

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
 Data File : BF143652.D
 Acq On : 05 Sep 2025 10:52
 Operator : RC/JU
 Sample : Q2893-03
 Misc : MDL-SOIL 4PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Quant Time: Sep 05 12:07:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	79784	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	299297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	175072	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	295792	20.000	ng	0.00
76) Chrysene-d12	14.045	240	204078	20.000	ng	0.00
86) Perylene-d12	15.515	264	169814	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	536976	119.233	ng	0.00
7) Phenol-d6	6.510	99	675569	120.861	ng	0.00
23) Nitrobenzene-d5	7.451	82	425796	99.989	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	214817	146.733	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	936316	85.445	ng	0.00
79) Terphenyl-d14	12.998	244	1073847	87.676	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	7981	3.756	ng	95
3) Pyridine	3.504	79	18364	3.262	ng	94
4) n-Nitrosodimethylamine	3.381	42	8118	3.472	ng	94
6) Aniline	6.551	93	29994	3.855	ng	99
8) 2-Chlorophenol	6.675	128	18564	3.980	ng	88
9) Benzaldehyde	6.439	77	15795	3.803	ng	98
10) Phenol	6.522	94	23346	3.810	ng	# 51
11) bis(2-Chloroethyl)ether	6.622	93	17997	3.750	ng	99
12) 1,3-Dichlorobenzene	6.828	146	22209	3.858	ng	95
13) 1,4-Dichlorobenzene	6.904	146	23383	4.050	ng	98
14) 1,2-Dichlorobenzene	7.057	146	21962	4.020	ng	98
15) Benzyl Alcohol	7.022	79	15577	3.667	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	25962	3.437	ng	99
17) 2-Methylphenol	7.122	107	14911	3.657	ng	97
18) Hexachloroethane	7.404	117	6866	3.812	ng	95
19) n-Nitroso-di-n-propyla...	7.292	70	13918	3.910	ng	98
20) 3+4-Methylphenols	7.281	107	20009	3.898	ng	# 86
22) Acetophenone	7.292	105	27542	4.069	ng	# 96
24) Nitrobenzene	7.469	77	20934	4.598	ng	97
25) Isophorone	7.698	82	36251	3.778	ng	99
26) 2-Nitrophenol	7.781	139	7415	7.408	ng	98
27) 2,4-Dimethylphenol	7.810	122	17617	4.217	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	22962	3.914	ng	97
29) 2,4-Dichlorophenol	8.016	162	16007	3.904	ng	97
30) 1,2,4-Trichlorobenzene	8.110	180	19085	4.272	ng	98
31) Naphthalene	8.192	128	58437	3.992	ng	99
32) Benzoic acid	7.845	122	4403	8.985	ng	89
33) 4-Chloroaniline	8.233	127	22284	4.396	ng	98
34) Hexachlorobutadiene	8.310	225	11407	3.925	ng	95
35) Caprolactam	8.557	113	3968	3.612	ng	93
36) 4-Chloro-3-methylphenol	8.698	107	16554	3.856	ng	97
37) 2-Methylnaphthalene	8.881	142	36018	3.637	ng	99
38) 1-Methylnaphthalene	8.981	142	37445	3.955	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	18925	3.911	ng	99
41) Hexachlorocyclopentadiene	9.033	237	10419	4.434	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	11664	3.913	ng	97

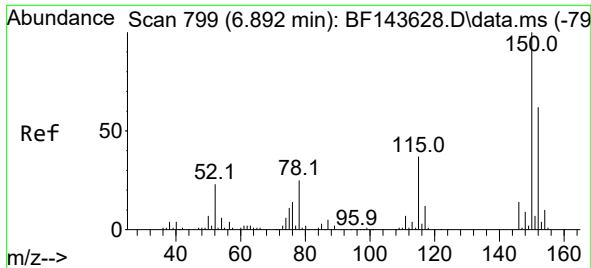
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090525\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	11946	3.882	ng	96
46) 1,1'-Biphenyl	9.345	154	50592	4.063	ng	99
47) 2-Chloronaphthalene	9.369	162	38372	3.938	ng	98
48) 2-Nitroaniline	9.457	65	9152	6.409	ng	98
49) Acenaphthylene	9.780	152	60851	4.333	ng	99
50) Dimethylphthalate	9.633	163	45701	4.122	ng	100
51) 2,6-Dinitrotoluene	9.698	165	8503	7.674	ng	96
52) Acenaphthene	9.957	154	38163	4.063	ng	97
53) 3-Nitroaniline	9.863	138	9217	6.885	ng	93
54) 2,4-Dinitrophenol	9.969	184	1823	9.037	ng	# 60
55) Dibenzofuran	10.128	168	54591	4.000	ng	99
56) 4-Nitrophenol	10.004	139	6091	3.706	ng	99
57) 2,4-Dinitrotoluene	10.098	165	9820	7.176	ng	96
58) Fluorene	10.469	166	44306	4.197	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	10976	4.696	ng	# 95
60) Diethylphthalate	10.339	149	43185	4.103	ng	98
61) 4-Chlorophenyl-phenylether	10.463	204	23091	4.384	ng	95
62) 4-Nitroaniline	10.469	138	8369	6.427	ng	96
63) Azobenzene	10.622	77	38655	3.897	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	3335	10.722	ng	97
66) n-Nitrosodiphenylamine	10.580	169	37143	3.890	ng	96
67) 4-Bromophenyl-phenylether	10.951	248	13227	3.856	ng	96
68) Hexachlorobenzene	11.016	284	14017	3.890	ng	99
69) Atrazine	11.098	200	10917	3.825	ng	97
70) Pentachlorophenol	11.204	266	6413	3.168	ng	95
71) Phenanthrene	11.433	178	66035	4.129	ng	99
72) Anthracene	11.480	178	64969	4.050	ng	99
73) Carbazole	11.633	167	55969	4.139	ng	99
74) Di-n-butylphthalate	11.969	149	63430	4.178	ng	99
75) Fluoranthene	12.616	202	62393	4.247	ng	98
77) Benzidine	12.739	184	22587	4.838	ng	96
78) Pyrene	12.845	202	64249	3.815	ng	99
80) Butylbenzylphthalate	13.468	149	16847	6.223	ng	97
81) Benzo(a)anthracene	14.033	228	50469	3.818	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	12924	3.587	ng	95
83) Chrysene	14.068	228	46536	3.916	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	22196	5.667	ng	97
85) Di-n-octyl phthalate	14.639	149	30793	2.543	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	42956	3.629	ng	100
88) Benzo(b)fluoranthene	15.080	252	38787	3.791	ng	98
89) Benzo(k)fluoranthene	15.110	252	33555	3.792	ng	98
90) Benzo(a)pyrene	15.451	252	33557	3.816	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	34478	3.541	ng	100
92) Benzo(g,h,i)perylene	17.439	276	33878	3.612	ng	99

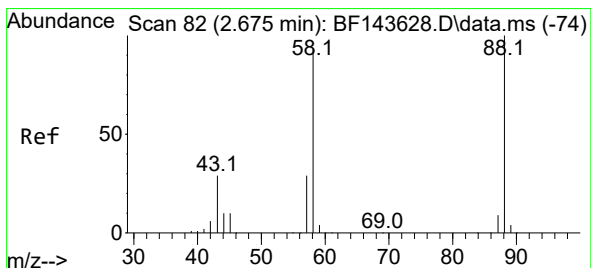
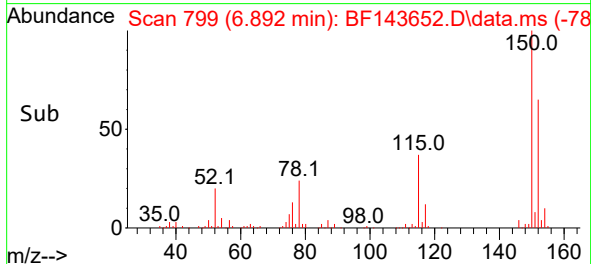
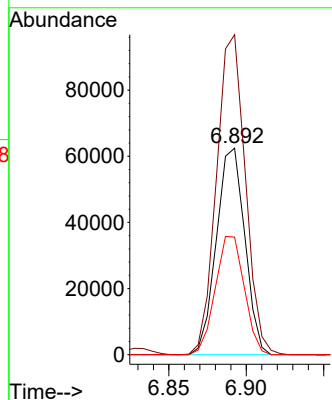
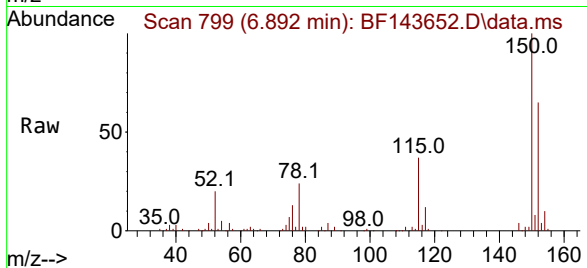
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143652.D
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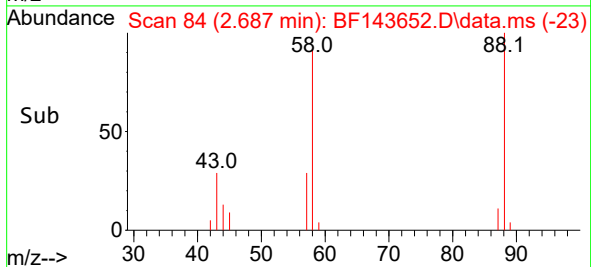
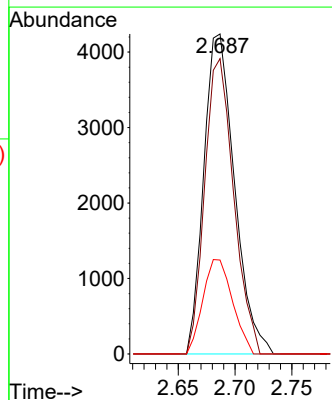
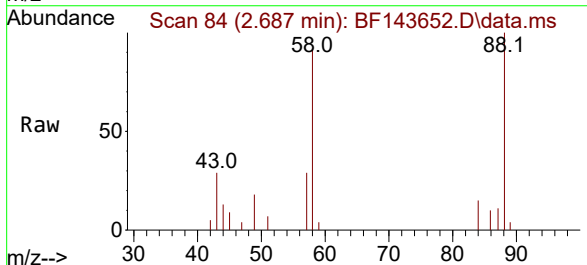
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2025

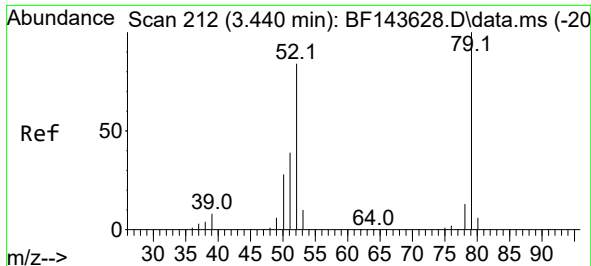
Tgt Ion:152 Resp: 79784
Ion Ratio Lower Upper
152 100
150 154.9 128.4 192.6
115 56.9 47.9 71.9



#2
1,4-Dioxane
Concen: 3.756 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 88 Resp: 7981
Ion Ratio Lower Upper
88 100
58 86.9 73.9 110.9
43 28.4 23.4 35.2

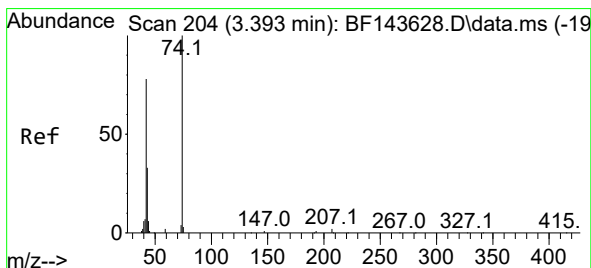
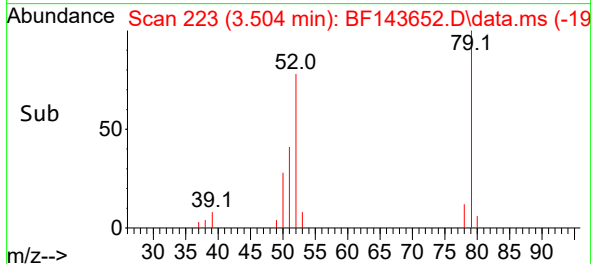
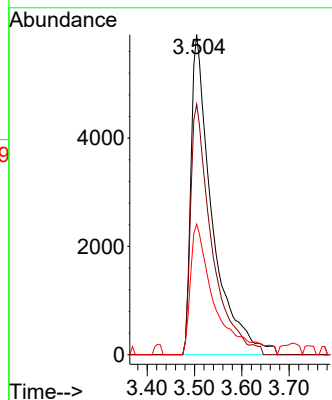
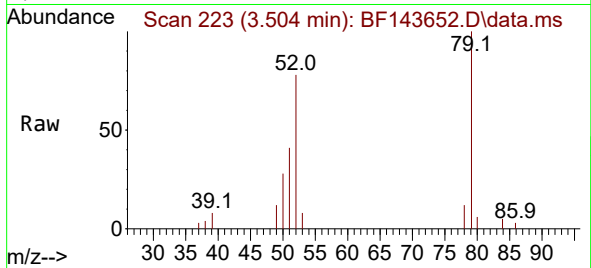




#3
Pyridine
Concen: 3.262 ng
RT: 3.504 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

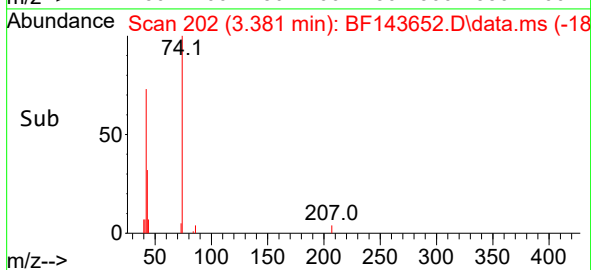
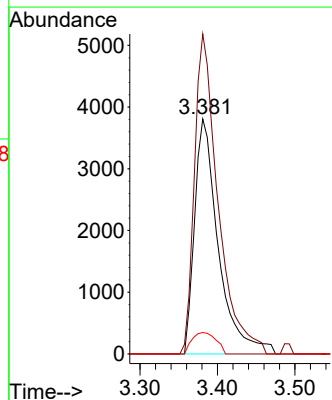
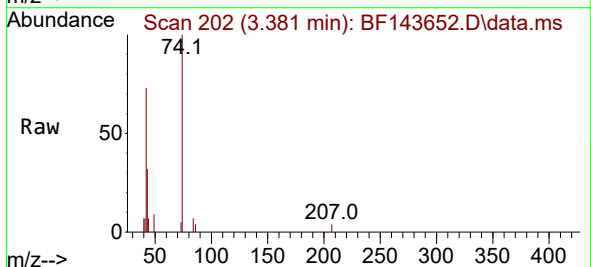
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ClientSampleId :
MDL-SOIL-03-QT3-2025

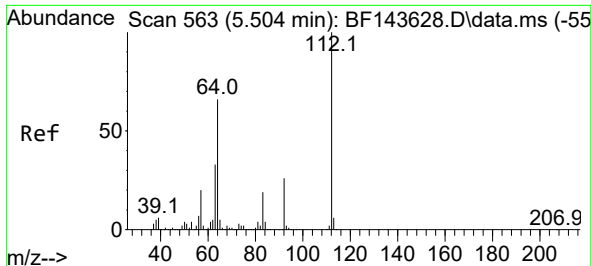
Tgt Ion: 79 Resp: 18364
Ion Ratio Lower Upper
79 100
52 78.3 67.4 101.2
51 40.8 31.0 46.6



#4
n-Nitrosodimethylamine
Concen: 3.472 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 42 Resp: 8118
Ion Ratio Lower Upper
42 100
74 136.1 102.9 154.3
44 9.1 6.5 9.7

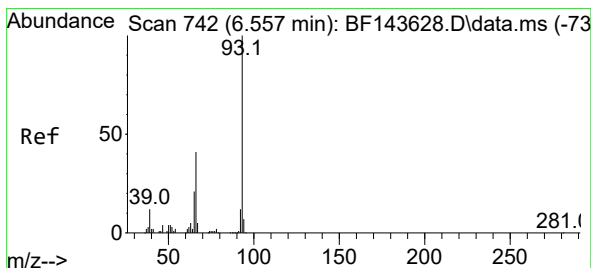
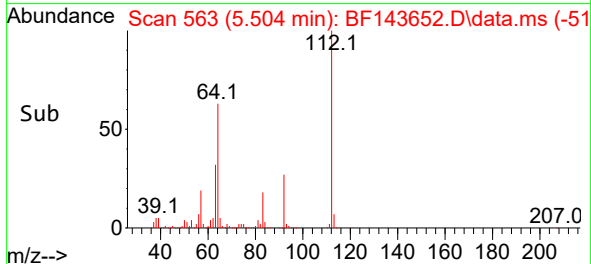
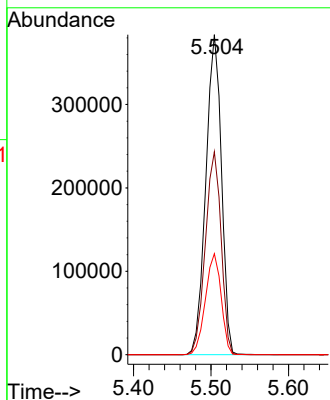
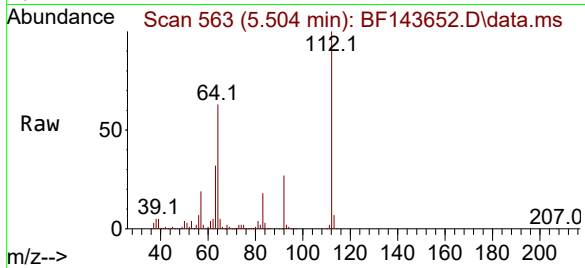




#5
2-Fluorophenol
Concen: 119.233 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

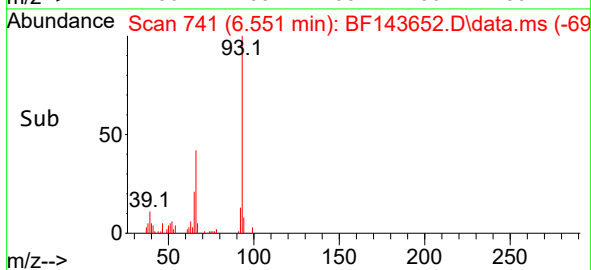
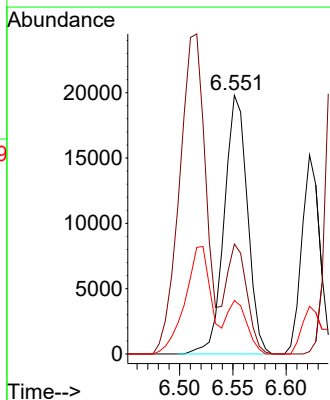
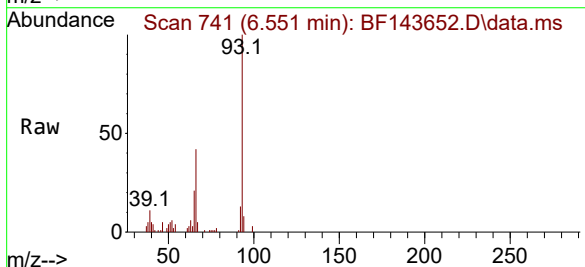
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT3-2025

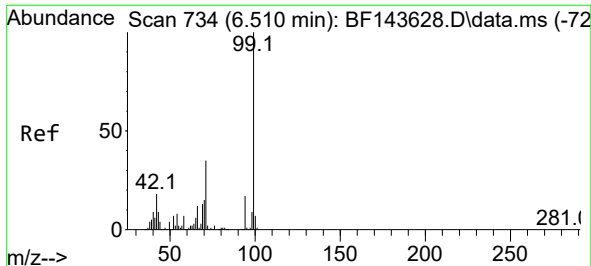
Tgt Ion:112 Resp: 536976
Ion Ratio Lower Upper
112 100
64 63.4 52.7 79.1
63 31.5 26.5 39.7



#6
Aniline
Concen: 3.855 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 93 Resp: 29994
Ion Ratio Lower Upper
93 100
66 42.5 34.6 51.8
65 20.7 16.9 25.3





#7

Phenol-d6

Concen: 120.861 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

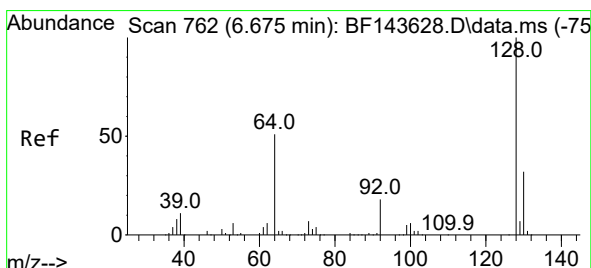
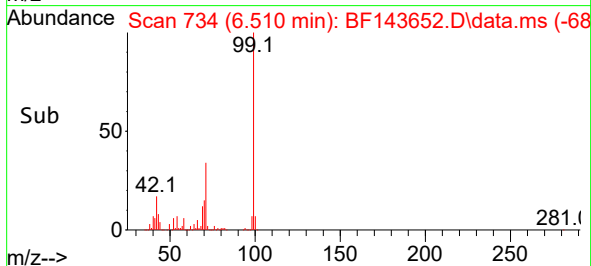
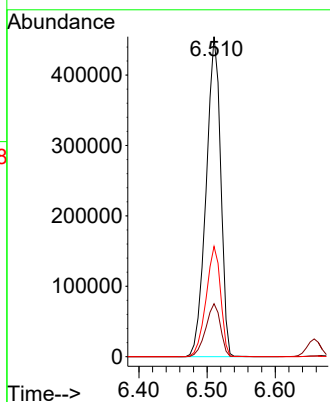
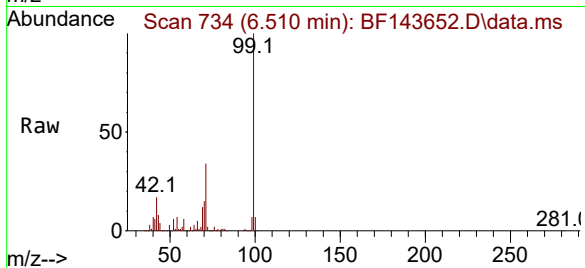
Tgt Ion: 99 Resp: 675569

Ion Ratio Lower Upper

99 100

42 16.6 14.6 22.0

71 34.4 28.0 42.0



#8

2-Chlorophenol

Concen: 3.980 ng

RT: 6.675 min Scan# 762

Delta R.T. -0.000 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

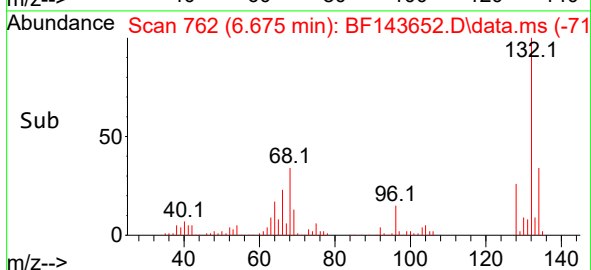
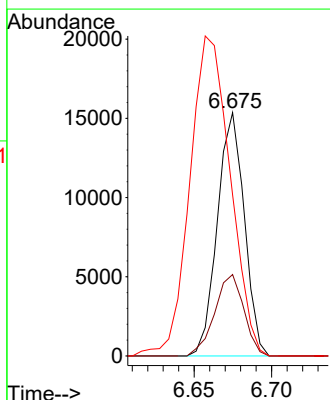
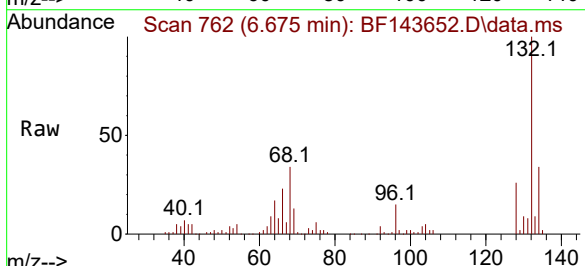
Tgt Ion:128 Resp: 18564

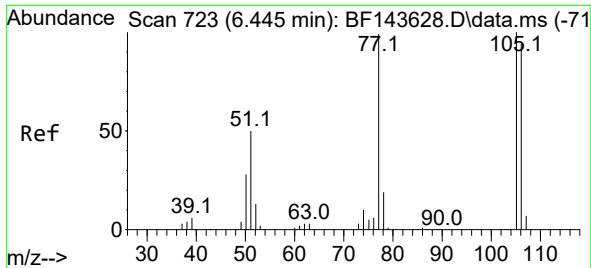
Ion Ratio Lower Upper

128 100

130 33.5 12.3 52.3

64 66.2 32.9 72.9

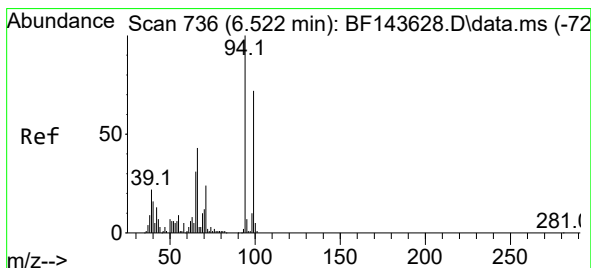
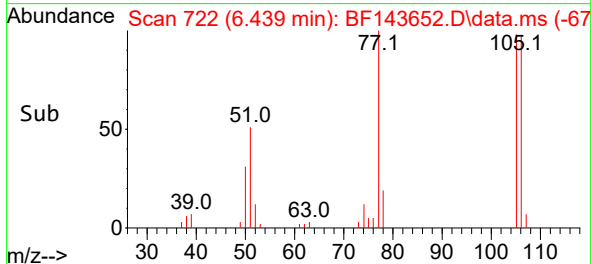
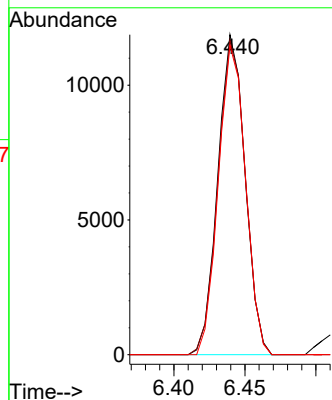
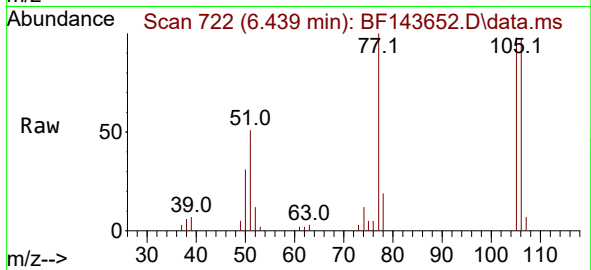




