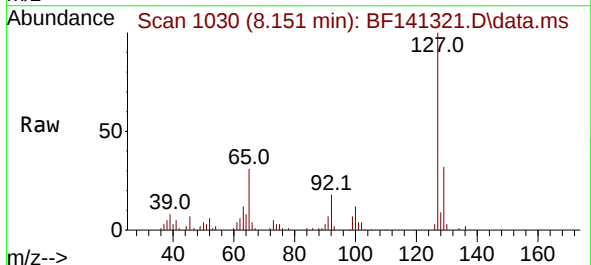
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

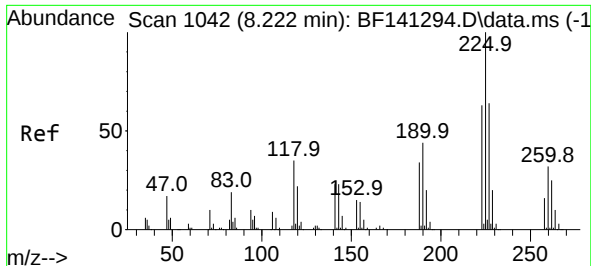
Tgt Ion:128 Resp: 141463
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.5 10.6 15.8



#33
4-Chloroaniline
Concen: 4.523 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:127 Resp: 49956
Ion Ratio Lower Upper
127 100
129 31.6 25.7 38.5
65 31.1 26.4 39.6
92 18.0 15.1 22.7

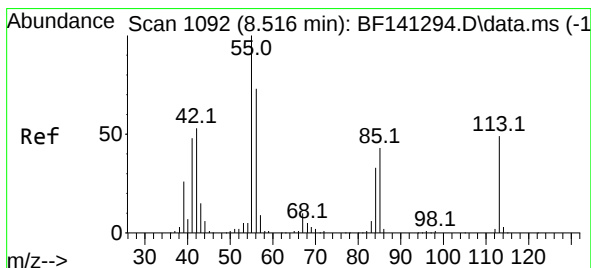
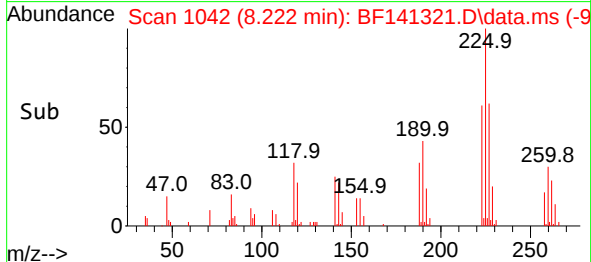
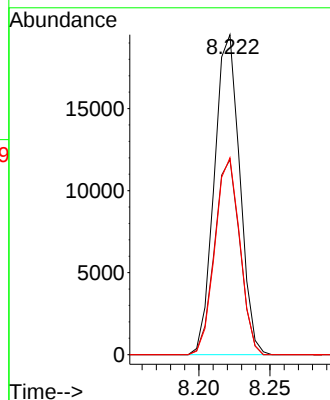
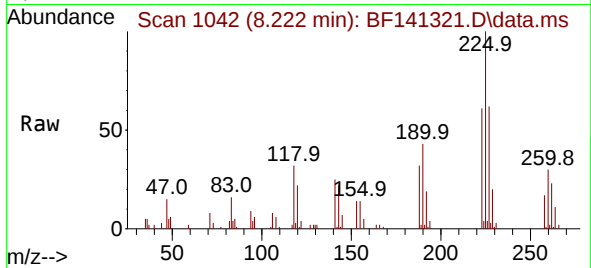




#34
Hexachlorobutadiene
Concen: 4.069 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

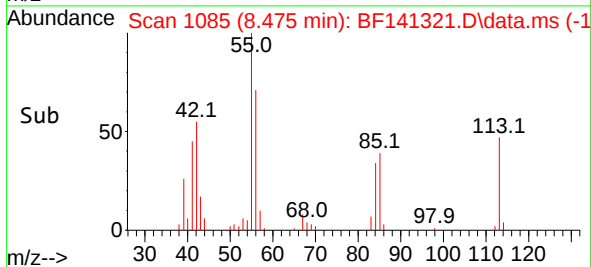
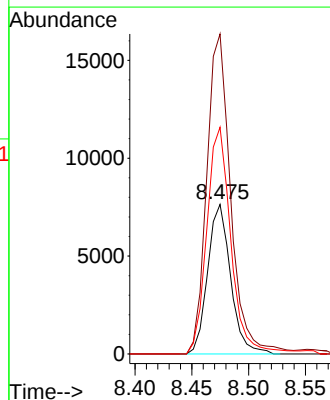
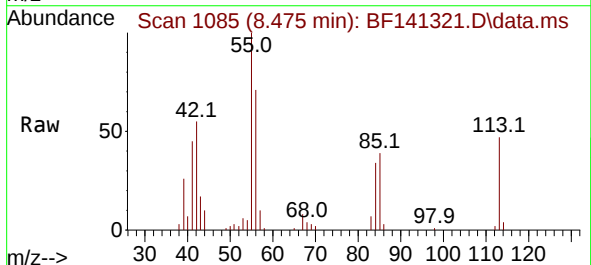
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

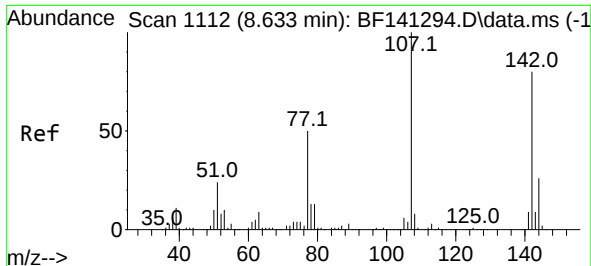
Tgt Ion:225 Resp: 24276
Ion Ratio Lower Upper
225 100
223 61.0 50.4 75.6
227 61.5 51.3 76.9



#35
Caprolactam
Concen: 3.692 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.071 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:113 Resp: 10739
Ion Ratio Lower Upper
113 100
55 213.8 182.9 222.9
56 151.5 127.9 167.9

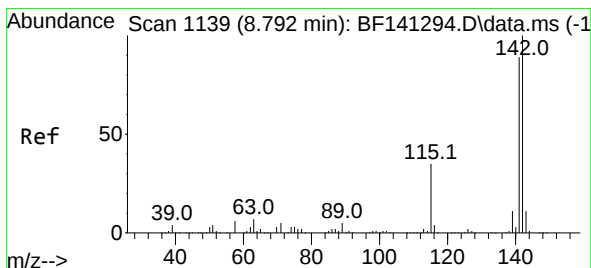
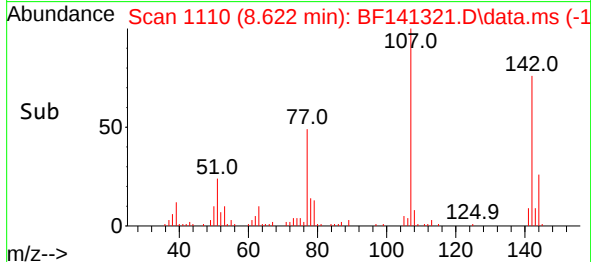
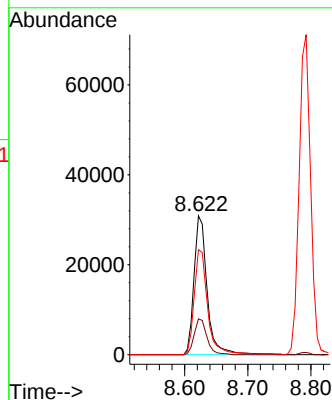
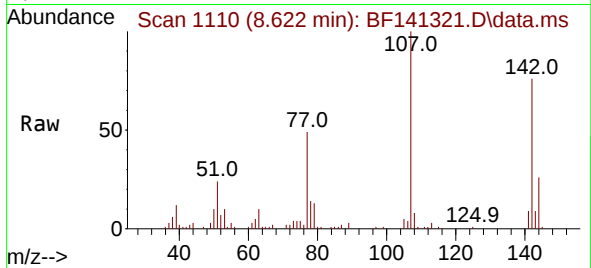




#36
4-Chloro-3-methylphenol
Concen: 4.683 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

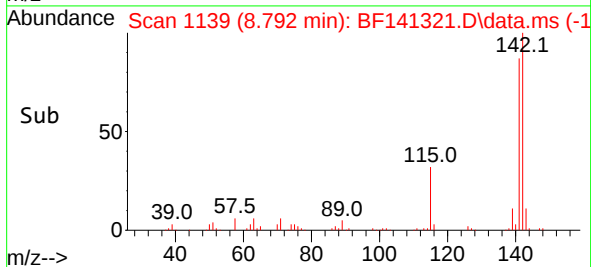
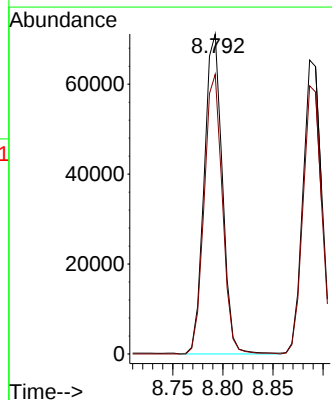
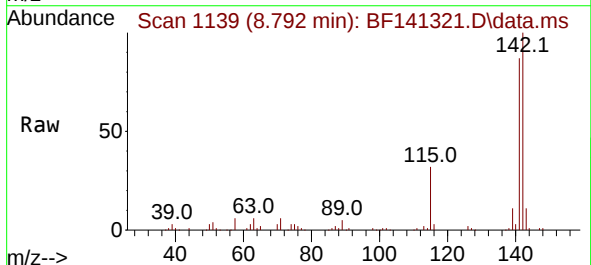
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

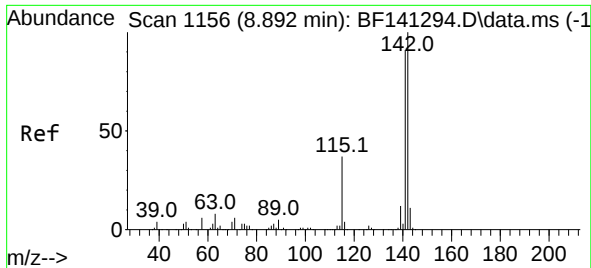
Tgt Ion:107 Resp: 44740
Ion Ratio Lower Upper
107 100
144 25.8 20.7 31.1
142 75.5 63.8 95.8



#37
2-Methylnaphthalene
Concen: 4.343 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:142 Resp: 89914
Ion Ratio Lower Upper
142 100
141 87.4 71.3 106.9

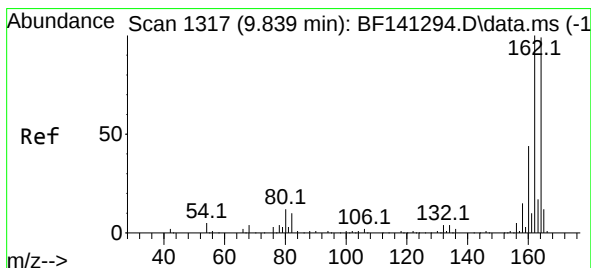
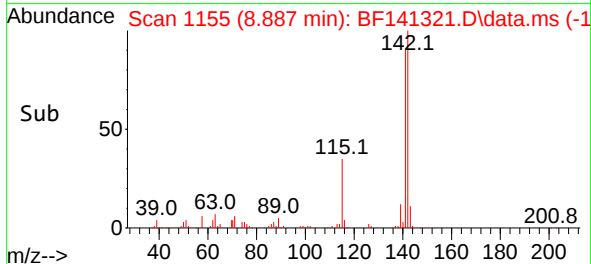
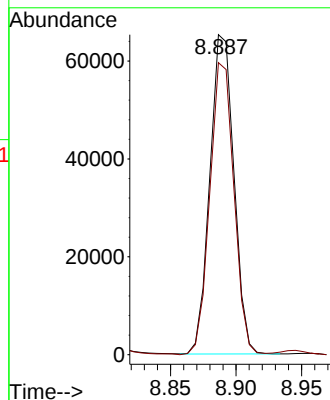
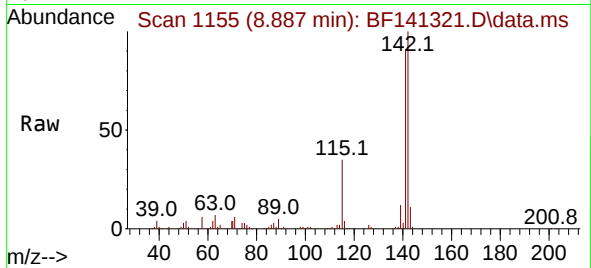




#38
1-Methylnaphthalene
Concen: 4.097 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

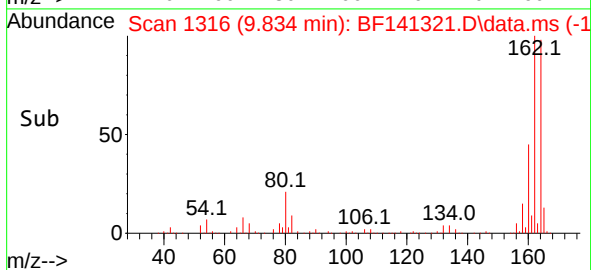
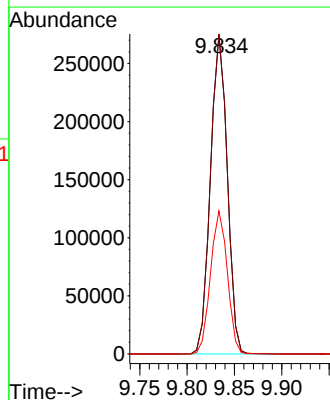
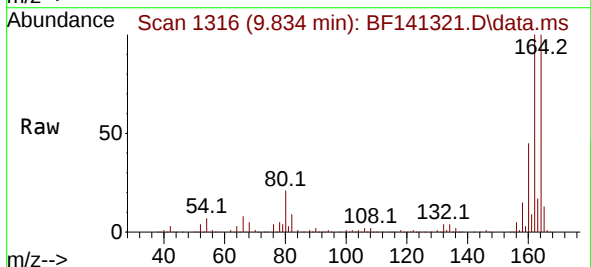
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

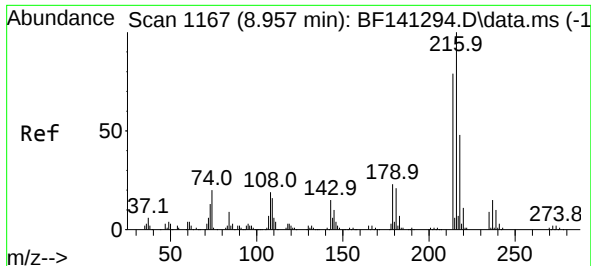
Tgt Ion:142 Resp: 83323
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:164 Resp: 338750
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 44.8 35.8 53.6

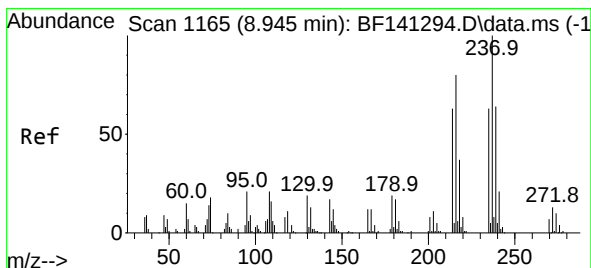
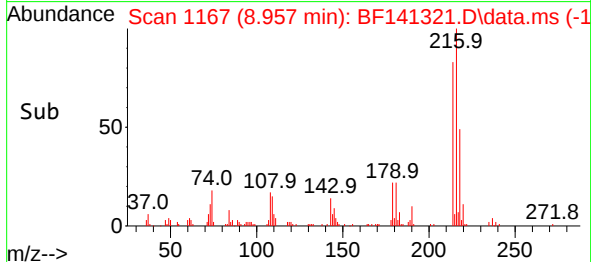
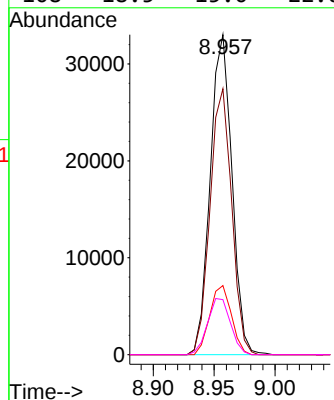
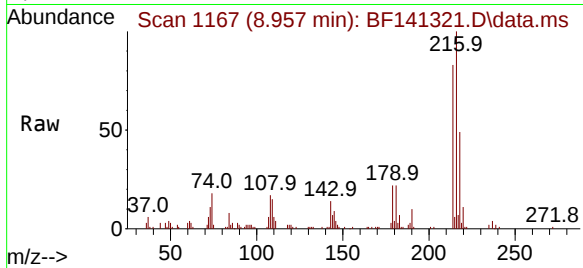




