

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143150.D
 Acq On : 17 Jul 2025 16:06
 Operator : RC/JU
 Sample : Q2126-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 17 16:27:17 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	167080	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	651651	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	336879	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	558964	20.000	ng	0.00
76) Chrysene-d12	14.116	240	326988	20.000	ng	0.00
86) Perylene-d12	15.621	264	339766	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1149663	108.888	ng	0.00
7) Phenol-d6	6.587	99	1515292	114.022	ng	0.00
23) Nitrobenzene-d5	7.522	82	1004740	76.856	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	425588	122.290	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1782658	72.370	ng	0.00
79) Terphenyl-d14	13.069	244	1678718	76.398	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.805	88	19601	3.923	ng	96
3) Pyridine	3.634	79	47191	3.639	ng	96
4) n-Nitrosodimethylamine	3.505	42	24803	3.705	ng	# 98
6) Aniline	6.622	93	73943	3.992	ng	99
8) 2-Chlorophenol	6.751	128	45447	4.106	ng	93
9) Benzaldehyde	6.510	77	40553	4.069	ng	98
10) Phenol	6.598	94	59689	4.123	ng	# 68
11) bis(2-Chloroethyl)ether	6.693	93	45610	4.115	ng	99
12) 1,3-Dichlorobenzene	6.904	146	49679	4.132	ng	99
13) 1,4-Dichlorobenzene	6.981	146	51142	4.224	ng	98
14) 1,2-Dichlorobenzene	7.134	146	48507	4.212	ng	98
15) Benzyl Alcohol	7.087	79	40367	3.978	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	85252	4.146	ng	100
17) 2-Methylphenol	7.198	107	37302	4.009	ng	98
18) Hexachloroethane	7.481	117	17119	4.084	ng	96
19) n-Nitroso-di-n-propyla...	7.363	70	35523	4.166	ng	97
20) 3+4-Methylphenols	7.345	107	48034	4.255	ng	92
22) Acetophenone	7.357	105	67564	4.379	ng	99
24) Nitrobenzene	7.534	77	52847	4.336	ng	97
25) Isophorone	7.769	82	92001	3.987	ng	99
26) 2-Nitrophenol	7.851	139	19421	3.672	ng	99
27) 2,4-Dimethylphenol	7.881	122	43616	4.045	ng	96
28) bis(2-Chloroethoxy)met...	7.981	93	57877	4.183	ng	98
29) 2,4-Dichlorophenol	8.087	162	35123	3.863	ng	97
30) 1,2,4-Trichlorobenzene	8.181	180	39714	4.043	ng	97
31) Naphthalene	8.263	128	137551	4.286	ng	99
32) Benzoic acid	7.916	122	9695	6.602	ng	97
33) 4-Chloroaniline	8.304	127	53216	4.061	ng	99
34) Hexachlorobutadiene	8.387	225	24628	4.104	ng	98
35) Caprolactam	8.622	113	9269	3.373	ng	89
36) 4-Chloro-3-methylphenol	8.769	107	38127	3.858	ng	98
37) 2-Methylnaphthalene	8.951	142	82374	4.218	ng	100
38) 1-Methylnaphthalene	9.051	142	86248	4.289	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41855	4.303	ng	99
41) Hexachlorocyclopentadiene	9.110	237	17354	2.742	ng	97
43) 2,4,6-Trichlorophenol	9.222	196	25133	3.734	ng	99

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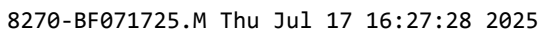
Instrument :
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 MDL-SOIL-03-QT2-2025

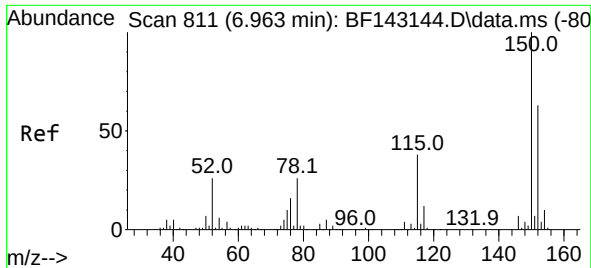
Quant Time: Jul 17 16:27:17 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	26934	4.000	ng	96
46) 1,1'-Biphenyl	9.416	154	113521	4.319	ng	100
47) 2-Chloronaphthalene	9.439	162	82013	4.217	ng	98
48) 2-Nitroaniline	9.522	65	22033	3.613	ng	92
49) Acenaphthylene	9.857	152	136662	4.193	ng	99
50) Dimethylphthalate	9.704	163	92752	4.224	ng	99
51) 2,6-Dinitrotoluene	9.763	165	16278	3.644	ng	89
52) Acenaphthene	10.028	154	81414	4.226	ng	97
53) 3-Nitroaniline	9.928	138	20216	3.869	ng	98
54) 2,4-Dinitrophenol	10.033	184	3275	8.147	ng	# 1
55) Dibenzofuran	10.198	168	123516	4.319	ng	98
56) 4-Nitrophenol	10.075	139	12824	3.287	ng	97
57) 2,4-Dinitrotoluene	10.163	165	19421	3.465	ng	93
58) Fluorene	10.539	166	94464	4.401	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.310	232	21716	3.893	ng	98
60) Diethylphthalate	10.410	149	88350	4.071	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	45082	4.218	ng	99
62) 4-Nitroaniline	10.533	138	16508	3.686	ng	95
63) Azobenzene	10.692	77	92702	4.098	ng	98
65) 4,6-Dinitro-2-methylph...	10.575	198	5914	7.203	ng	95
66) n-Nitrosodiphenylamine	10.645	169	81042	4.117	ng	100
67) 4-Bromophenyl-phenylether	11.022	248	26687	4.006	ng	97
68) Hexachlorobenzene	11.092	284	28171	4.046	ng	99
69) Atrazine	11.169	200	20747	3.823	ng	96
70) Pentachlorophenol	11.280	266	12826	3.132	ng	100
71) Phenanthrene	11.504	178	126593	4.265	ng	99
72) Anthracene	11.557	178	124949	4.128	ng	99
73) Carbazole	11.704	167	110748	4.190	ng	98
74) Di-n-butylphthalate	12.039	149	112945	3.777	ng	100
75) Fluoranthene	12.692	202	111442	4.091	ng	99
77) Benzidine	12.804	184	41914	3.327	ng	99
78) Pyrene	12.922	202	114207	4.092	ng	98
80) Butylbenzylphthalate	13.533	149	26666	3.120	ng	99
81) Benzo(a)anthracene	14.110	228	90220	4.121	ng	97
82) 3,3'-Dichlorobenzidine	14.063	252	24852	3.406	ng	99
83) Chrysene	14.145	228	75056	3.813	ng	98
84) Bis(2-ethylhexyl)phtha...	14.098	149	42441	3.281	ng	99
85) Di-n-octyl phthalate	14.710	149	68887	2.938	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	87778	3.664	ng	99
88) Benzo(b)fluoranthene	15.174	252	76657	3.693	ng	99
89) Benzo(k)fluoranthene	15.204	252	73738	3.981	ng	100
90) Benzo(a)pyrene	15.551	252	70582	3.691	ng	98
91) Dibenzo(a,h)anthracene	17.162	278	71409	3.662	ng	98
92) Benzo(g,h,i)perylene	17.604	276	69195	3.668	ng	99

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

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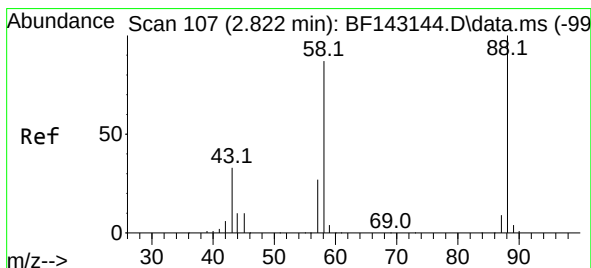
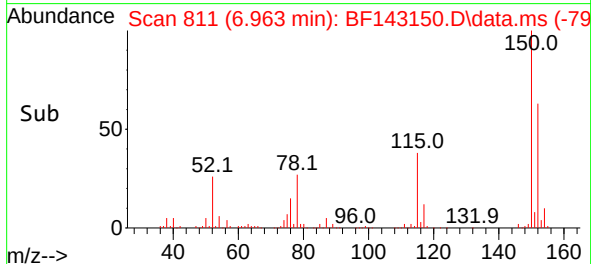
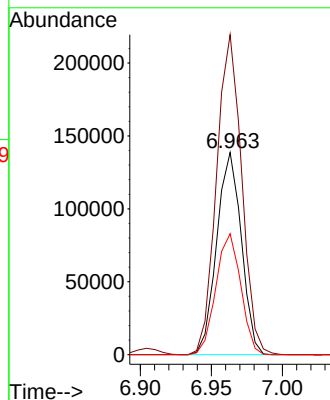
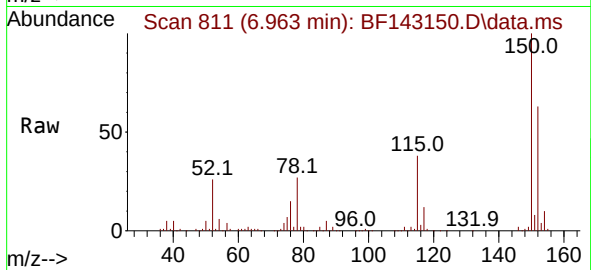




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

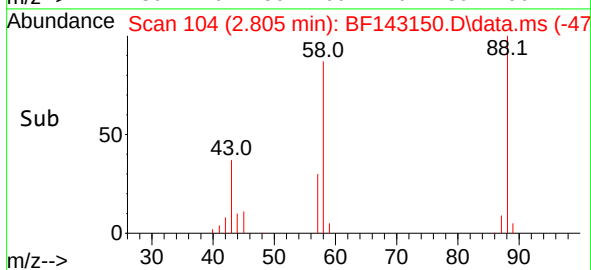
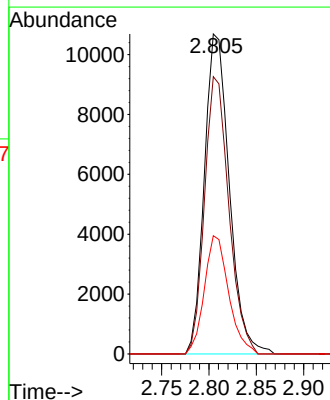
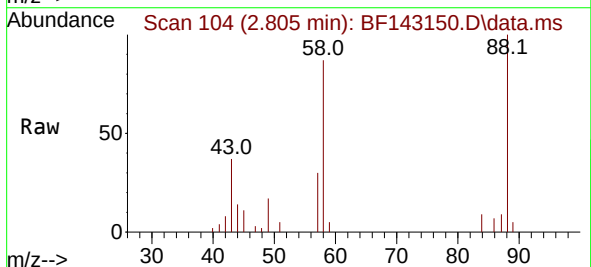
Instrument :
 BNA_F
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 MDL-SOIL-03-QT2-2025

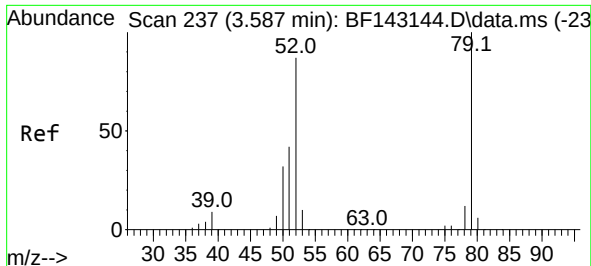
Tgt Ion:152 Resp: 167080
 Ion Ratio Lower Upper
 152 100
 150 158.2 128.2 192.4
 115 59.8 47.9 71.9



#2
 1,4-Dioxane
 Concen: 3.923 ng
 RT: 2.805 min Scan# 104
 Delta R.T. -0.018 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

Tgt Ion: 88 Resp: 19601
 Ion Ratio Lower Upper
 88 100
 58 84.5 70.2 105.2
 43 36.0 27.1 40.7





#3

Pyridine

Concen: 3.639 ng

RT: 3.634 min Scan# 24

Delta R.T. 0.047 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

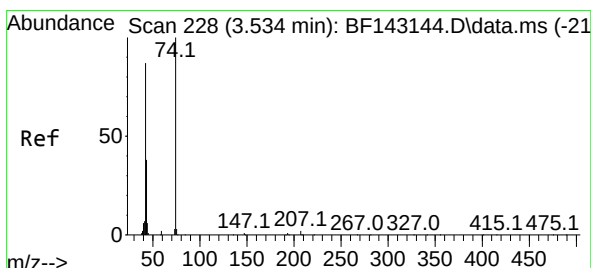
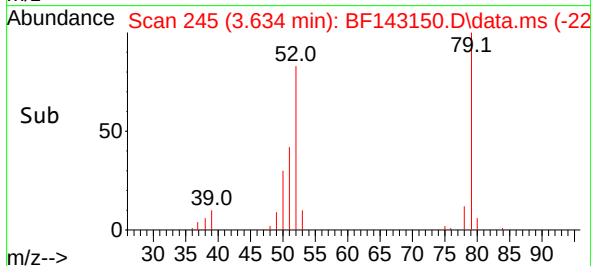
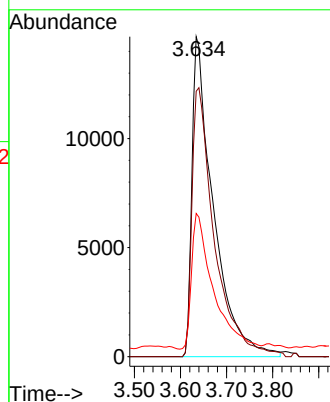
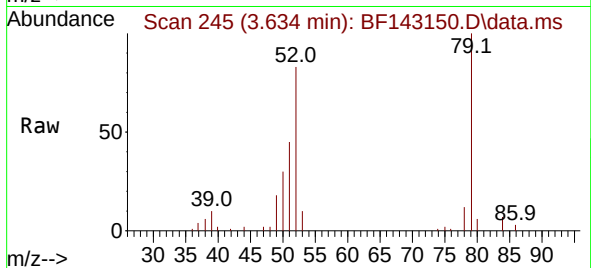
Tgt Ion: 79 Resp: 47191

Ion Ratio Lower Upper

79 100

52 83.0 69.4 104.2

51 44.7 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 3.705 ng

RT: 3.505 min Scan# 223

Delta R.T. -0.029 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

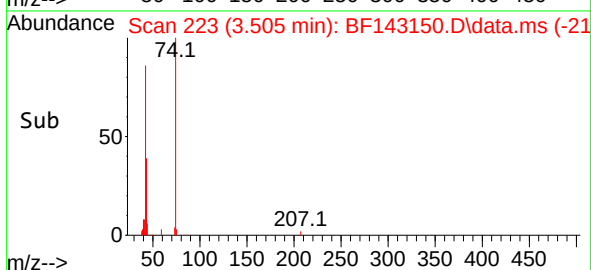
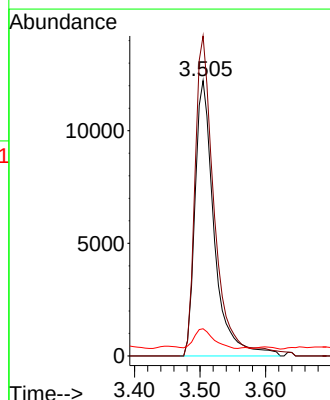
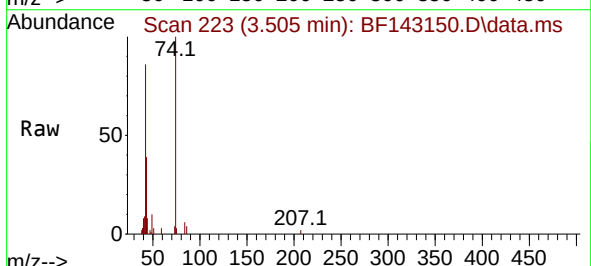
Tgt Ion: 42 Resp: 24803

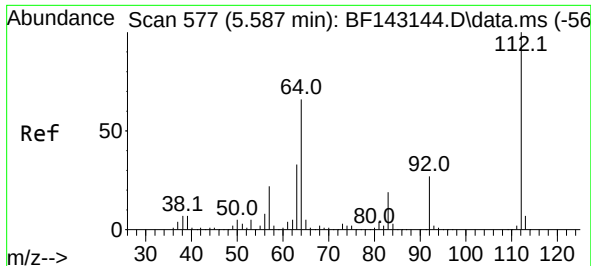
Ion Ratio Lower Upper

42 100

74 116.2 91.7 137.5

44 9.9 5.6 8.4#

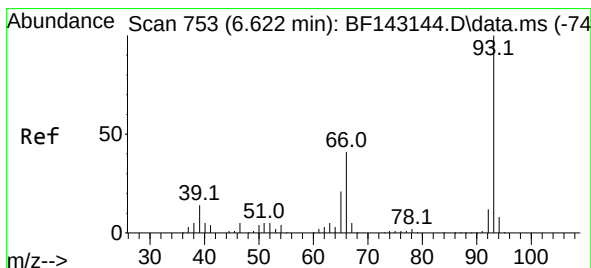
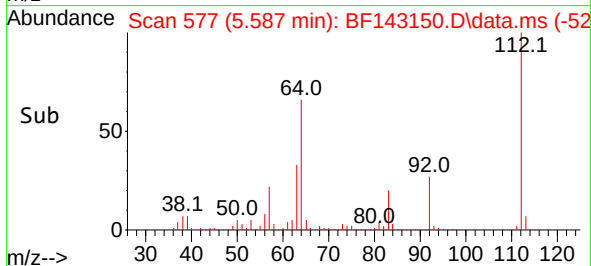
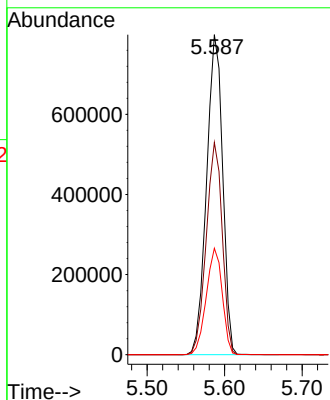
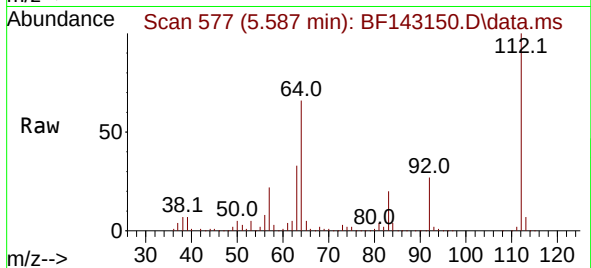




#5
2-Fluorophenol
Concen: 108.888 ng
RT: 5.587 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

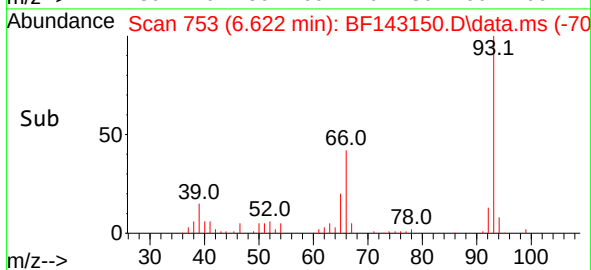
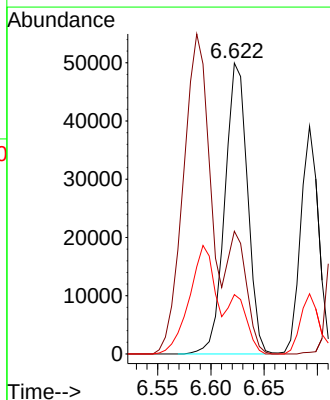
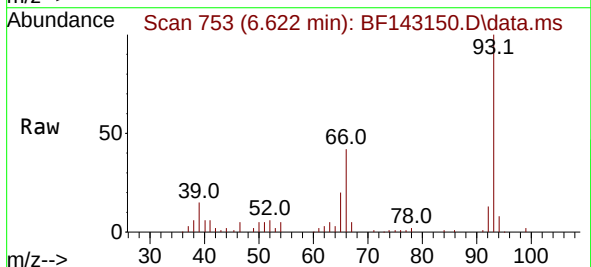
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

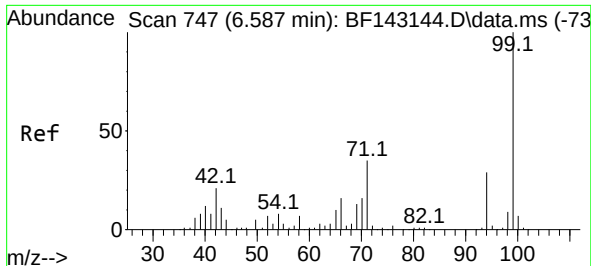
Tgt Ion:112 Resp: 1149663
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.3 26.6 40.0



#6
Aniline
Concen: 3.992 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 93 Resp: 73943
Ion Ratio Lower Upper
93 100
66 42.2 33.2 49.8
65 20.4 16.9 25.3





#7

Phenol-d6

Concen: 114.022 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

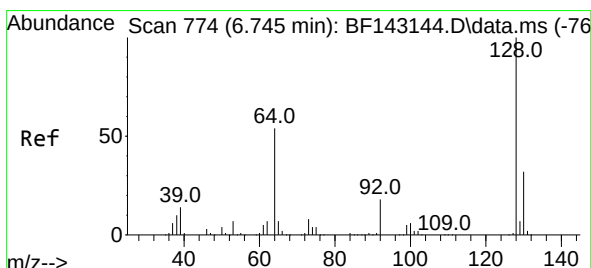
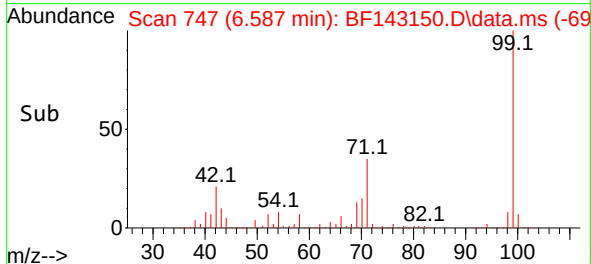
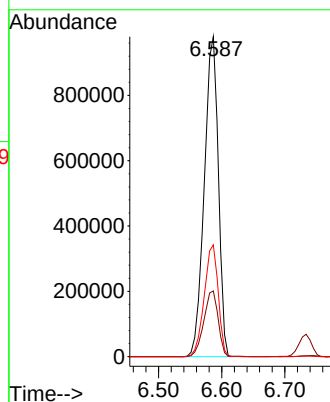
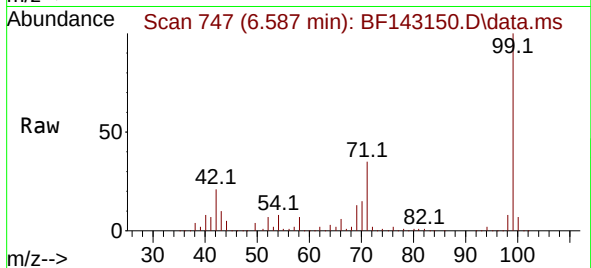
BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 99 Resp: 1515292

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	34.9	27.7	41.5



#8

2-Chlorophenol

Concen: 4.106 ng

RT: 6.751 min Scan# 775

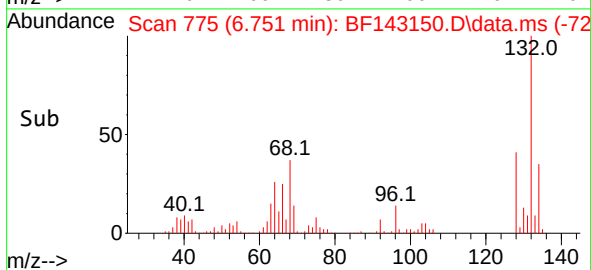
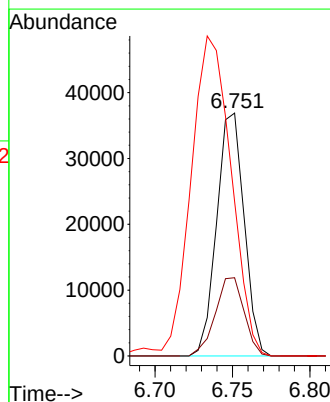
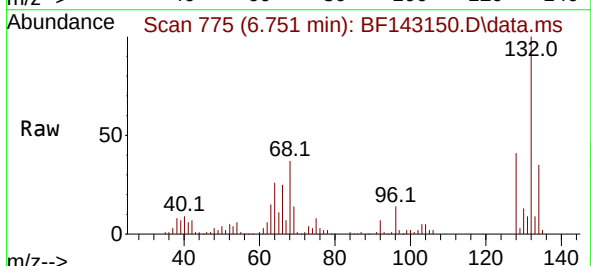
Delta R.T. 0.006 min

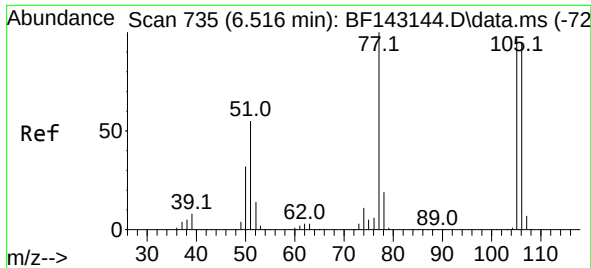
Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:128 Resp: 45447

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.3	52.3
64	63.7	35.9	75.9

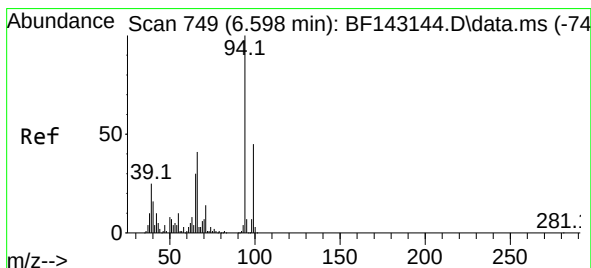
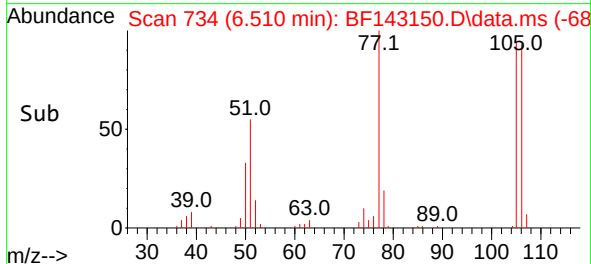
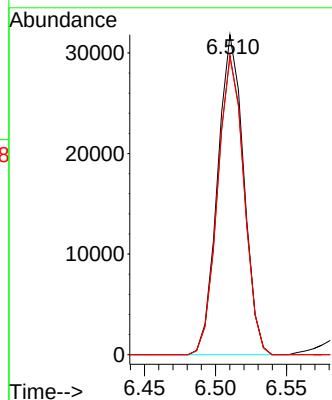
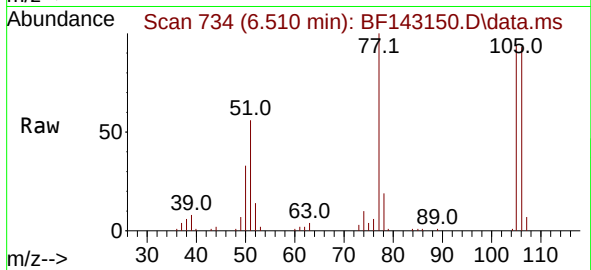