#9
Benzaldehyde
Concen: 3.803 ng
RT: 6.439 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

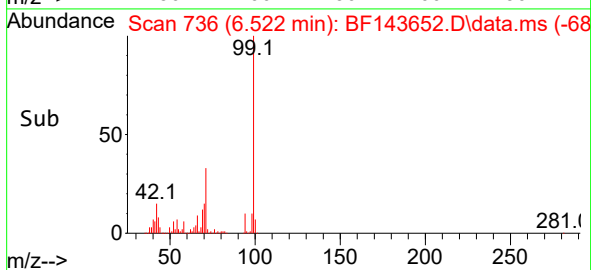
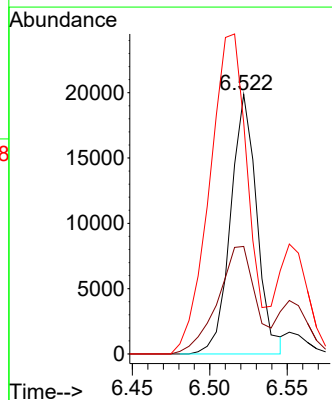
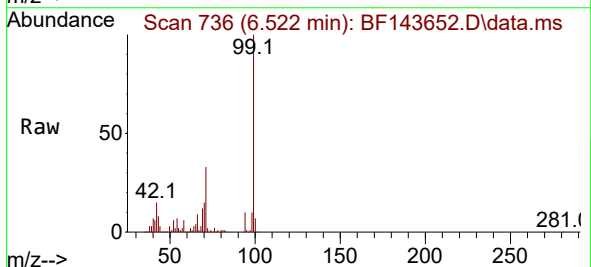
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ClientSampleId :
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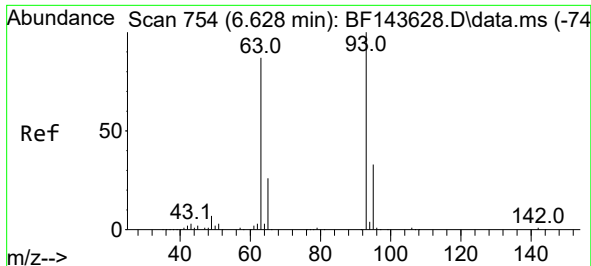
Tgt Ion: 77 Resp: 15795
Ion Ratio Lower Upper
77 100
105 98.2 80.9 120.9
106 96.7 75.1 115.1



#10
Phenol
Concen: 3.810 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 94 Resp: 23346
Ion Ratio Lower Upper
94 100
65 41.4 11.4 51.4
66 89.1 23.7 63.7#

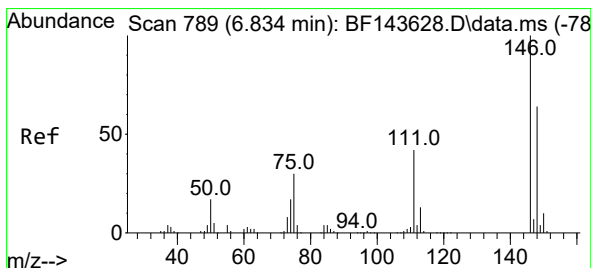
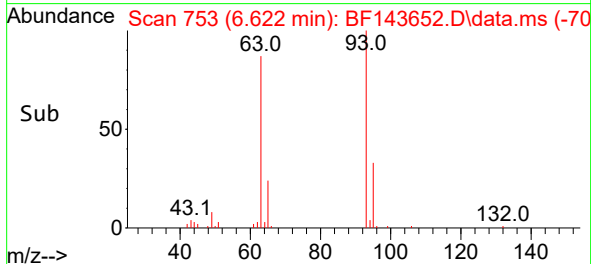
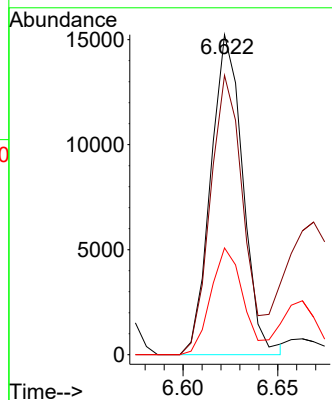
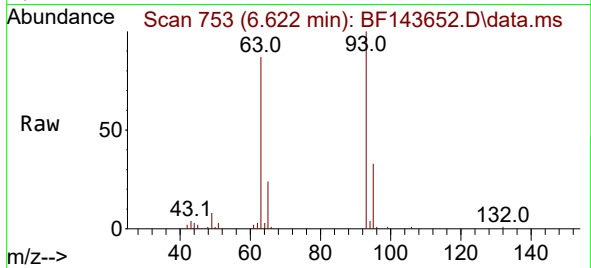




#11
bis(2-Chloroethyl)ether
Concen: 3.750 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

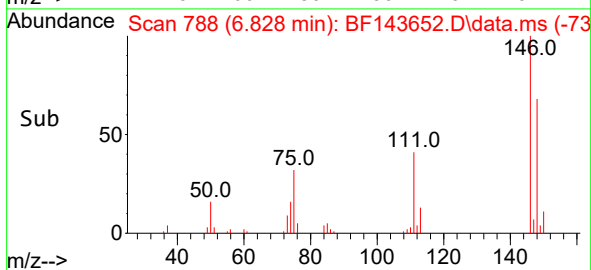
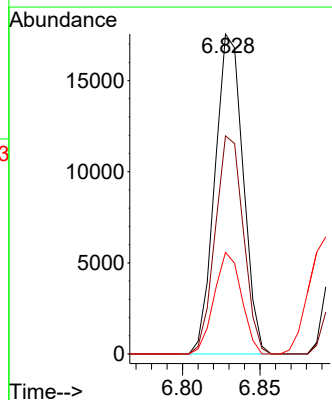
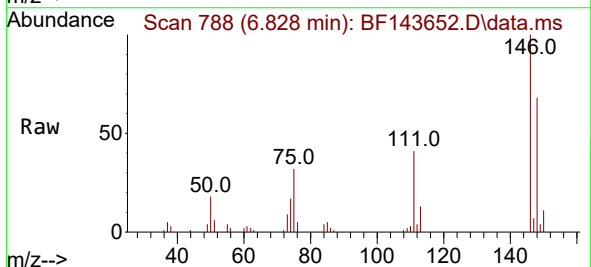
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

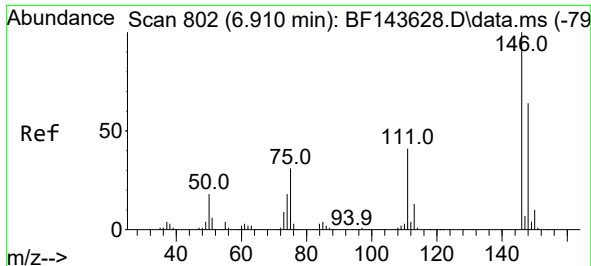
Tgt Ion: 93 Resp: 17997
Ion Ratio Lower Upper
93 100
63 87.3 66.5 106.5
95 33.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 3.858 ng
RT: 6.828 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:146 Resp: 22209
Ion Ratio Lower Upper
146 100
148 68.1 50.9 76.3
75 31.7 24.2 36.2

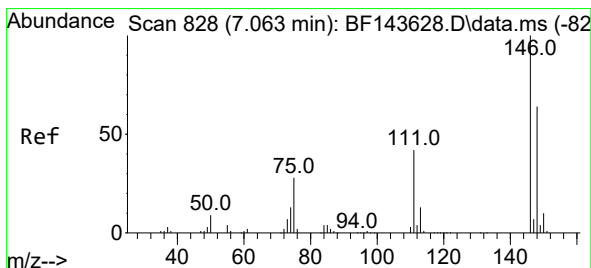
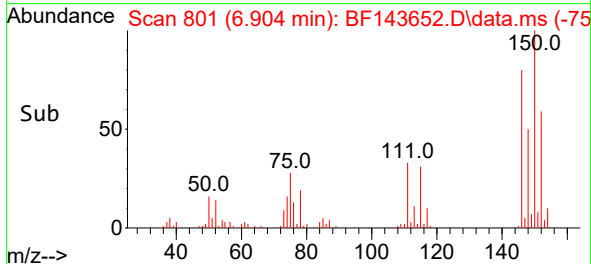
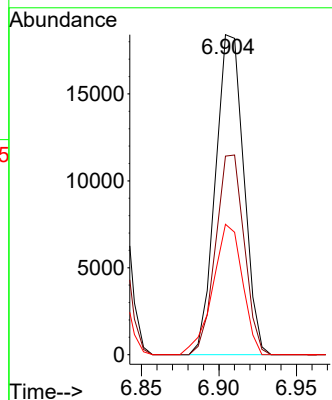
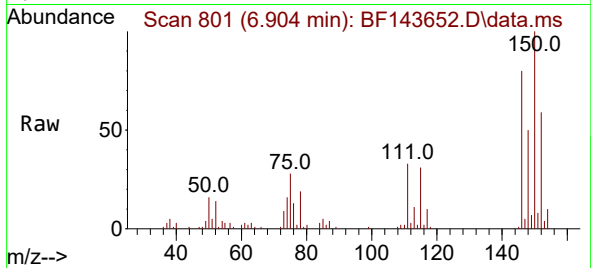




#13
1,4-Dichlorobenzene
Concen: 4.050 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

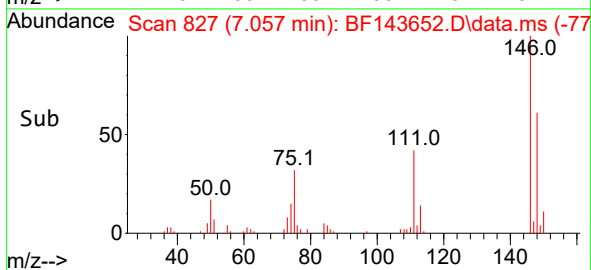
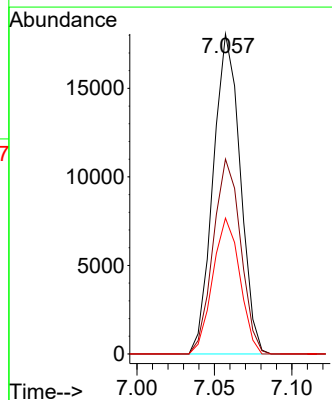
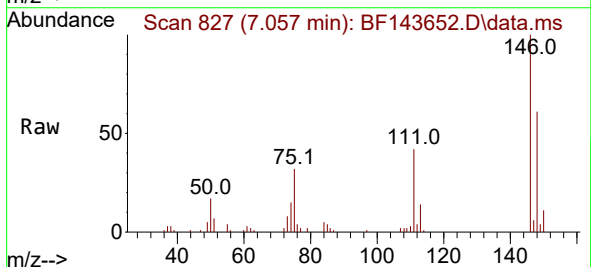
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

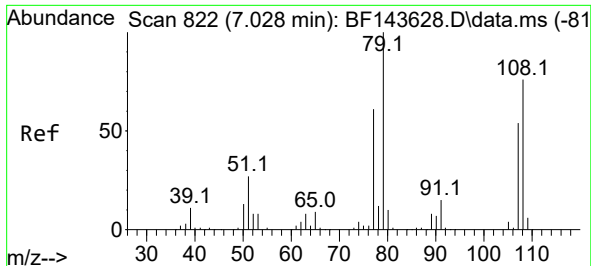
Tgt Ion:146 Resp: 23383
Ion Ratio Lower Upper
146 100
148 62.0 51.4 77.2
111 40.8 33.1 49.7



#14
1,2-Dichlorobenzene
Concen: 4.020 ng
RT: 7.057 min Scan# 827
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:146 Resp: 21962
Ion Ratio Lower Upper
146 100
148 60.9 51.2 76.8
111 42.5 33.9 50.9





#15

Benzyl Alcohol

Concen: 3.667 ng

RT: 7.022 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

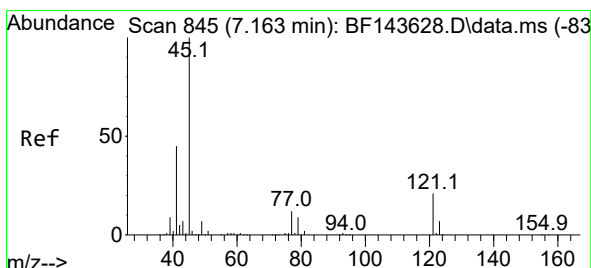
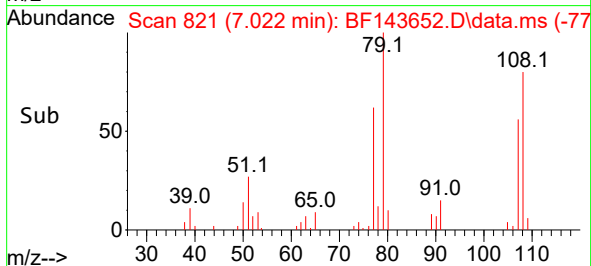
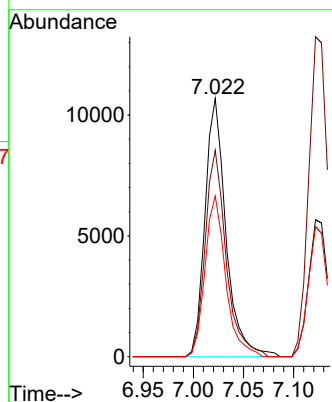
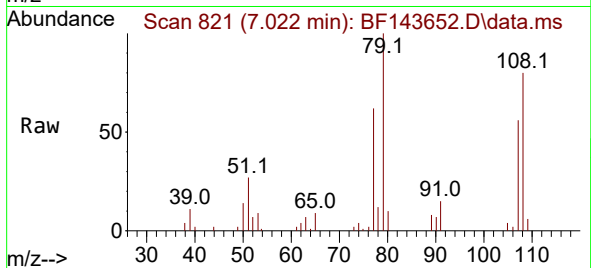
Tgt Ion: 79 Resp: 15577

Ion Ratio Lower Upper

79 100

108 79.9 60.9 91.3

77 62.2 48.4 72.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.437 ng

RT: 7.163 min Scan# 845

Delta R.T. -0.000 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

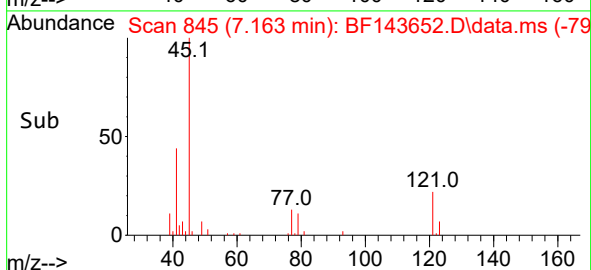
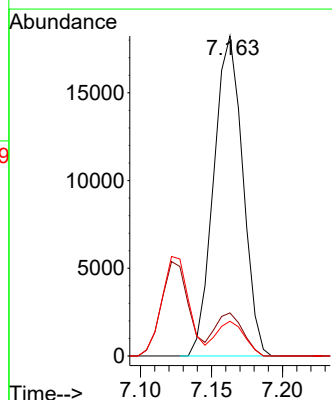
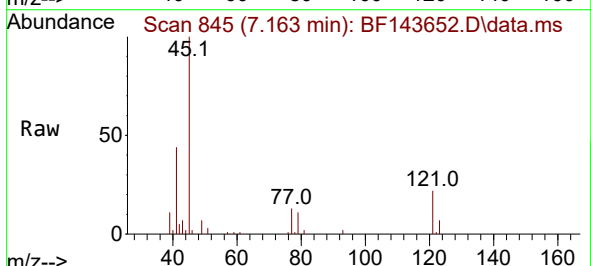
Tgt Ion: 45 Resp: 25962

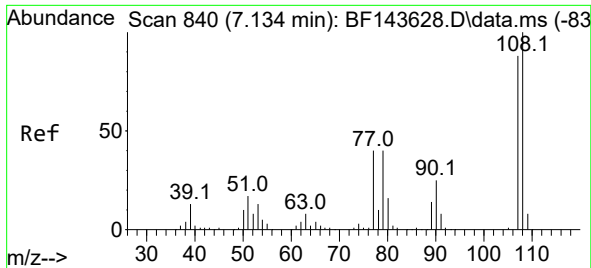
Ion Ratio Lower Upper

45 100

77 13.4 0.0 33.5

79 10.9 0.0 29.8

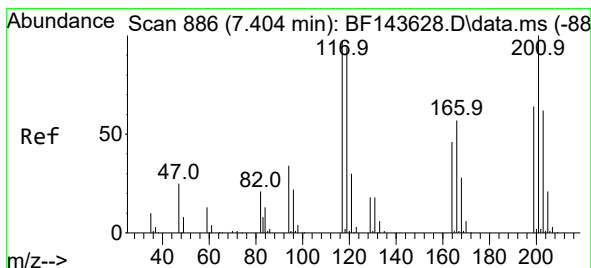
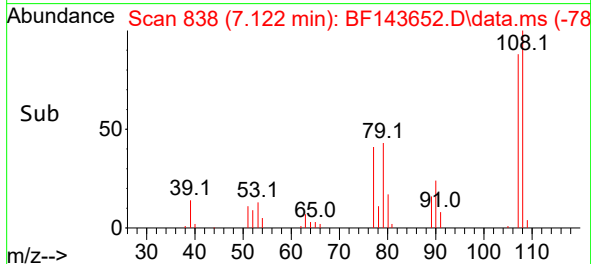
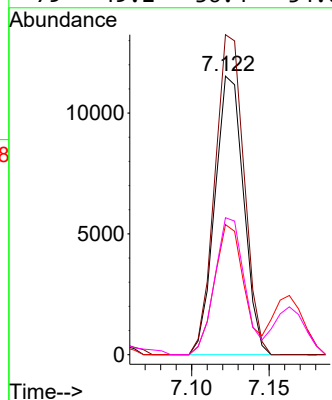
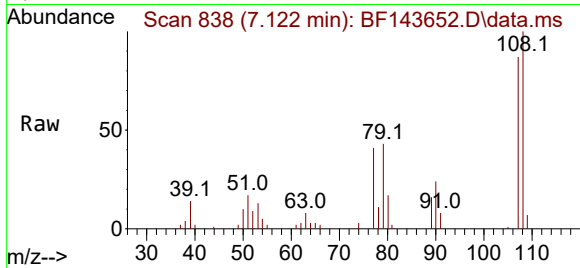




#17
2-Methylphenol
Concen: 3.657 ng
RT: 7.122 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

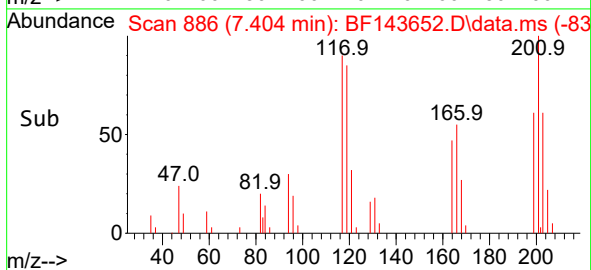
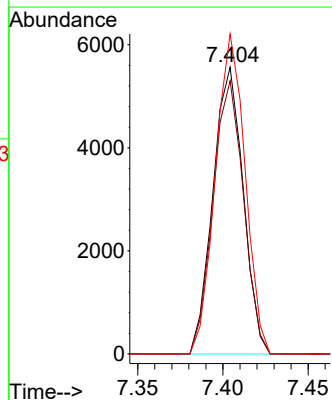
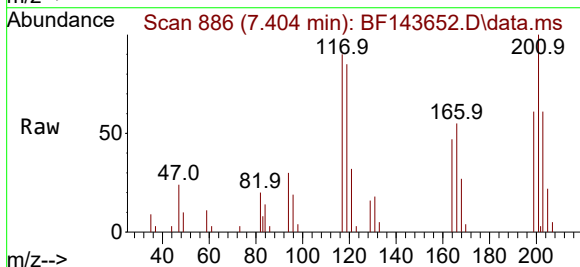
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

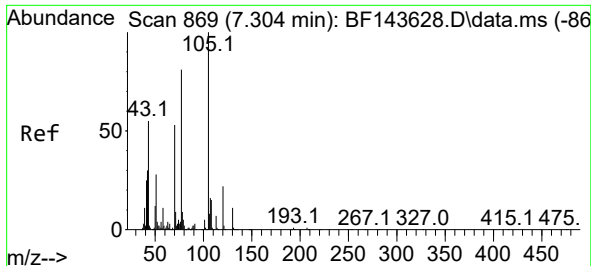
Tgt Ion:	107	Resp:	14911
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.5	135.7
77	46.7	35.9	53.9
79	49.2	36.4	54.6



#18
Hexachloroethane
Concen: 3.812 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:	117	Resp:	6866
Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.7	116.5
201	111.6	82.7	124.1





#19

n-Nitroso-di-n-propylamine

Concen: 3.910 ng

RT: 7.292 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion: 70 Resp: 13918

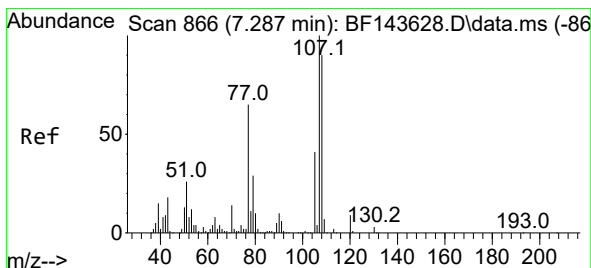
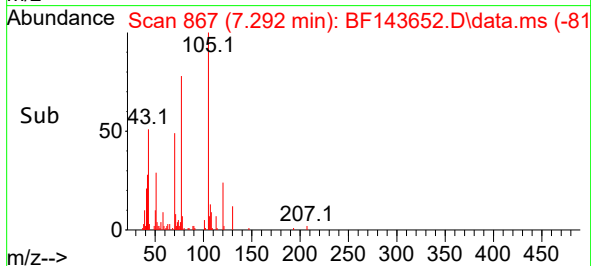
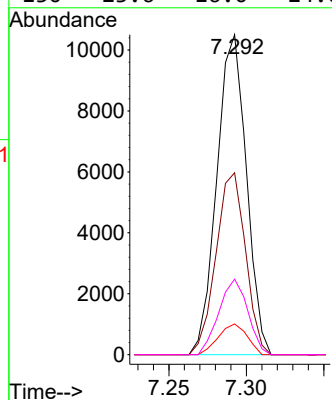
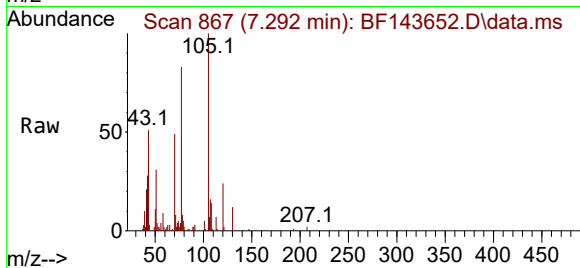
Ion Ratio Lower Upper

70 100

42 56.9 45.2 67.8

101 9.6 7.6 11.4

130 23.6 16.0 24.0



#20

3+4-Methylphenols

Concen: 3.898 ng

RT: 7.281 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Tgt Ion: 107 Resp: 20009

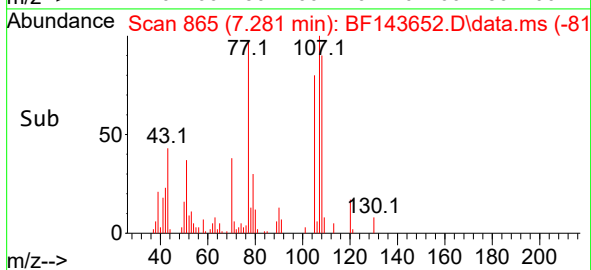
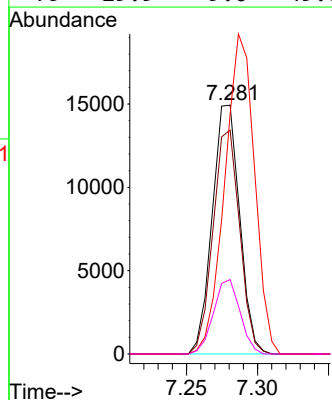
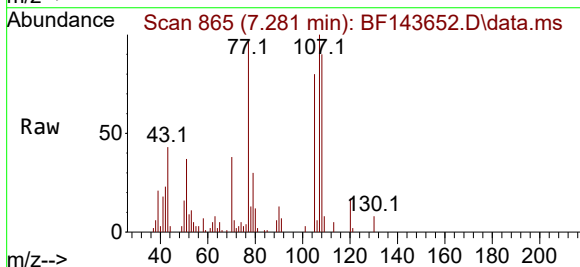
Ion Ratio Lower Upper

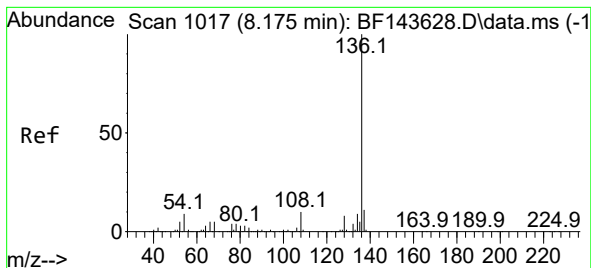
107 100

108 89.9 69.6 109.6

77 96.5 45.5 85.5#

79 29.9 9.0 49.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:136 Resp: 299297