#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.244 ng
 RT: 8.957 min Scan# 1167
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

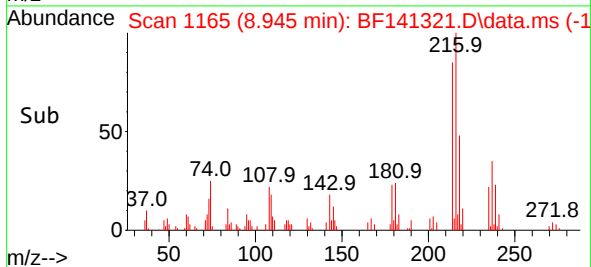
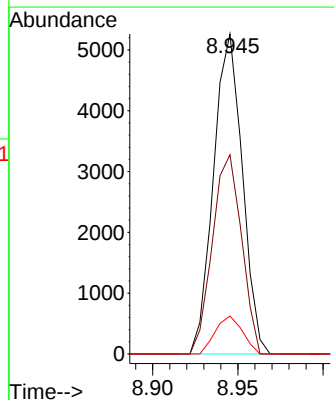
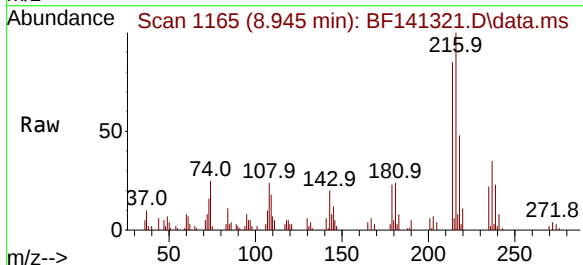
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

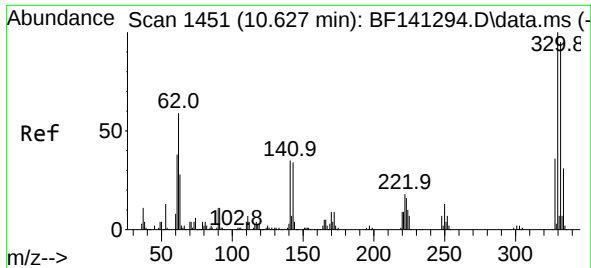
Tgt Ion:	216	Resp:	40903
Ion Ratio	Lower	Upper	
216	100		
214	82.8	63.2	94.8
179	21.6	17.8	26.8
108	18.5	15.0	22.6



#41
 Hexachlorocyclopentadiene
 Concen: 2.173 ng
 RT: 8.945 min Scan# 1165
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

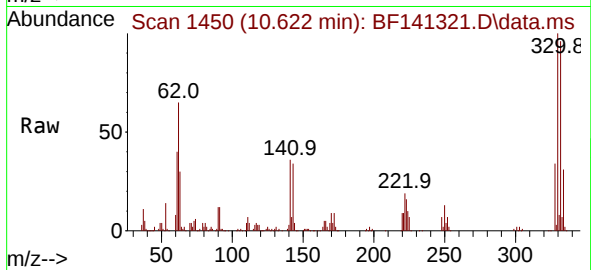
Tgt Ion:	237	Resp:	6185
Ion Ratio	Lower	Upper	
237	100		
235	62.3	42.9	82.9
272	11.9	0.0	32.8



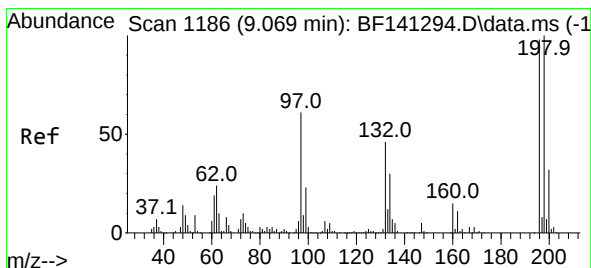
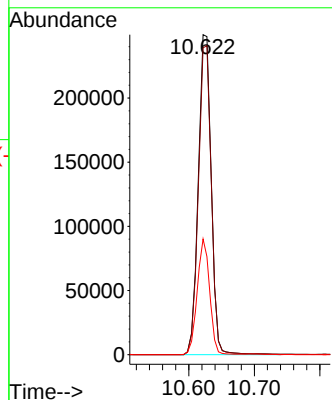
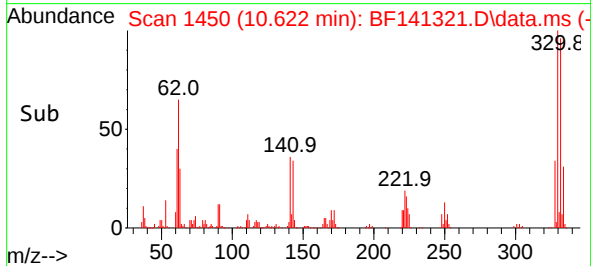


#42
 2,4,6-Tribromophenol
 Concen: 110.410 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. -0.012 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

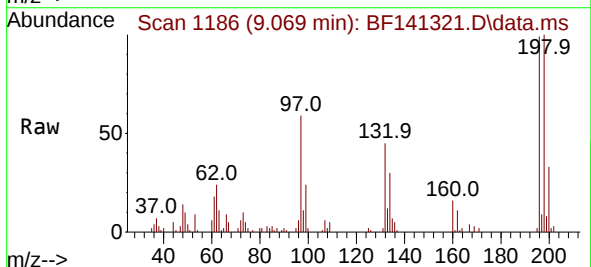
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



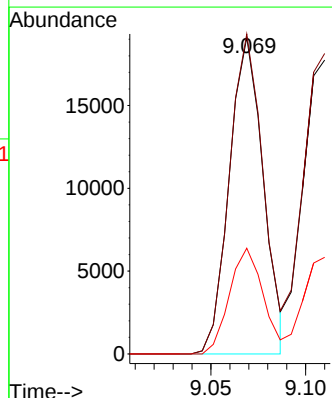
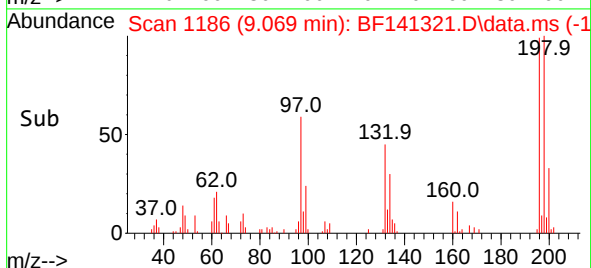
Tgt Ion:330 Resp: 342884
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.1 114.1
 141 34.7 28.8 43.2

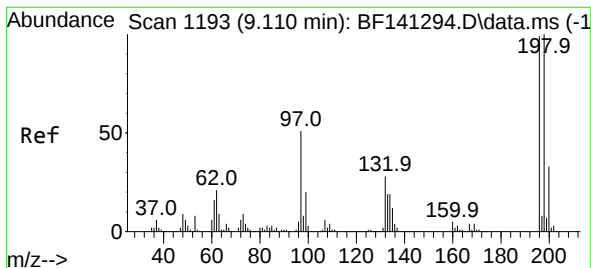


#43
 2,4,6-Trichlorophenol
 Concen: 3.766 ng
 RT: 9.069 min Scan# 1186
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15



Tgt Ion:196 Resp: 23757
 Ion Ratio Lower Upper
 196 100
 198 101.1 81.8 122.6
 200 33.4 26.3 39.5





#44

2,4,5-Trichlorophenol

Concen: 3.700 ng

RT: 9.110 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:196 Resp: 25400

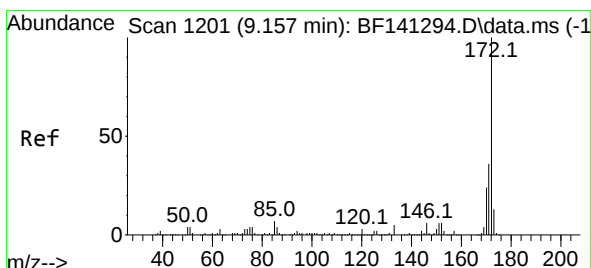
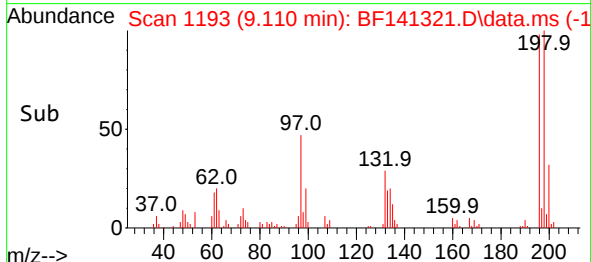
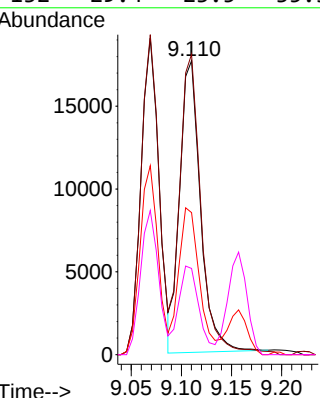
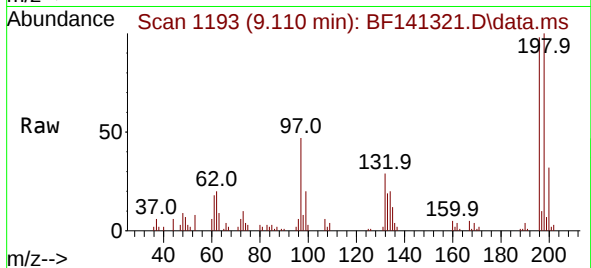
Ion Ratio Lower Upper

196 100

198 102.3 80.5 120.7

97 48.3 42.8 64.2

132 29.4 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 74.539 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

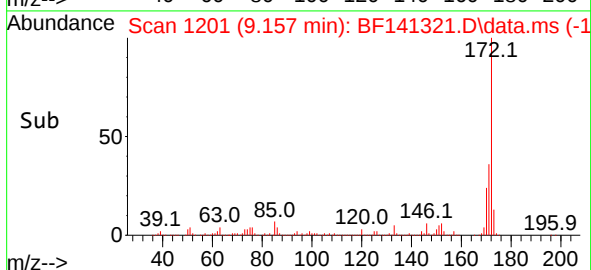
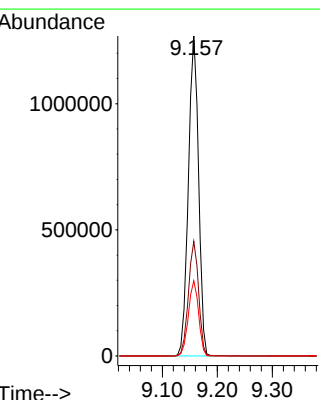
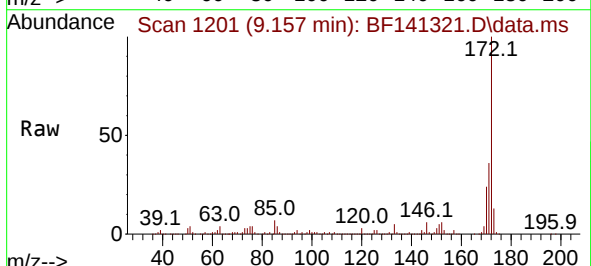
Tgt Ion:172 Resp: 1640475

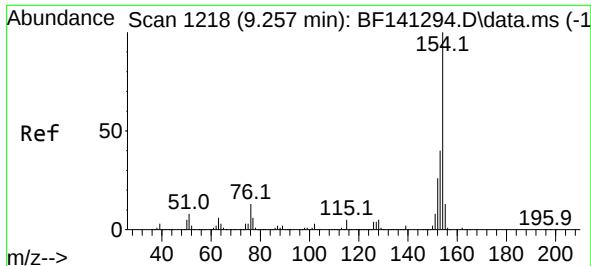
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.5 19.0 28.6

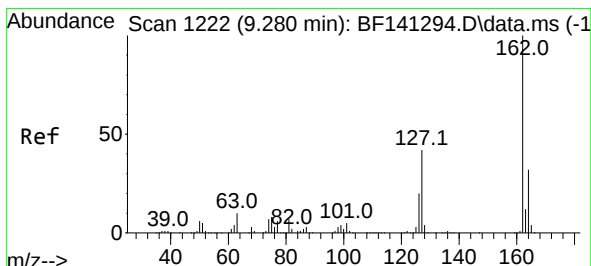
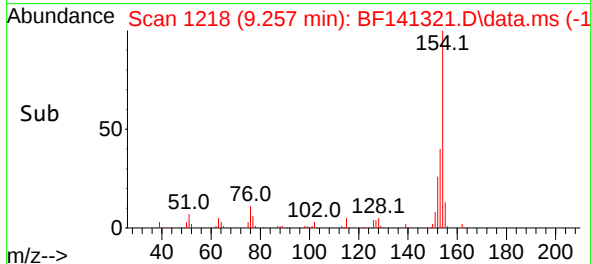
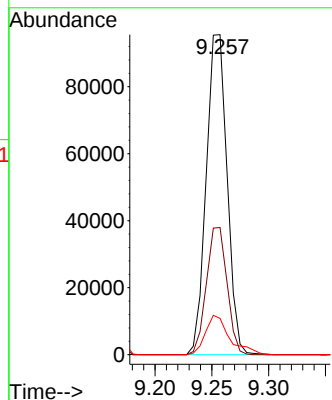
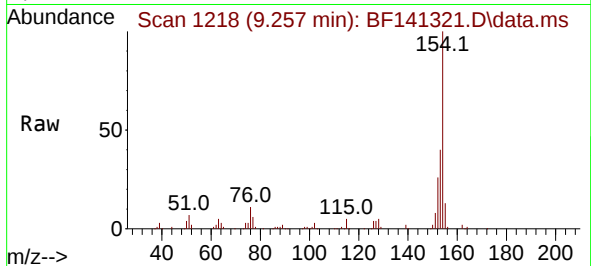




#46
1,1'-Biphenyl
Concen: 4.622 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

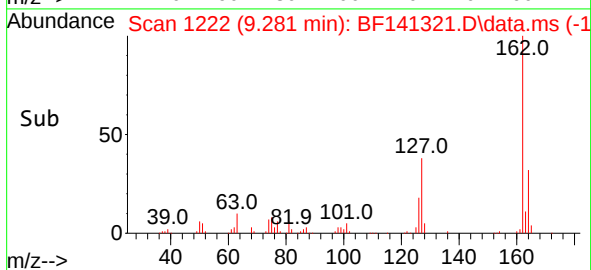
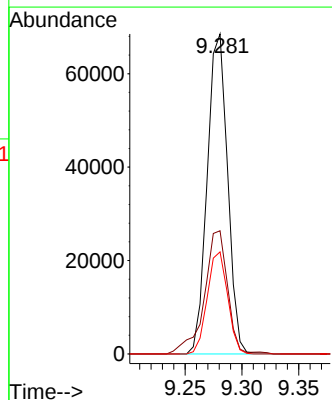
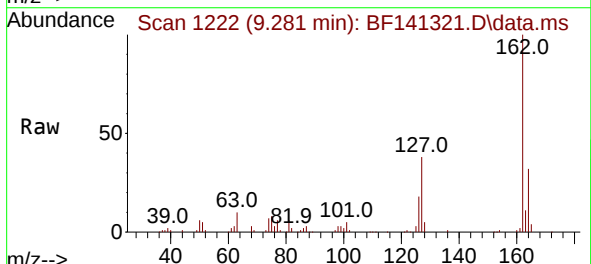
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

