

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143151.D
 Acq On : 17 Jul 2025 16:36
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-SOIL-8PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 17 16:53:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	154997	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	587487	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	305985	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	502822	20.000	ng	0.00
76) Chrysene-d12	14.116	240	300380	20.000	ng	0.00
86) Perylene-d12	15.621	264	307175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1069276	109.169	ng	0.00
7) Phenol-d6	6.587	99	1384725	112.320	ng	0.00
23) Nitrobenzene-d5	7.516	82	907139	76.969	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	384774	121.725	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1635298	73.091	ng	0.00
79) Terphenyl-d14	13.069	244	1521252	75.364	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.804	88	33532	7.235	ng	97
3) Pyridine	3.610	79	86964	7.229	ng	99
4) n-Nitrosodimethylamine	3.504	42	45753	7.367	ng	# 98
6) Aniline	6.622	93	130123	7.573	ng	100
8) 2-Chlorophenol	6.751	128	78579	7.654	ng	97
9) Benzaldehyde	6.510	77	72152	7.805	ng	99
10) Phenol	6.598	94	106127	7.902	ng	86
11) bis(2-Chloroethyl)ether	6.692	93	79868	7.767	ng	99
12) 1,3-Dichlorobenzene	6.904	146	87134	7.813	ng	99
13) 1,4-Dichlorobenzene	6.981	146	90595	8.066	ng	98
14) 1,2-Dichlorobenzene	7.134	146	85263	7.981	ng	99
15) Benzyl Alcohol	7.087	79	72125	7.662	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	151618	7.948	ng	99
17) 2-Methylphenol	7.198	107	66605	7.716	ng	98
18) Hexachloroethane	7.481	117	30200	7.767	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	62094	7.851	ng	96
20) 3+4-Methylphenols	7.351	107	86355	8.245	ng	# 88
22) Acetophenone	7.357	105	118546	8.523	ng	98
24) Nitrobenzene	7.534	77	88252	8.032	ng	99
25) Isophorone	7.769	82	164247	7.894	ng	100
26) 2-Nitrophenol	7.851	139	35893	7.527	ng	99
27) 2,4-Dimethylphenol	7.881	122	72125	7.420	ng	100
28) bis(2-Chloroethoxy)met...	7.981	93	100149	8.028	ng	99
29) 2,4-Dichlorophenol	8.086	162	64179	7.829	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	71627	8.088	ng	98
31) Naphthalene	8.263	128	239079	8.263	ng	98
32) Benzoic acid	7.928	122	24045	9.096	ng	96
33) 4-Chloroaniline	8.304	127	94071	7.963	ng	99
34) Hexachlorobutadiene	8.386	225	43149	7.976	ng	99
35) Caprolactam	8.628	113	18120	7.315	ng	97
36) 4-Chloro-3-methylphenol	8.769	107	70290	7.889	ng	98
37) 2-Methylnaphthalene	8.951	142	146198	8.304	ng	99
38) 1-Methylnaphthalene	9.051	142	150221	8.286	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	73643	8.336	ng	99
41) Hexachlorocyclopentadiene	9.116	237	32137	5.591	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	45767	7.486	ng	98

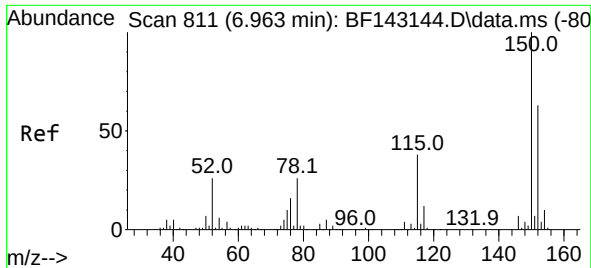
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	49577	8.106	ng	99
46) 1,1'-Biphenyl	9.416	154	202912	8.500	ng	99
47) 2-Chloronaphthalene	9.439	162	145627	8.244	ng	99
48) 2-Nitroaniline	9.522	65	41425	7.478	ng	93
49) Acenaphthylene	9.857	152	243708	8.233	ng	99
50) Dimethylphthalate	9.704	163	165299	8.288	ng	99
51) 2,6-Dinitrotoluene	9.763	165	31049	7.652	ng	94
52) Acenaphthene	10.028	154	145018	8.288	ng	100
53) 3-Nitroaniline	9.933	138	35772	7.538	ng	96
54) 2,4-Dinitrophenol	10.033	184	7416	10.361	ng #	1
55) Dibenzofuran	10.198	168	215648	8.302	ng	99
56) 4-Nitrophenol	10.075	139	25291	7.137	ng	99
57) 2,4-Dinitrotoluene	10.163	165	39370	7.734	ng	100
58) Fluorene	10.545	166	168095	8.622	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	40754	8.044	ng	98
60) Diethylphthalate	10.410	149	158560	8.043	ng	100
61) 4-Chlorophenyl-phenyle...	10.533	204	80551	8.298	ng	98
62) 4-Nitroaniline	10.539	138	31964	7.859	ng	97
63) Azobenzene	10.698	77	166946	8.125	ng	100
65) 4,6-Dinitro-2-methylph...	10.575	198	13436	9.935	ng	96
66) n-Nitrosodiphenylamine	10.651	169	142051	8.023	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	47760	7.970	ng	96
68) Hexachlorobenzene	11.092	284	49825	7.955	ng	98
69) Atrazine	11.169	200	37459	7.674	ng	98
70) Pentachlorophenol	11.280	266	24928	6.768	ng	98
71) Phenanthrene	11.504	178	221308	8.289	ng	99
72) Anthracene	11.557	178	219064	8.045	ng	99
73) Carbazole	11.704	167	194052	8.162	ng	99
74) Di-n-butylphthalate	12.039	149	210820	7.836	ng	99
75) Fluoranthene	12.692	202	202300	8.255	ng	99
77) Benzidine	12.804	184	82554	7.133	ng	97
78) Pyrene	12.921	202	203242	7.928	ng	100
80) Butylbenzylphthalate	13.539	149	53651	6.834	ng	98
81) Benzo(a)anthracene	14.110	228	158193	7.866	ng	99
82) 3,3'-Dichlorobenzidine	14.063	252	48451	7.229	ng	99
83) Chrysene	14.145	228	136415	7.545	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	83220	7.004	ng	99
85) Di-n-octyl phthalate	14.715	149	139958	6.498	ng	100
87) Indeno(1,2,3-cd)pyrene	17.145	276	164329	7.587	ng	99
88) Benzo(b)fluoranthene	15.174	252	139123	7.414	ng	99
89) Benzo(k)fluoranthene	15.204	252	139146	8.309	ng	99
90) Benzo(a)pyrene	15.551	252	131757	7.621	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	133923	7.596	ng	99
92) Benzo(g,h,i)perylene	17.604	276	127643	7.485	ng	100

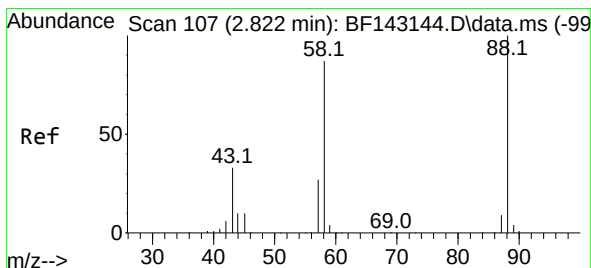
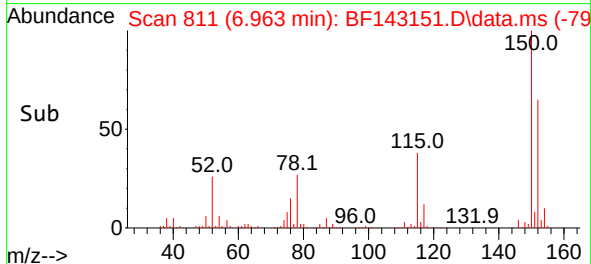
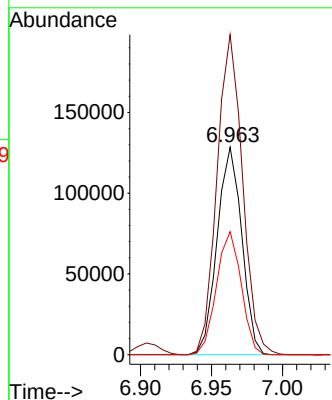
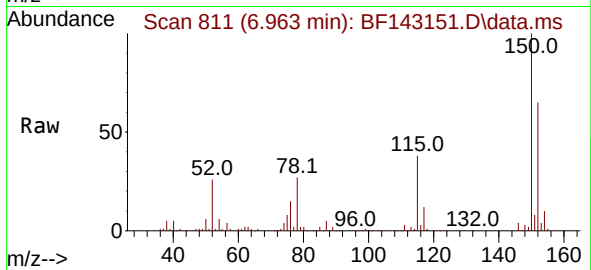
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

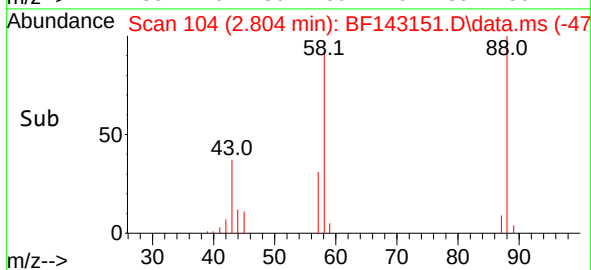
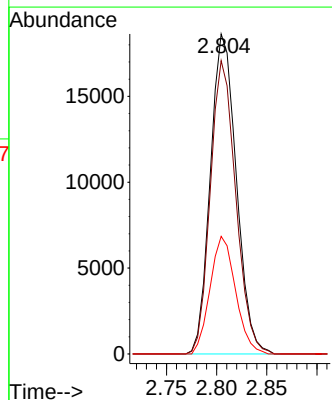
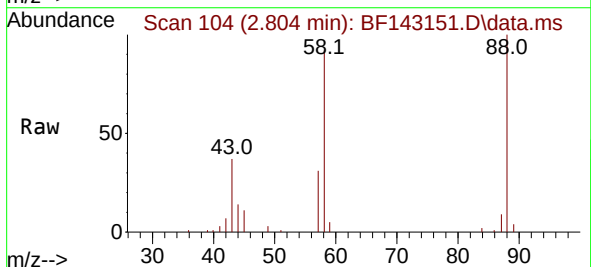
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

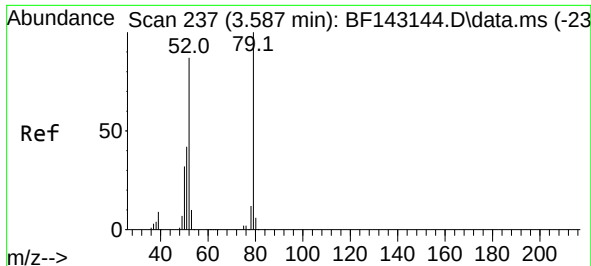
Tgt Ion:152 Resp: 154997
Ion Ratio Lower Upper
152 100
150 154.3 128.2 192.4
115 59.3 47.9 71.9



#2
1,4-Dioxane
Concen: 7.235 ng
RT: 2.804 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 88 Resp: 33532
Ion Ratio Lower Upper
88 100
58 89.6 70.2 105.2
43 36.0 27.1 40.7





#3

Pyridine

Concen: 7.229 ng

RT: 3.610 min Scan# 241

Delta R.T. 0.024 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

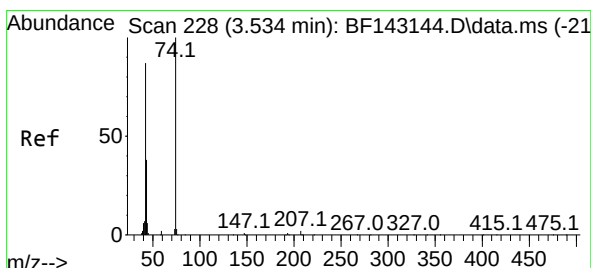
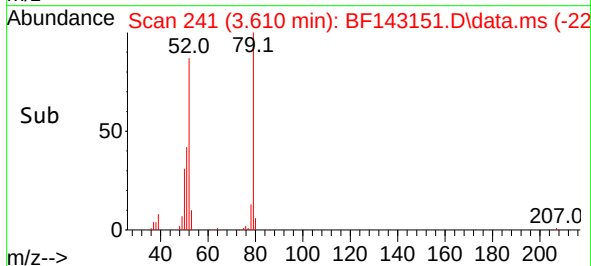
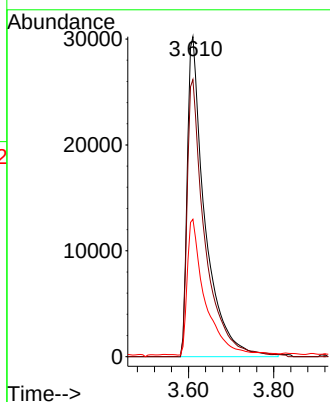
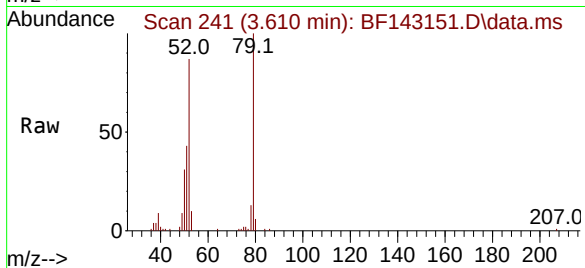
Tgt Ion: 79 Resp: 86964

Ion Ratio Lower Upper

79 100

52 86.6 69.4 104.2

51 42.9 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 7.367 ng

RT: 3.504 min Scan# 223

Delta R.T. -0.029 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

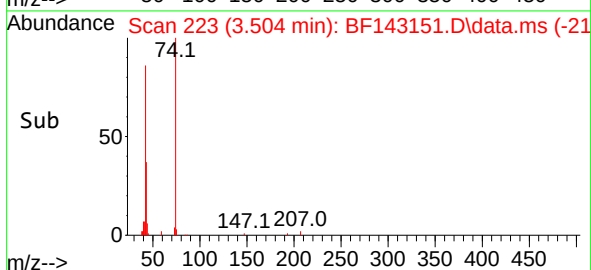
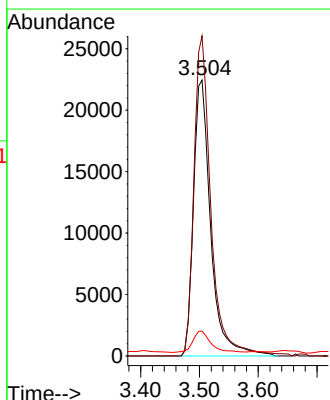
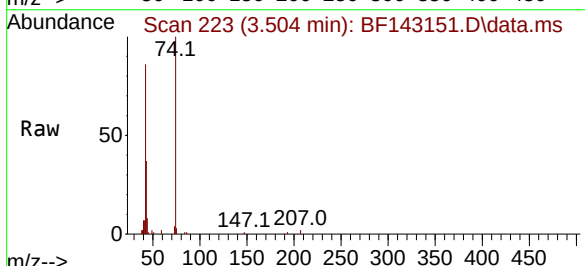
Tgt Ion: 42 Resp: 45753

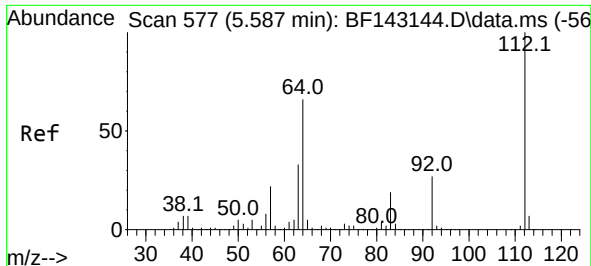
Ion Ratio Lower Upper

42 100

74 116.0 91.7 137.5

44 9.0 5.6 8.4#

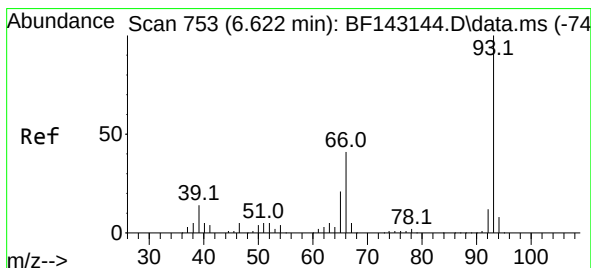
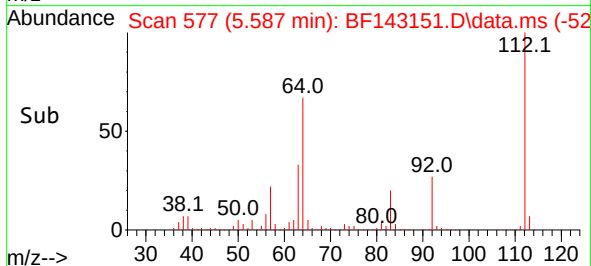
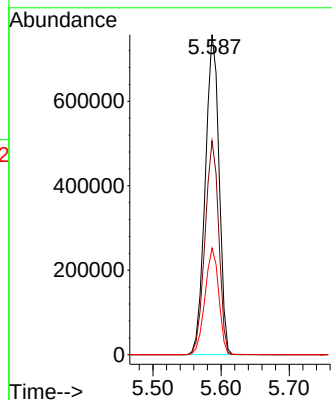
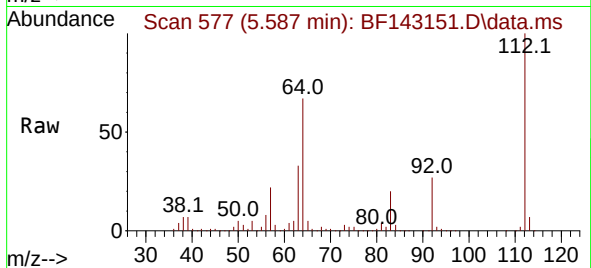




#5
2-Fluorophenol
Concen: 109.169 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

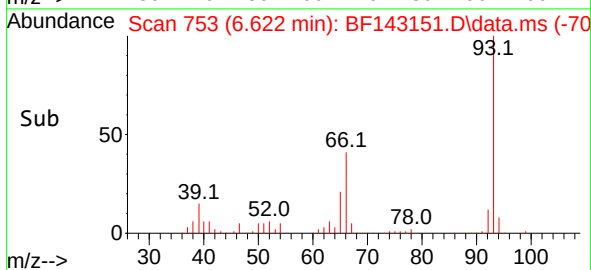
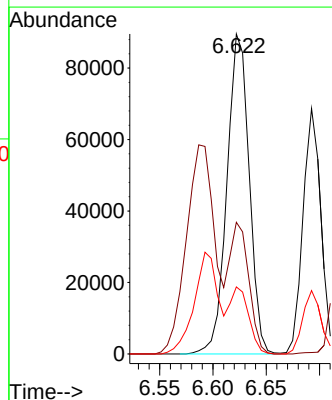
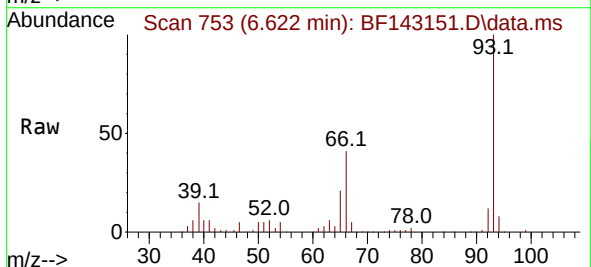
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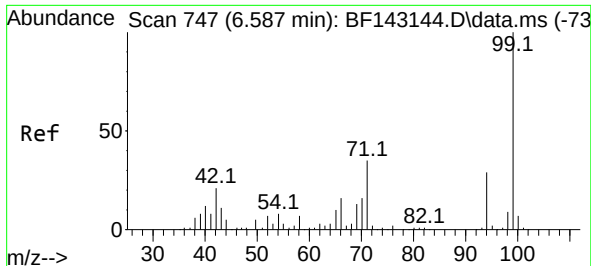
Tgt Ion:112 Resp: 1069276
Ion Ratio Lower Upper
112 100
64 66.8 53.1 79.7
63 33.3 26.6 40.0



#6
Aniline
Concen: 7.573 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 93 Resp: 130123
Ion Ratio Lower Upper
93 100
66 41.1 33.2 49.8
65 21.0 16.9 25.3

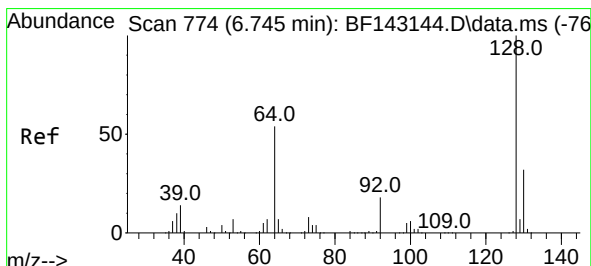
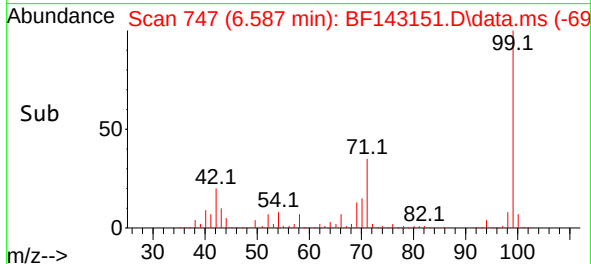
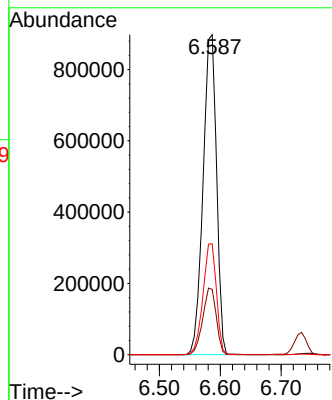
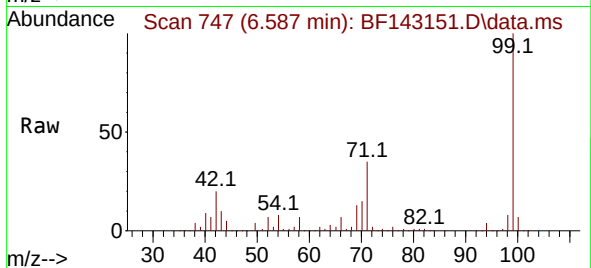




#7
Phenol-d6
Concen: 112.320 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

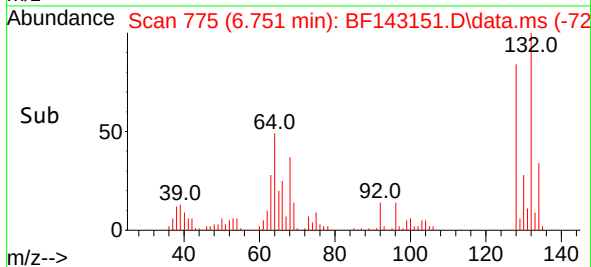
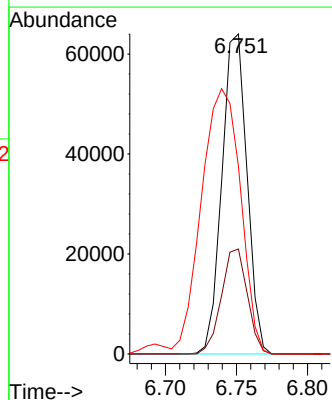
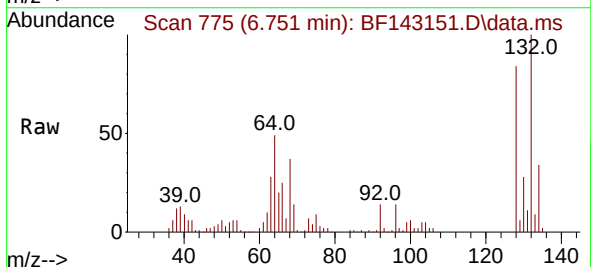
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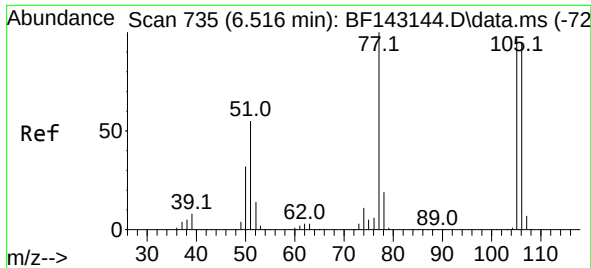
Tgt Ion: 99 Resp: 1384725
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 34.7 27.7 41.5



#8
2-Chlorophenol
Concen: 7.654 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:128 Resp: 78579
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 58.7 35.9 75.9

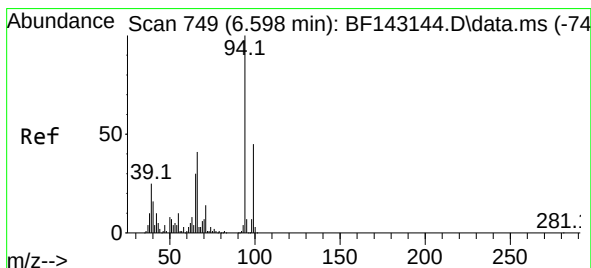
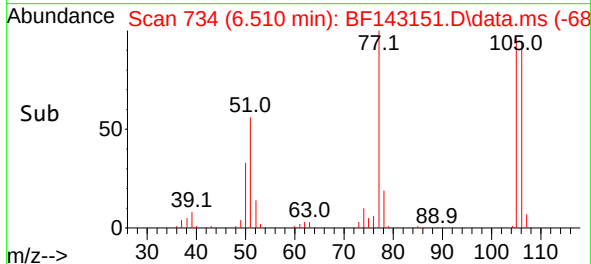
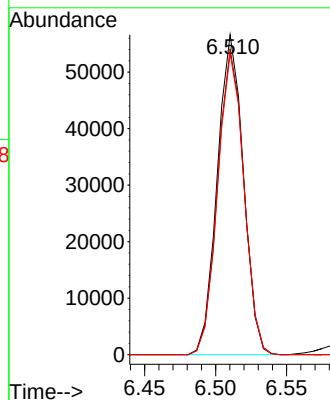
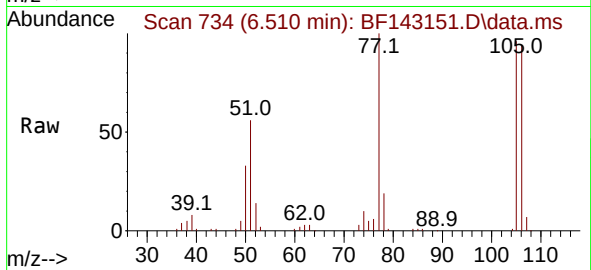