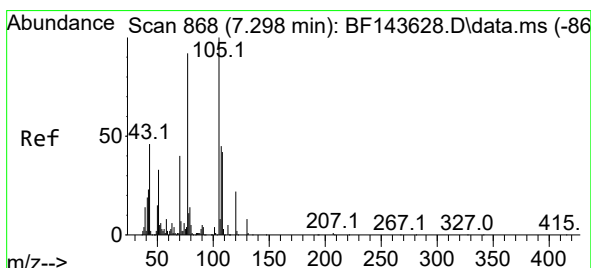
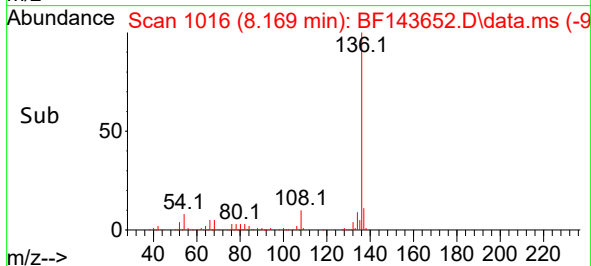
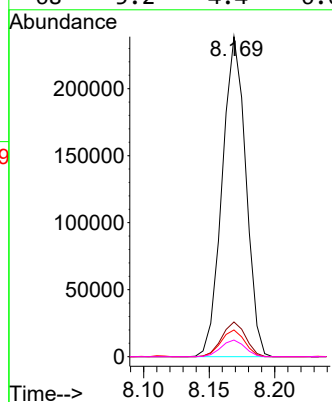
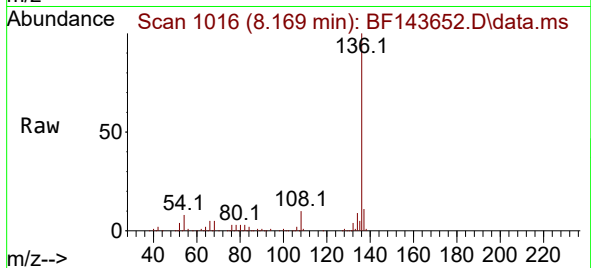
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 8.4 7.3 10.9

68 5.2 4.4 6.6



#22

Acetophenone

Concen: 4.069 ng

RT: 7.292 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Tgt Ion:105 Resp: 27542

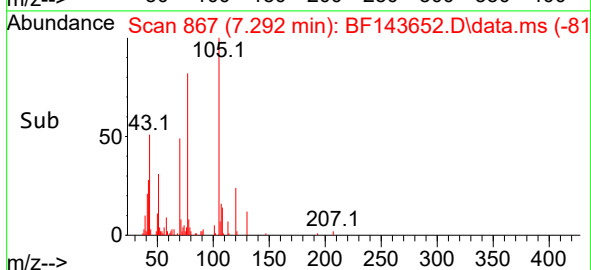
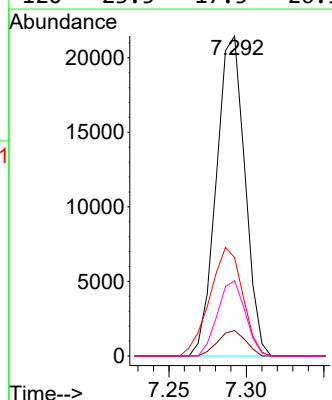
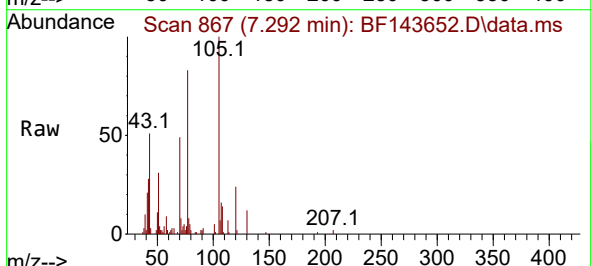
Ion Ratio Lower Upper

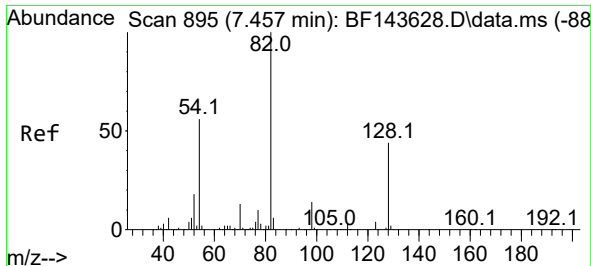
105 100

71 7.9 5.3 7.9#

51 30.8 26.7 40.1

120 23.5 17.5 26.3





#23

Nitrobenzene-d5

Concen: 99.989 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

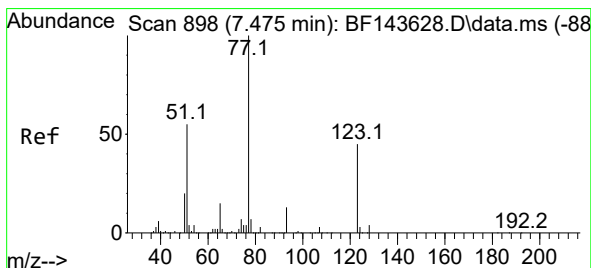
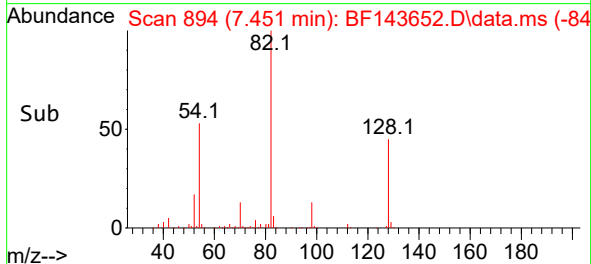
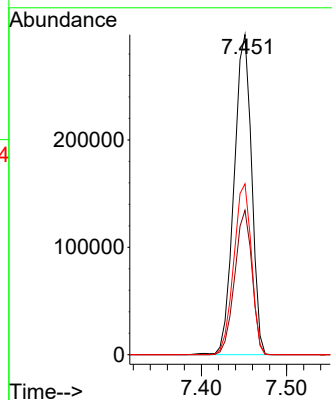
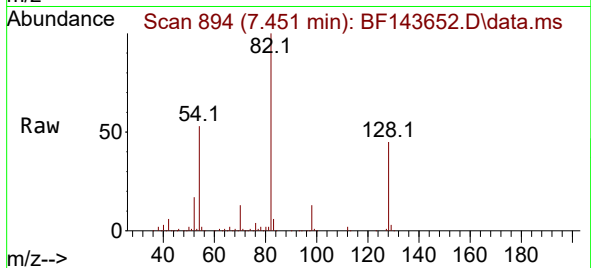
Tgt Ion: 82 Resp: 425796

Ion Ratio Lower Upper

82 100

128 45.1 34.7 52.1

54 53.4 44.8 67.2



#24

Nitrobenzene

Concen: 4.598 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

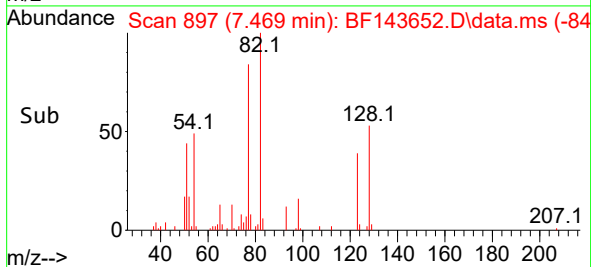
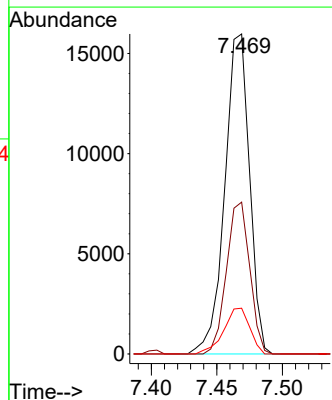
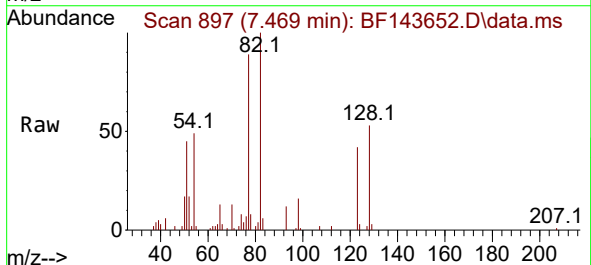
Tgt Ion: 77 Resp: 20934

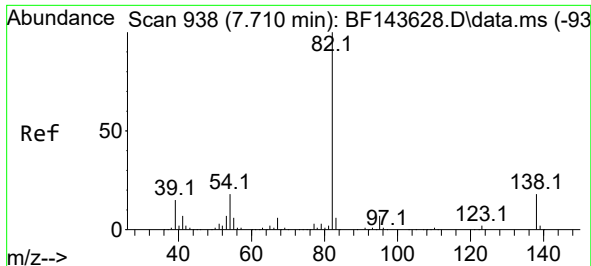
Ion Ratio Lower Upper

77 100

123 47.4 36.2 54.4

65 14.3 11.8 17.8

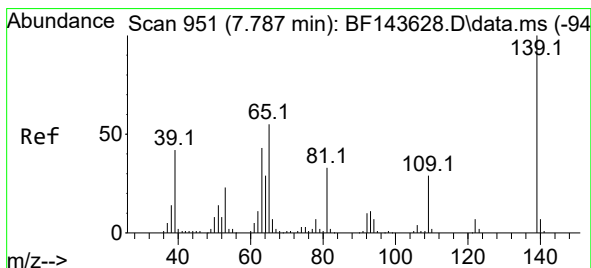
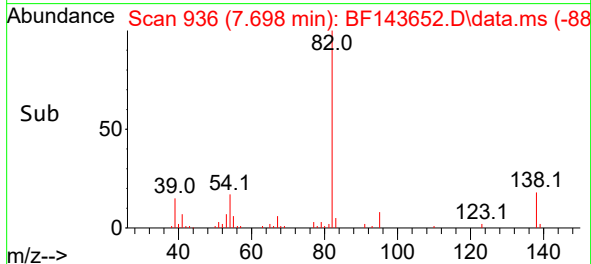
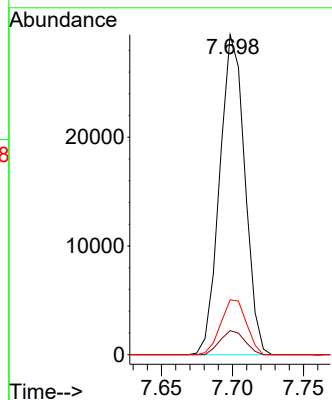
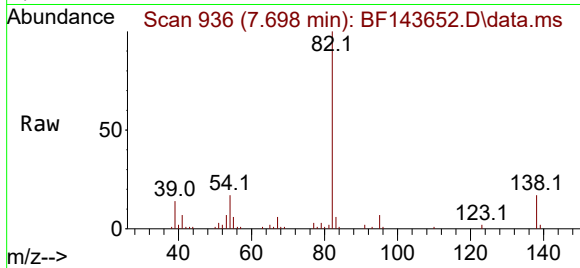




#25
Isophorone
Concen: 3.778 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

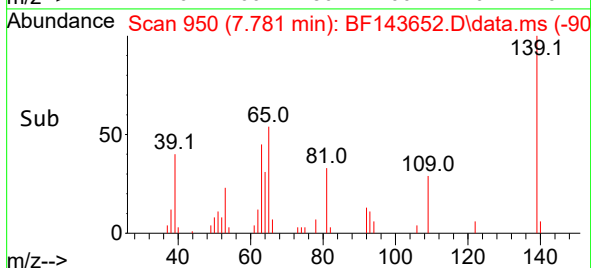
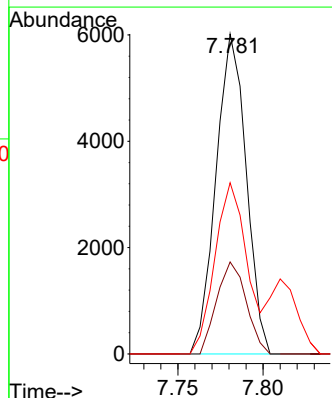
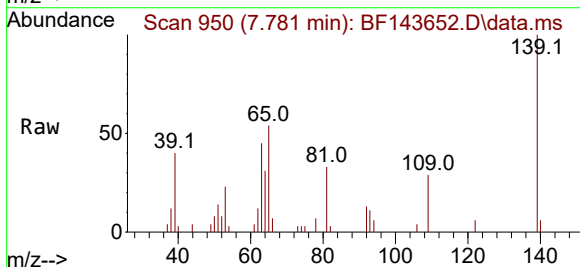
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

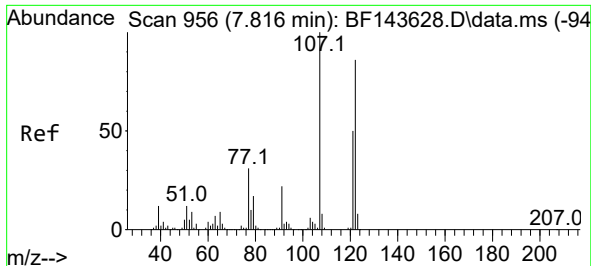
Tgt Ion: 82 Resp: 36251
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.8
138 17.1 14.2 21.2



#26
2-Nitrophenol
Concen: 7.408 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 139 Resp: 7415
Ion Ratio Lower Upper
139 100
109 28.8 23.5 35.3
65 53.5 44.1 66.1





#27

2,4-Dimethylphenol

Concen: 4.217 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143652.D

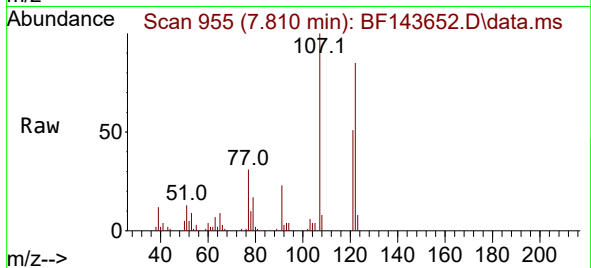
Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025



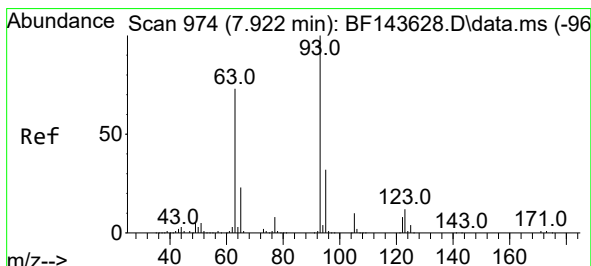
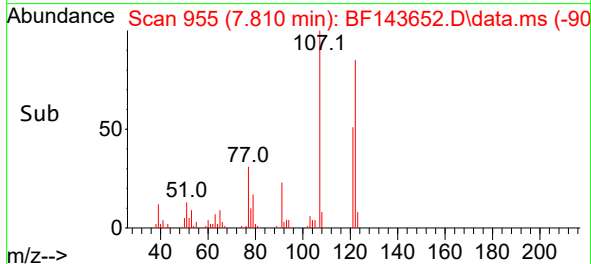
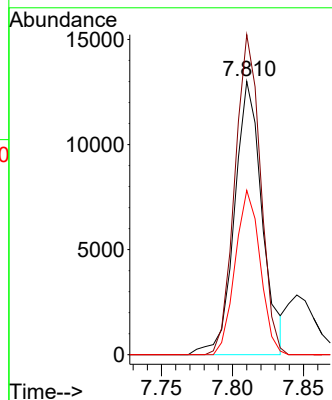
Tgt Ion:122 Resp: 17617

Ion Ratio Lower Upper

122 100

107 117.1 93.4 140.0

121 60.1 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 3.914 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

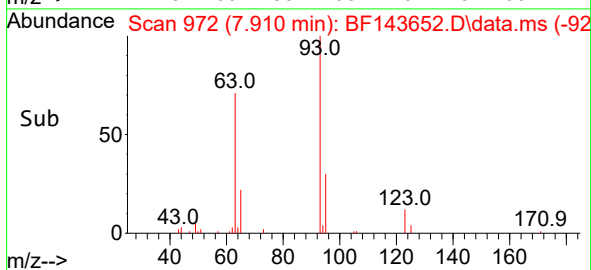
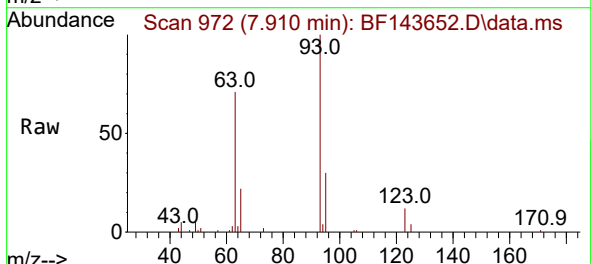
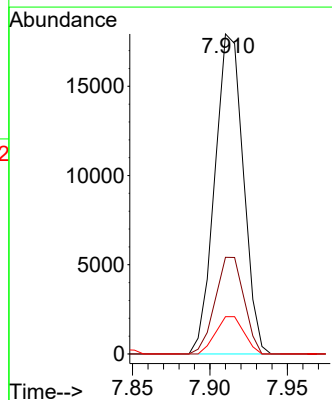
Tgt Ion: 93 Resp: 22962

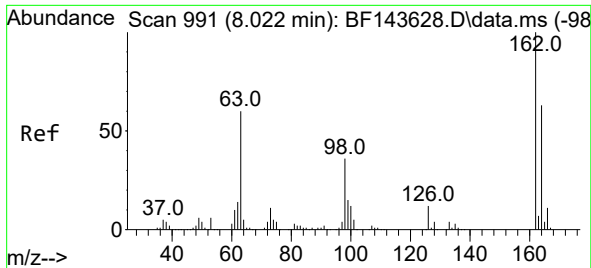
Ion Ratio Lower Upper

93 100

95 30.2 25.8 38.8

123 11.6 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 3.904 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

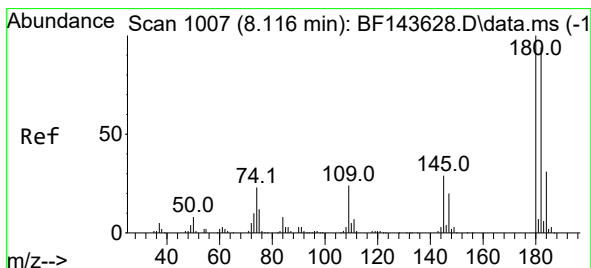
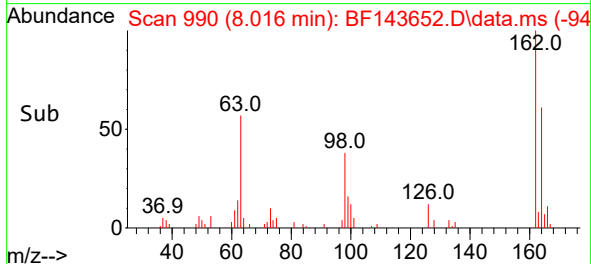
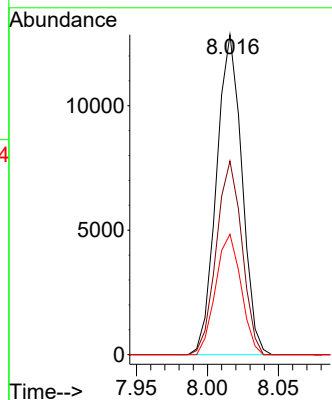
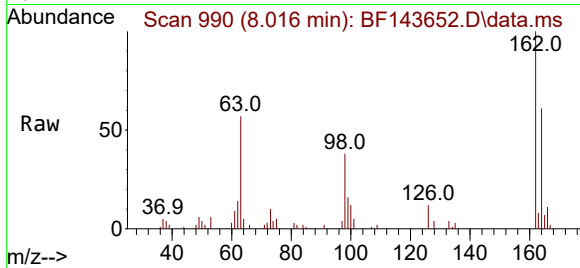
Tgt Ion:162 Resp: 16007

Ion Ratio Lower Upper

162 100

164 60.5 42.9 82.9

98 37.7 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 4.272 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

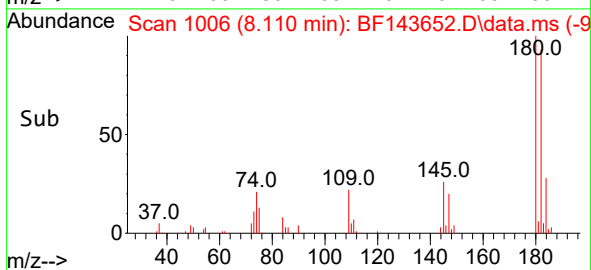
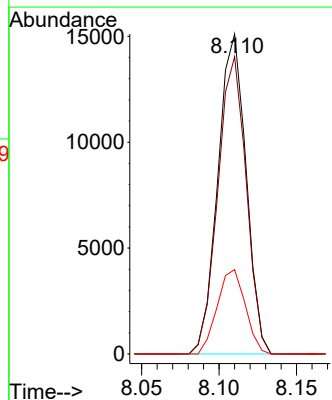
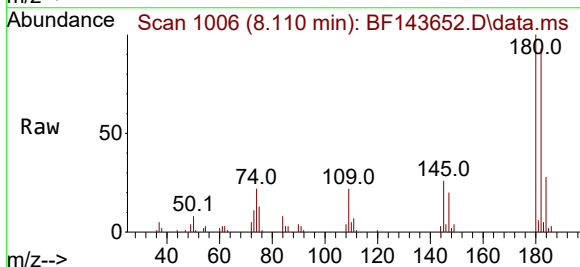
Tgt Ion:180 Resp: 19085

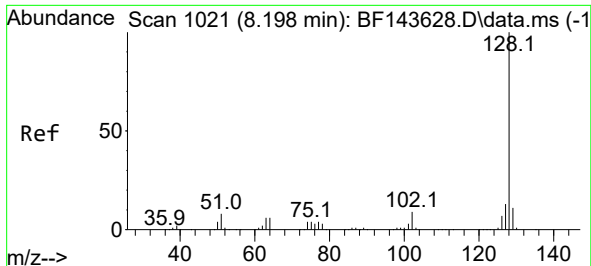
Ion Ratio Lower Upper

180 100

182 92.9 75.2 112.8

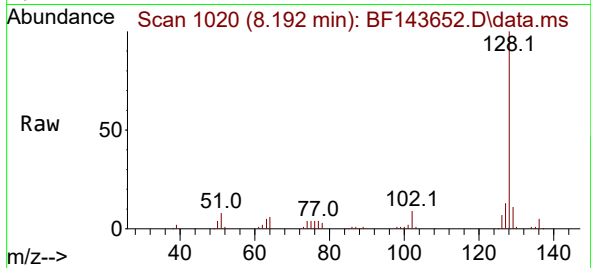
145 26.4 23.6 35.4



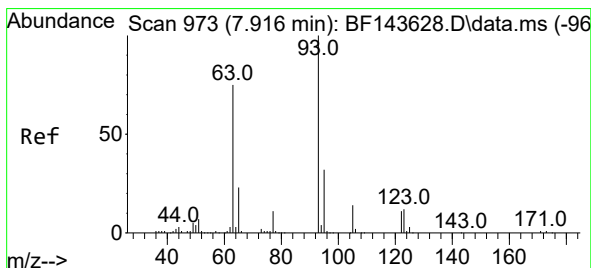
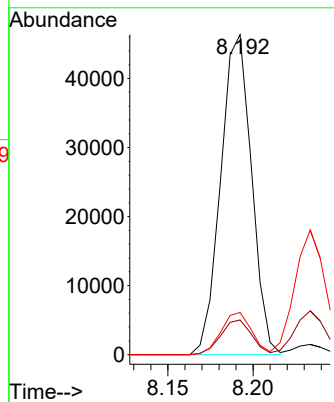
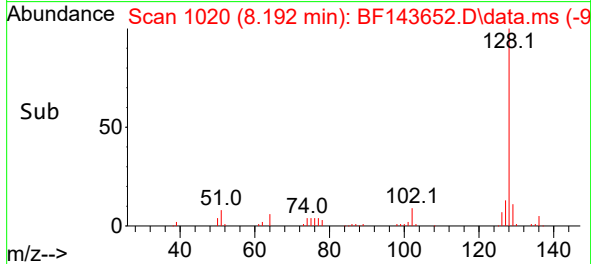


#31
Naphthalene
Concen: 3.992 ng
RT: 8.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

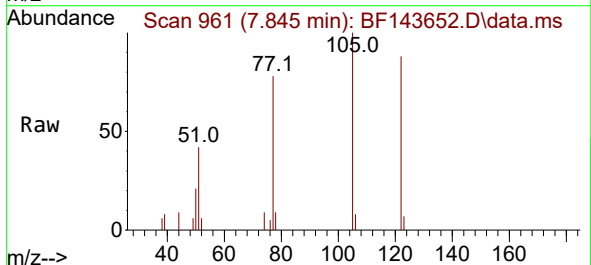
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025



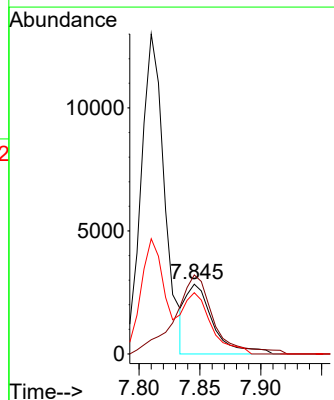
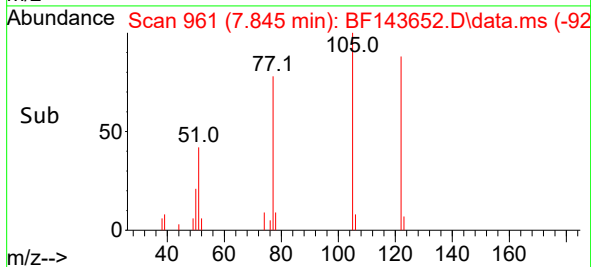
Tgt Ion:128 Resp: 58437
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.2 10.6 16.0

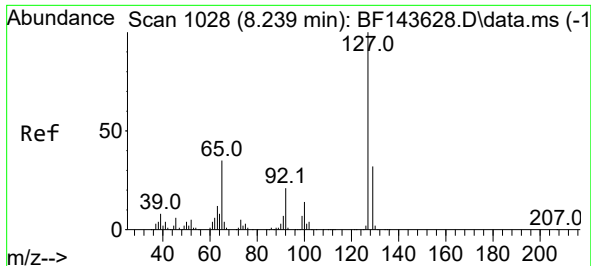


#32
Benzoic acid
Concen: 8.985 ng
RT: 7.845 min Scan# 961
Delta R.T. -0.071 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52



Tgt Ion:122 Resp: 4403
Ion Ratio Lower Upper
122 100
105 113.2 105.9 145.9
77 87.8 78.6 118.6