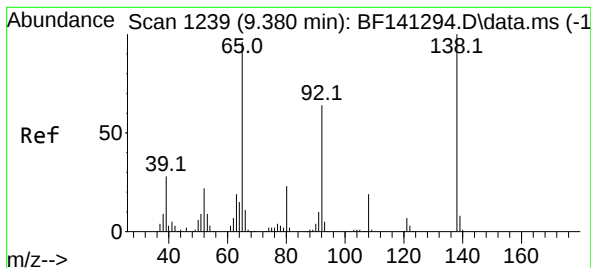
Tgt Ion:154 Resp: 122118
Ion Ratio Lower Upper
154 100
153 39.8 20.0 60.0
76 11.4 0.0 32.8



#47
2-Chloronaphthalene
Concen: 4.146 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:162 Resp: 85383
Ion Ratio Lower Upper
162 100
127 38.5 33.7 50.5
164 31.9 25.9 38.9





#48

2-Nitroaniline

Concen: 3.753 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

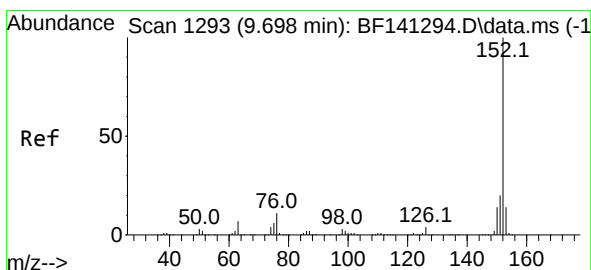
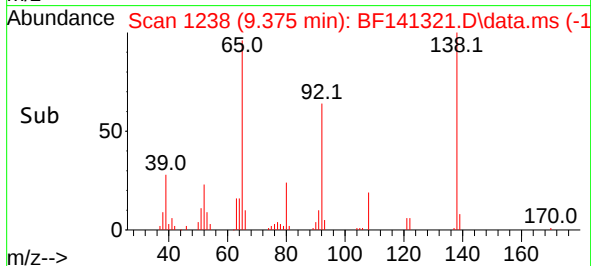
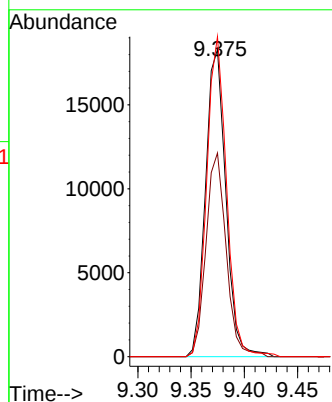
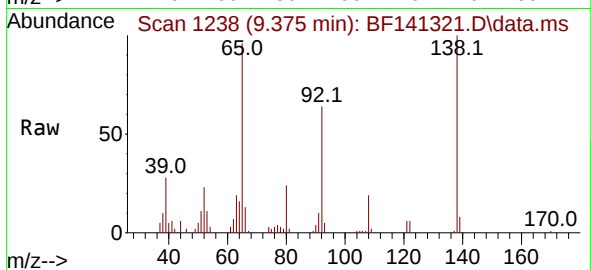
Tgt Ion: 65 Resp: 24308

Ion Ratio Lower Upper

65 100

92 66.3 53.3 79.9

138 104.1 83.6 125.4



#49

Acenaphthylene

Concen: 4.545 ng

RT: 9.692 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

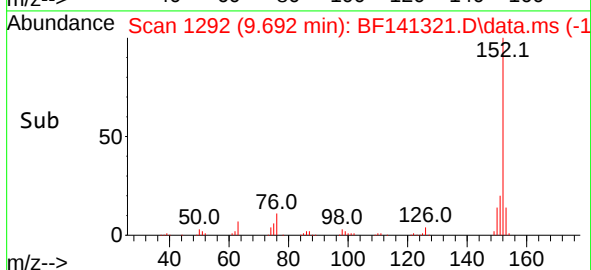
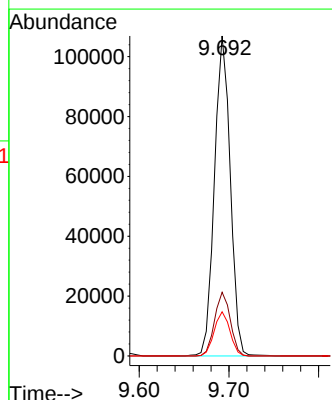
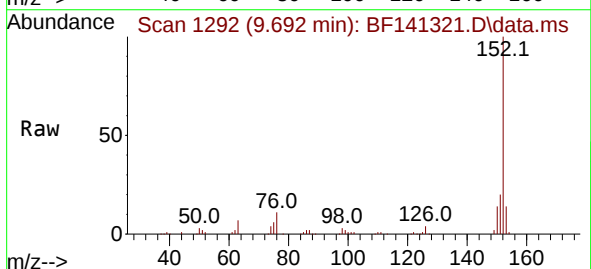
Tgt Ion: 152 Resp: 131012

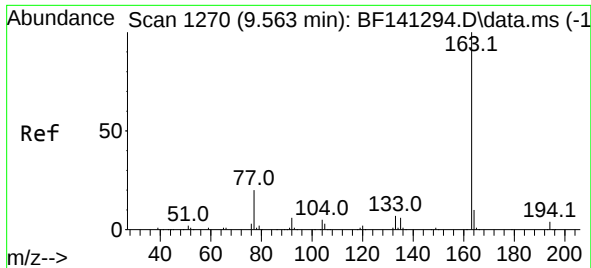
Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 13.8 11.0 16.6

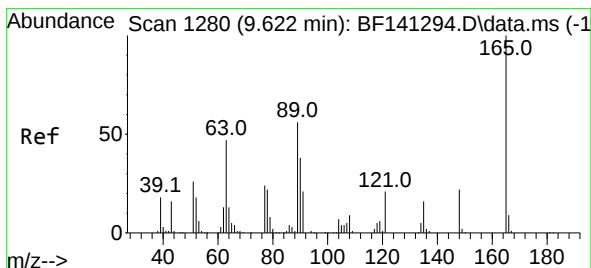
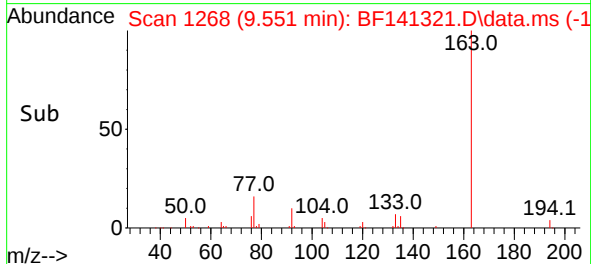
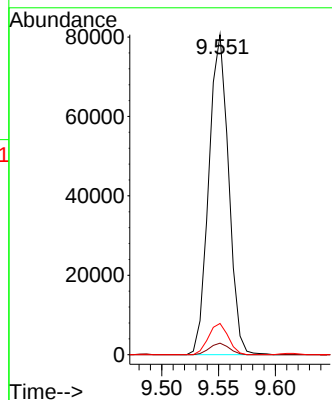
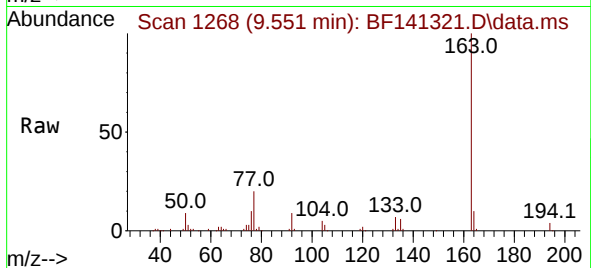




#50
Dimethylphthalate
Concen: 4.263 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

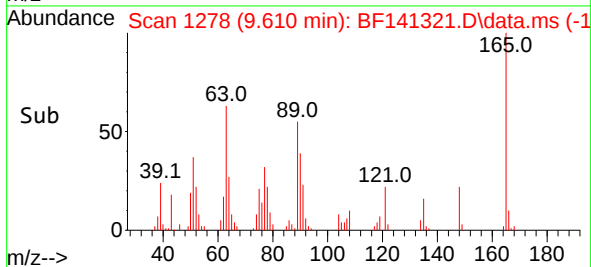
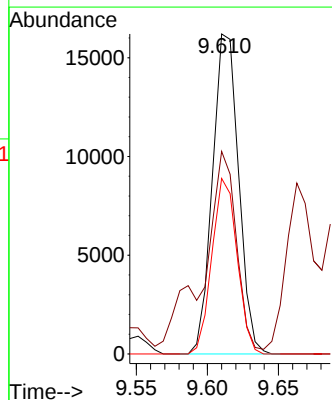
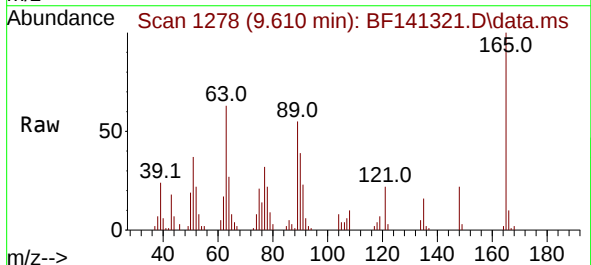
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

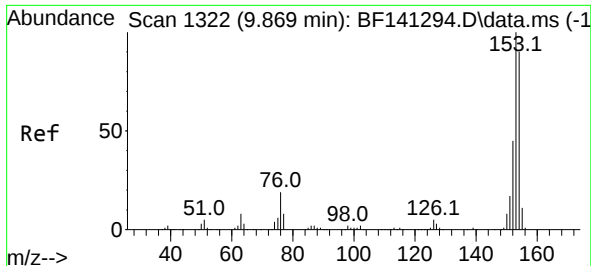
Tgt Ion:163 Resp: 97543
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.8 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 3.904 ng
RT: 9.610 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:165 Resp: 20737
Ion Ratio Lower Upper
165 100
63 63.3 48.1 72.1
89 54.8 44.9 67.3

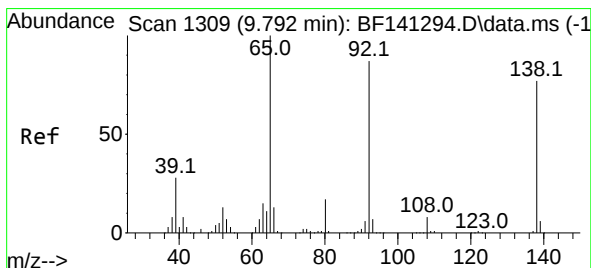
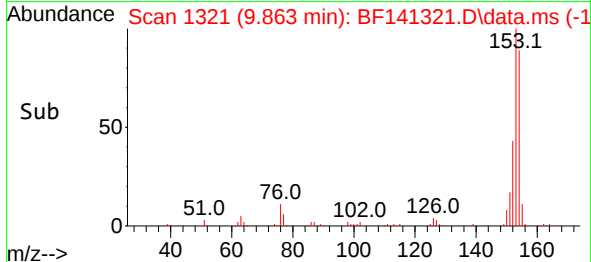
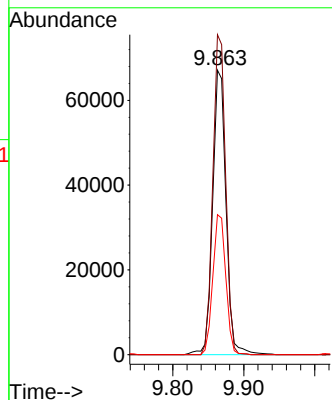
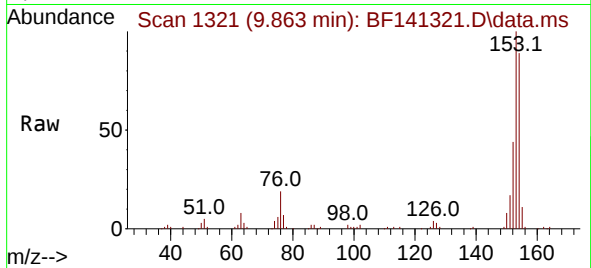




#52
Acenaphthene
Concen: 4.264 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

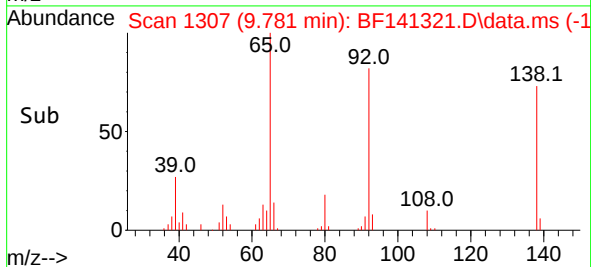
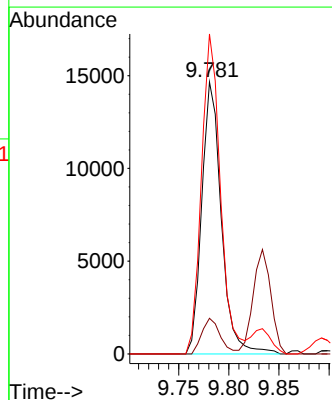
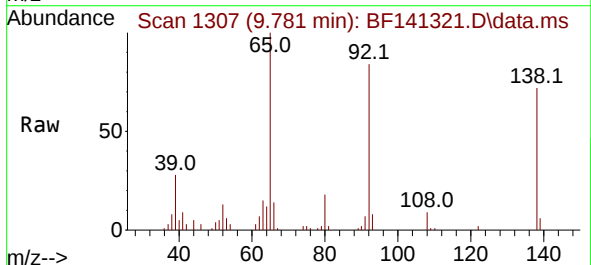
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

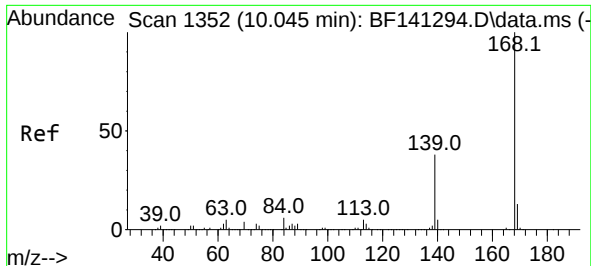
Tgt Ion:154 Resp: 87796
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 49.2 40.2 60.4



#53
3-Nitroaniline
Concen: 3.838 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:138 Resp: 19984
Ion Ratio Lower Upper
138 100
108 13.1 8.6 12.8#
92 117.6 91.0 136.6

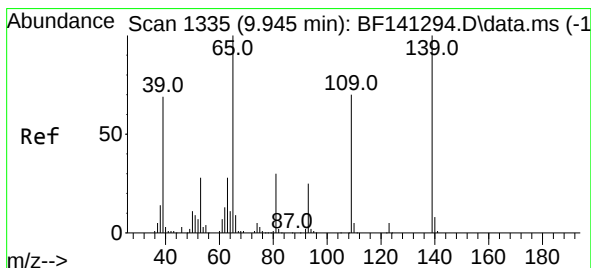
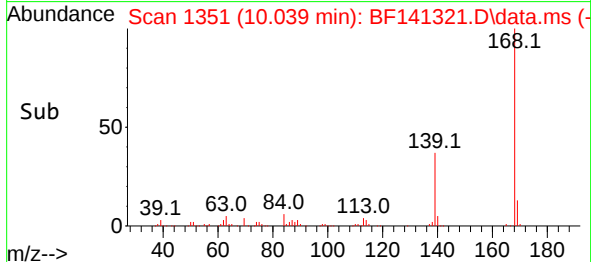
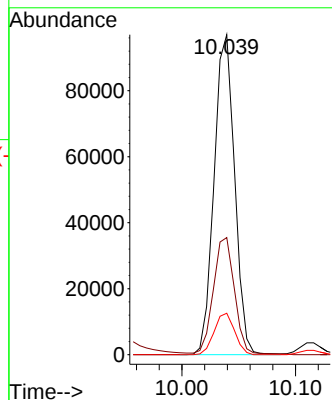
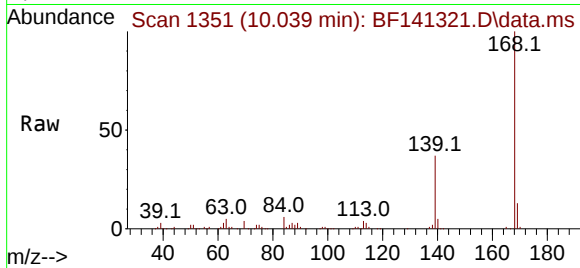




