

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143643.D
 Acq On : 04 Sep 2025 14:43
 Operator : RC/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 04 15:27:14 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	6.893	152	70621	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	267945	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	152883	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	248070	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175661	20.000	ng	0.00
86) Perylene-d12	15.521	264	158699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	488593	122.566	ng	0.00
7) Phenol-d6	6.510	99	611068	123.506	ng	0.00
23) Nitrobenzene-d5	7.451	82	380859	99.902	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	185608	145.182	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	828870	86.618	ng	0.00
79) Terphenyl-d14	12.998	244	889592	84.382	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	7252	3.856	ng	96
3) Pyridine	3.481	79	16602	3.332	ng	99
4) n-Nitrosodimethylamine	3.375	42	7361	3.557	ng	# 99
6) Aniline	6.551	93	27008	3.922	ng	97
8) 2-Chlorophenol	6.675	128	17674	4.281	ng	91
9) Benzaldehyde	6.440	77	14656	3.987	ng	96
10) Phenol	6.522	94	20678	3.812	ng	# 65
11) bis(2-Chloroethyl)ether	6.622	93	15977	3.761	ng	96
12) 1,3-Dichlorobenzene	6.834	146	20425	4.009	ng	98
13) 1,4-Dichlorobenzene	6.910	146	21073	4.124	ng	97
14) 1,2-Dichlorobenzene	7.057	146	19219	3.974	ng	97
15) Benzyl Alcohol	7.022	79	13595	3.616	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	24801	3.709	ng	99
17) 2-Methylphenol	7.128	107	13705	3.797	ng	99
18) Hexachloroethane	7.404	117	6158	3.863	ng	94
19) n-Nitroso-di-n-propyla...	7.293	70	12010	3.812	ng	94
20) 3+4-Methylphenols	7.281	107	17949	3.950	ng	# 89
22) Acetophenone	7.293	105	25583	4.222	ng	94
24) Nitrobenzene	7.463	77	18254	4.478	ng	98
25) Isophorone	7.698	82	33014	3.843	ng	99
26) 2-Nitrophenol	7.781	139	6103	7.053	ng	98
27) 2,4-Dimethylphenol	7.810	122	16289	4.355	ng	97
28) bis(2-Chloroethoxy)met...	7.916	93	20171	3.841	ng	98
29) 2,4-Dichlorophenol	8.016	162	14794	4.031	ng	96
30) 1,2,4-Trichlorobenzene	8.110	180	17144	4.286	ng	99
31) Naphthalene	8.192	128	51928	3.962	ng	99
32) Benzoic acid	7.845	122	4062	9.030	ng	95
33) 4-Chloroaniline	8.234	127	20303	4.474	ng	99
34) Hexachlorobutadiene	8.310	225	10081	3.875	ng	97
35) Caprolactam	8.557	113	3636	3.697	ng	# 87
36) 4-Chloro-3-methylphenol	8.704	107	14723	3.831	ng	97
37) 2-Methylnaphthalene	8.881	142	31938	3.603	ng	98
38) 1-Methylnaphthalene	8.981	142	33215	3.919	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	17408	4.120	ng	97
41) Hexachlorocyclopentadiene	9.034	237	9851	4.801	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	10508	4.037	ng	99

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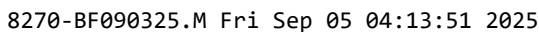
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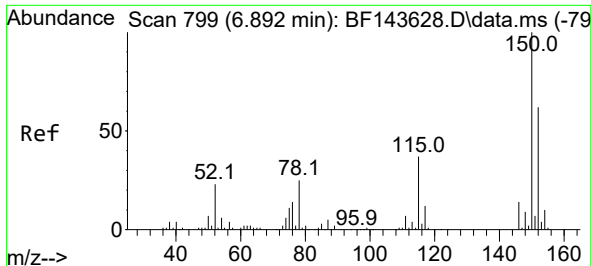
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	11461	4.265	ng	96
46) 1,1'-Biphenyl	9.345	154	44822	4.122	ng	99
47) 2-Chloronaphthalene	9.369	162	33801	3.972	ng	99
48) 2-Nitroaniline	9.457	65	7421	6.178	ng	97
49) Acenaphthylene	9.786	152	54011	4.404	ng	98
50) Dimethylphthalate	9.639	163	38037	3.929	ng	# 99
51) 2,6-Dinitrotoluene	9.698	165	6714	7.302	ng	99
52) Acenaphthene	9.957	154	31773	3.873	ng	98
53) 3-Nitroaniline	9.863	138	7312	6.531	ng	96
54) 2,4-Dinitrophenol	9.969	184	1232	8.371	ng	# 1
55) Dibenzofuran	10.128	168	48459	4.066	ng	99
56) 4-Nitrophenol	10.004	139	4835	3.369	ng	100
57) 2,4-Dinitrotoluene	10.098	165	7361	6.707	ng	92
58) Fluorene	10.469	166	38381	4.164	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	8644	4.235	ng	# 98
60) Diethylphthalate	10.339	149	35760	3.891	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	18816	4.091	ng	99
62) 4-Nitroaniline	10.469	138	6487	6.020	ng	99
63) Azobenzene	10.628	77	33398	3.855	ng	97
65) 4,6-Dinitro-2-methylph...	10.504	198	2376	10.393	ng	94
66) n-Nitrosodiphenylamine	10.581	169	32399	4.046	ng	96
67) 4-Bromophenyl-phenylether	10.957	248	12129	4.216	ng	92
68) Hexachlorobenzene	11.016	284	12194	4.035	ng	98
69) Atrazine	11.098	200	9050	3.781	ng	98
70) Pentachlorophenol	11.210	266	5070	2.986	ng	95
71) Phenanthrene	11.433	178	54980	4.099	ng	99
72) Anthracene	11.486	178	55229	4.105	ng	100
73) Carbazole	11.633	167	46412	4.093	ng	98
74) Di-n-butylphthalate	11.975	149	48362	3.798	ng	98
75) Fluoranthene	12.622	202	50966	4.137	ng	99
77) Benzidine	12.739	184	19897	4.951	ng	97
78) Pyrene	12.851	202	52617	3.630	ng	99
80) Butylbenzylphthalate	13.469	149	12411	5.802	ng	96
81) Benzo(a)anthracene	14.033	228	42019	3.693	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	11049	3.562	ng	99
83) Chrysene	14.069	228	40343	3.945	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	17783	5.475	ng	98
85) Di-n-octyl phthalate	14.645	149	26589	2.551	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	38310	3.463	ng	97
88) Benzo(b)fluoranthene	15.086	252	32035	3.350	ng	99
89) Benzo(k)fluoranthene	15.116	252	35072	4.241	ng	99
90) Benzo(a)pyrene	15.457	252	30076	3.659	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	31803	3.495	ng	98
92) Benzo(g,h,i)perylene	17.451	276	31528	3.597	ng	98

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

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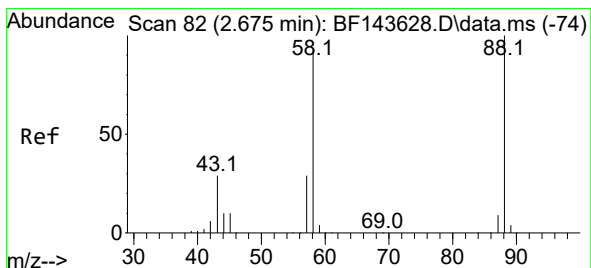
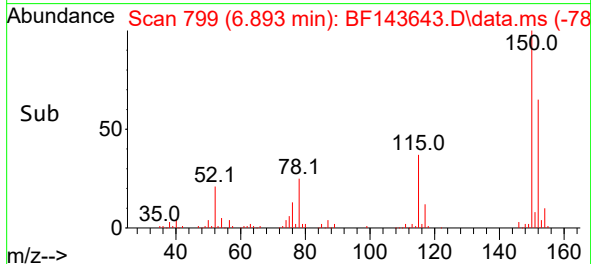
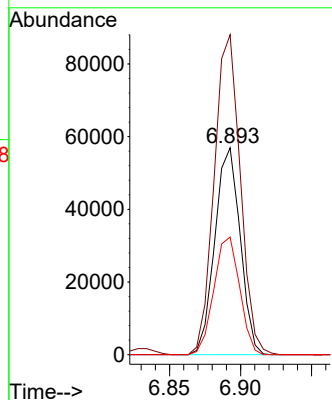
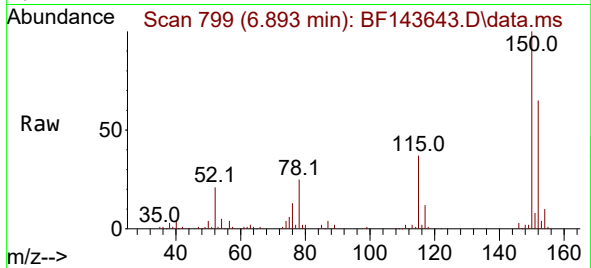




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 799
 Delta R.T. 0.001 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

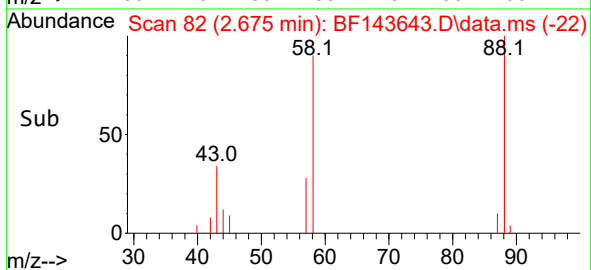
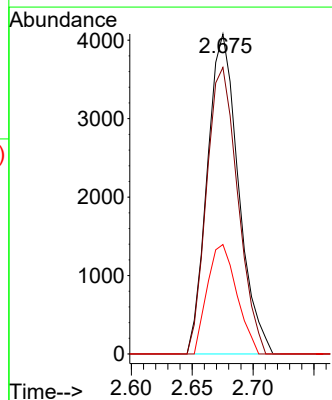
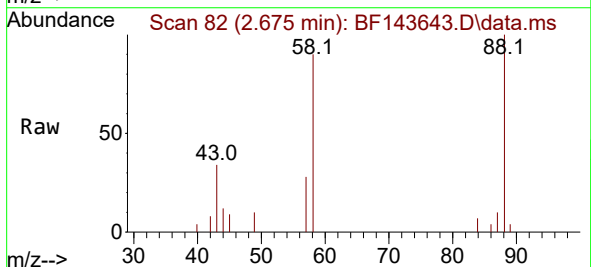
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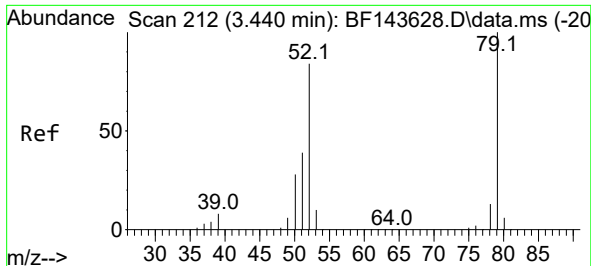
Tgt Ion:152 Resp: 70621
 Ion Ratio Lower Upper
 152 100
 150 154.7 128.4 192.6
 115 56.9 47.9 71.9



#2
 1,4-Dioxane
 Concen: 3.856 ng
 RT: 2.675 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

Tgt Ion: 88 Resp: 7252
 Ion Ratio Lower Upper
 88 100
 58 89.6 73.9 110.9
 43 32.3 23.4 35.2

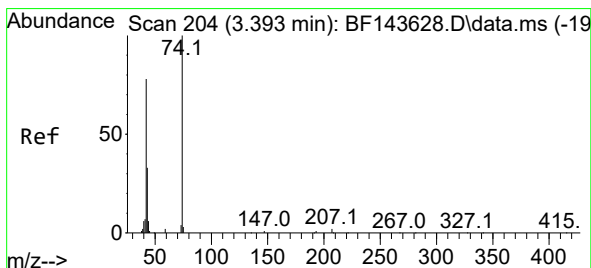
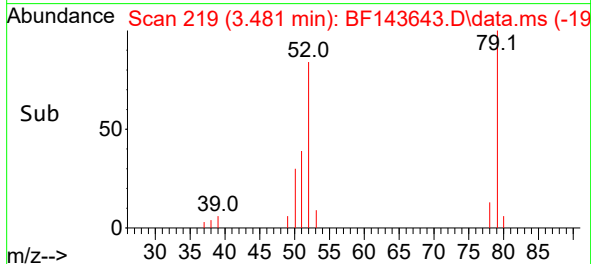
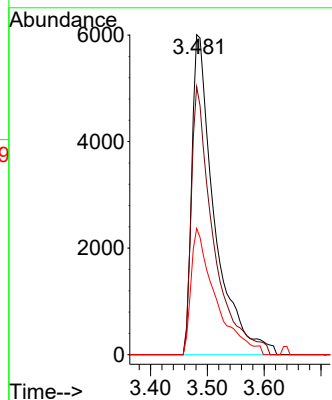
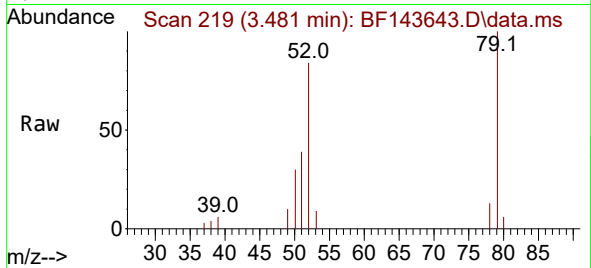




#3
Pyridine
Concen: 3.332 ng
RT: 3.481 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