#9
Benzaldehyde
Concen: 4.069 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

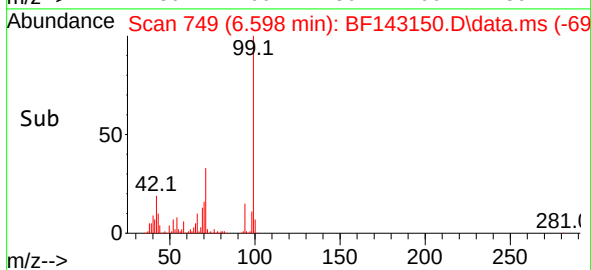
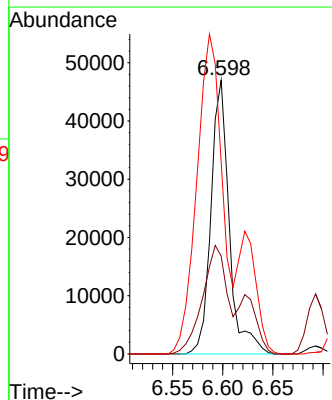
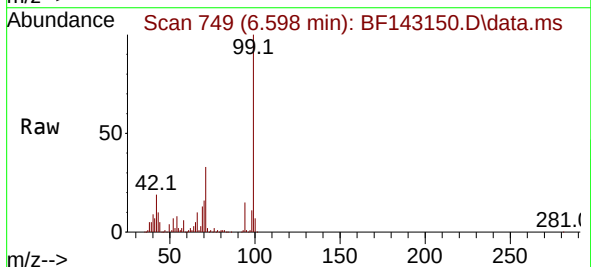
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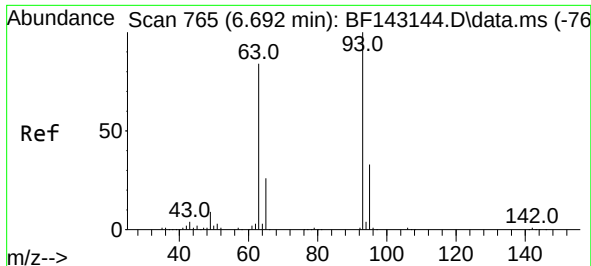
Tgt Ion: 77 Resp: 40553
Ion Ratio Lower Upper
77 100
105 93.5 76.8 116.8
106 93.0 74.4 114.4



#10
Phenol
Concen: 4.123 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 94 Resp: 59689
Ion Ratio Lower Upper
94 100
65 35.7 10.0 50.0
66 70.2 20.8 60.8#





#11

bis(2-Chloroethyl)ether

Concen: 4.115 ng

RT: 6.693 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

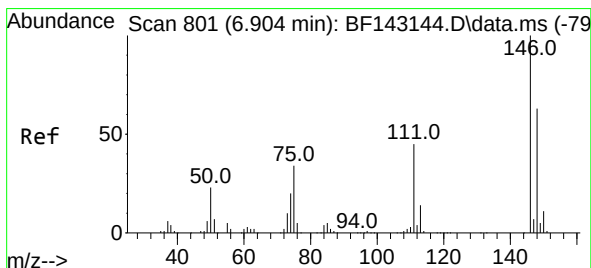
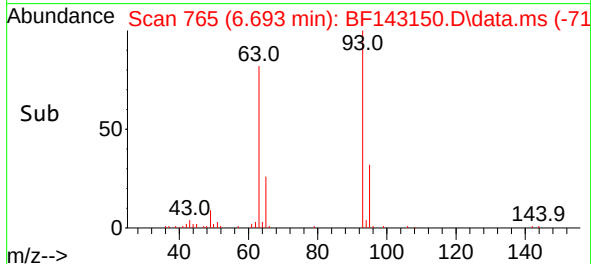
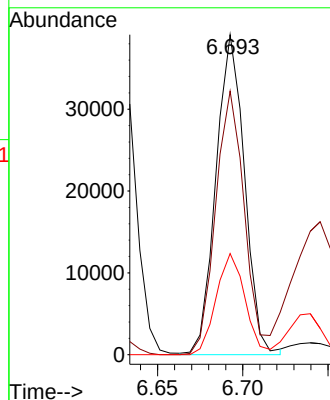
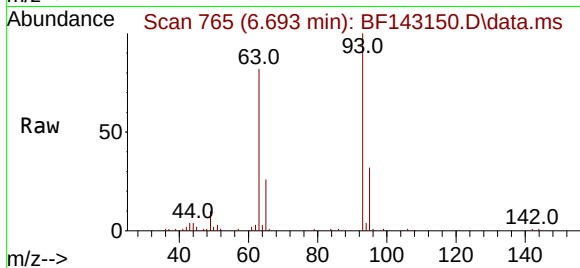
Tgt Ion: 93 Resp: 45610

Ion Ratio Lower Upper

93 100

63 82.4 63.4 103.4

95 31.6 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 4.132 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

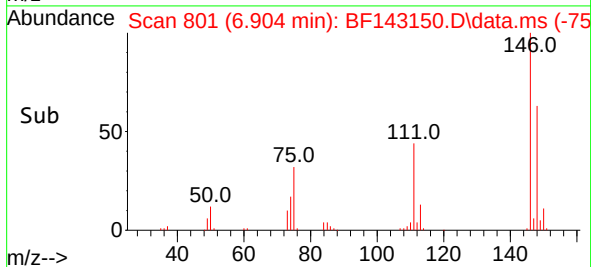
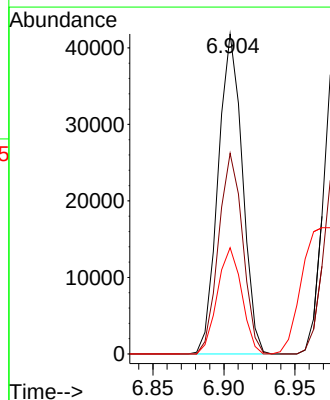
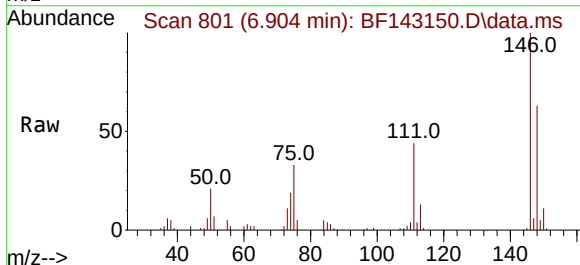
Tgt Ion:146 Resp: 49679

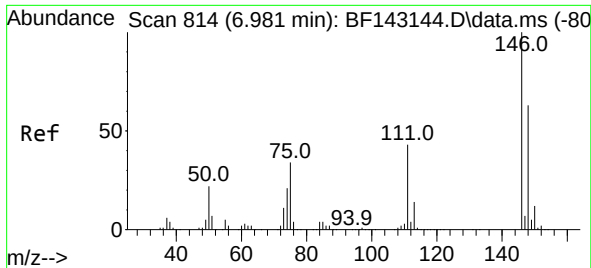
Ion Ratio Lower Upper

146 100

148 62.7 50.6 76.0

75 33.2 27.4 41.2

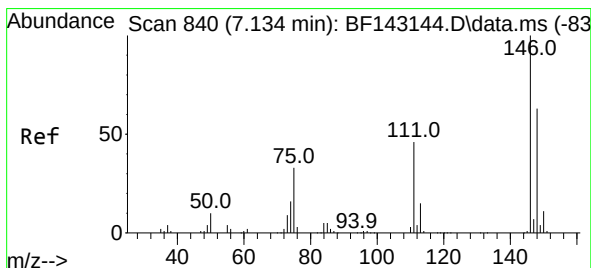
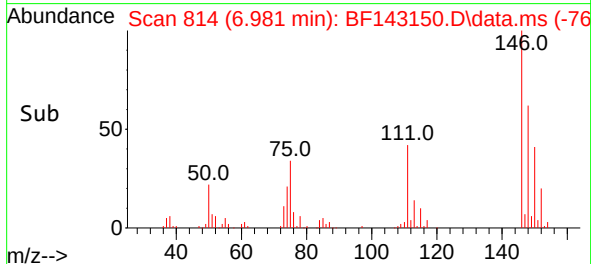
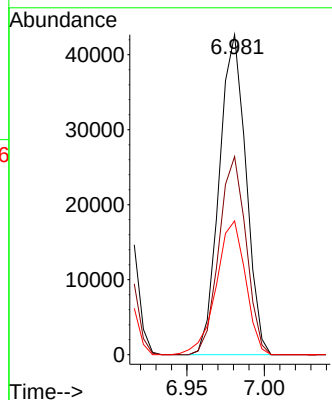
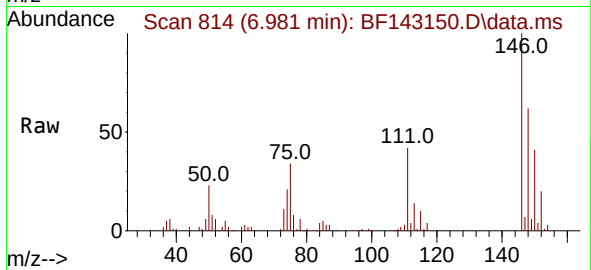




#13
1,4-Dichlorobenzene
Concen: 4.224 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

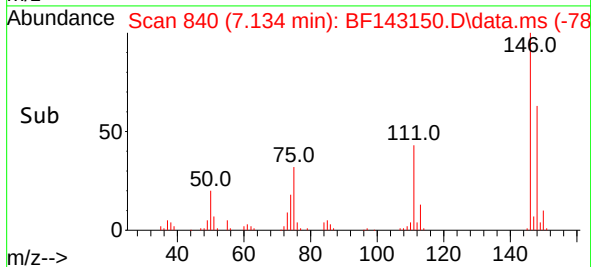
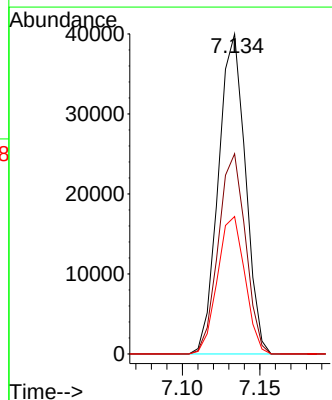
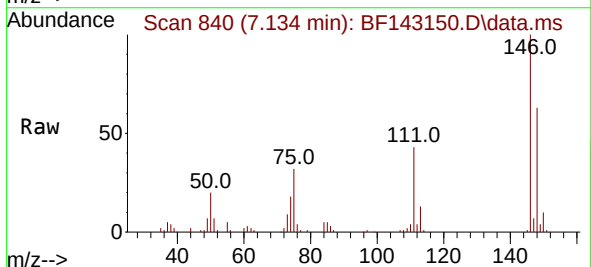
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

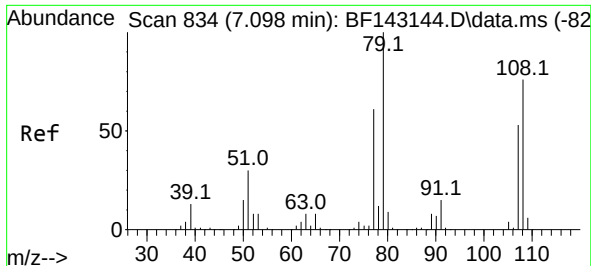
Tgt Ion:146 Resp: 51142
Ion Ratio Lower Upper
146 100
148 61.9 50.3 75.5
111 41.8 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 4.212 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:146 Resp: 48507
Ion Ratio Lower Upper
146 100
148 62.6 50.7 76.1
111 42.9 36.6 54.8

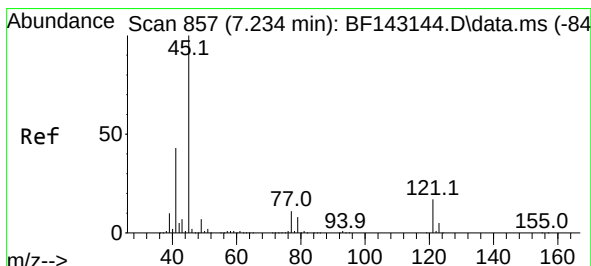
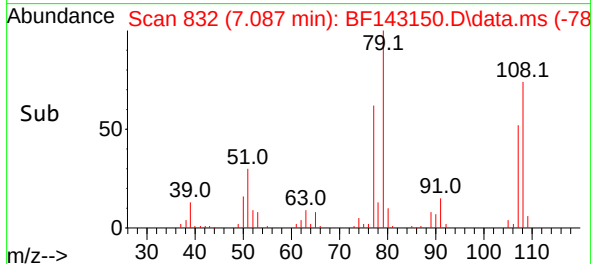
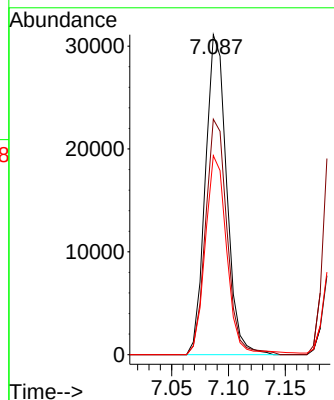
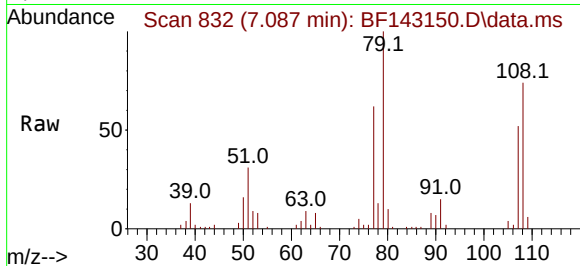




#15
Benzyl Alcohol
Concen: 3.978 ng
RT: 7.087 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

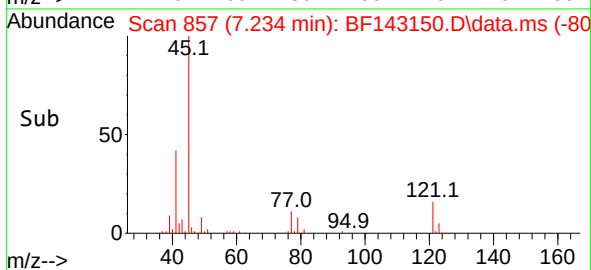
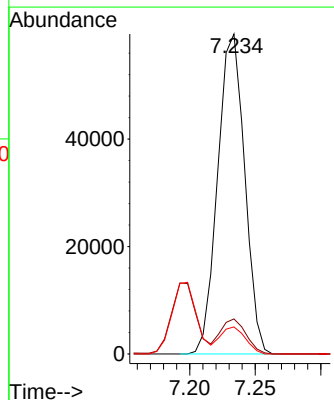
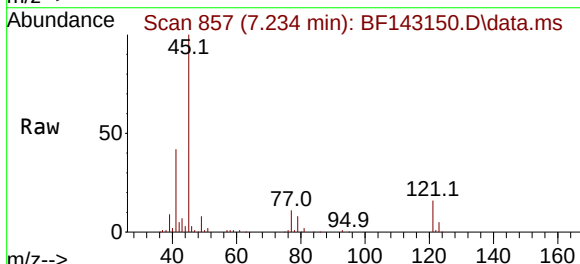
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

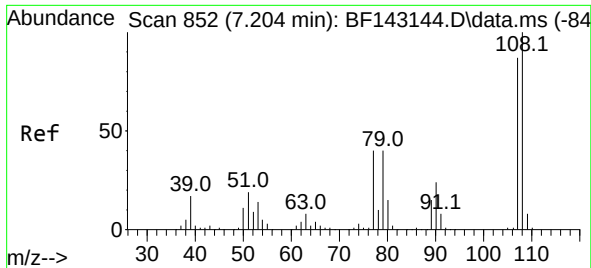
Tgt Ion:	79	Resp:	40367
Ion Ratio	Lower	Upper	
79	100		
108	73.6	61.1	91.7
77	62.2	48.9	73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.146 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:	45	Resp:	85252
Ion Ratio	Lower	Upper	
45	100		
77	11.0	0.0	31.2
79	8.5	0.0	28.5

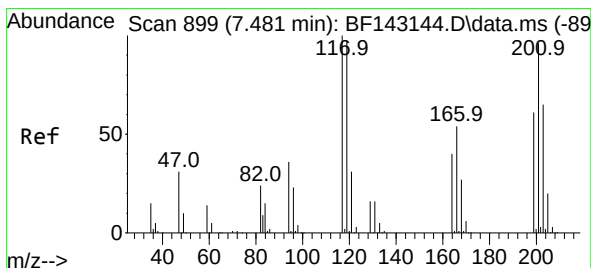
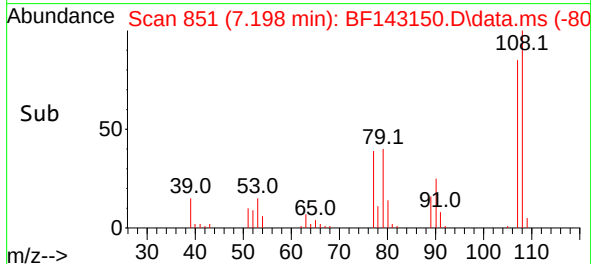
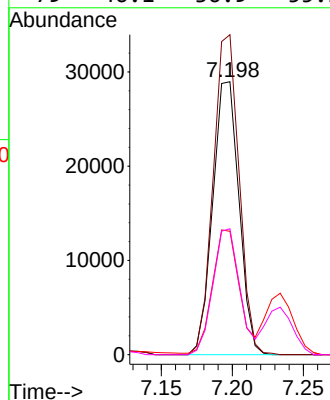
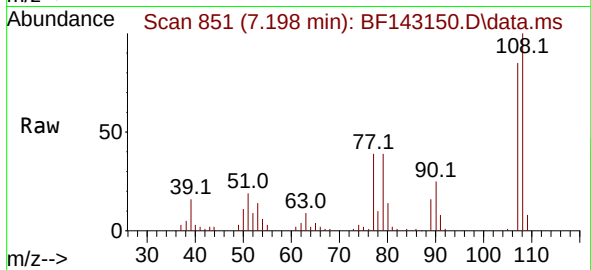




#17
2-Methylphenol
Concen: 4.009 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

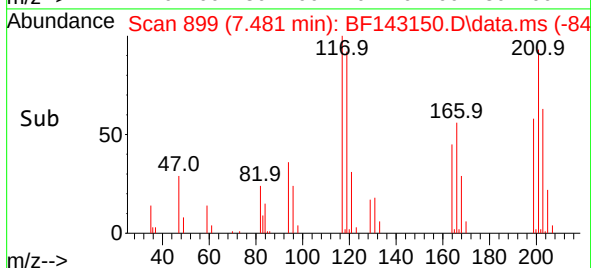
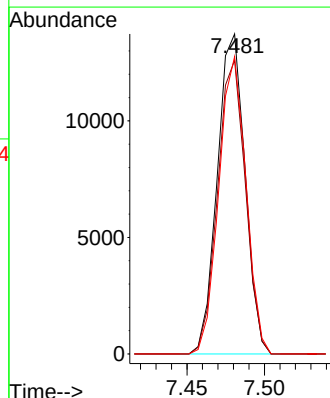
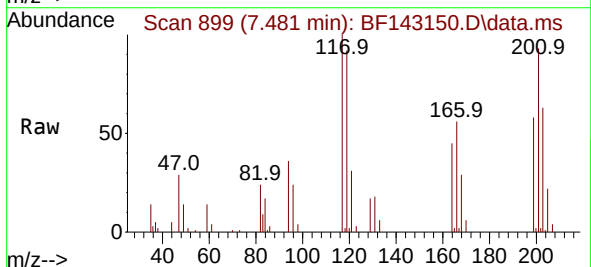
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

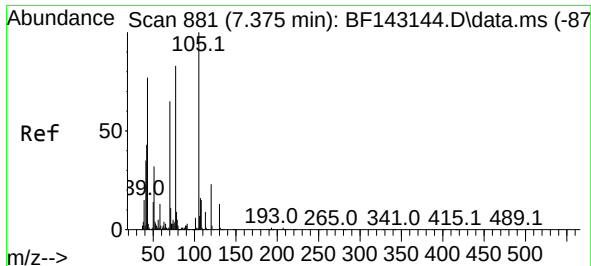
Tgt Ion:	107	Resp:	37302
Ion	Ratio	Lower	Upper
107	100		
108	117.2	91.8	137.6
77	45.2	37.0	55.6
79	46.1	36.9	55.3



#18
Hexachloroethane
Concen: 4.084 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:	117	Resp:	17119
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.8	116.8
201	92.9	77.0	115.4

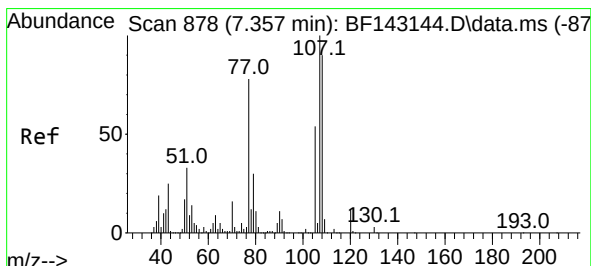
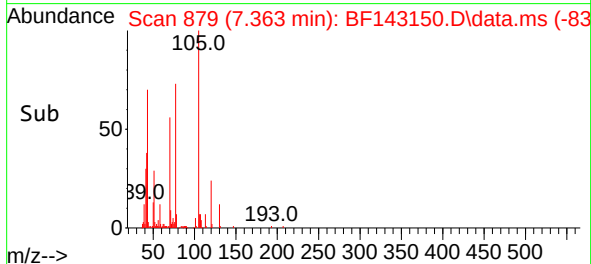
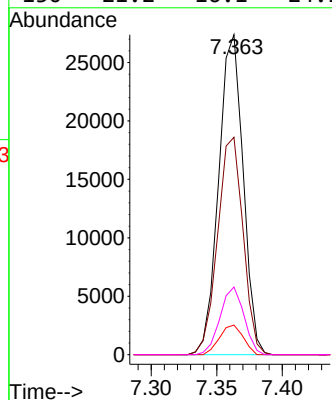
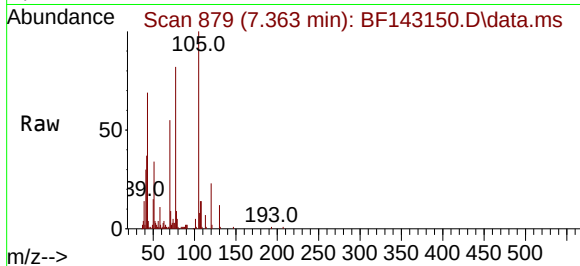




#19
n-Nitroso-di-n-propylamine
Concen: 4.166 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

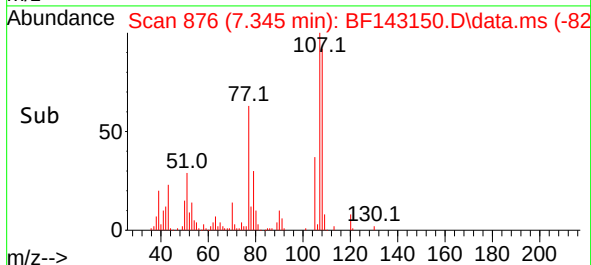
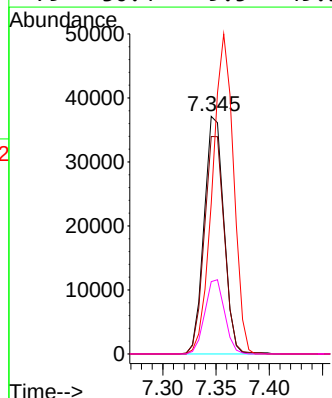
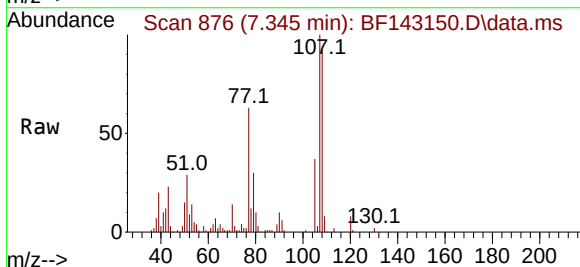
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

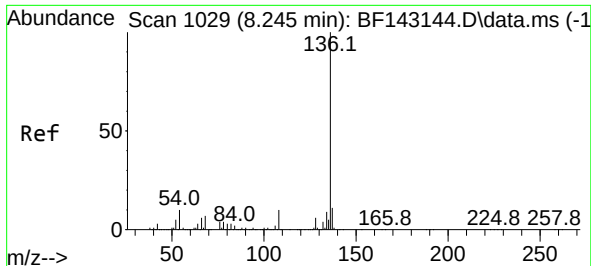
Tgt Ion:	70	Resp:	35523
Ion	Ratio	Lower	Upper
70	100		
42	68.0	52.5	78.7
101	9.3	7.6	11.4
130	21.2	16.1	24.1



#20
3+4-Methylphenols
Concen: 4.255 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:	107	Resp:	48034
Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.0	110.0
77	63.4	57.8	97.8
79	30.4	9.5	49.5