#9
Benzaldehyde
Concen: 7.805 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

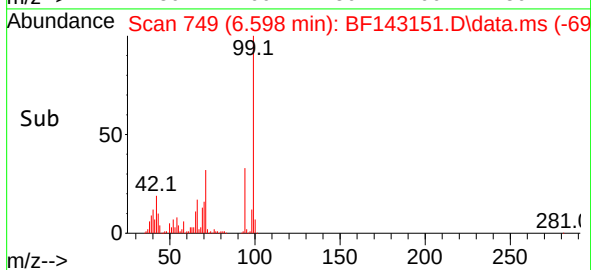
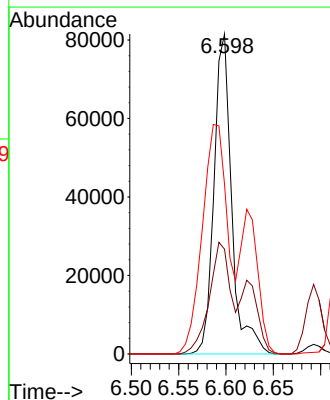
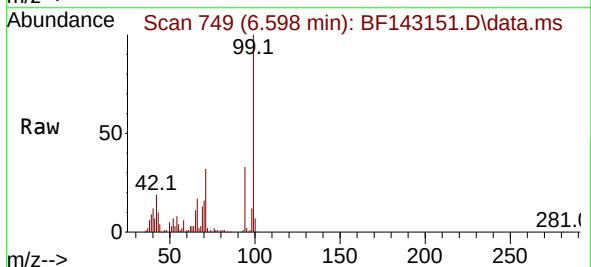
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

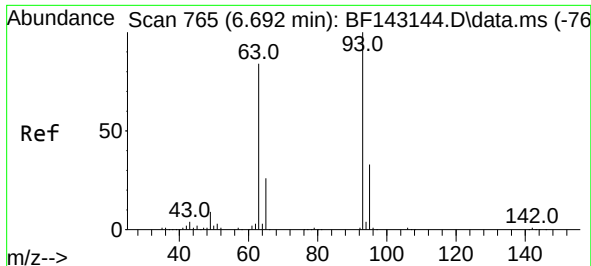
Tgt Ion: 77 Resp: 72152
Ion Ratio Lower Upper
77 100
105 95.5 76.8 116.8
106 94.0 74.4 114.4



#10
Phenol
Concen: 7.902 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion: 94 Resp: 106127
Ion Ratio Lower Upper
94 100
65 32.8 10.0 50.0
66 53.1 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 7.767 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

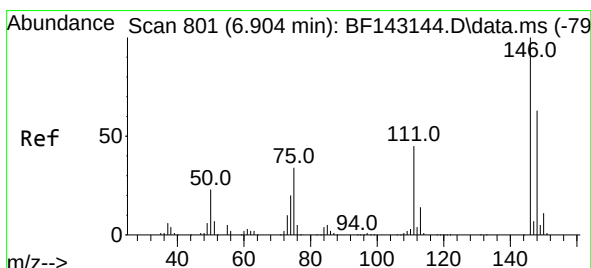
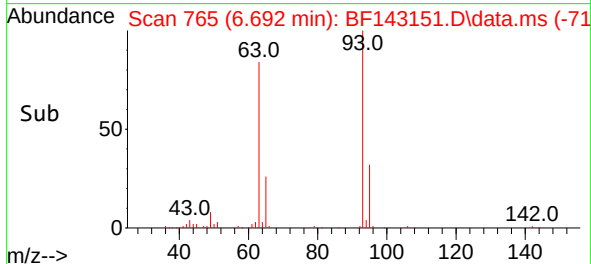
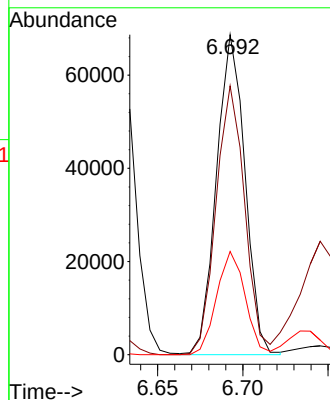
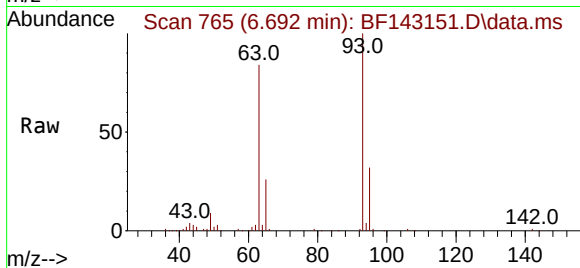
Tgt Ion: 93 Resp: 79868

Ion Ratio Lower Upper

93 100

63 84.0 63.4 103.4

95 32.3 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 7.813 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

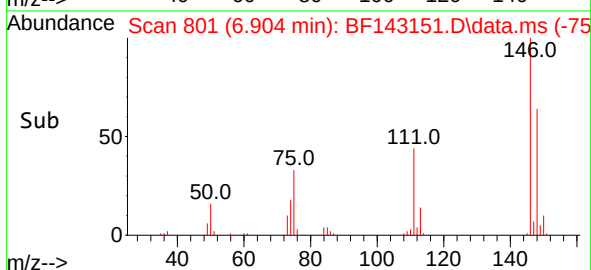
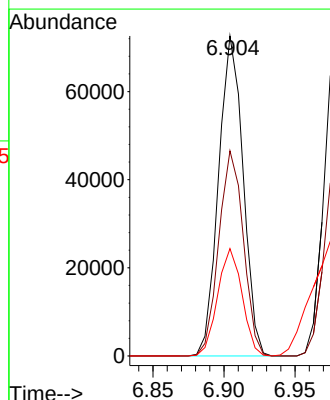
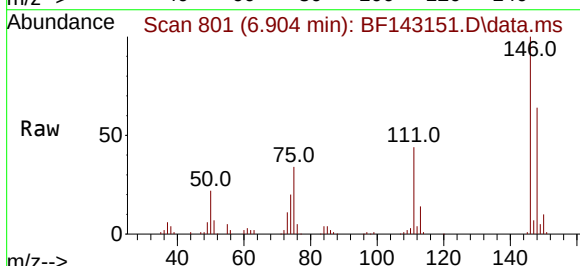
Tgt Ion: 146 Resp: 87134

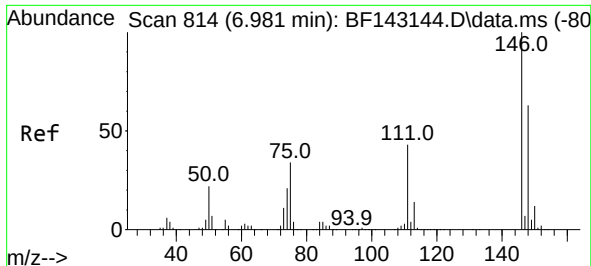
Ion Ratio Lower Upper

146 100

148 64.1 50.6 76.0

75 33.6 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 8.066 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

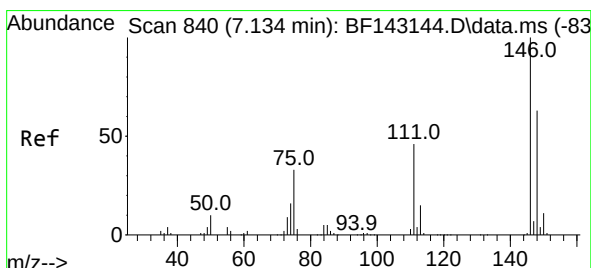
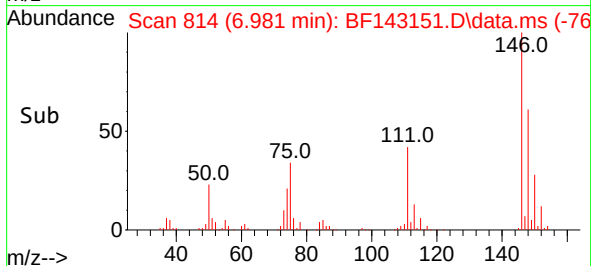
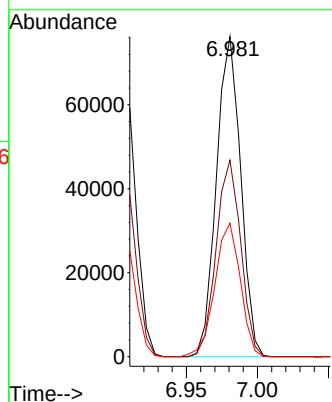
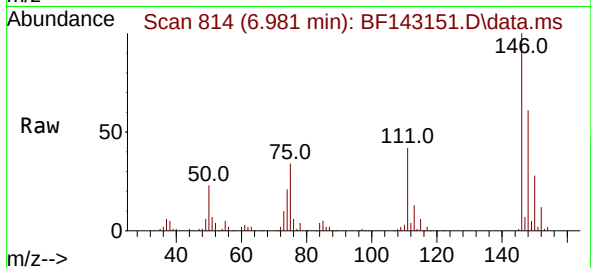
Tgt Ion:146 Resp: 90595

Ion Ratio Lower Upper

146 100

148 61.4 50.3 75.5

111 41.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 7.981 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

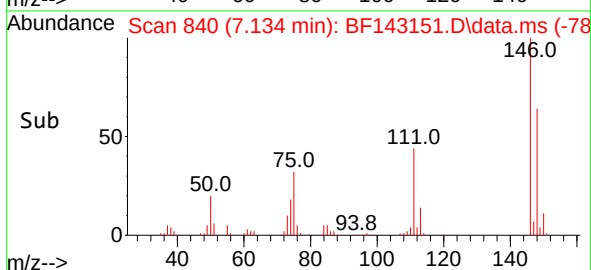
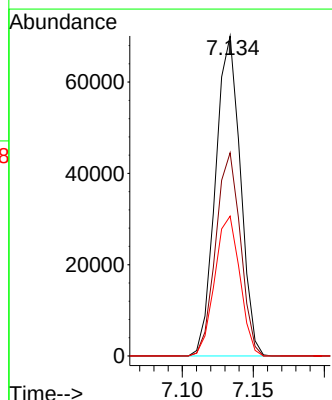
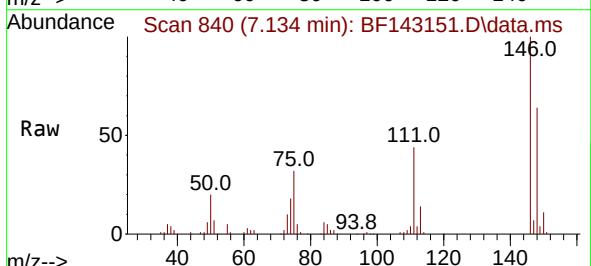
Tgt Ion:146 Resp: 85263

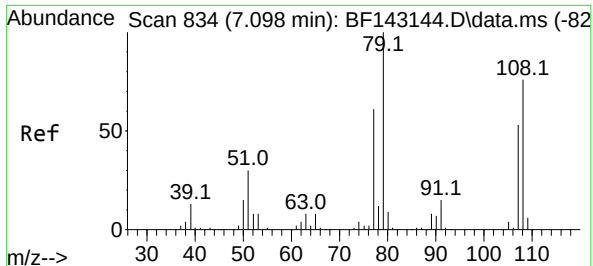
Ion Ratio Lower Upper

146 100

148 63.5 50.7 76.1

111 43.7 36.6 54.8

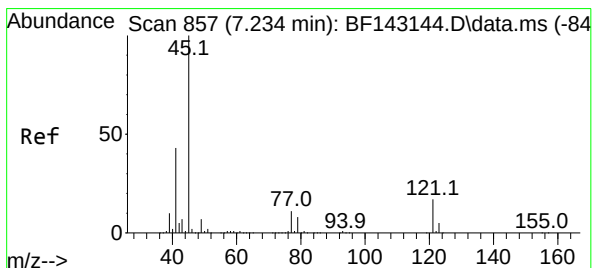
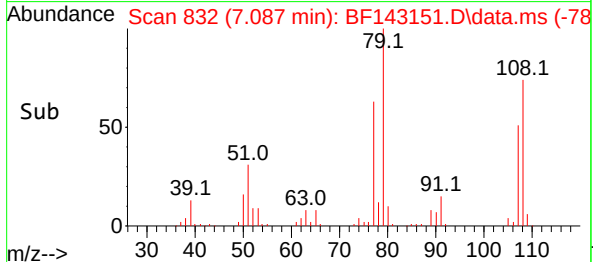
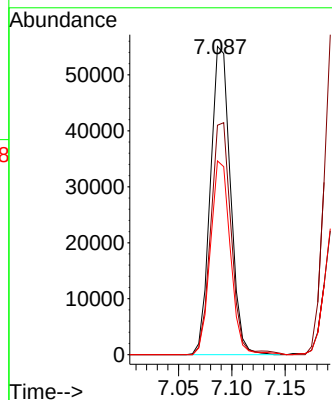
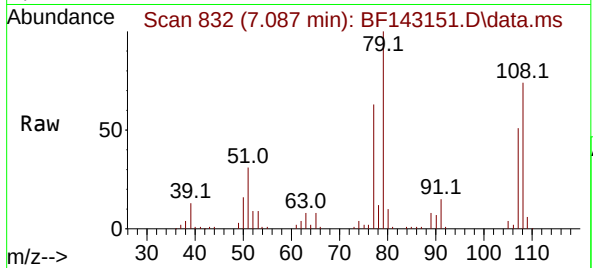




#15
Benzyl Alcohol
Concen: 7.662 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

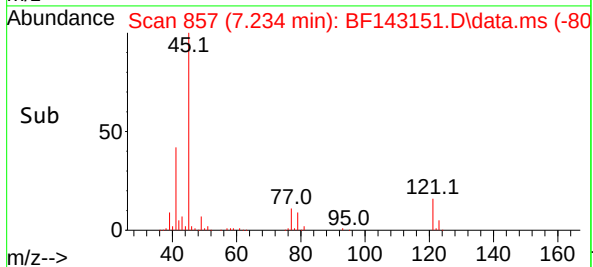
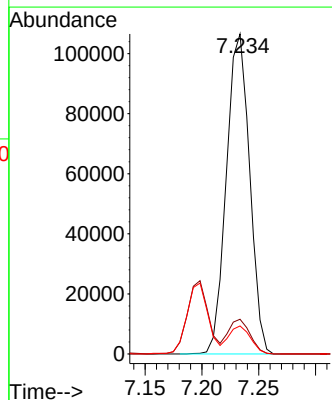
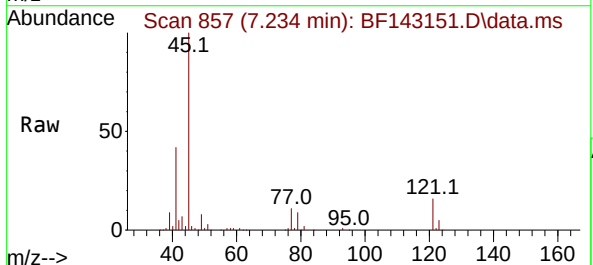
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

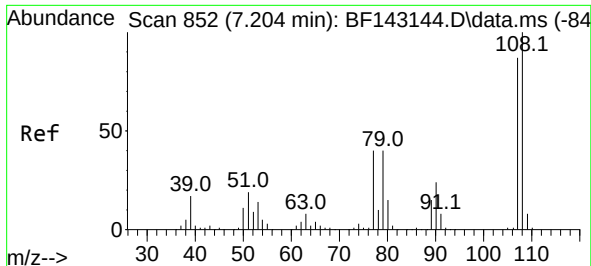
Tgt Ion:	79	Resp:	72125
Ion Ratio	Lower	Upper	
79	100		
108	74.4	61.1	91.7
77	62.8	48.9	73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.948 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:	45	Resp:	151618
Ion Ratio	Lower	Upper	
45	100		
77	10.9	0.0	31.2
79	8.7	0.0	28.5

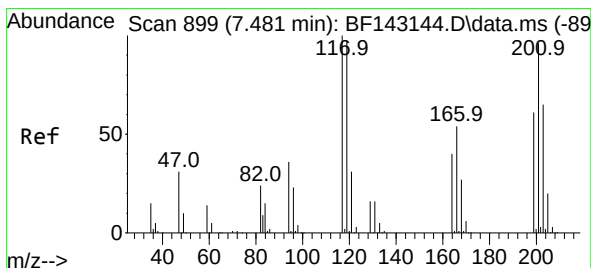
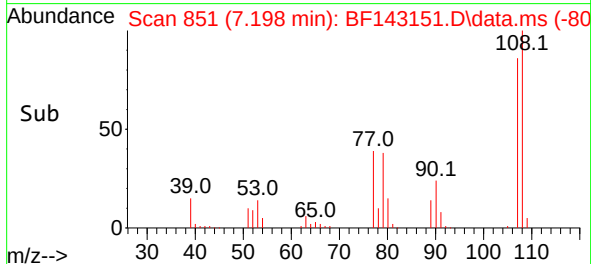
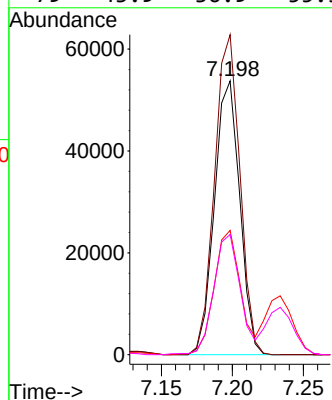
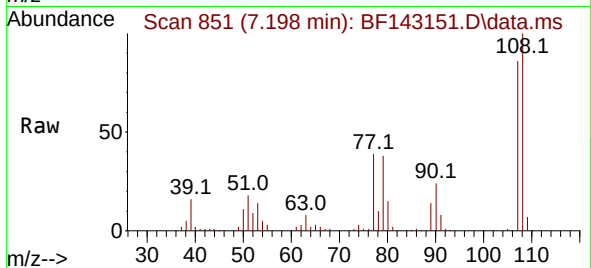




#17
2-Methylphenol
Concen: 7.716 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

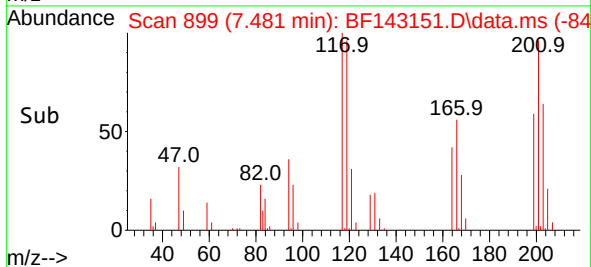
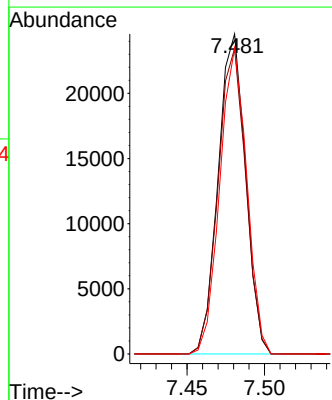
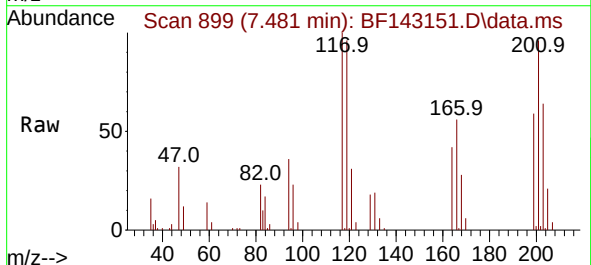
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

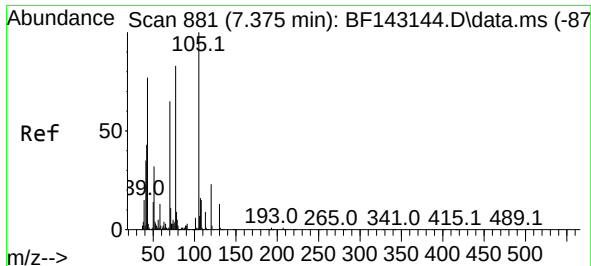
Tgt Ion:107	Resp:	66605
Ion	Ratio	Lower Upper
107	100	
108	116.9	91.8 137.6
77	45.4	37.0 55.6
79	43.9	36.9 55.3



#18
Hexachloroethane
Concen: 7.767 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:117	Resp:	30200
Ion	Ratio	Lower Upper
117	100	
119	95.5	77.8 116.8
201	95.5	77.0 115.4

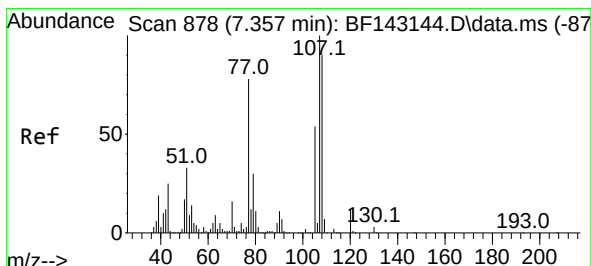
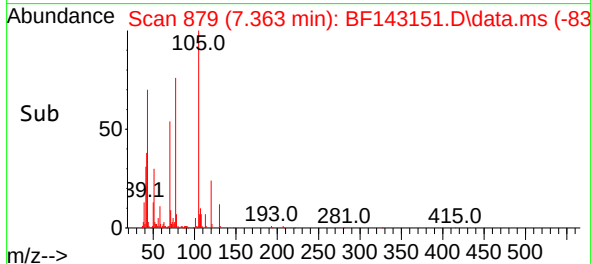
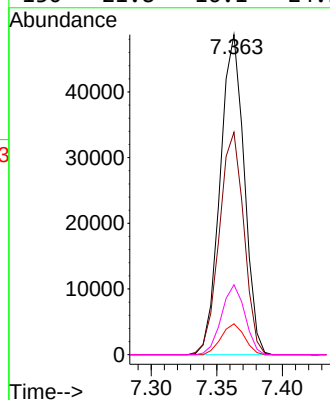
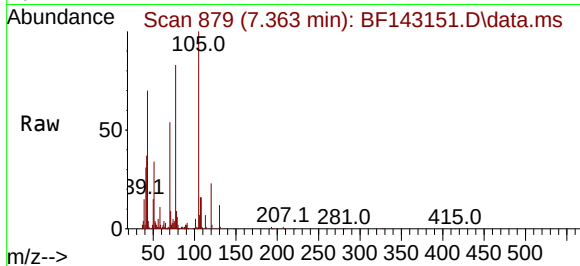




#19
n-Nitroso-di-n-propylamine
Concen: 7.851 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

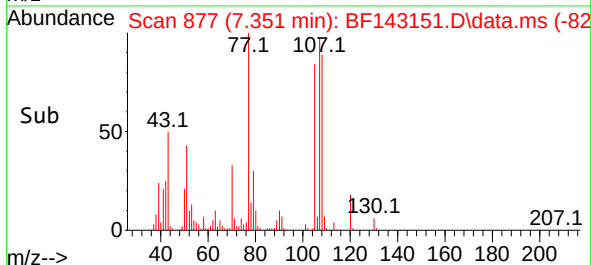
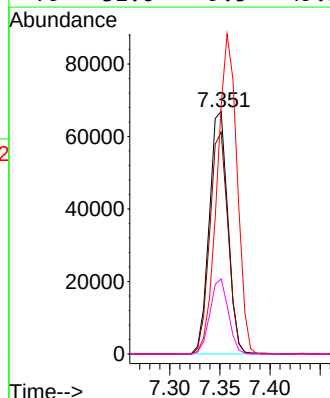
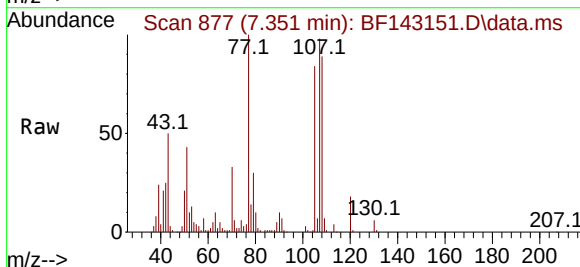
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

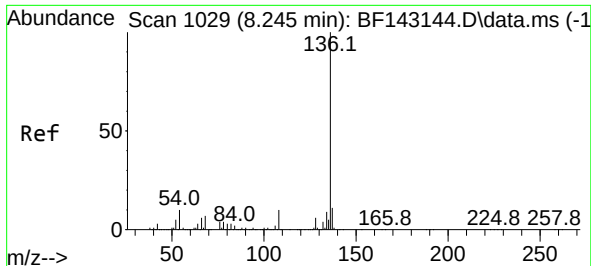
Tgt Ion:	70	Resp:	62094
Ion	Ratio	Lower	Upper
70	100		
42	69.5	52.5	78.7
101	9.6	7.6	11.4
130	21.8	16.1	24.1



#20
3+4-Methylphenols
Concen: 8.245 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:	107	Resp:	86355
Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.0	110.0
77	102.4	57.8	97.8#
79	31.0	9.5	49.5