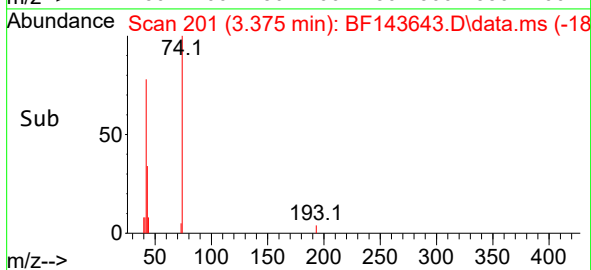
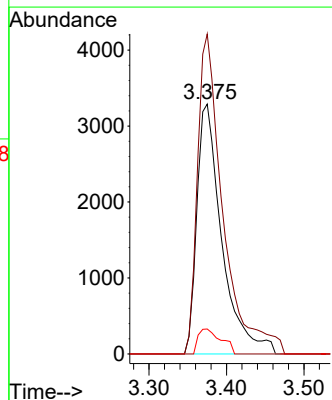
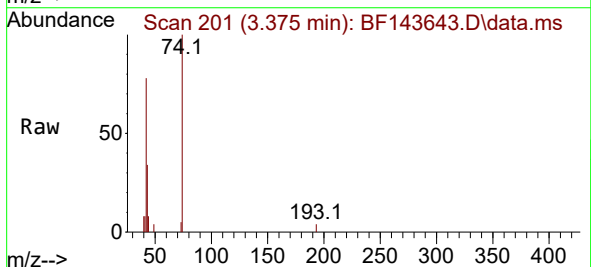
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

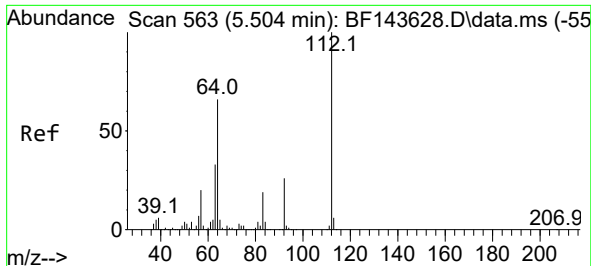
Tgt Ion: 79 Resp: 16602
Ion Ratio Lower Upper
79 100
52 83.7 67.4 101.2
51 39.4 31.0 46.6



#4
n-Nitrosodimethylamine
Concen: 3.557 ng
RT: 3.375 min Scan# 201
Delta R.T. -0.018 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion: 42 Resp: 7361
Ion Ratio Lower Upper
42 100
74 128.0 102.9 154.3
44 10.0 6.5 9.7#

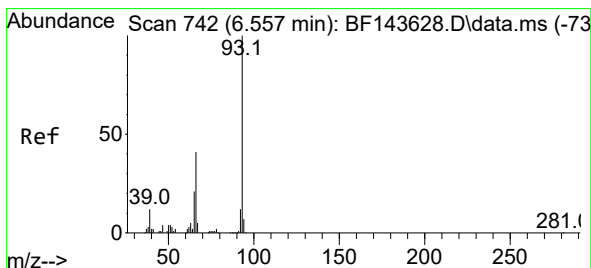
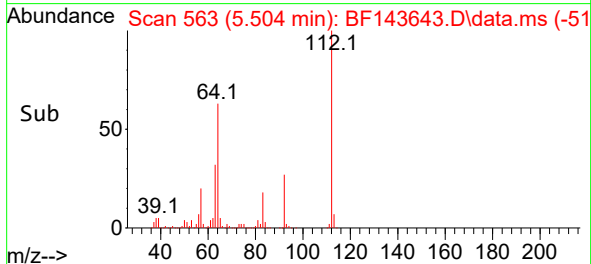
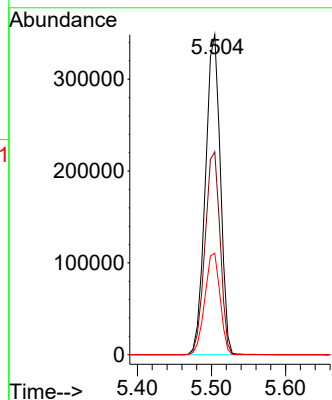
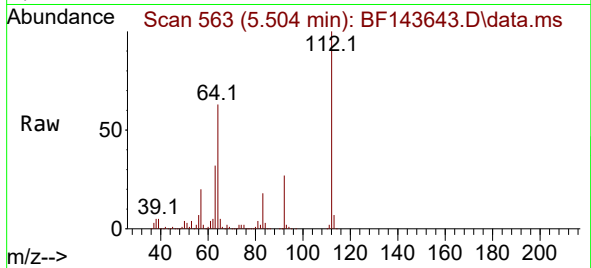




#5
2-Fluorophenol
Concen: 122.566 ng
RT: 5.504 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

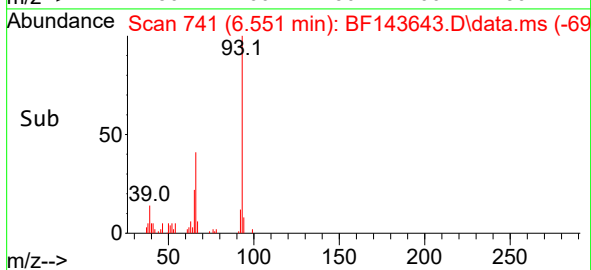
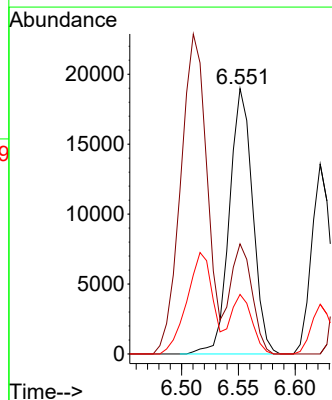
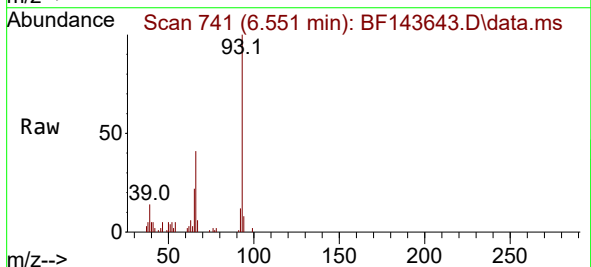
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ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

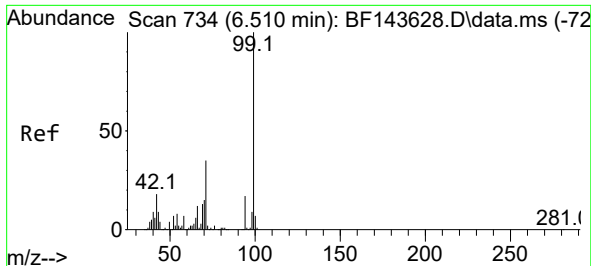
Tgt Ion:112 Resp: 488593
Ion Ratio Lower Upper
112 100
64 63.4 52.7 79.1
63 31.7 26.5 39.7



#6
Aniline
Concen: 3.922 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion: 93 Resp: 27008
Ion Ratio Lower Upper
93 100
66 41.5 34.6 51.8
65 22.4 16.9 25.3

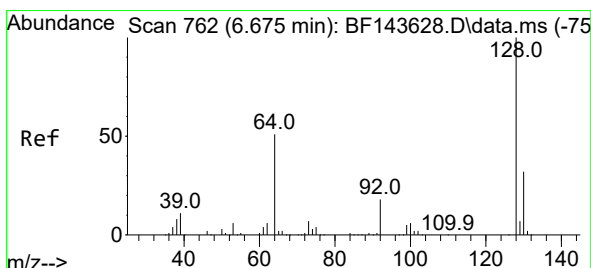
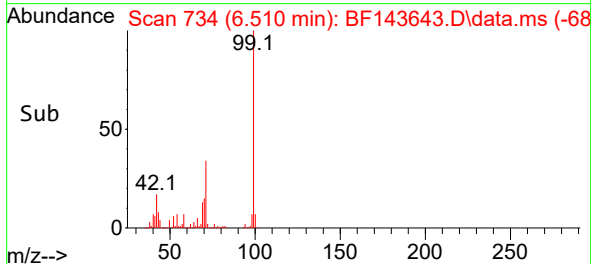
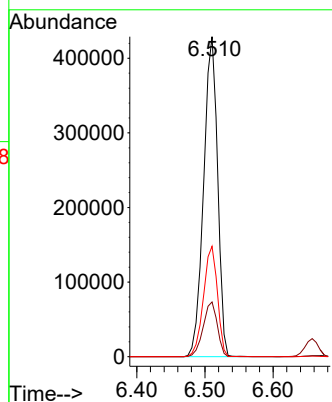
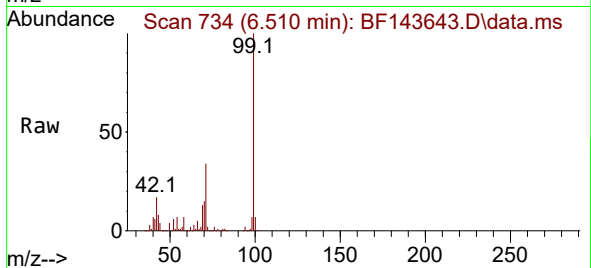




#7
Phenol-d6
Concen: 123.506 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

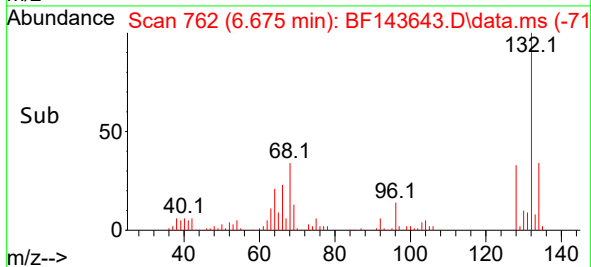
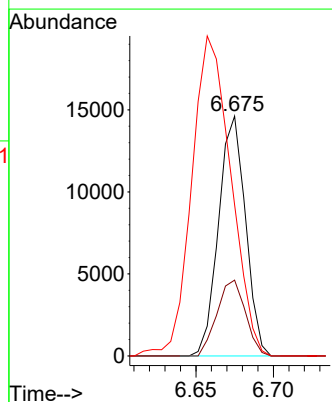
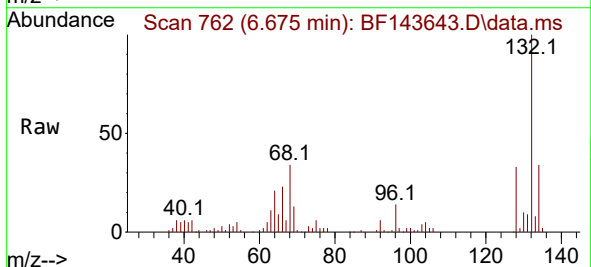
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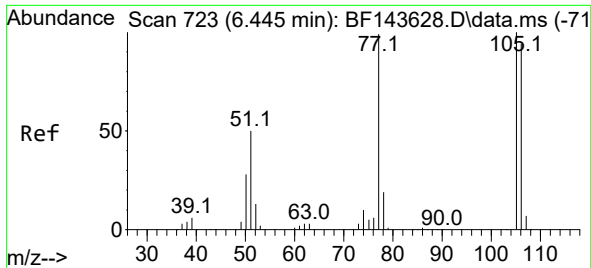
Tgt Ion: 99 Resp: 611068
Ion Ratio Lower Upper
99 100
42 17.1 14.6 22.0
71 34.5 28.0 42.0



#8
2-Chlorophenol
Concen: 4.281 ng
RT: 6.675 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:128 Resp: 17674
Ion Ratio Lower Upper
128 100
130 31.6 12.3 52.3
64 63.0 32.9 72.9

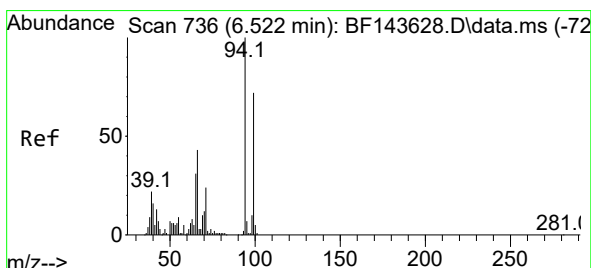
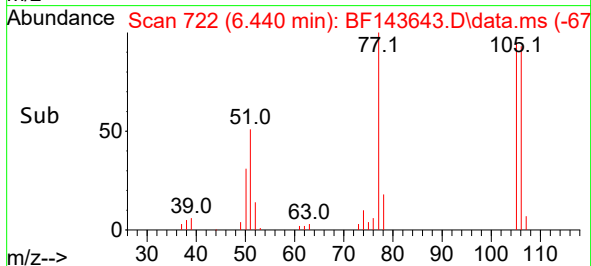
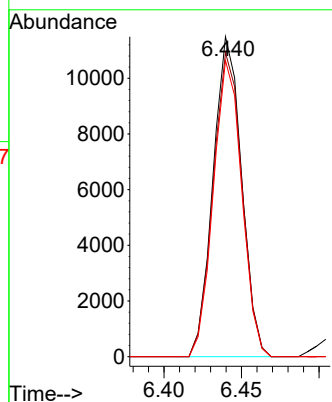
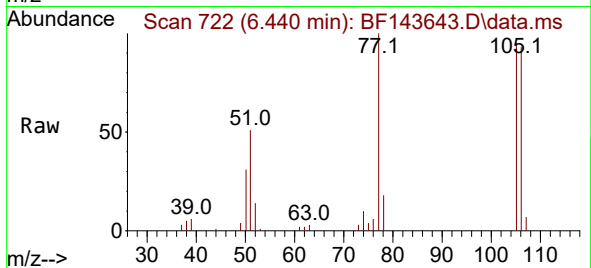