#55
Dibenzenofuran
Concen: 4.418 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

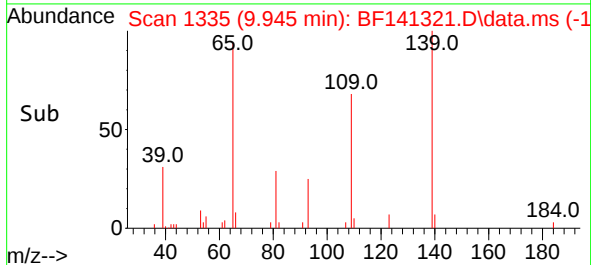
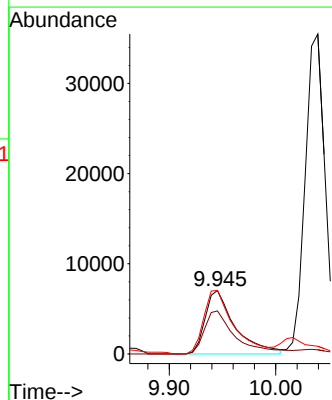
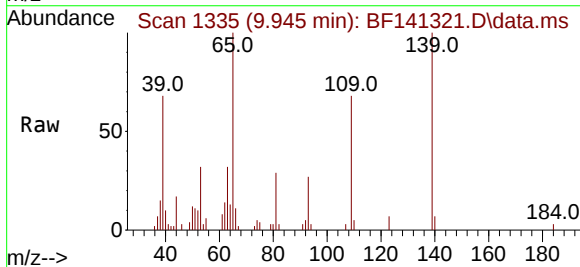
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

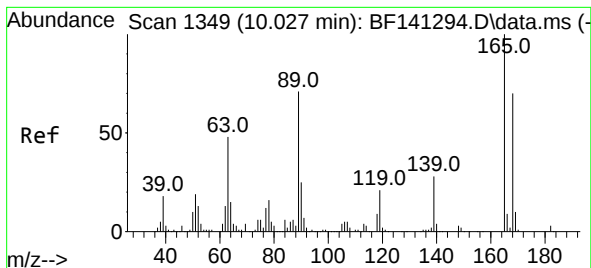
Tgt Ion:168 Resp: 121778
Ion Ratio Lower Upper
168 100
139 36.6 30.6 46.0
169 13.0 10.8 16.2



#56
4-Nitrophenol
Concen: 3.593 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:139 Resp: 13682
Ion Ratio Lower Upper
139 100
109 67.8 50.2 90.2
65 100.0 80.6 120.6

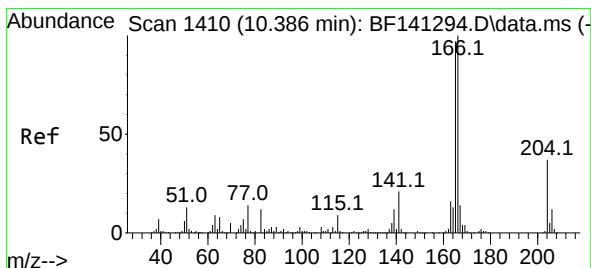
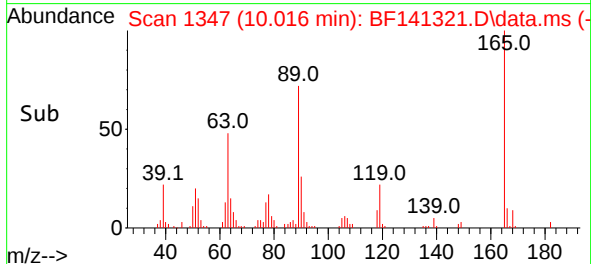
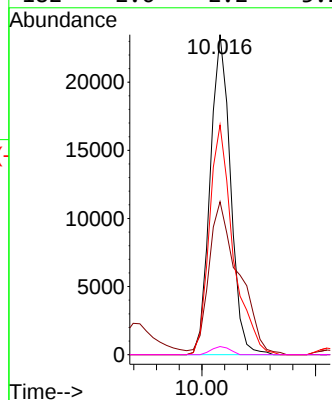
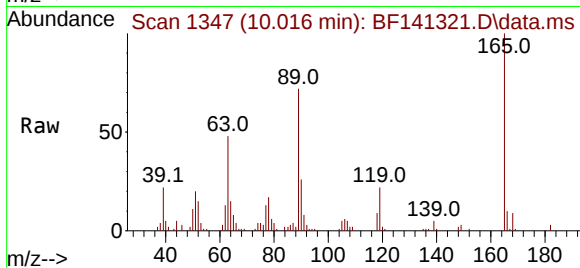




#57
2,4-Dinitrotoluene
Concen: 4.238 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

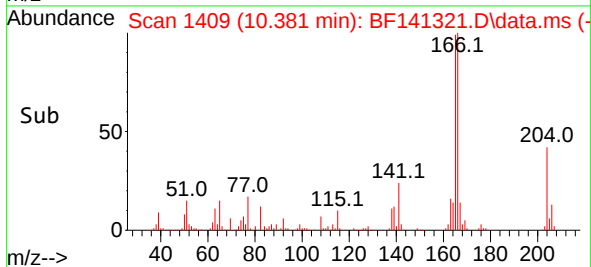
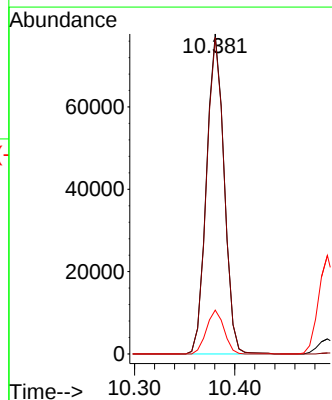
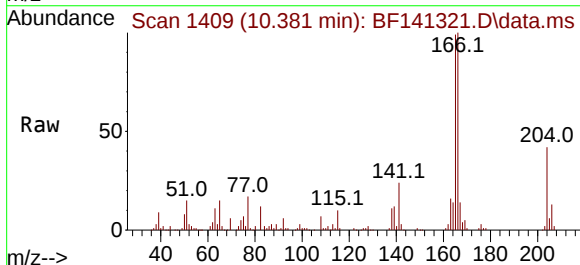
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

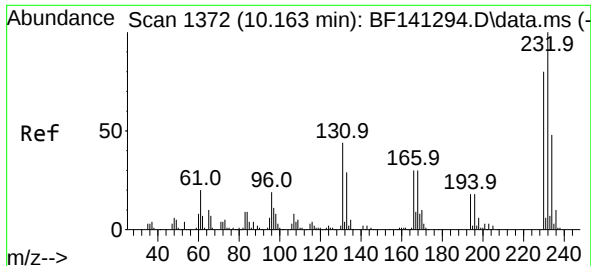
Tgt Ion:	165	Resp:	29150
Ion	Ratio	Lower	Upper
165	100		
63	47.8	39.2	58.8
89	71.8	56.9	85.3
182	2.6	2.2	3.2



#58
Fluorene
Concen: 4.443 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:	166	Resp:	95003
Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.5	116.3
167	13.7	10.9	16.3

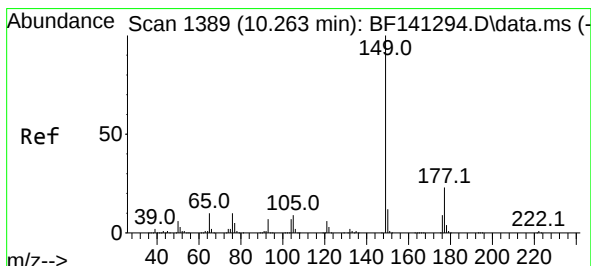
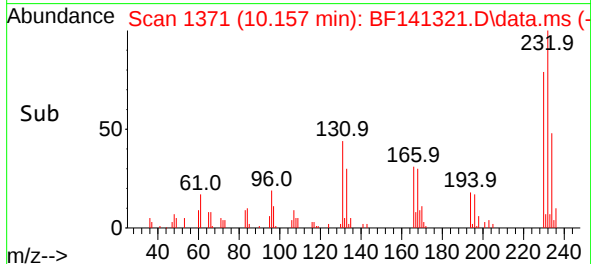
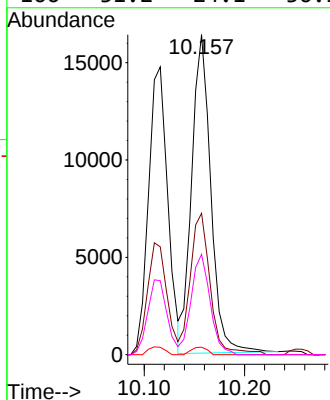
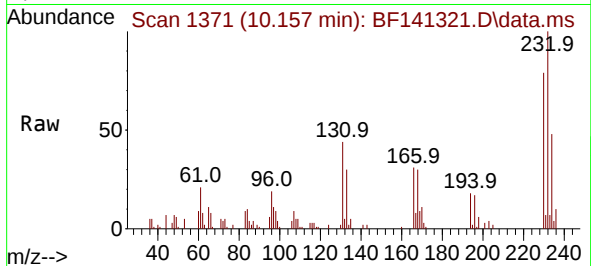




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.032 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

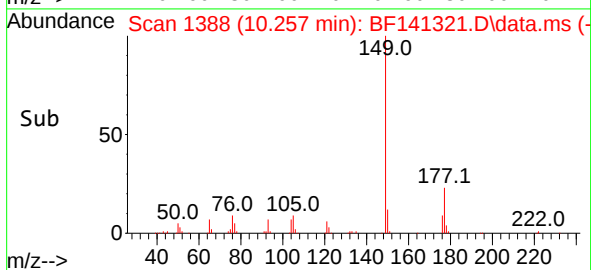
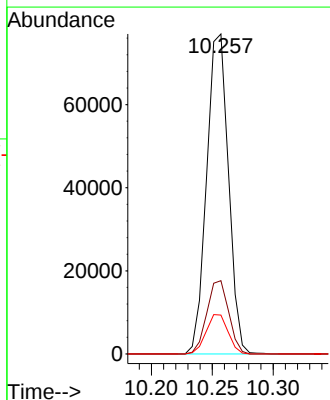
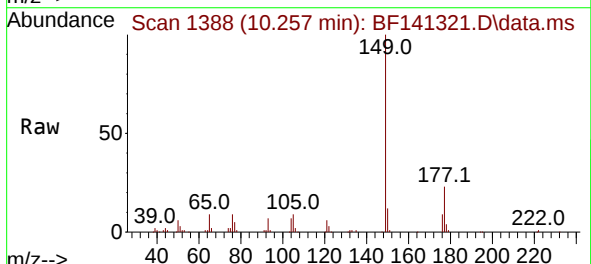
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

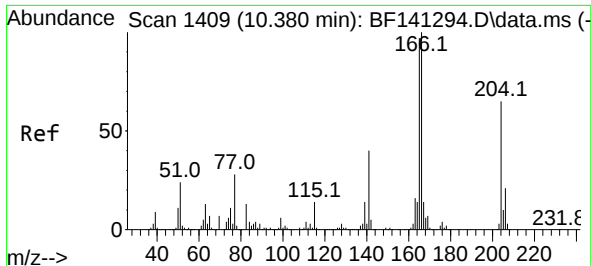
Tgt Ion:232 Resp: 21777
Ion Ratio Lower Upper
232 100
131 46.1 36.4 54.6
130 2.0 1.9 2.9
166 31.2 24.1 36.1



#60
Diethylphthalate
Concen: 4.327 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:149 Resp: 95984
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.2 10.0 15.0

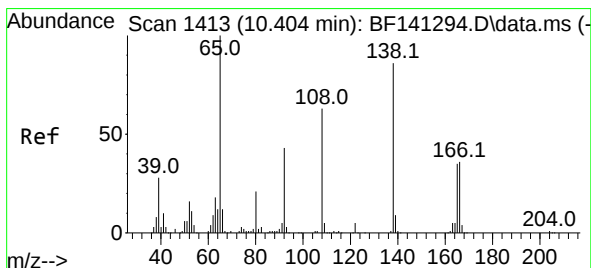
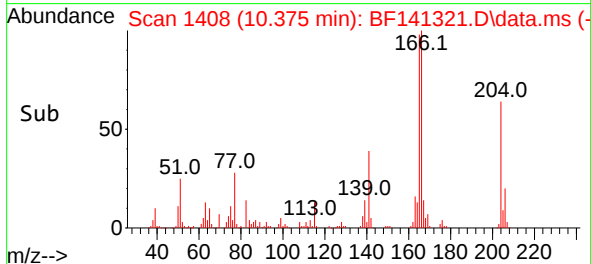
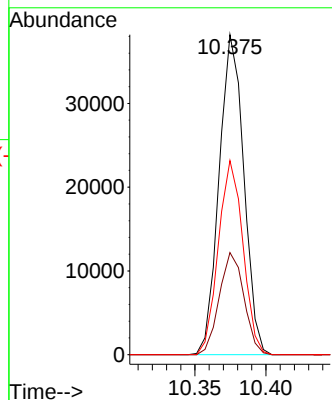
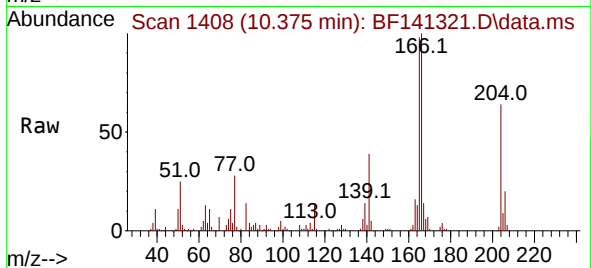




#61
4-Chlorophenyl-phenylether
Concen: 4.418 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

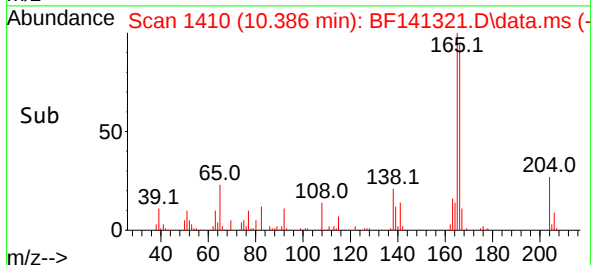
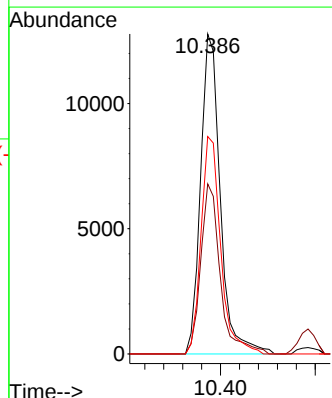
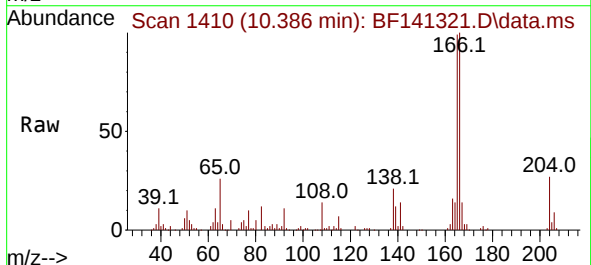
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