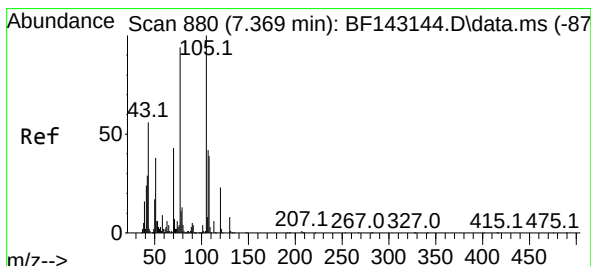
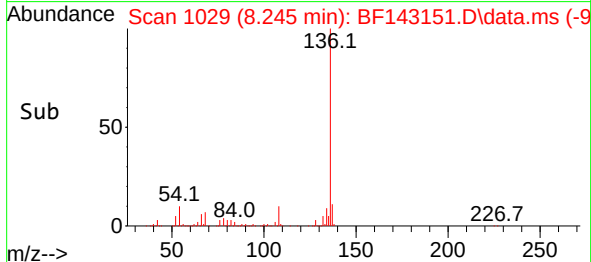
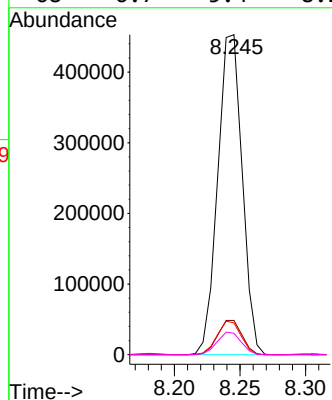
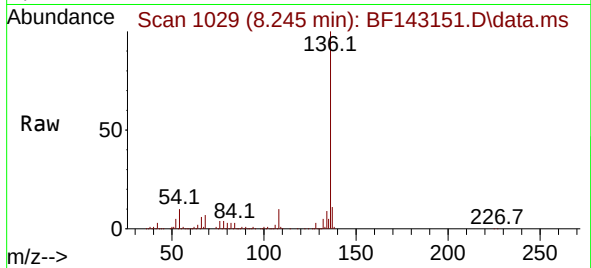




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

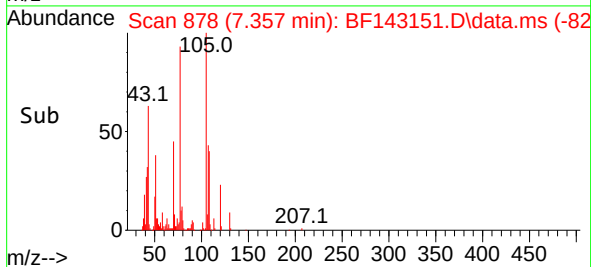
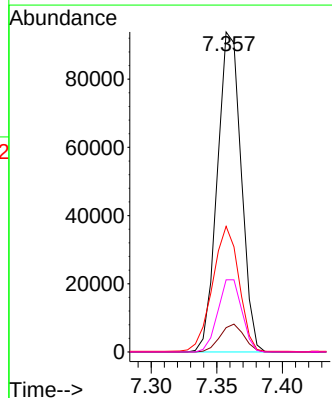
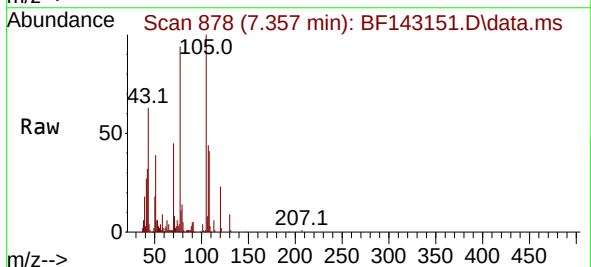
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

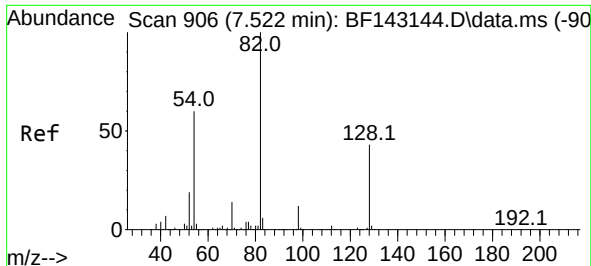
Tgt Ion:	136	Resp:	587487
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.9	8.2	12.2
68	6.7	5.4	8.2



#22
Acetophenone
Concen: 8.523 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:	105	Resp:	118546
Ion Ratio	Lower	Upper	
105	100		
71	7.6	5.8	8.6
51	39.2	30.2	45.2
120	22.5	18.2	27.4





#23

Nitrobenzene-d5

Concen: 76.969 ng

RT: 7.516 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

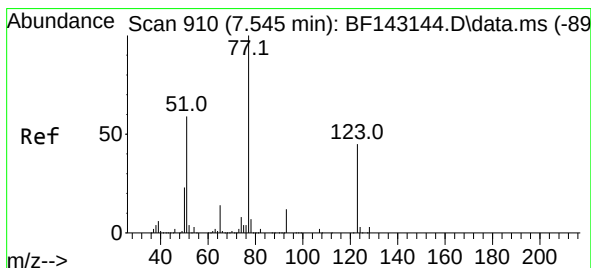
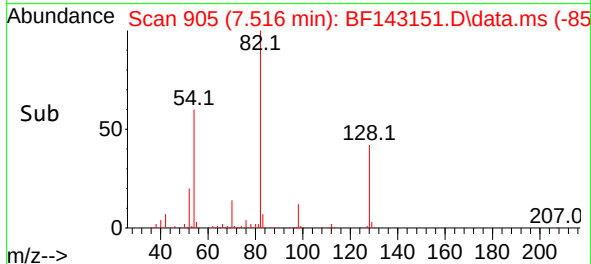
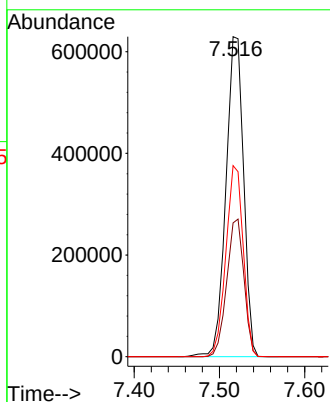
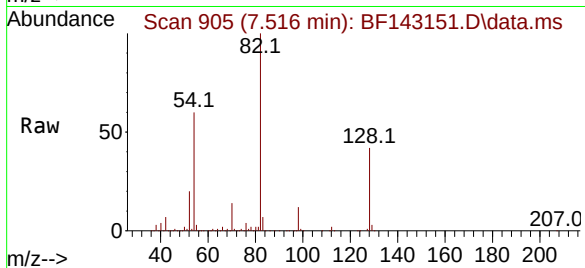
Tgt Ion: 82 Resp: 907139

Ion Ratio Lower Upper

82 100

128 41.8 33.6 50.4

54 59.7 47.1 70.7



#24

Nitrobenzene

Concen: 8.032 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

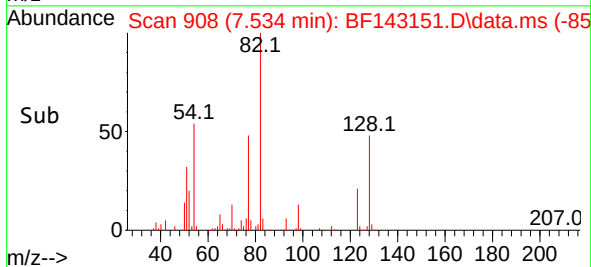
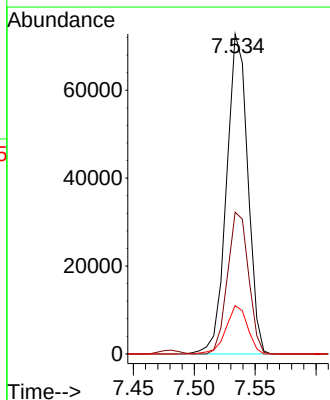
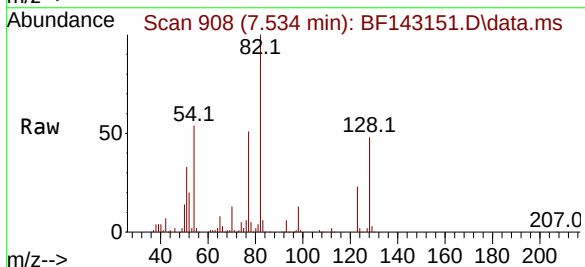
Tgt Ion: 77 Resp: 88252

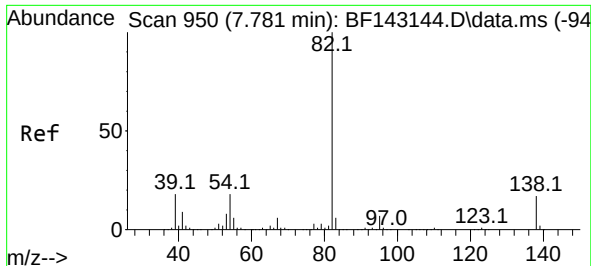
Ion Ratio Lower Upper

77 100

123 44.3 36.1 54.1

65 15.1 11.4 17.2

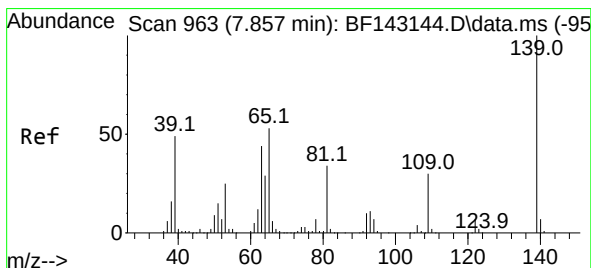
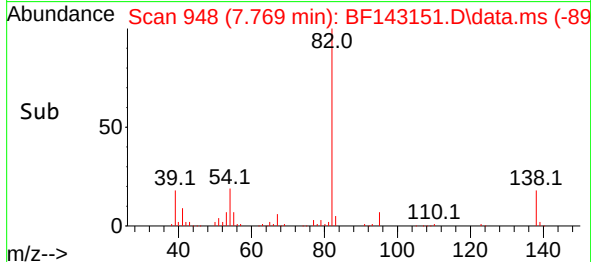
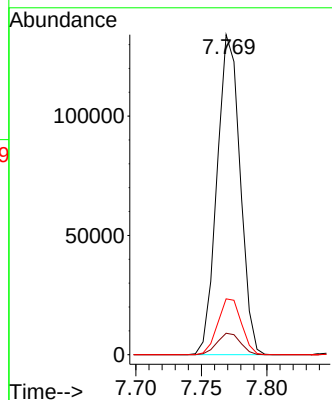
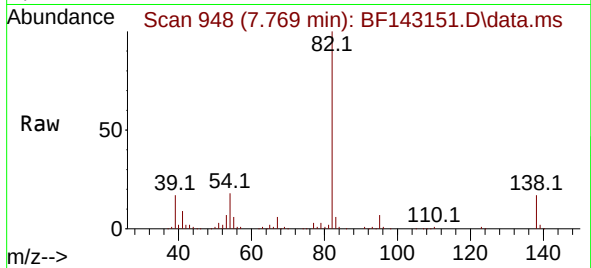




#25
Isophorone
Concen: 7.894 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

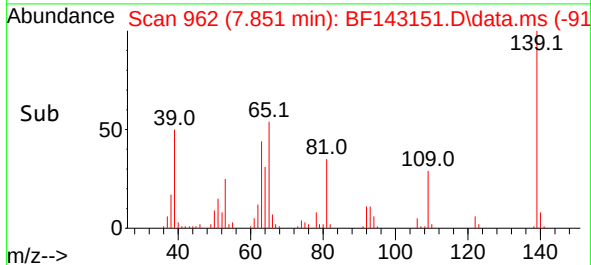
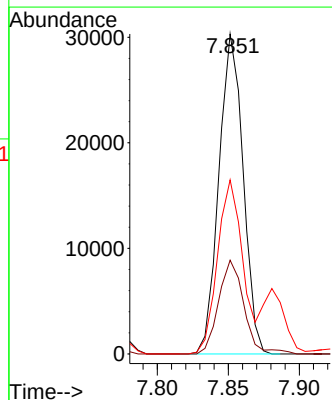
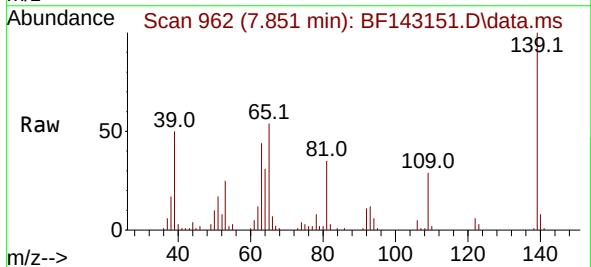
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

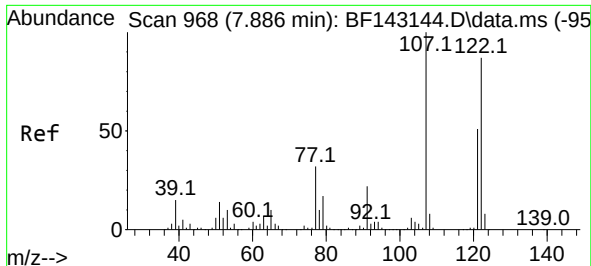
Tgt Ion: 82 Resp: 164247
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.4 13.8 20.8



#26
2-Nitrophenol
Concen: 7.527 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:139 Resp: 35893
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 54.4 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 7.420 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

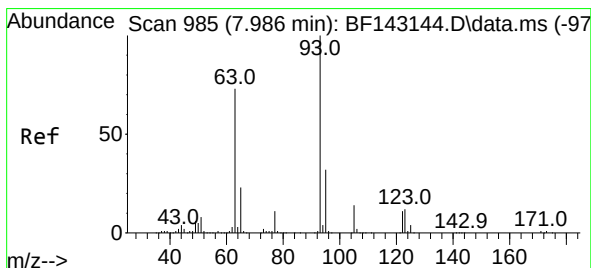
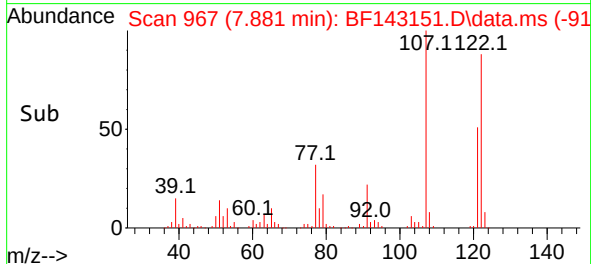
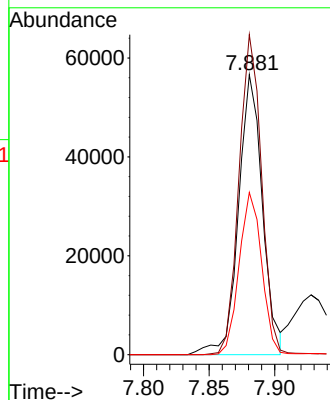
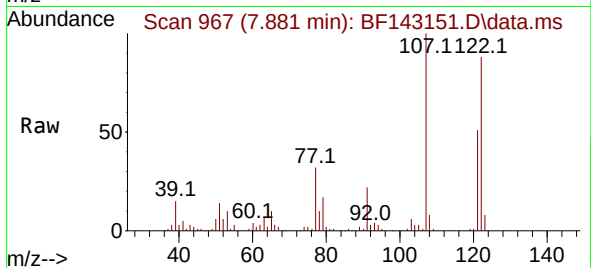
Tgt Ion:122 Resp: 72125

Ion Ratio Lower Upper

122 100

107 114.3 91.8 137.6

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 8.028 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

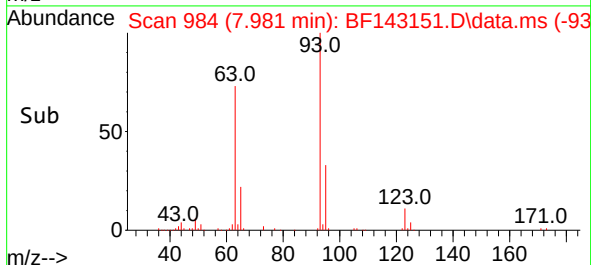
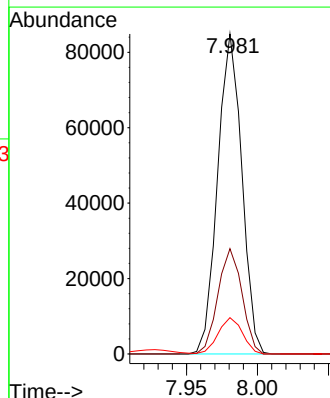
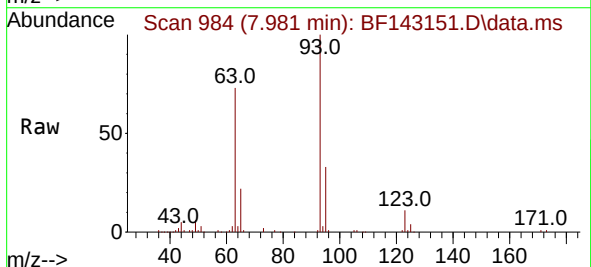
Tgt Ion: 93 Resp: 100149

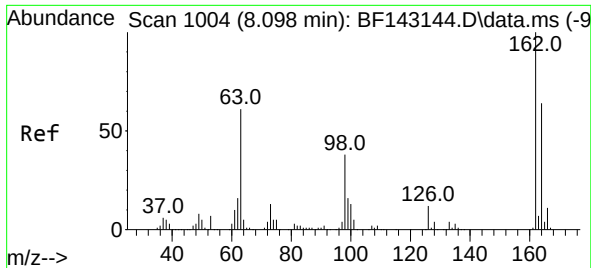
Ion Ratio Lower Upper

93 100

95 32.9 25.8 38.6

123 11.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 7.829 ng

RT: 8.086 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

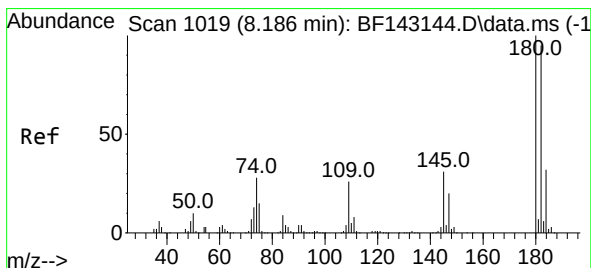
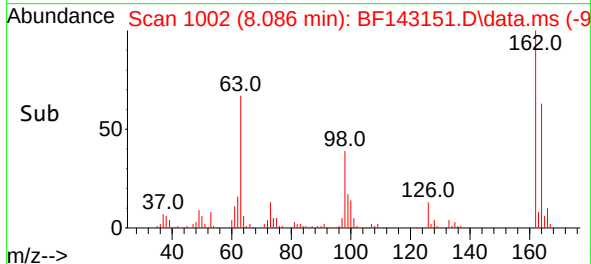
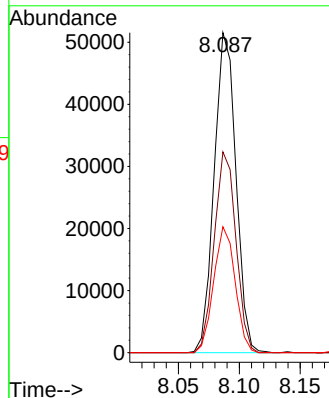
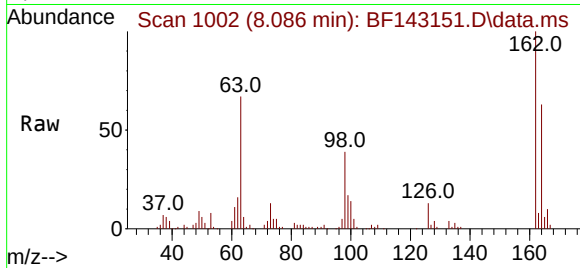
Tgt Ion:162 Resp: 64179

Ion Ratio Lower Upper

162 100

164 62.7 44.2 84.2

98 39.3 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 8.088 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

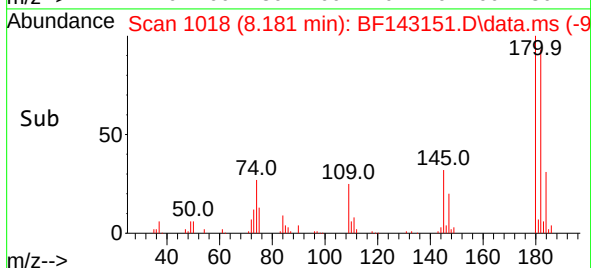
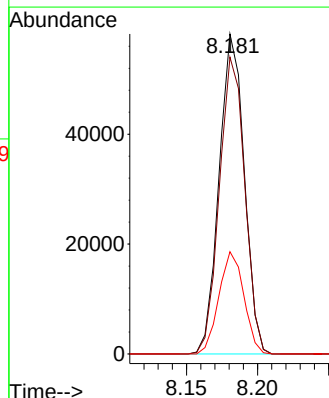
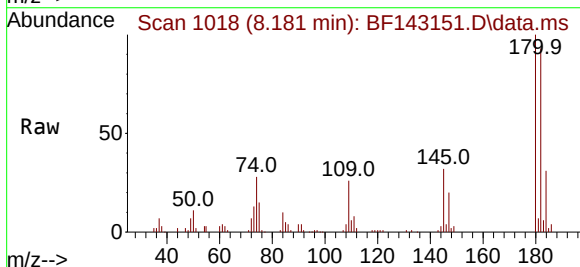
Tgt Ion:180 Resp: 71627

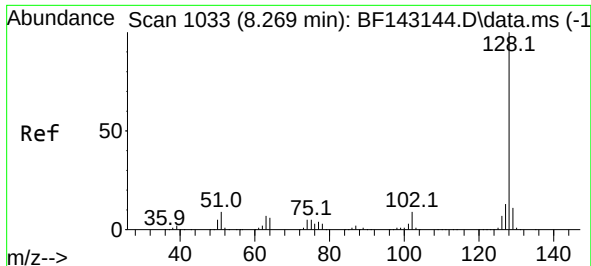
Ion Ratio Lower Upper

180 100

182 92.8 76.2 114.2

145 31.9 25.0 37.6

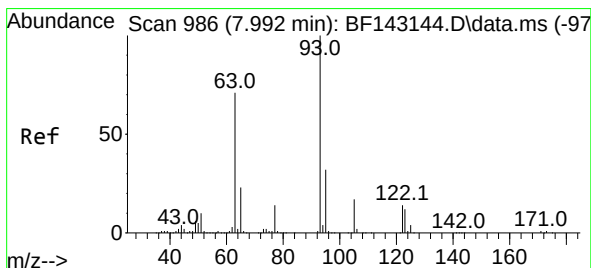
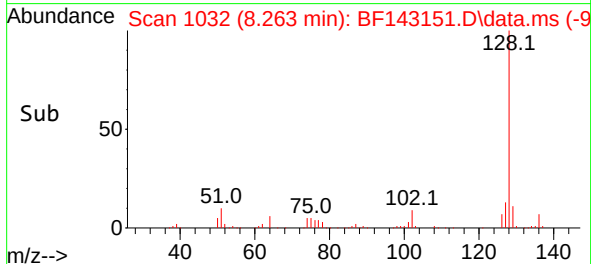
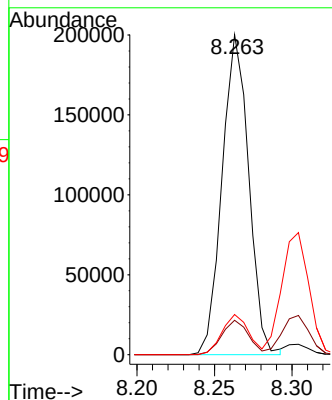
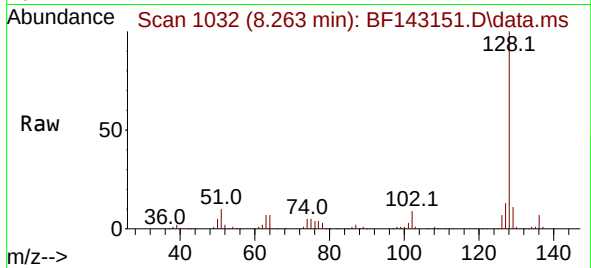




#31
Naphthalene
Concen: 8.263 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

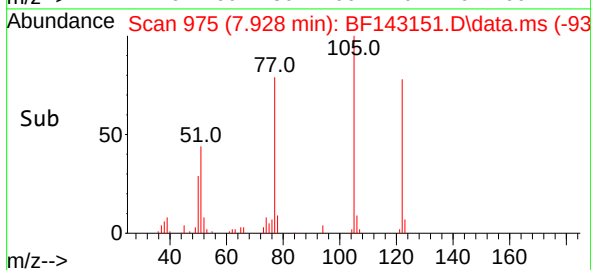
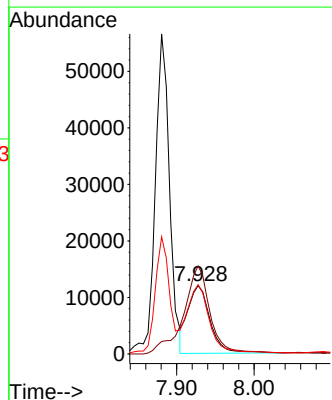
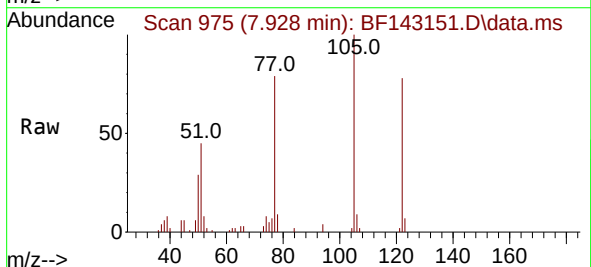
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

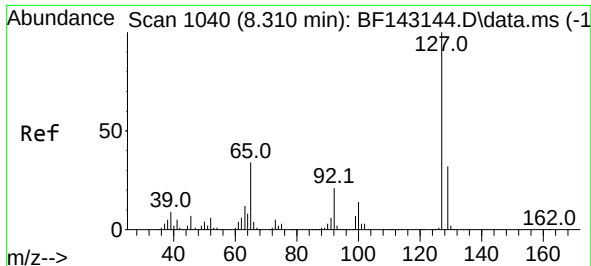
Tgt Ion:128 Resp: 239079
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 12.5 10.6 16.0



#32
Benzoic acid
Concen: 9.096 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:122 Resp: 24045
Ion Ratio Lower Upper
122 100
105 128.9 104.8 144.8
77 101.4 77.6 117.6