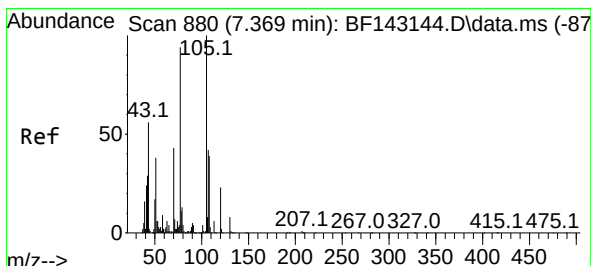
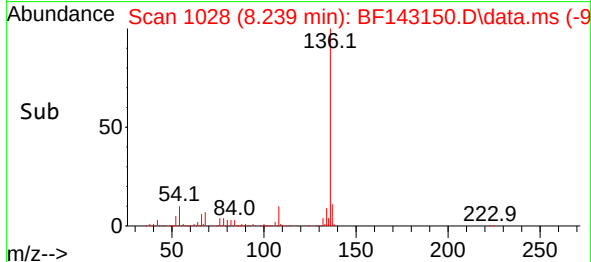
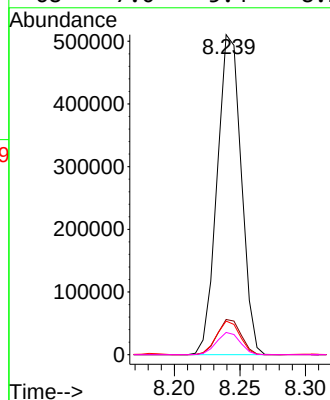
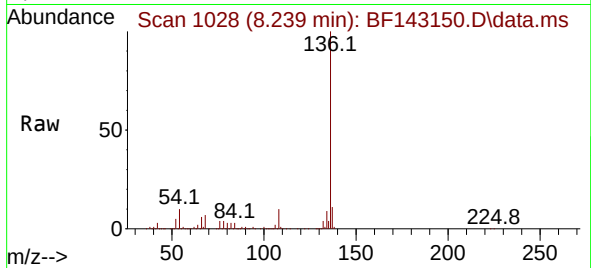




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

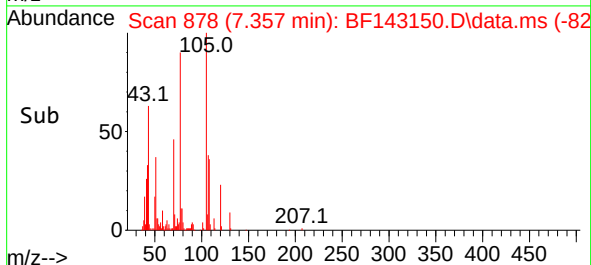
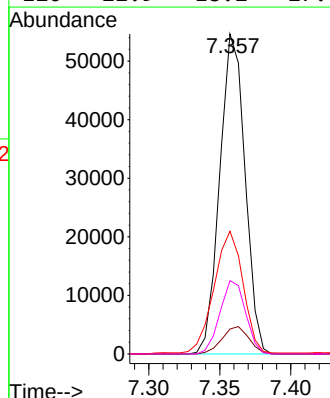
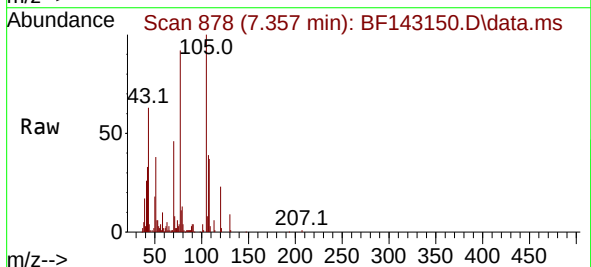
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

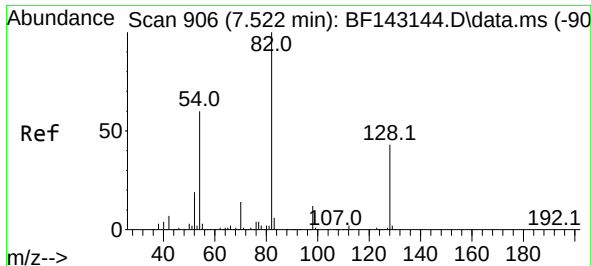
Tgt Ion:	136	Resp:	651651
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	10.5	8.2	12.2
68	7.0	5.4	8.2



#22
Acetophenone
Concen: 4.379 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:	105	Resp:	67564
Ion Ratio	Lower	Upper	
105	100		
71	7.8	5.8	8.6
51	38.3	30.2	45.2
120	22.9	18.2	27.4





#23

Nitrobenzene-d5

Concen: 76.856 ng

RT: 7.522 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

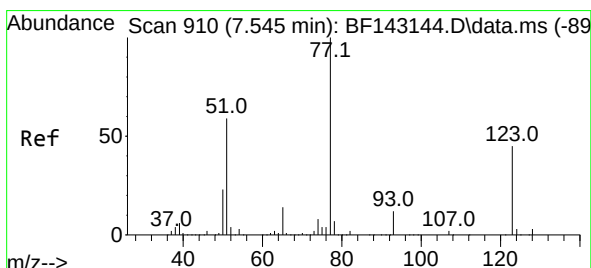
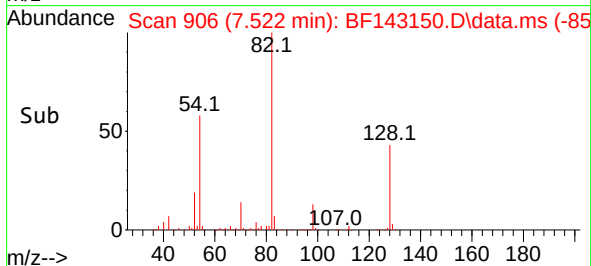
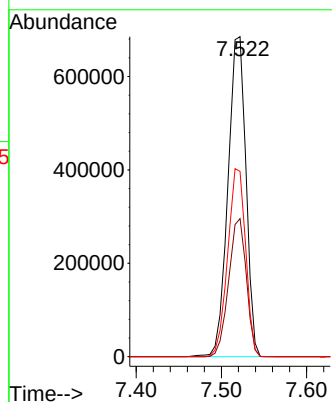
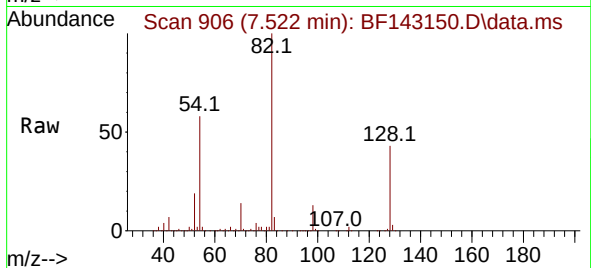
Tgt Ion: 82 Resp: 1004740

Ion Ratio Lower Upper

82 100

128 43.1 33.6 50.4

54 57.9 47.1 70.7



#24

Nitrobenzene

Concen: 4.336 ng

RT: 7.534 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

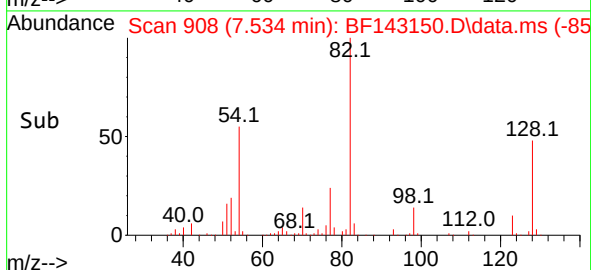
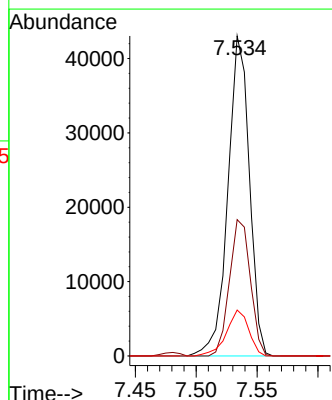
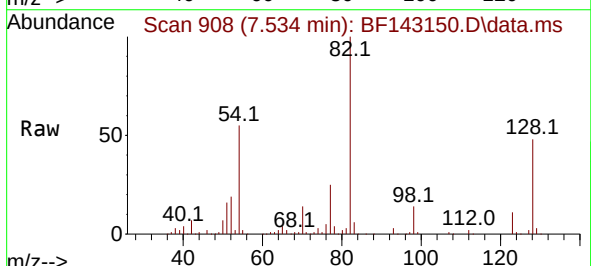
Tgt Ion: 77 Resp: 52847

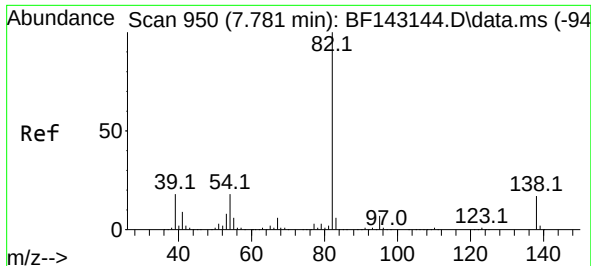
Ion Ratio Lower Upper

77 100

123 42.6 36.1 54.1

65 14.4 11.4 17.2

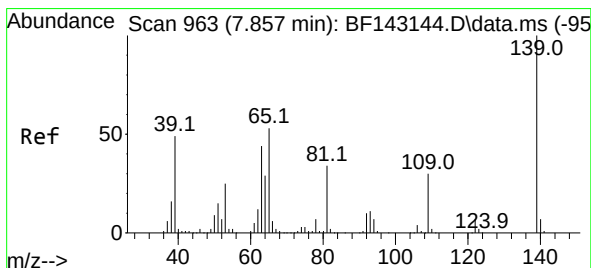
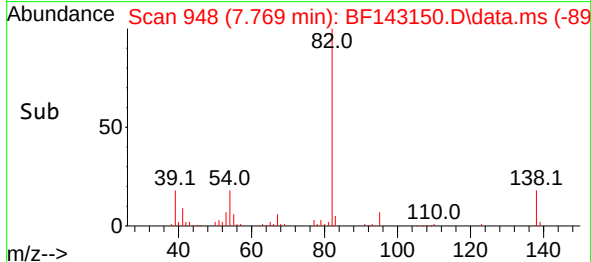
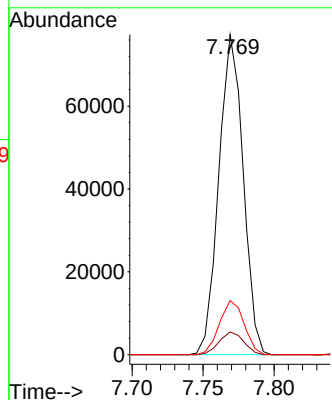
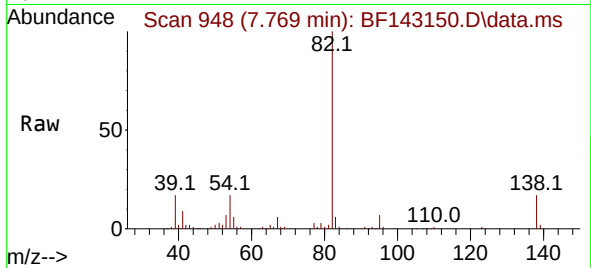




#25
Isophorone
Concen: 3.987 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

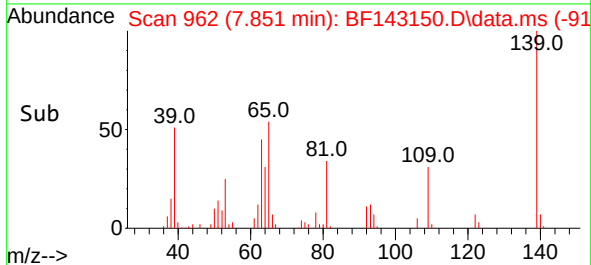
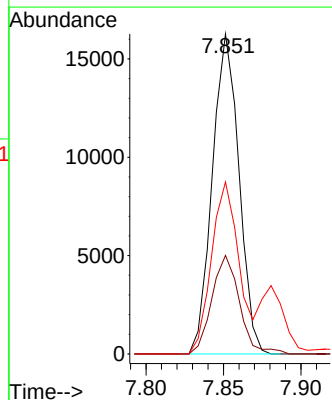
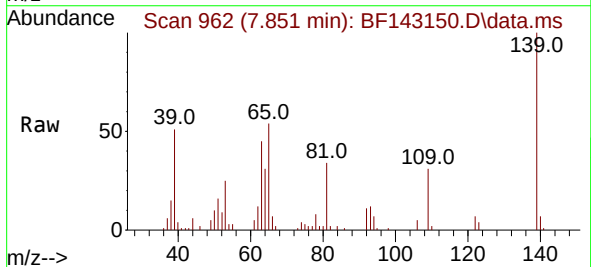
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

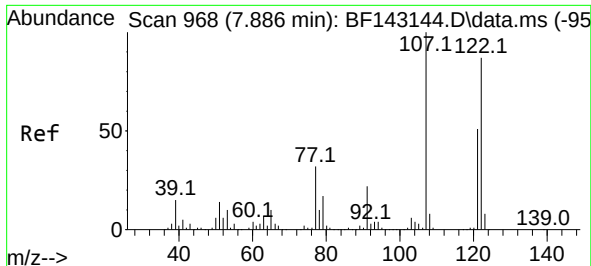
Tgt Ion: 82 Resp: 92001
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.9 13.8 20.8



#26
2-Nitrophenol
Concen: 3.672 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:139 Resp: 19421
Ion Ratio Lower Upper
139 100
109 30.8 23.6 35.4
65 53.8 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 4.045 ng

RT: 7.881 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

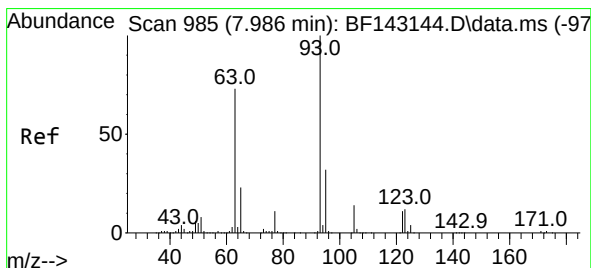
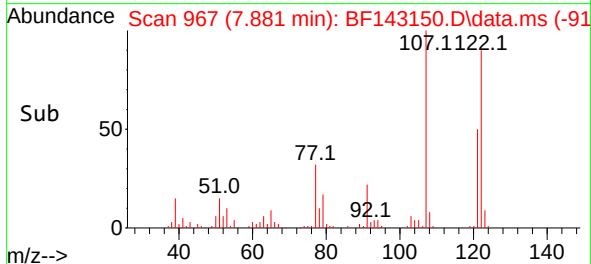
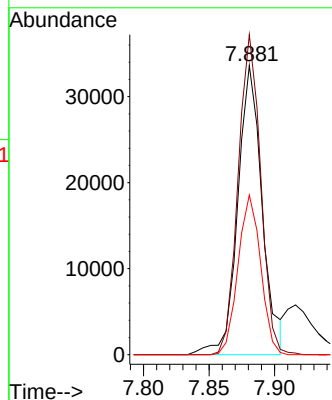
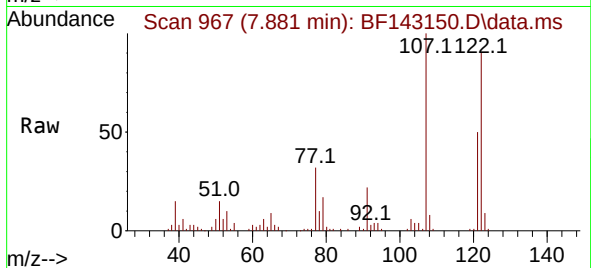
Tgt Ion:122 Resp: 43616

Ion Ratio Lower Upper

122 100

107 110.6 91.8 137.6

121 55.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 4.183 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

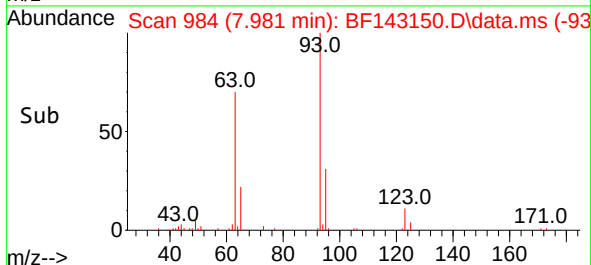
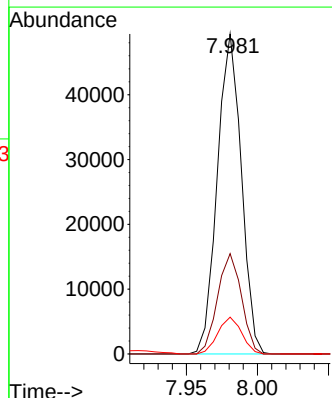
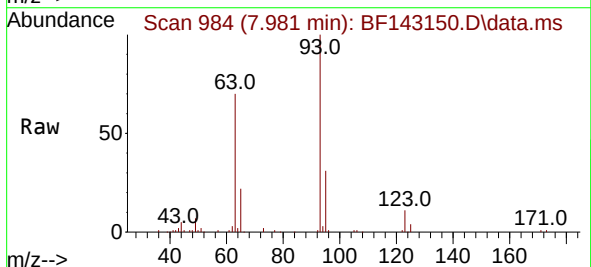
Tgt Ion: 93 Resp: 57877

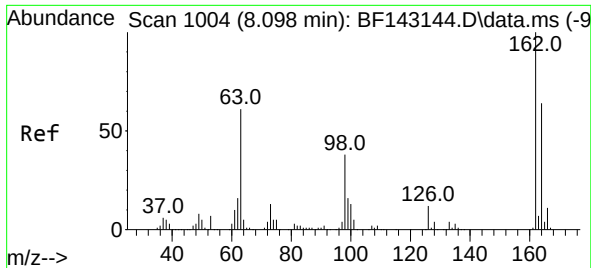
Ion Ratio Lower Upper

93 100

95 31.3 25.8 38.6

123 11.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 3.863 ng

RT: 8.087 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

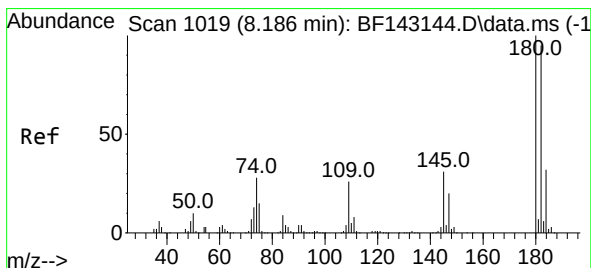
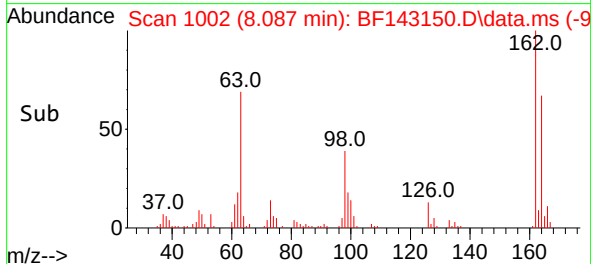
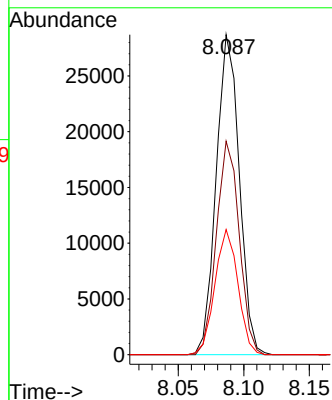
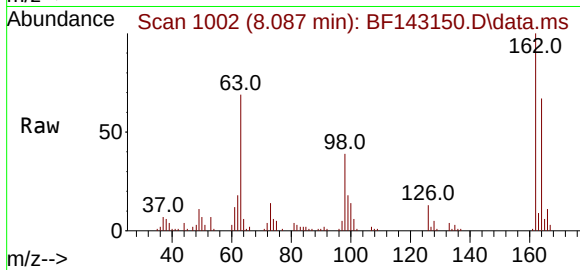
Tgt Ion:162 Resp: 35123

Ion Ratio Lower Upper

162 100

164 66.7 44.2 84.2

98 39.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 4.043 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

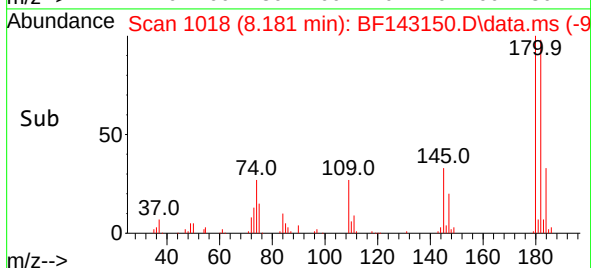
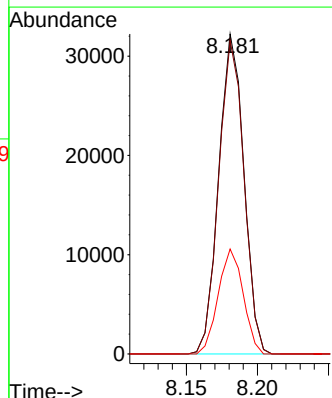
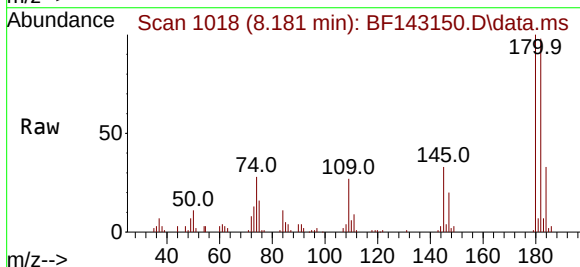
Tgt Ion:180 Resp: 39714

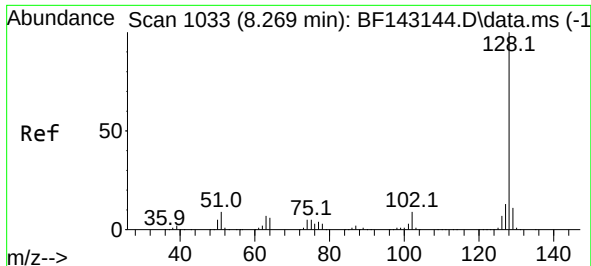
Ion Ratio Lower Upper

180 100

182 97.9 76.2 114.2

145 32.8 25.0 37.6

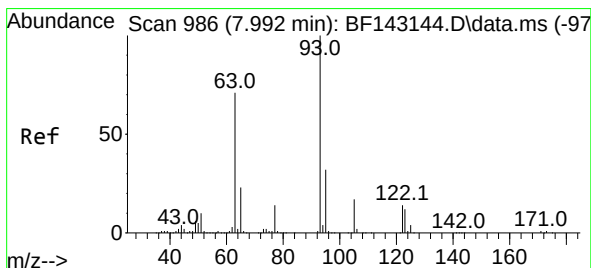
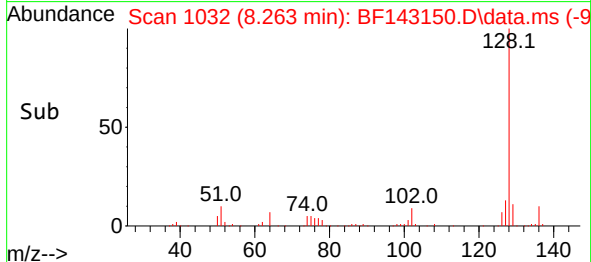
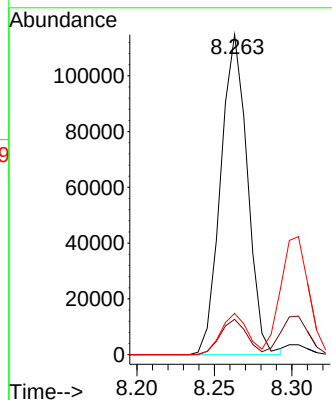
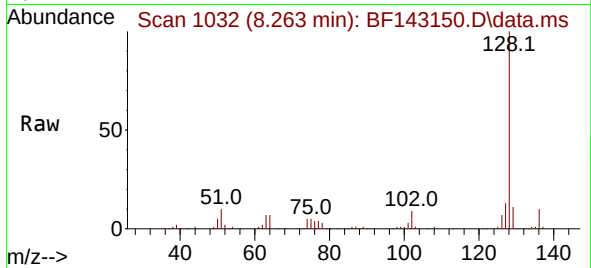




#31
Naphthalene
Concen: 4.286 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

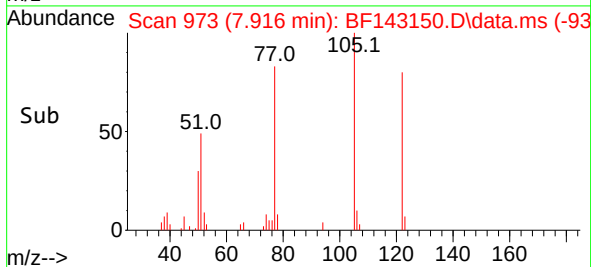
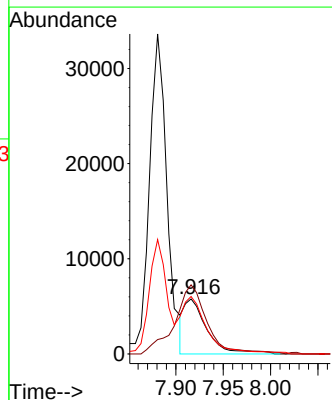
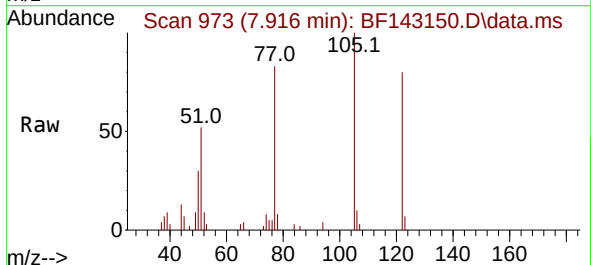
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

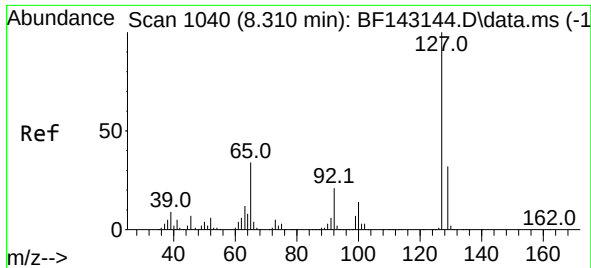
Tgt Ion:128 Resp: 137551
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.9 10.6 16.0



#32
Benzoic acid
Concen: 6.602 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.076 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:122 Resp: 9695
Ion Ratio Lower Upper
122 100
105 125.7 104.8 144.8
77 104.3 77.6 117.6