#9
Benzaldehyde
Concen: 3.987 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF143643.D
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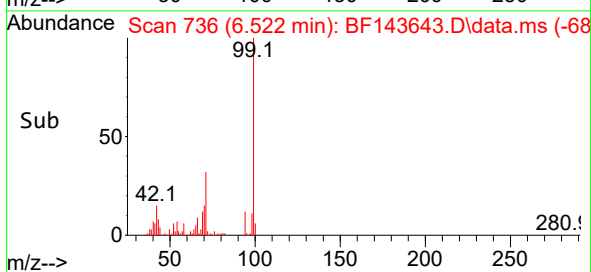
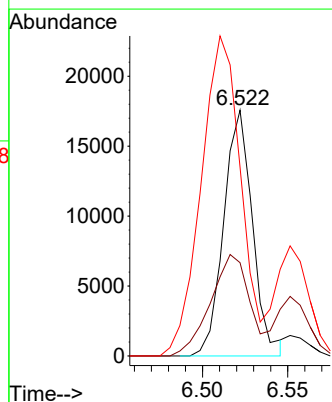
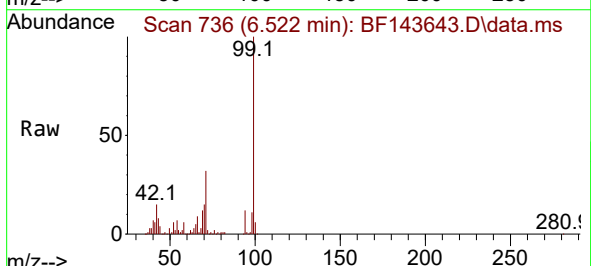
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BNA_F
ClientSampleId :
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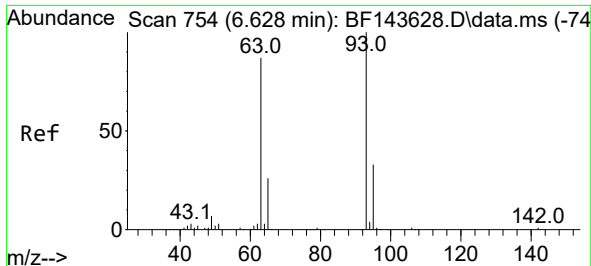
Tgt Ion: 77 Resp: 14656
Ion Ratio Lower Upper
77 100
105 95.0 80.9 120.9
106 92.5 75.1 115.1



#10
Phenol
Concen: 3.812 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF143643.D
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Tgt Ion: 94 Resp: 20678
Ion Ratio Lower Upper
94 100
65 38.0 11.4 51.4
66 76.8 23.7 63.7#

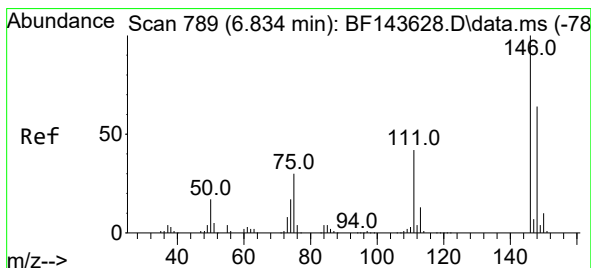
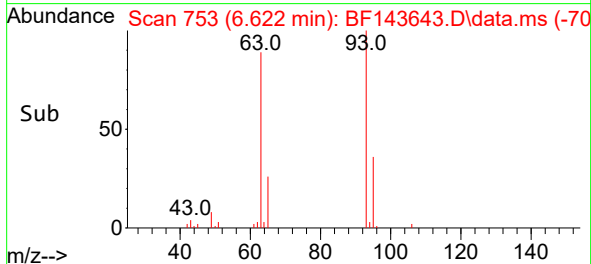
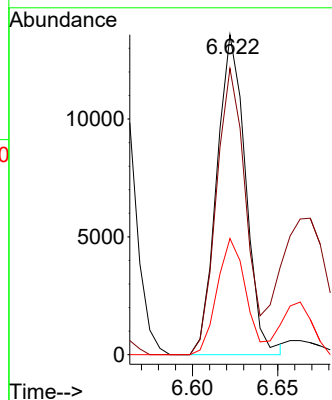
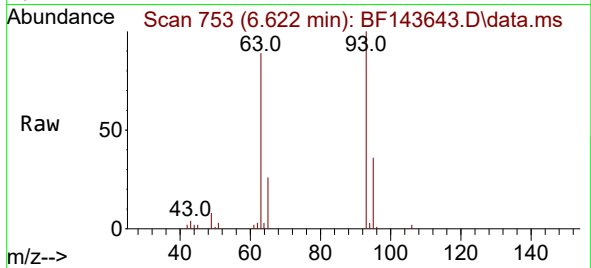




#11
bis(2-Chloroethyl)ether
Concen: 3.761 ng
RT: 6.622 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

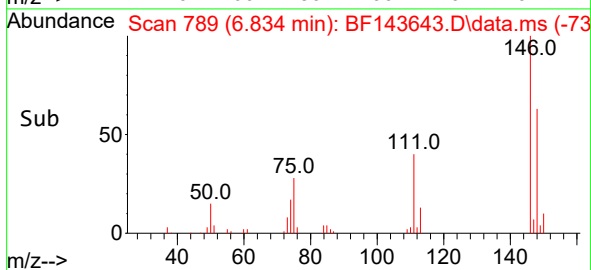
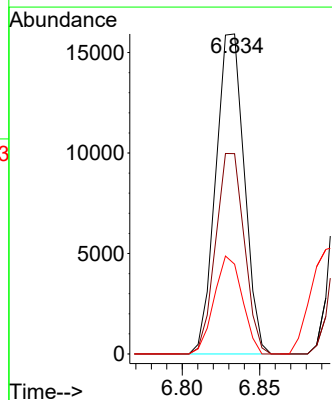
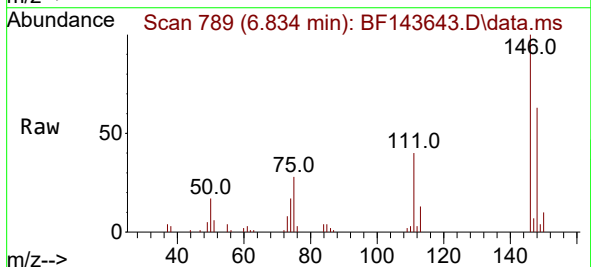
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

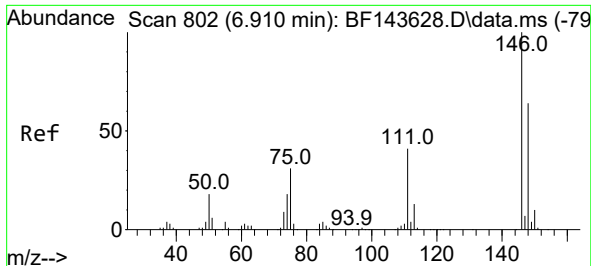
Tgt Ion: 93 Resp: 15977
Ion Ratio Lower Upper
93 100
63 89.5 66.5 106.5
95 36.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 4.009 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion: 146 Resp: 20425
Ion Ratio Lower Upper
146 100
148 62.6 50.9 76.3
75 28.1 24.2 36.2





#13

1,4-Dichlorobenzene

Concen: 4.124 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

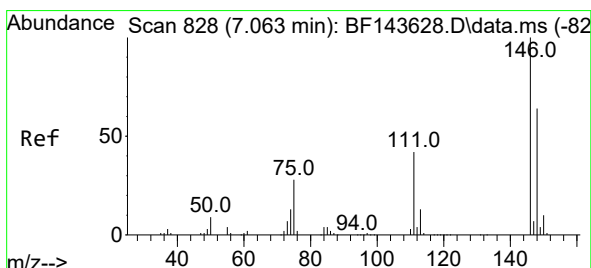
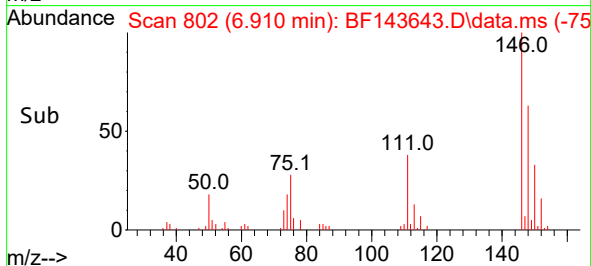
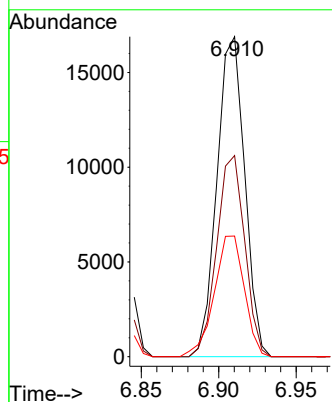
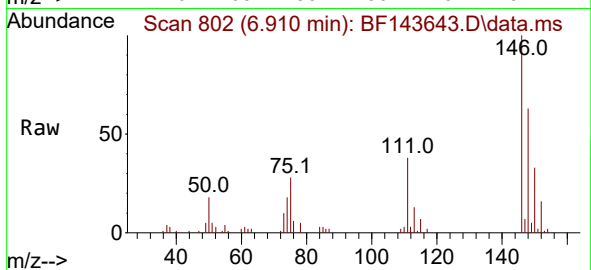
Tgt Ion:146 Resp: 21073

Ion Ratio Lower Upper

146 100

148 62.8 51.4 77.2

111 37.7 33.1 49.7



#14

1,2-Dichlorobenzene

Concen: 3.974 ng

RT: 7.057 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

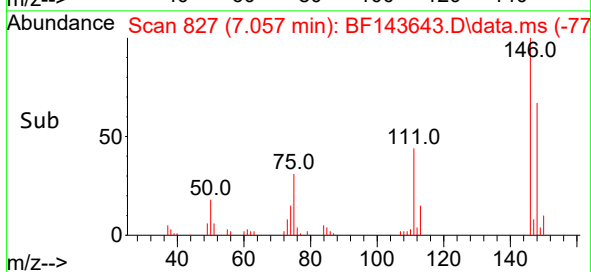
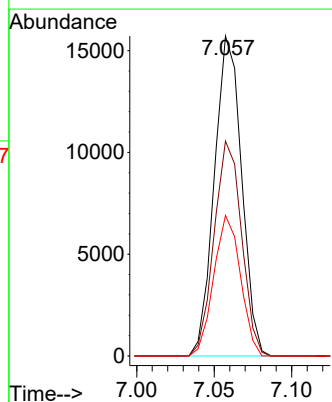
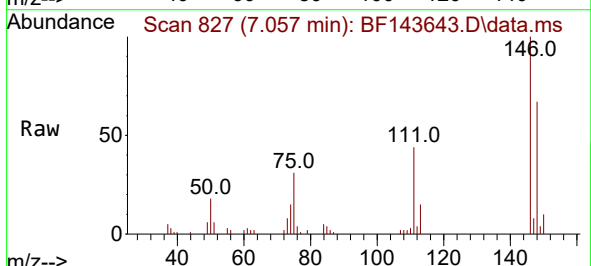
Tgt Ion:146 Resp: 19219

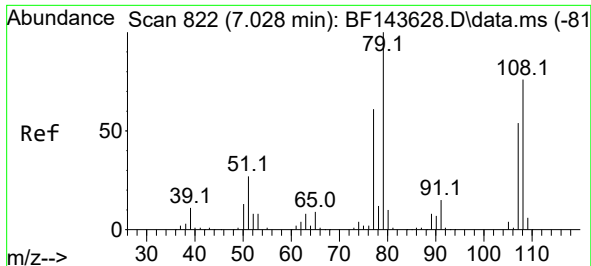
Ion Ratio Lower Upper

146 100

148 67.2 51.2 76.8

111 43.9 33.9 50.9



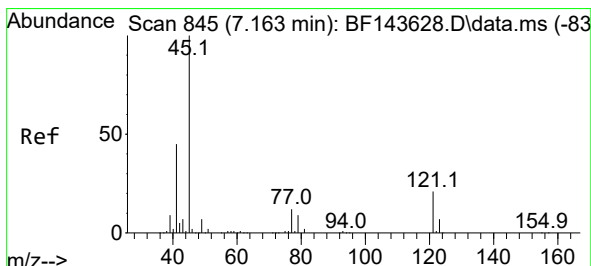
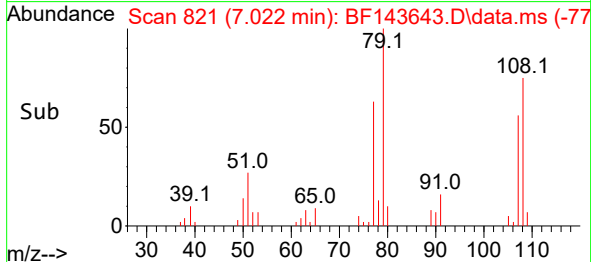
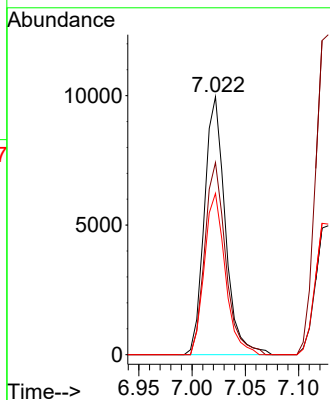
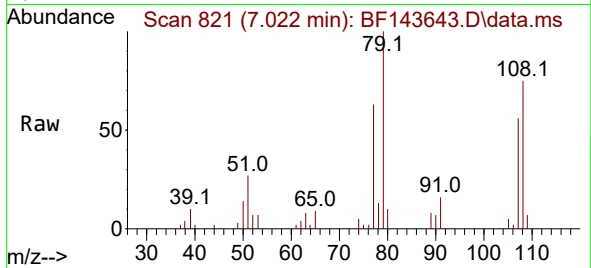


#15
Benzyl Alcohol
Concen: 3.616 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 79 Resp: 13595