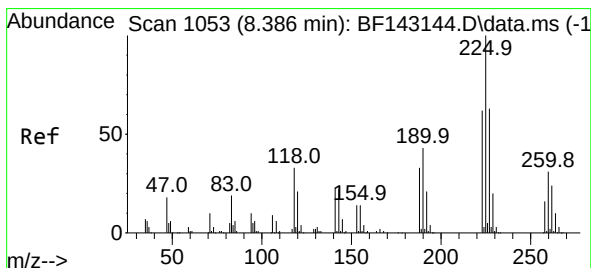
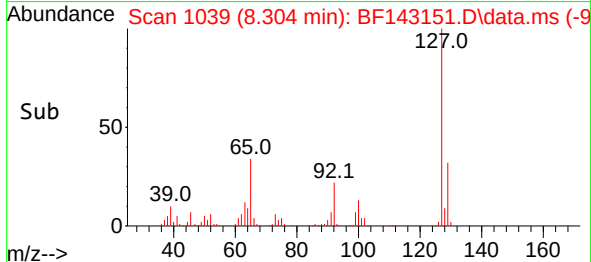
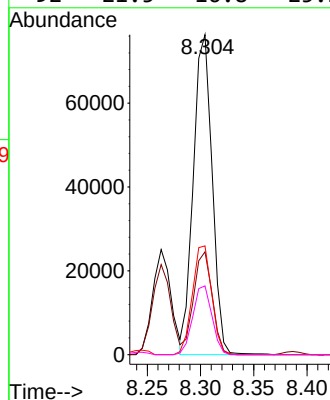
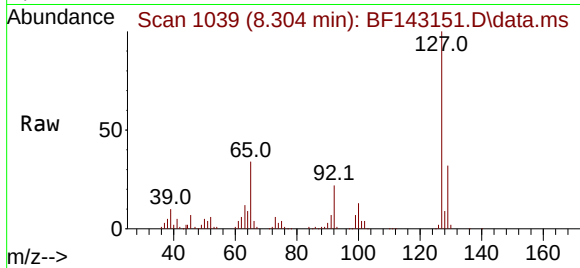




#33
4-Chloroaniline
Concen: 7.963 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

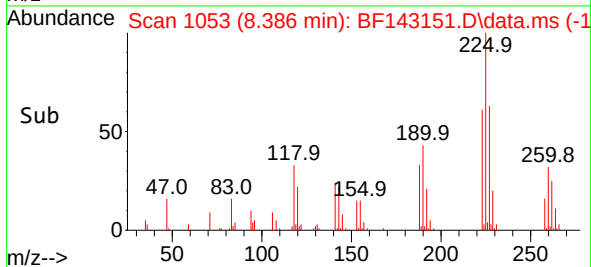
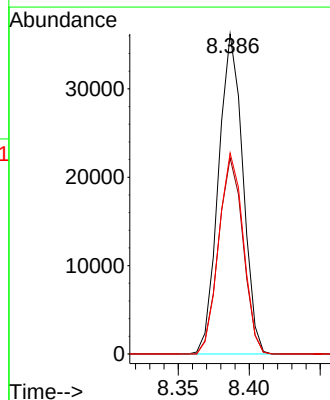
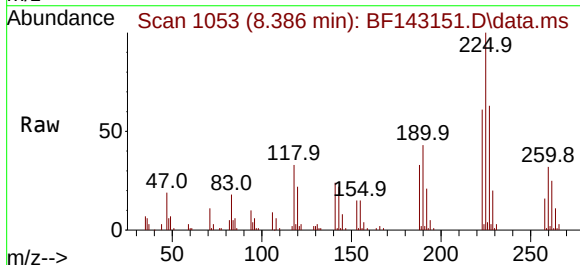
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

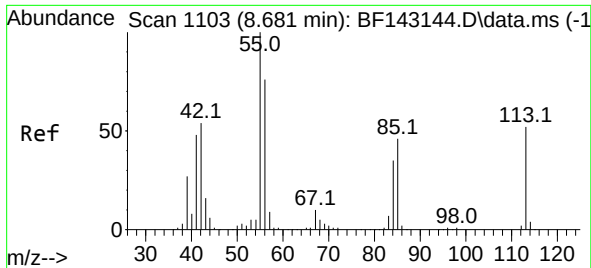
Tgt Ion:	127	Resp:	94071
Ion Ratio	Lower	Upper	
127	100		
129	32.2	26.0	39.0
65	34.0	27.4	41.2
92	21.5	16.8	25.2



#34
Hexachlorobutadiene
Concen: 7.976 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:	225	Resp:	43149
Ion Ratio	Lower	Upper	
225	100		
223	61.3	49.8	74.6
227	62.8	50.2	75.4

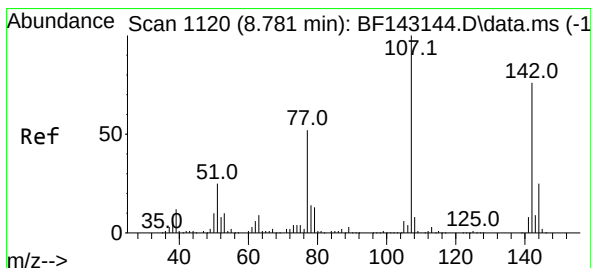
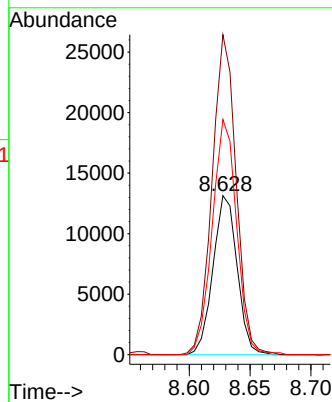
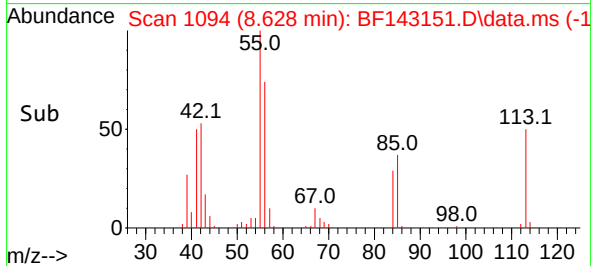
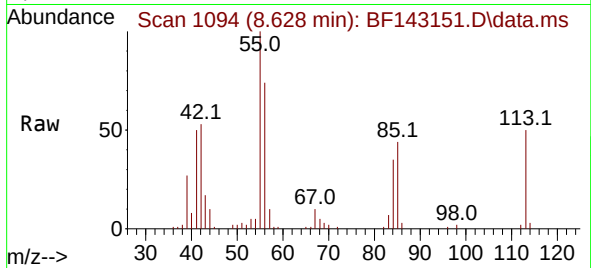




#35
 Caprolactam
 Concen: 7.315 ng
 RT: 8.628 min Scan# 1118
 Delta R.T. -0.053 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

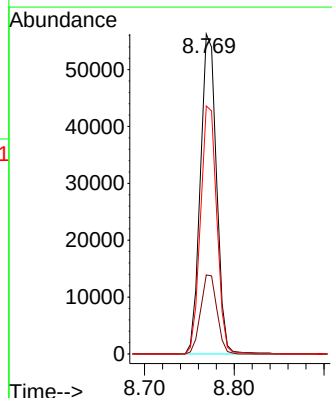
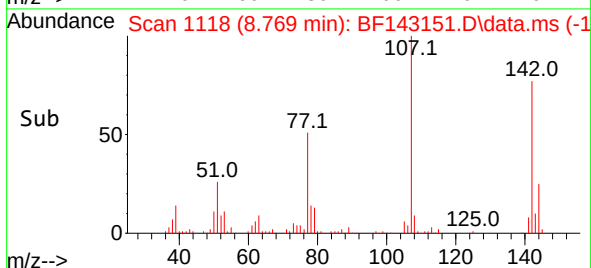
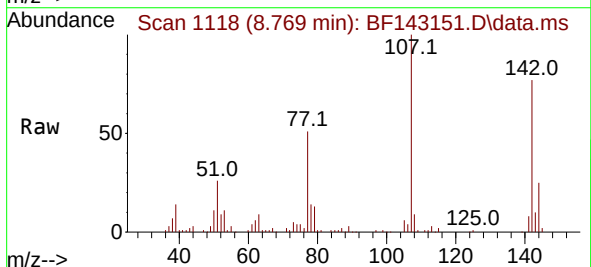
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

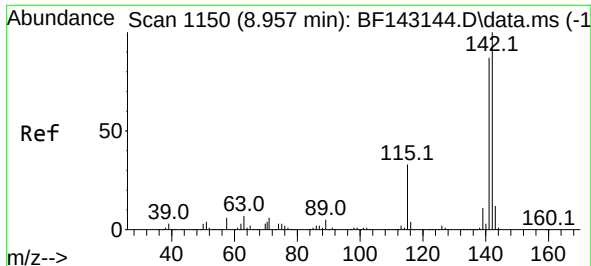
Tgt Ion:113 Resp: 18120
 Ion Ratio Lower Upper
 113 100
 55 201.2 174.0 214.0
 56 147.9 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 7.889 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. -0.012 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion:107 Resp: 70290
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.8 29.6
 142 77.5 60.6 90.8





#37

2-Methylnaphthalene

Concen: 8.304 ng

RT: 8.951 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

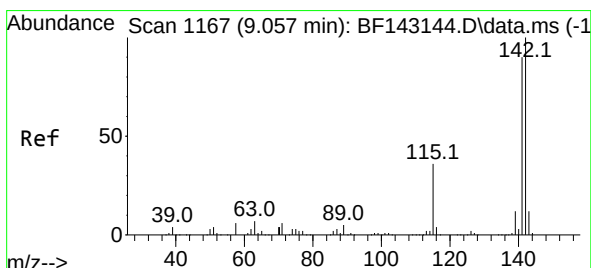
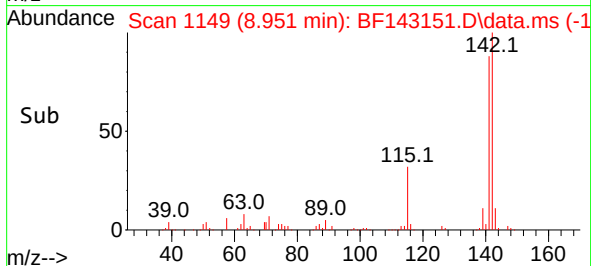
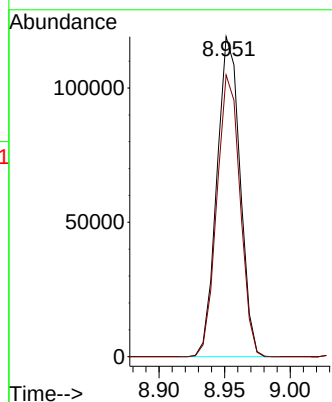
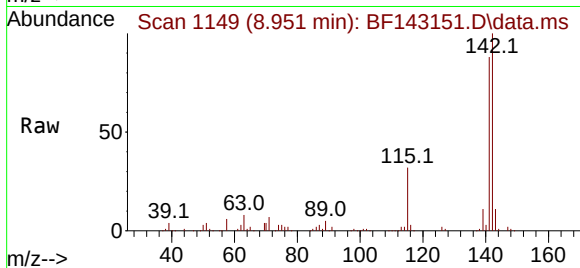
MDL-SOIL-03-QT2-2025

Tgt Ion:142 Resp: 146198

Ion Ratio Lower Upper

142 100

141 88.1 69.9 104.9



#38

1-Methylnaphthalene

Concen: 8.286 ng

RT: 9.051 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF143151.D

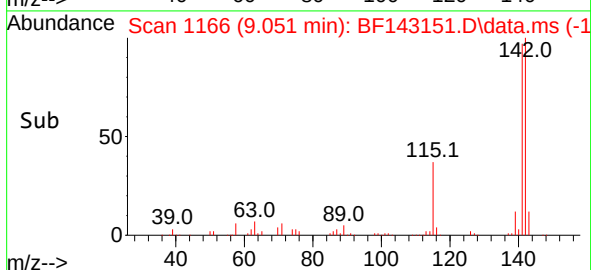
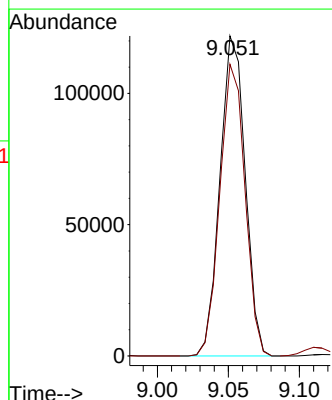
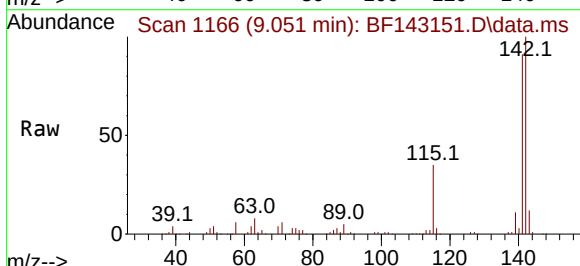
Acq: 17 Jul 2025 16:36

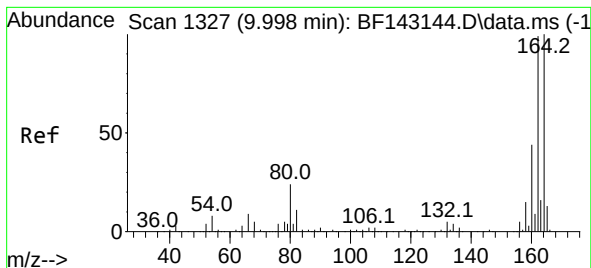
Tgt Ion:142 Resp: 150221

Ion Ratio Lower Upper

142 100

141 91.1 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

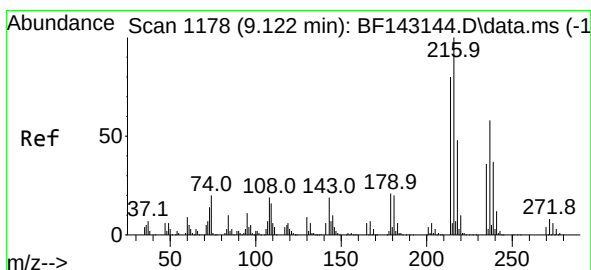
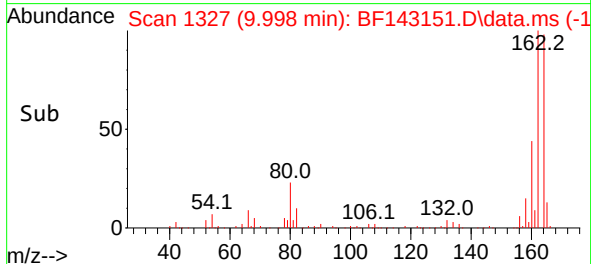
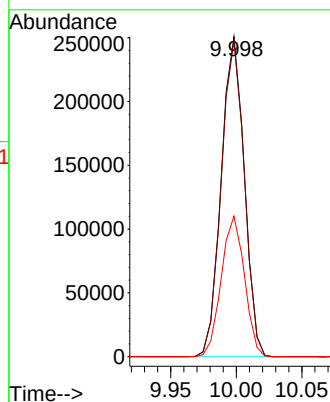
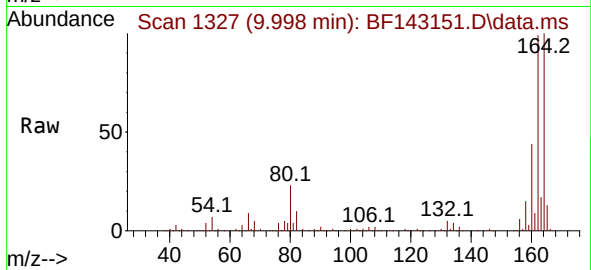
Tgt Ion:164 Resp: 305985

Ion Ratio Lower Upper

164 100

162 98.6 79.0 118.6

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.336 ng

RT: 9.122 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Tgt Ion:216 Resp: 73643

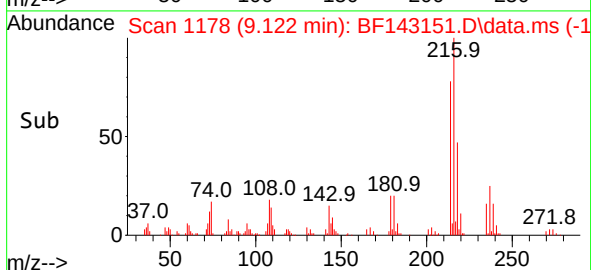
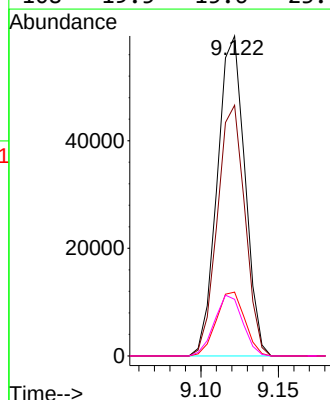
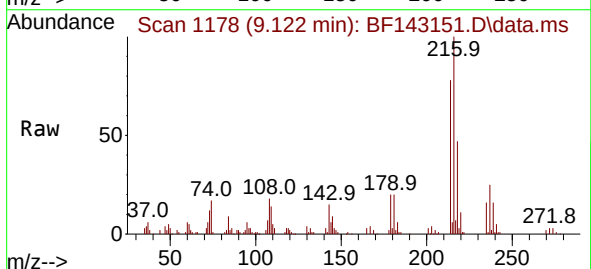
Ion Ratio Lower Upper

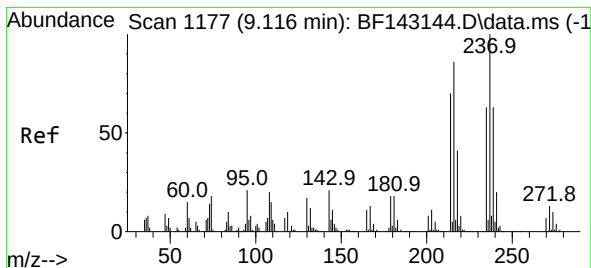
216 100

214 78.2 63.8 95.8

179 20.6 16.4 24.6

108 19.5 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 5.591 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

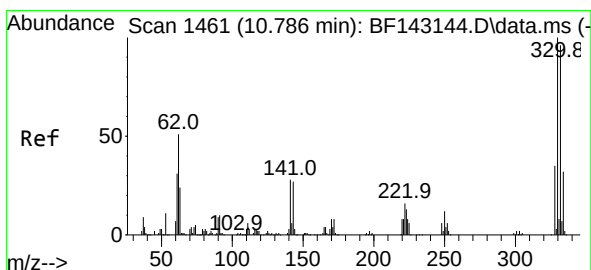
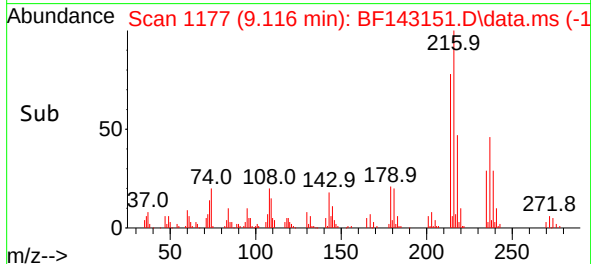
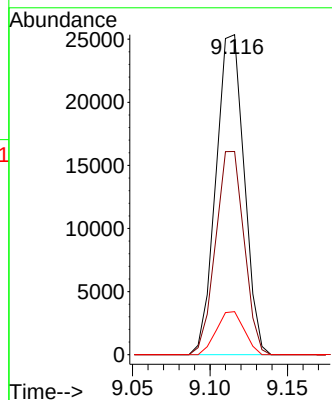
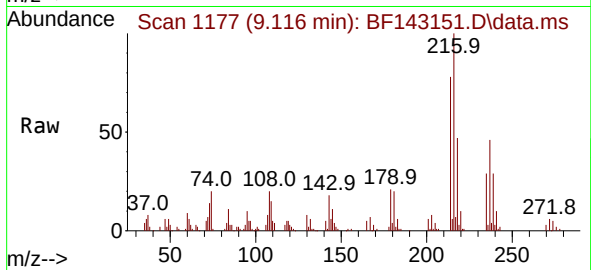
Tgt Ion:237 Resp: 32137

Ion Ratio Lower Upper

237 100

235 63.5 43.0 83.0

272 13.4 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 121.725 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

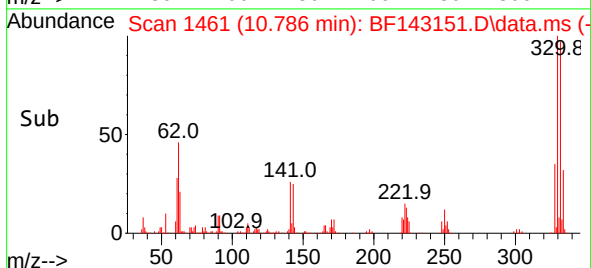
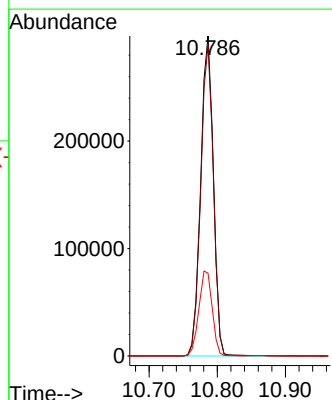
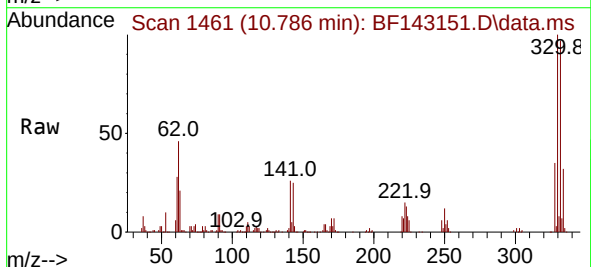
Tgt Ion:330 Resp: 384774

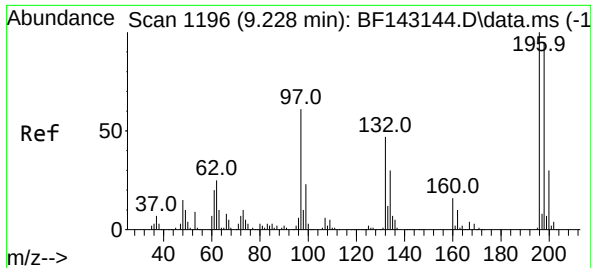
Ion Ratio Lower Upper

330 100

332 96.8 76.7 115.1

141 27.9 23.3 34.9

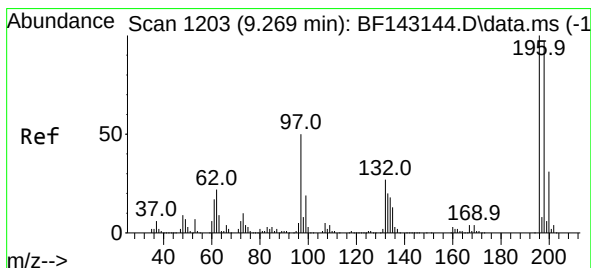
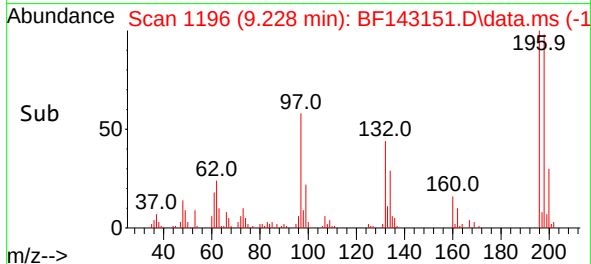
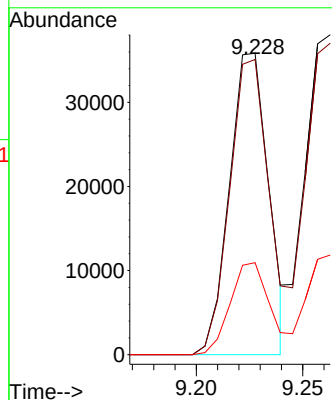
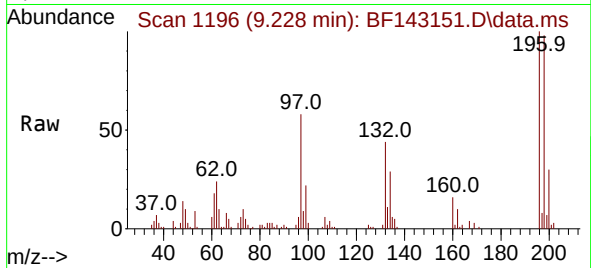




#43
2,4,6-Trichlorophenol
Concen: 7.486 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

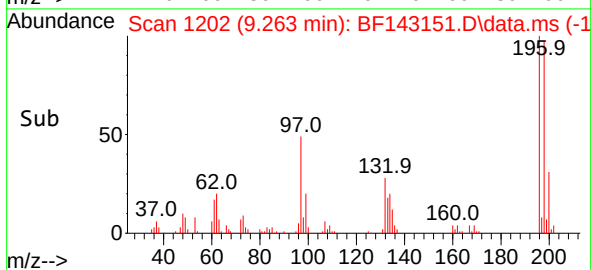
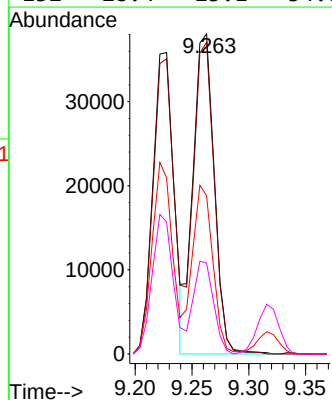
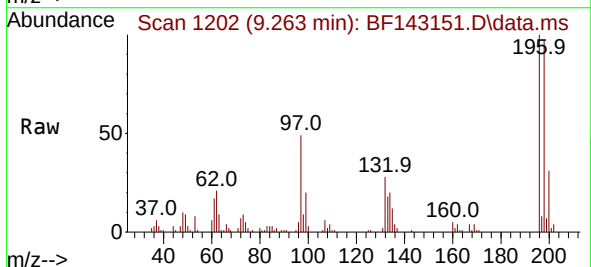
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