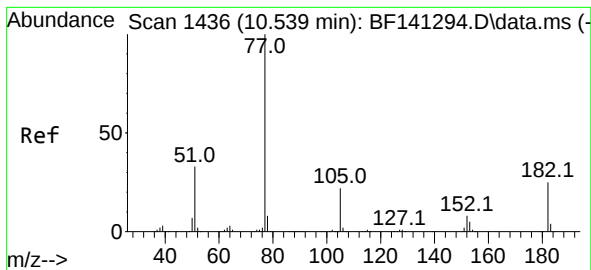
Tgt Ion:204 Resp: 46138
Ion Ratio Lower Upper
204 100
206 31.9 25.9 38.9
141 60.6 49.5 74.3



#62
4-Nitroaniline
Concen: 3.594 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.029 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:138 Resp: 18395
Ion Ratio Lower Upper
138 100
92 53.1 30.1 70.1
108 68.0 53.1 93.1





#63

Azobenzene

Concen: 4.260 ng

RT: 10.534 min Scan# 1436

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 77 Resp: 94603

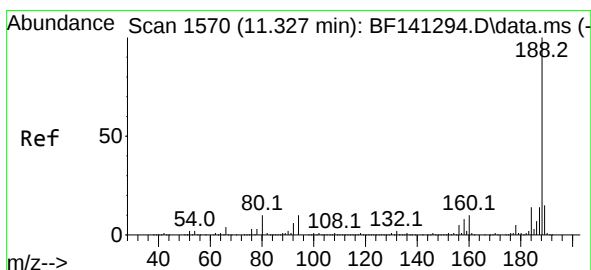
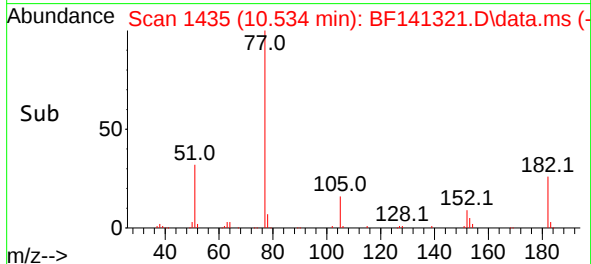
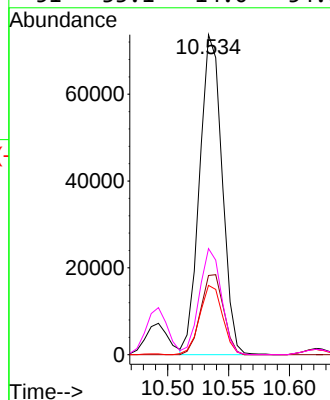
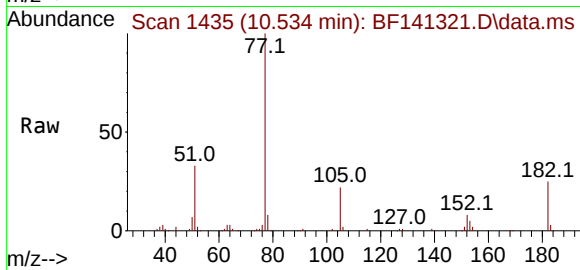
Ion Ratio Lower Upper

77 100

182 24.8 5.1 45.1

105 21.7 1.8 41.8

51 33.1 14.0 54.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

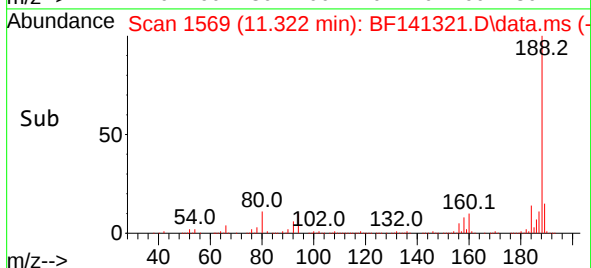
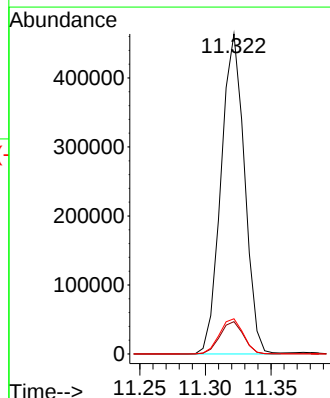
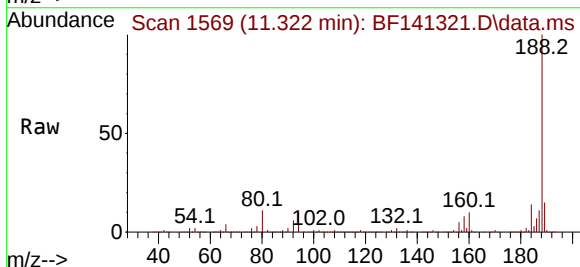
Tgt Ion:188 Resp: 577127

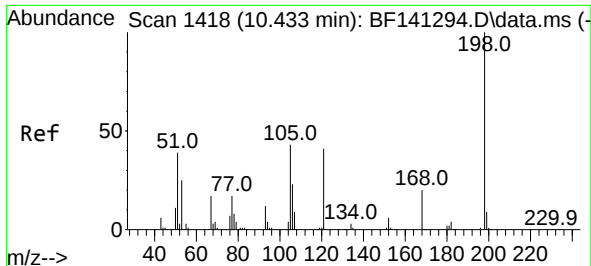
Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

80 11.0 8.2 12.4

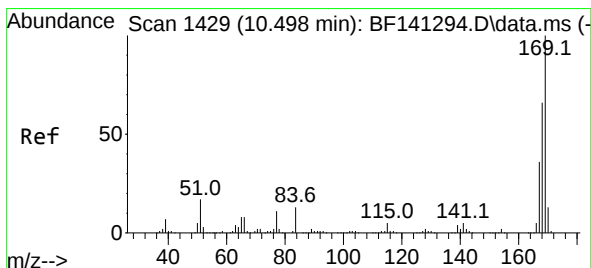
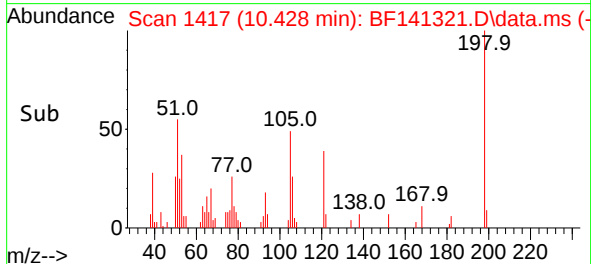
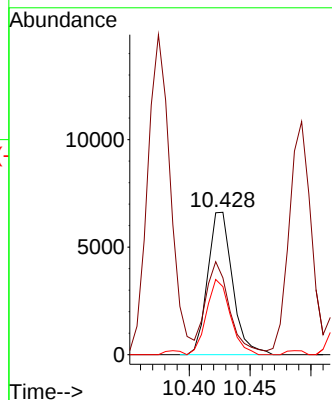
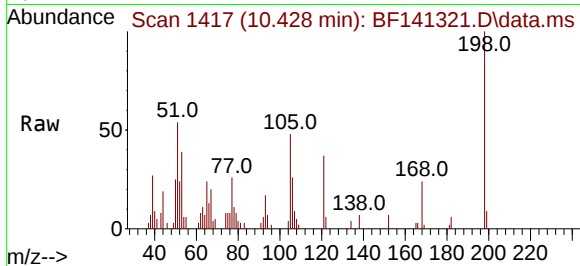




#65
4,6-Dinitro-2-methylphenol
Concen: 2.750 ng
RT: 10.428 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

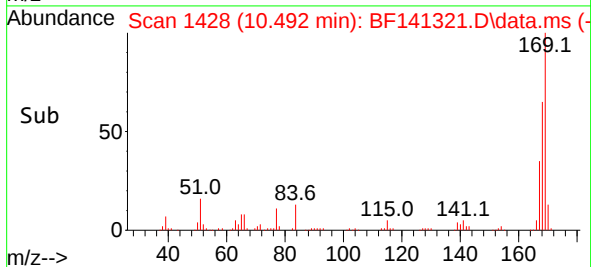
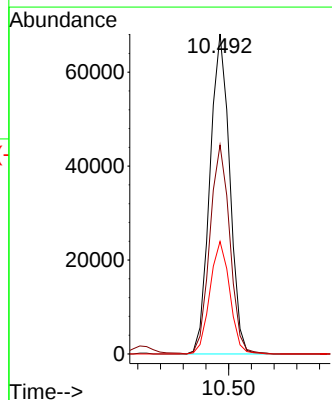
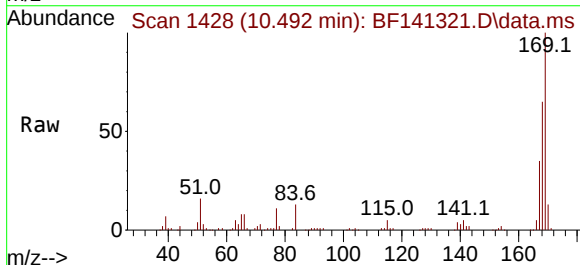
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

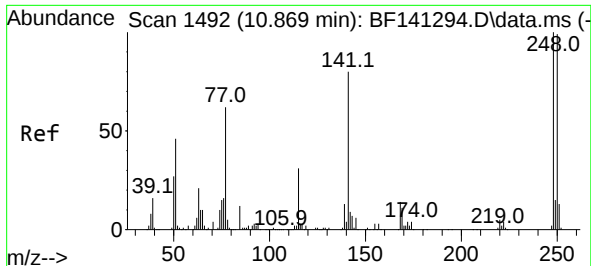
Tgt Ion:198 Resp: 9386
Ion Ratio Lower Upper
198 100
51 54.0 33.4 73.4
105 47.8 24.4 64.4



#66
n-Nitrosodiphenylamine
Concen: 4.405 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:169 Resp: 82224
Ion Ratio Lower Upper
169 100
168 65.3 53.0 79.4
167 35.1 28.8 43.2

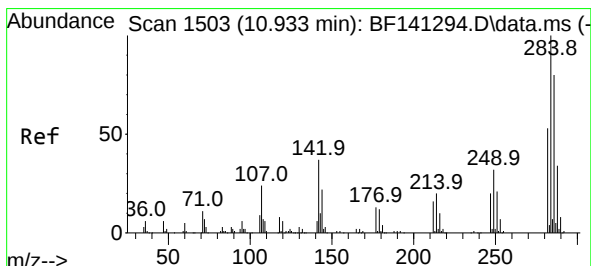
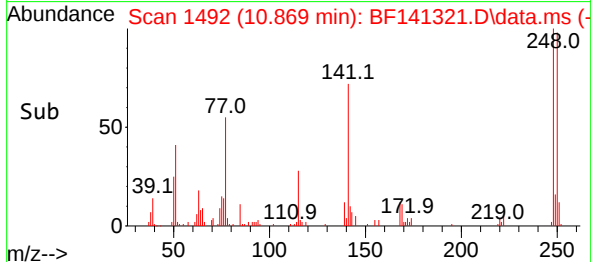
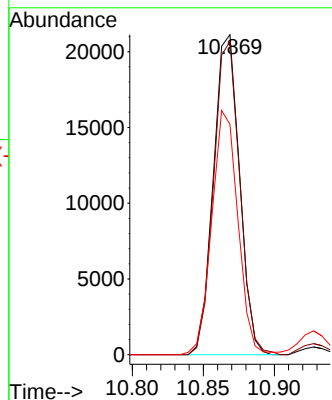
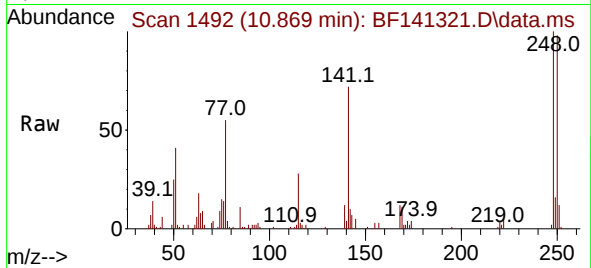




#67
4-Bromophenyl-phenylether
Concen: 4.186 ng
RT: 10.869 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

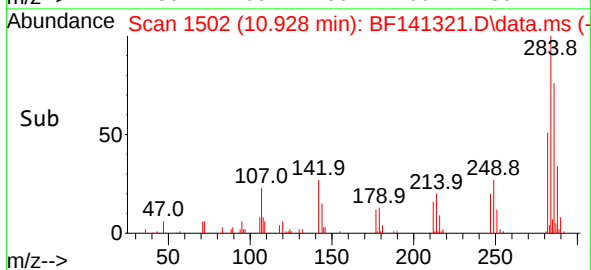
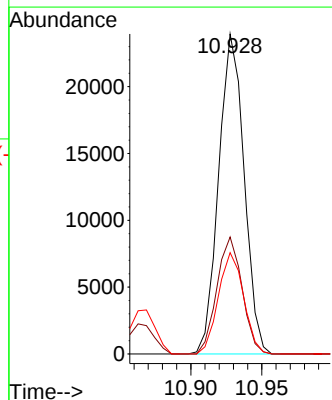
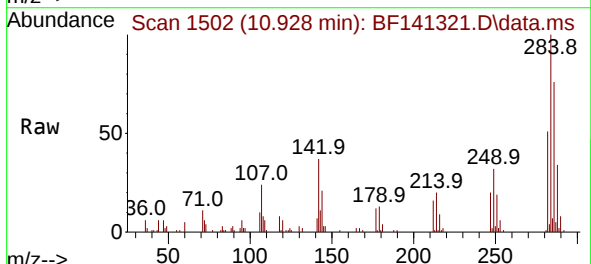
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

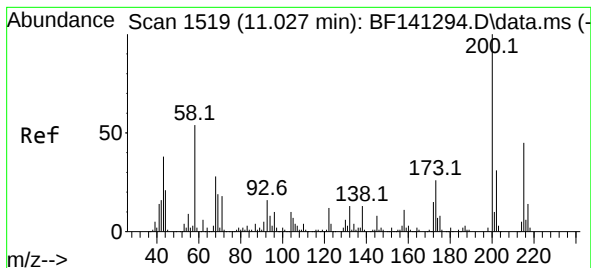
Tgt Ion:248 Resp: 27046
Ion Ratio Lower Upper
248 100
250 97.9 79.0 118.4
141 72.0 63.7 95.5



#68
Hexachlorobenzene
Concen: 4.348 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:284 Resp: 29800
Ion Ratio Lower Upper
284 100
142 36.6 29.5 44.3
249 31.6 25.4 38.2





#69

Atrazine

Concen: 4.258 ng

RT: 11.016 min Scan# 1519

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

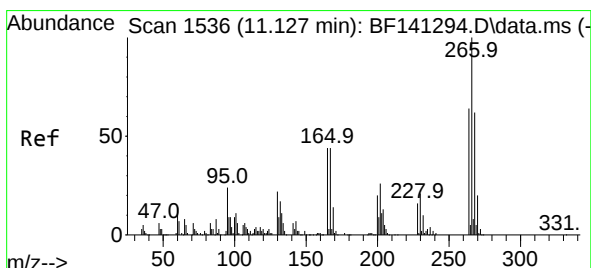
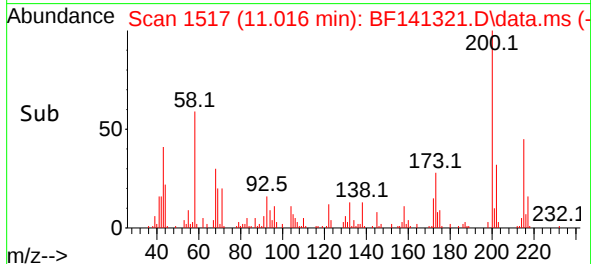
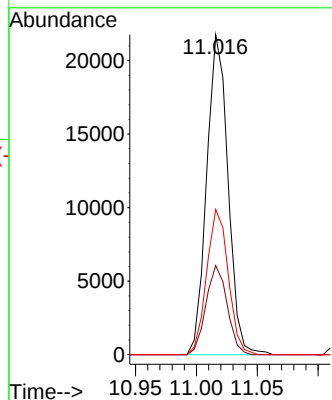
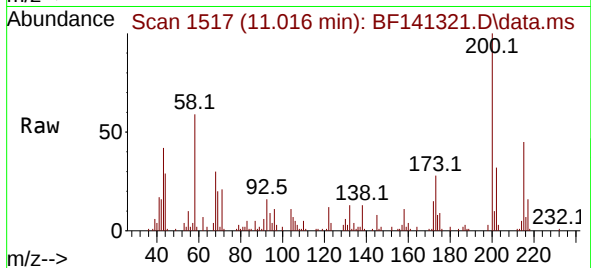
Tgt Ion:200 Resp: 26572