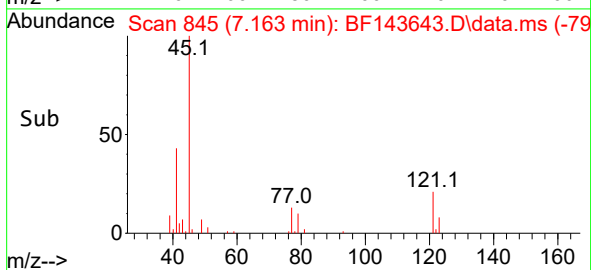
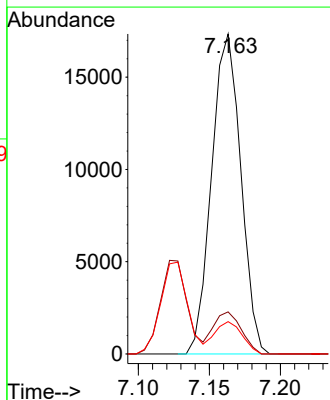
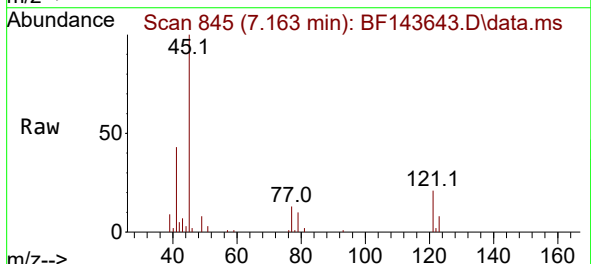
Ion	Ratio	Lower	Upper
79	100		
108	74.5	60.9	91.3
77	62.5	48.4	72.6

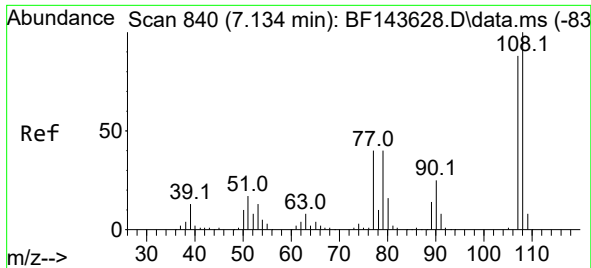


#16
2,2'-oxybis(1-chloropropane)
Concen: 3.709 ng
RT: 7.163 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion: 45 Resp: 24801

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.5
79	10.1	0.0	29.8

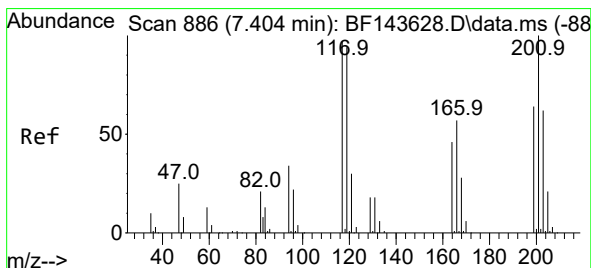
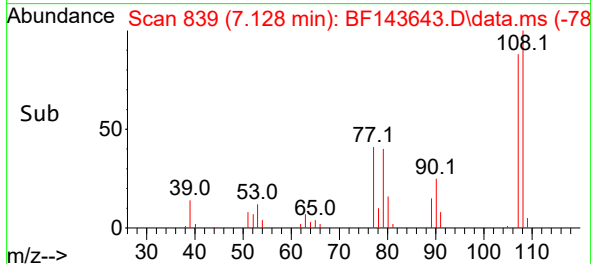
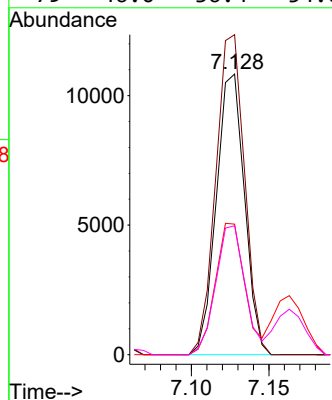
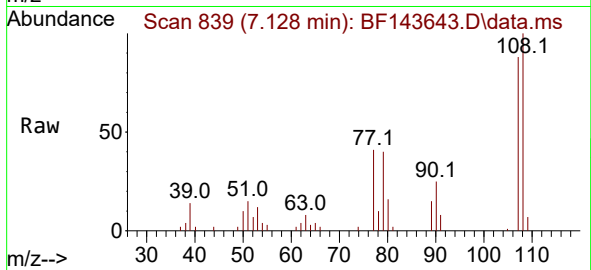




#17
2-Methylphenol
Concen: 3.797 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

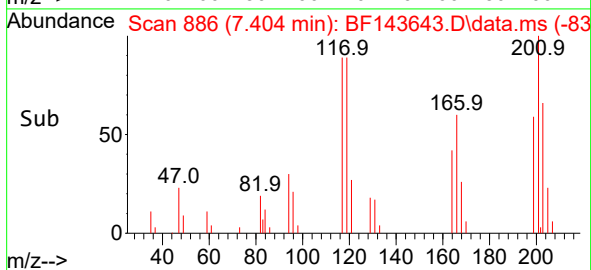
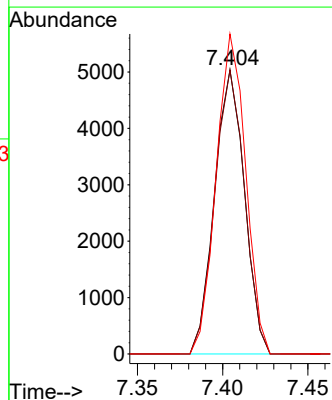
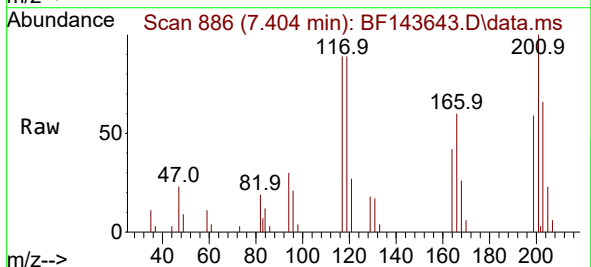
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

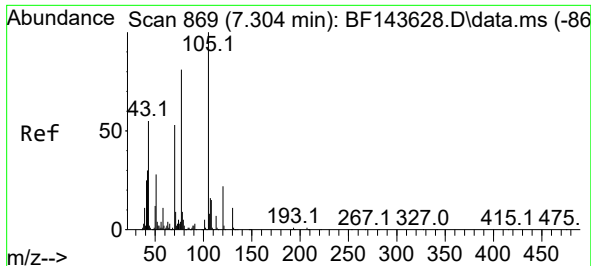
Tgt Ion:	107	Resp:	13705
Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.5	135.7
77	46.6	35.9	53.9
79	46.0	36.4	54.6



#18
Hexachloroethane
Concen: 3.863 ng
RT: 7.404 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:	117	Resp:	6158
Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.7	116.5
201	112.6	82.7	124.1

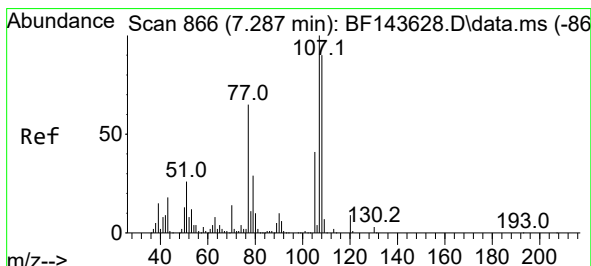
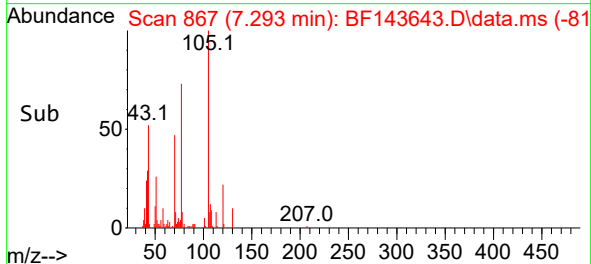
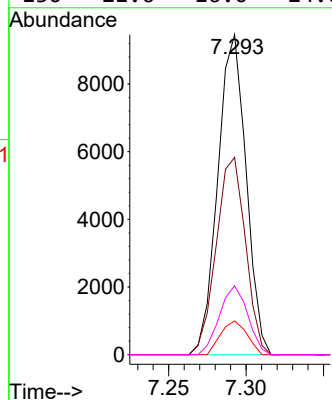
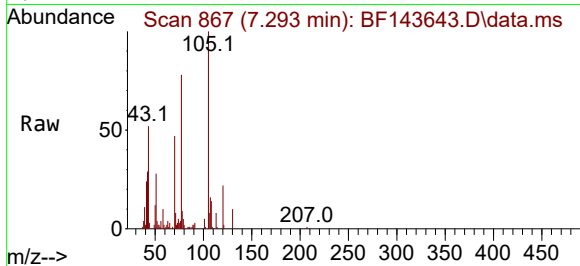




#19
n-Nitroso-di-n-propylamine
Concen: 3.812 ng
RT: 7.293 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

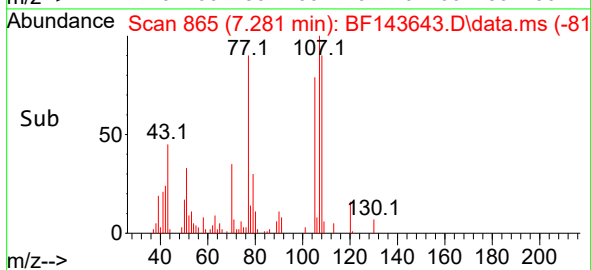
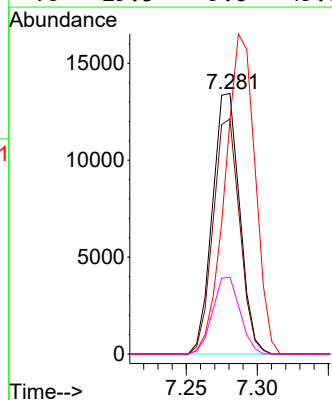
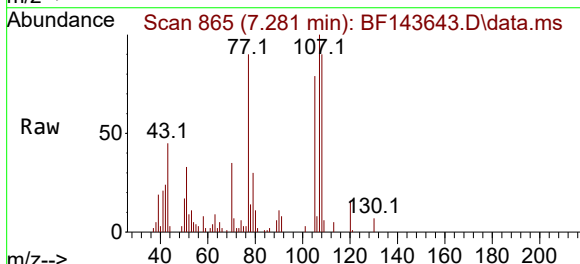
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

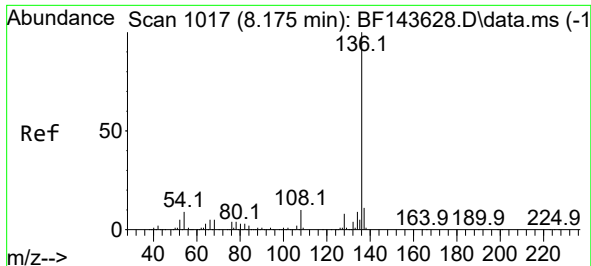
Tgt Ion:	70	Resp:	12010
Ion	Ratio	Lower	Upper
70	100		
42	61.6	45.2	67.8
101	10.6	7.6	11.4
130	21.6	16.0	24.0



#20
3+4-Methylphenols
Concen: 3.950 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:	107	Resp:	17949
Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	89.9	45.5	85.5#
79	29.5	9.0	49.0

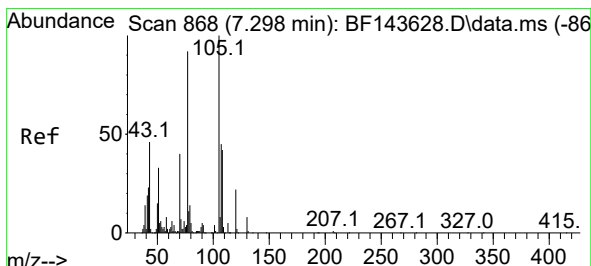
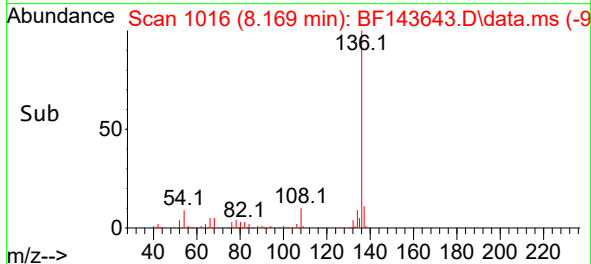
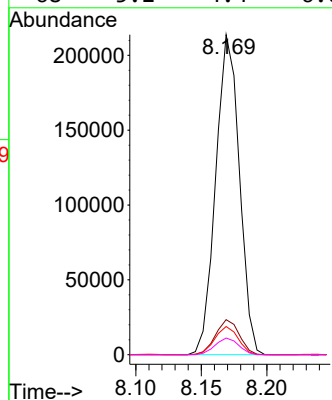
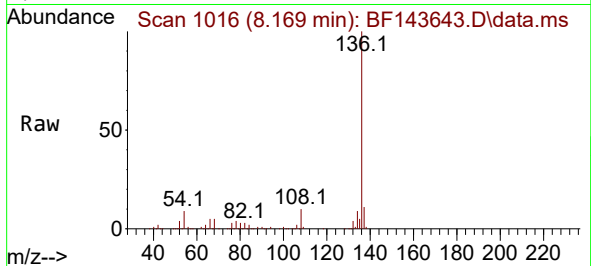




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

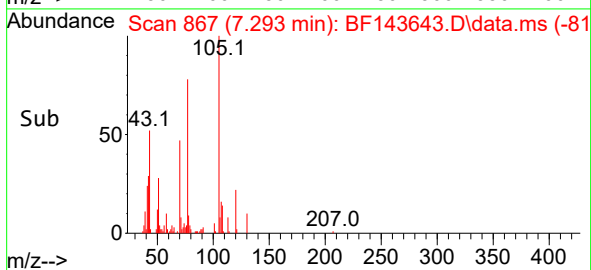
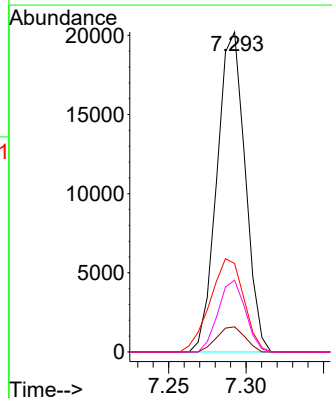
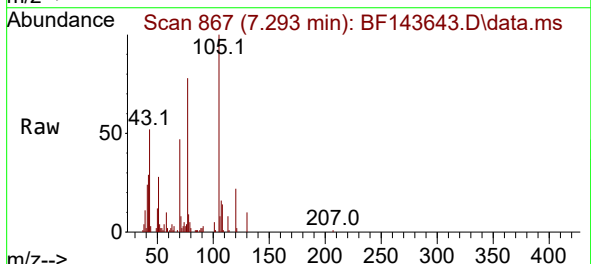
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