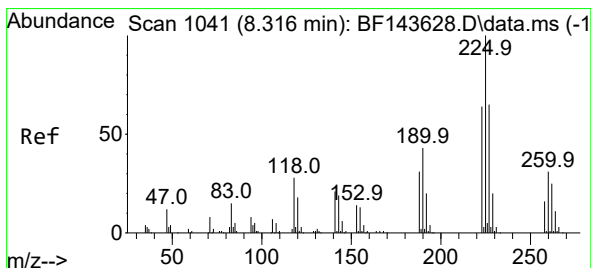
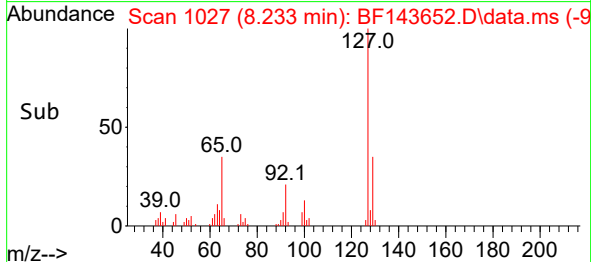
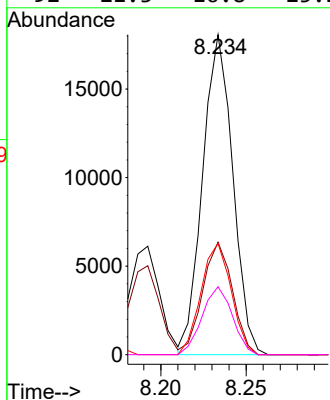
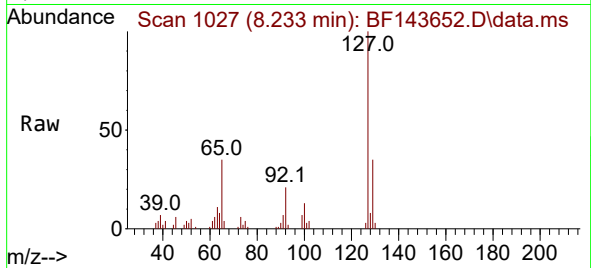




#33
4-Chloroaniline
Concen: 4.396 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

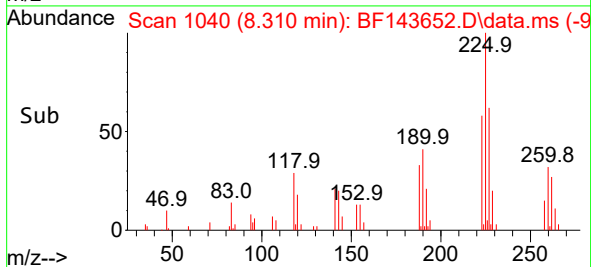
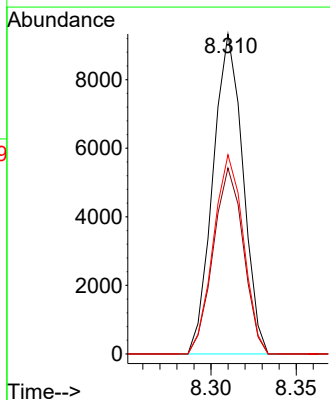
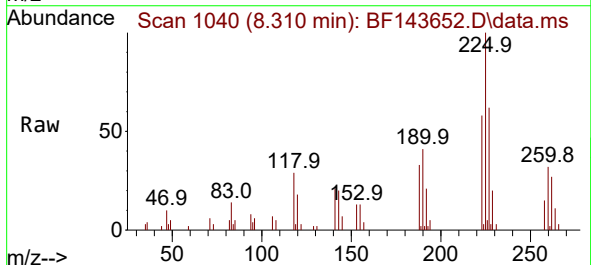
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

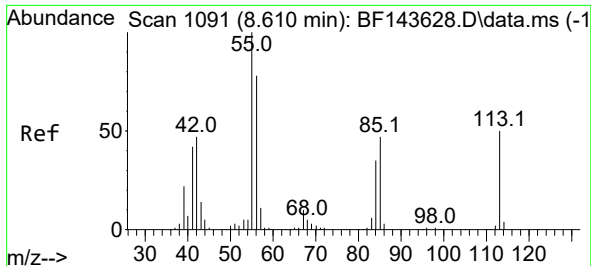
Tgt Ion:127	Resp:	22284
Ion Ratio	Lower	Upper
127	100	
129	35.2	26.2 39.2
65	34.8	27.6 41.4
92	21.3	16.8 25.2



#34
Hexachlorobutadiene
Concen: 3.925 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:225	Resp:	11407
Ion Ratio	Lower	Upper
225	100	
223	58.1	51.3 76.9
227	62.3	51.7 77.5

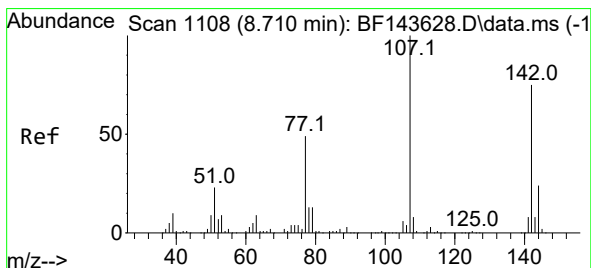
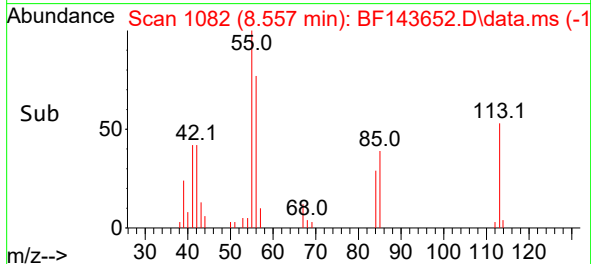
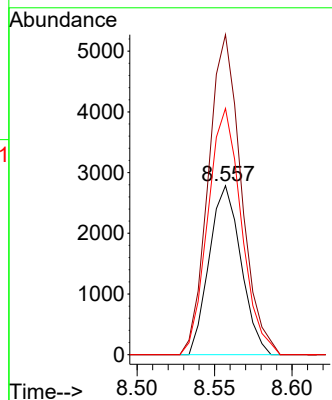
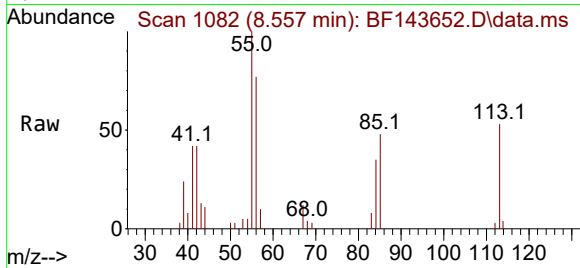




#35
 Caprolactam
 Concen: 3.612 ng
 RT: 8.557 min Scan# 1106
 Delta R.T. -0.053 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

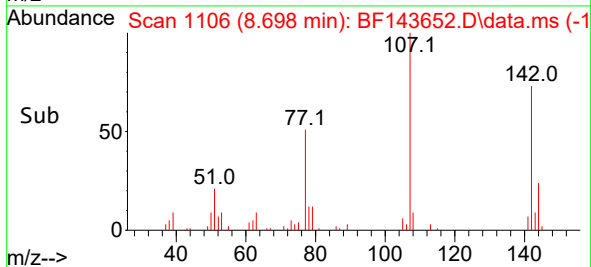
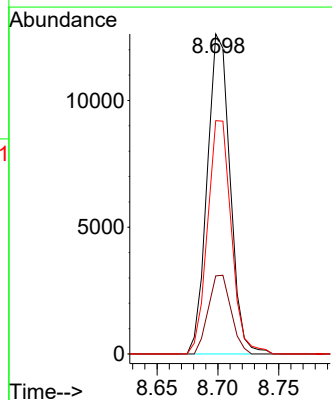
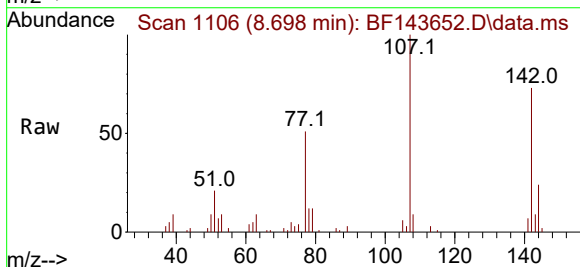
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

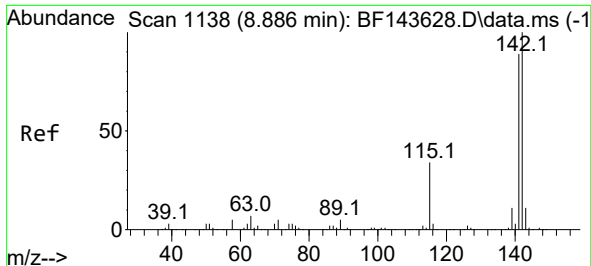
Tgt Ion:113 Resp: 3968
 Ion Ratio Lower Upper
 113 100
 55 189.3 180.5 220.5
 56 145.6 134.8 174.8



#36
 4-Chloro-3-methylphenol
 Concen: 3.856 ng
 RT: 8.698 min Scan# 1106
 Delta R.T. -0.012 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

Tgt Ion:107 Resp: 16554
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.0 28.6
 142 72.9 60.3 90.5

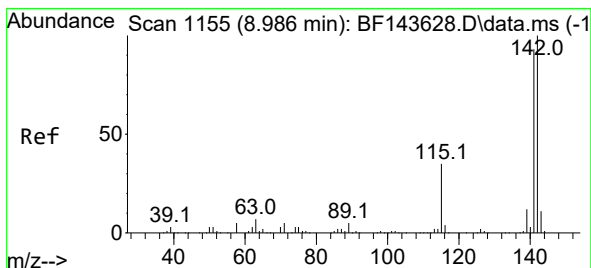
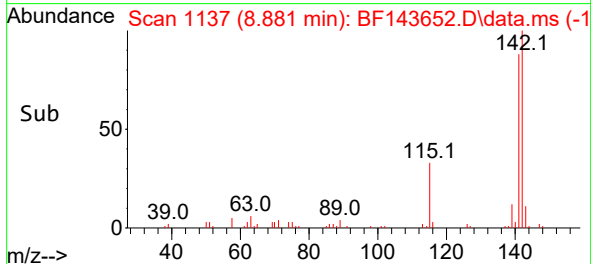
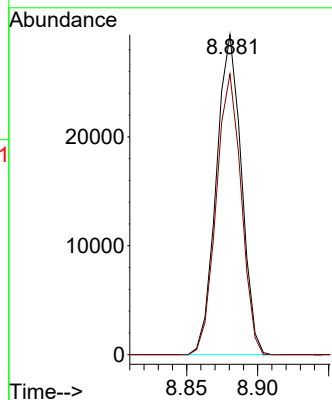
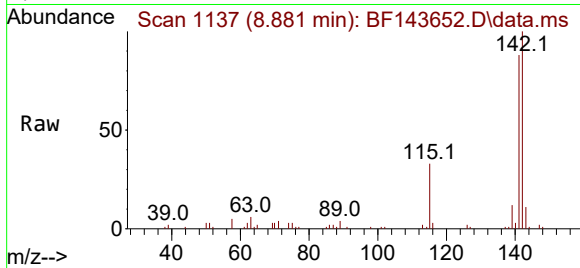




#37
2-Methylnaphthalene
Concen: 3.637 ng
RT: 8.881 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

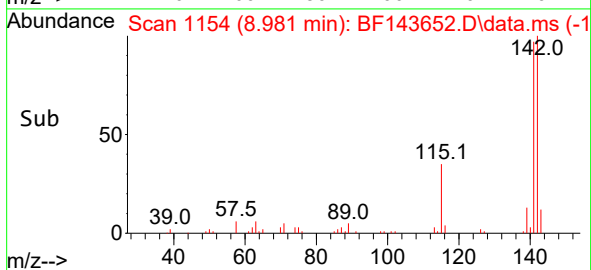
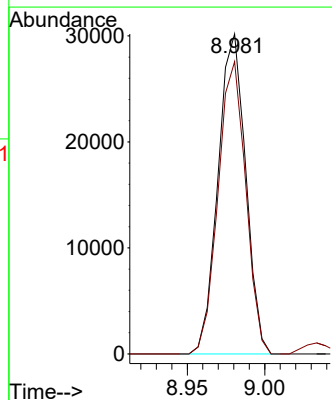
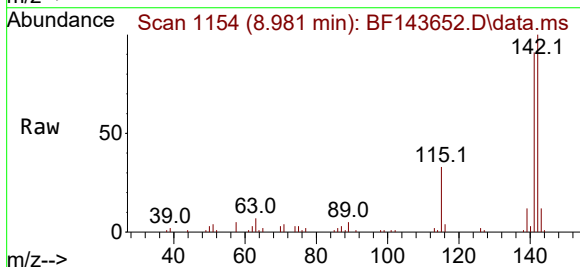
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

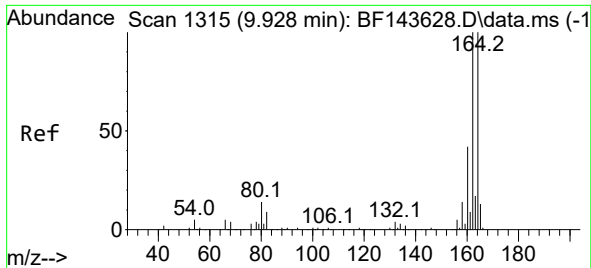
Tgt Ion:142 Resp: 36018
Ion Ratio Lower Upper
142 100
141 87.7 70.8 106.2



#38
1-Methylnaphthalene
Concen: 3.955 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:142 Resp: 37445
Ion Ratio Lower Upper
142 100
141 91.4 74.5 111.7

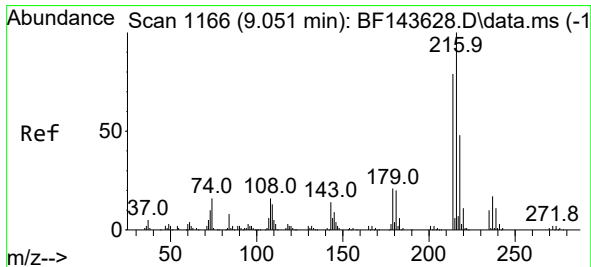
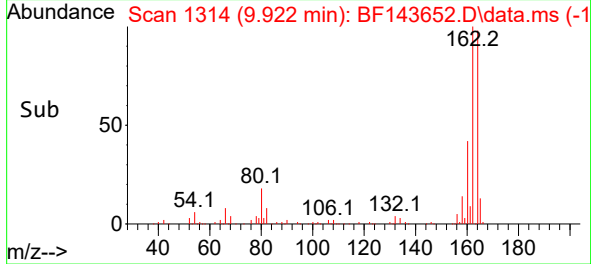
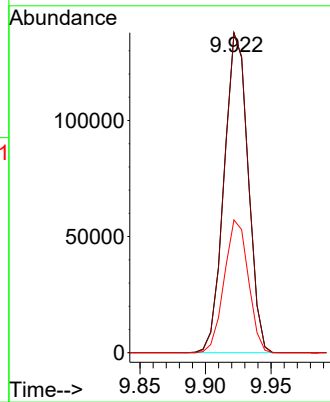
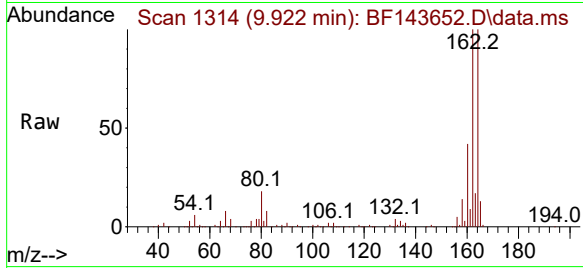




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

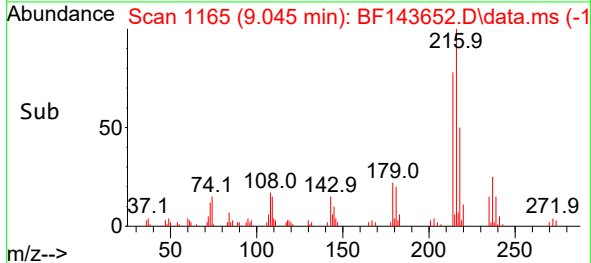
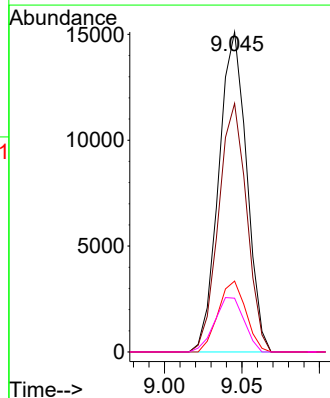
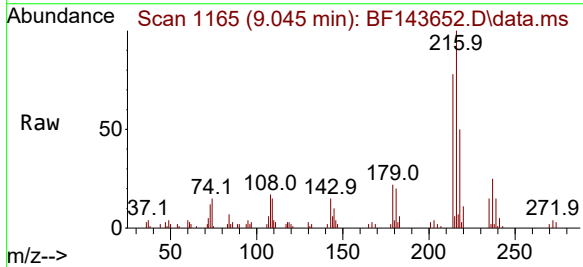
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

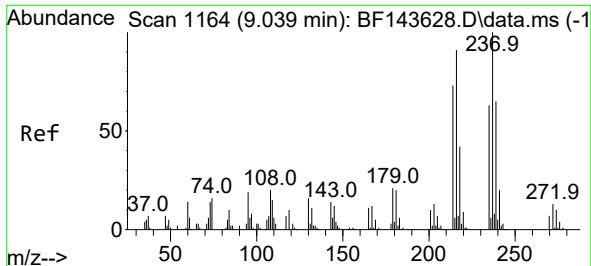
Tgt Ion:164 Resp: 175072
Ion Ratio Lower Upper
164 100
162 99.8 80.3 120.5
160 41.5 34.0 51.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.911 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:216 Resp: 18925
Ion Ratio Lower Upper
216 100
214 78.1 63.3 94.9
179 21.9 17.2 25.8
108 17.9 14.0 21.0





#41

Hexachlorocyclopentadiene

Concen: 4.434 ng

RT: 9.033 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

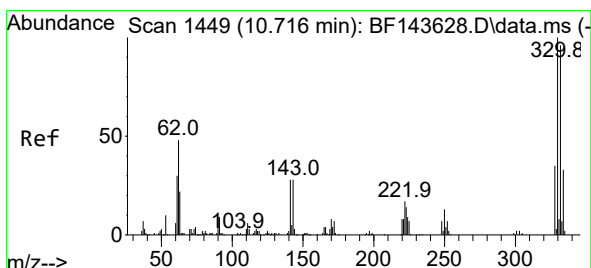
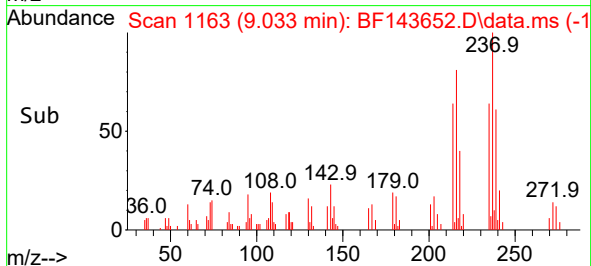
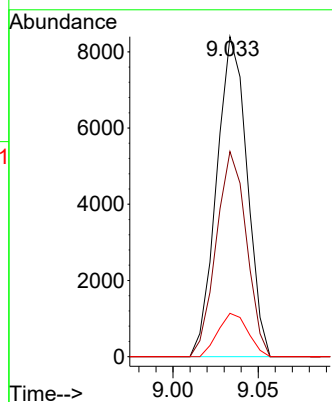
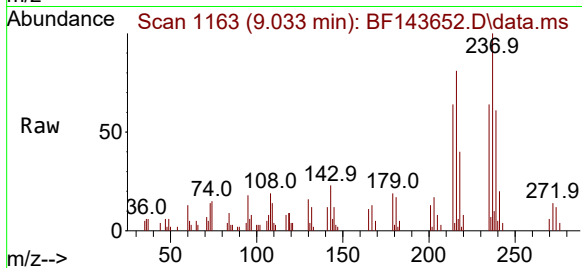
Tgt Ion:237 Resp: 10419

Ion Ratio Lower Upper

237 100

235 64.1 43.0 83.0

272 13.5 0.0 32.9



#42

2,4,6-Tribromophenol

Concen: 146.733 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

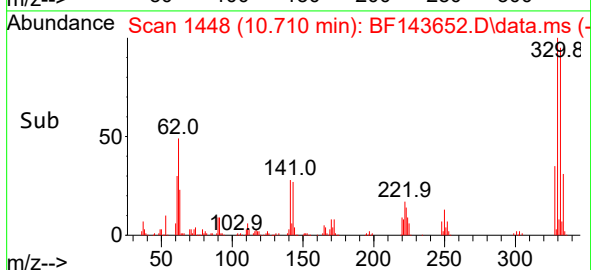
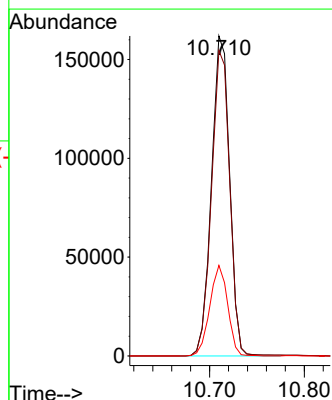
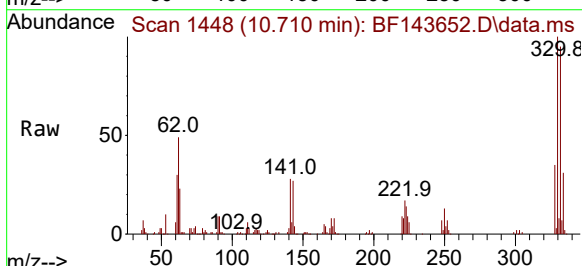
Tgt Ion:330 Resp: 214817

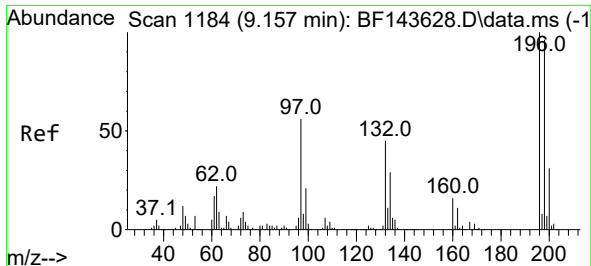
Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 27.9 23.5 35.3

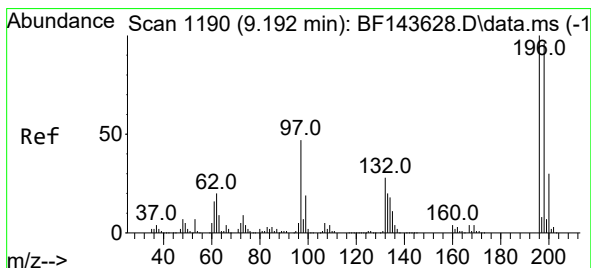
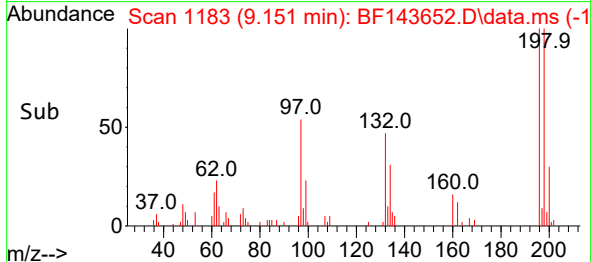
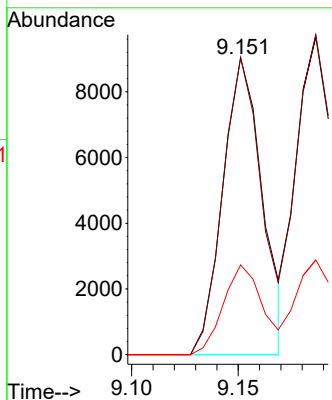
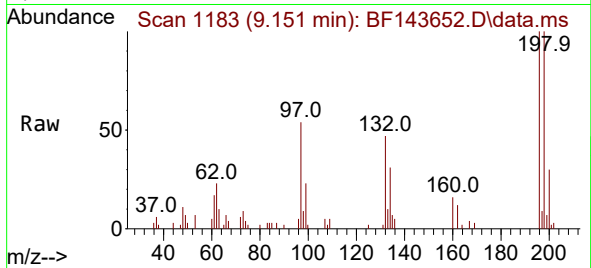




#43
2,4,6-Trichlorophenol
Concen: 3.913 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

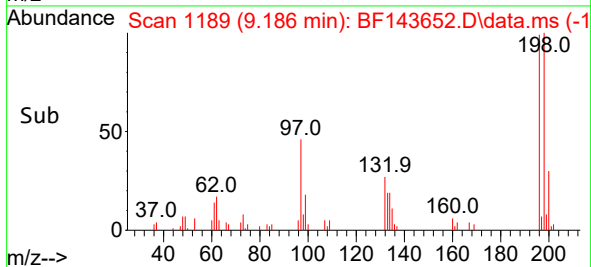
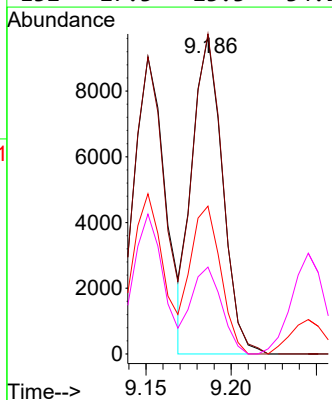
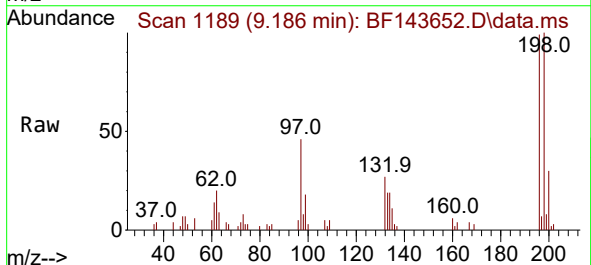
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

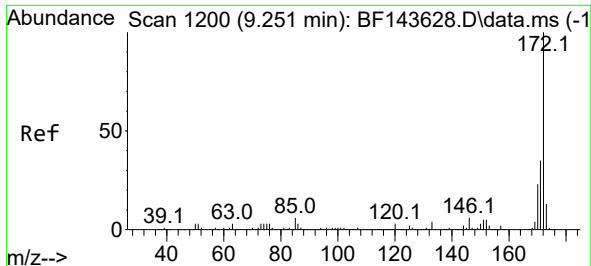
Tgt Ion:196 Resp: 11664
Ion Ratio Lower Upper
196 100
198 100.0 77.1 115.7
200 30.2 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 3.882 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:196 Resp: 11946
Ion Ratio Lower Upper
196 100
198 100.7 76.6 115.0
97 46.5 38.2 57.2
132 27.3 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 85.445 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