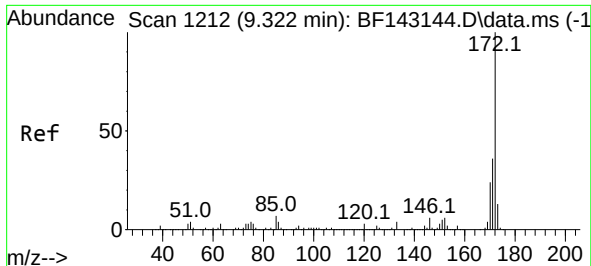
Tgt Ion:196 Resp: 45767
Ion Ratio Lower Upper
196 100
198 97.9 76.2 114.2
200 30.5 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 8.106 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:196 Resp: 49577
Ion Ratio Lower Upper
196 100
198 97.3 77.3 115.9
97 49.5 40.3 60.5
132 28.4 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 73.091 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

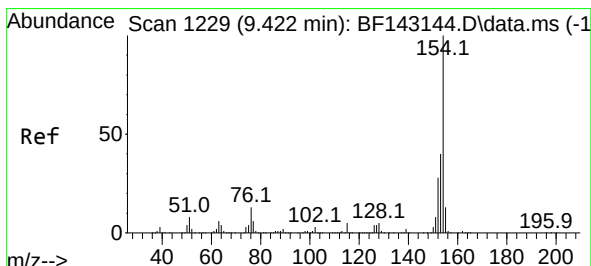
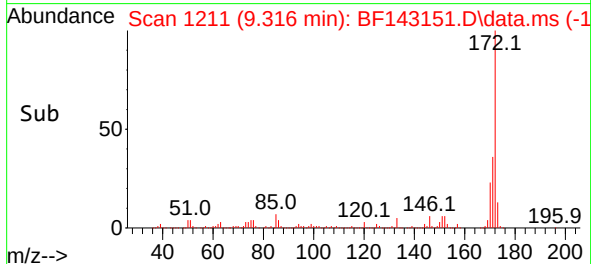
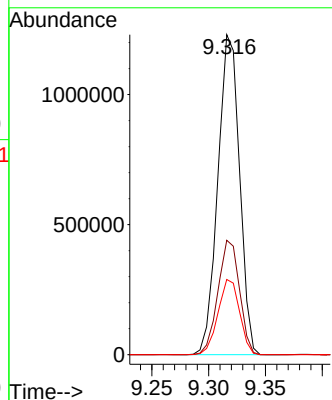
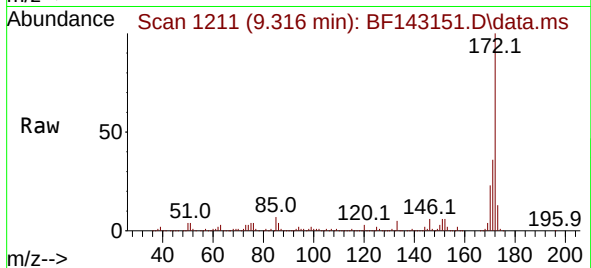
Tgt Ion:172 Resp: 1635298

Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 8.500 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

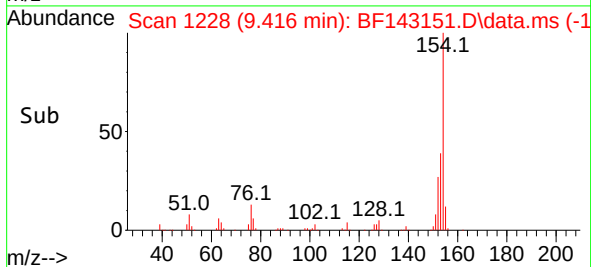
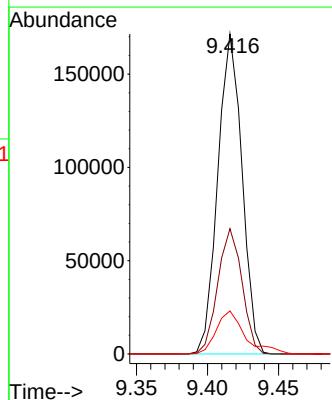
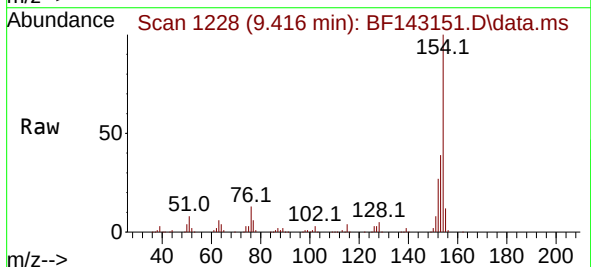
Tgt Ion:154 Resp: 202912

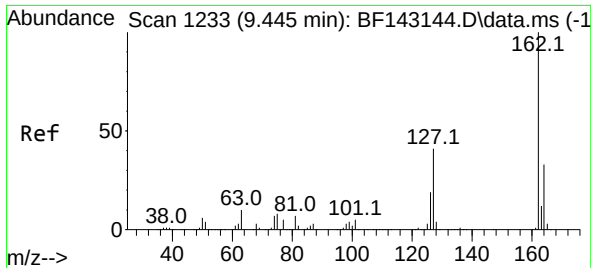
Ion Ratio Lower Upper

154 100

153 39.1 20.3 60.3

76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 8.244 ng

RT: 9.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

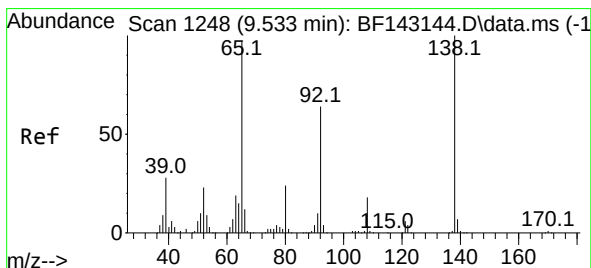
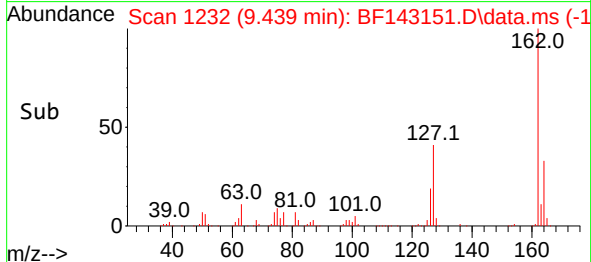
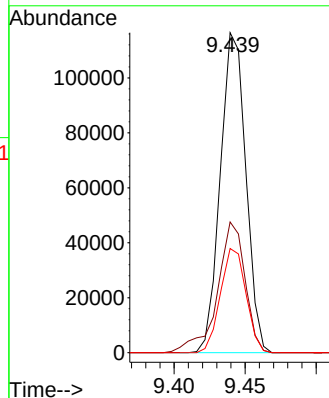
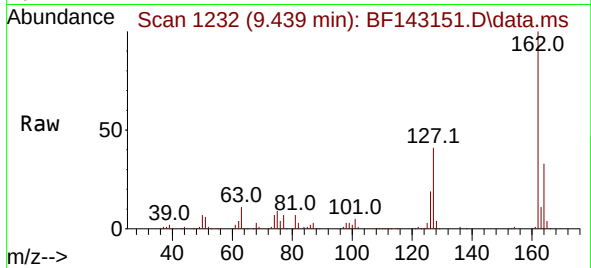
Tgt Ion:162 Resp: 145627

Ion Ratio Lower Upper

162 100

127 40.9 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 7.478 ng

RT: 9.522 min Scan# 1246

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

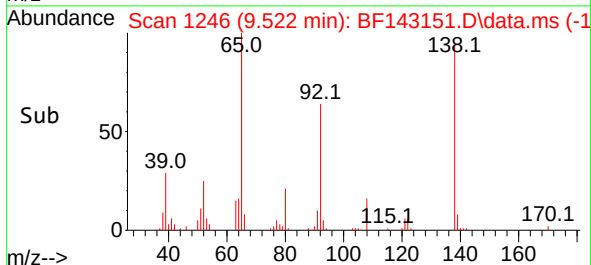
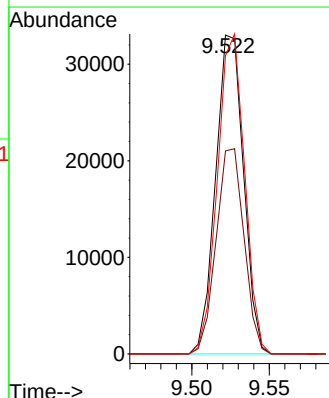
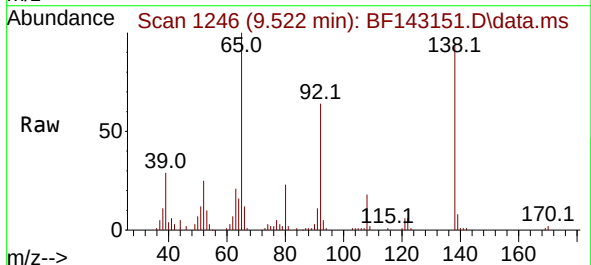
Tgt Ion: 65 Resp: 41425

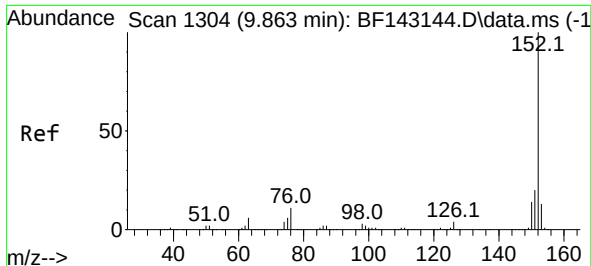
Ion Ratio Lower Upper

65 100

92 63.7 52.4 78.6

138 93.5 82.3 123.5





#49

Acenaphthylene

Concen: 8.233 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

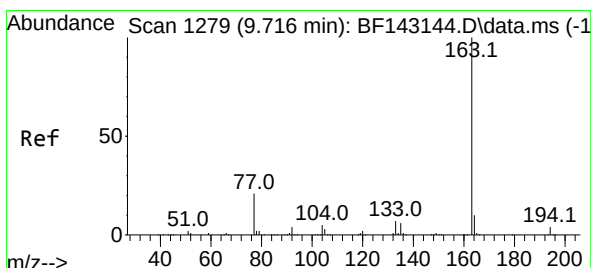
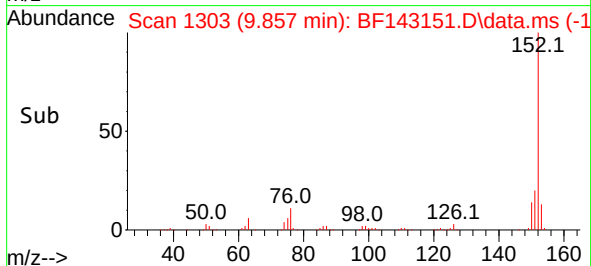
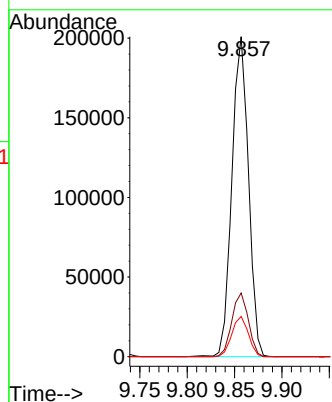
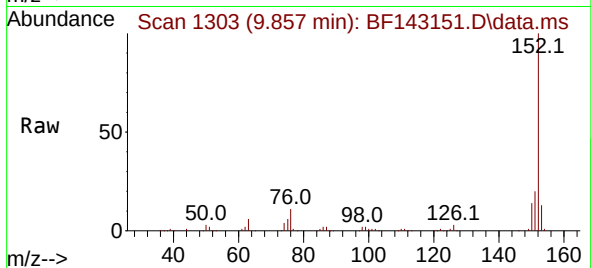
Tgt Ion:152 Resp: 243708

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 12.5 10.6 16.0



#50

Dimethylphthalate

Concen: 8.288 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

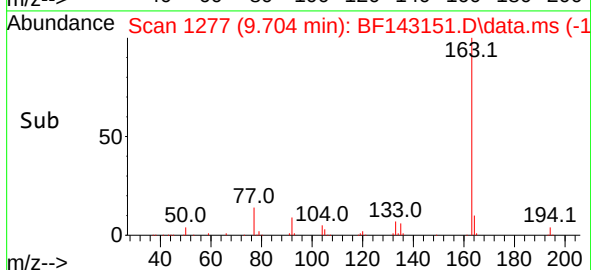
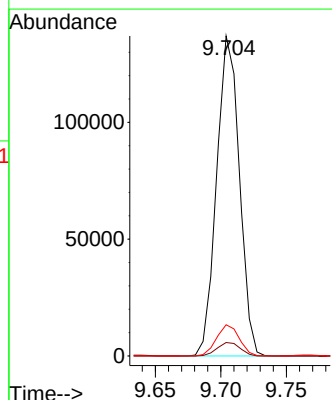
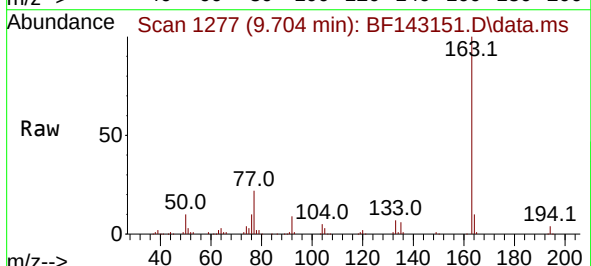
Tgt Ion:163 Resp: 165299

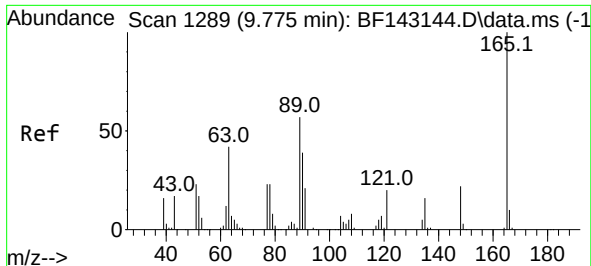
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 9.7 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 7.652 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

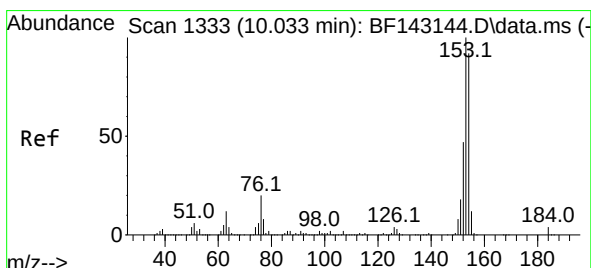
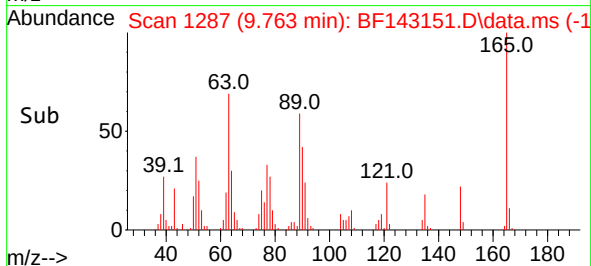
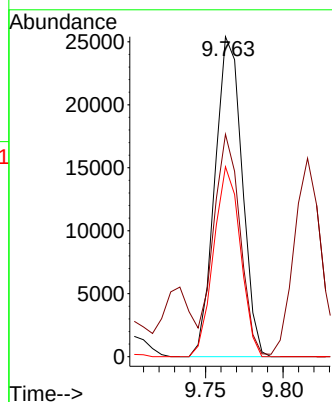
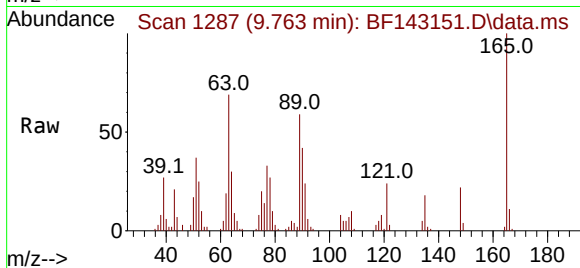
Tgt Ion:165 Resp: 31049

Ion Ratio Lower Upper

165 100

63 69.5 49.4 74.2

89 59.3 46.2 69.2



#52

Acenaphthene

Concen: 8.288 ng

RT: 10.028 min Scan# 1332

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

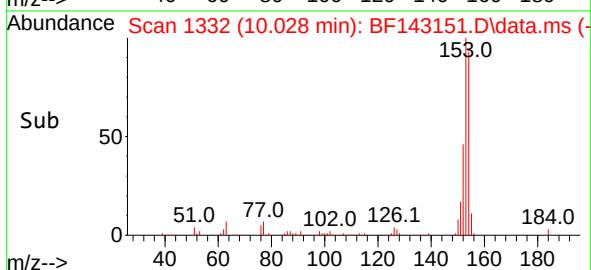
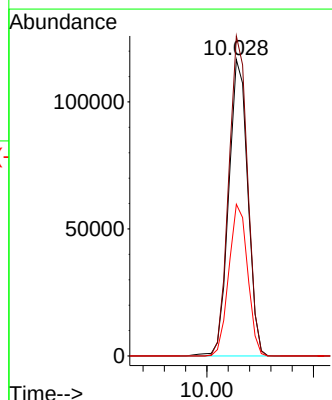
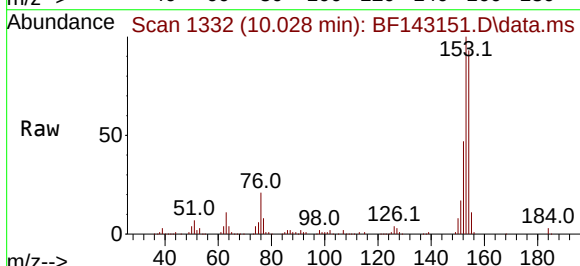
Tgt Ion:154 Resp: 145018

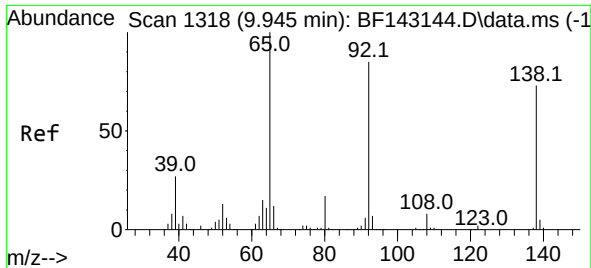
Ion Ratio Lower Upper

154 100

153 108.0 86.6 129.8

152 51.2 40.4 60.6

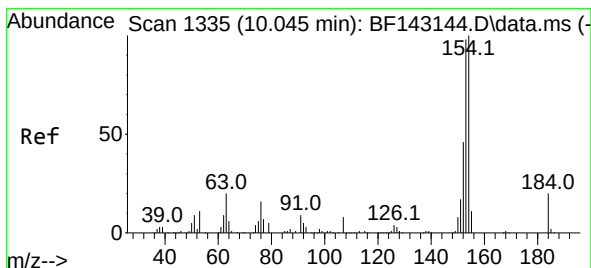
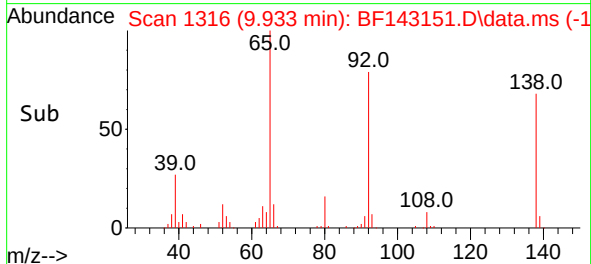
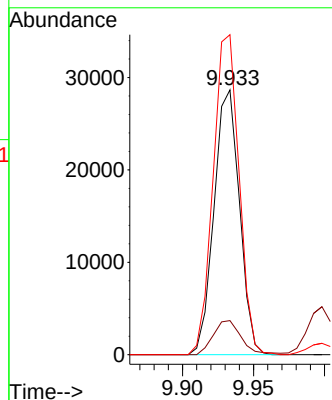
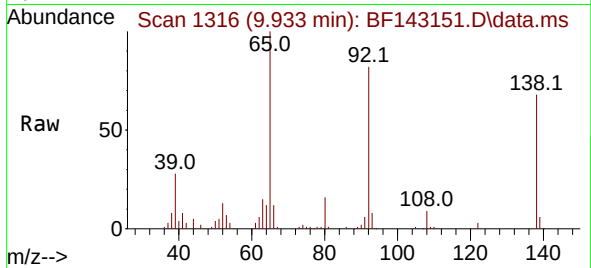




#53
3-Nitroaniline
Concen: 7.538 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

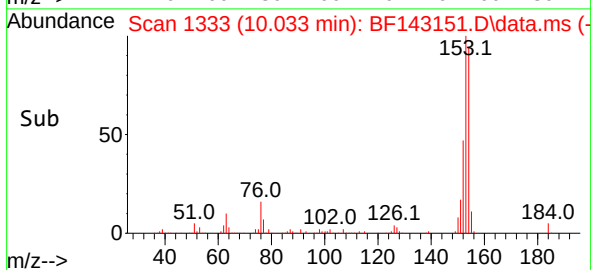
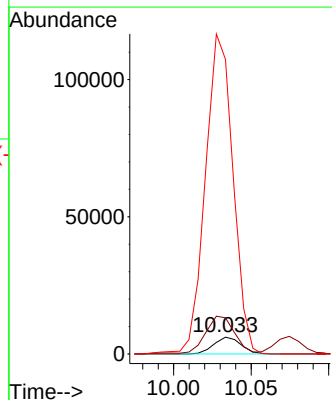
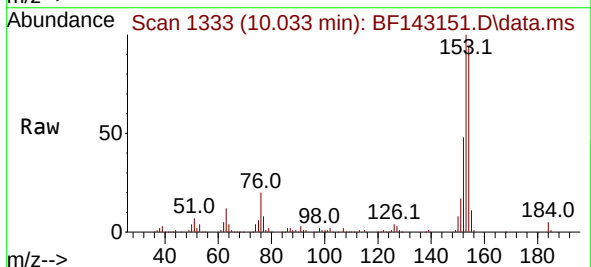
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

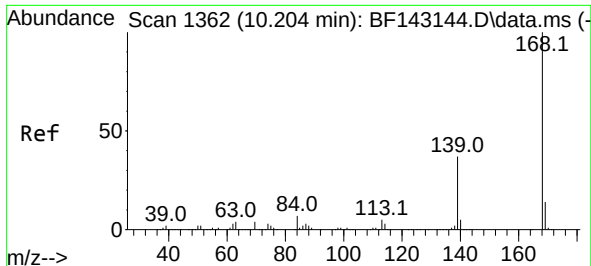
Tgt Ion:138 Resp: 35772
Ion Ratio Lower Upper
138 100
108 12.9 9.0 13.6
92 120.8 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 10.361 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:184 Resp: 7416
Ion Ratio Lower Upper
184 100
63 216.4 81.8 122.6#
154 1759.0 412.2 618.4#

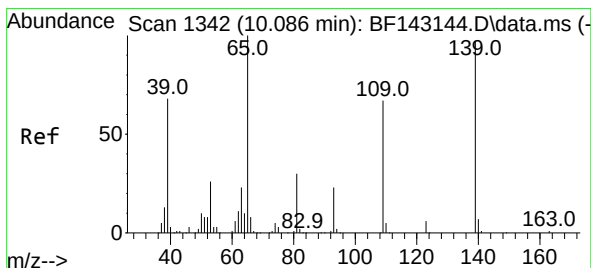
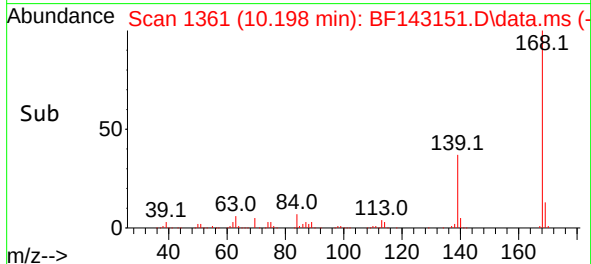
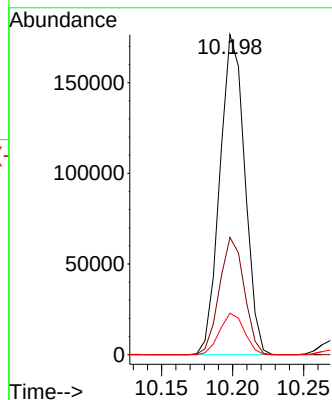
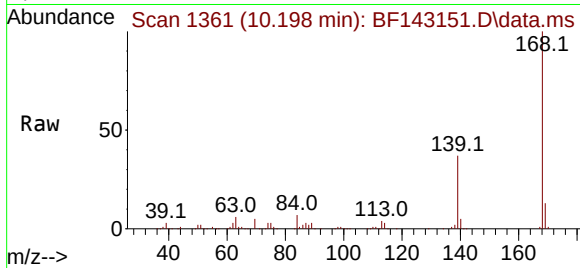




#55
Dibenzenofuran
Concen: 8.302 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

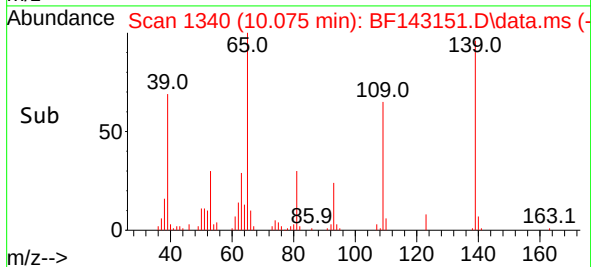
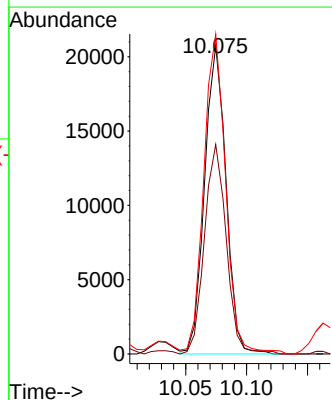
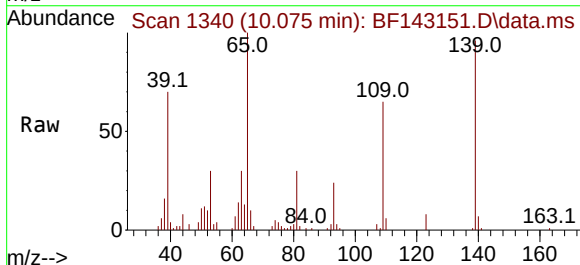
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