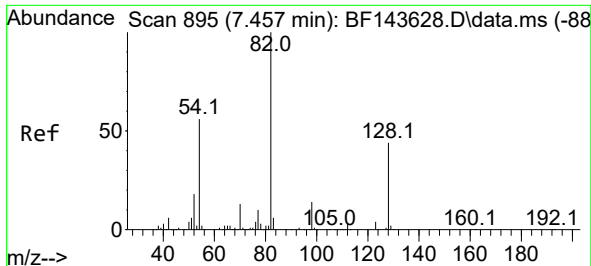
Tgt Ion	136	Resp:	267945
	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.8	7.3	10.9
68	5.2	4.4	6.6



#22
Acetophenone
Concen: 4.222 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt	Ion:105	Resp:	25583
Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.3	7.9
51	27.7	26.7	40.1
120	22.5	17.5	26.3

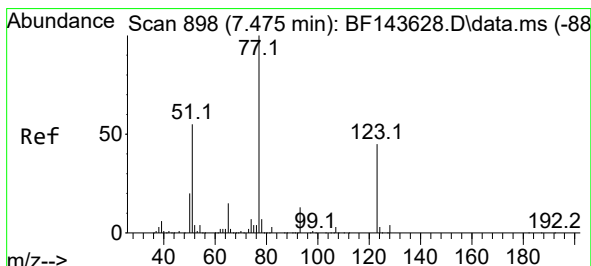
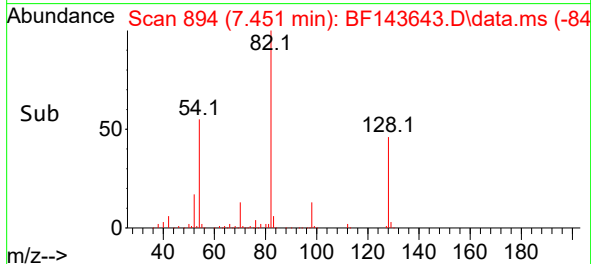
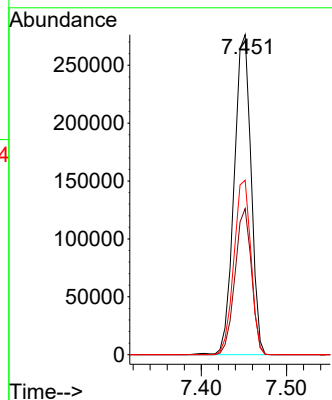
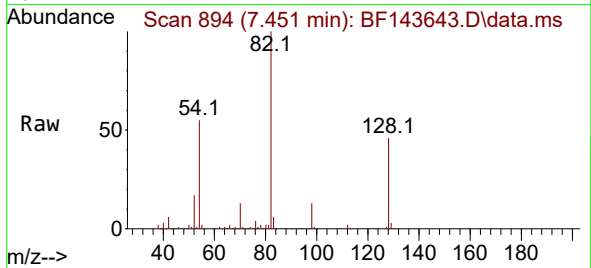




#23
Nitrobenzene-d5
Concen: 99.902 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

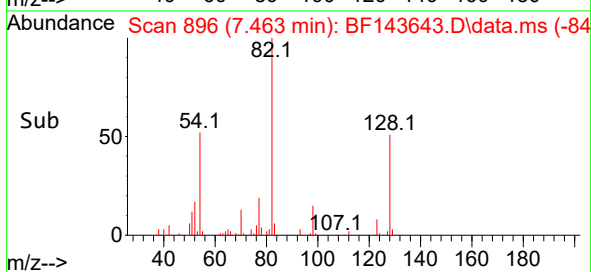
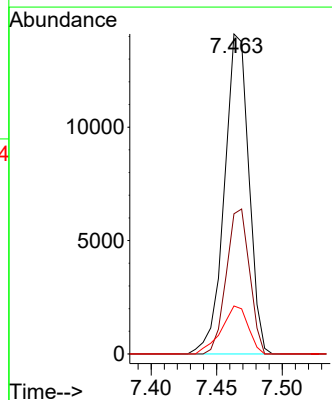
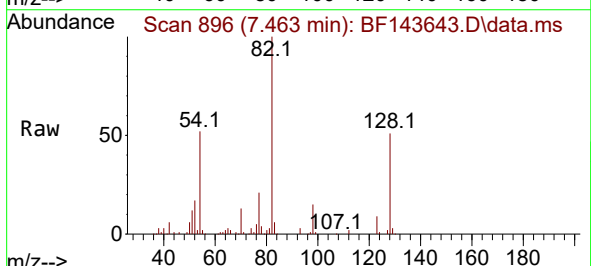
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

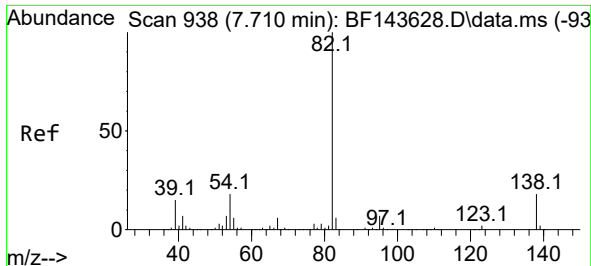
Tgt Ion: 82 Resp: 380859
Ion Ratio Lower Upper
82 100
128 45.7 34.7 52.1
54 54.5 44.8 67.2



#24
Nitrobenzene
Concen: 4.478 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion: 77 Resp: 18254
Ion Ratio Lower Upper
77 100
123 43.8 36.2 54.4
65 15.0 11.8 17.8

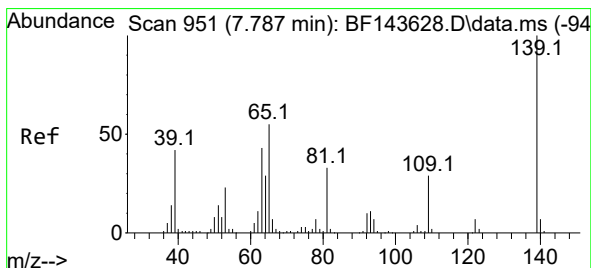
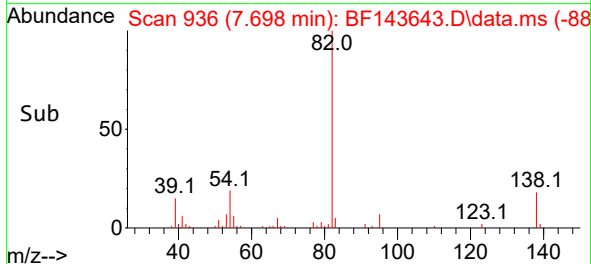
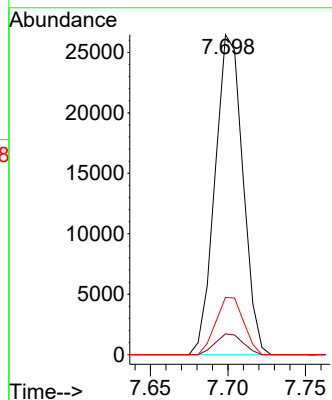
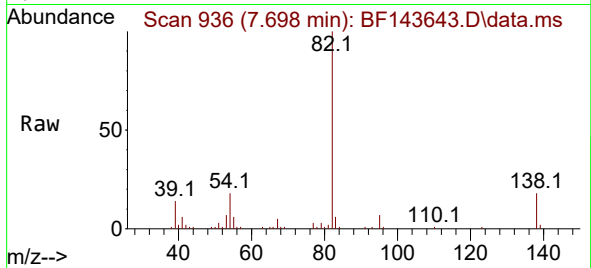




#25
Isophorone
Concen: 3.843 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

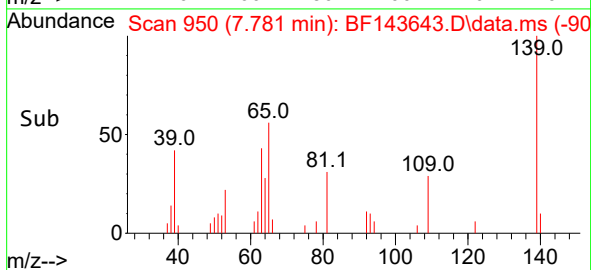
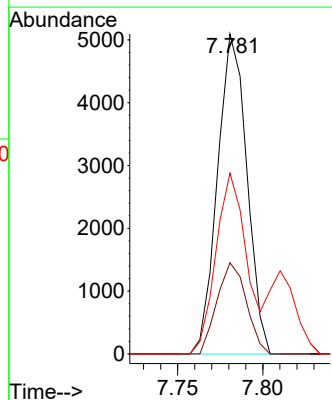
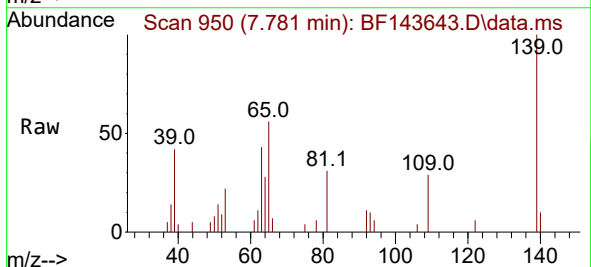
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

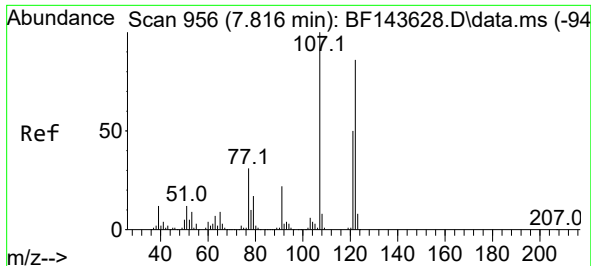
Tgt Ion: 82 Resp: 33014
Ion Ratio Lower Upper
82 100
95 6.5 5.8 8.8
138 17.9 14.2 21.2



#26
2-Nitrophenol
Concen: 7.053 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:139 Resp: 6103
Ion Ratio Lower Upper
139 100
109 28.5 23.5 35.3
65 56.5 44.1 66.1





#27

2,4-Dimethylphenol

Concen: 4.355 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143643.D

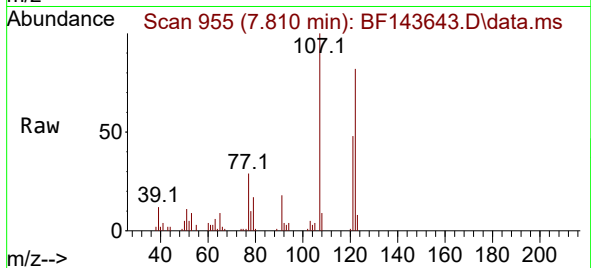
Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



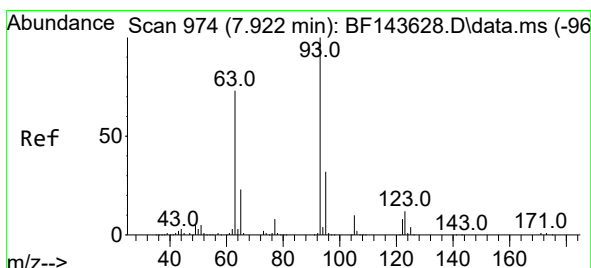
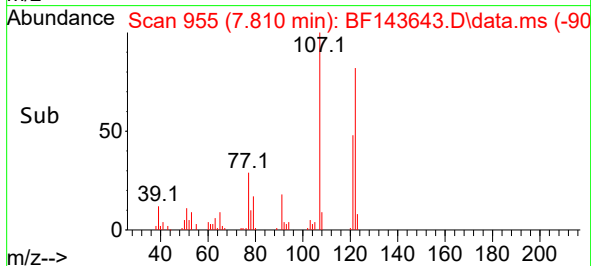
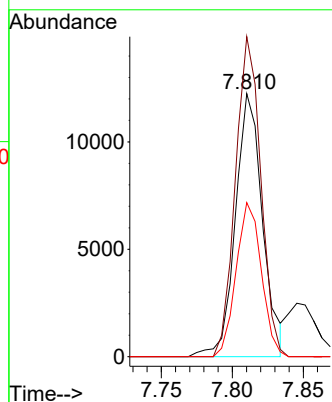
Tgt Ion:122 Resp: 16289

Ion Ratio Lower Upper

122 100

107 121.7 93.4 140.0

121 58.6 46.9 70.3



#28

bis(2-Chloroethoxy)methane

Concen: 3.841 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

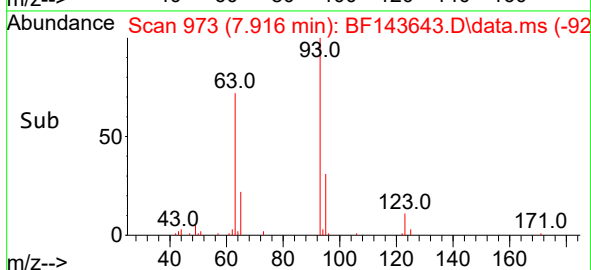
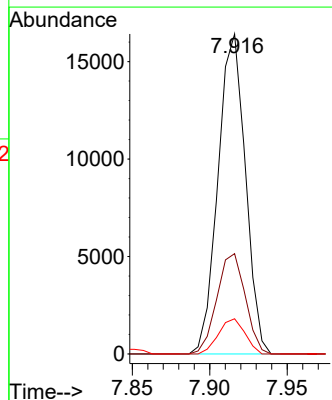
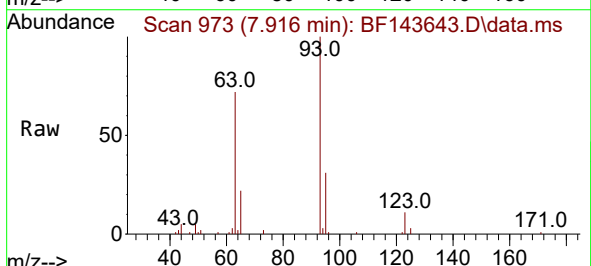
Tgt Ion: 93 Resp: 20171