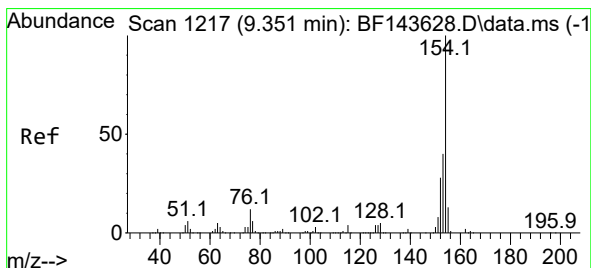
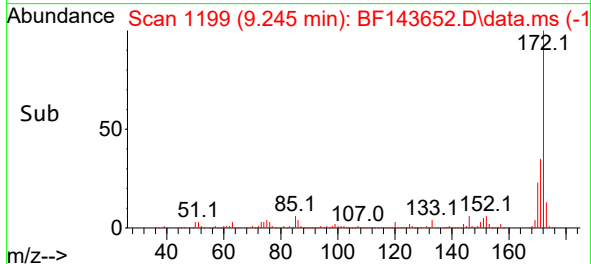
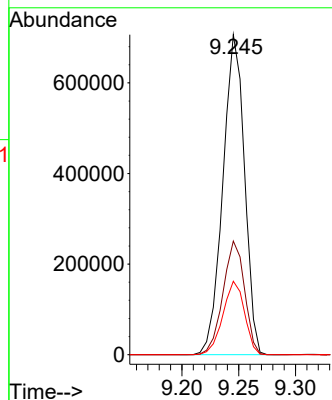
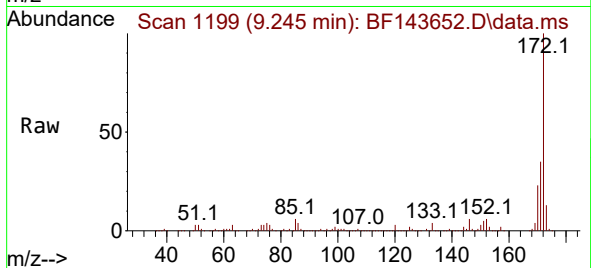
Tgt Ion:172 Resp: 936316

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 4.063 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

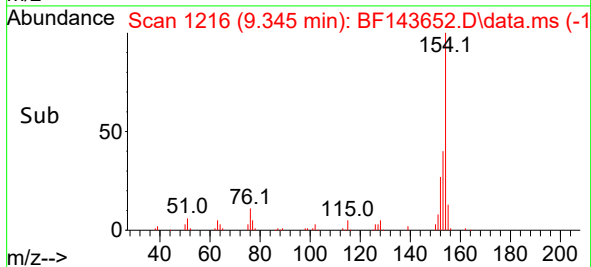
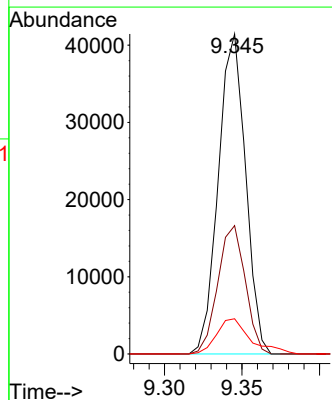
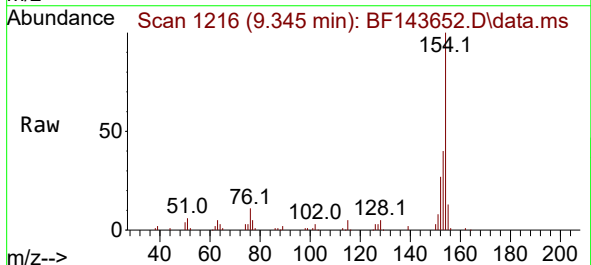
Tgt Ion:154 Resp: 50592

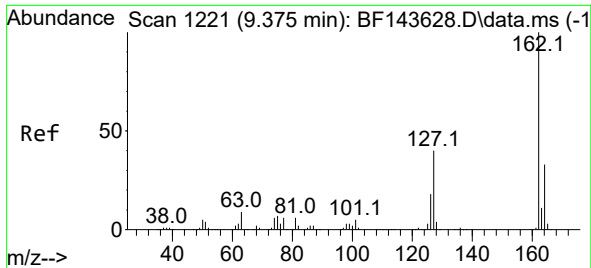
Ion Ratio Lower Upper

154 100

153 40.1 20.1 60.1

76 11.0 0.0 31.9





#47

2-Chloronaphthalene

Concen: 3.938 ng

RT: 9.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

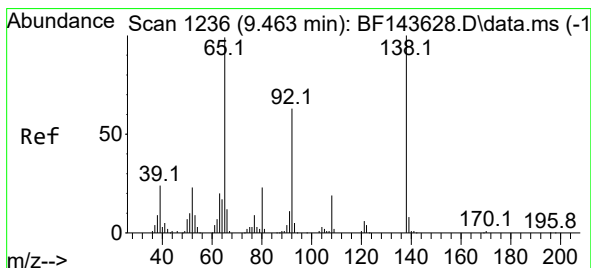
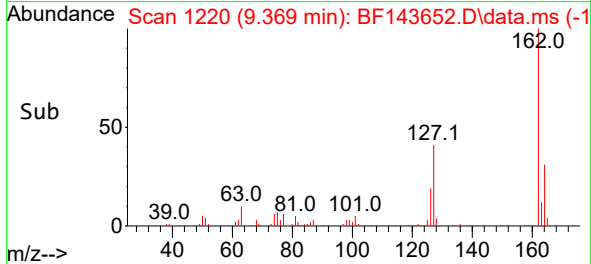
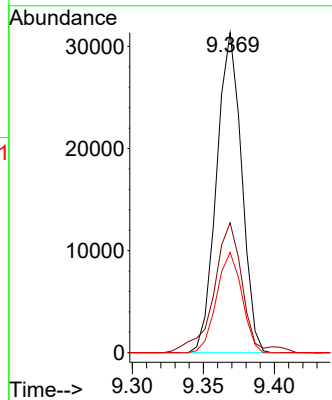
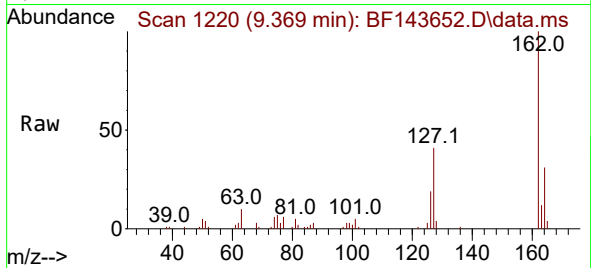
Tgt Ion:162 Resp: 38372

Ion Ratio Lower Upper

162 100

127 40.6 31.9 47.9

164 31.3 26.0 39.0



#48

2-Nitroaniline

Concen: 6.409 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

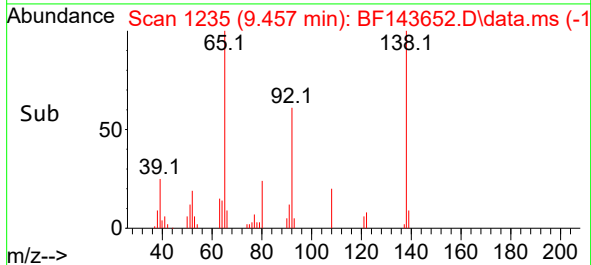
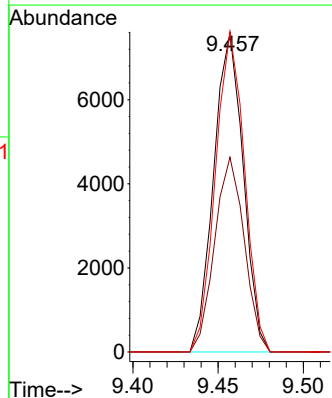
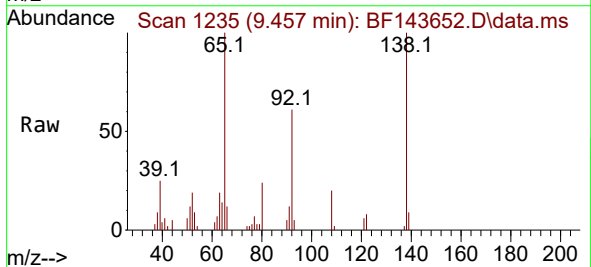
Tgt Ion: 65 Resp: 9152

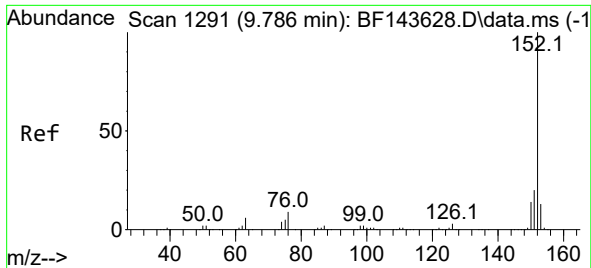
Ion Ratio Lower Upper

65 100

92 61.0 50.9 76.3

138 100.2 80.6 120.8

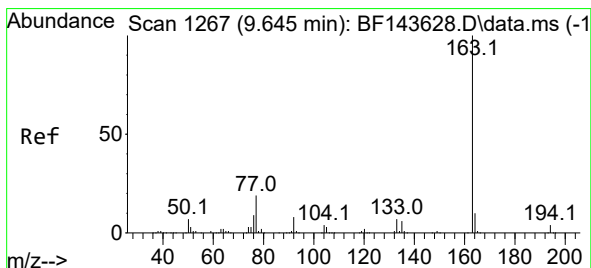
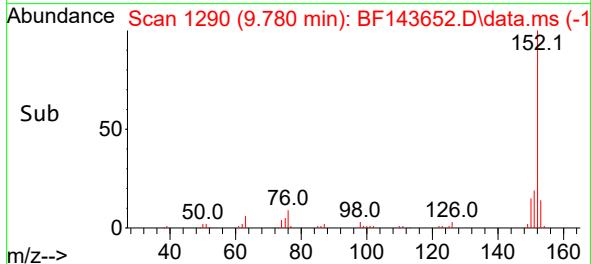
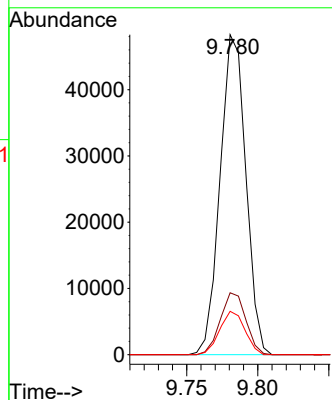
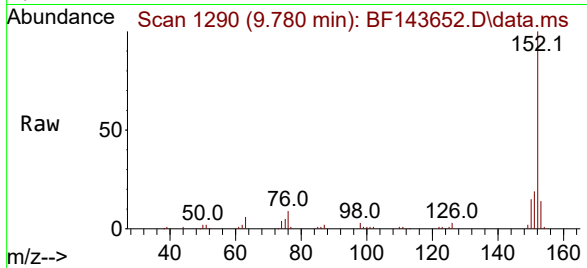




#49
Acenaphthylene
Concen: 4.333 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

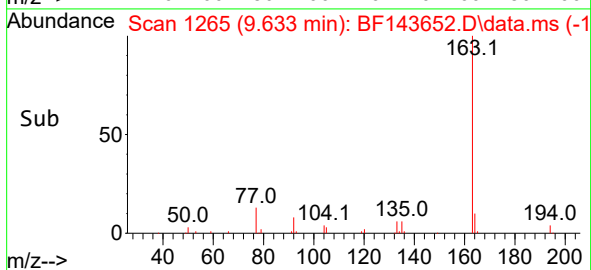
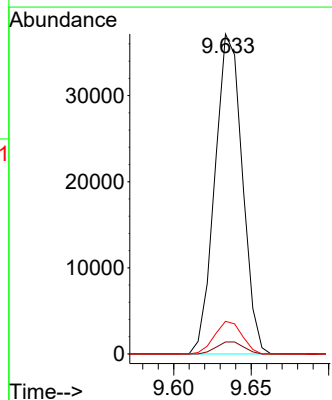
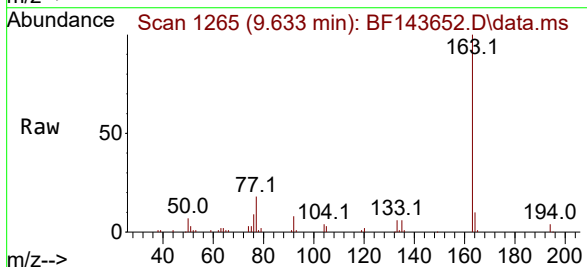
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

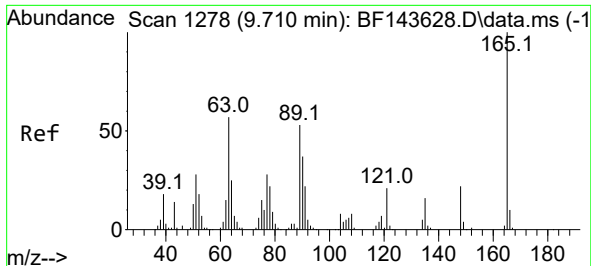
Tgt Ion:152 Resp: 60851
Ion Ratio Lower Upper
152 100
151 19.4 16.1 24.1
153 13.5 10.6 15.8



#50
Dimethylphthalate
Concen: 4.122 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

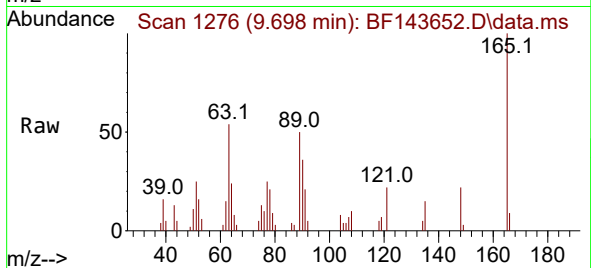
Tgt Ion:163 Resp: 45701
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.2 8.1 12.1



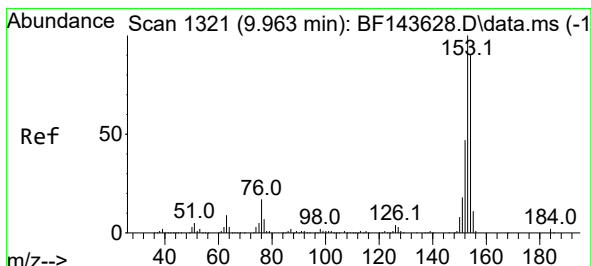
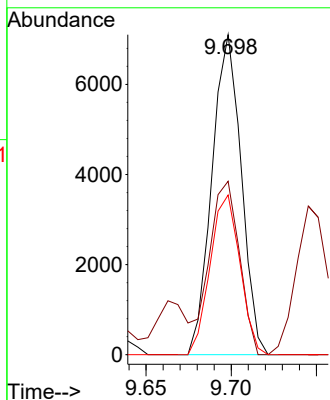
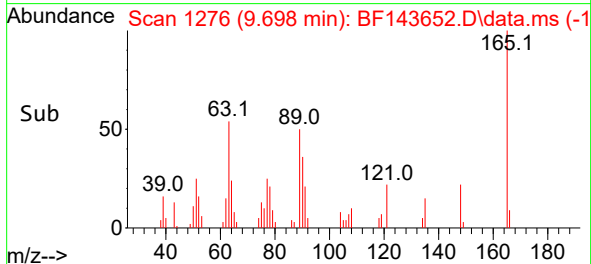


#51
2,6-Dinitrotoluene
Concen: 7.674 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

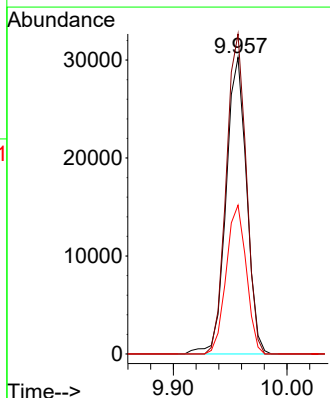
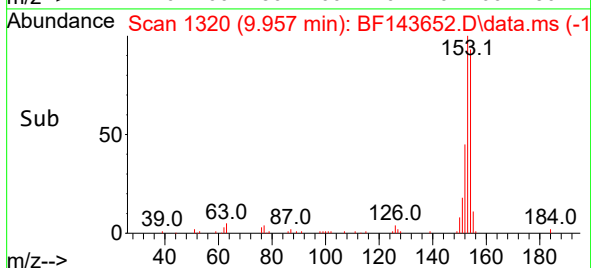
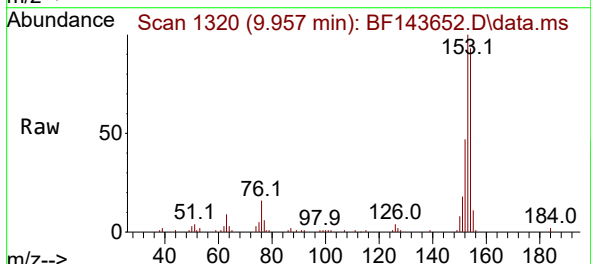


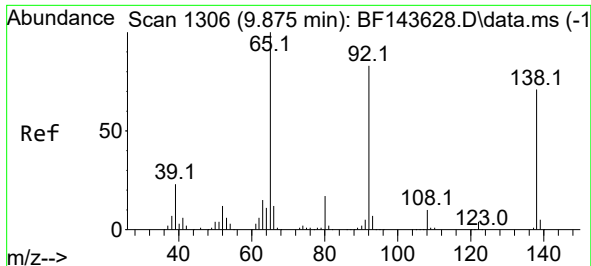
Tgt Ion:165 Resp: 8503
Ion Ratio Lower Upper
165 100
63 54.2 45.4 68.0
89 49.9 42.1 63.1



#52
Acenaphthene
Concen: 4.063 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:154 Resp: 38163
Ion Ratio Lower Upper
154 100
153 107.8 88.6 132.8
152 50.2 41.8 62.8

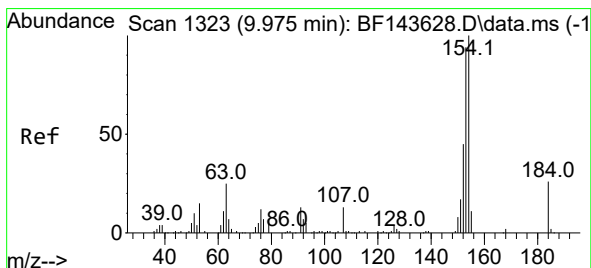
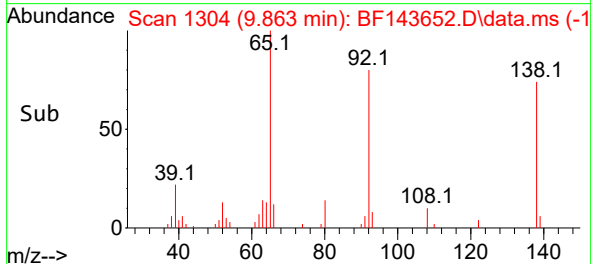
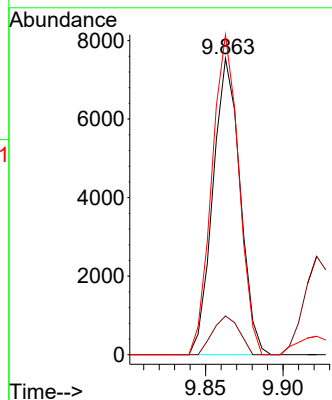
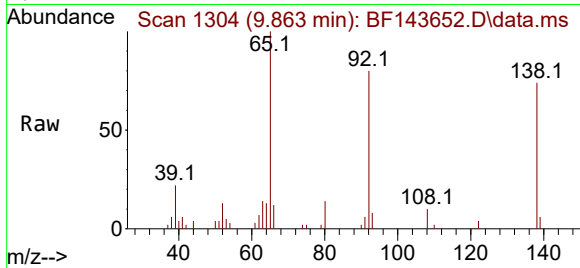




#53
3-Nitroaniline
Concen: 6.885 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

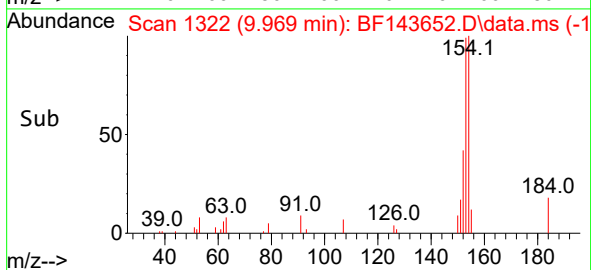
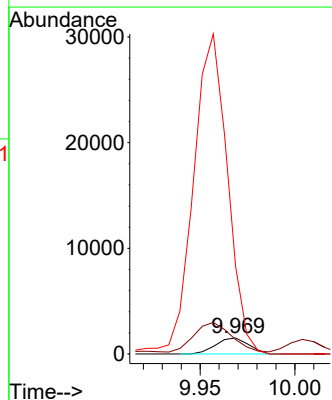
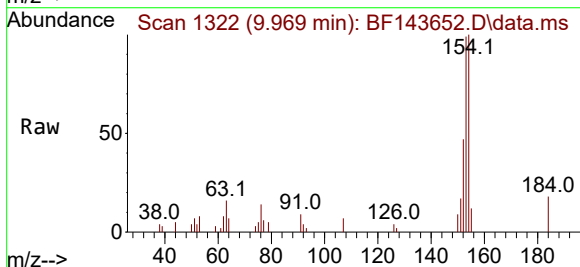
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

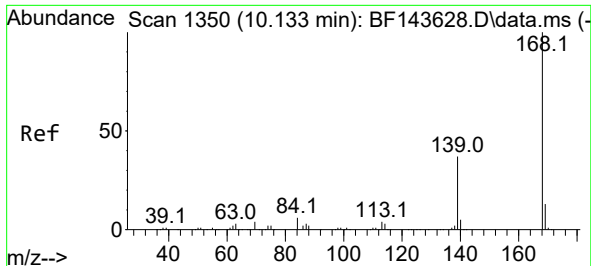
Tgt Ion:138 Resp: 9217
Ion Ratio Lower Upper
138 100
108 13.1 10.7 16.1
92 108.0 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 9.037 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:184 Resp: 1823
Ion Ratio Lower Upper
184 100
63 90.4 81.8 122.8
154 551.6 348.3 522.5#

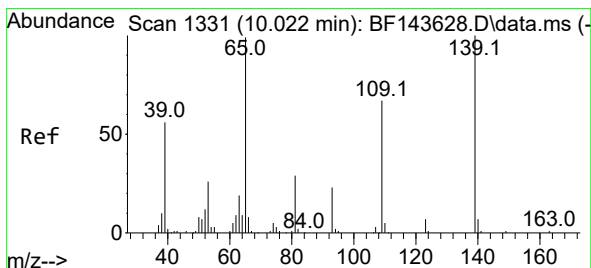
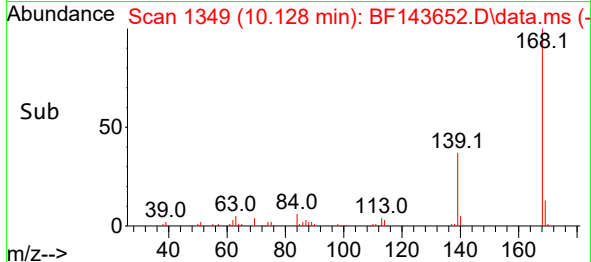
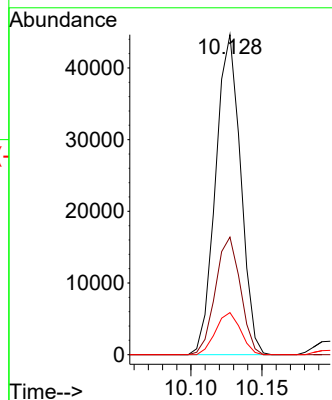
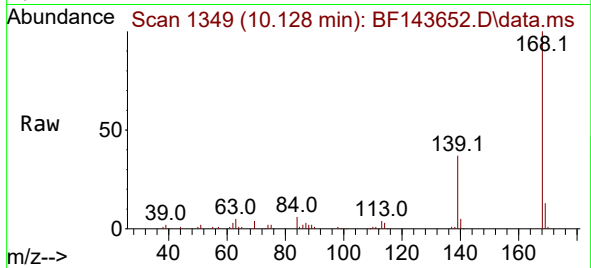




#55
Dibenzenofuran
Concen: 4.000 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

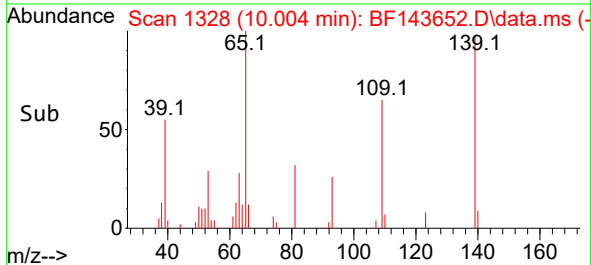
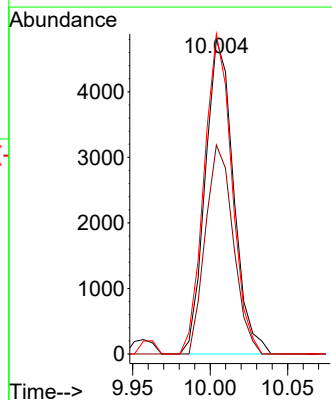
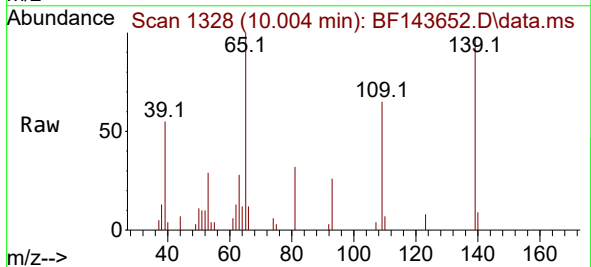
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