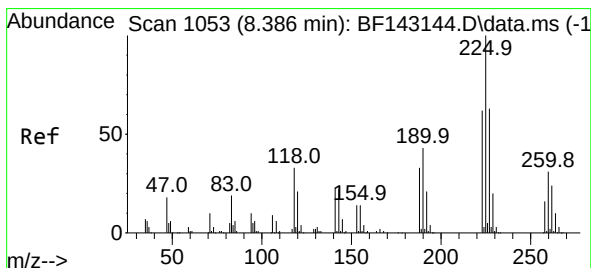
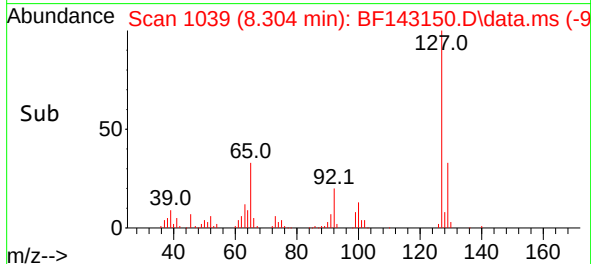
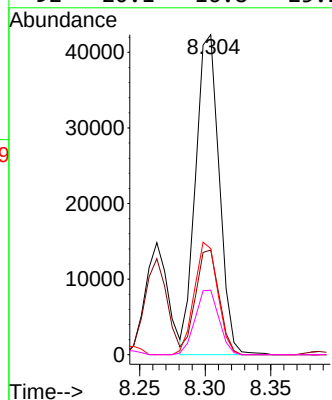
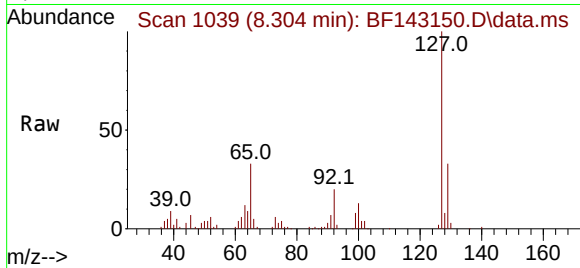




#33
4-Chloroaniline
Concen: 4.061 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

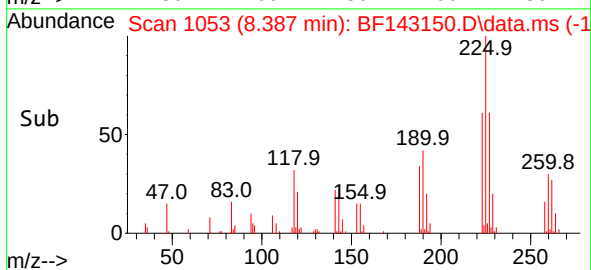
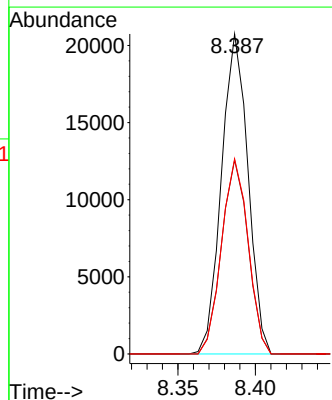
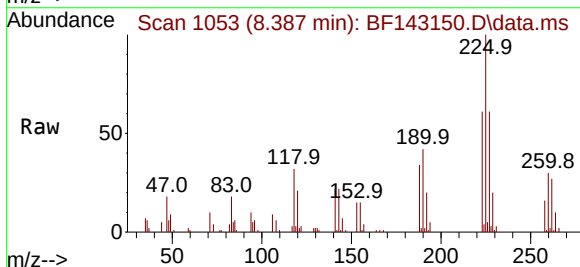
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

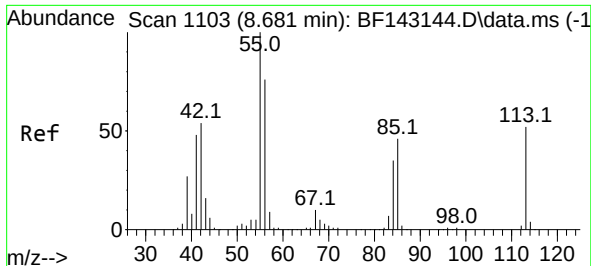
Tgt Ion:127	Resp:	53216
Ion	Ratio	Lower Upper
127	100	
129	32.7	26.0 39.0
65	33.1	27.4 41.2
92	20.1	16.8 25.2



#34
Hexachlorobutadiene
Concen: 4.104 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:225	Resp:	24628
Ion	Ratio	Lower Upper
225	100	
223	60.6	49.8 74.6
227	61.0	50.2 75.4

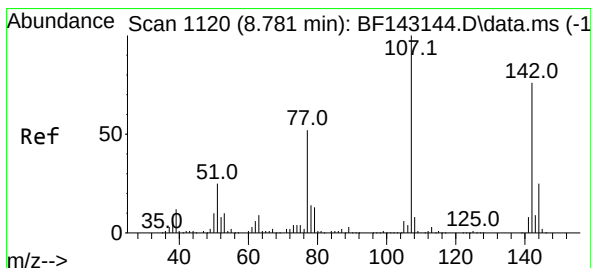
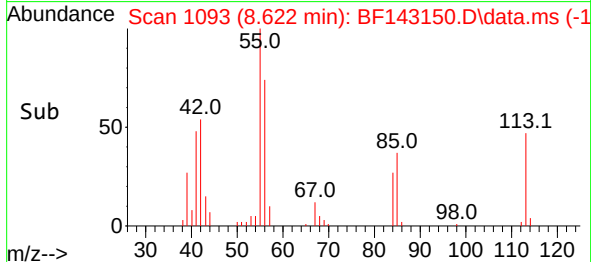
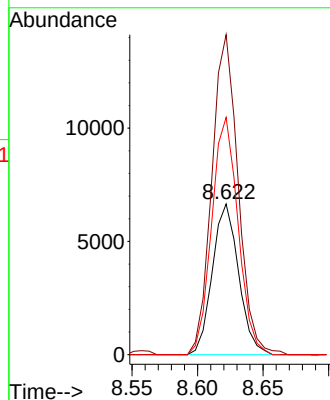
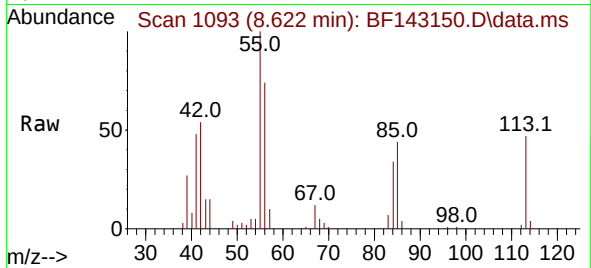




#35
 Caprolactam
 Concen: 3.373 ng
 RT: 8.622 min Scan# 1103
 Delta R.T. -0.059 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

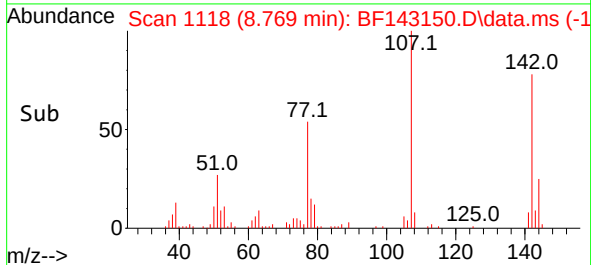
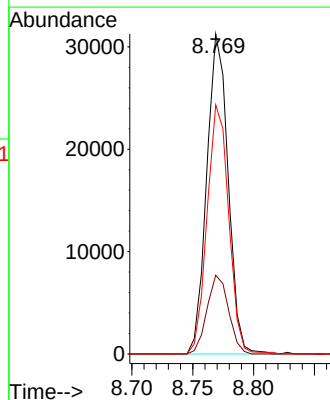
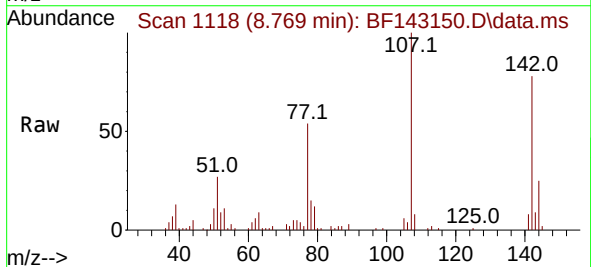
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

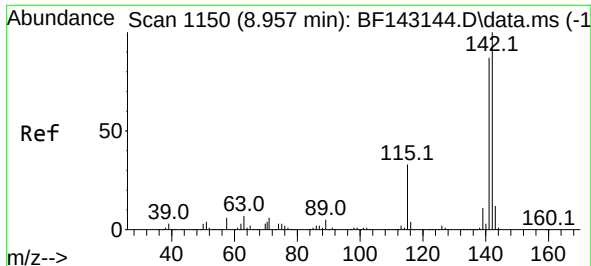
Tgt Ion:113 Resp: 9269
 Ion Ratio Lower Upper
 113 100
 55 212.2 174.0 214.0
 56 157.4 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 3.858 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. -0.012 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

Tgt Ion:107 Resp: 38127
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 77.8 60.6 90.8

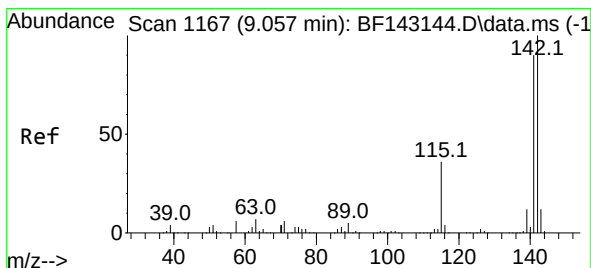
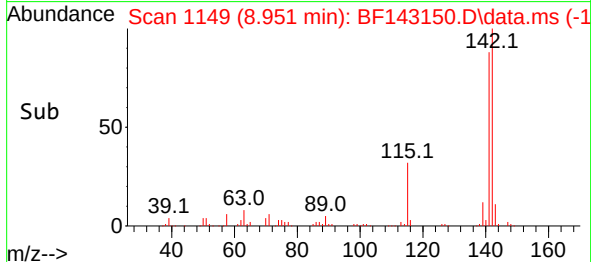
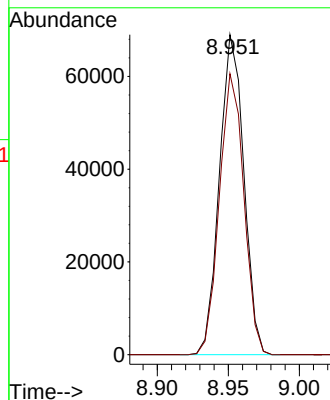
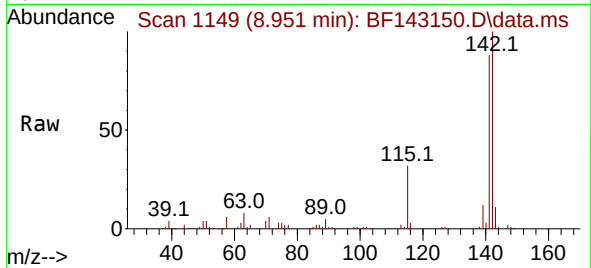




#37
2-Methylnaphthalene
Concen: 4.218 ng
RT: 8.951 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

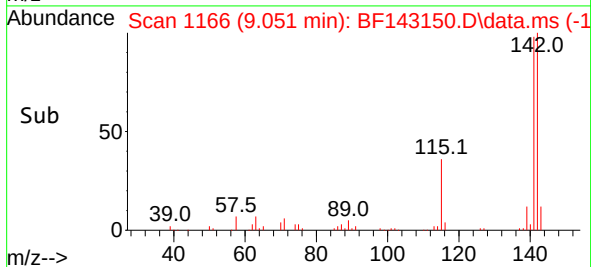
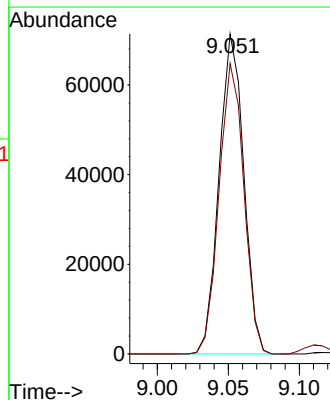
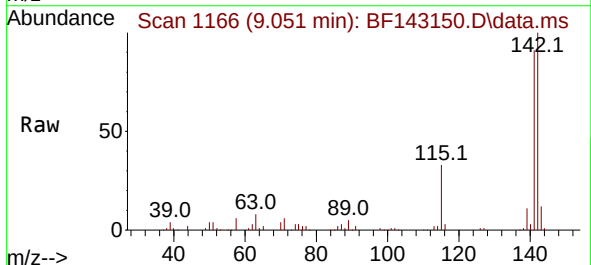
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

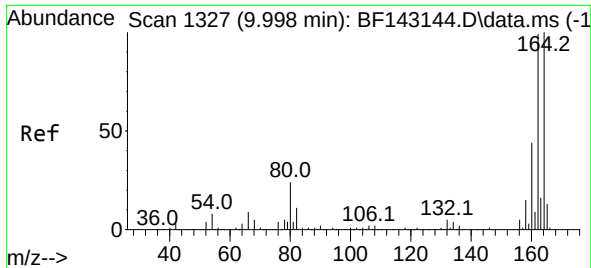
Tgt Ion:142 Resp: 82374
Ion Ratio Lower Upper
142 100
141 87.8 69.9 104.9



#38
1-Methylnaphthalene
Concen: 4.289 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:142 Resp: 86248
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5

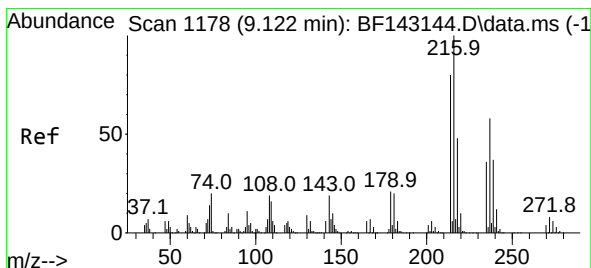
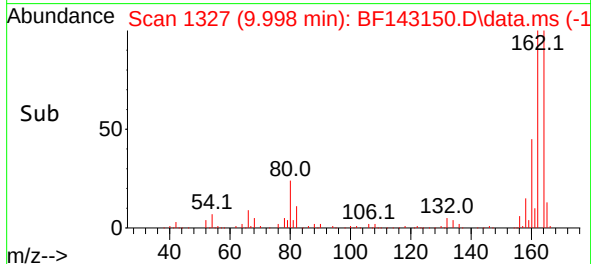
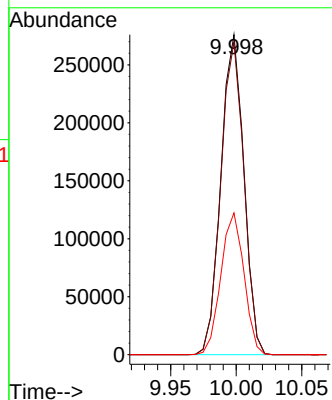
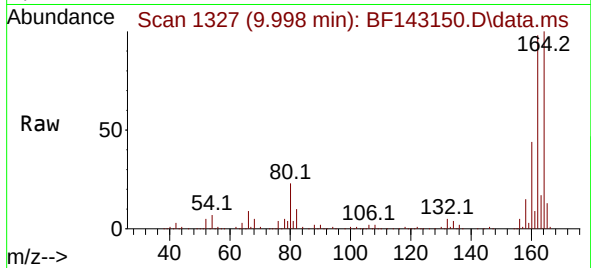




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

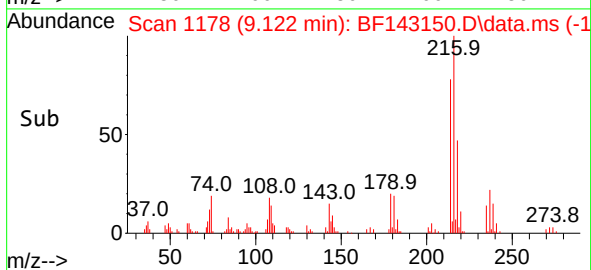
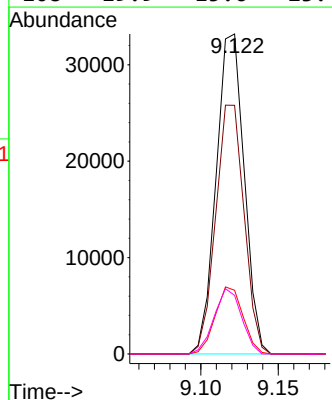
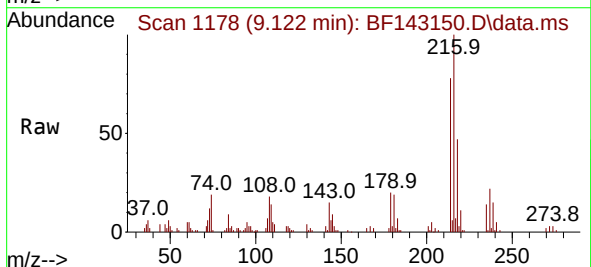
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

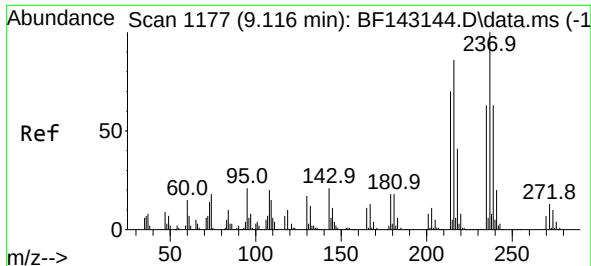
Tgt Ion:164 Resp: 336879
Ion Ratio Lower Upper
164 100
162 97.7 79.0 118.6
160 44.3 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.303 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:216 Resp: 41855
Ion Ratio Lower Upper
216 100
214 78.5 63.8 95.8
179 20.7 16.4 24.6
108 19.9 15.6 23.4

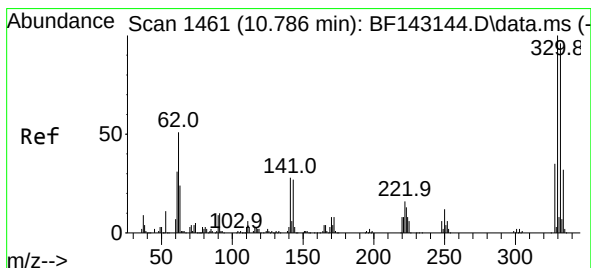
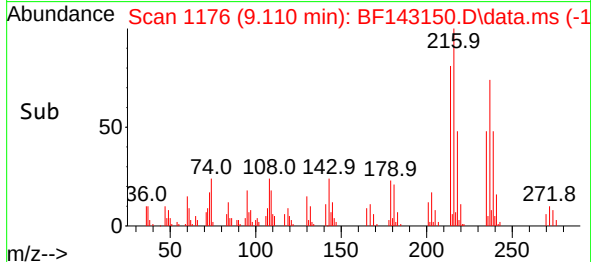
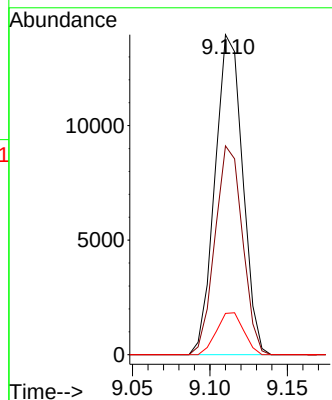
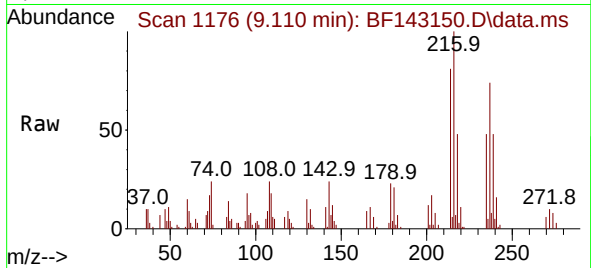




#41
Hexachlorocyclopentadiene
Concen: 2.742 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

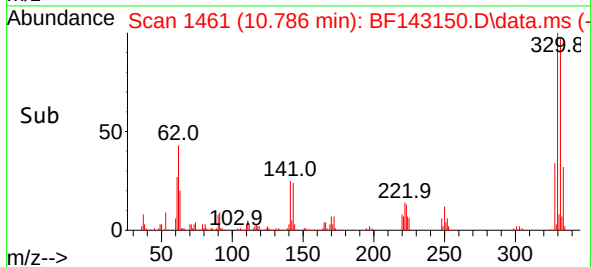
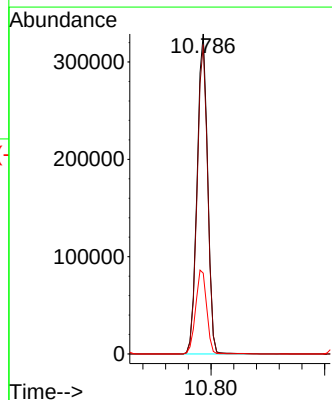
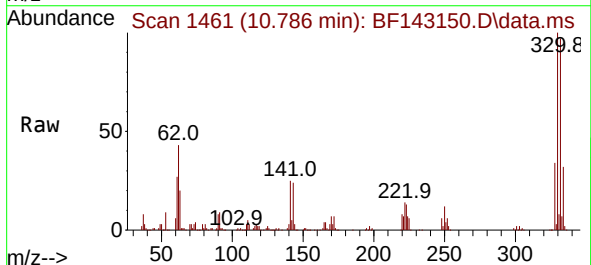
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

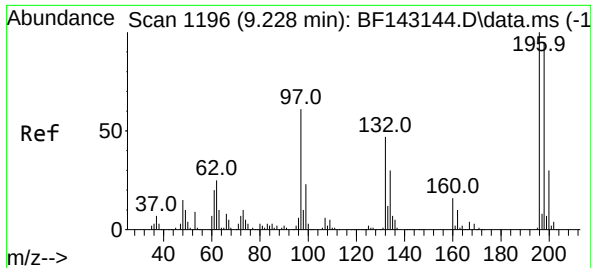
Tgt Ion: 237 Resp: 17354
Ion Ratio Lower Upper
237 100
235 65.2 43.0 83.0
272 12.9 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 122.290 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion: 330 Resp: 425588
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 27.4 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 3.734 ng

RT: 9.222 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

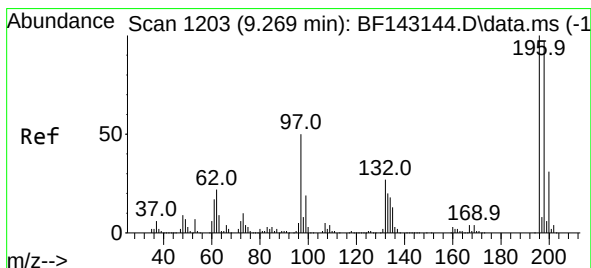
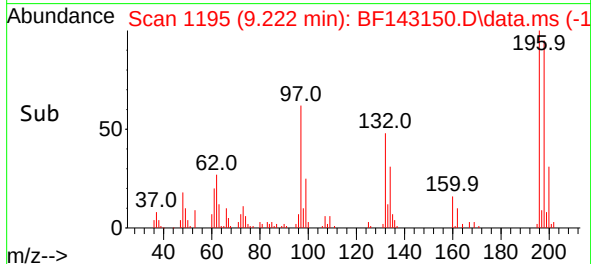
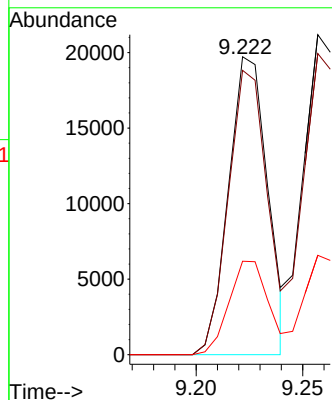
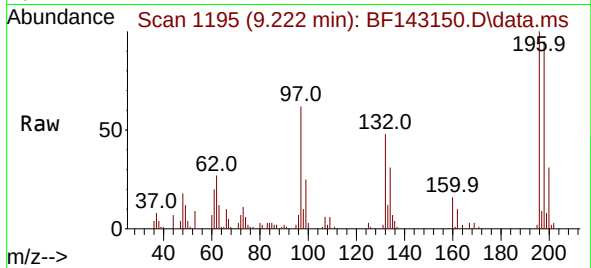
Tgt Ion:196 Resp: 25133

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 31.4 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 4.000 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:196 Resp: 26934

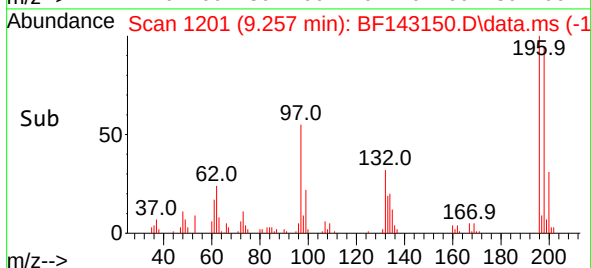
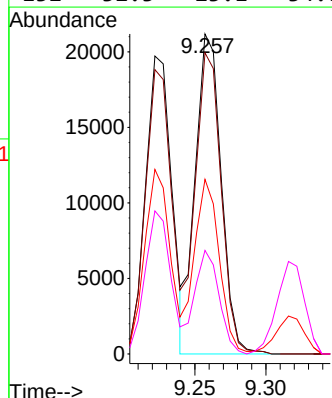
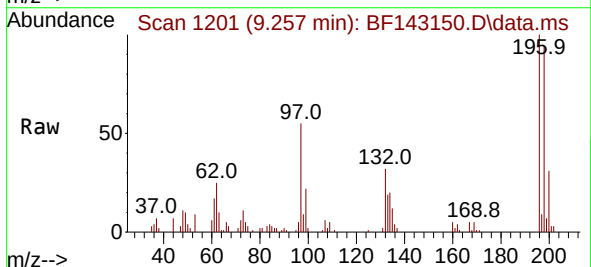
Ion Ratio Lower Upper