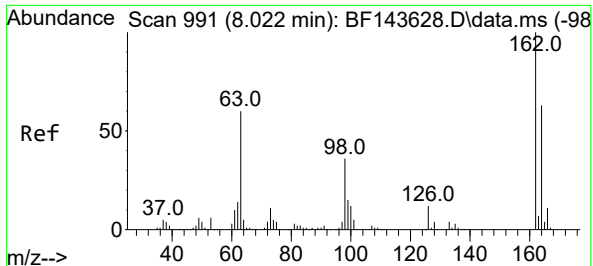
Ion Ratio Lower Upper

93 100

95 31.4 25.8 38.8

123 11.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 4.031 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

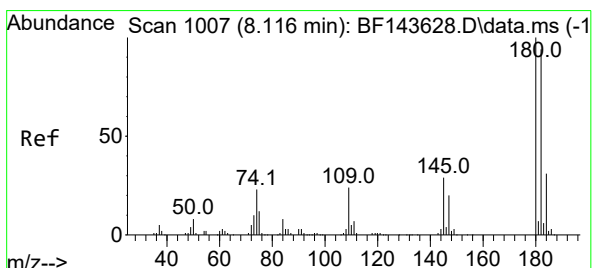
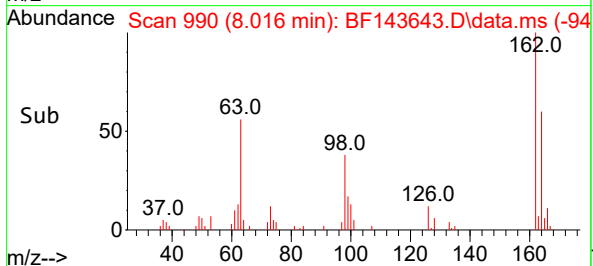
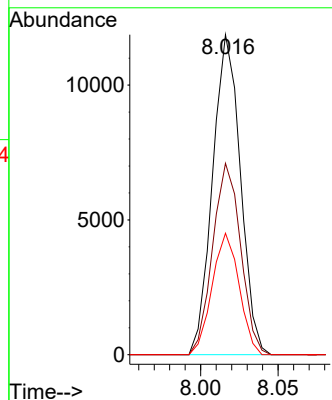
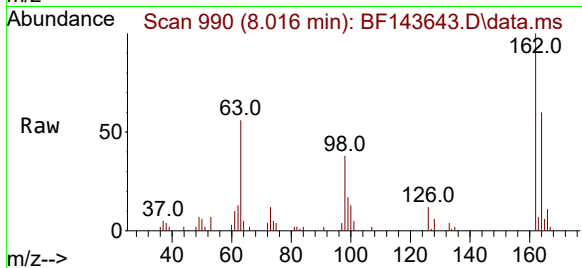
Tgt Ion:162 Resp: 14794

Ion Ratio Lower Upper

162 100

164 59.8 42.9 82.9

98 37.9 15.9 55.9



#30

1,2,4-Trichlorobenzene

Concen: 4.286 ng

RT: 8.110 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

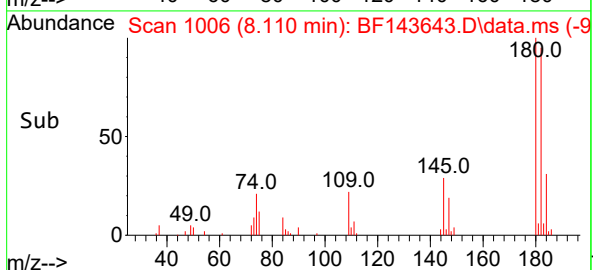
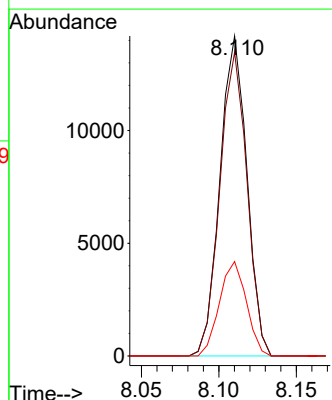
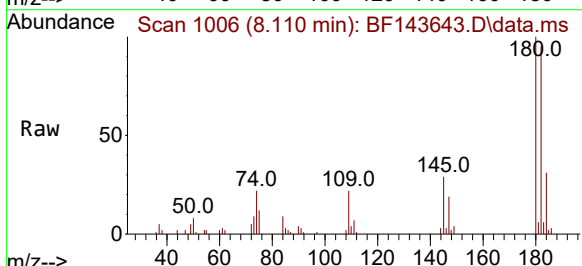
Tgt Ion:180 Resp: 17144

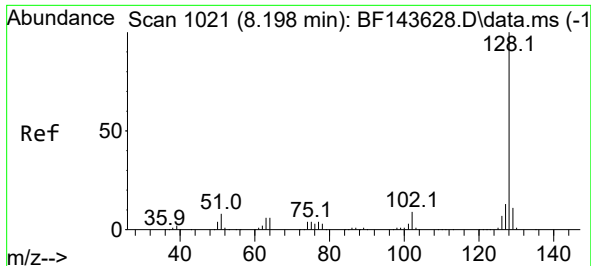
Ion Ratio Lower Upper

180 100

182 94.9 75.2 112.8

145 29.5 23.6 35.4

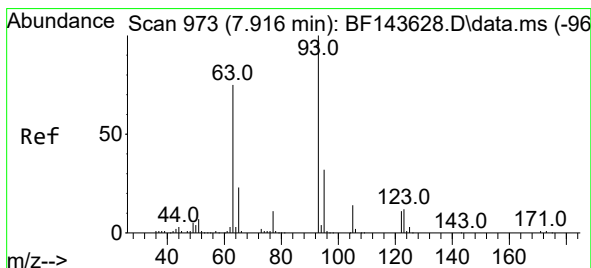
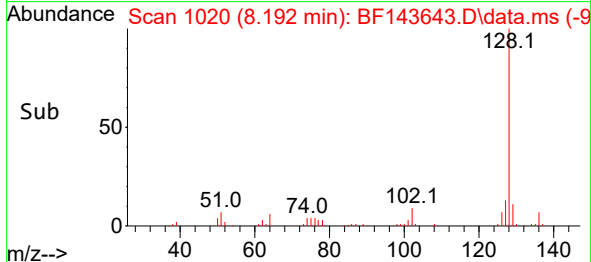
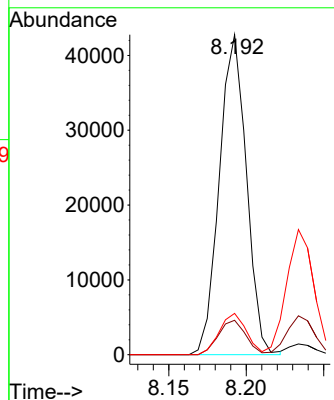
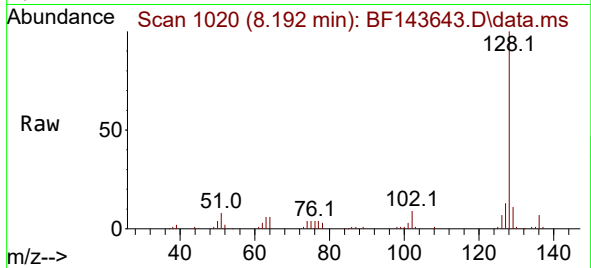




#31
Naphthalene
Concen: 3.962 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

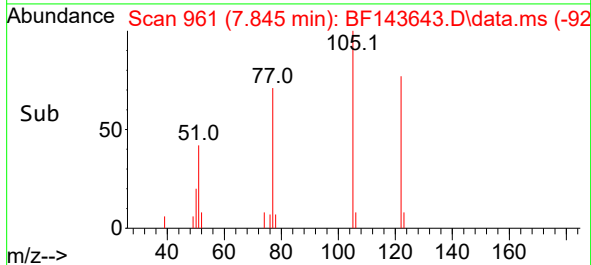
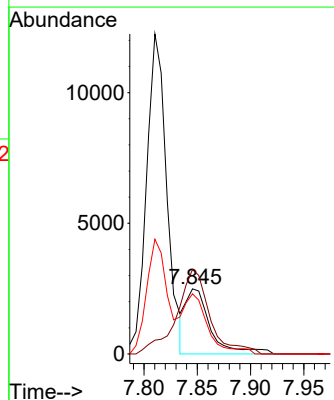
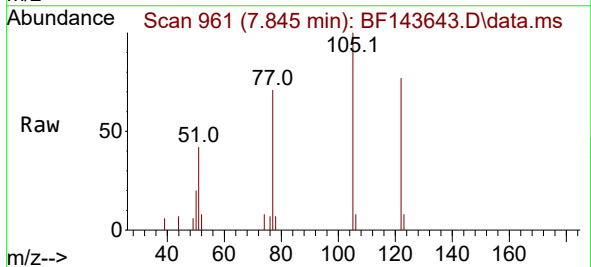
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

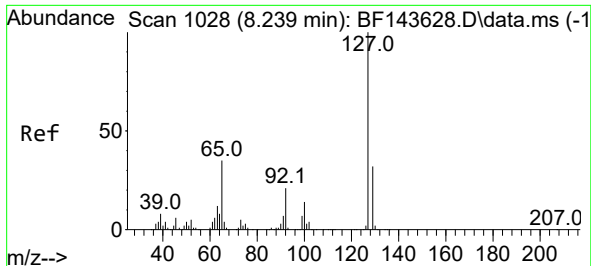
Tgt Ion:128 Resp: 51928
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 12.9 10.6 16.0



#32
Benzoic acid
Concen: 9.030 ng
RT: 7.845 min Scan# 961
Delta R.T. -0.071 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:122 Resp: 4062
Ion Ratio Lower Upper
122 100
105 129.8 105.9 145.9
77 92.6 78.6 118.6

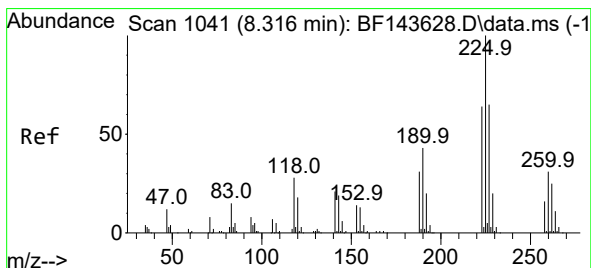
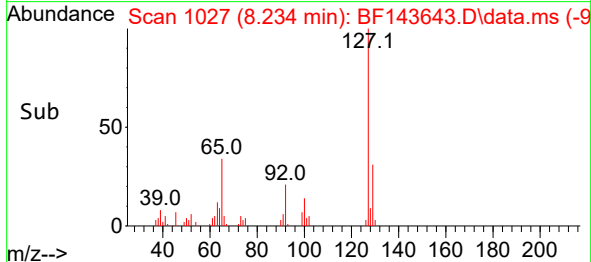
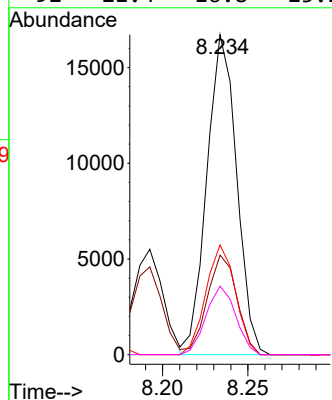
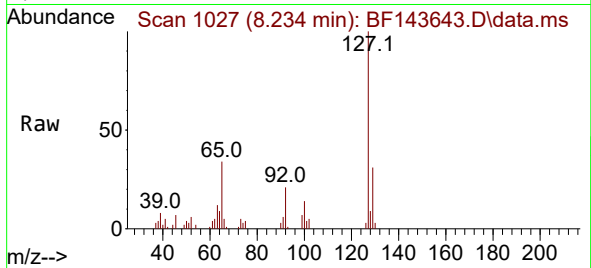




#33
4-Chloroaniline
Concen: 4.474 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

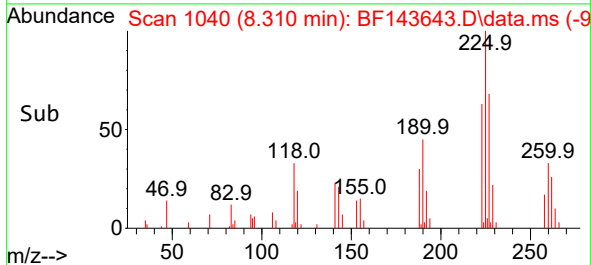
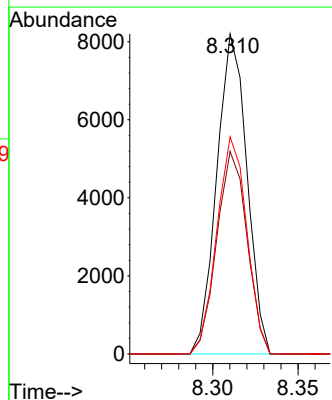
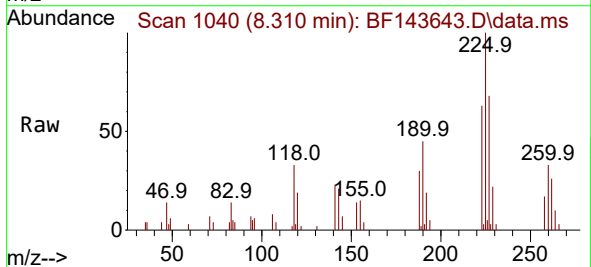
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