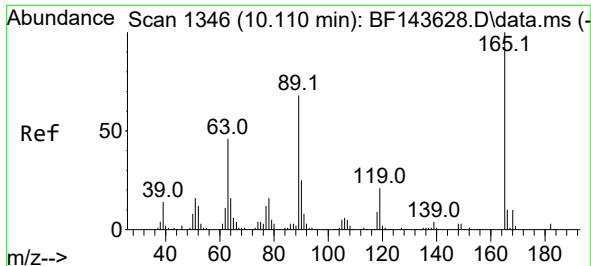
Tgt Ion:168 Resp: 54591
Ion Ratio Lower Upper
168 100
139 36.8 29.8 44.8
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 3.706 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.018 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:139 Resp: 6091
Ion Ratio Lower Upper
139 100
109 66.4 47.6 87.6
65 101.7 80.5 120.5

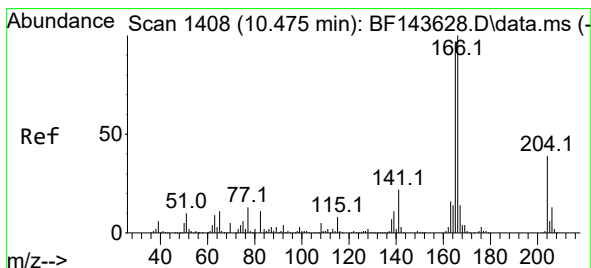
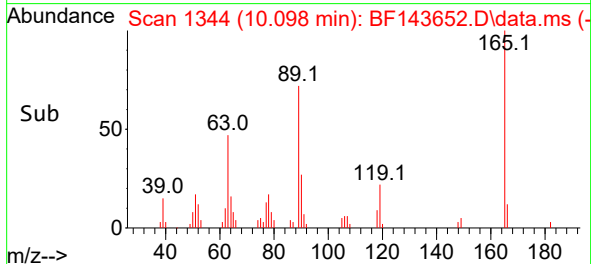
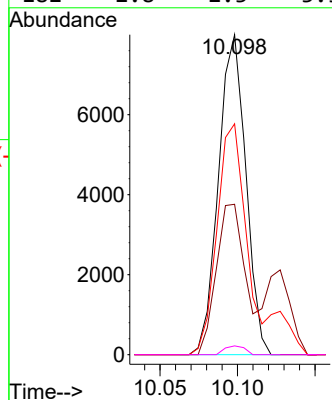
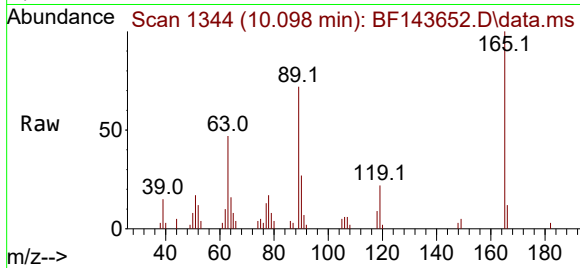




#57
2,4-Dinitrotoluene
Concen: 7.176 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

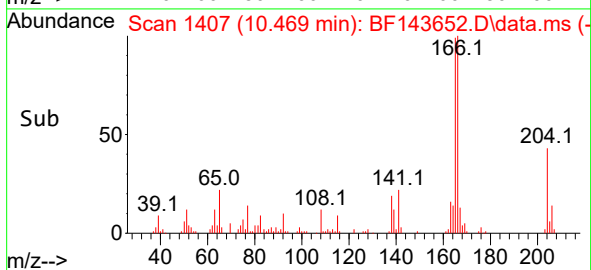
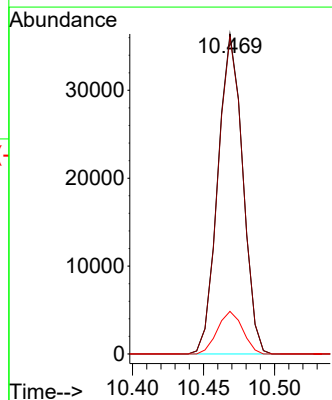
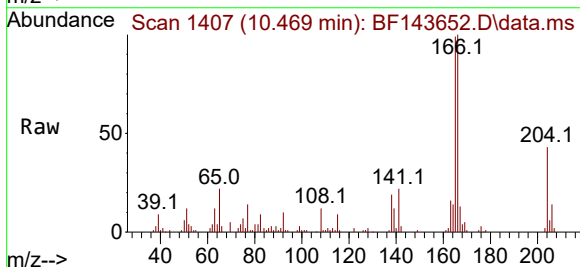
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

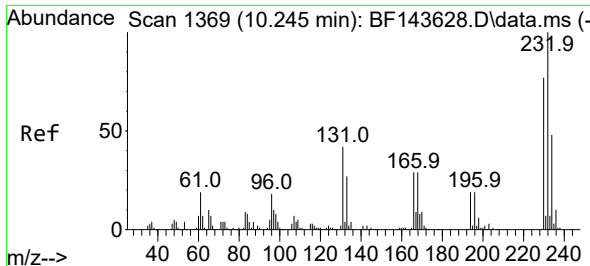
Tgt Ion:165 Resp: 9820
Ion Ratio Lower Upper
165 100
63 47.0 37.0 55.6
89 72.2 54.1 81.1
182 2.8 2.3 3.5



#58
Fluorene
Concen: 4.197 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:166 Resp: 44306
Ion Ratio Lower Upper
166 100
165 99.2 77.6 116.4
167 13.3 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 4.696 ng

RT: 10.239 min Scan# 1368

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

Tgt Ion:232 Resp: 10976

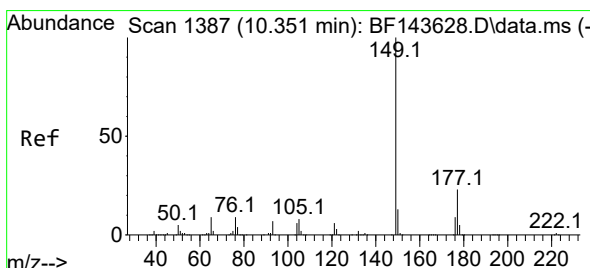
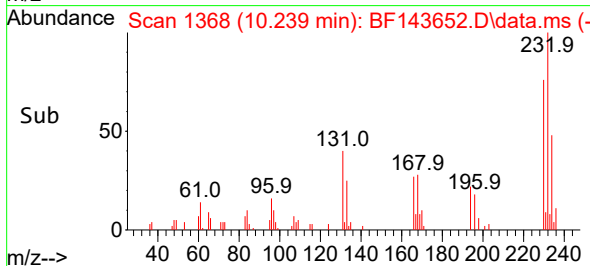
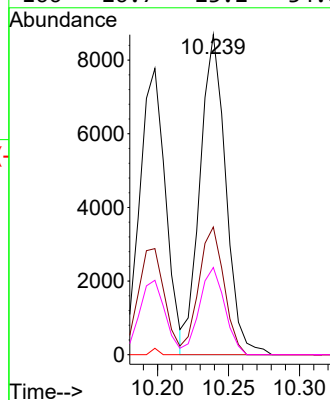
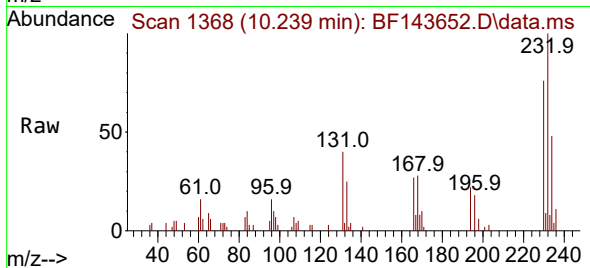
Ion Ratio Lower Upper

232 100

131 39.1 33.7 50.5

130 0.0 1.5 2.3#

166 26.7 23.2 34.8



#60

Diethylphthalate

Concen: 4.103 ng

RT: 10.339 min Scan# 1385

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

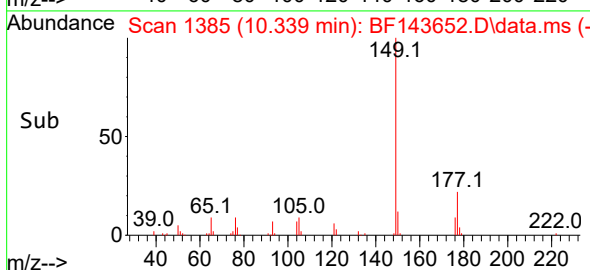
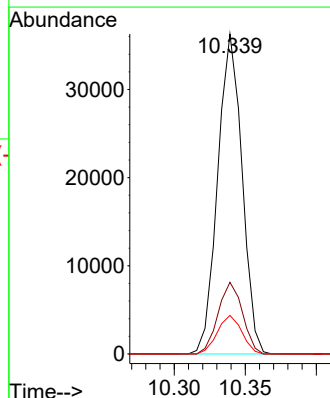
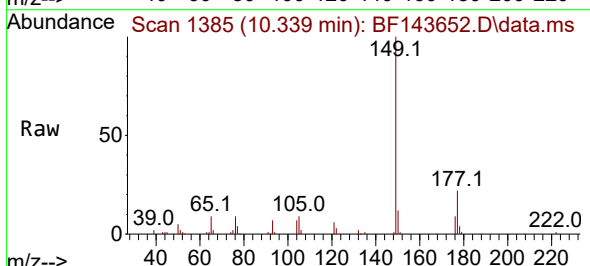
Tgt Ion:149 Resp: 43185

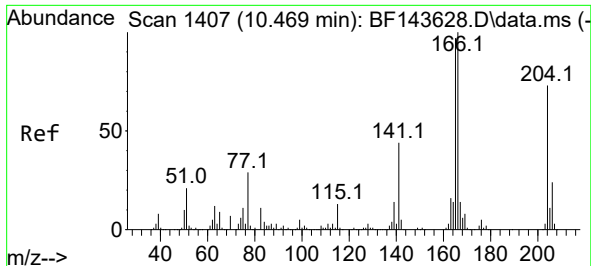
Ion Ratio Lower Upper

149 100

177 22.4 18.6 28.0

150 12.1 10.3 15.5





#61

4-Chlorophenyl-phenylether

Concen: 4.384 ng

RT: 10.463 min Scan# 1406

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

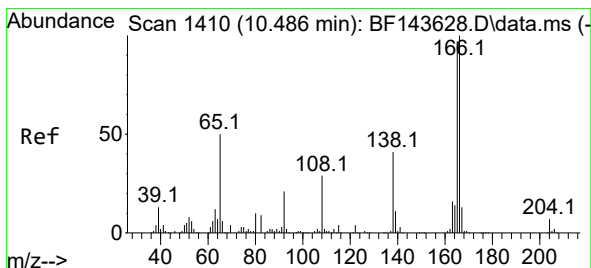
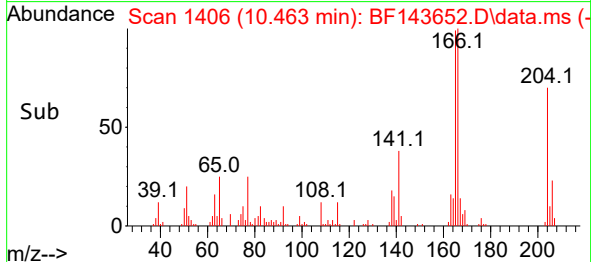
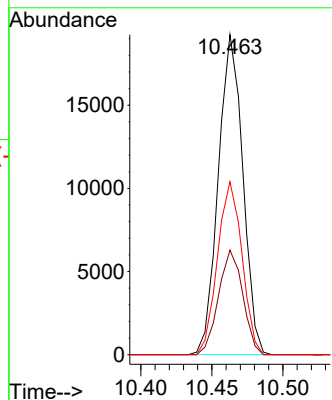
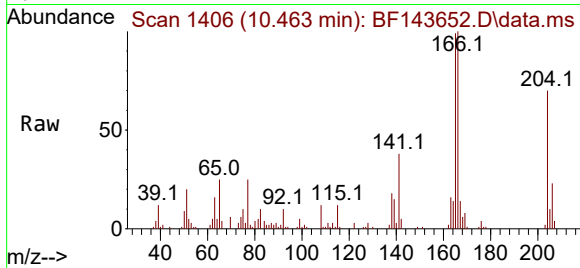
Tgt Ion:204 Resp: 23091

Ion Ratio Lower Upper

204 100

206 32.6 26.6 40.0

141 54.1 47.8 71.6



#62

4-Nitroaniline

Concen: 6.427 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.017 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

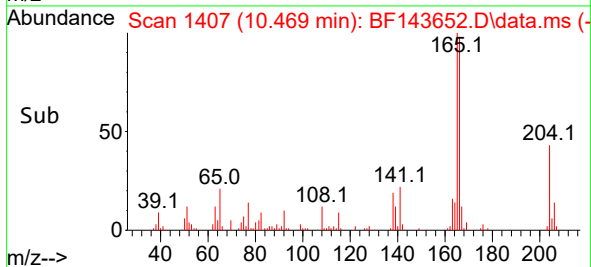
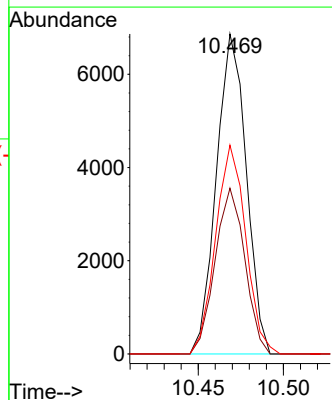
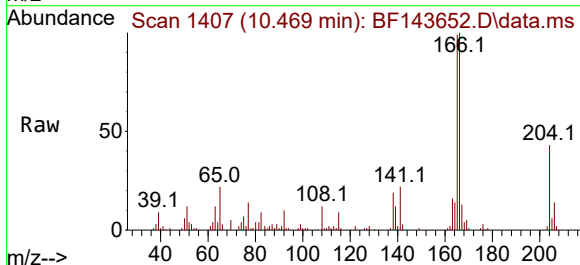
Tgt Ion:138 Resp: 8369

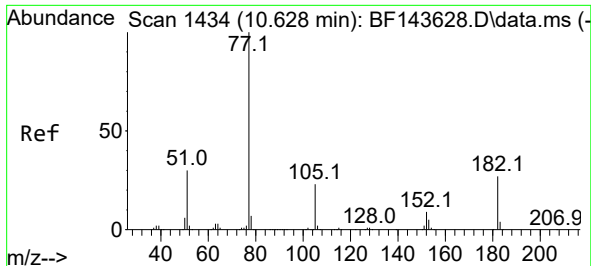
Ion Ratio Lower Upper

138 100

92 51.8 30.5 70.5

108 65.3 49.1 89.1

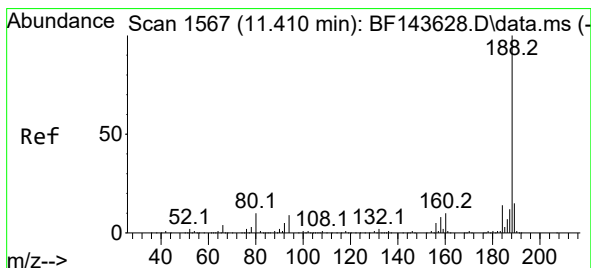
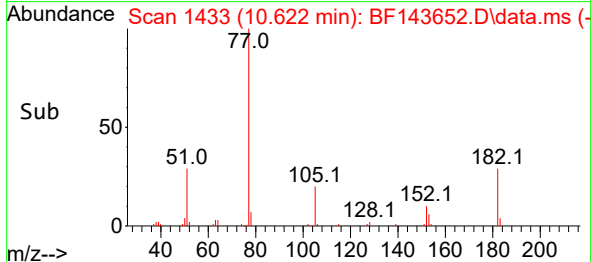
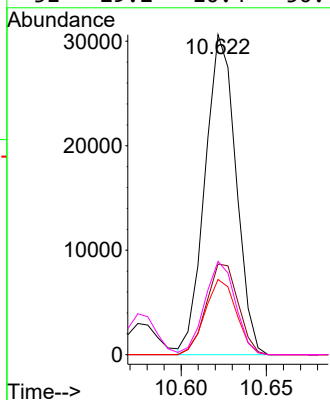
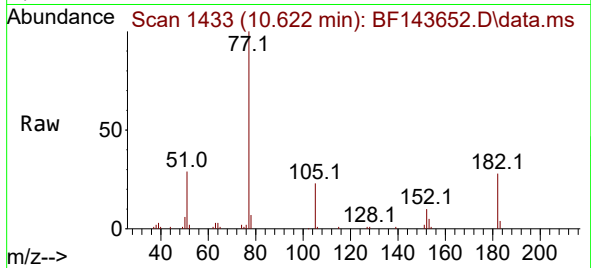




#63
Azobenzene
Concen: 3.897 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

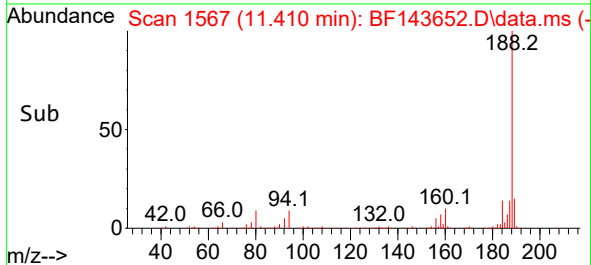
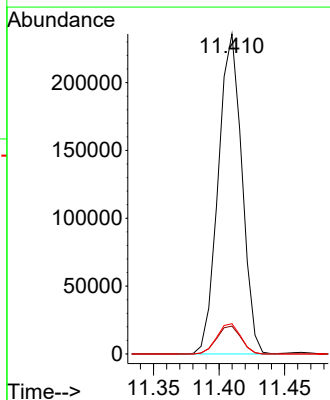
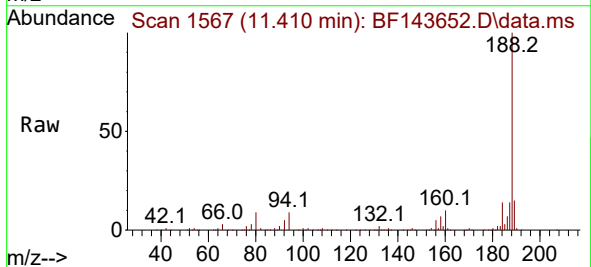
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

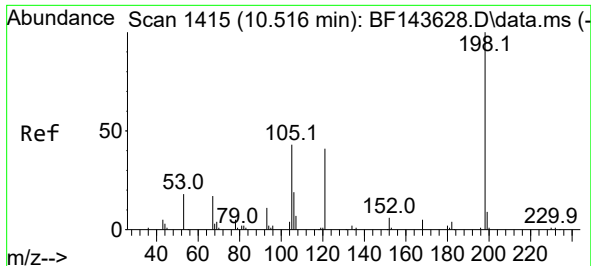
Tgt Ion: 77	Resp: 38655
Ion Ratio	Lower Upper
77 100	
182 28.3	6.8 46.8
105 23.5	2.8 42.8
51 29.2	10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion: 188	Resp: 295792
Ion Ratio	Lower Upper
188 100	
94 8.7	7.5 11.3
80 9.5	8.4 12.6

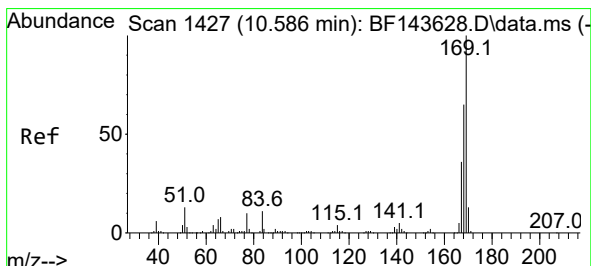
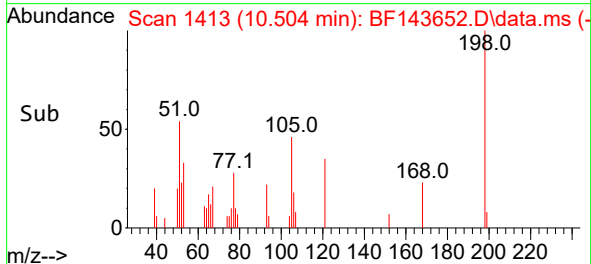
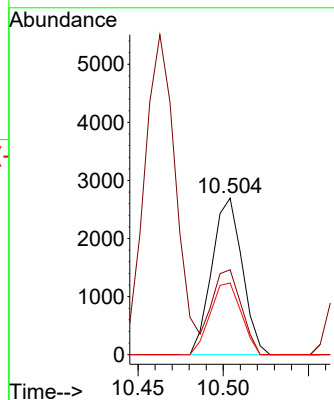
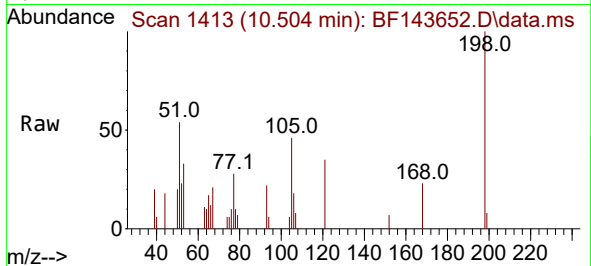




#65
4,6-Dinitro-2-methylphenol
Concen: 10.722 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

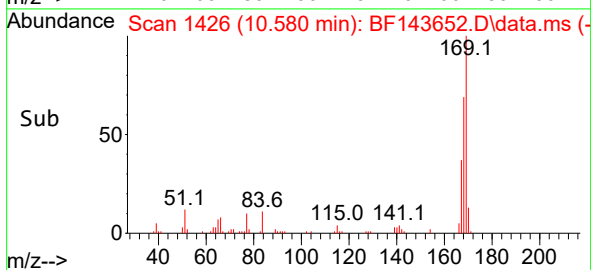
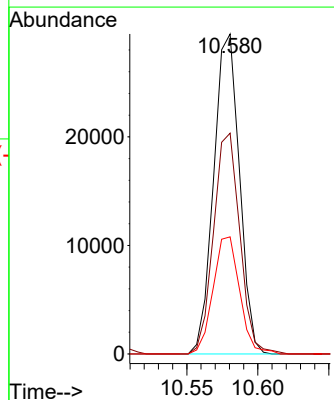
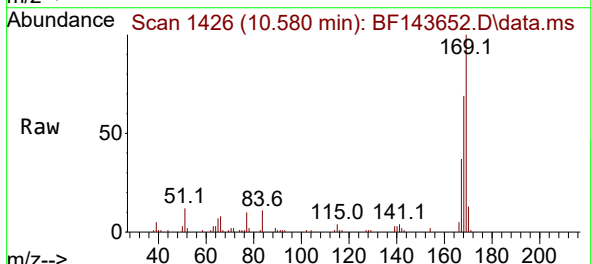
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

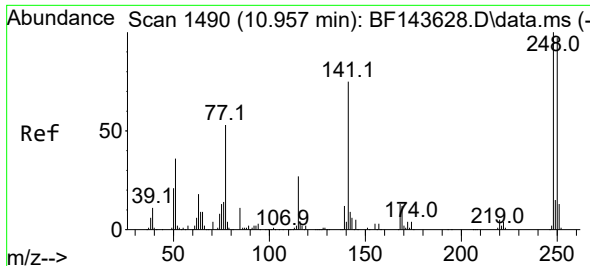
Tgt Ion:198 Resp: 3335
Ion Ratio Lower Upper
198 100
51 54.3 30.7 70.7
105 45.8 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 3.890 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:169 Resp: 37143
Ion Ratio Lower Upper
169 100
168 69.0 52.2 78.4
167 36.6 28.5 42.7

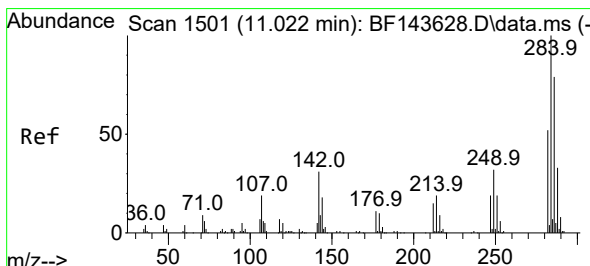
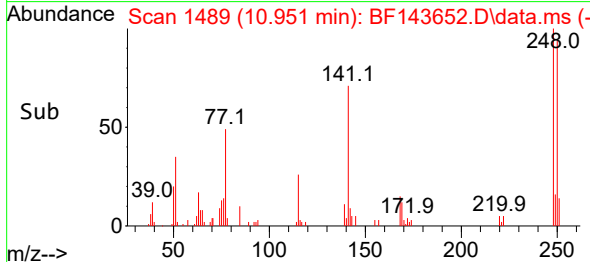
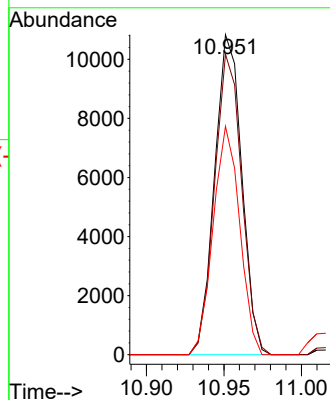
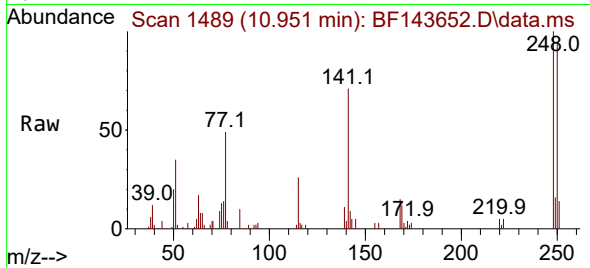




#67
4-Bromophenyl-phenylether
Concen: 3.856 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

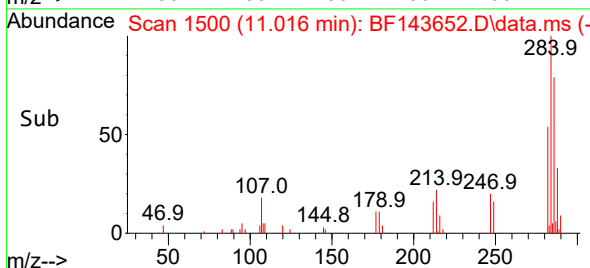
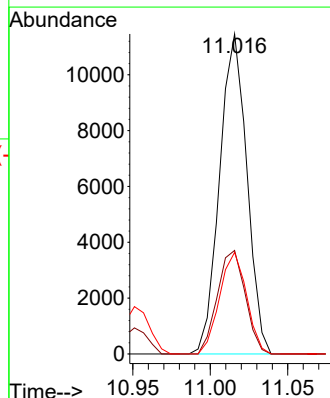
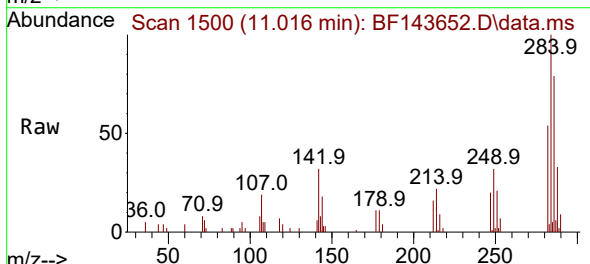
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