Ion Ratio Lower Upper

200 100

173 27.9 5.9 45.9

215 45.4 25.2 65.2



#70

Pentachlorophenol

Concen: 3.863 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

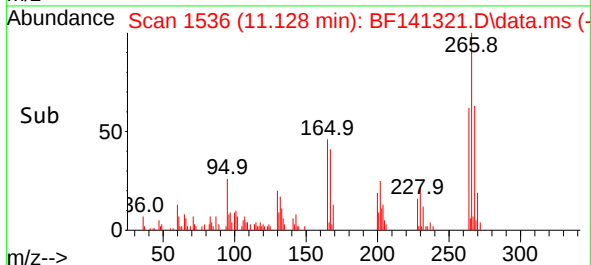
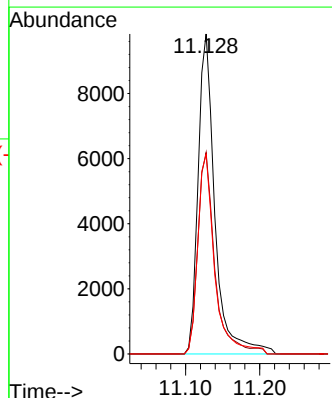
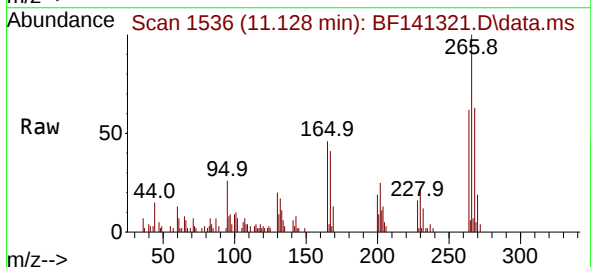
Tgt Ion:266 Resp: 15504

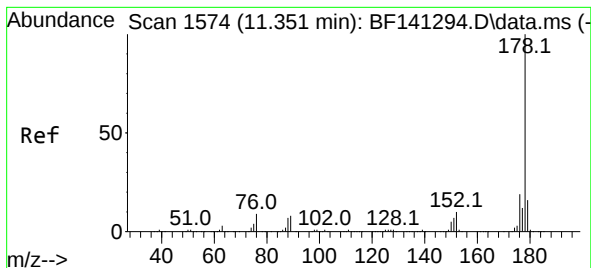
Ion Ratio Lower Upper

266 100

268 62.9 49.9 74.9

264 62.4 51.0 76.4





#71

Phenanthrene

Concen: 4.609 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

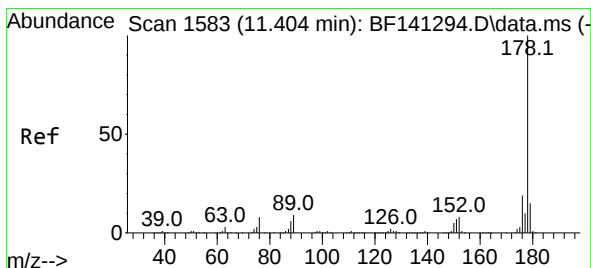
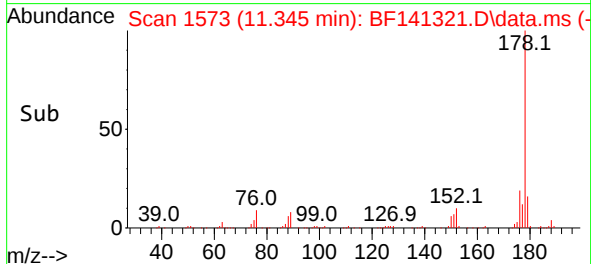
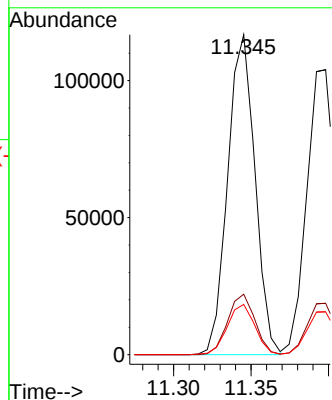
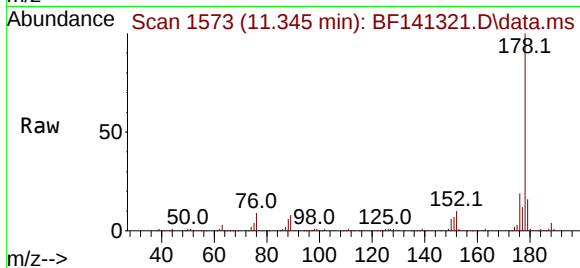
Tgt Ion:178 Resp: 142991

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 4.542 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

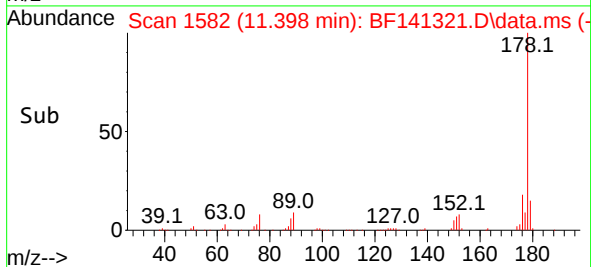
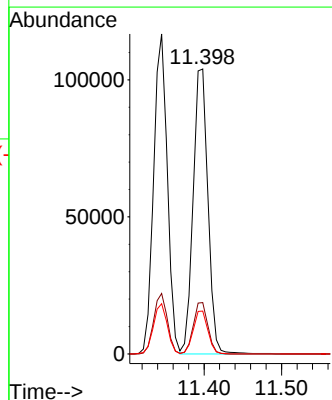
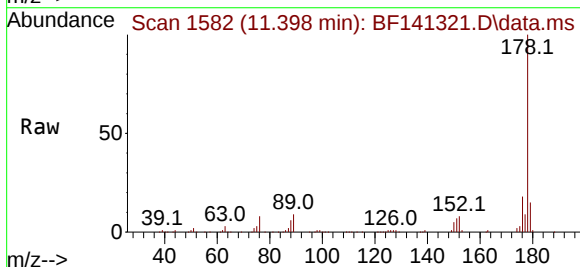
Tgt Ion:178 Resp: 138056

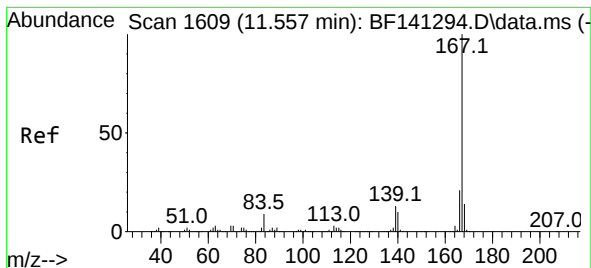
Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

179 15.0 12.3 18.5





#73

Carbazole

Concen: 4.388 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

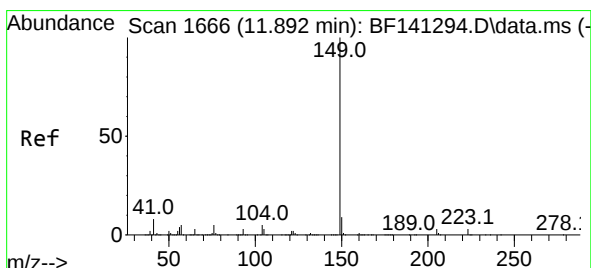
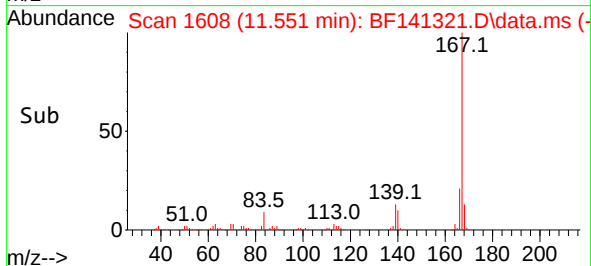
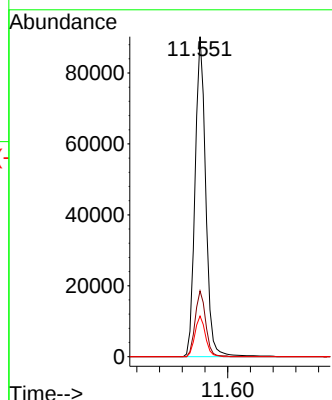
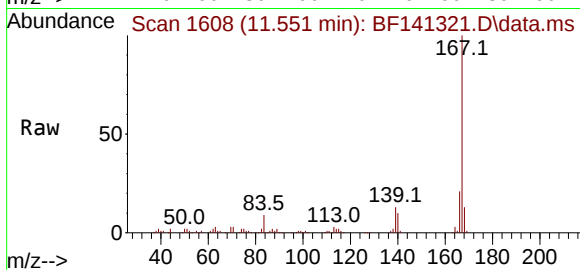
Tgt Ion:167 Resp: 118264

Ion Ratio Lower Upper

167 100

166 20.6 17.0 25.6

139 12.7 10.6 16.0



#74

Di-n-butylphthalate

Concen: 4.765 ng

RT: 11.886 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

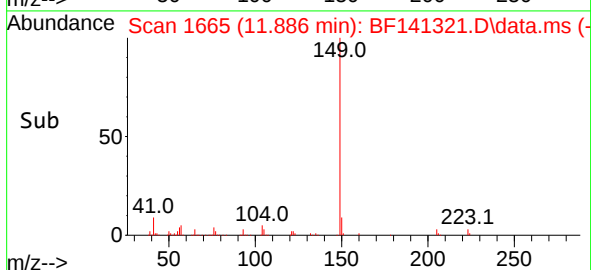
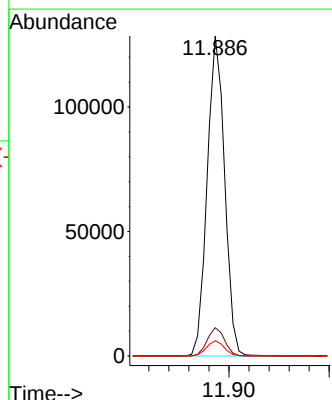
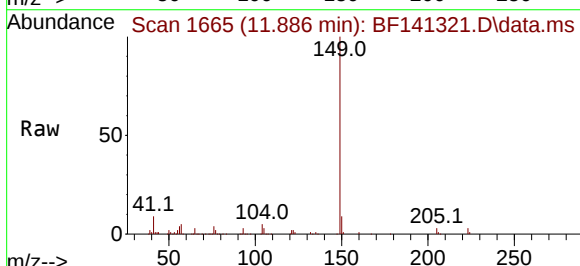
Tgt Ion:149 Resp: 155655

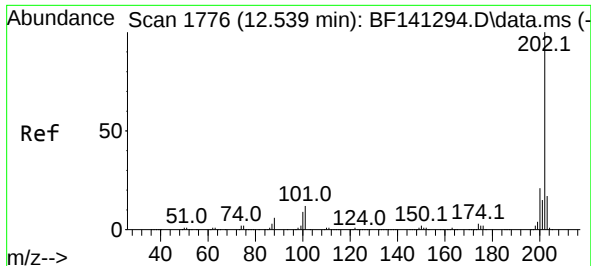
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

104 4.8 3.9 5.9

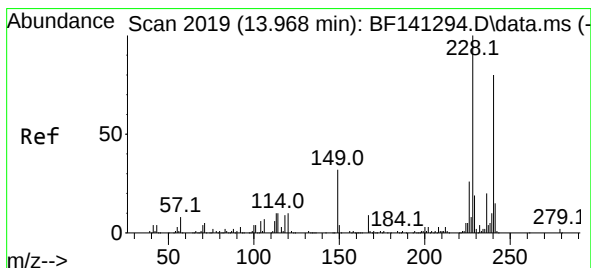
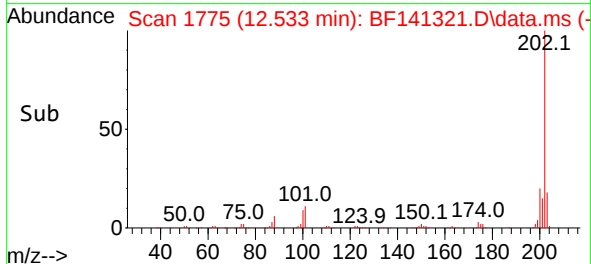
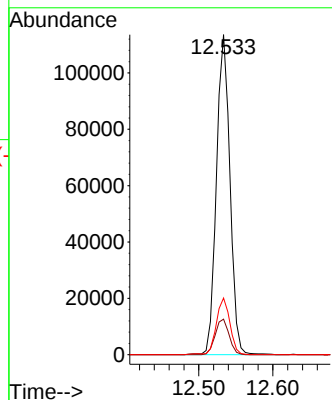
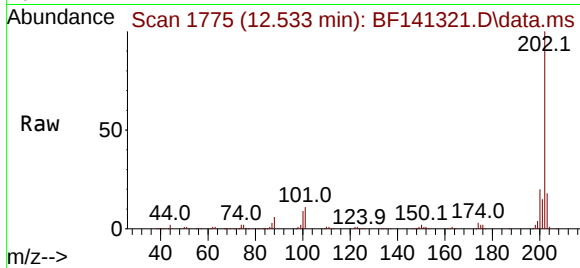




#75
Fluoranthene
Concen: 4.683 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

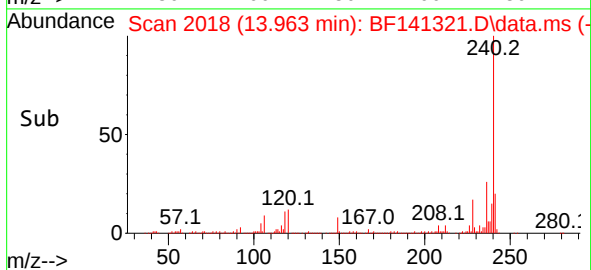
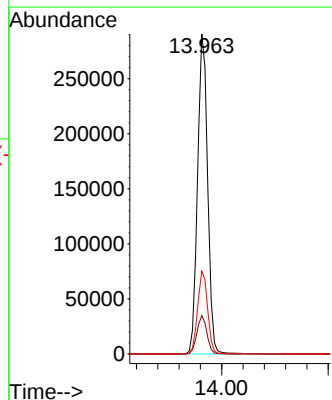
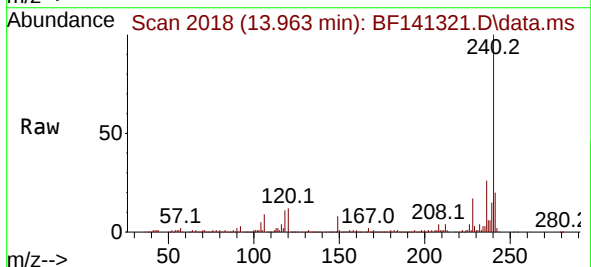
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

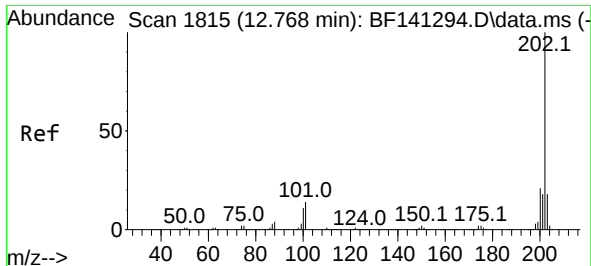
Tgt Ion:202 Resp: 143458
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.7
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:240 Resp: 381814
Ion Ratio Lower Upper
240 100
120 12.0 10.0 15.0
236 25.9 19.7 29.5