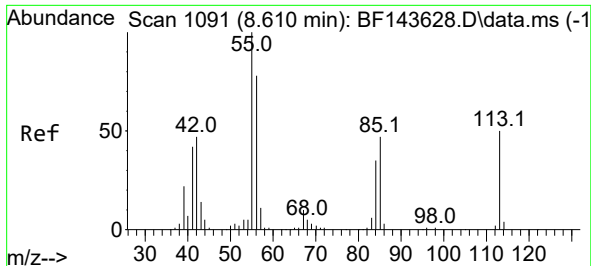
Tgt Ion:127	Resp:	20303
Ion Ratio	Lower	Upper
127	100	
129	31.1	26.2 39.2
65	34.3	27.6 41.4
92	21.4	16.8 25.2



#34
Hexachlorobutadiene
Concen: 3.875 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:225	Resp:	10081
Ion Ratio	Lower	Upper
225	100	
223	63.3	51.3 76.9
227	67.9	51.7 77.5

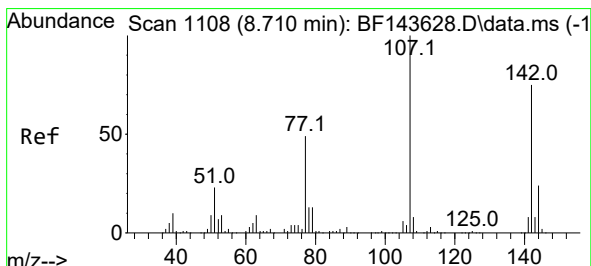
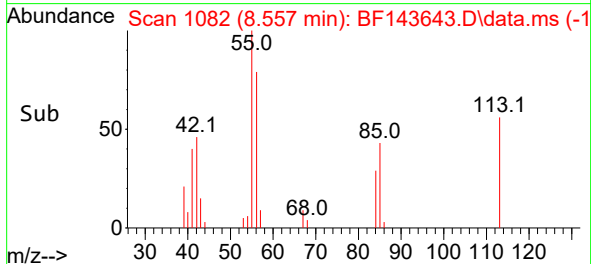
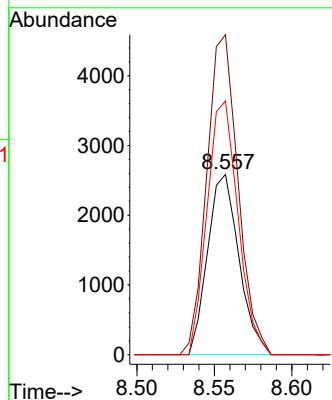
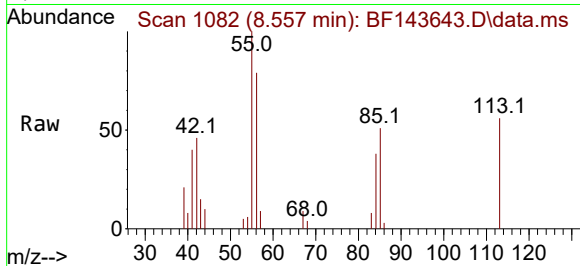




#35
 Caprolactam
 Concen: 3.697 ng
 RT: 8.557 min Scan# 1107
 Delta R.T. -0.053 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

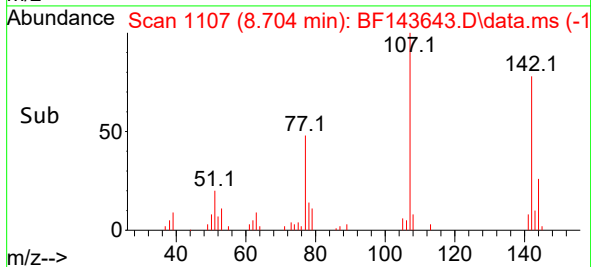
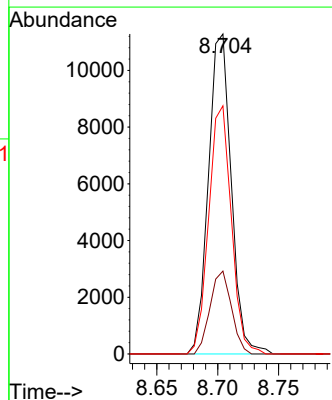
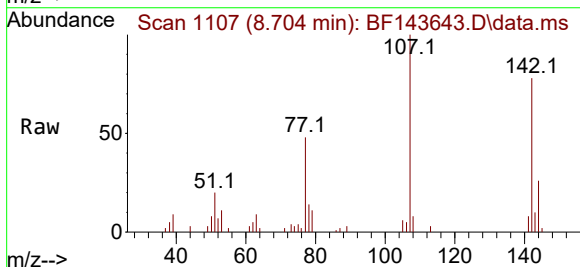
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

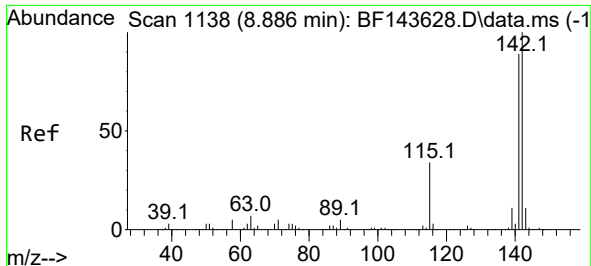
Tgt Ion:113 Resp: 3636
 Ion Ratio Lower Upper
 113 100
 55 177.4 180.5 220.5#
 56 140.7 134.8 174.8



#36
 4-Chloro-3-methylphenol
 Concen: 3.831 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

Tgt Ion:107 Resp: 14723
 Ion Ratio Lower Upper
 107 100
 144 25.9 19.0 28.6
 142 77.6 60.3 90.5

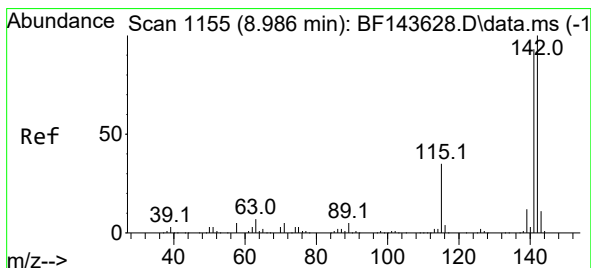
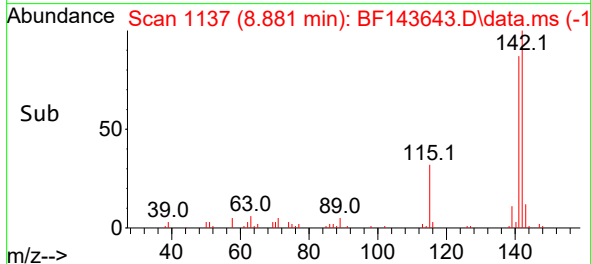
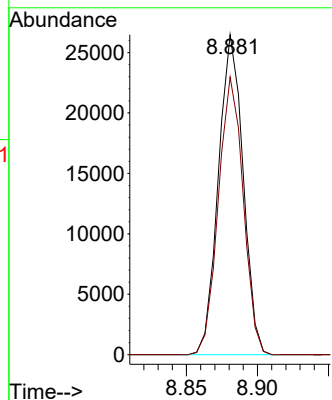
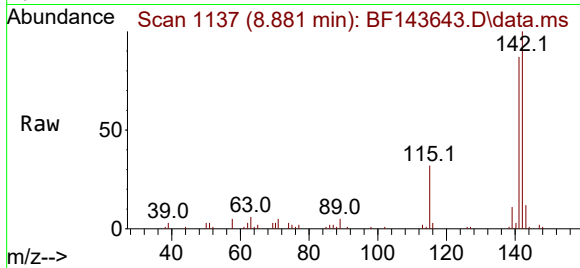




#37
2-Methylnaphthalene
Concen: 3.603 ng
RT: 8.881 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

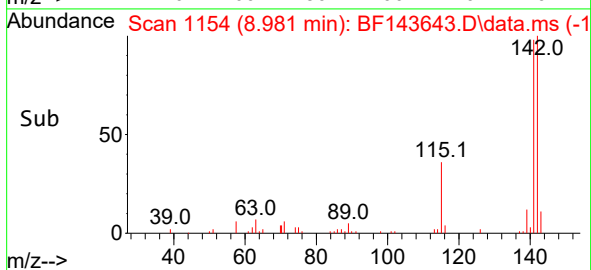
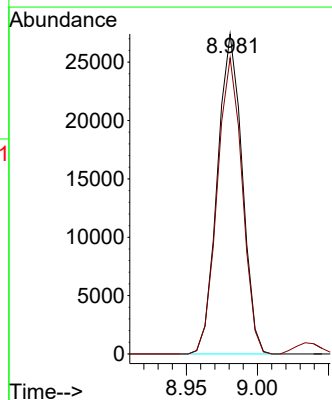
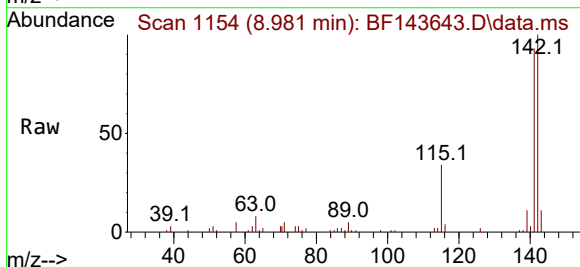
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

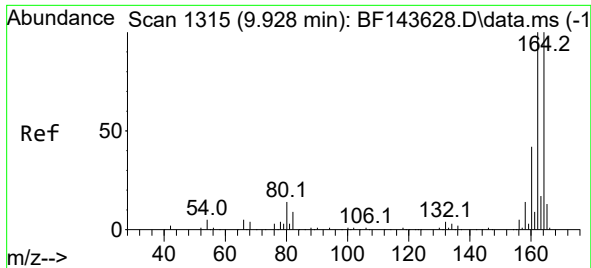
Tgt Ion:142 Resp: 31938
Ion Ratio Lower Upper
142 100
141 86.7 70.8 106.2



#38
1-Methylnaphthalene
Concen: 3.919 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:142 Resp: 33215
Ion Ratio Lower Upper
142 100
141 92.6 74.5 111.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1165

Delta R.T. -0.000 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

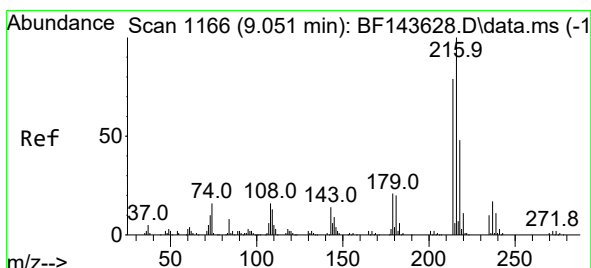
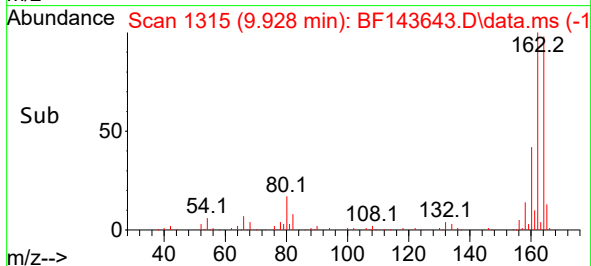
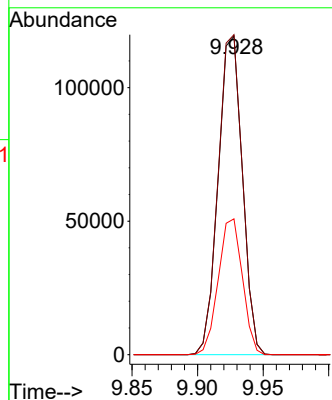
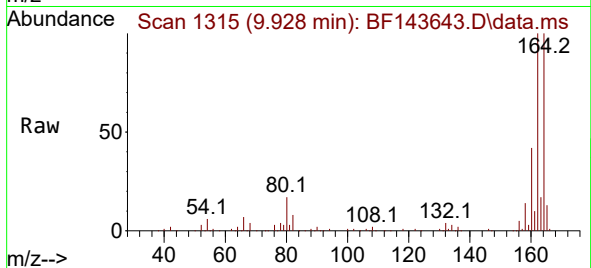
Tgt Ion:164 Resp: 152883

Ion Ratio Lower Upper

164 100

162 100.4 80.3 120.5

160 42.6 34.0 51.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.120 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Tgt Ion:216 Resp: 17408

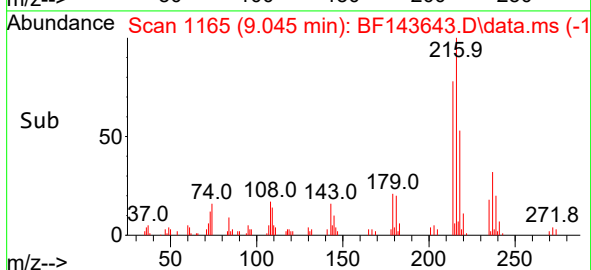
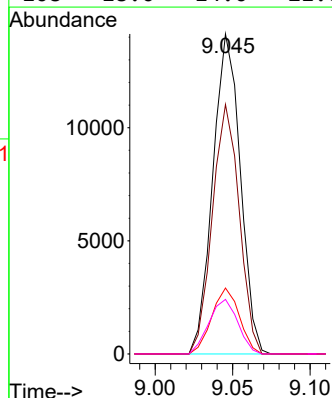
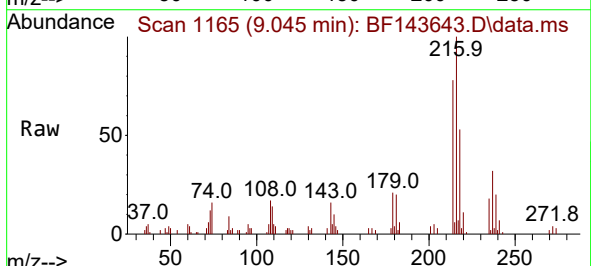
Ion Ratio Lower Upper