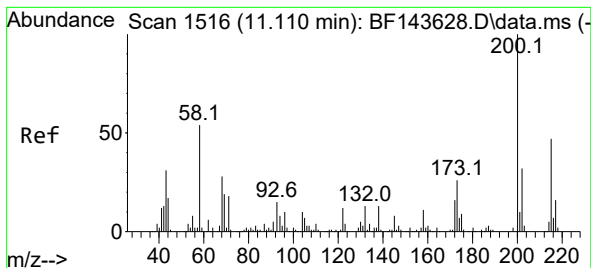
Tgt Ion:248 Resp: 13227
Ion Ratio Lower Upper
248 100
250 93.9 77.6 116.4
141 71.4 60.1 90.1



#68
Hexachlorobenzene
Concen: 3.890 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:284 Resp: 14017
Ion Ratio Lower Upper
284 100
142 32.3 24.7 37.1
249 31.8 25.4 38.2





#69

Atrazine

Concen: 3.825 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

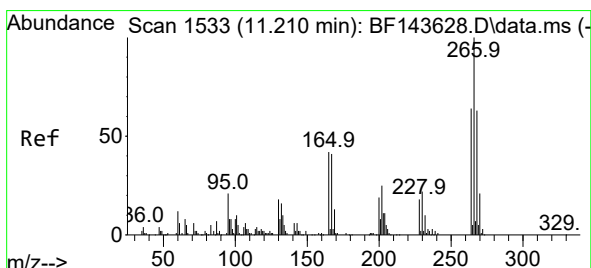
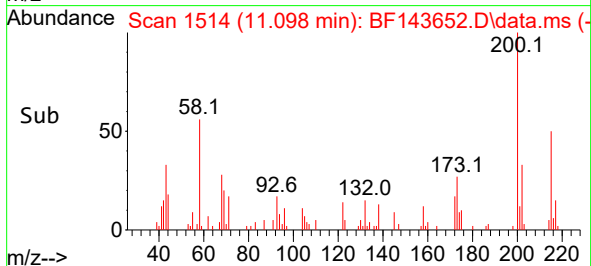
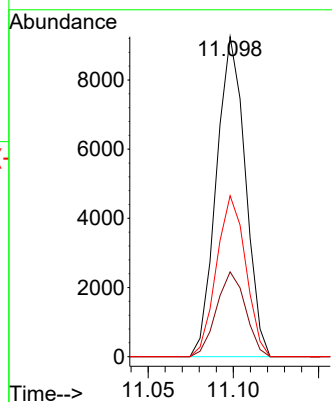
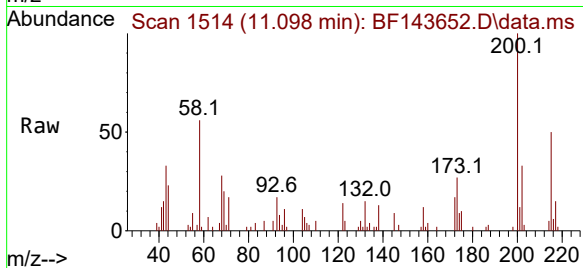
Tgt Ion:200 Resp: 10917

Ion Ratio Lower Upper

200 100

173 26.5 6.4 46.4

215 50.3 26.9 66.9



#70

Pentachlorophenol

Concen: 3.168 ng

RT: 11.204 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

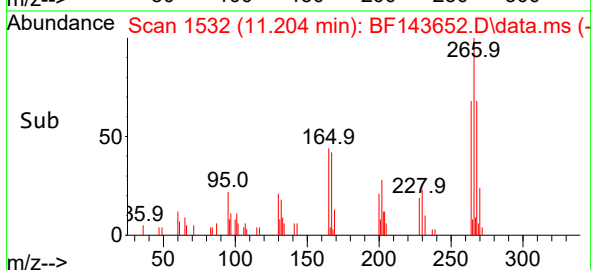
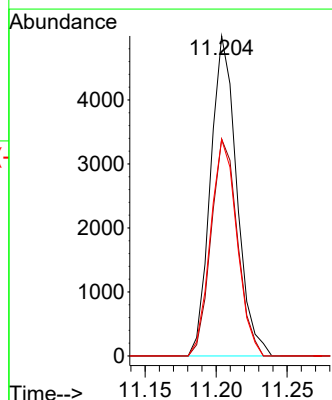
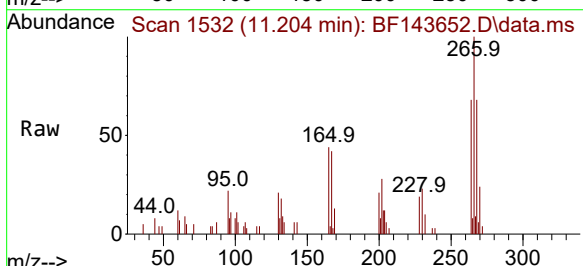
Tgt Ion:266 Resp: 6413

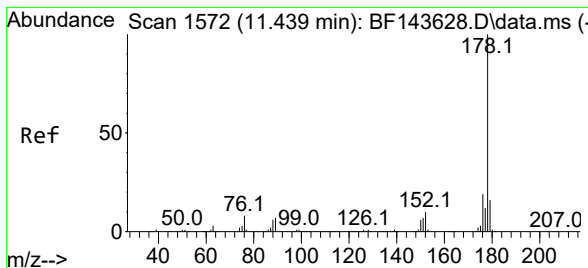
Ion Ratio Lower Upper

266 100

268 67.8 50.6 76.0

264 67.7 51.2 76.8





#71

Phenanthrene

Concen: 4.129 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

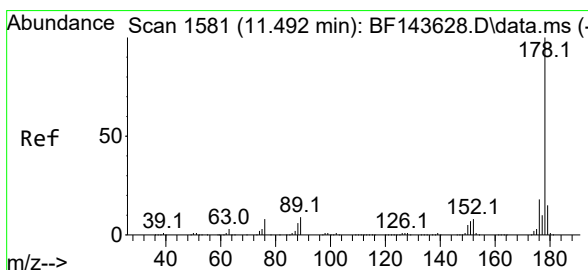
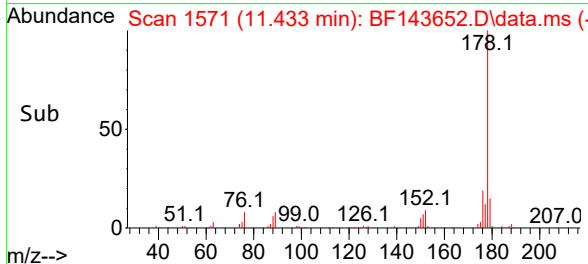
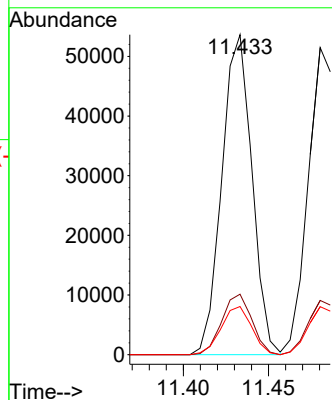
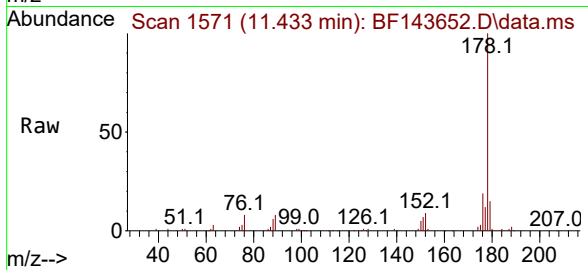
Tgt Ion:178 Resp: 66035

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.0 12.4 18.6



#72

Anthracene

Concen: 4.050 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

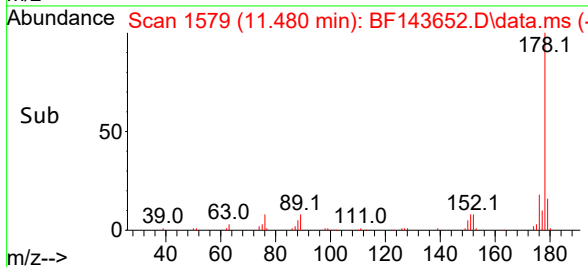
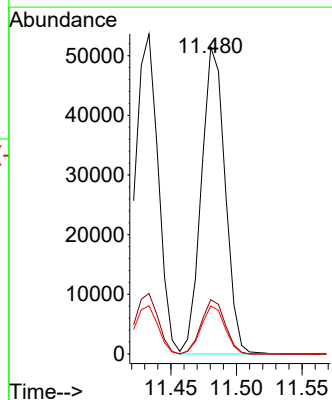
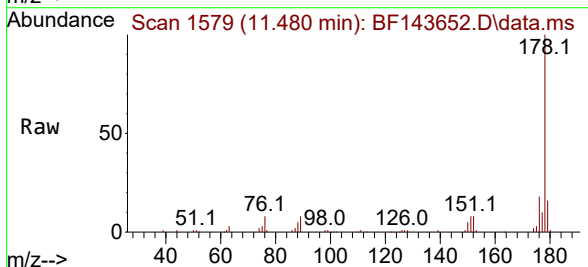
Tgt Ion:178 Resp: 64969

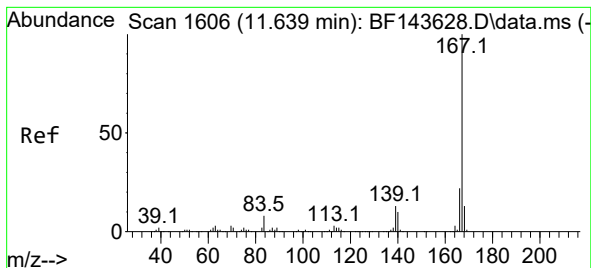
Ion Ratio Lower Upper

178 100

176 17.7 14.6 22.0

179 15.7 12.3 18.5





#73

Carbazole

Concen: 4.139 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

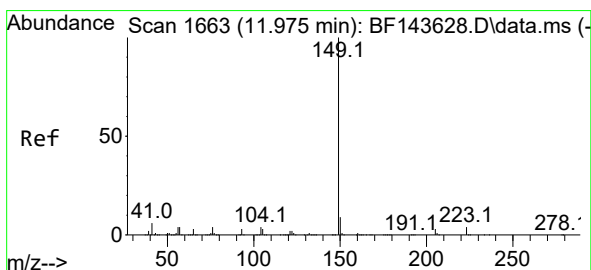
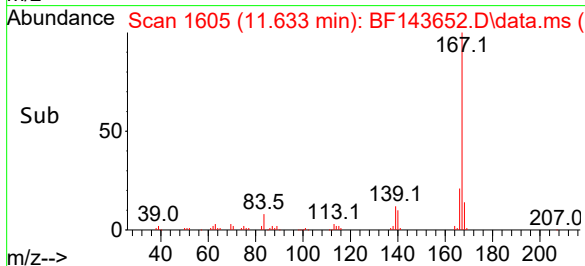
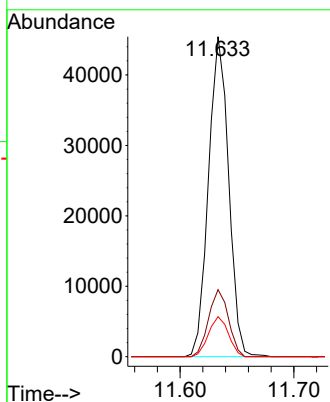
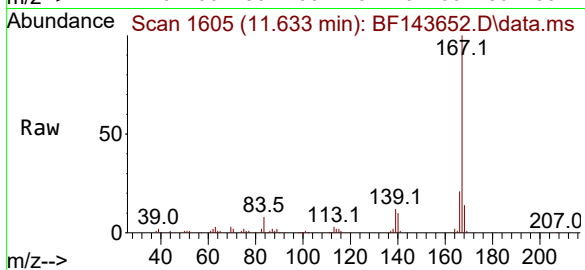
Tgt Ion:167 Resp: 55969

Ion Ratio Lower Upper

167 100

166 20.9 17.3 25.9

139 12.5 10.3 15.5



#74

Di-n-butylphthalate

Concen: 4.178 ng

RT: 11.969 min Scan# 1662

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

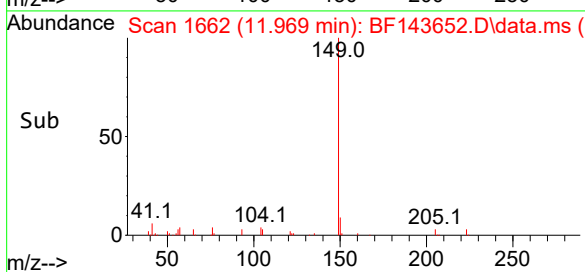
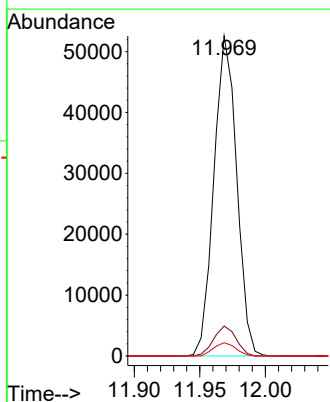
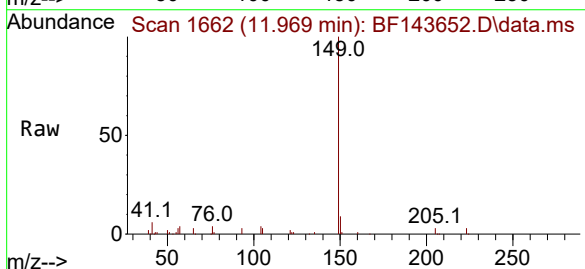
Tgt Ion:149 Resp: 63430

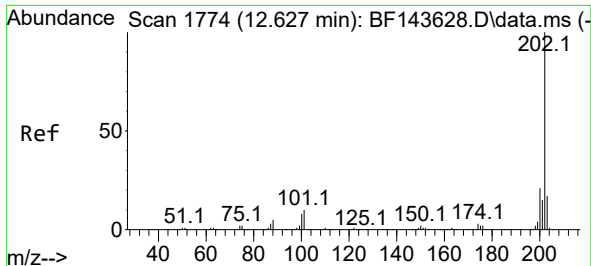
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 4.2 3.5 5.3

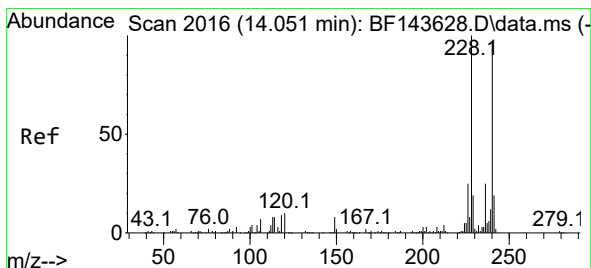
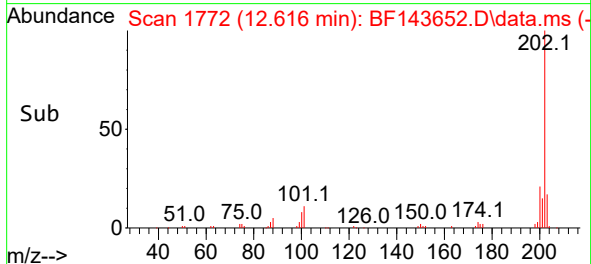
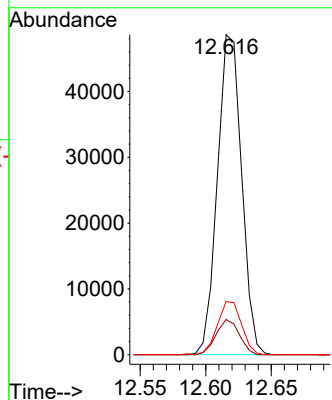
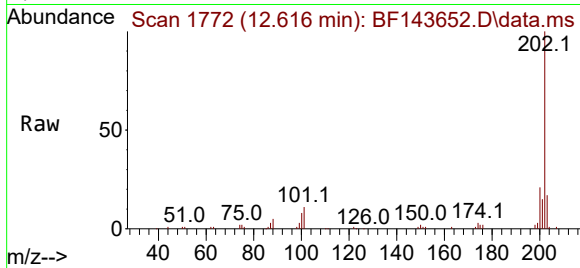




#75
Fluoranthene
Concen: 4.247 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

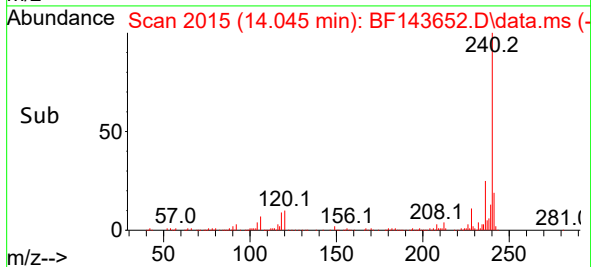
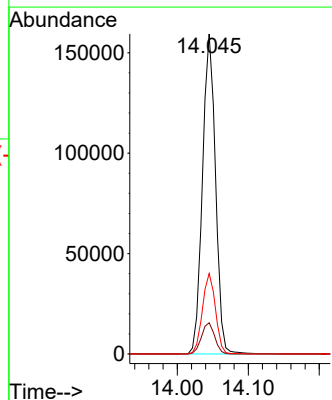
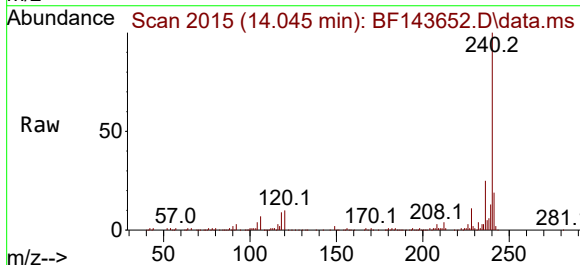
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

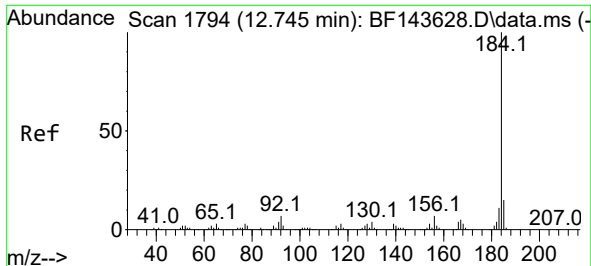
Tgt Ion:202 Resp: 62393
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.3
203 16.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:240 Resp: 204078
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.1 20.5 30.7

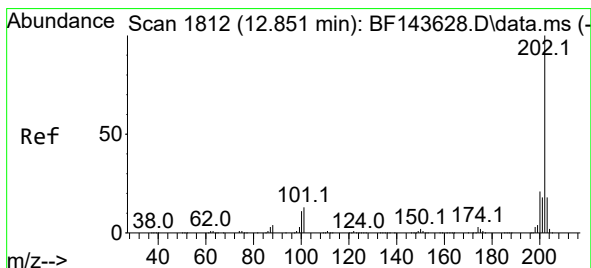
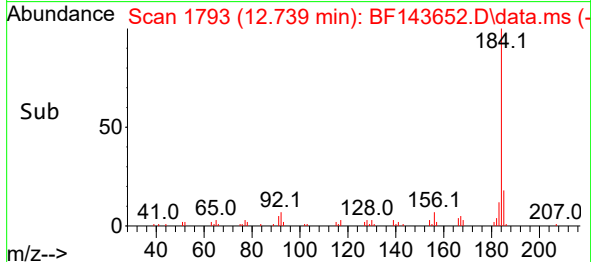
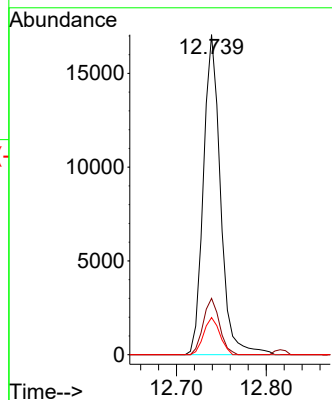
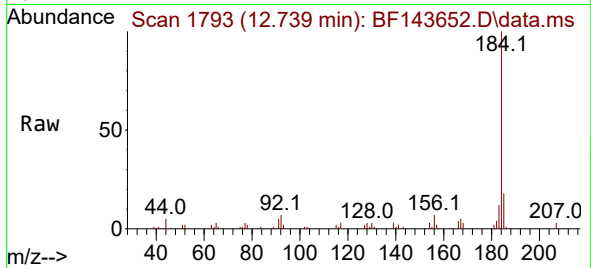




#77
Benzidine
Concen: 4.838 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

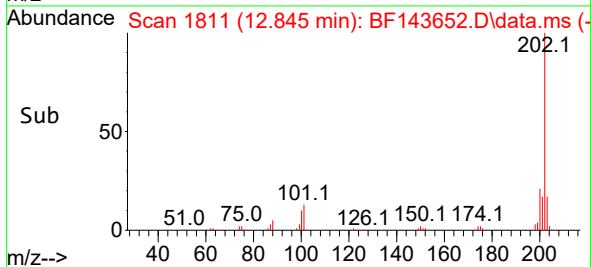
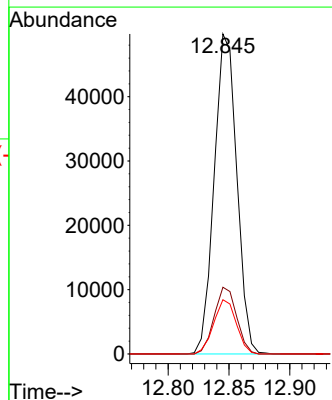
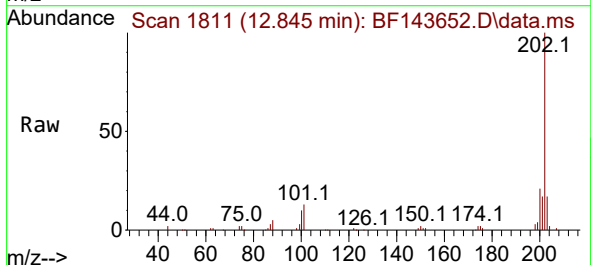
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2025

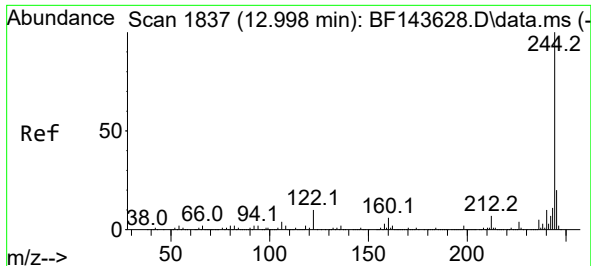
Tgt Ion:184 Resp: 22587
Ion Ratio Lower Upper
184 100
185 17.6 11.8 17.6
183 11.6 9.0 13.6



#78
Pyrene
Concen: 3.815 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

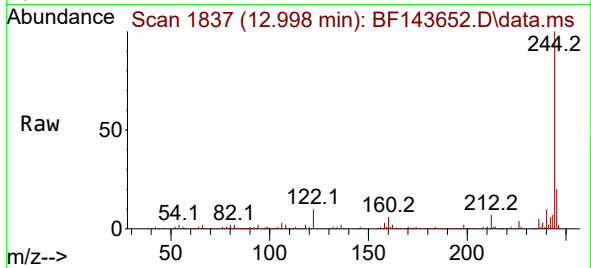
Tgt Ion:202 Resp: 64249
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.0 14.0 21.0





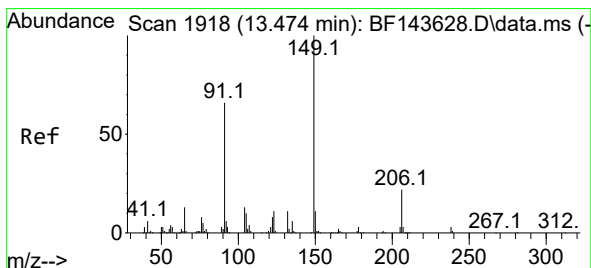
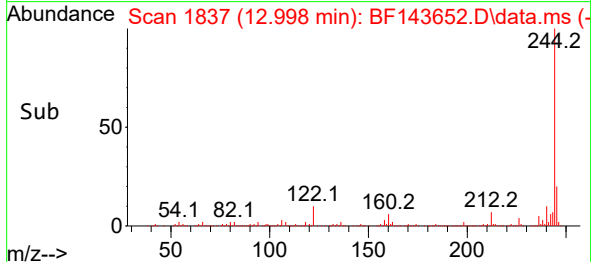
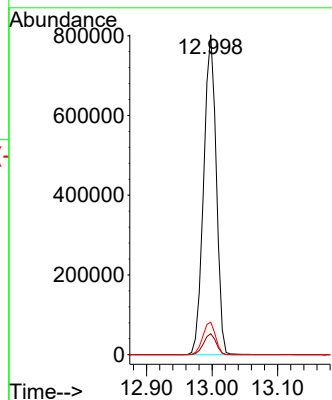
#79
 Terphenyl-d14
 Concen: 87.676 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025



Tgt Ion:244 Resp: 1073847

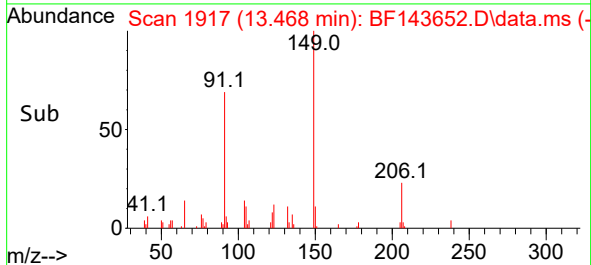
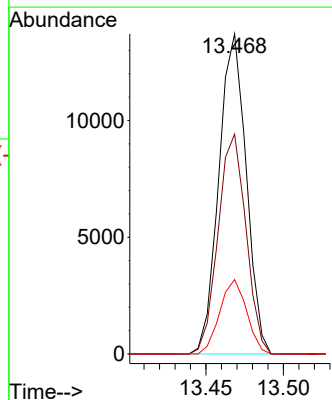
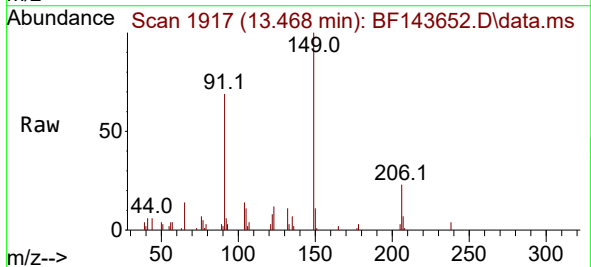
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.1	8.3	12.5