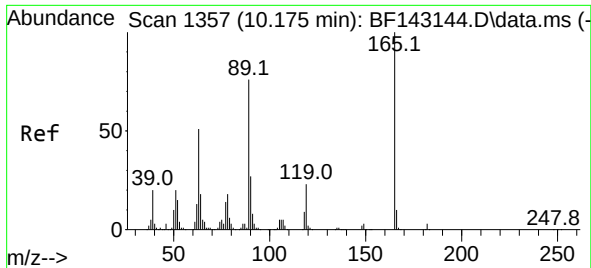
Tgt Ion:168 Resp: 215648
Ion Ratio Lower Upper
168 100
139 36.6 29.5 44.3
169 13.0 10.9 16.3



#56
4-Nitrophenol
Concen: 7.137 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:139 Resp: 25291
Ion Ratio Lower Upper
139 100
109 67.9 48.5 88.5
65 103.8 83.4 123.4

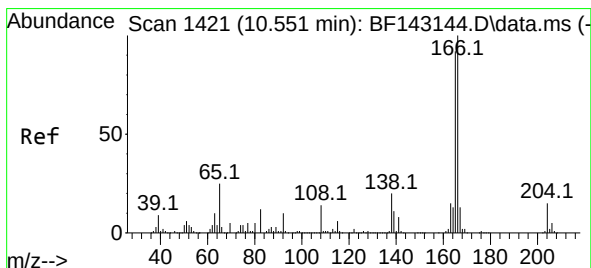
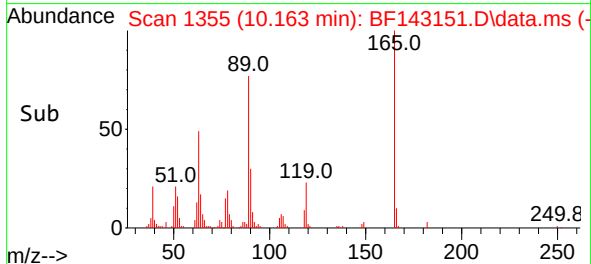
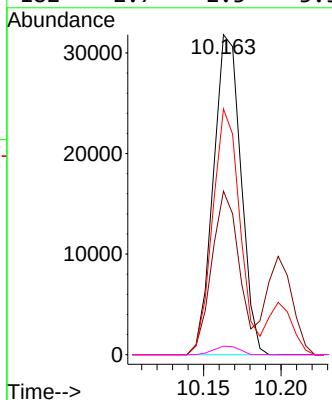
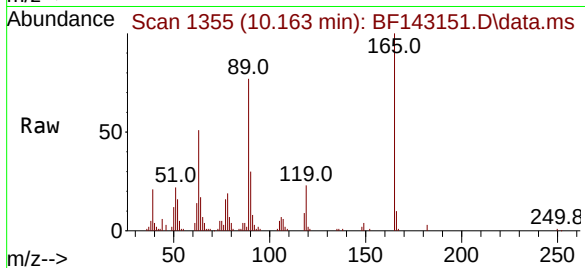




#57
2,4-Dinitrotoluene
Concen: 7.734 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

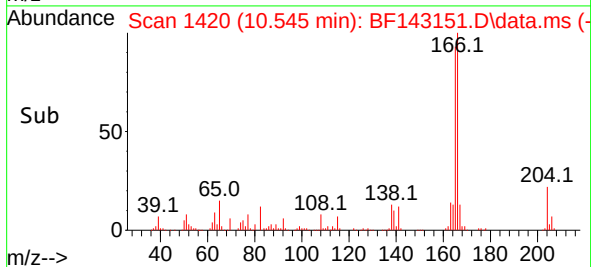
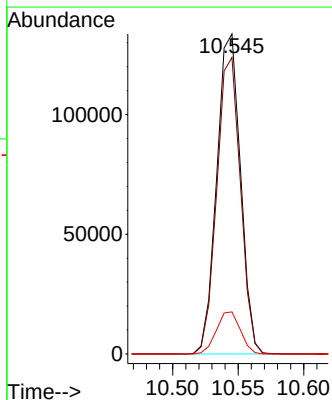
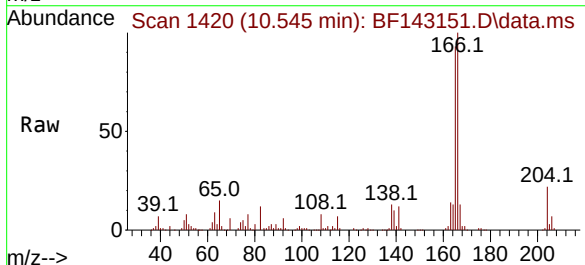
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

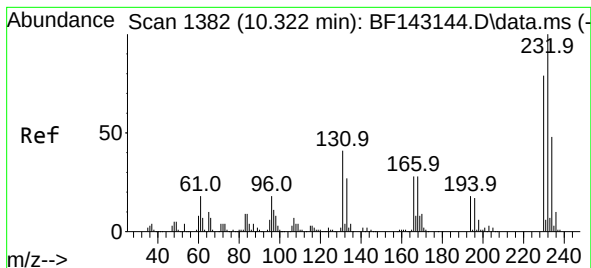
Tgt Ion	165	Resp:	39370
	Ratio	Lower	Upper
165	100		
63	51.1	41.0	61.4
89	76.8	61.1	91.7
182	2.7	2.3	3.5



#58
Fluorene
Concen: 8.622 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:166	Resp:	168095	
Ion	Ratio	Lower	Upper
166	100		
165	92.6	73.7	110.5
167	13.2	10.6	16.0

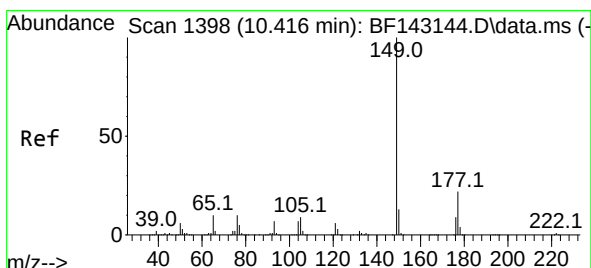
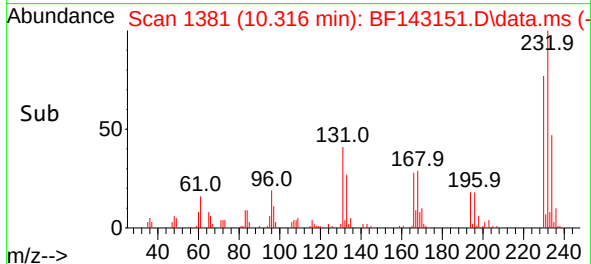
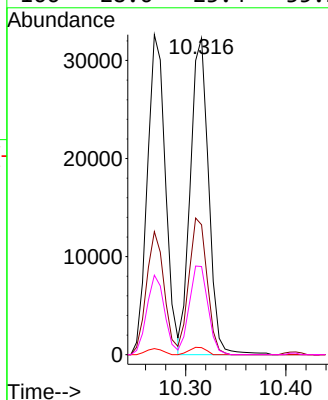
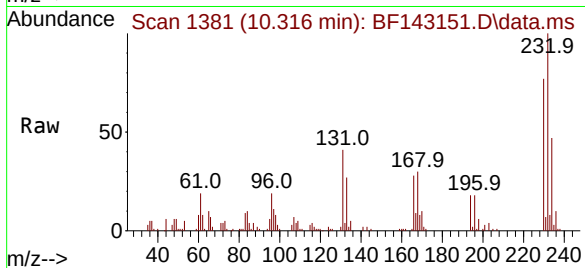




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.044 ng
RT: 10.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

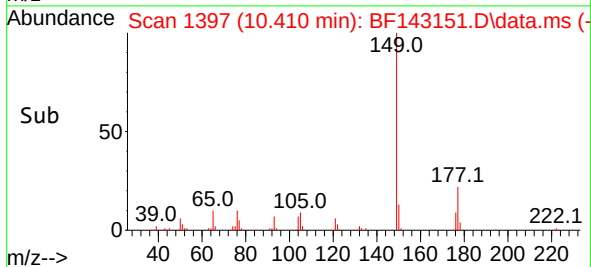
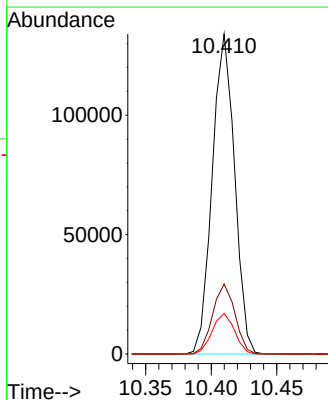
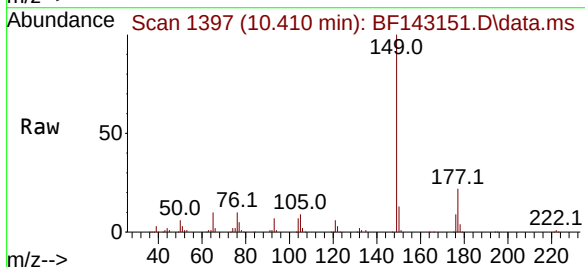
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

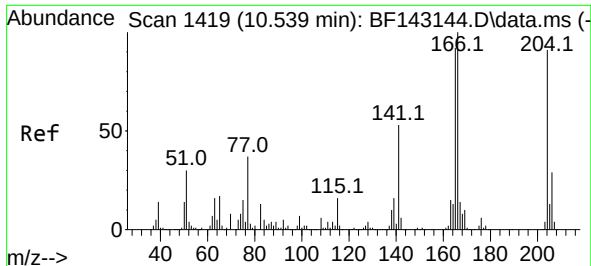
Tgt Ion:232 Resp: 40754
Ion Ratio Lower Upper
232 100
131 42.8 35.3 52.9
130 2.1 1.7 2.5
166 28.6 23.4 35.2



#60
Diethylphthalate
Concen: 8.043 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:149 Resp: 158560
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.7 10.2 15.2

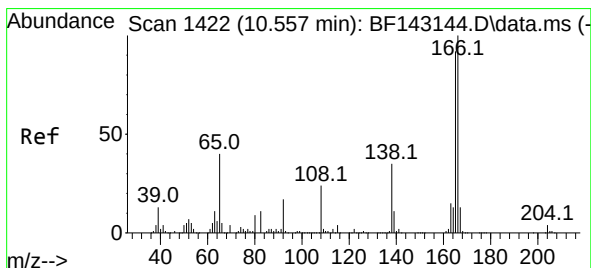
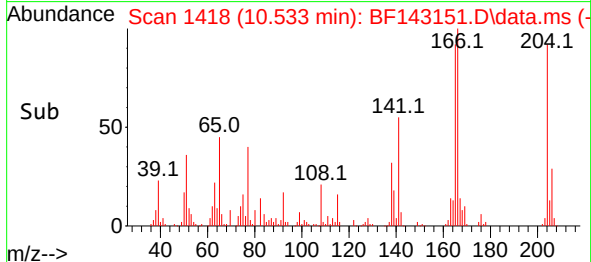
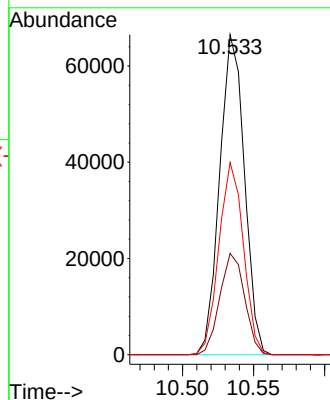
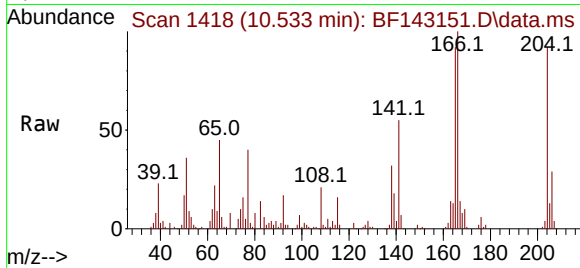




#61
4-Chlorophenyl-phenylether
Concen: 8.298 ng
RT: 10.533 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

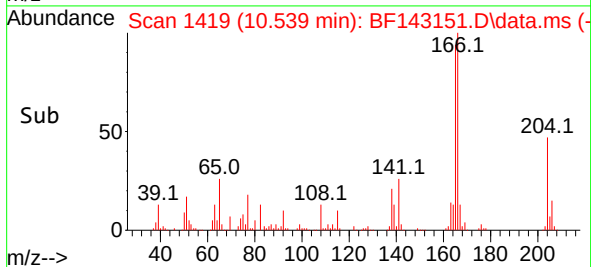
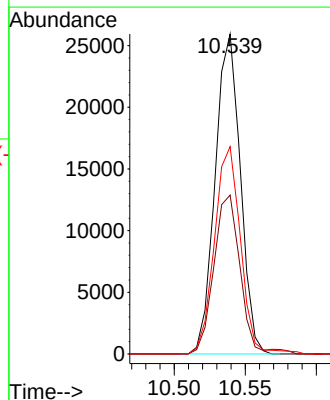
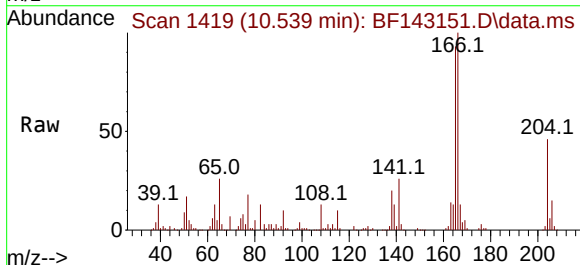
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

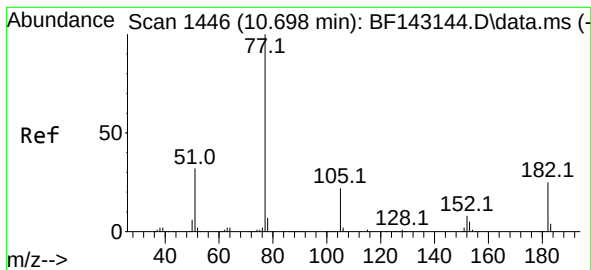
Tgt Ion:204 Resp: 80551
Ion Ratio Lower Upper
204 100
206 31.6 25.8 38.8
141 60.1 47.0 70.4



#62
4-Nitroaniline
Concen: 7.859 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:138 Resp: 31964
Ion Ratio Lower Upper
138 100
92 49.6 29.3 69.3
108 64.8 48.3 88.3





#63

Azobenzene

Concen: 8.125 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 166946

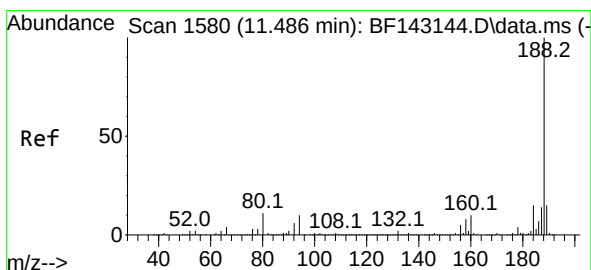
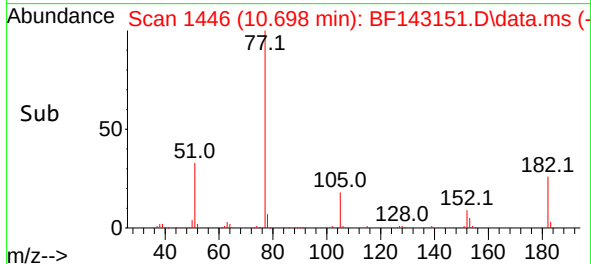
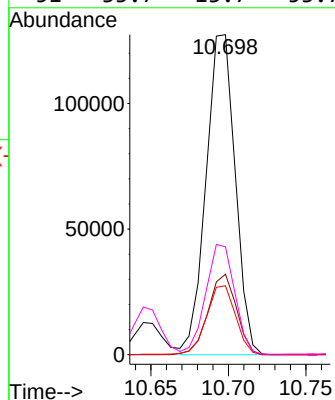
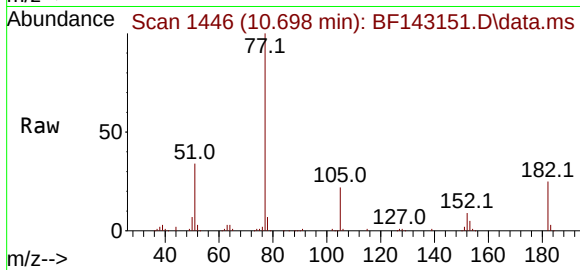
Ion Ratio Lower Upper

77 100

182 25.1 4.6 44.6

105 21.6 1.4 41.4

51 33.7 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

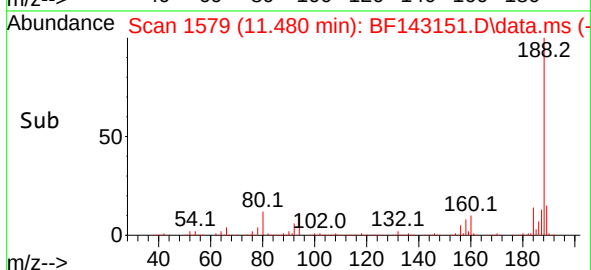
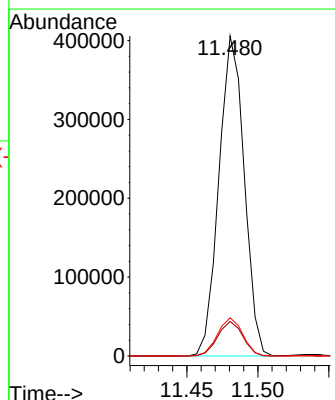
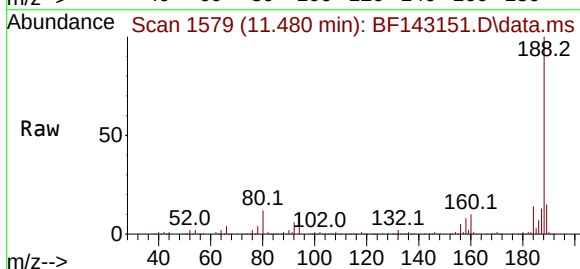
Tgt Ion:188 Resp: 502822

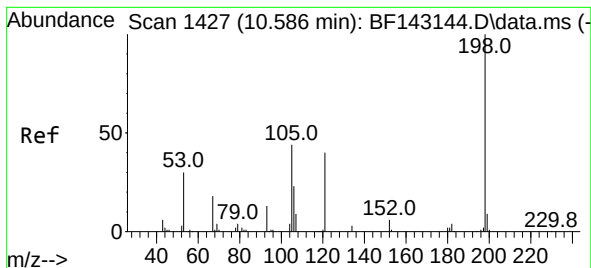
Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 12.0 9.0 13.6

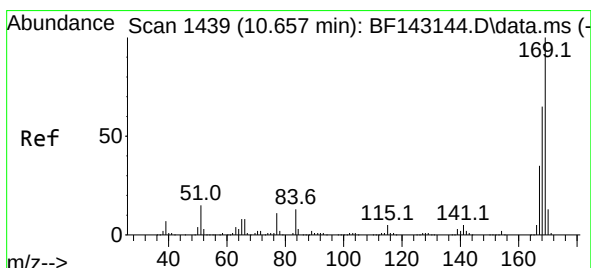
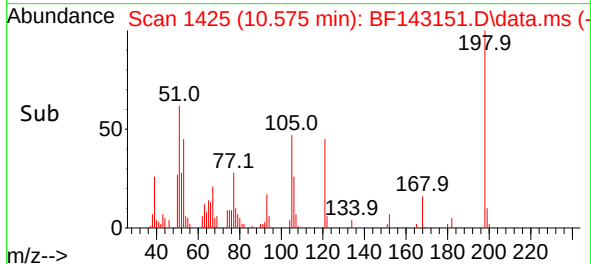
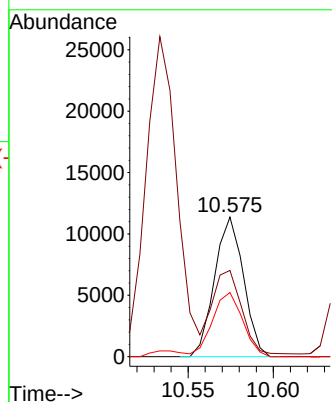
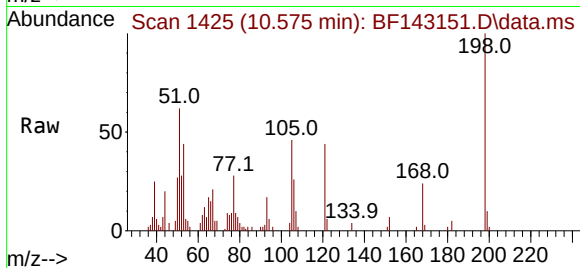




#65
4,6-Dinitro-2-methylphenol
Concen: 9.935 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

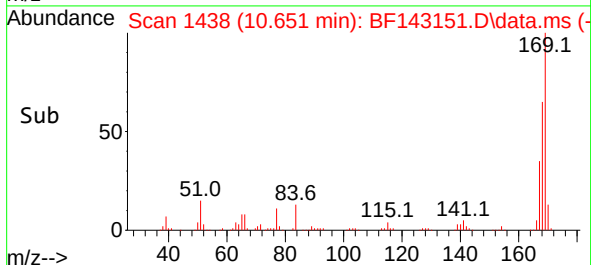
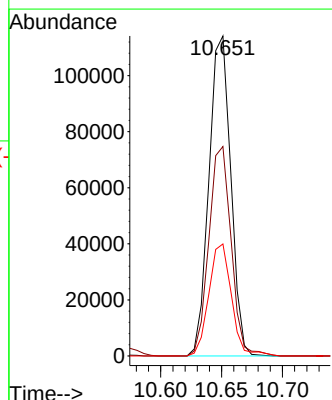
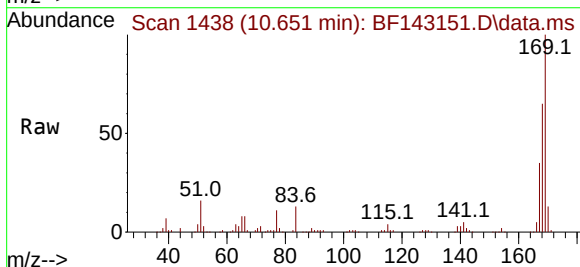
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

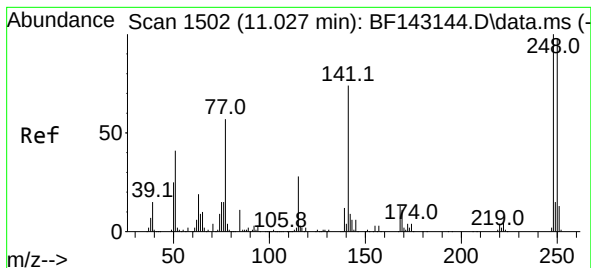
Tgt Ion:198 Resp: 13436
Ion Ratio Lower Upper
198 100
51 61.9 37.2 77.2
105 46.0 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 8.023 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:169 Resp: 142051
Ion Ratio Lower Upper
169 100
168 65.5 52.1 78.1
167 35.0 28.2 42.2

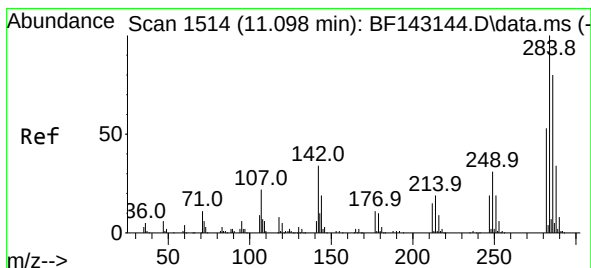
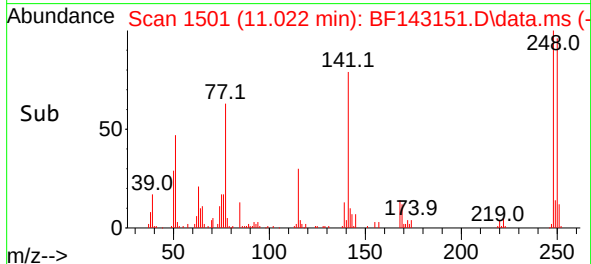
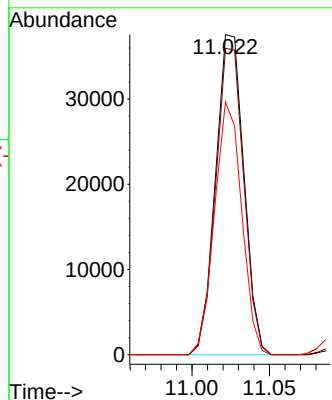
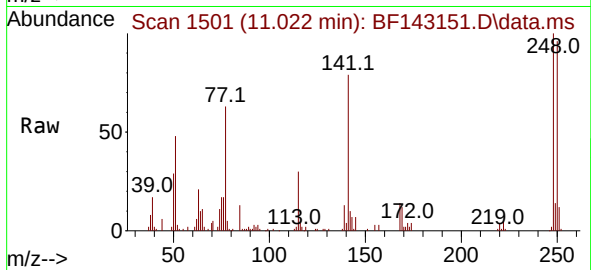




#67
4-Bromophenyl-phenylether
Concen: 7.970 ng
RT: 11.022 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