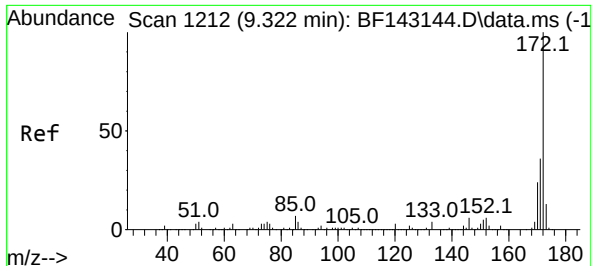
196 100

198 94.1 77.3 115.9

97 54.6 40.3 60.5

132 32.3 23.1 34.7

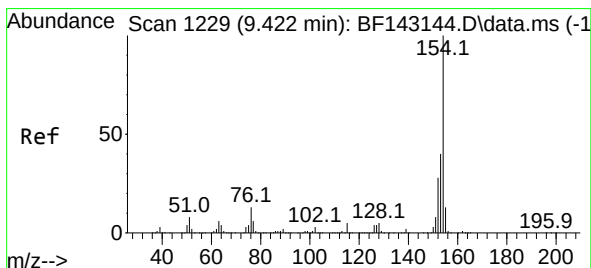
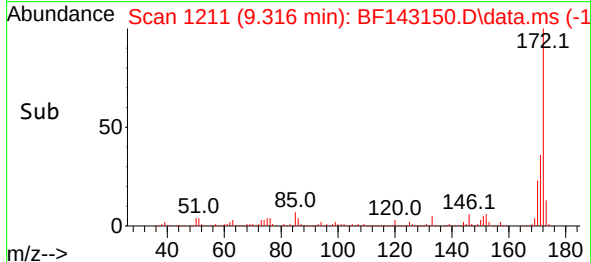
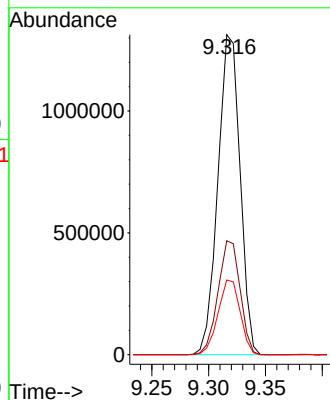
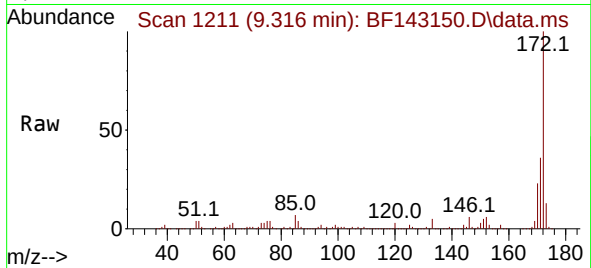




#45
2-Fluorobiphenyl
Concen: 72.370 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

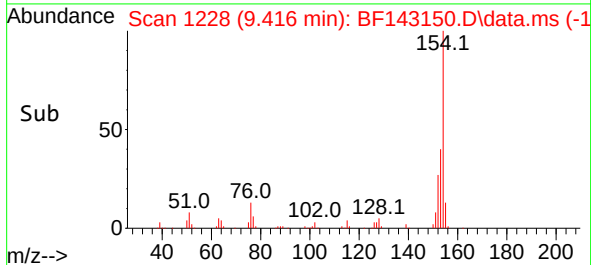
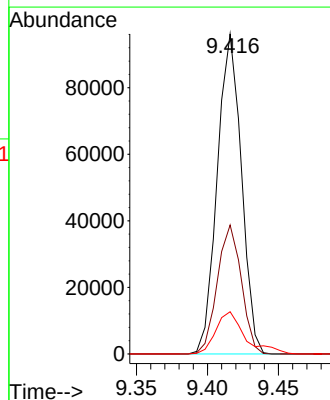
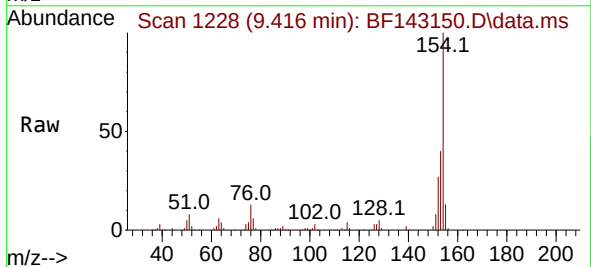
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

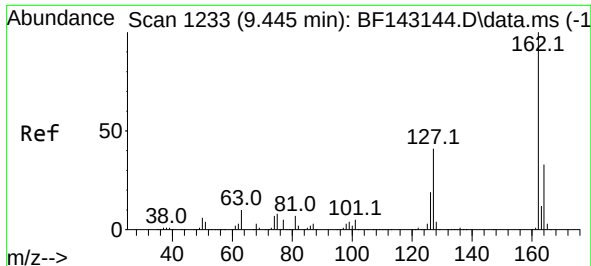
Tgt Ion:172 Resp: 1782658
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.4 18.8 28.2



#46
1,1'-Biphenyl
Concen: 4.319 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:154 Resp: 113521
Ion Ratio Lower Upper
154 100
153 40.3 20.3 60.3
76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 4.217 ng

RT: 9.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

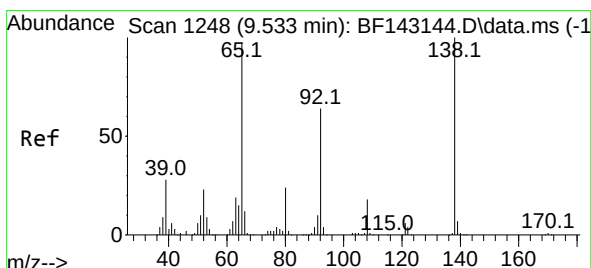
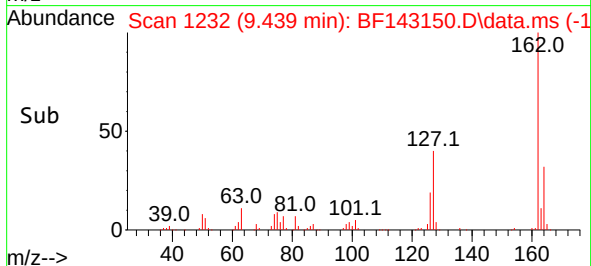
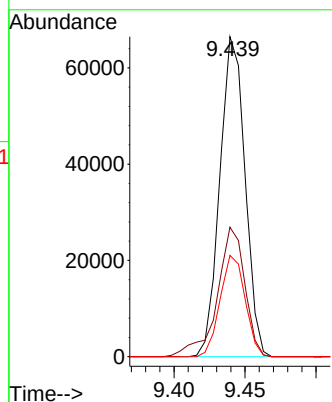
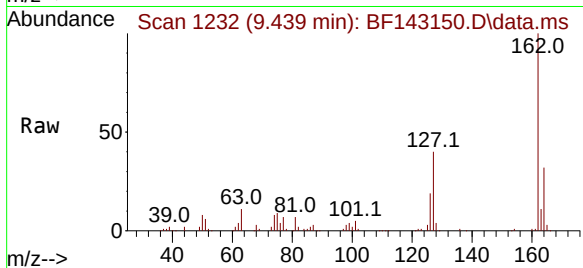
Tgt Ion:162 Resp: 82013

Ion Ratio Lower Upper

162 100

127 40.5 33.4 50.2

164 31.7 26.2 39.2



#48

2-Nitroaniline

Concen: 3.613 ng

RT: 9.522 min Scan# 1246

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

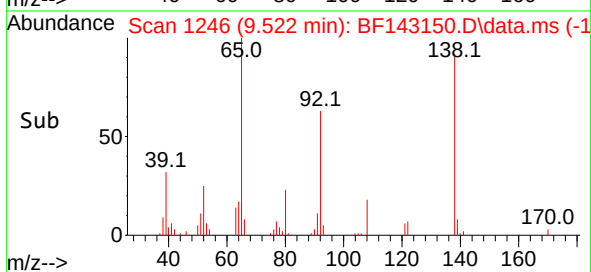
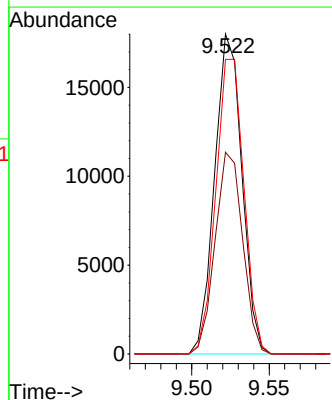
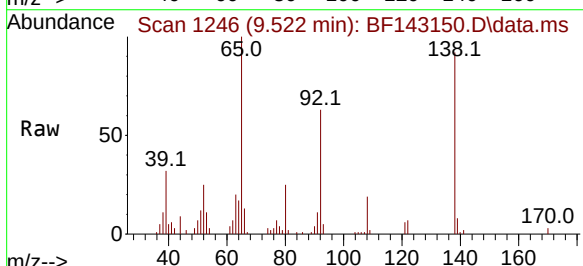
Tgt Ion: 65 Resp: 22033

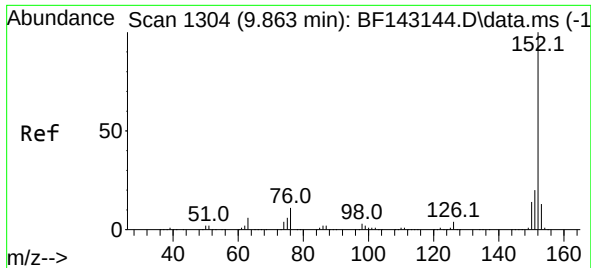
Ion Ratio Lower Upper

65 100

92 63.1 52.4 78.6

138 92.0 82.3 123.5





#49

Acenaphthylene

Concen: 4.193 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

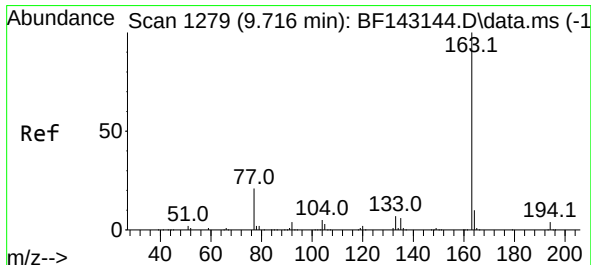
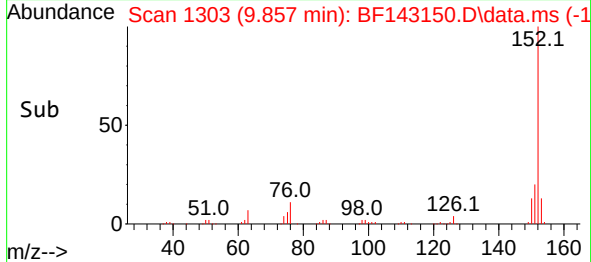
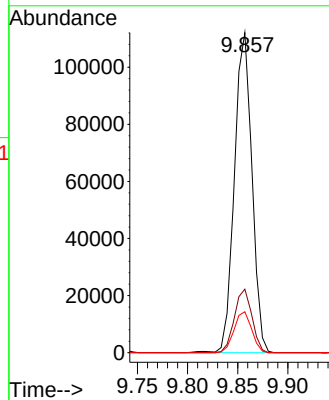
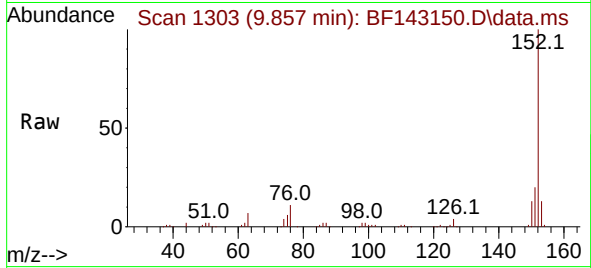
Tgt Ion:152 Resp: 136662

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 12.8 10.6 16.0



#50

Dimethylphthalate

Concen: 4.224 ng

RT: 9.704 min Scan# 1277

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

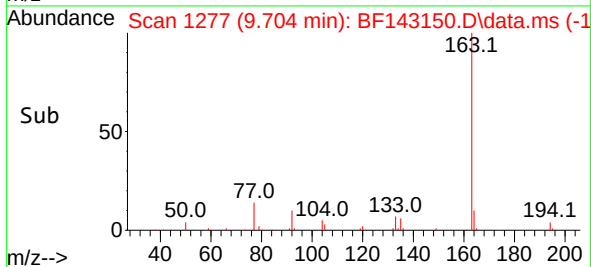
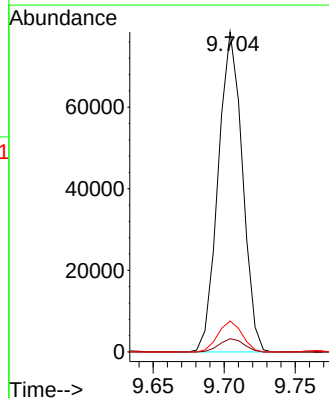
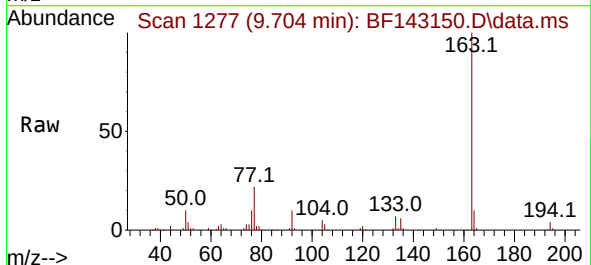
Tgt Ion:163 Resp: 92752

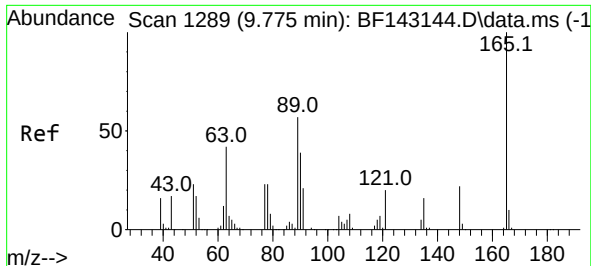
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

164 9.7 8.3 12.5

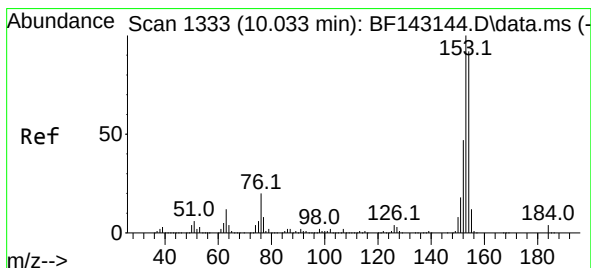
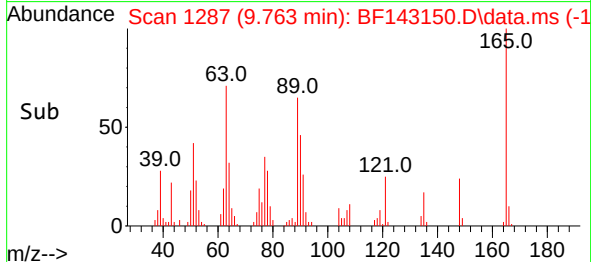
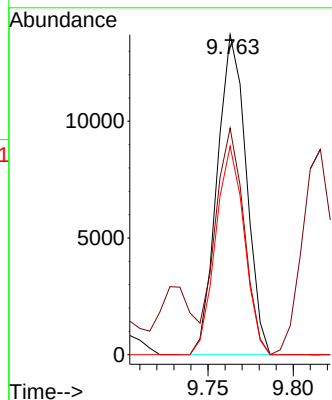
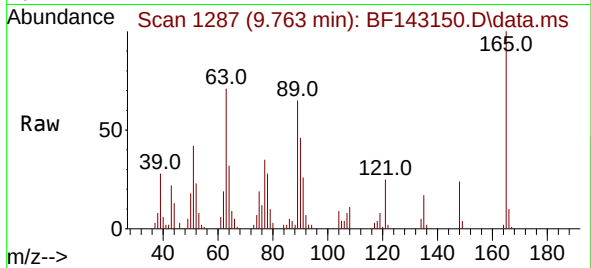




#51
2,6-Dinitrotoluene
Concen: 3.644 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

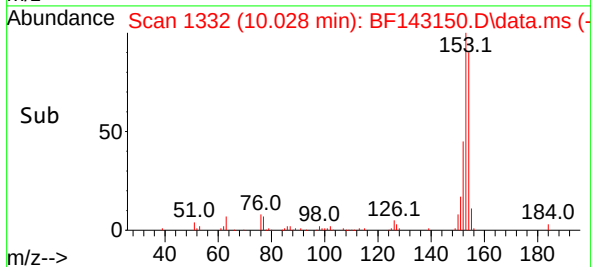
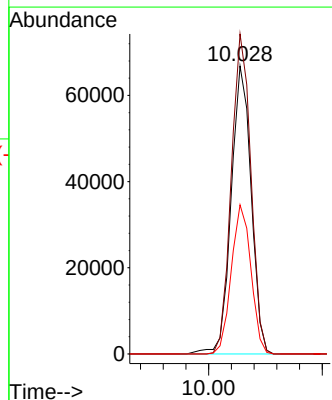
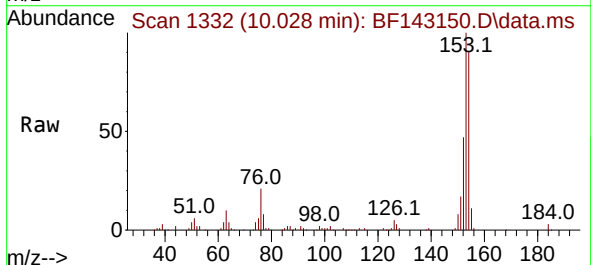
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

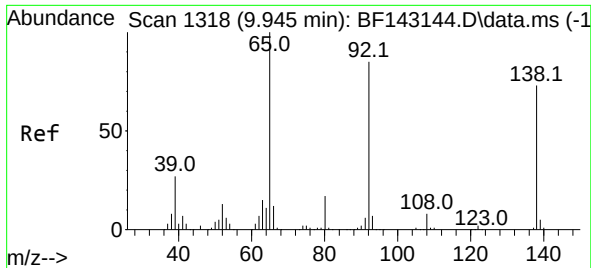
Tgt Ion:165 Resp: 16278
Ion Ratio Lower Upper
165 100
63 70.8 49.4 74.2
89 65.1 46.2 69.2



#52
Acenaphthene
Concen: 4.226 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:154 Resp: 81414
Ion Ratio Lower Upper
154 100
153 111.1 86.6 129.8
152 51.8 40.4 60.6

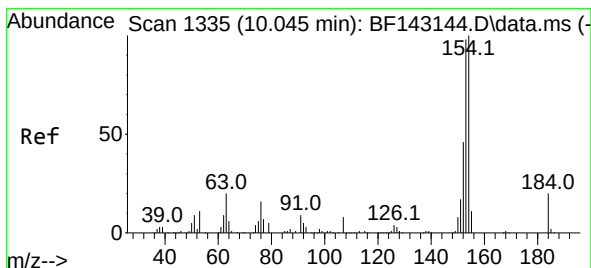
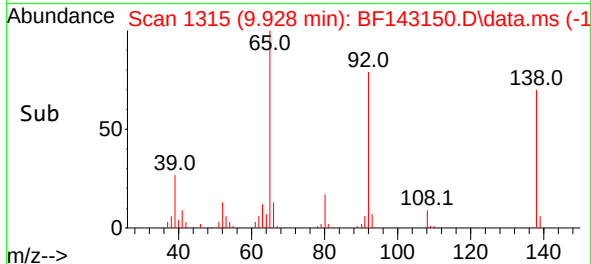
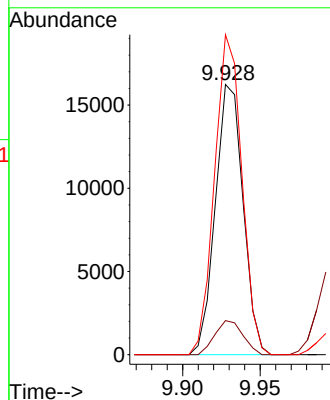
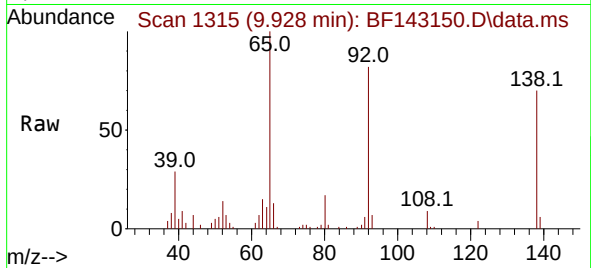




#53
3-Nitroaniline
Concen: 3.869 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

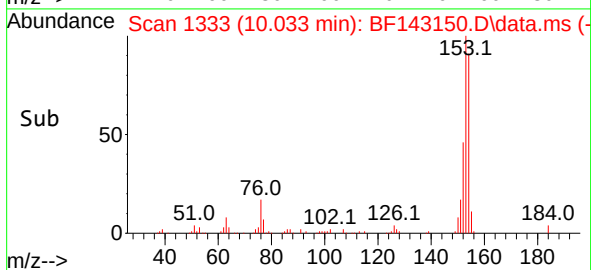
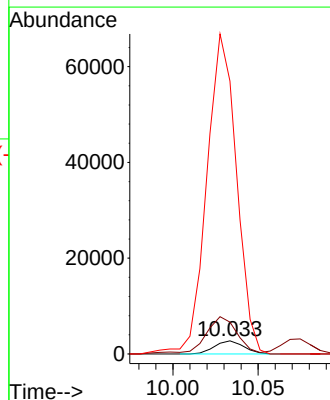
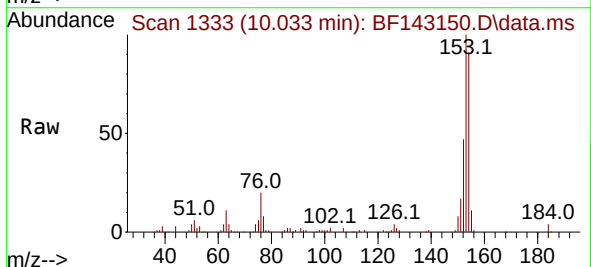
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

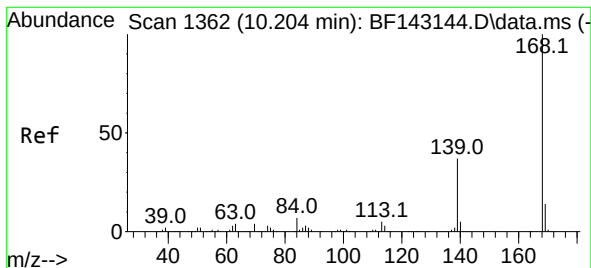
Tgt Ion:138 Resp: 20216
Ion Ratio Lower Upper
138 100
108 12.6 9.0 13.6
92 118.4 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 8.147 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:184 Resp: 3275
Ion Ratio Lower Upper
184 100
63 242.4 81.8 122.6#
154 2073.8 412.2 618.4#





#55

Dibenzenofuran

Concen: 4.319 ng

RT: 10.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

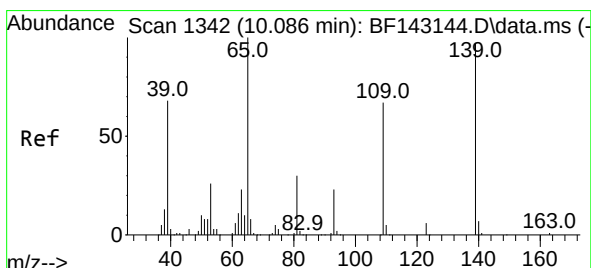
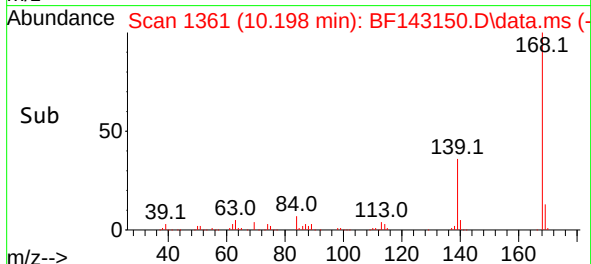
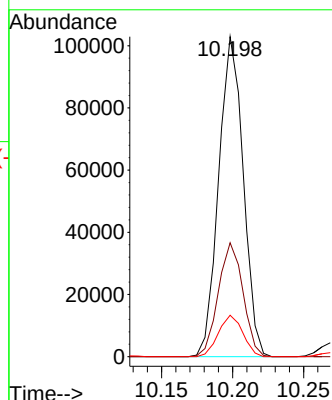
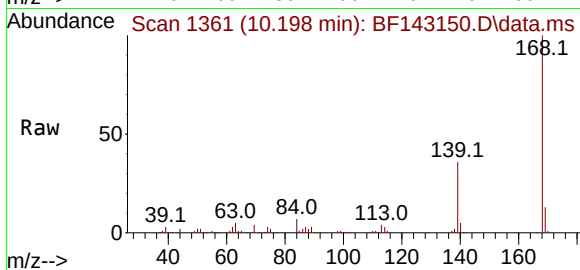
Tgt Ion:168 Resp: 123516

Ion Ratio Lower Upper

168 100

139 35.6 29.5 44.3

169 13.0 10.9 16.3



#56

4-Nitrophenol

Concen: 3.287 ng

RT: 10.075 min Scan# 1340

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

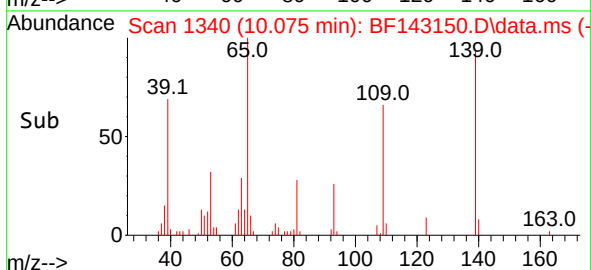
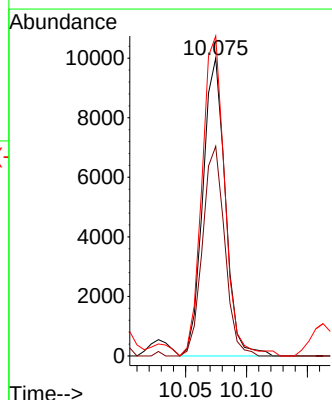
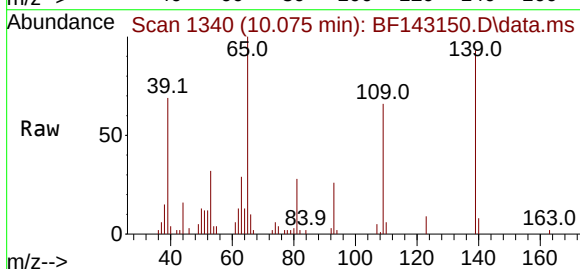
Tgt Ion:139 Resp: 12824