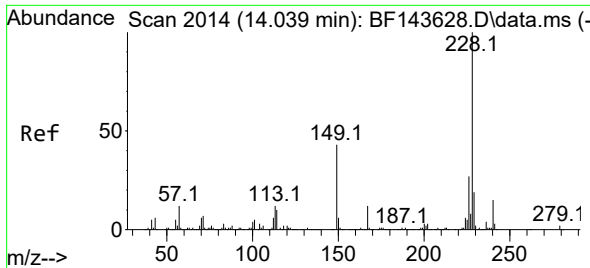


#80
 Butylbenzylphthalate
 Concen: 6.223 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

Tgt Ion:149 Resp: 16847

Ion	Ratio	Lower	Upper
149	100		
91	68.7	53.0	79.4
206	23.2	17.4	26.2

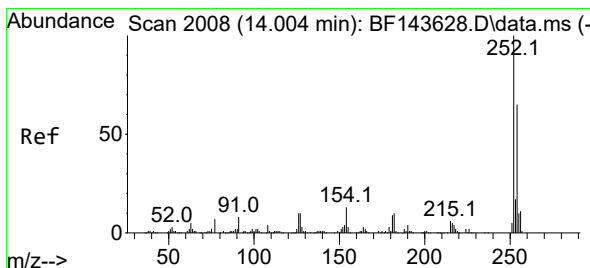
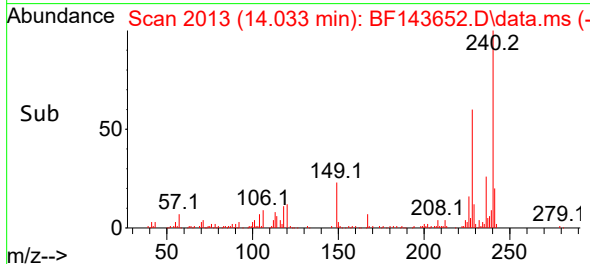
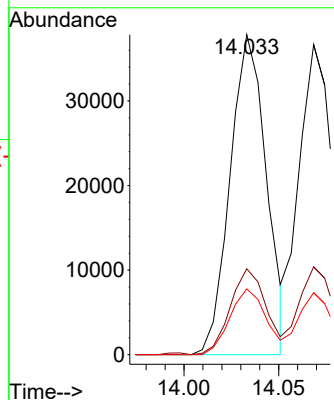
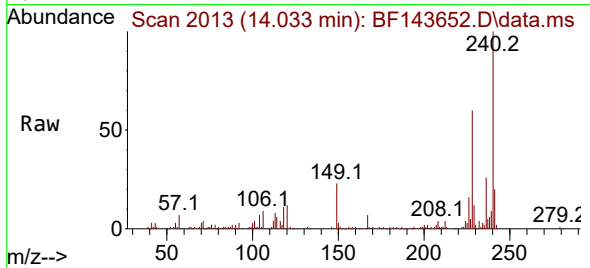




#81
Benzo(a)anthracene
Concen: 3.818 ng
RT: 14.033 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

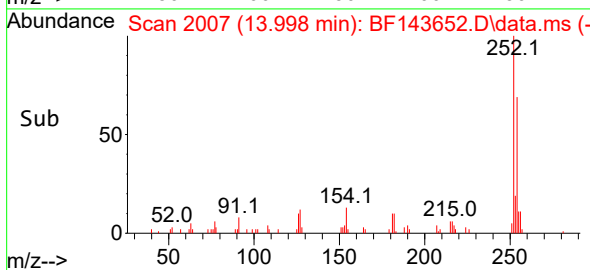
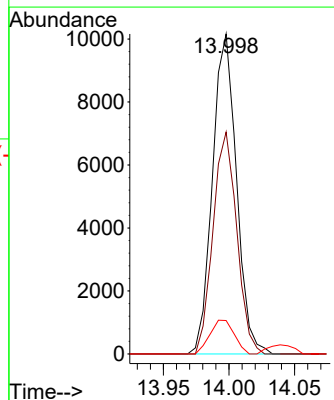
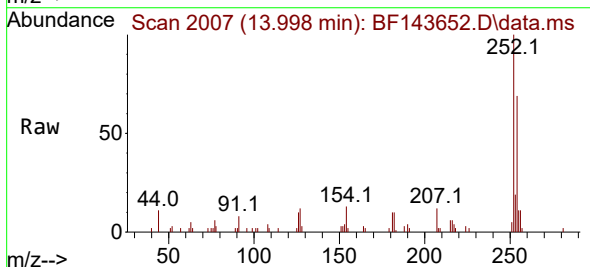
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

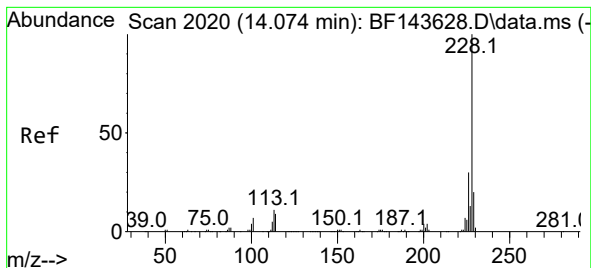
Tgt Ion:228 Resp: 50469
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 20.6 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 3.587 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:252 Resp: 12924
Ion Ratio Lower Upper
252 100
254 69.4 52.2 78.2
126 10.5 8.1 12.1





#83

Chrysene

Concen: 3.916 ng

RT: 14.068 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

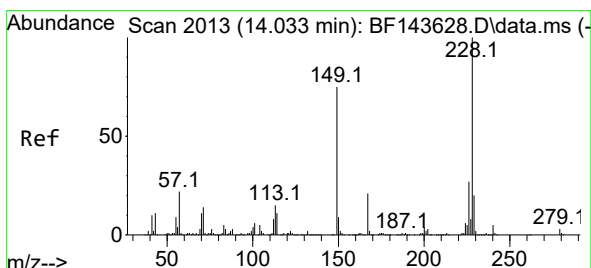
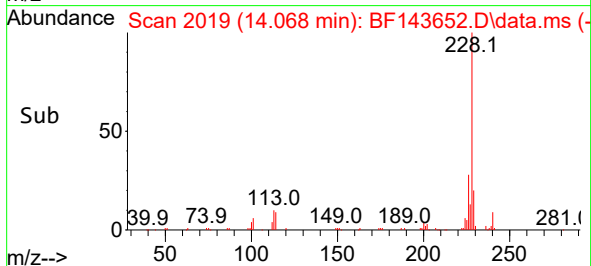
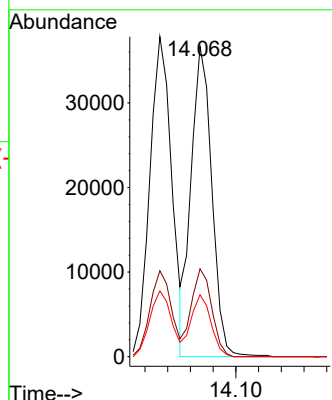
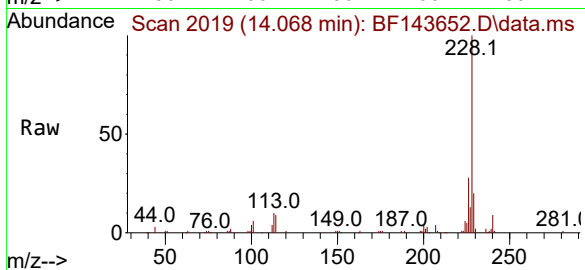
Tgt Ion:228 Resp: 46536

Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.6

229 20.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.667 ng

RT: 14.027 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

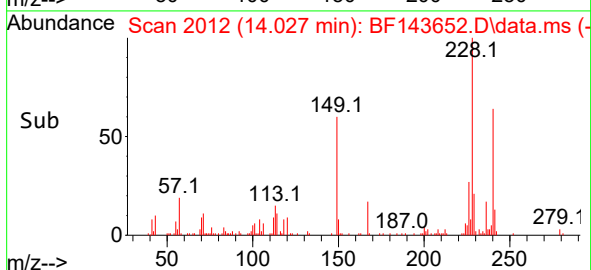
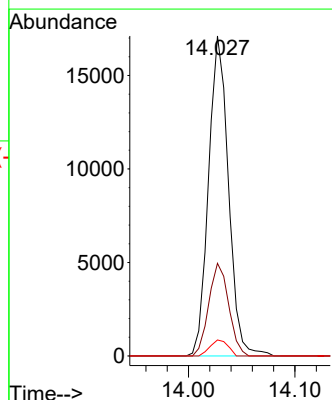
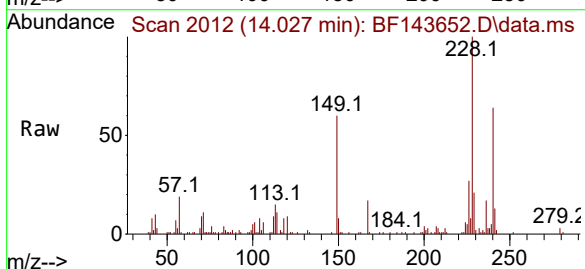
Tgt Ion:149 Resp: 22196

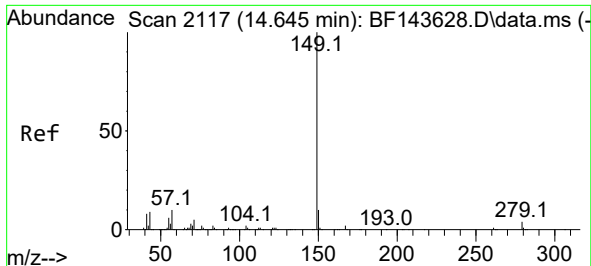
Ion Ratio Lower Upper

149 100

167 29.0 22.1 33.1

279 5.0 3.4 5.2

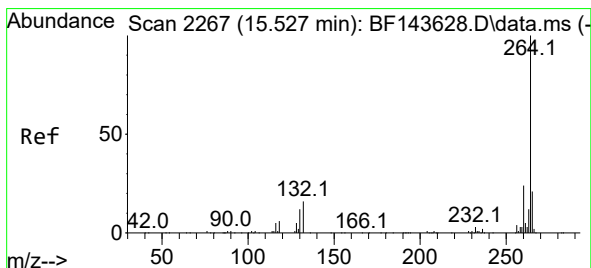
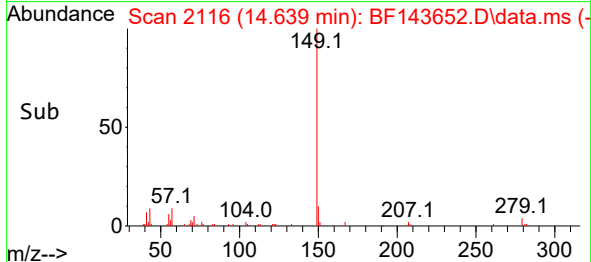
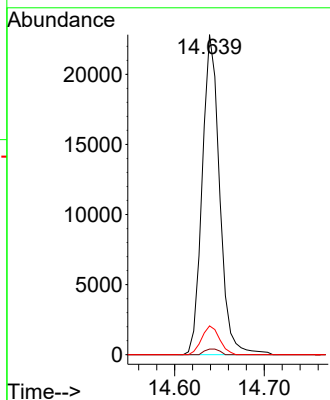
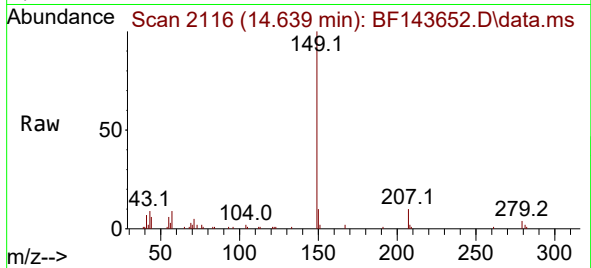




#85
Di-n-octyl phthalate
Concen: 2.543 ng
RT: 14.639 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

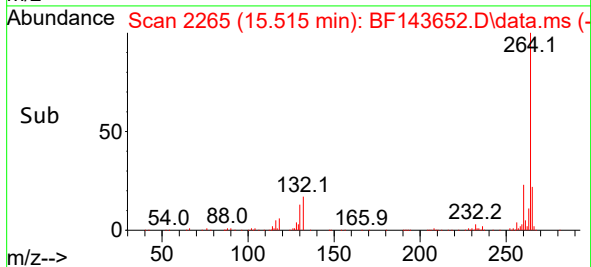
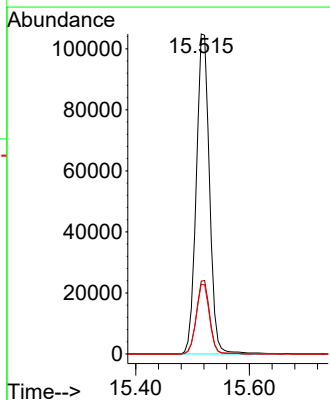
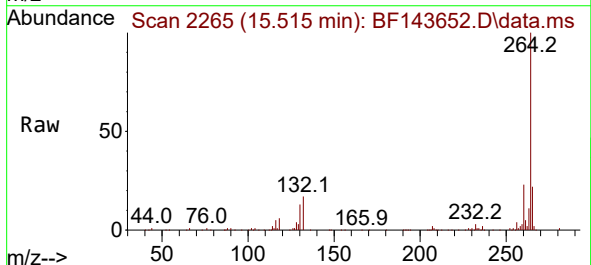
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

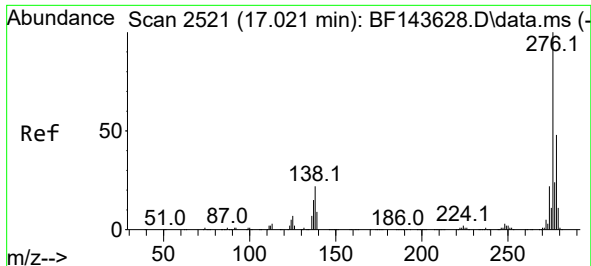
Tgt Ion:149 Resp: 30793
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.2 7.8 11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.012 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:264 Resp: 169814
Ion Ratio Lower Upper
264 100
260 22.7 18.9 28.3
265 21.8 17.1 25.7

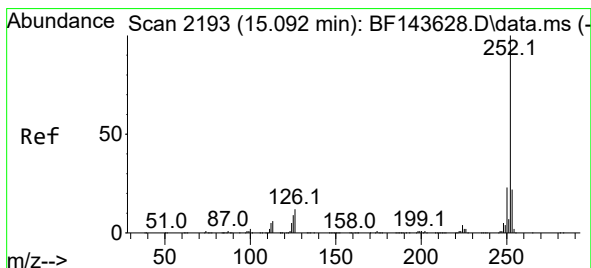
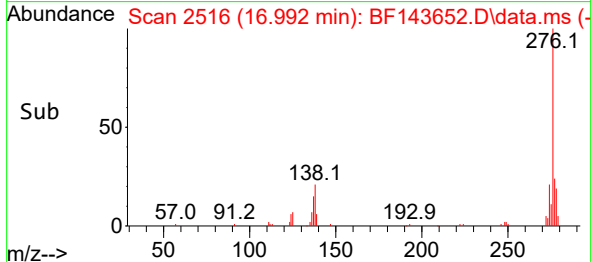
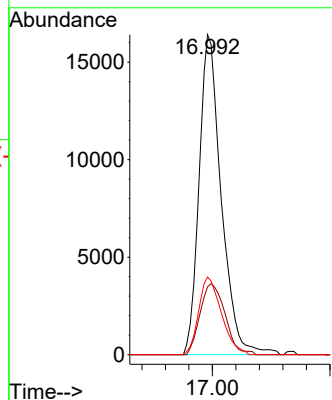
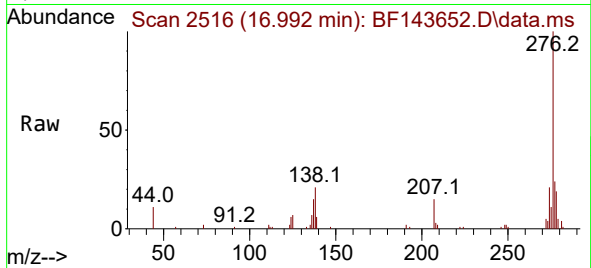




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.629 ng
 RT: 16.992 min Scan# 2191
 Delta R.T. -0.029 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

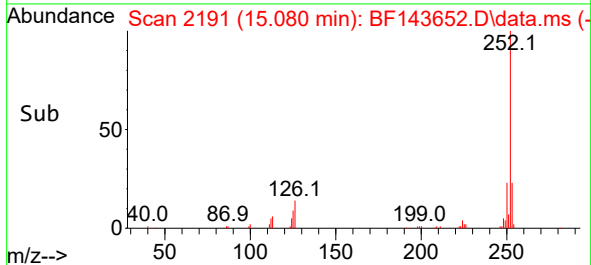
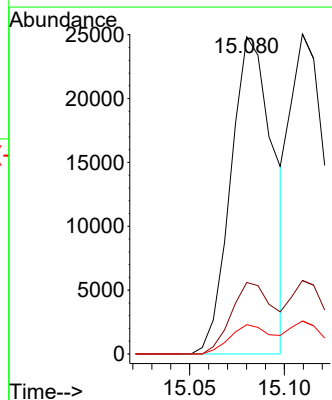
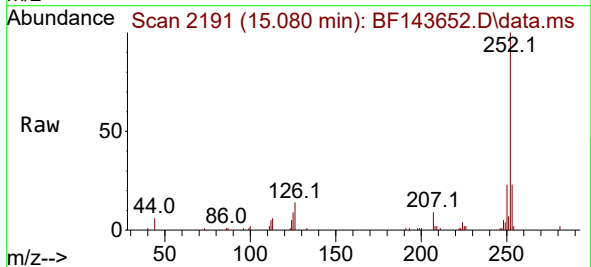
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

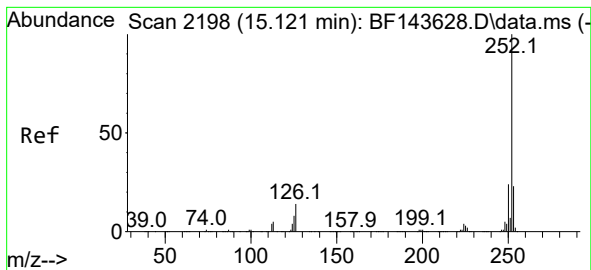
Tgt Ion:276 Resp: 42956
 Ion Ratio Lower Upper
 276 100
 138 24.9 19.8 29.6
 277 24.9 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 3.791 ng
 RT: 15.080 min Scan# 2191
 Delta R.T. -0.012 min
 Lab File: BF143652.D
 Acq: 05 Sep 2025 10:52

Tgt Ion:252 Resp: 38787
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.2 25.8
 125 9.2 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 3.792 ng

RT: 15.110 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2025

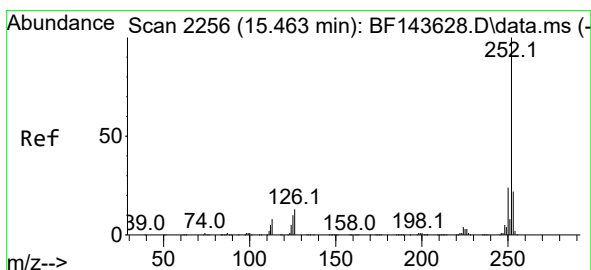
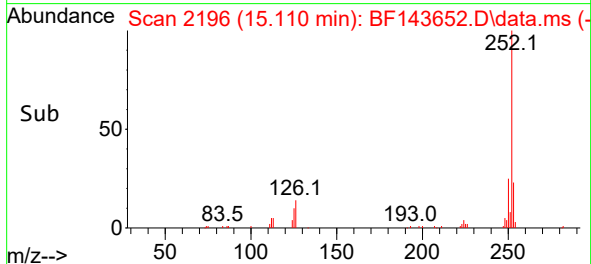
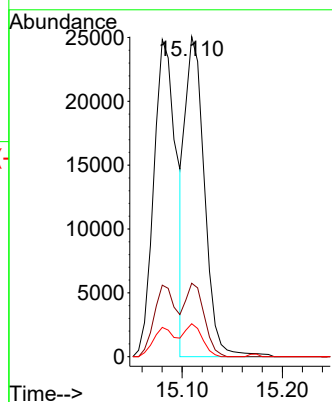
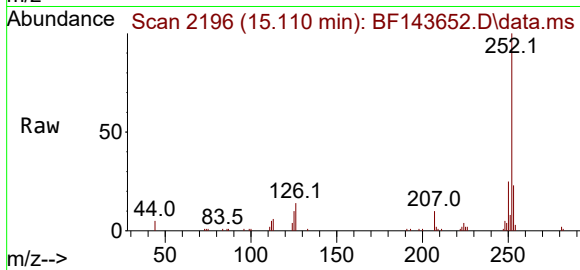
Tgt Ion:252 Resp: 33555

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 10.3 7.3 10.9



#90

Benzo(a)pyrene

Concen: 3.816 ng

RT: 15.451 min Scan# 2254

Delta R.T. -0.012 min

Lab File: BF143652.D

Acq: 05 Sep 2025 10:52

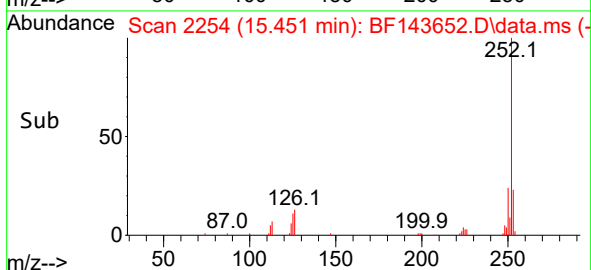
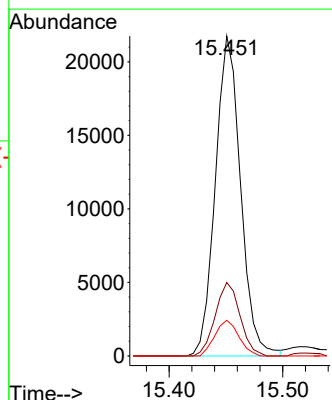
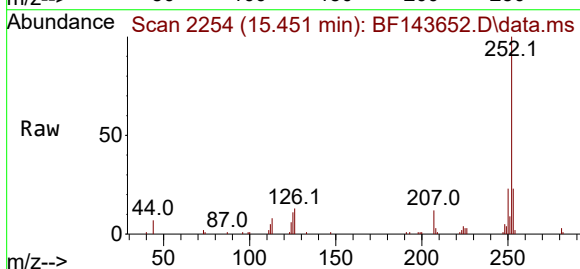
Tgt Ion:252 Resp: 33557

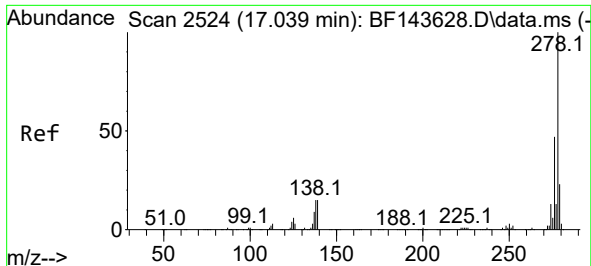
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 11.1 8.3 12.5

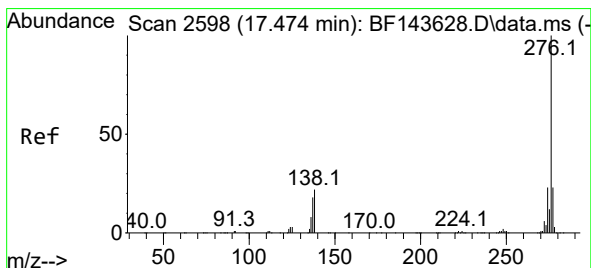
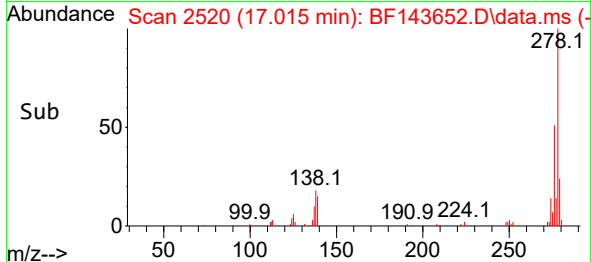
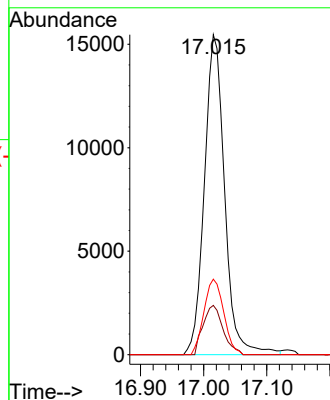
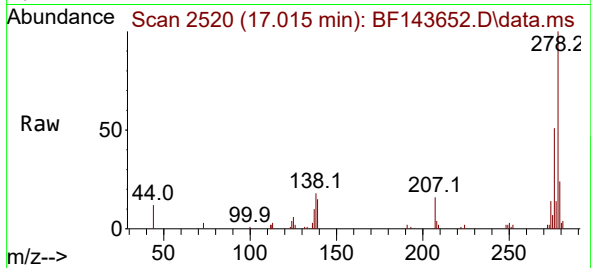




#91
Dibenzo(a,h)anthracene
Concen: 3.541 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2025

Tgt Ion:278 Resp: 34478
Ion Ratio Lower Upper
278 100
139 15.4 12.4 18.6
279 23.6 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 3.612 ng
RT: 17.439 min Scan# 2592
Delta R.T. -0.035 min
Lab File: BF143652.D
Acq: 05 Sep 2025 10:52

Tgt Ion:276 Resp: 33878
Ion Ratio Lower Upper
276 100
277 22.7 18.7 28.1
138 21.6 17.2 25.8