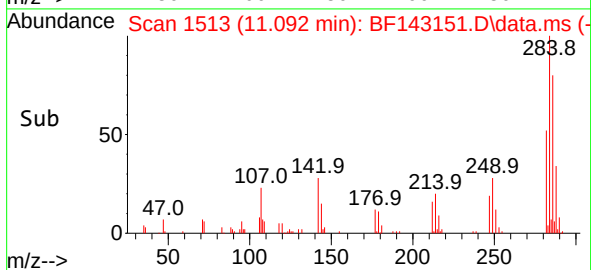
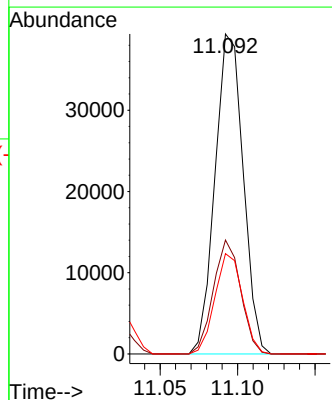
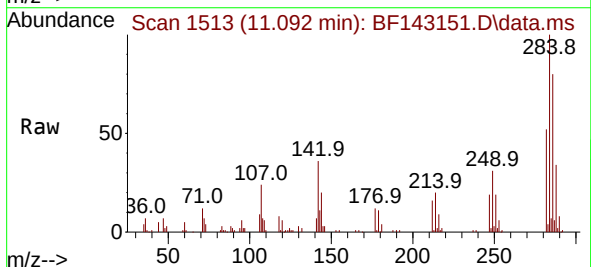
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

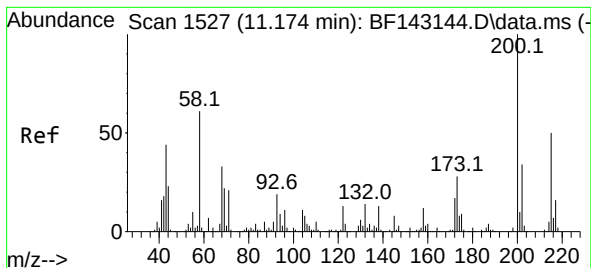
Tgt Ion:248 Resp: 47760
Ion Ratio Lower Upper
248 100
250 95.7 78.3 117.5
141 79.0 59.2 88.8



#68
Hexachlorobenzene
Concen: 7.955 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:284 Resp: 49825
Ion Ratio Lower Upper
284 100
142 35.6 27.0 40.6
249 31.4 25.0 37.6





#69

Atrazine

Concen: 7.674 ng

RT: 11.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

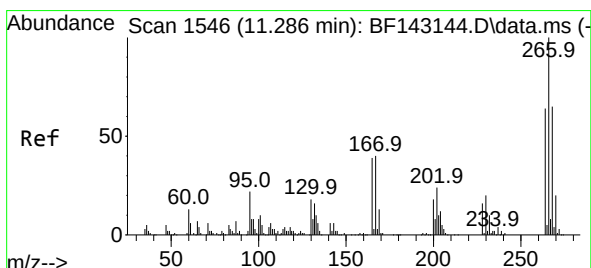
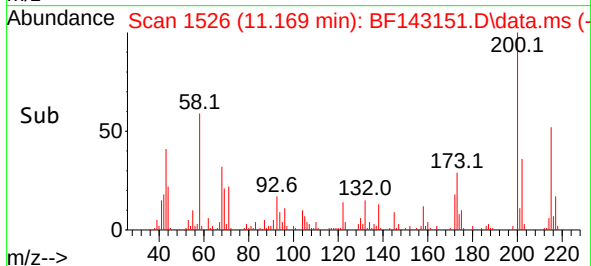
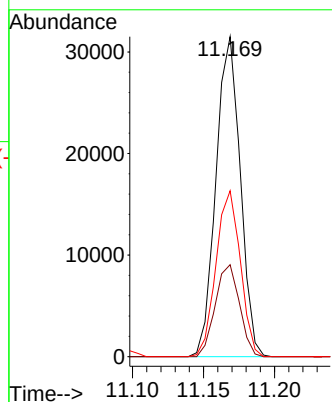
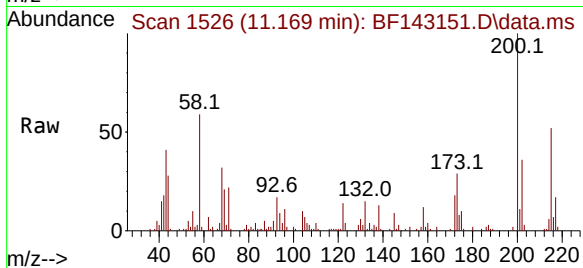
Tgt Ion:200 Resp: 37459

Ion Ratio Lower Upper

200 100

173 28.8 7.9 47.9

215 51.9 30.1 70.1



#70

Pentachlorophenol

Concen: 6.768 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

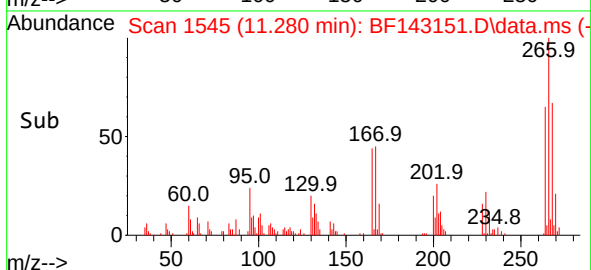
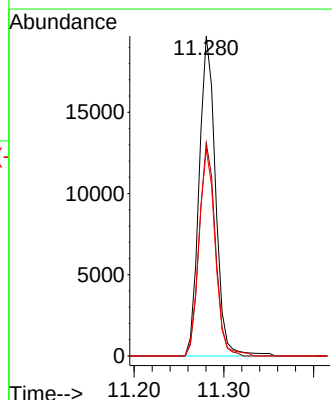
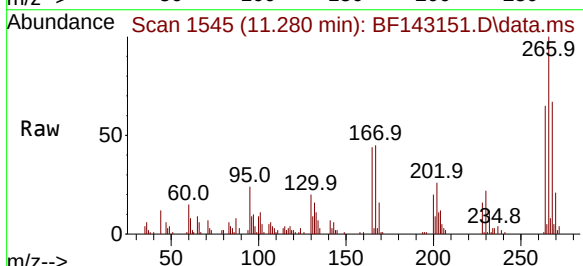
Tgt Ion:266 Resp: 24928

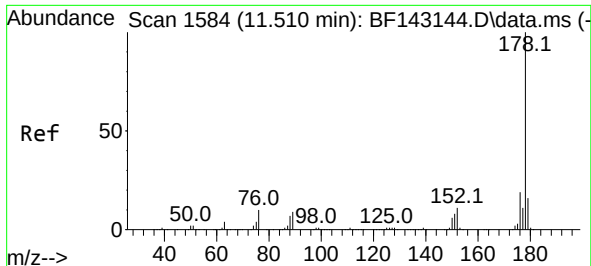
Ion Ratio Lower Upper

266 100

268 66.6 51.9 77.9

264 64.6 51.0 76.6

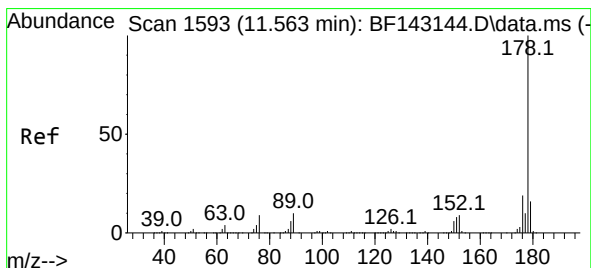
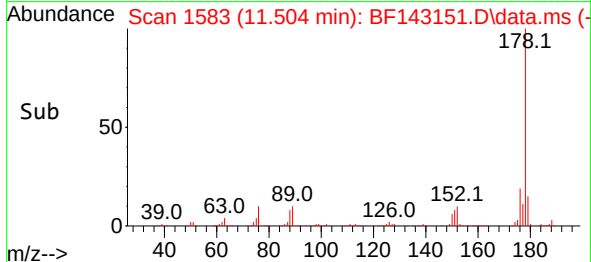
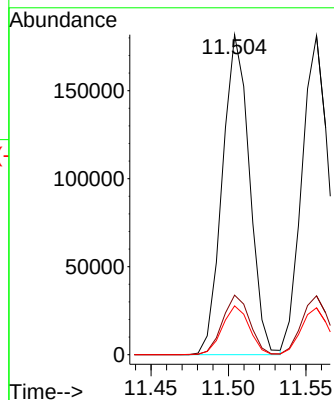
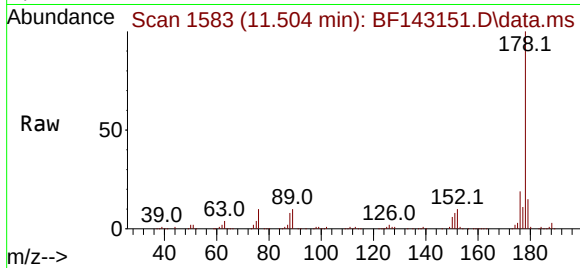




#71
Phenanthrene
Concen: 8.289 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

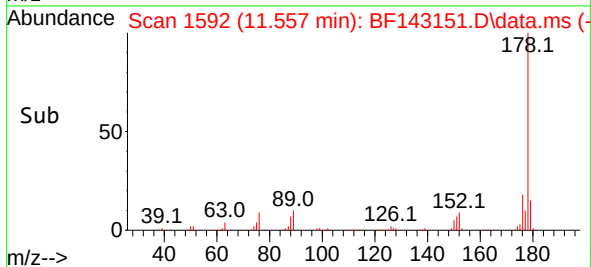
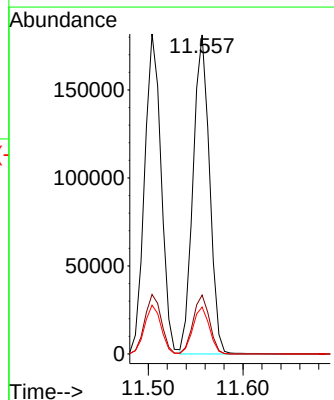
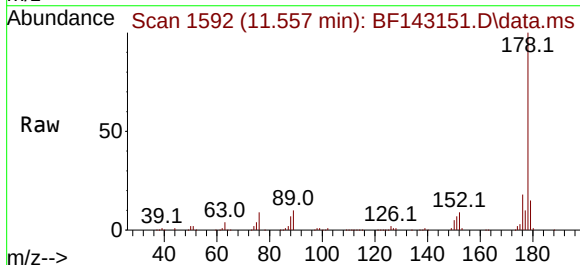
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

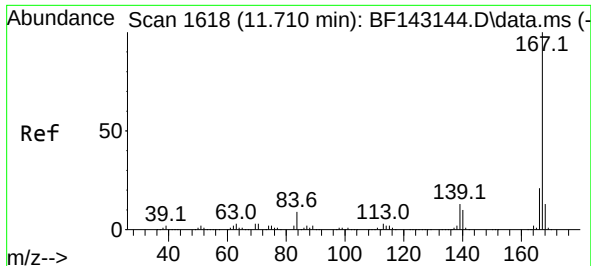
Tgt Ion:178 Resp: 221308
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 8.045 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

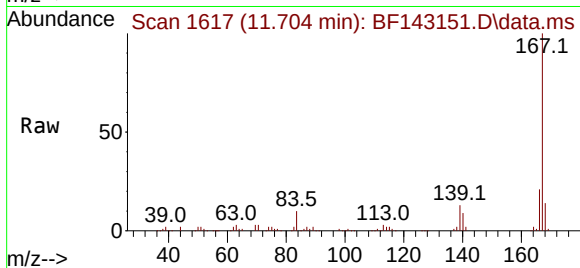
Tgt Ion:178 Resp: 219064
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 14.7 12.5 18.7



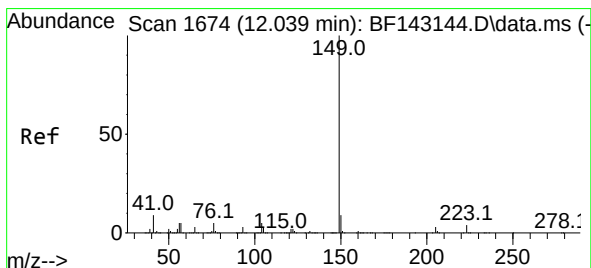
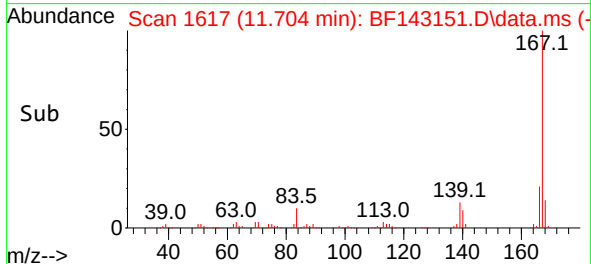
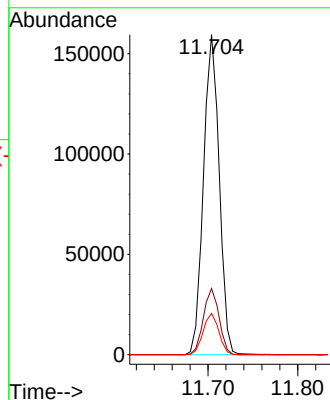


#73
 Carbazole
 Concen: 8.162 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

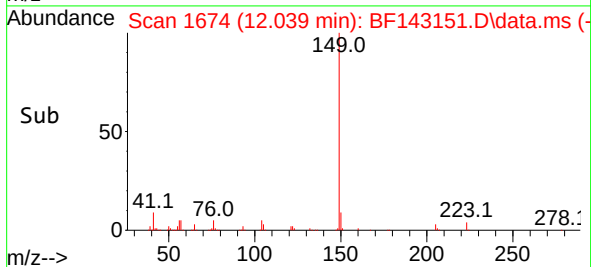
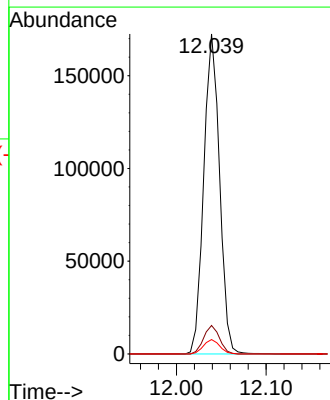
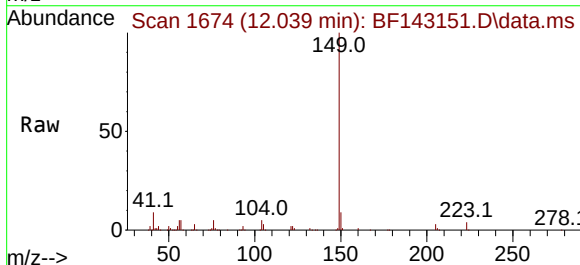


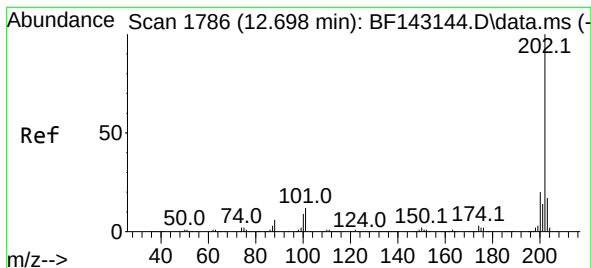
Tgt Ion:167 Resp: 194052
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 12.9 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 7.836 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion:149 Resp: 210820
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.2
 104 4.5 3.8 5.8





#75

Fluoranthene

Concen: 8.255 ng

RT: 12.692 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

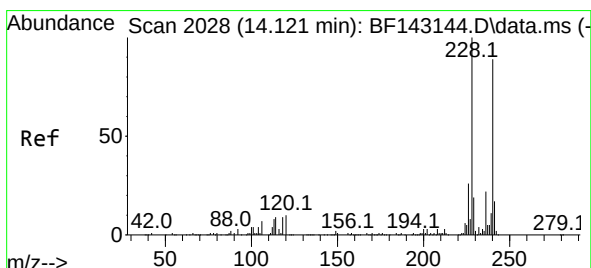
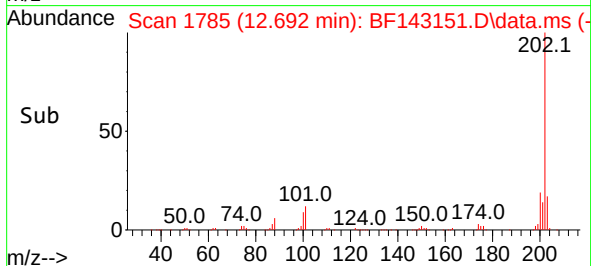
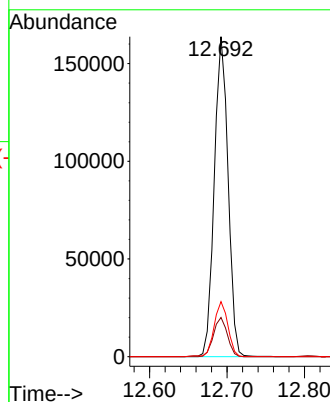
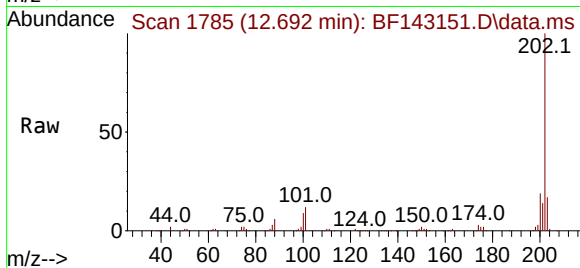
Tgt Ion:202 Resp: 202300

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.7

203 17.2 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.116 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

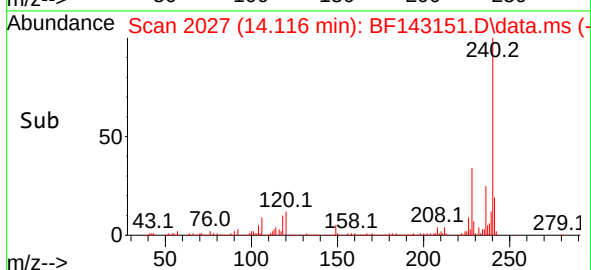
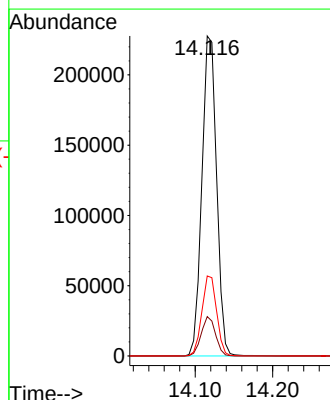
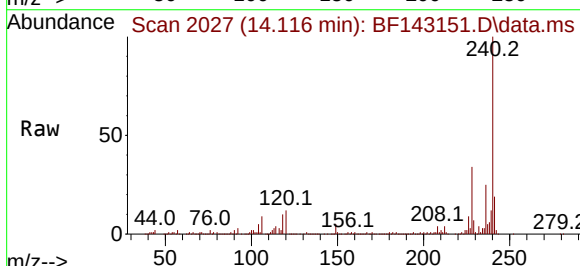
Tgt Ion:240 Resp: 300380

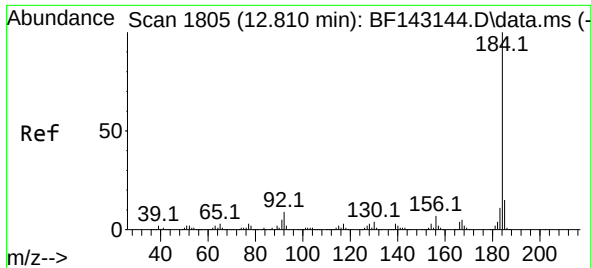
Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

236 25.0 20.2 30.4





#77

Benzidine

Concen: 7.133 ng

RT: 12.804 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

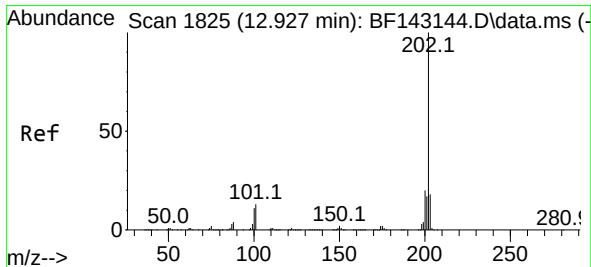
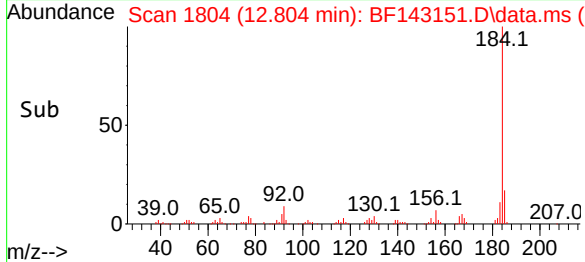
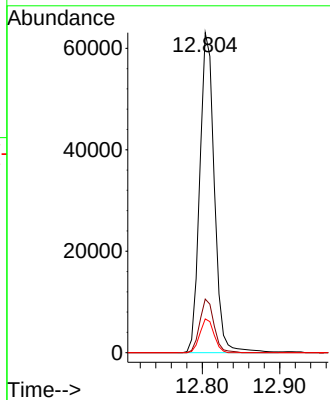
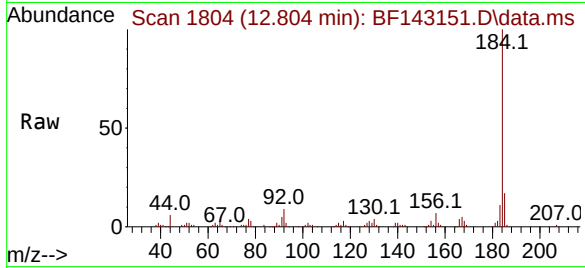
Tgt Ion:184 Resp: 82554

Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.4

183 10.5 9.0 13.4



#78

Pyrene

Concen: 7.928 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

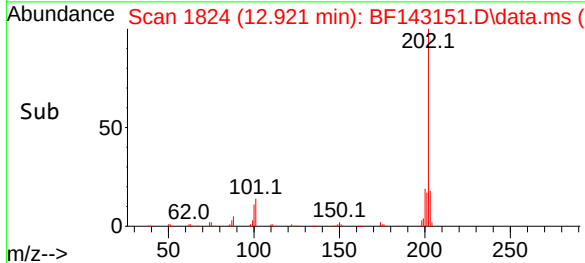
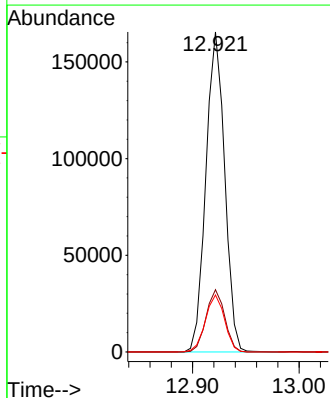
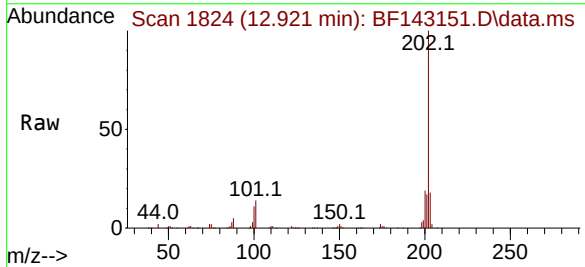
Tgt Ion:202 Resp: 203242

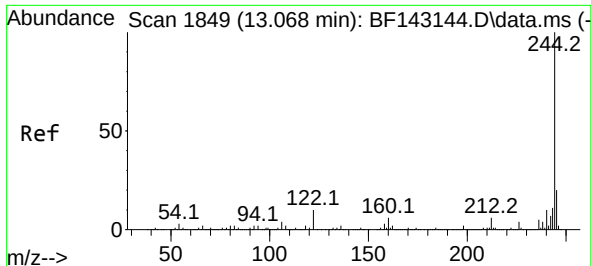
Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

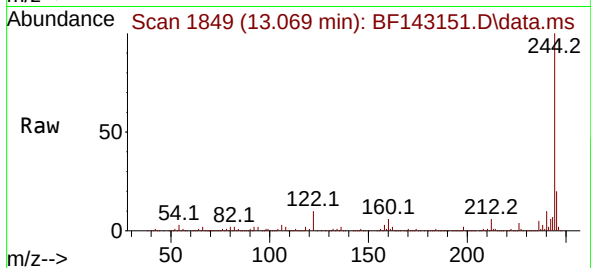
203 17.8 14.2 21.2





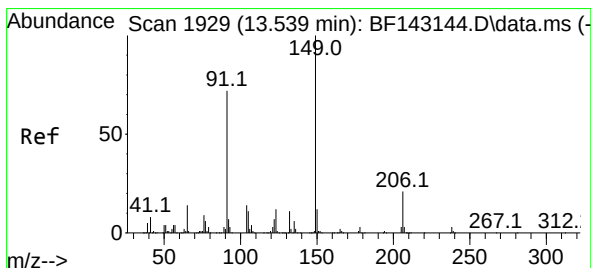
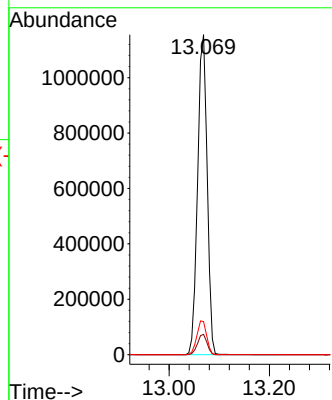
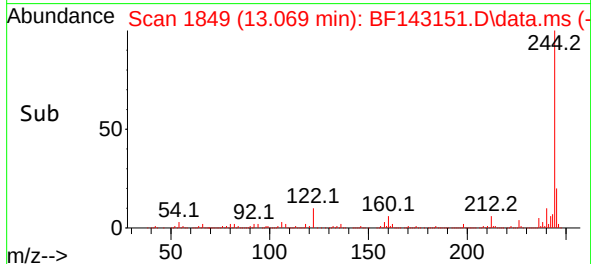
#79
 Terphenyl-d14
 Concen: 75.364 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