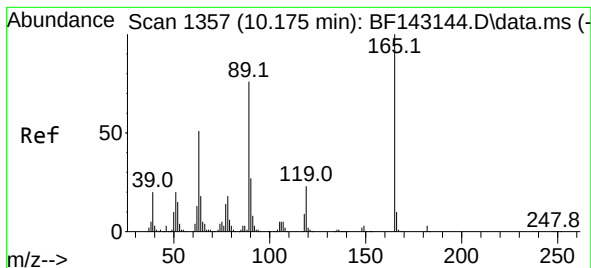
Ion Ratio Lower Upper

139 100

109 70.4 48.5 88.5

65 107.4 83.4 123.4

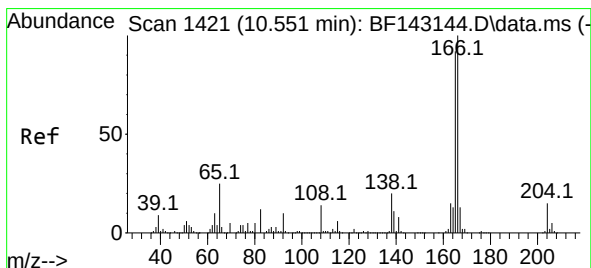
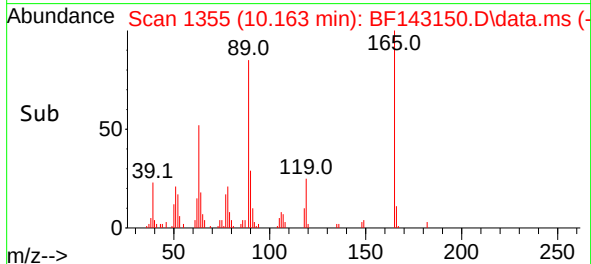
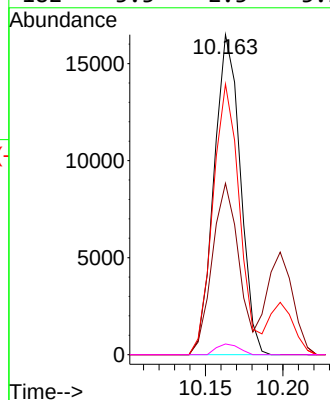
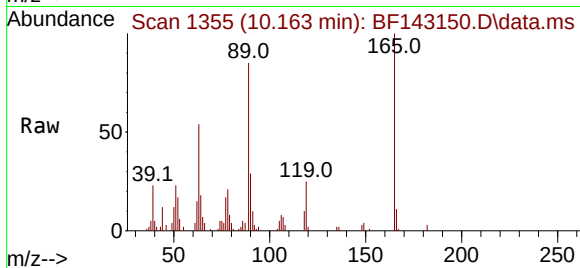




#57
2,4-Dinitrotoluene
Concen: 3.465 ng
RT: 10.163 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

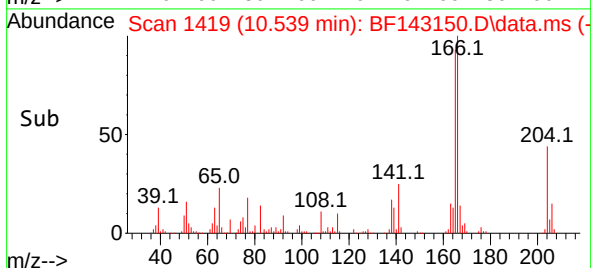
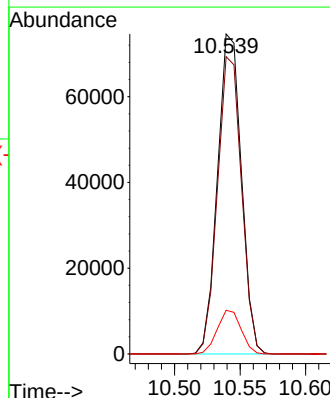
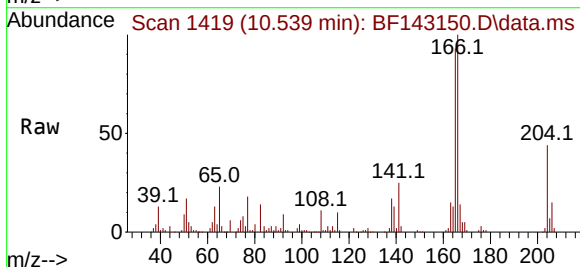
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

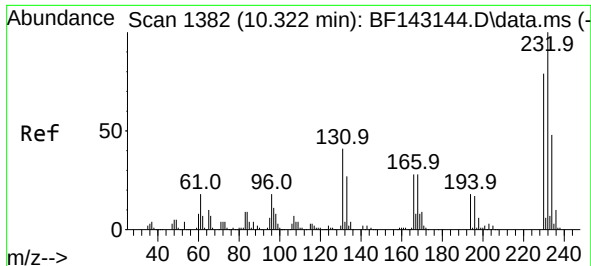
Tgt Ion:	165	Resp:	19421
Ion Ratio	Lower	Upper	
165	100		
63	53.5	41.0	61.4
89	84.5	61.1	91.7
182	3.3	2.3	3.5



#58
Fluorene
Concen: 4.401 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:	166	Resp:	94464
Ion Ratio	Lower	Upper	
166	100		
165	92.9	73.7	110.5
167	13.7	10.6	16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.893 ng

RT: 10.310 min Scan# 1380

Delta R.T. -0.012 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:232 Resp: 21716

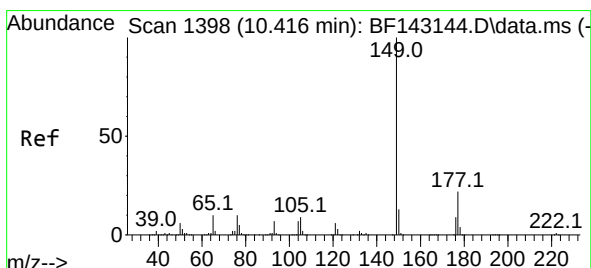
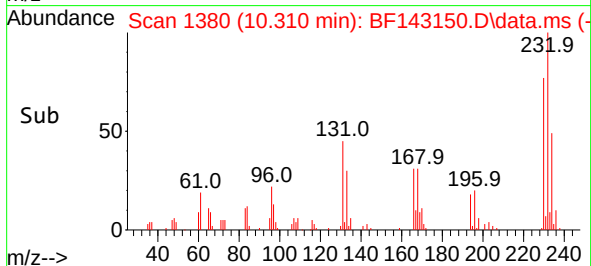
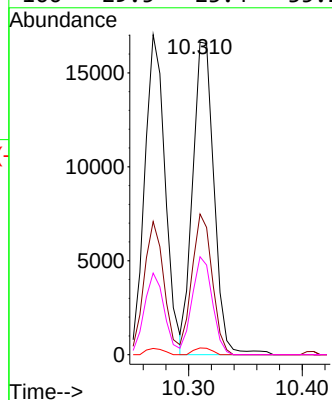
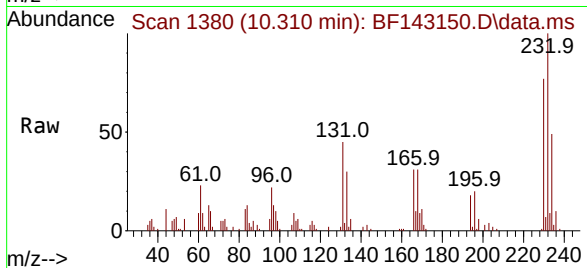
Ion Ratio Lower Upper

232 100

131 42.5 35.3 52.9

130 1.8 1.7 2.5

166 29.5 23.4 35.2



#60

Diethylphthalate

Concen: 4.071 ng

RT: 10.410 min Scan# 1397

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

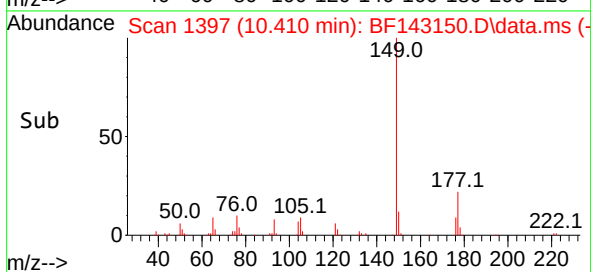
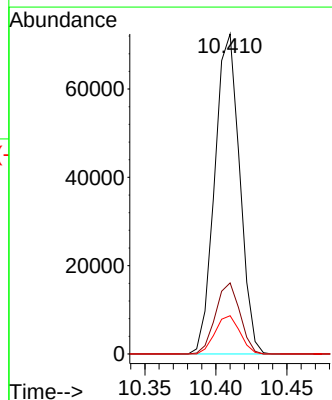
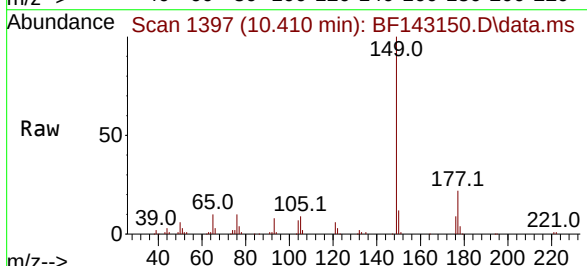
Tgt Ion:149 Resp: 88350

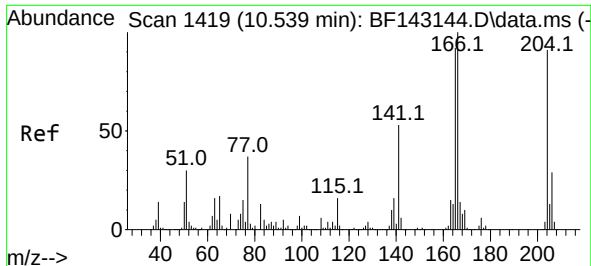
Ion Ratio Lower Upper

149 100

177 22.2 17.5 26.3

150 11.9 10.2 15.2

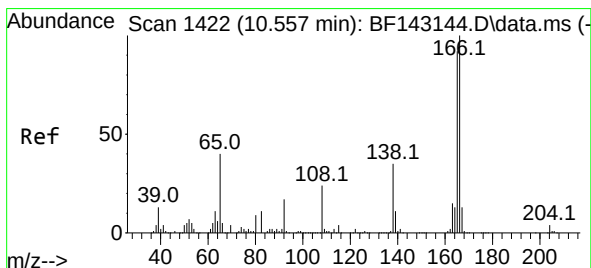
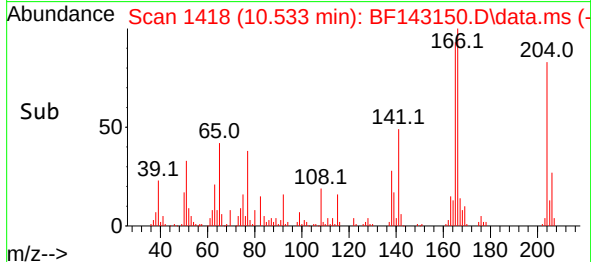
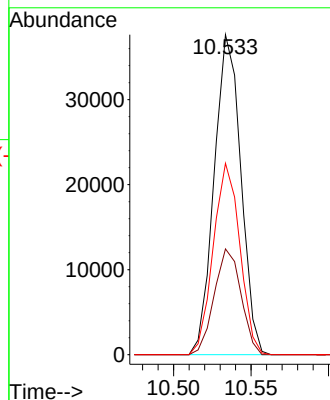
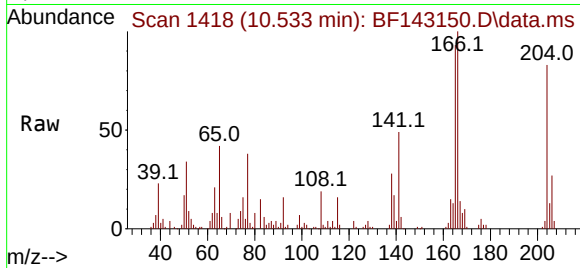




#61
4-Chlorophenyl-phenylether
Concen: 4.218 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

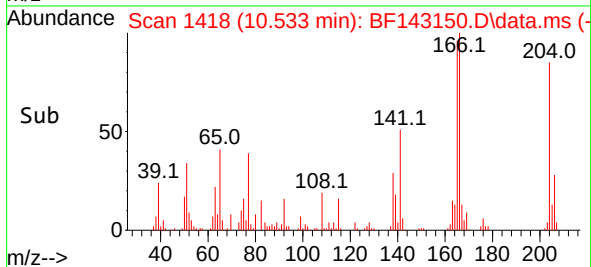
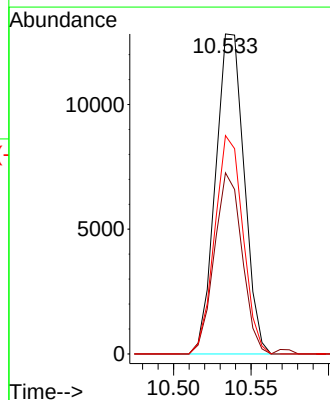
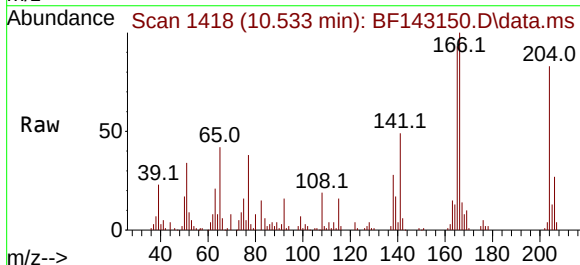
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

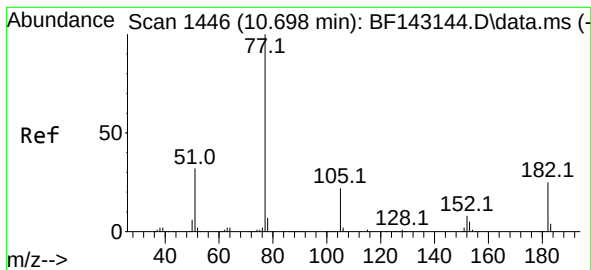
Tgt Ion:204 Resp: 45082
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 59.8 47.0 70.4



#62
4-Nitroaniline
Concen: 3.686 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:138 Resp: 16508
Ion Ratio Lower Upper
138 100
92 56.6 29.3 69.3
108 68.3 48.3 88.3





#63

Azobenzene

Concen: 4.098 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 77 Resp: 92702

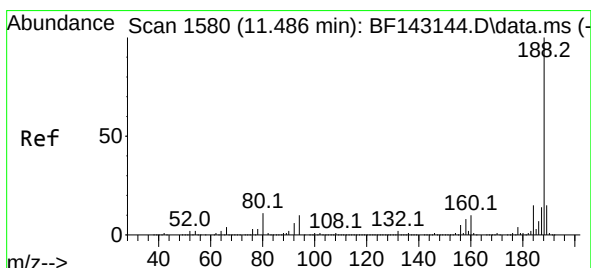
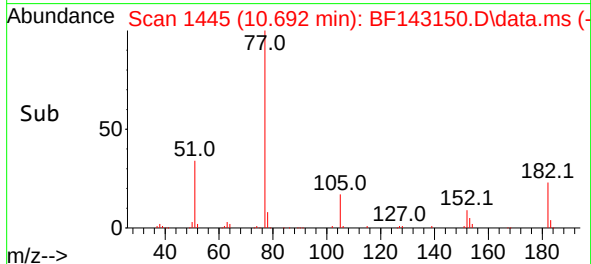
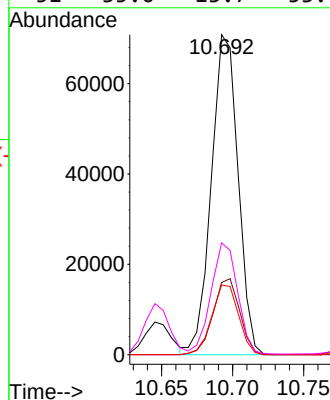
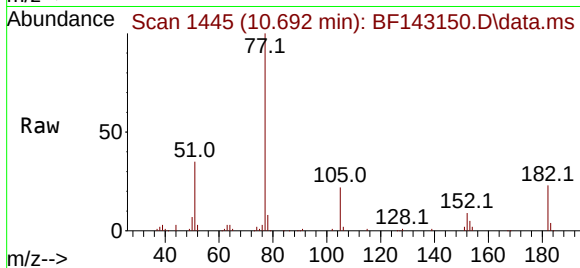
Ion Ratio Lower Upper

77 100

182 22.5 4.6 44.6

105 21.8 1.4 41.4

51 35.0 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: BF143150.D

Acq: 17 Jul 2025 16:06

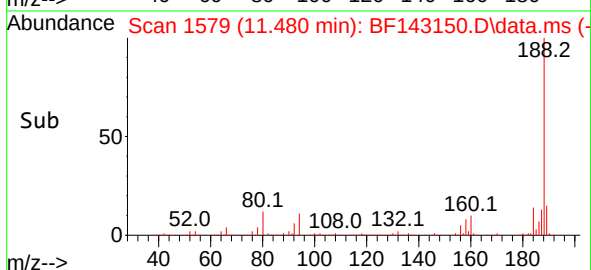
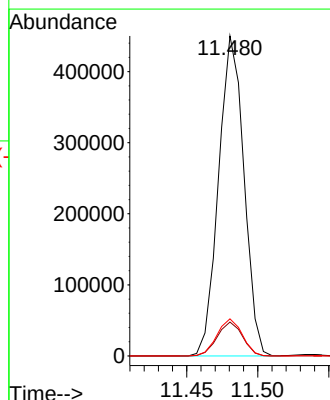
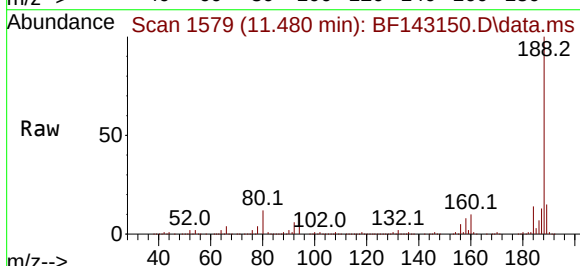
Tgt Ion:188 Resp: 558964

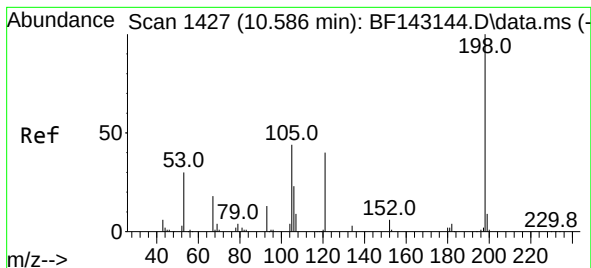
Ion Ratio Lower Upper

188 100

94 10.6 8.3 12.5

80 11.6 9.0 13.6

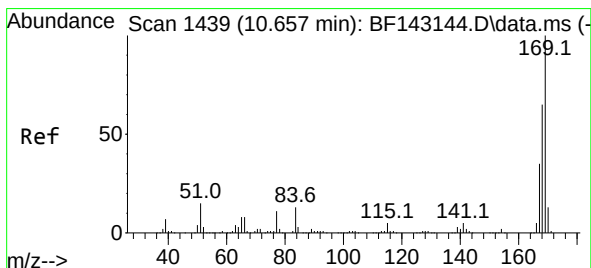
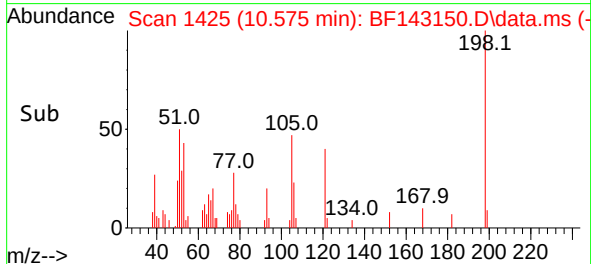
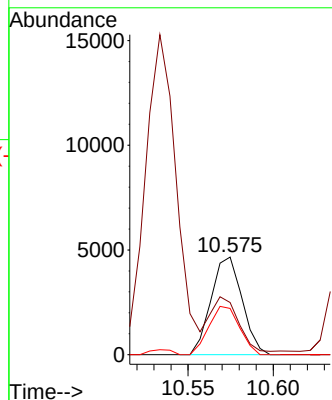
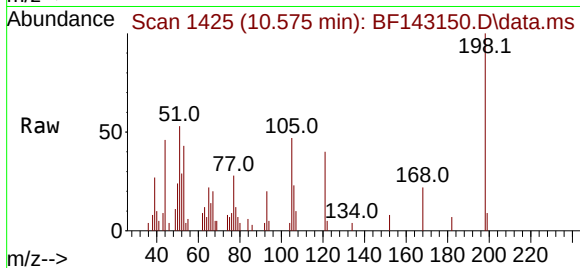




#65
4,6-Dinitro-2-methylphenol
Concen: 7.203 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.011 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

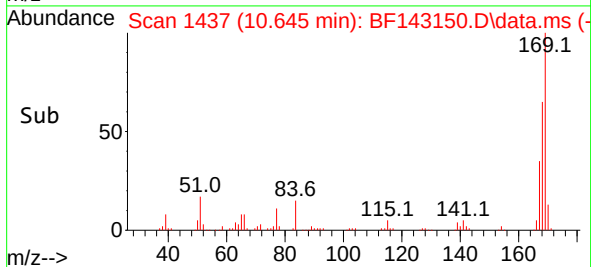
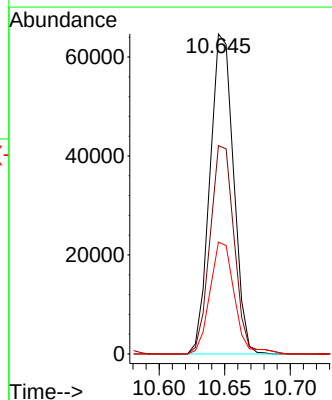
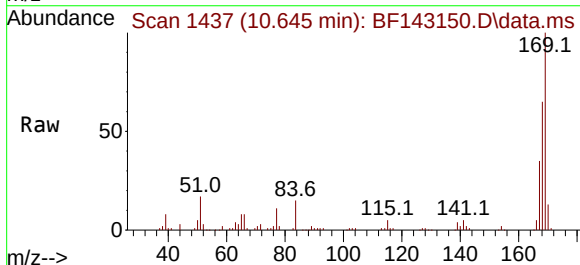
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

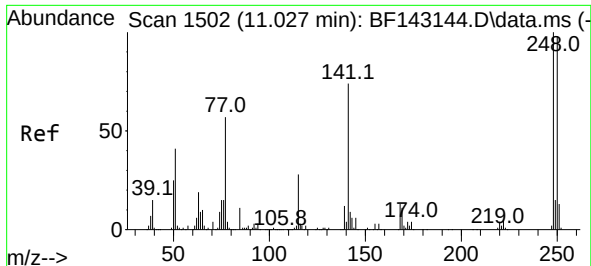
Tgt Ion:198 Resp: 5914
Ion Ratio Lower Upper
198 100
51 53.5 37.2 77.2
105 47.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 4.117 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:169 Resp: 81042
Ion Ratio Lower Upper
169 100
168 65.1 52.1 78.1
167 34.9 28.2 42.2

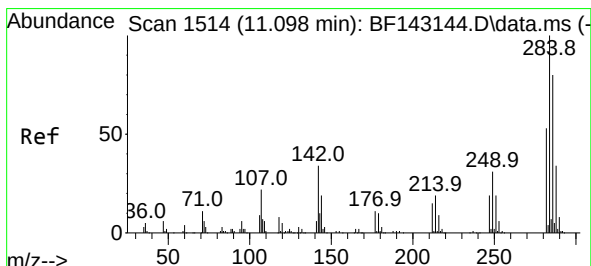
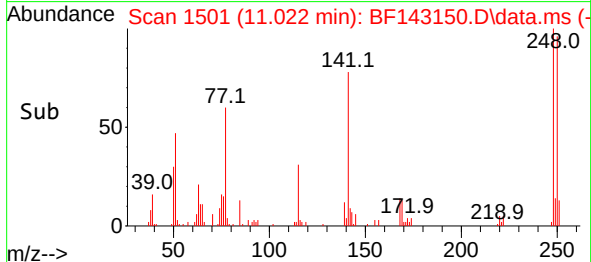
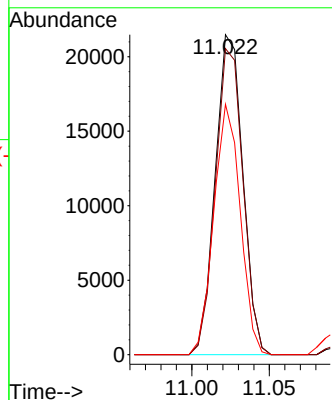
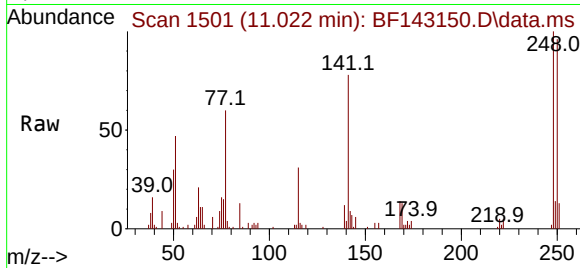




#67
4-Bromophenyl-phenylether
Concen: 4.006 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

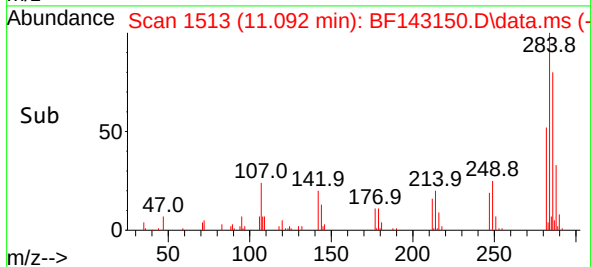
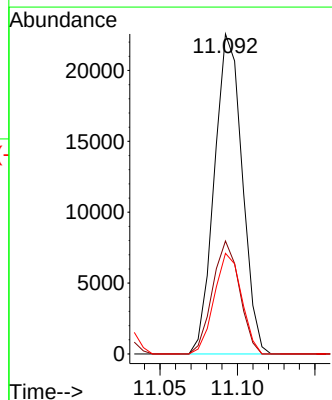
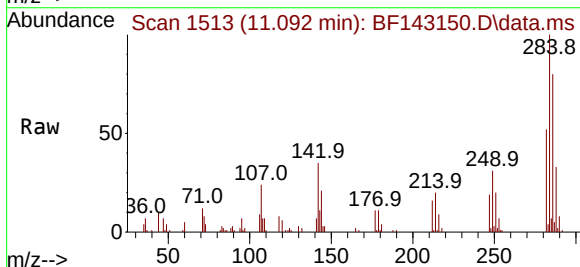
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