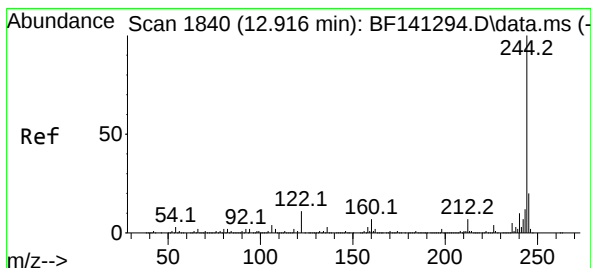
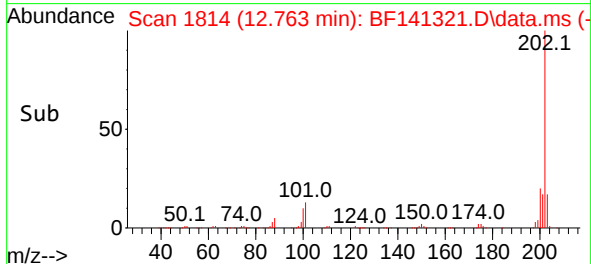
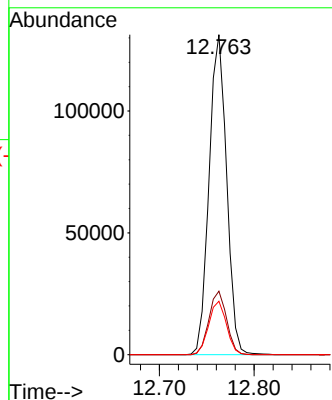
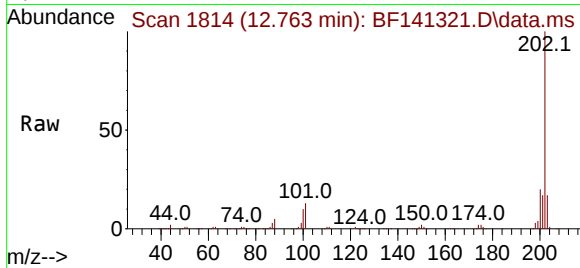




#78
 Pyrene
 Concen: 4.591 ng
 RT: 12.763 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

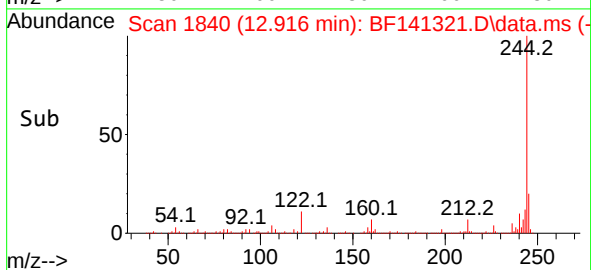
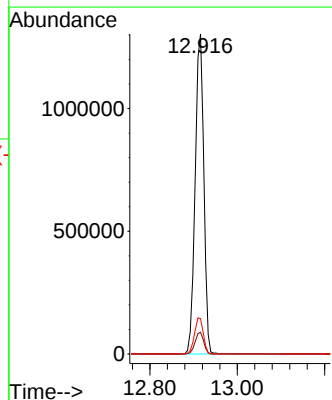
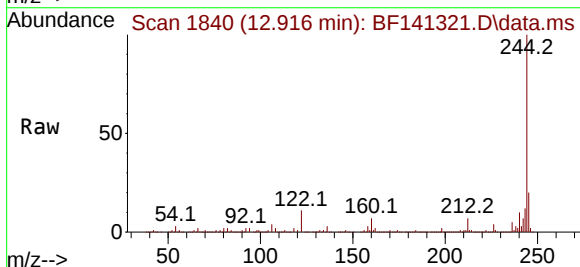
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

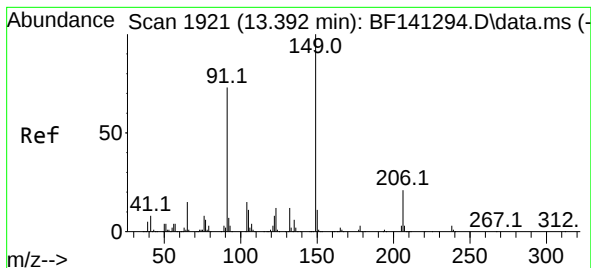
Tgt Ion:202 Resp: 168272
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.4
 203 16.7 14.3 21.5



#79
 Terphenyl-d14
 Concen: 72.486 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

Tgt Ion:244 Resp: 1794606
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.1 8.8 13.2





#80

Butylbenzylphthalate

Concen: 4.210 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

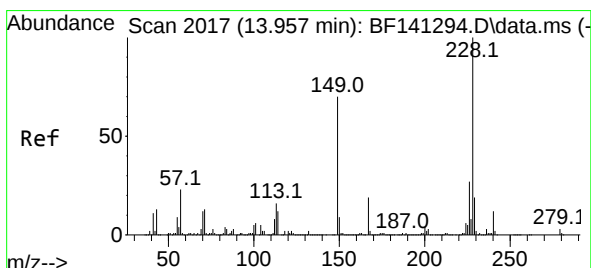
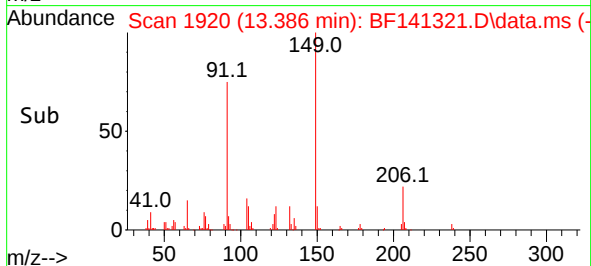
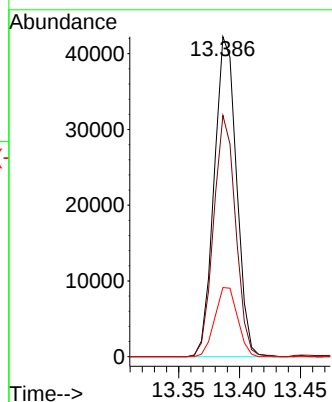
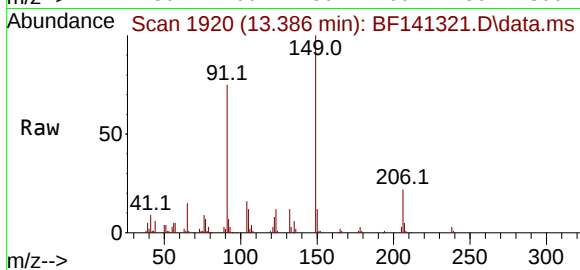
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:	149	Resp:	53902
Ion Ratio	Lower	Upper	
149	100		
91	75.4	58.6	87.8
206	21.6	16.7	25.1



#81

Benzo(a)anthracene

Concen: 4.376 ng

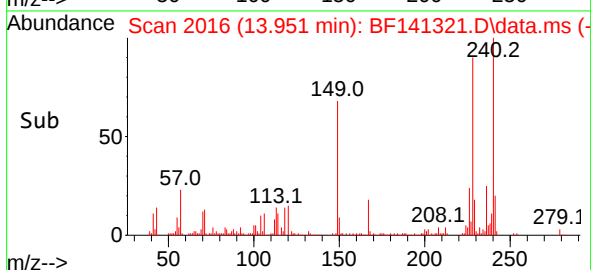
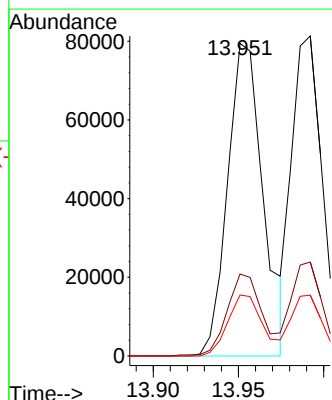
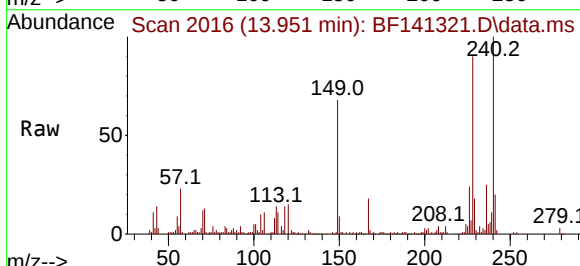
RT: 13.951 min Scan# 2016

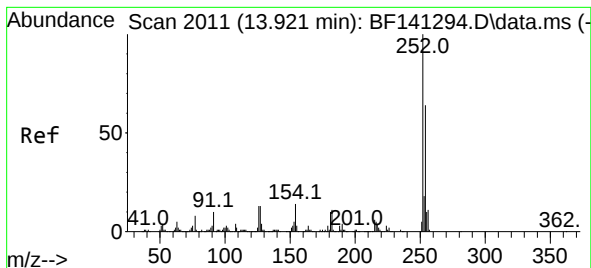
Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:	228	Resp:	115289
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.4	32.2
229	19.5	15.5	23.3





#82

3,3'-Dichlorobenzidine

Concen: 3.256 ng

RT: 13.922 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

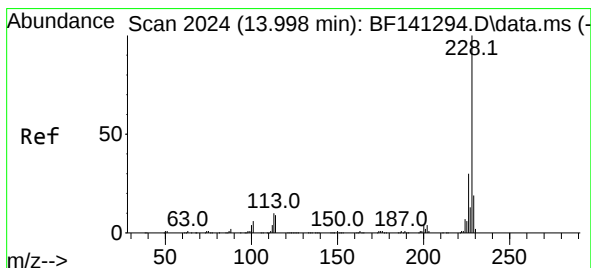
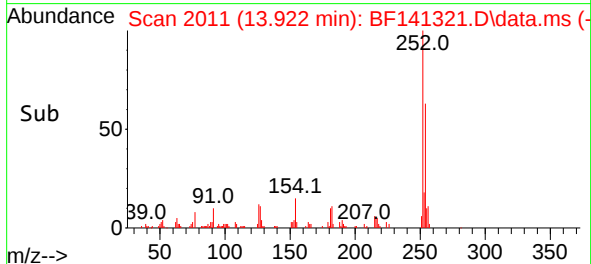
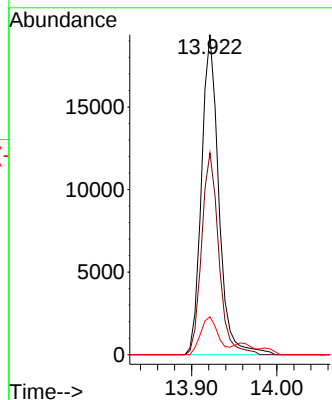
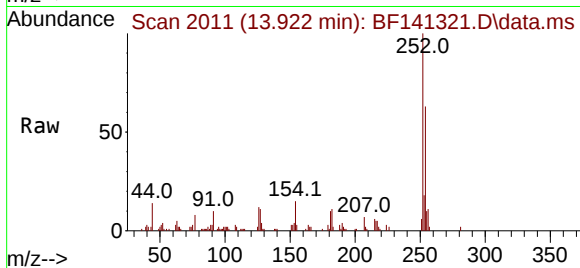
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:252	Resp:	27287
Ion Ratio	Lower	Upper
252	100	
254	63.1	51.3 76.9
126	11.8	10.0 15.0



#83

Chrysene

Concen: 4.168 ng

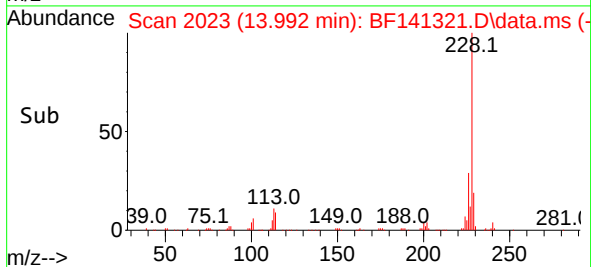
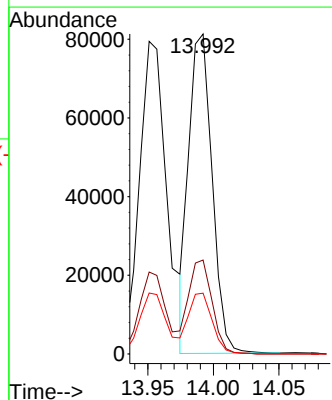
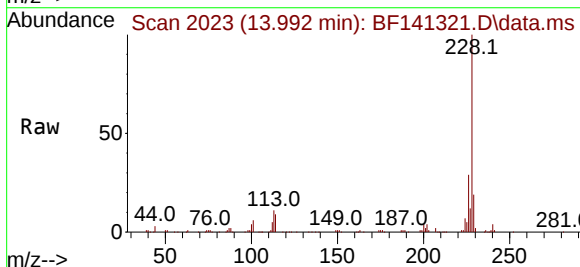
RT: 13.992 min Scan# 2023

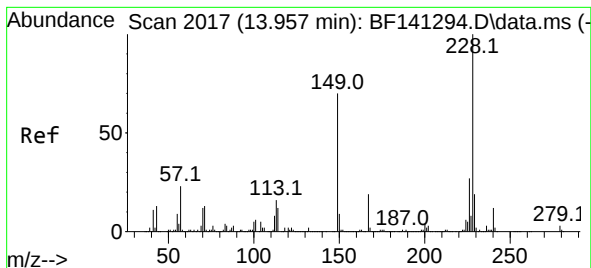
Delta R.T. -0.006 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Tgt Ion:228	Resp:	100641
Ion Ratio	Lower	Upper
228	100	
226	29.3	24.1 36.1
229	19.0	15.6 23.4

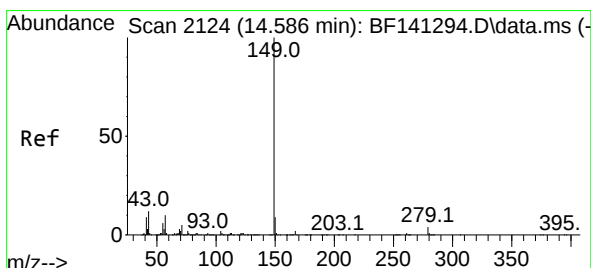
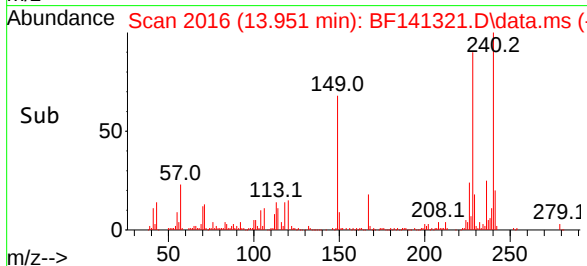
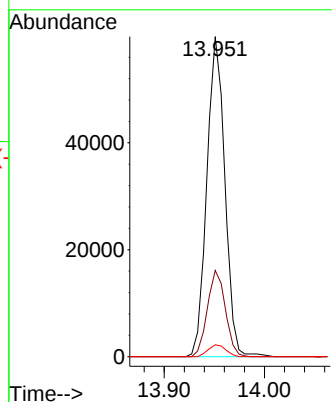
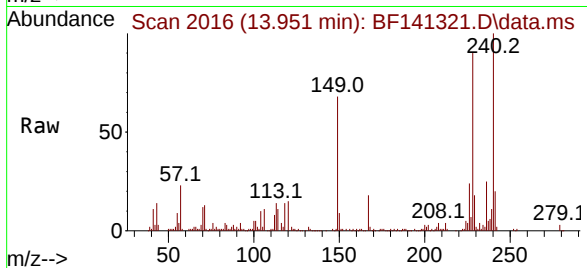




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.613 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