Tgt Ion:244 Resp: 1521252

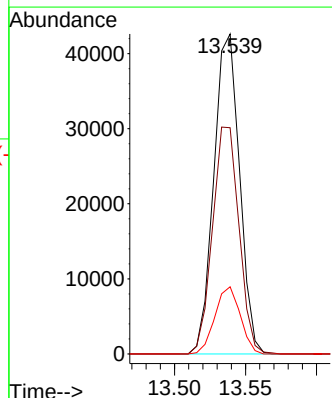
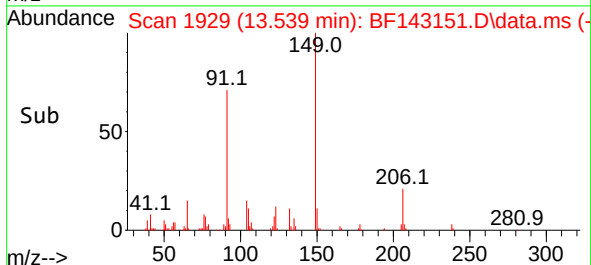
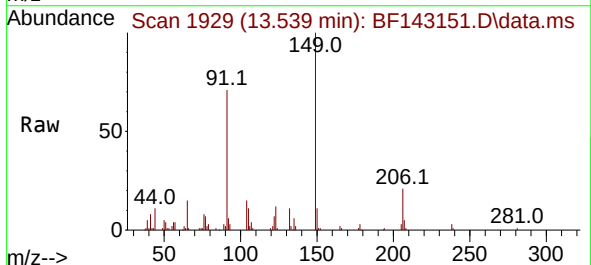
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.4	8.2	12.2

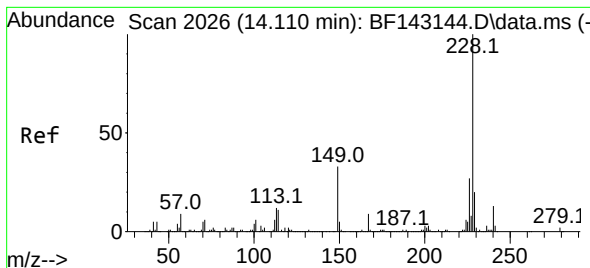


#80
 Butylbenzylphthalate
 Concen: 6.834 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion:149 Resp: 53651

Ion	Ratio	Lower	Upper
149	100		
91	70.7	57.9	86.9
206	21.0	17.0	25.4





#81

Benzo(a)anthracene

Concen: 7.866 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

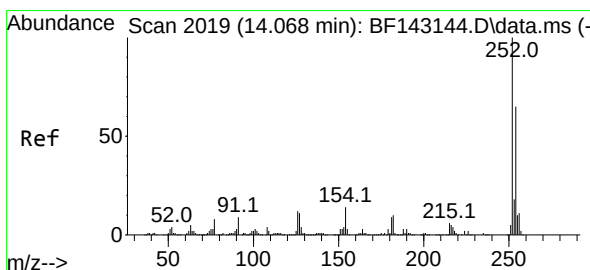
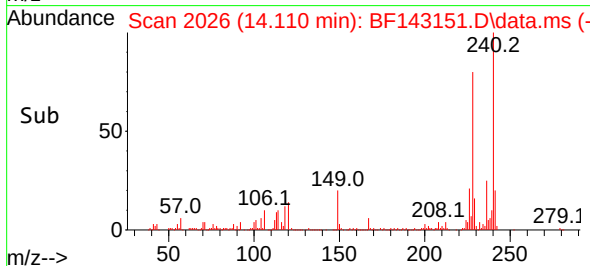
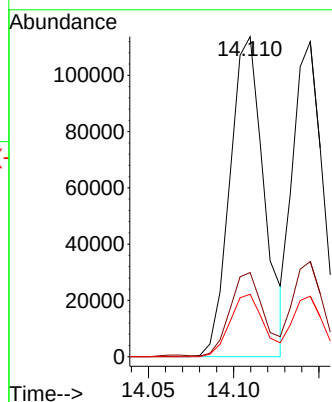
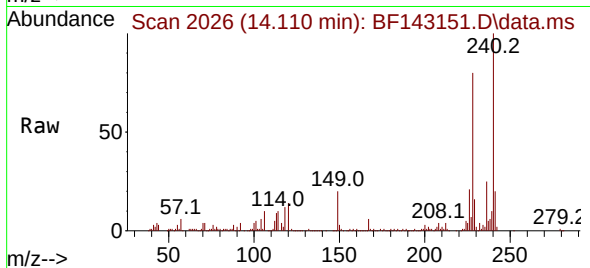
Tgt Ion:228 Resp: 158193

Ion Ratio Lower Upper

228 100

226 26.3 21.7 32.5

229 19.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 7.229 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

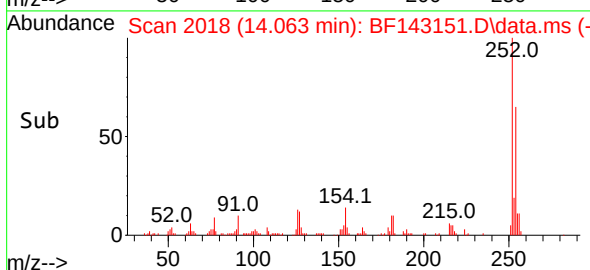
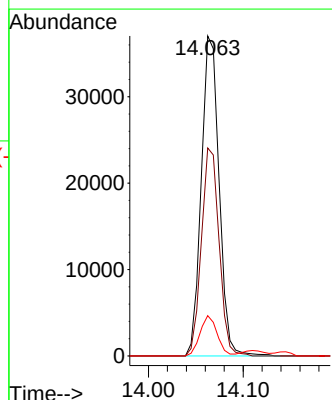
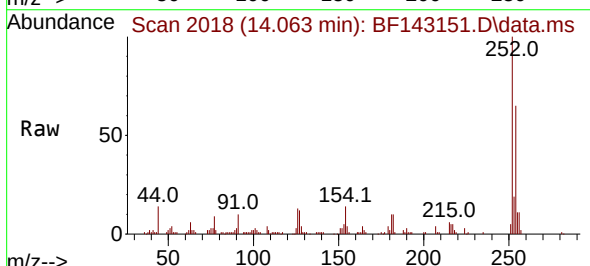
Tgt Ion:252 Resp: 48451

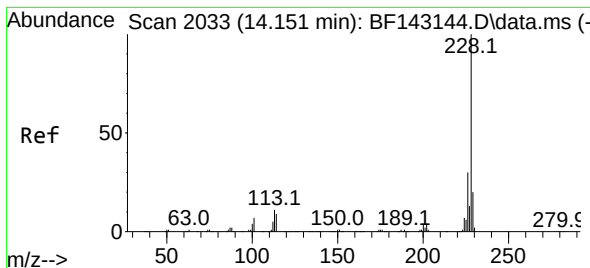
Ion Ratio Lower Upper

252 100

254 65.0 51.7 77.5

126 12.6 9.4 14.0





#83

Chrysene

Concen: 7.545 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

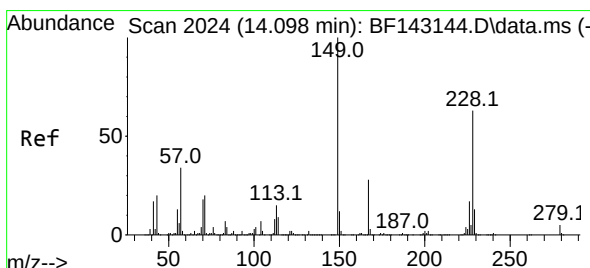
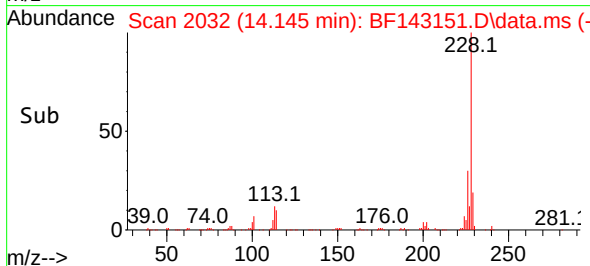
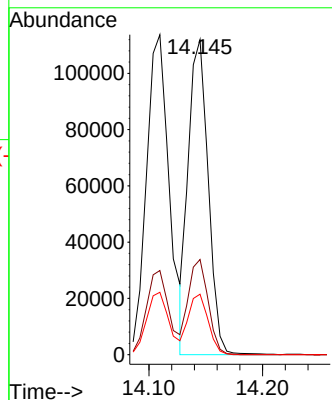
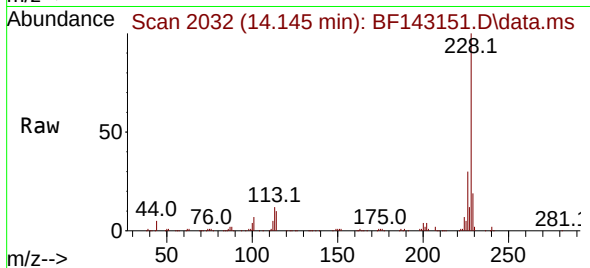
Tgt Ion:228 Resp: 136415

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 19.2 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.004 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

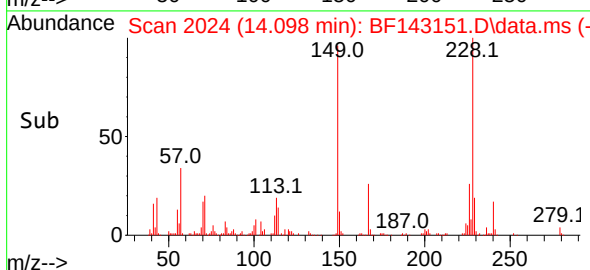
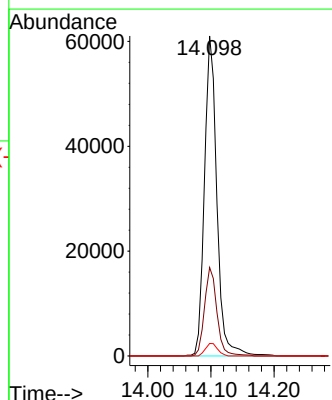
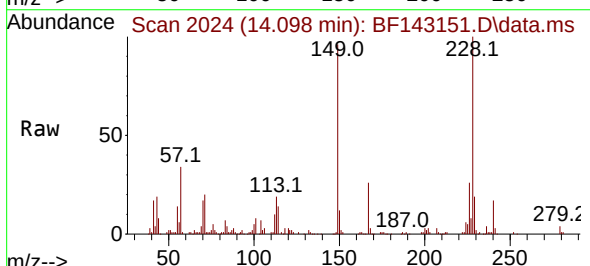
Tgt Ion:149 Resp: 83220

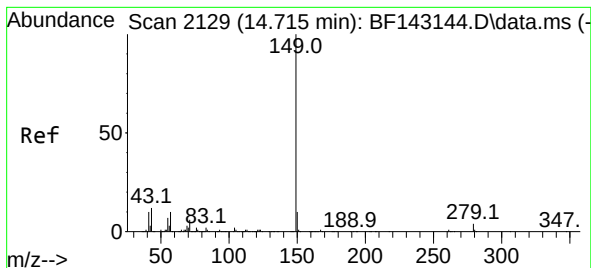
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

279 3.9 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 6.498 ng

RT: 14.715 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

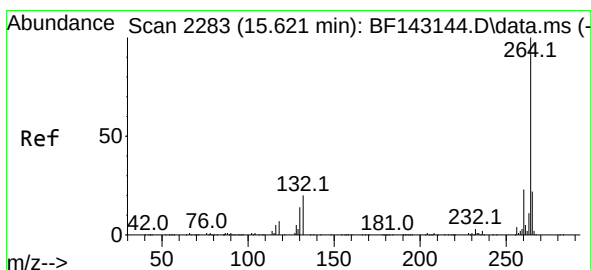
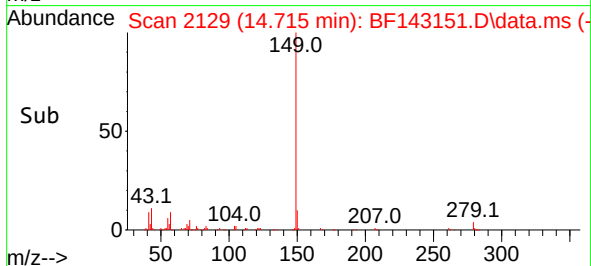
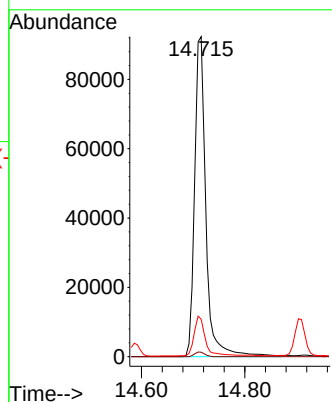
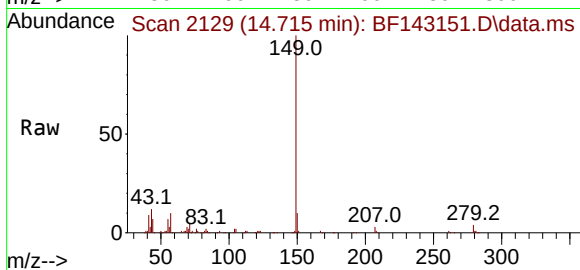
Tgt Ion:149 Resp: 139958

Ion Ratio Lower Upper

149 100

167 1.3 1.1 1.7

43 12.2 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

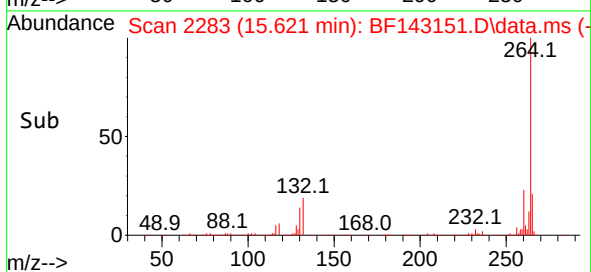
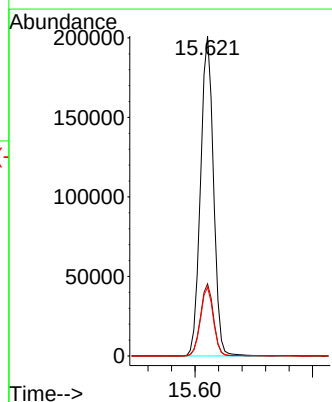
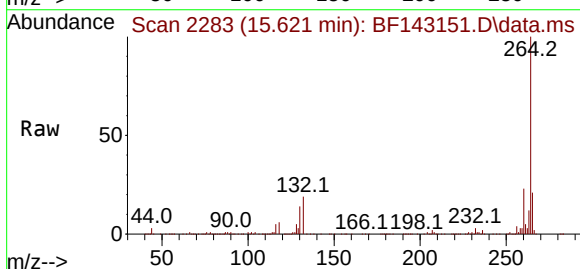
Tgt Ion:264 Resp: 307175

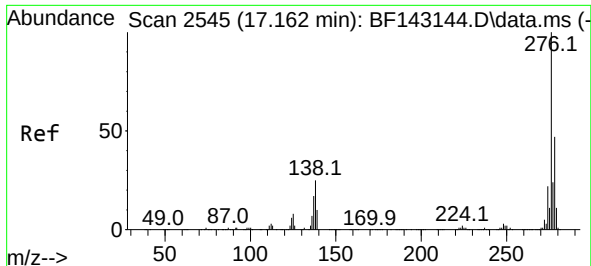
Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

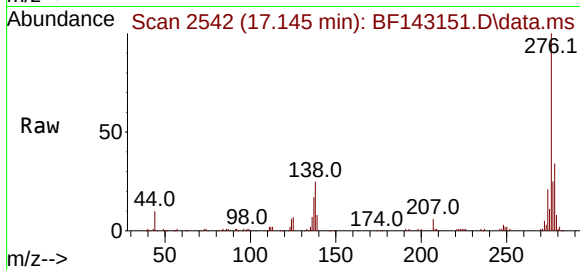
265 21.4 17.4 26.2



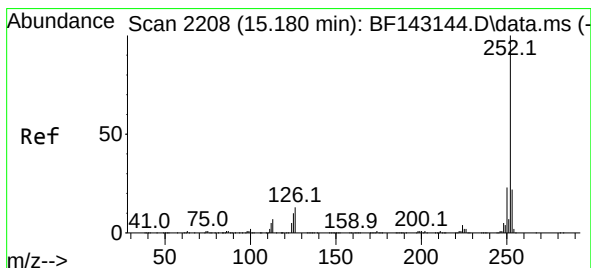
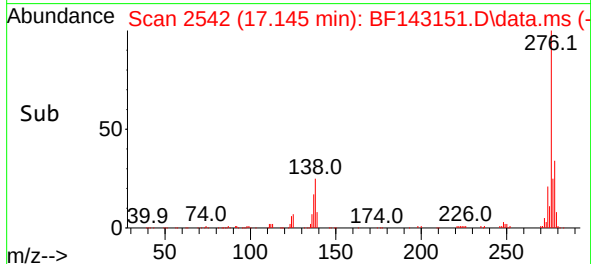
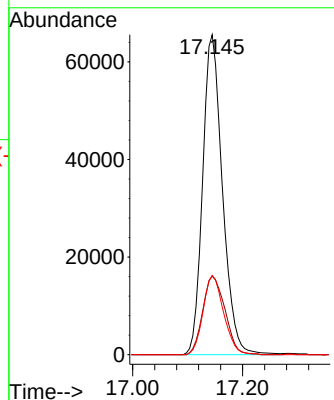


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.587 ng
 RT: 17.145 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

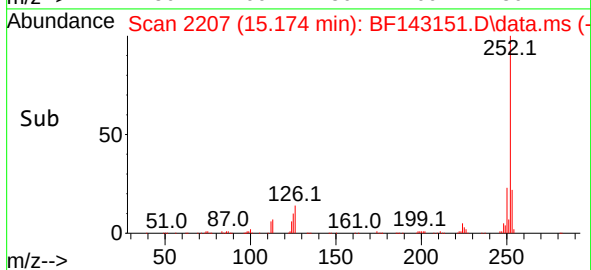
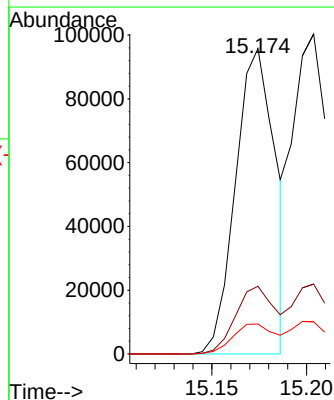
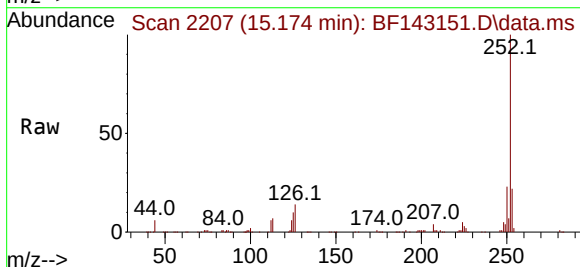


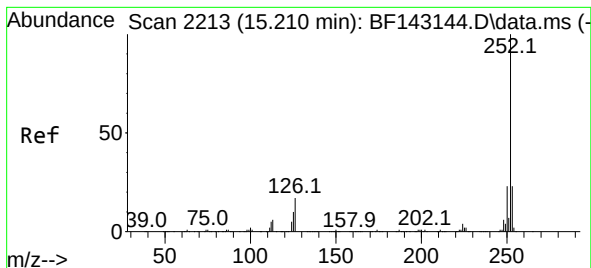
Tgt Ion:276 Resp: 164329
 Ion Ratio Lower Upper
 276 100
 138 27.4 21.8 32.6
 277 25.6 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 7.414 ng
 RT: 15.174 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF143151.D
 Acq: 17 Jul 2025 16:36

Tgt Ion:252 Resp: 139123
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 9.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 8.309 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

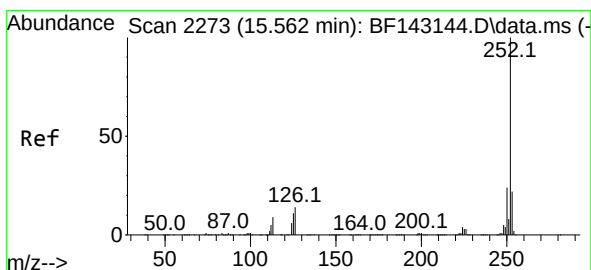
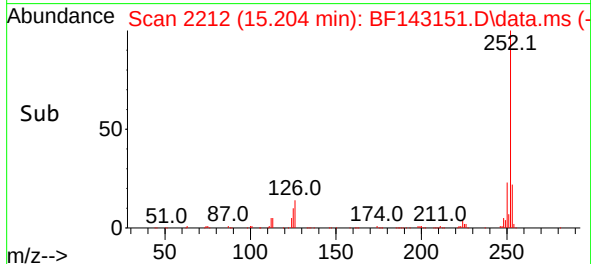
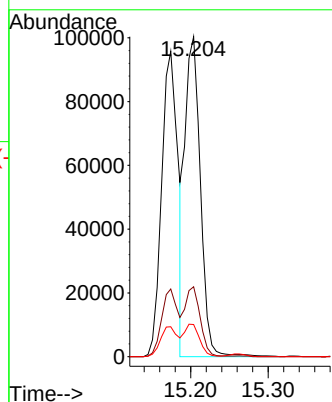
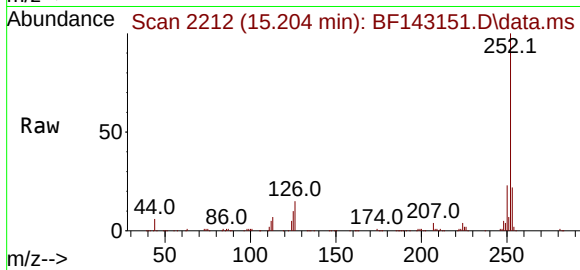
Tgt Ion:252 Resp: 139146

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.1 8.1 12.1



#90

Benzo(a)pyrene

Concen: 7.621 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF143151.D

Acq: 17 Jul 2025 16:36

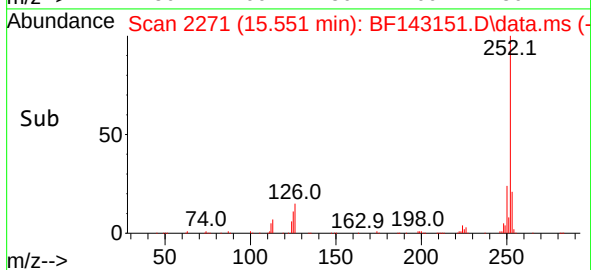
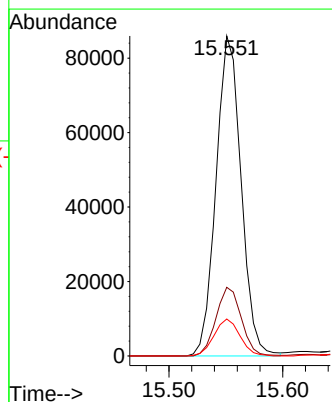
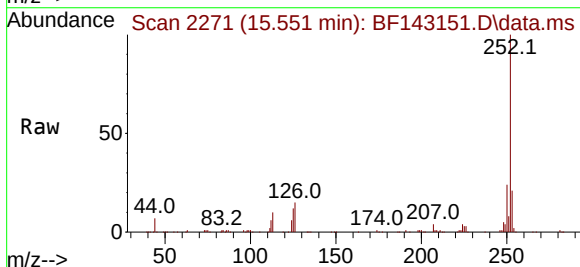
Tgt Ion:252 Resp: 131757

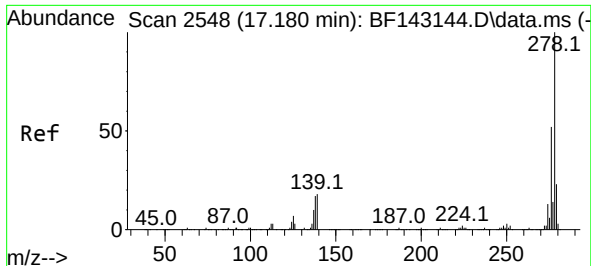
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

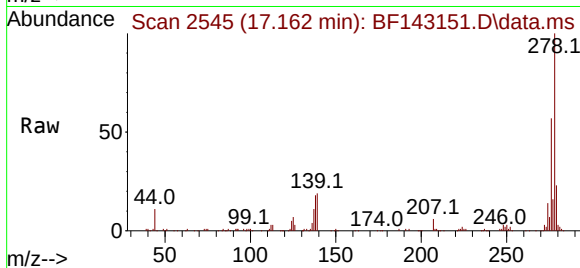
125 11.6 8.6 13.0



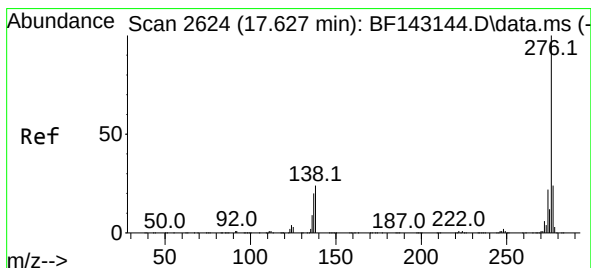
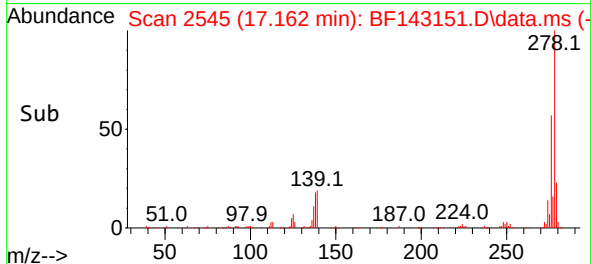
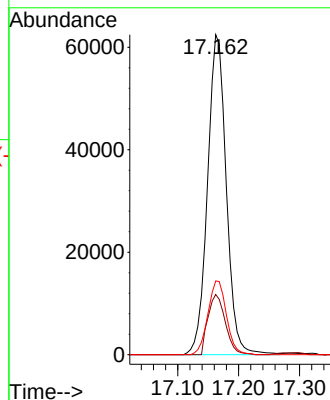


#91
Dibenzo(a,h)anthracene
Concen: 7.596 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:278 Resp: 133923
Ion Ratio Lower Upper
278 100
139 18.8 14.1 21.1
279 23.1 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 7.485 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143151.D
Acq: 17 Jul 2025 16:36

Tgt Ion:276 Resp: 127643
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 23.5 18.9 28.3