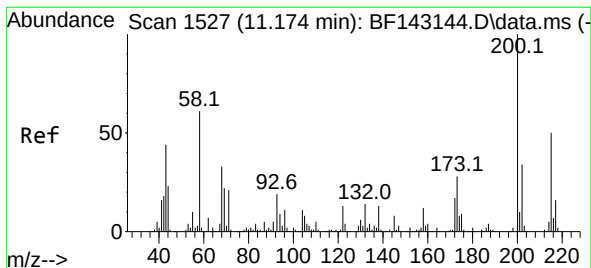
Tgt Ion:248 Resp: 26687
Ion Ratio Lower Upper
248 100
250 95.6 78.3 117.5
141 78.2 59.2 88.8



#68
Hexachlorobenzene
Concen: 4.046 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:284 Resp: 28171
Ion Ratio Lower Upper
284 100
142 35.3 27.0 40.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 3.823 ng

RT: 11.169 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

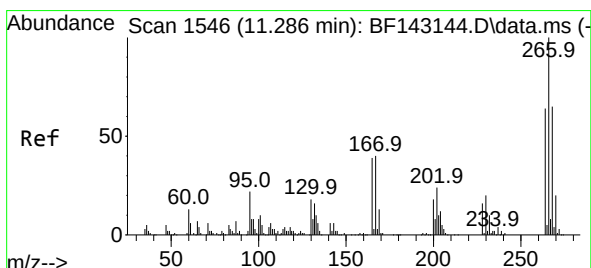
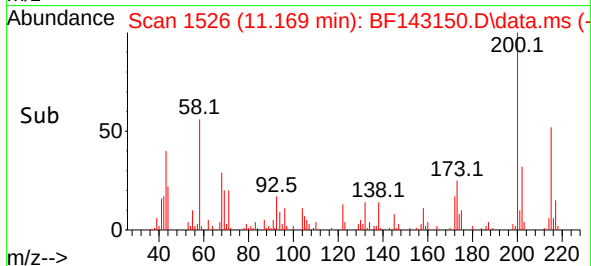
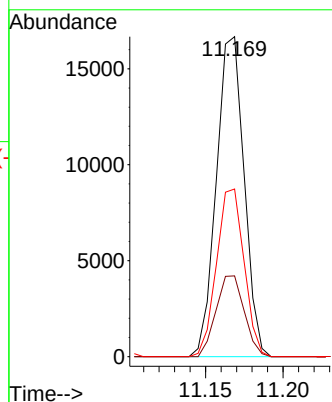
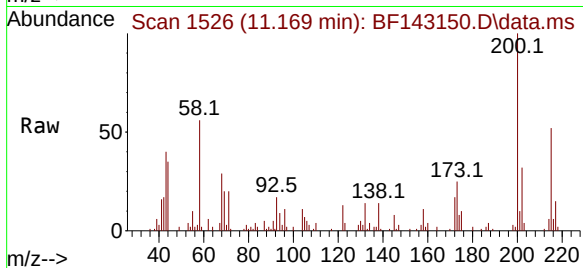
Tgt Ion:200 Resp: 20747

Ion Ratio Lower Upper

200 100

173 25.2 7.9 47.9

215 52.4 30.1 70.1



#70

Pentachlorophenol

Concen: 3.132 ng

RT: 11.280 min Scan# 1545

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

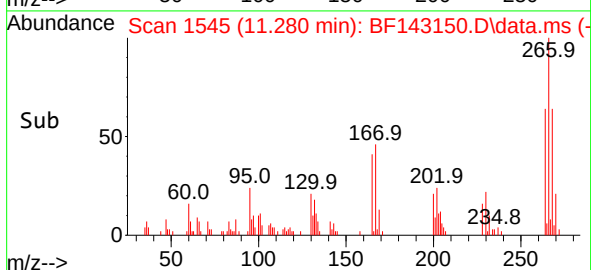
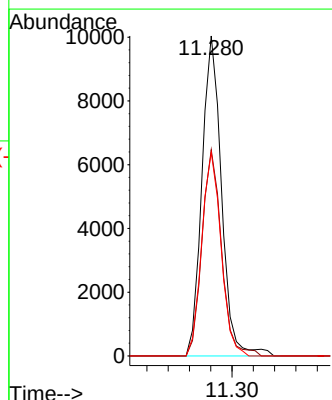
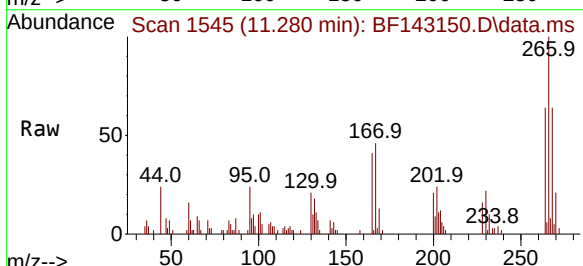
Tgt Ion:266 Resp: 12826

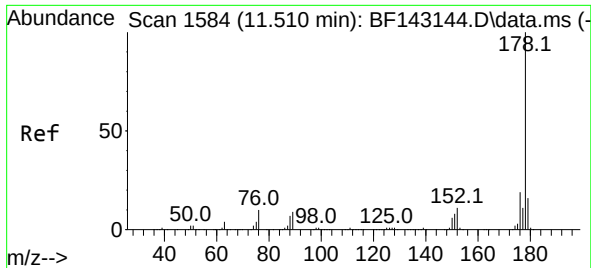
Ion Ratio Lower Upper

266 100

268 64.5 51.9 77.9

264 63.7 51.0 76.6

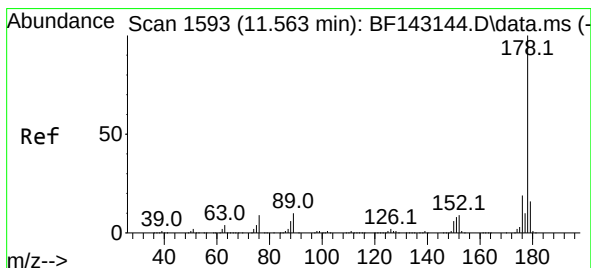
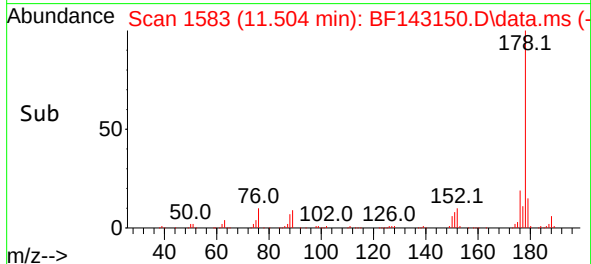
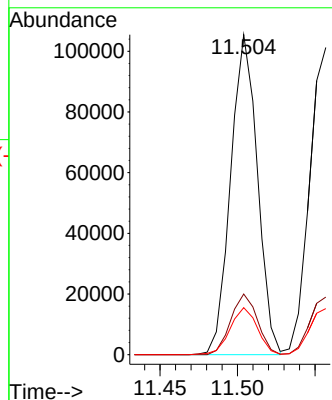
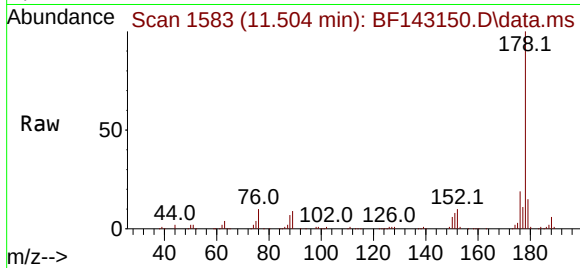




#71
Phenanthrene
Concen: 4.265 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

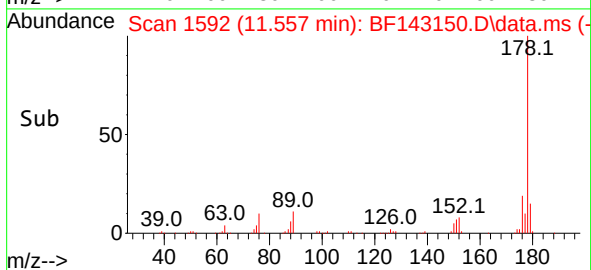
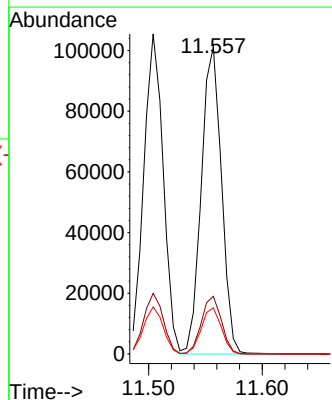
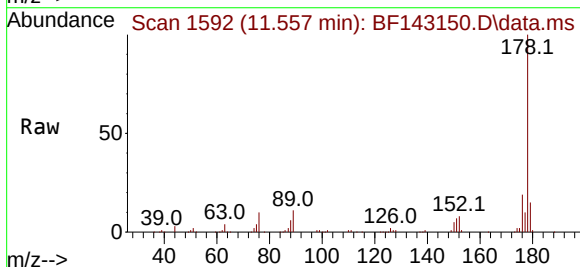
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

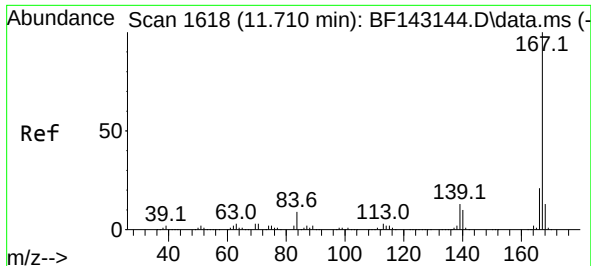
Tgt Ion:178 Resp: 126593
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 14.7 12.5 18.7



#72
Anthracene
Concen: 4.128 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

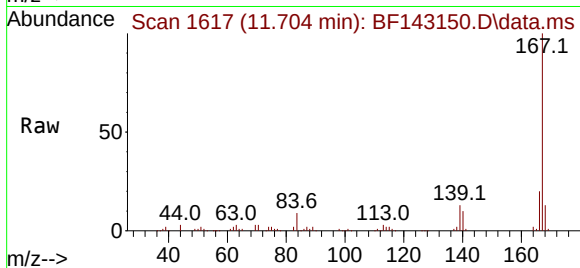
Tgt Ion:178 Resp: 124949
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.0 12.5 18.7





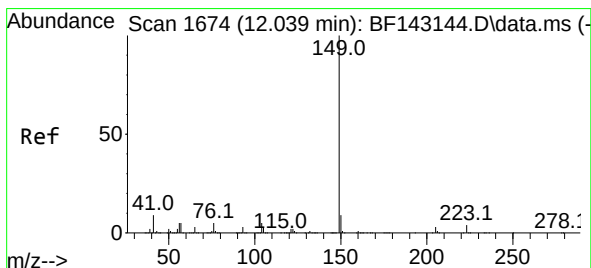
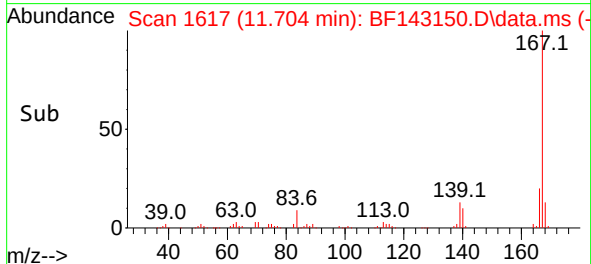
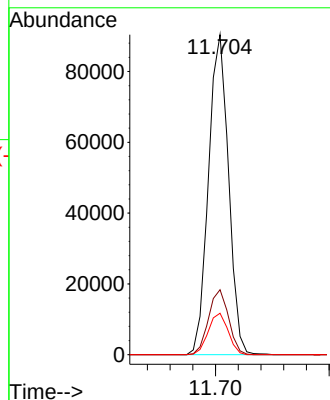
#73
 Carbazole
 Concen: 4.190 ng
 RT: 11.704 min Scan# 1617
 Delta R.T. -0.006 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

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



Tgt Ion:167 Resp: 110748

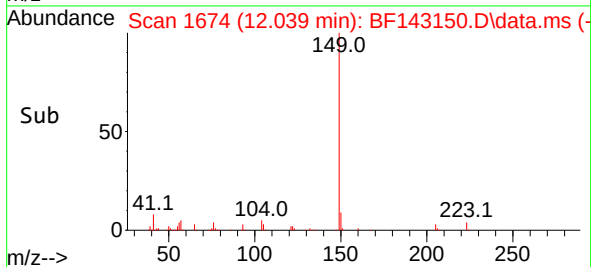
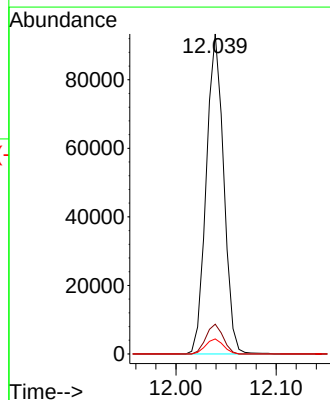
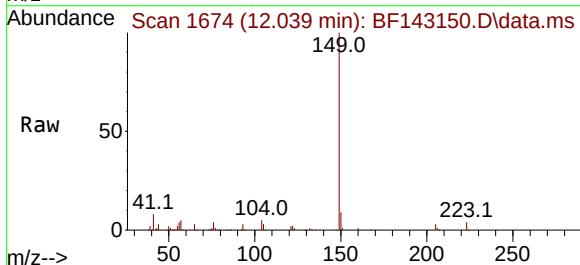
Ion	Ratio	Lower	Upper
167	100		
166	20.3	17.0	25.6
139	13.0	10.0	15.0

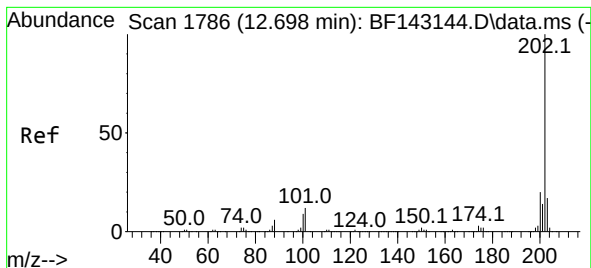


#74
 Di-n-butylphthalate
 Concen: 3.777 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

Tgt Ion:149 Resp: 112945

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.8	5.8





#75

Fluoranthene

Concen: 4.091 ng

RT: 12.692 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

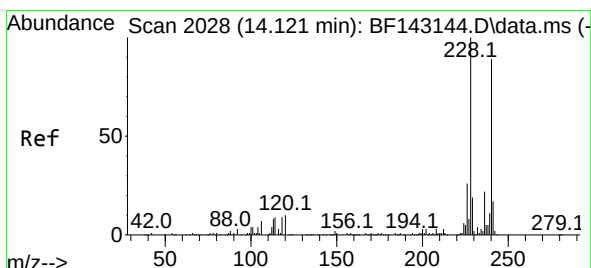
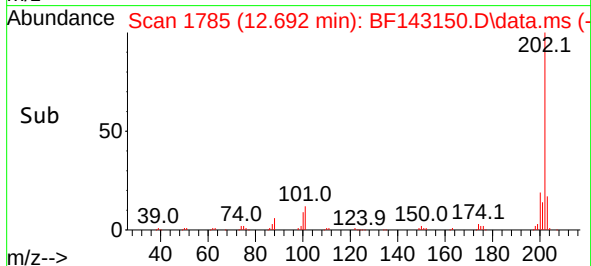
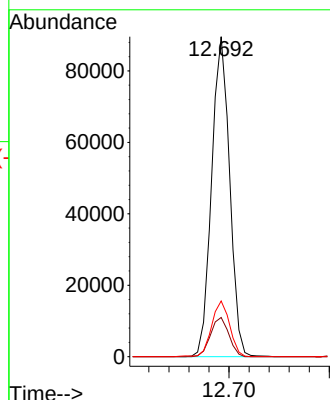
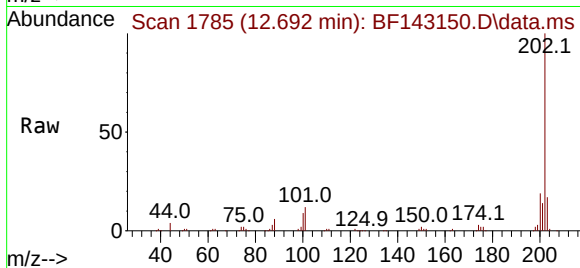
Tgt Ion:202 Resp: 111442

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.7

203 17.4 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: BF143150.D

Acq: 17 Jul 2025 16:06

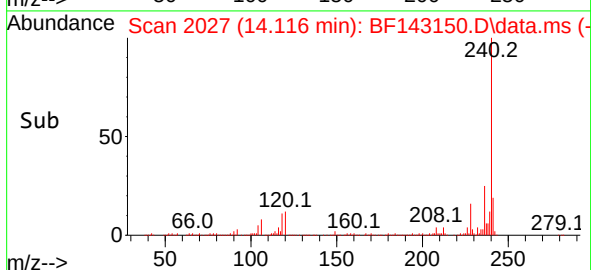
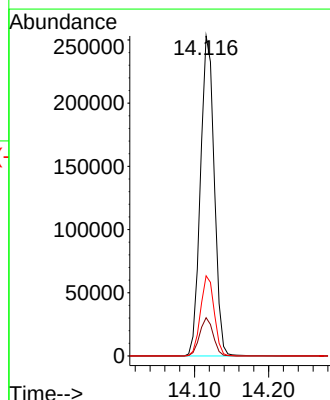
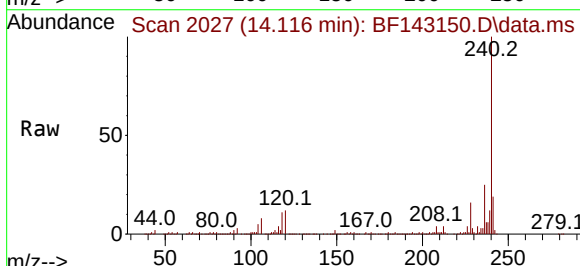
Tgt Ion:240 Resp: 326988

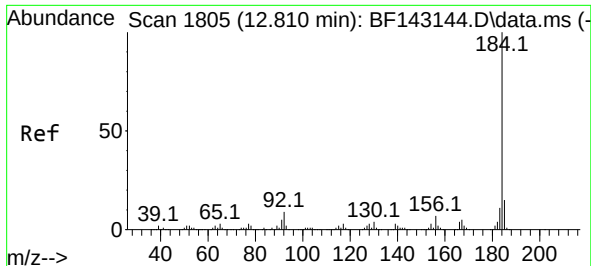
Ion Ratio Lower Upper

240 100

120 12.0 9.4 14.2

236 25.0 20.2 30.4

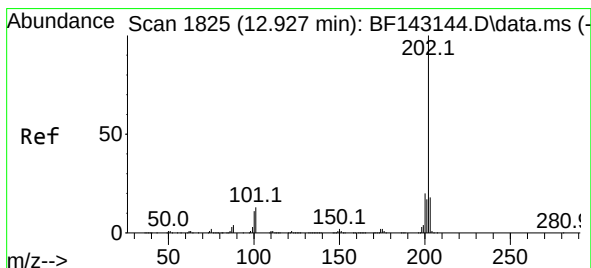
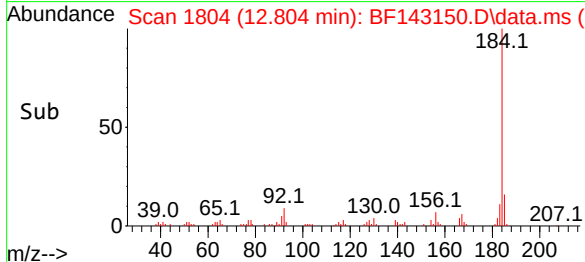
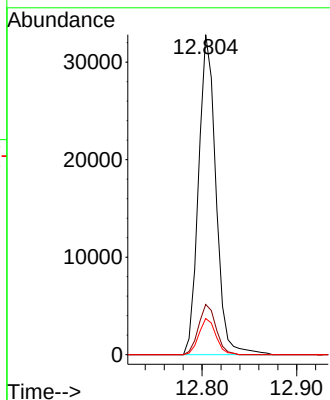
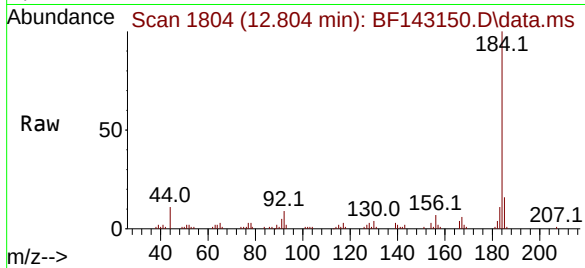




#77
Benzidine
Concen: 3.327 ng
RT: 12.804 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

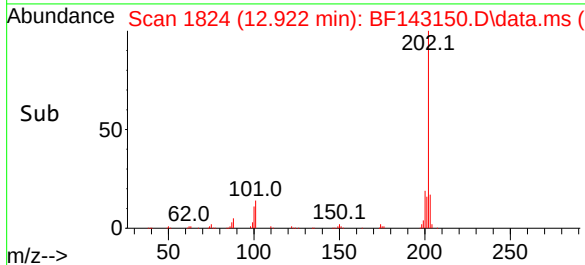
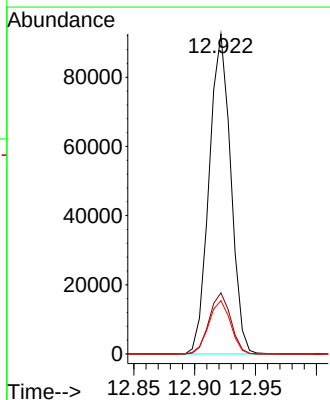
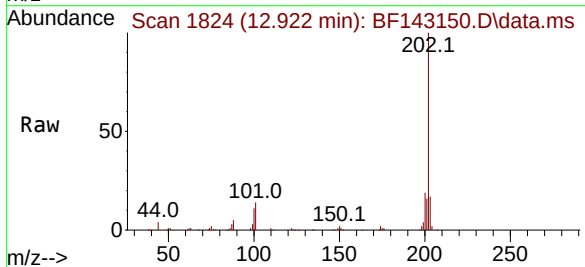
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

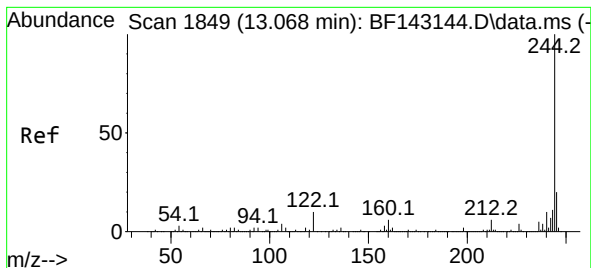
Tgt Ion:184 Resp: 41914
Ion Ratio Lower Upper
184 100
185 15.7 12.2 18.4
183 11.3 9.0 13.4



#78
Pyrene
Concen: 4.092 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:202 Resp: 114207
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 16.7 14.2 21.2





#79

Terphenyl-d14

Concen: 76.398 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

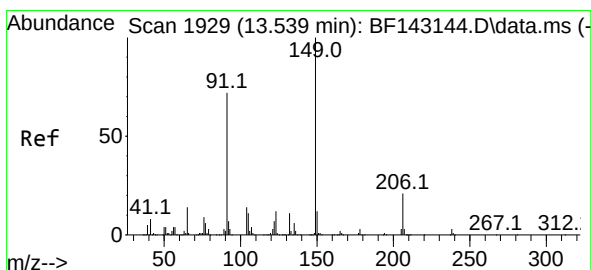
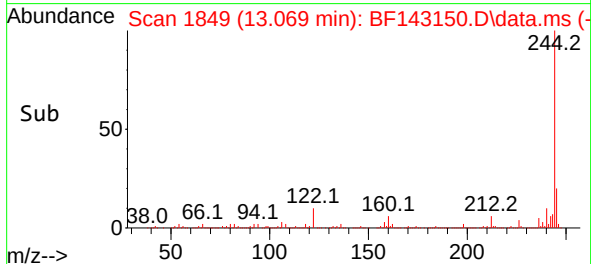
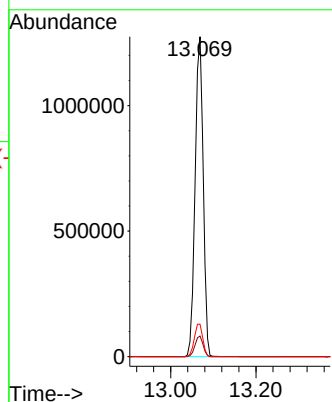
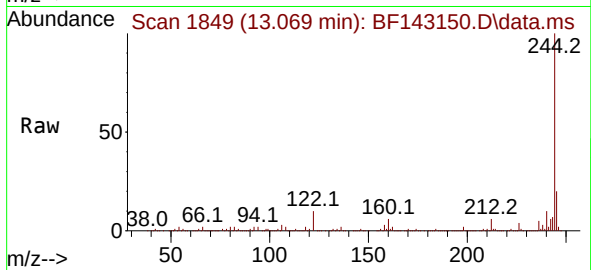
Tgt Ion:244 Resp: 1678718