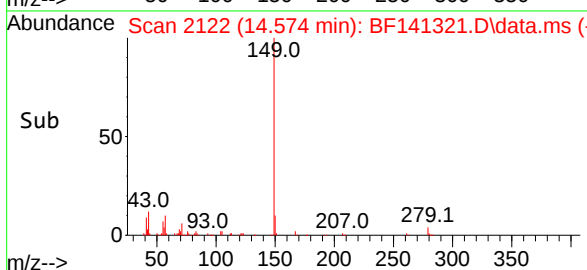
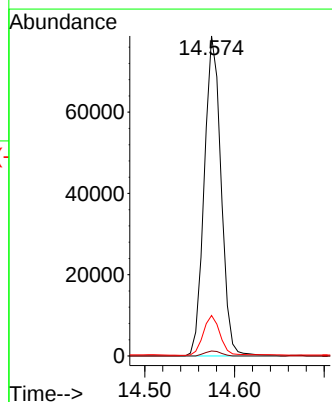
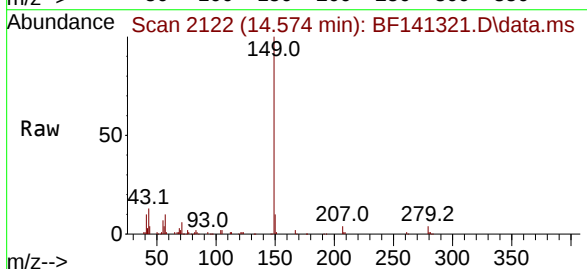
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2025

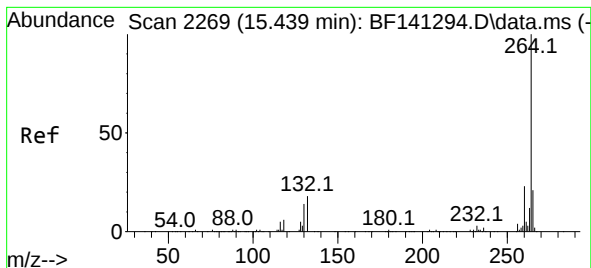
Tgt Ion:149 Resp: 74924
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.7 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.066 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BF141321.D
Acq: 31 Jan 2025 10:15

Tgt Ion:149 Resp: 102575
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.4 9.8 14.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

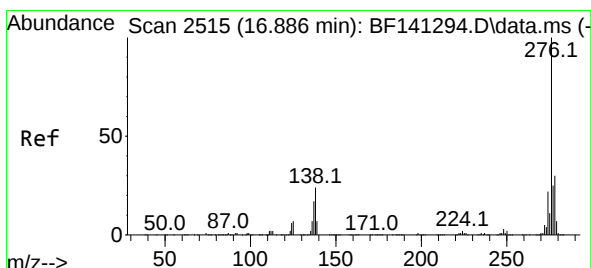
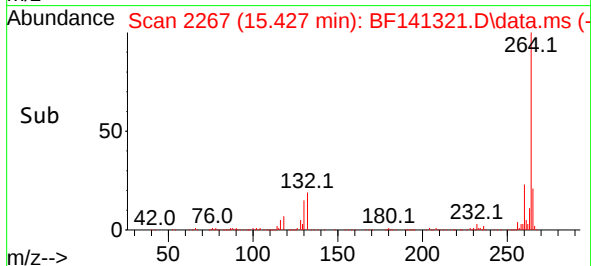
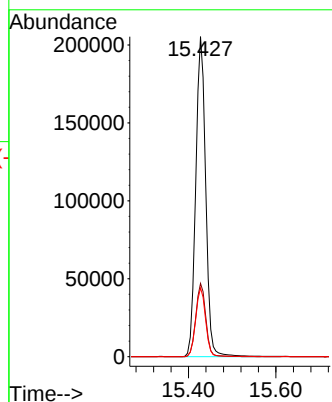
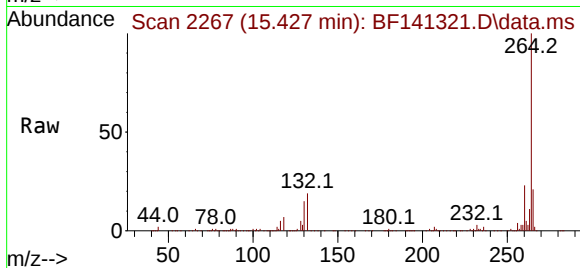
Tgt Ion:264 Resp: 325467

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.5 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.653 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.029 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

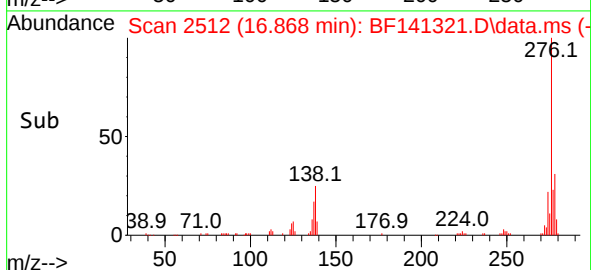
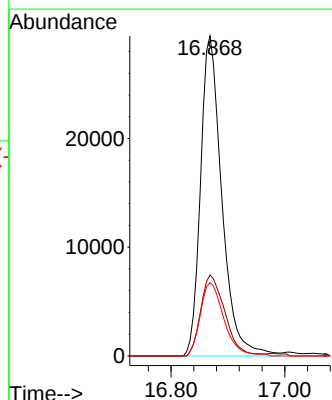
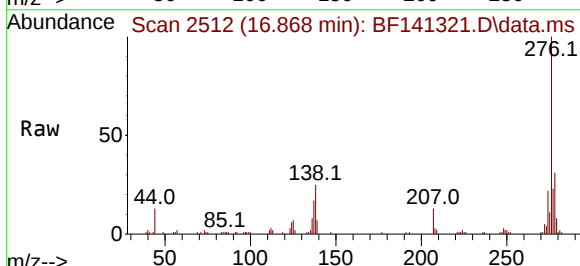
Tgt Ion:276 Resp: 76731

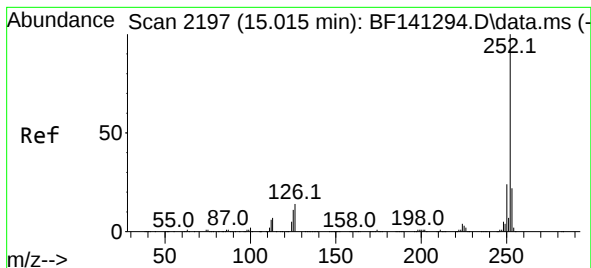
Ion Ratio Lower Upper

276 100

138 28.6 21.7 32.5

277 25.3 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 3.968 ng

RT: 15.004 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

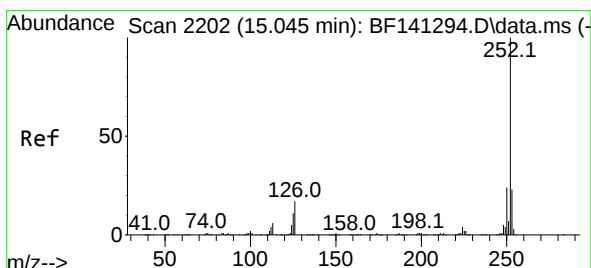
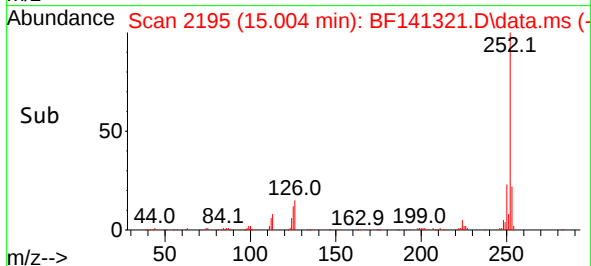
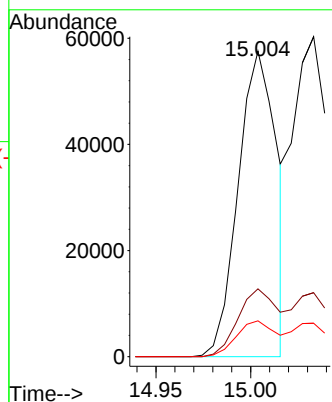
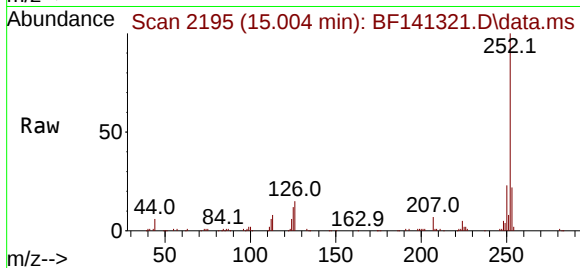
Tgt Ion:252 Resp: 81244

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 11.7 8.6 12.8



#89

Benzo(k)fluoranthene

Concen: 4.899 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

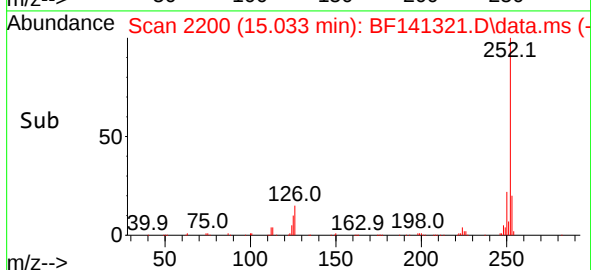
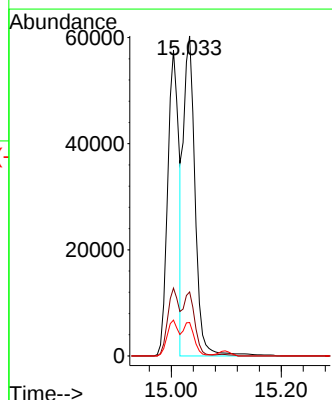
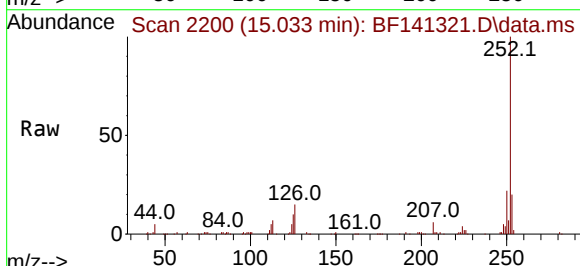
Tgt Ion:252 Resp: 88845

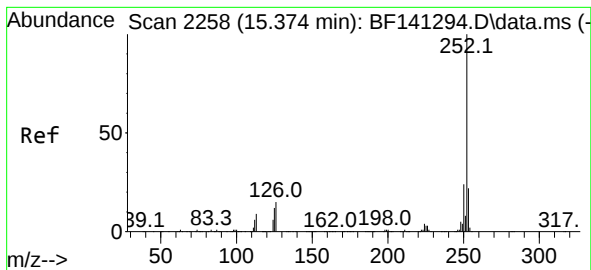
Ion Ratio Lower Upper

252 100

253 20.0 17.6 26.4

125 10.4 8.4 12.6





#90

Benzo(a)pyrene

Concen: 4.288 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2025

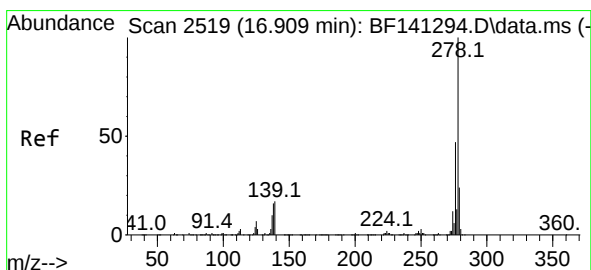
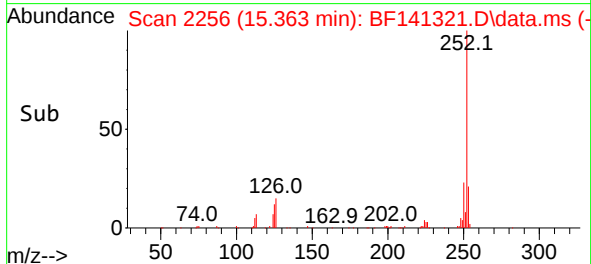
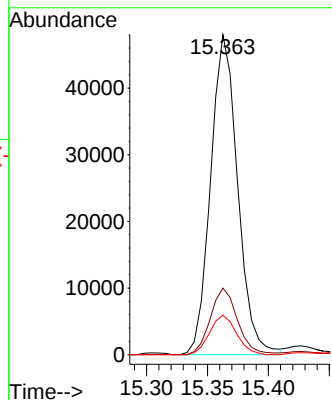
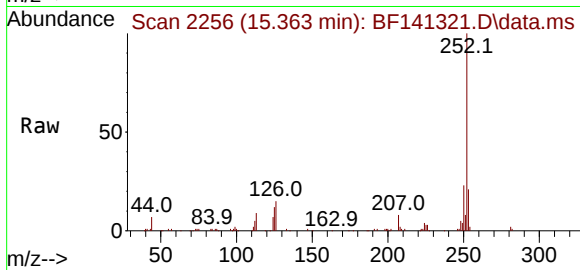
Tgt Ion:252 Resp: 74178

Ion Ratio Lower Upper

252 100

253 20.8 17.2 25.8

125 12.3 9.4 14.2



#91

Dibenzo(a,h)anthracene

Concen: 3.465 ng

RT: 16.886 min Scan# 2515

Delta R.T. -0.035 min

Lab File: BF141321.D

Acq: 31 Jan 2025 10:15

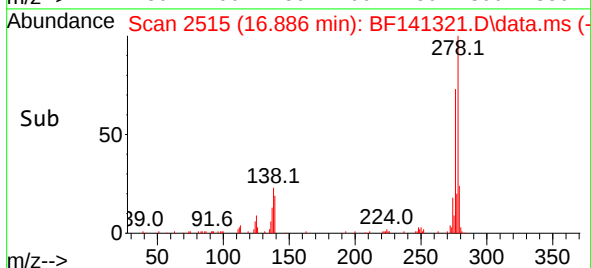
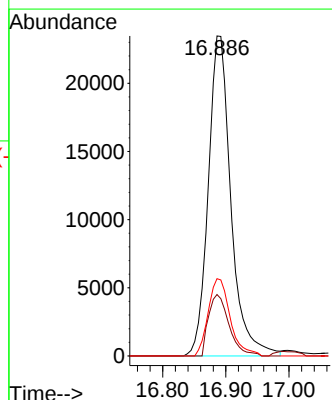
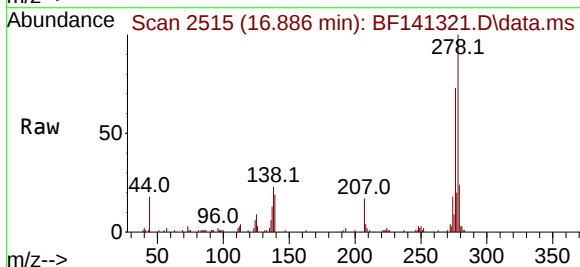
Tgt Ion:278 Resp: 58559

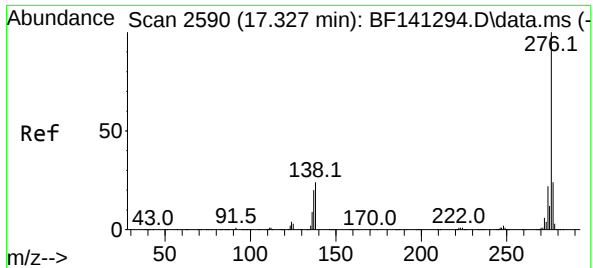
Ion Ratio Lower Upper

278 100

139 19.2 13.9 20.9

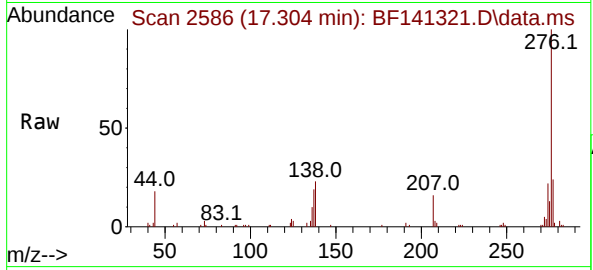
279 24.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.506 ng
 RT: 17.304 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF141321.D
 Acq: 31 Jan 2025 10:15

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion: 276 Resp: 61611

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	22.6	19.0	28.4