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.1 8.2 12.2



#80

Butylbenzylphthalate

Concen: 3.120 ng

RT: 13.533 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

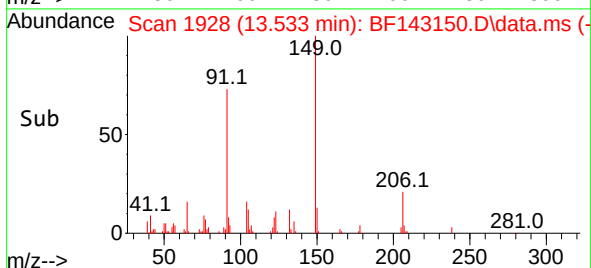
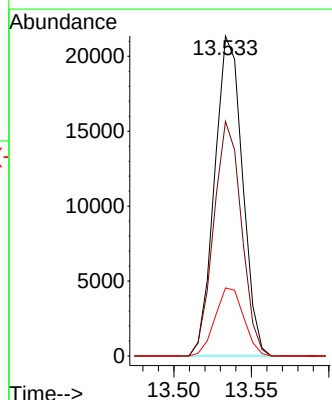
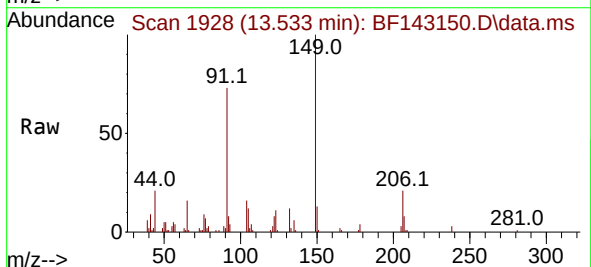
Tgt Ion:149 Resp: 26666

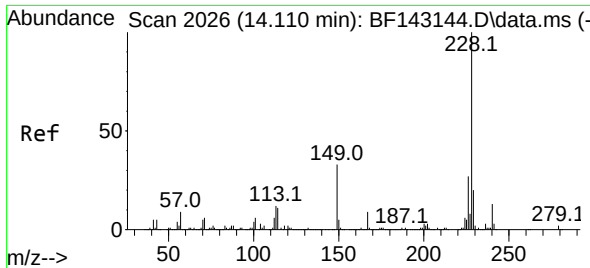
Ion Ratio Lower Upper

149 100

91 73.3 57.9 86.9

206 21.3 17.0 25.4

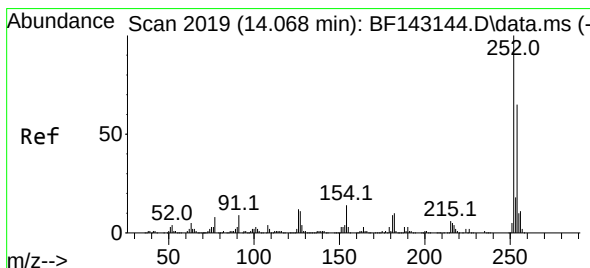
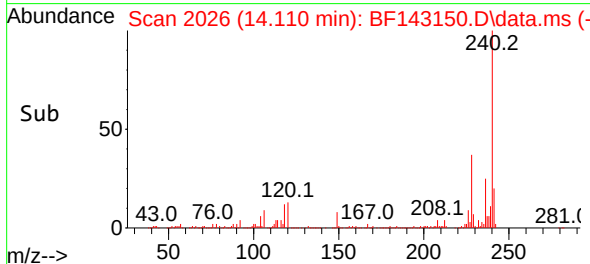
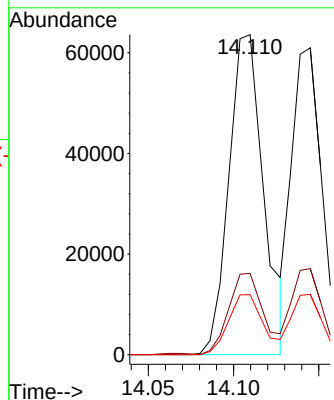
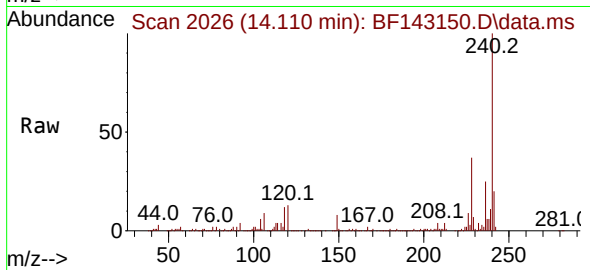




#81
Benzo(a)anthracene
Concen: 4.121 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

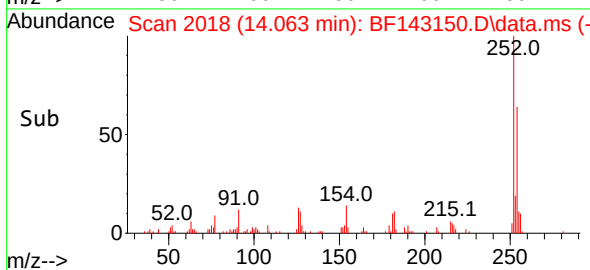
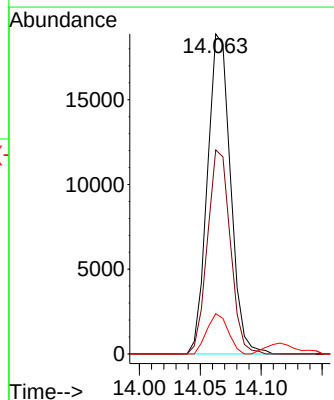
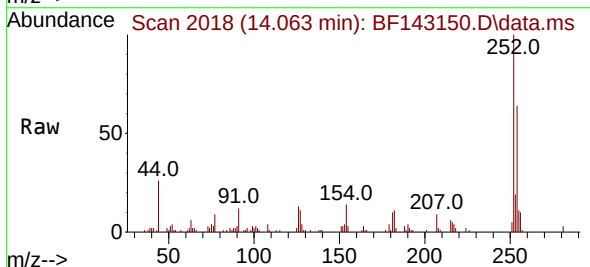
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

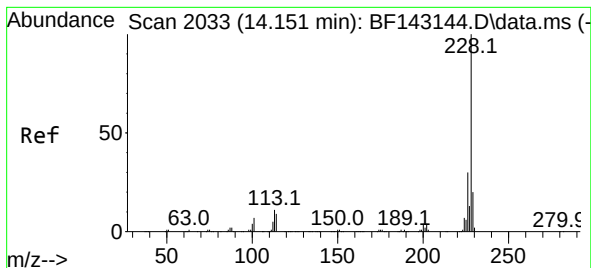
Tgt Ion:228 Resp: 90220
Ion Ratio Lower Upper
228 100
226 25.4 21.7 32.5
229 18.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 3.406 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:252 Resp: 24852
Ion Ratio Lower Upper
252 100
254 63.7 51.7 77.5
126 12.6 9.4 14.0





#83

Chrysene

Concen: 3.813 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

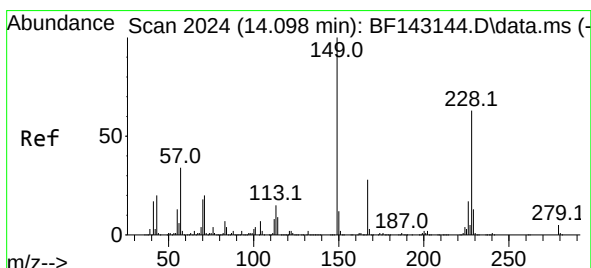
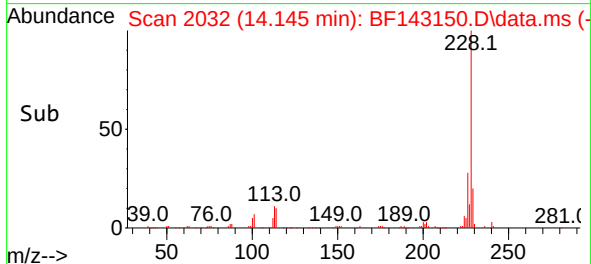
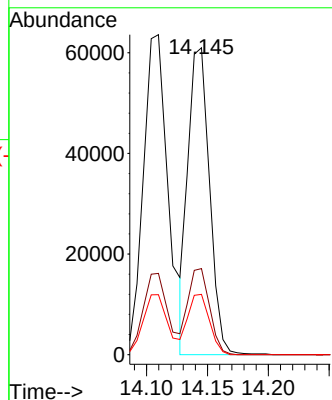
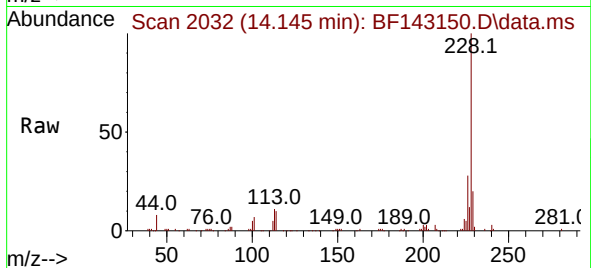
Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:228	Resp:	75056
Ion Ratio	Lower	Upper
228	100	
226	28.1	23.8 35.8
229	19.6	15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.281 ng

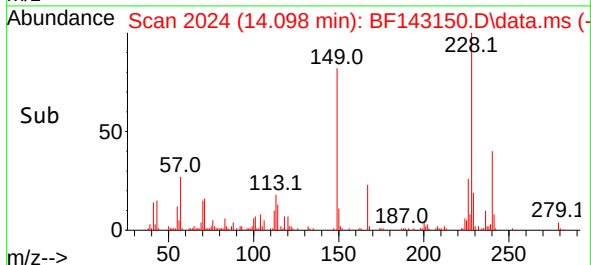
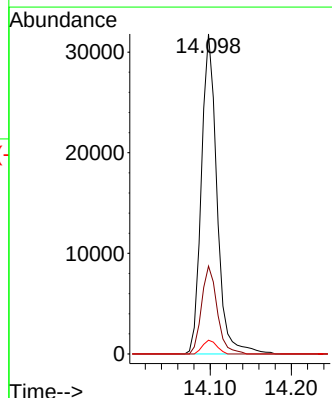
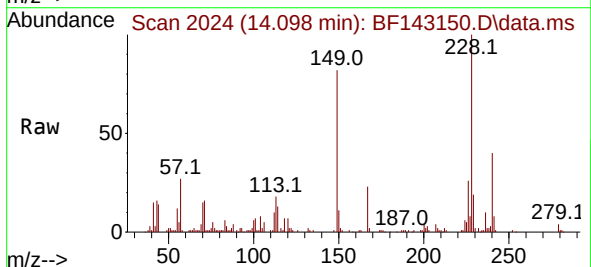
RT: 14.098 min Scan# 2024

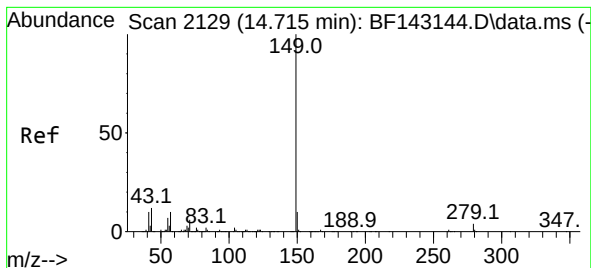
Delta R.T. 0.000 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Tgt Ion:149	Resp:	42441
Ion Ratio	Lower	Upper
149	100	
167	27.5	22.3 33.5
279	4.3	3.6 5.4





#85

Di-n-octyl phthalate

Concen: 2.938 ng

RT: 14.710 min Scan# 2129

Delta R.T. -0.006 min

Lab File: BF143150.D

Acq: 17 Jul 2025 16:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2025

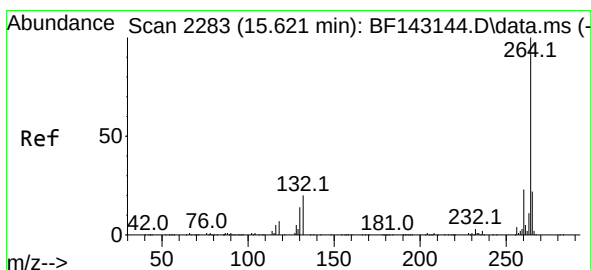
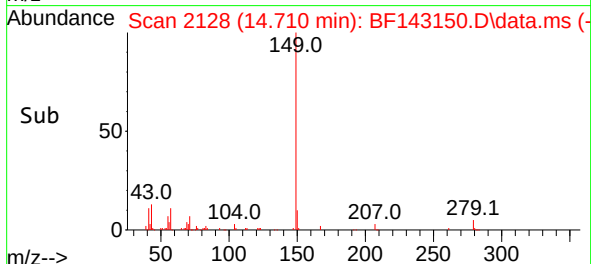
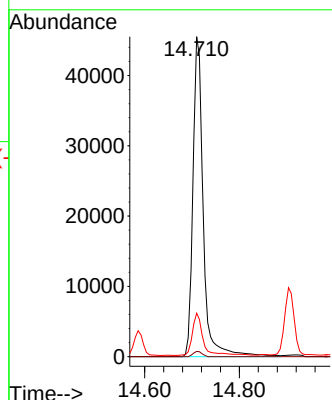
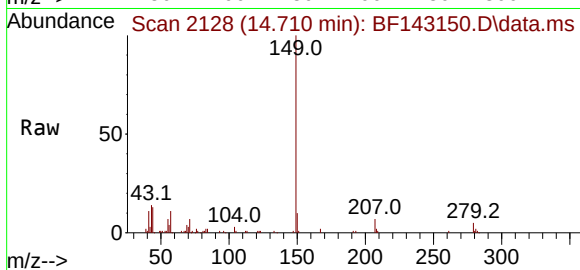
Tgt Ion:149 Resp: 68887

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 13.6 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: BF143150.D

Acq: 17 Jul 2025 16:06

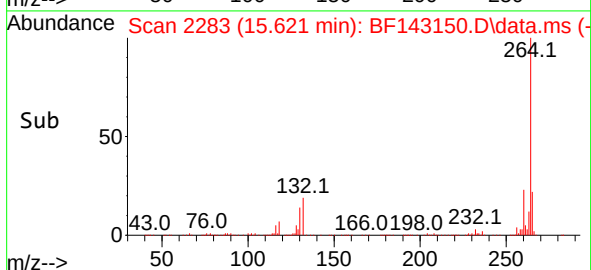
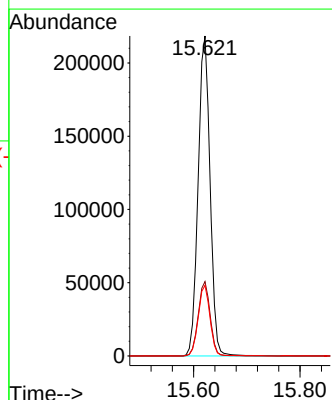
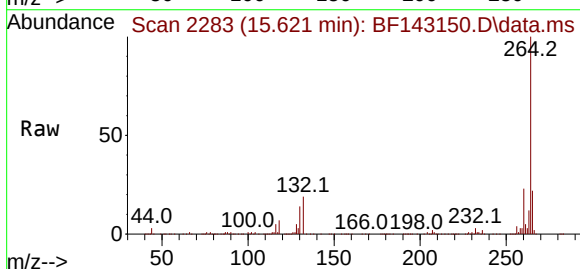
Tgt Ion:264 Resp: 339766

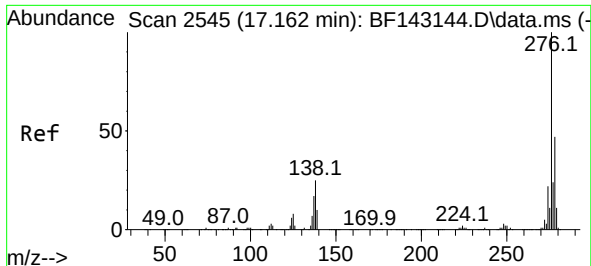
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 22.0 17.4 26.2

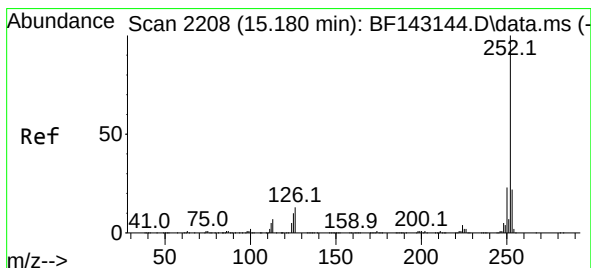
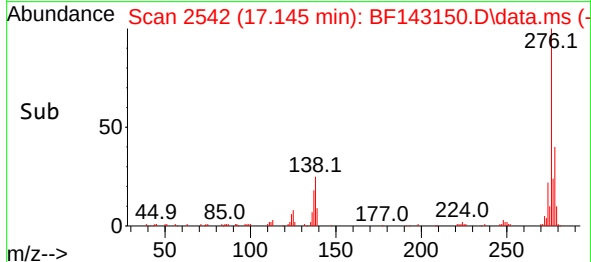
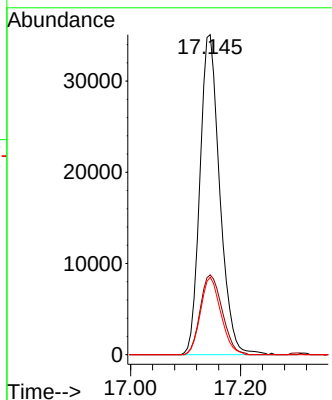
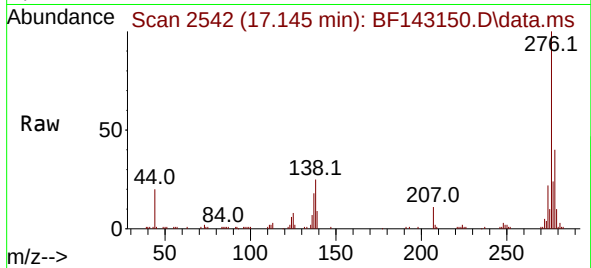




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.664 ng
 RT: 17.145 min Scan# 211
 Delta R.T. -0.018 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

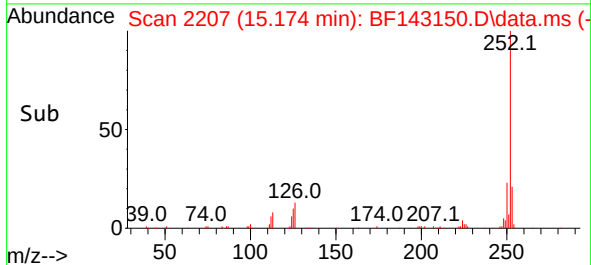
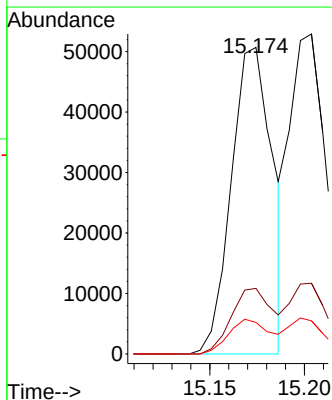
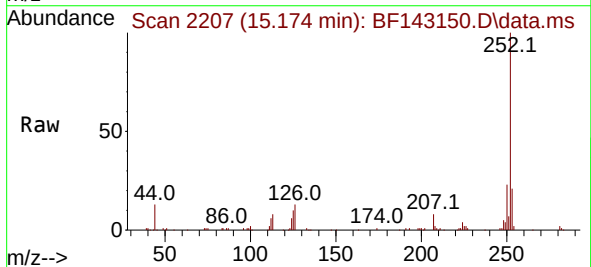
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

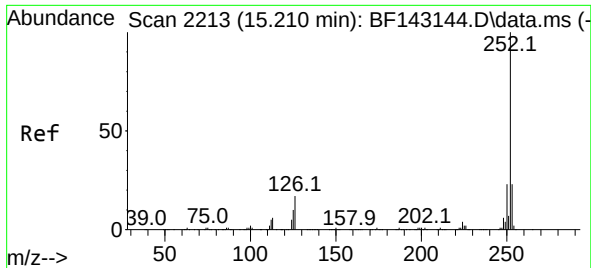
Tgt Ion:276 Resp: 87778
 Ion Ratio Lower Upper
 276 100
 138 27.6 21.8 32.6
 277 24.7 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 3.693 ng
 RT: 15.174 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF143150.D
 Acq: 17 Jul 2025 16:06

Tgt Ion:252 Resp: 76657
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.5 26.3
 125 10.3 8.0 12.0

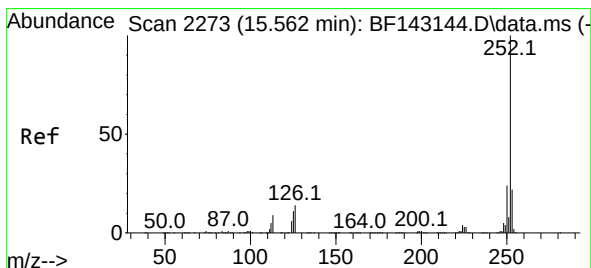
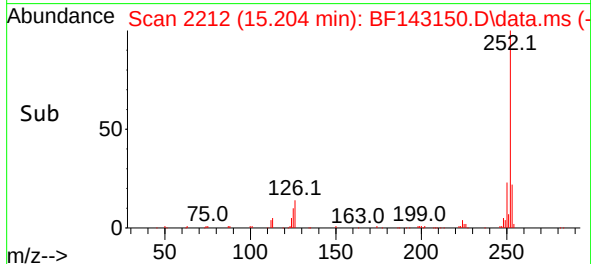
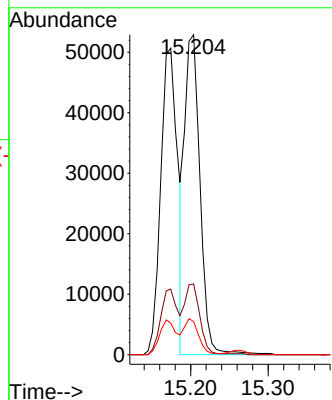
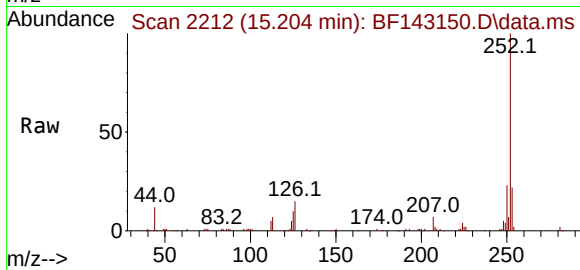




#89
Benzo(k)fluoranthene
Concen: 3.981 ng
RT: 15.204 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

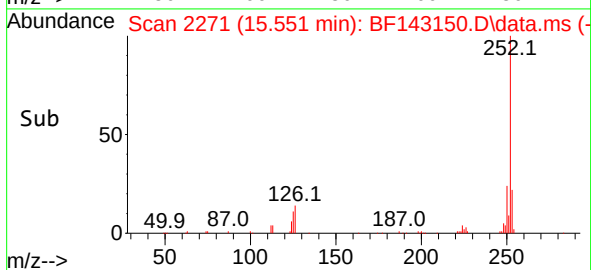
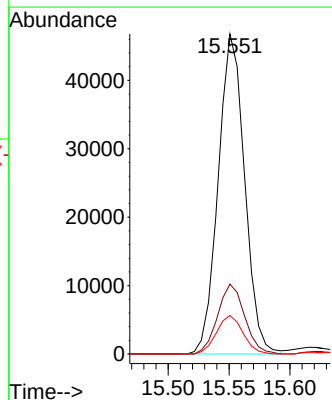
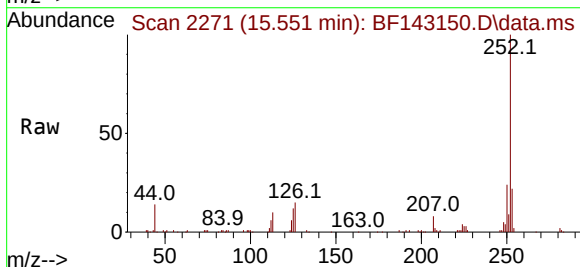
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2025

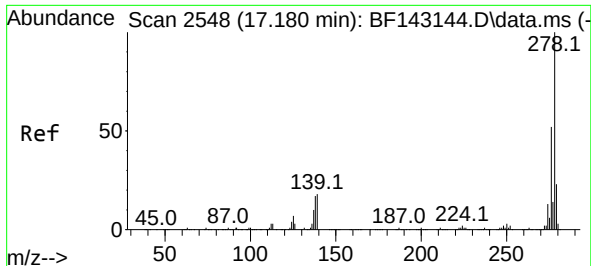
Tgt Ion:252 Resp: 73738
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.3 8.1 12.1



#90
Benzo(a)pyrene
Concen: 3.691 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:252 Resp: 70582
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 12.1 8.6 13.0

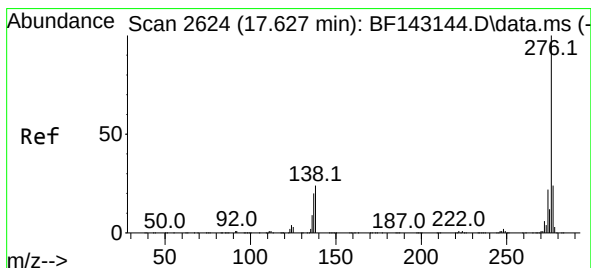
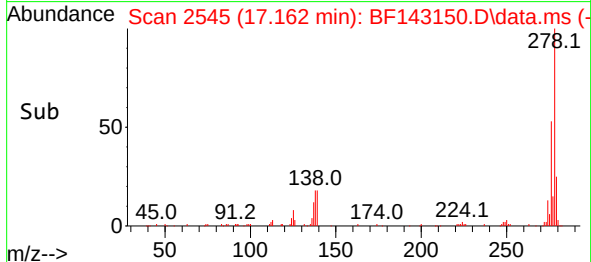
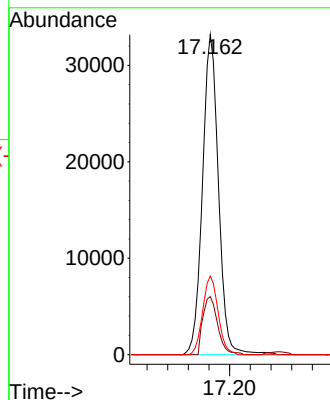
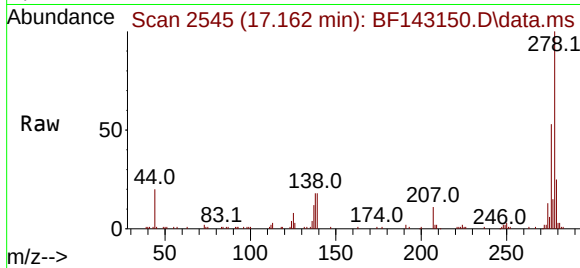




#91
Dibenzo(a,h)anthracene
Concen: 3.662 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

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

Tgt Ion:278 Resp: 71409
Ion Ratio Lower Upper
278 100
139 18.2 14.1 21.1
279 24.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 3.668 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143150.D
Acq: 17 Jul 2025 16:06

Tgt Ion:276 Resp: 69195
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 24.6 18.9 28.3