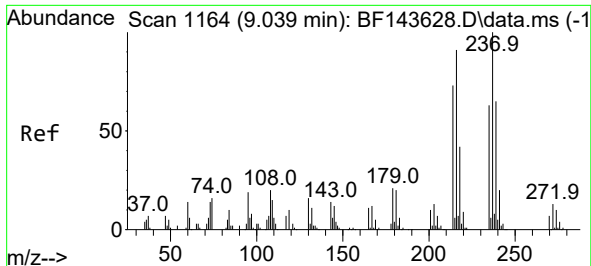
216 100

214 76.1 63.3 94.9

179 20.7 17.2 25.8

108 18.0 14.0 21.0

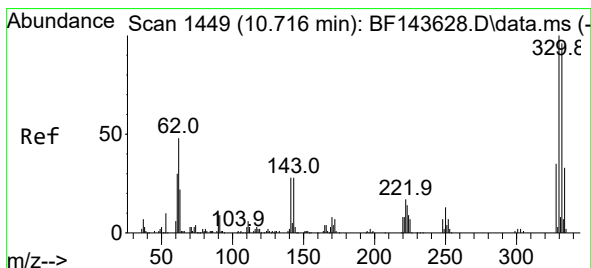
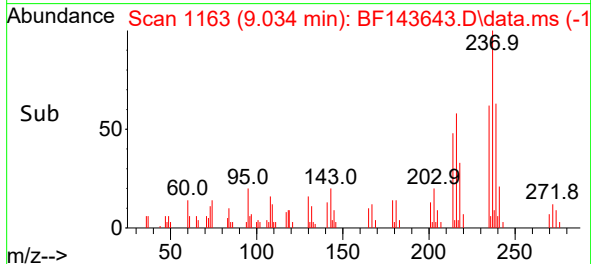
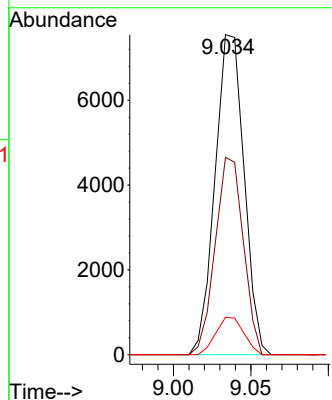
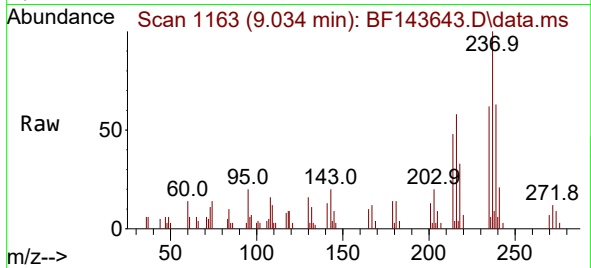




#41
Hexachlorocyclopentadiene
Concen: 4.801 ng
RT: 9.034 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

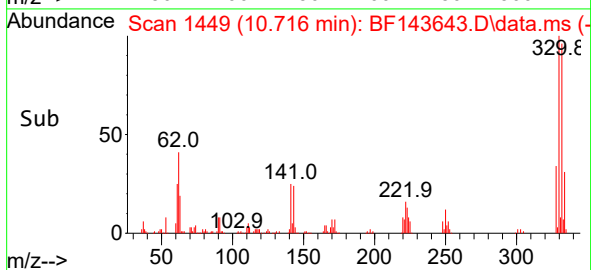
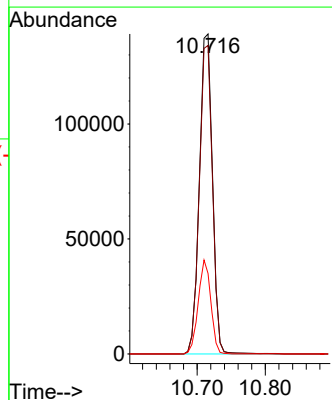
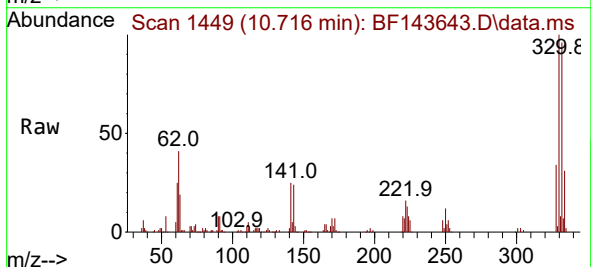
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

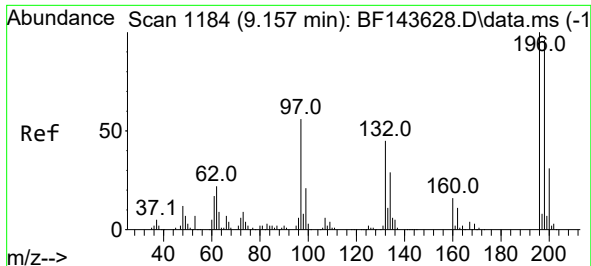
Tgt Ion:237	Resp:	9851
Ion Ratio	Lower	Upper
237	100	
235	61.7	43.0 83.0
272	11.7	0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 145.182 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:330	Resp:	185608
Ion Ratio	Lower	Upper
330	100	
332	96.8	77.0 115.6
141	28.1	23.5 35.3

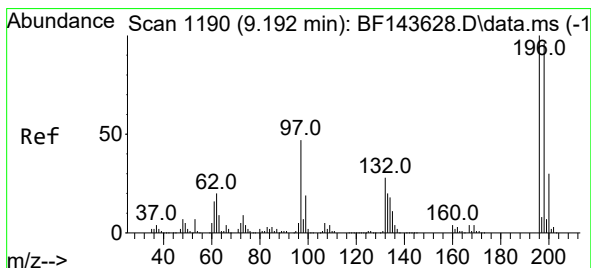
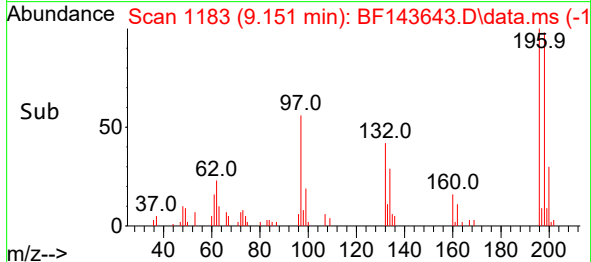
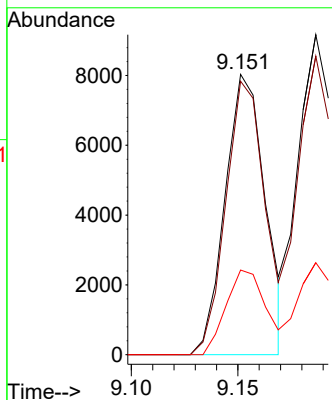
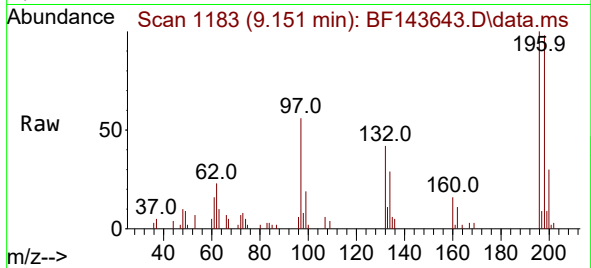




#43
2,4,6-Trichlorophenol
Concen: 4.037 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

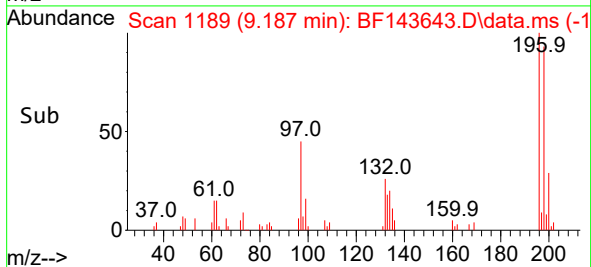
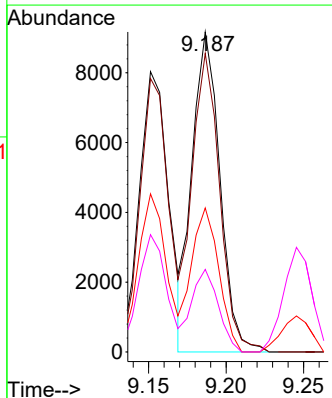
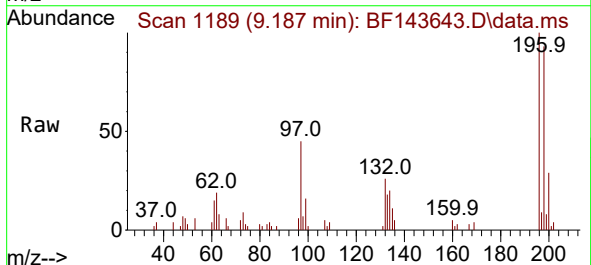
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

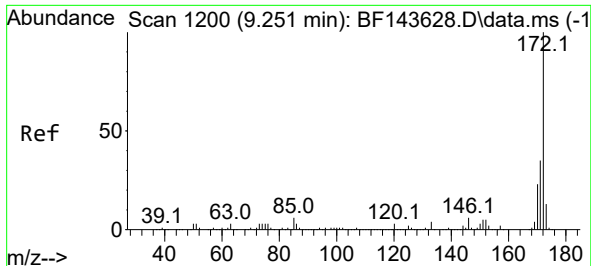
Tgt Ion:196 Resp: 10508
Ion Ratio Lower Upper
196 100
198 97.5 77.1 115.7
200 30.2 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 4.265 ng
RT: 9.187 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:196 Resp: 11461
Ion Ratio Lower Upper
196 100
198 93.3 76.6 115.0
97 45.0 38.2 57.2
132 25.8 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 86.618 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143643.D

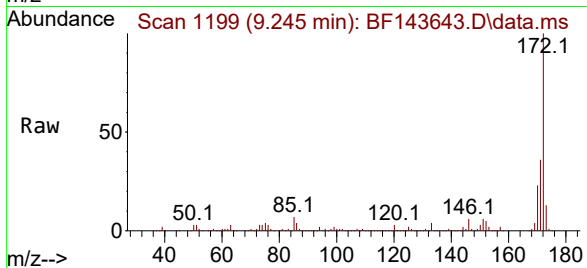
Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



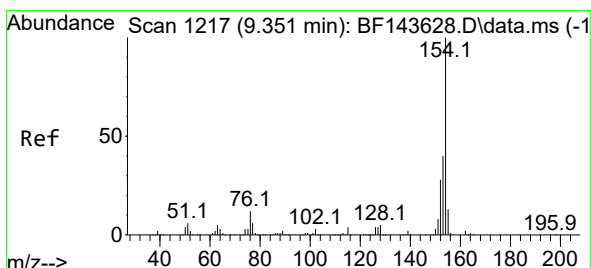
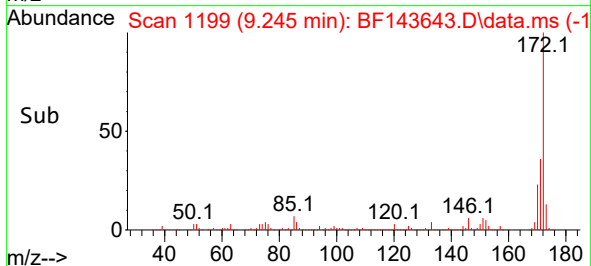
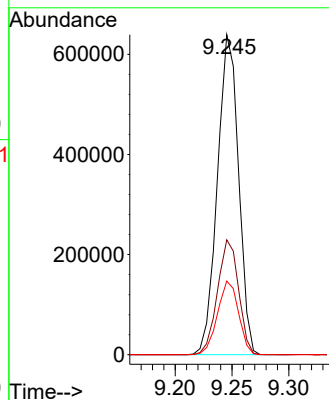
Tgt Ion:172 Resp: 828870

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 23.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 4.122 ng

RT: 9.345 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

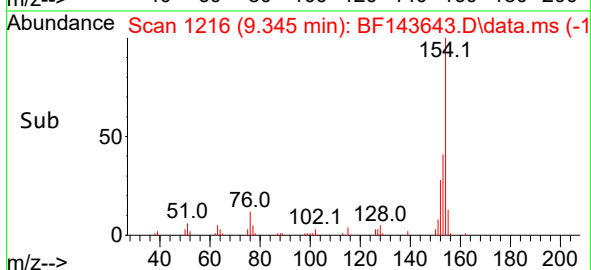
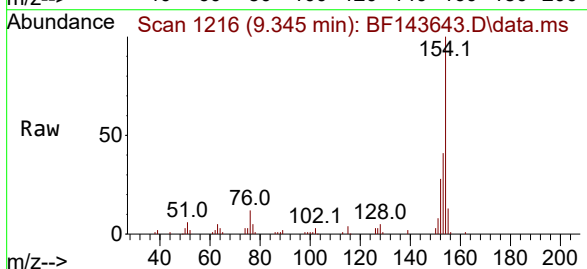
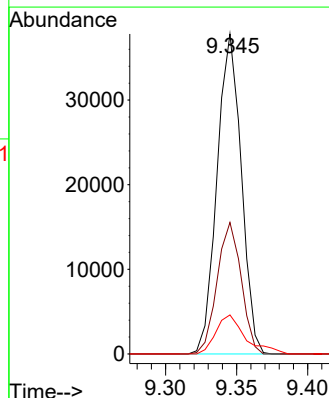
Tgt Ion:154 Resp: 44822

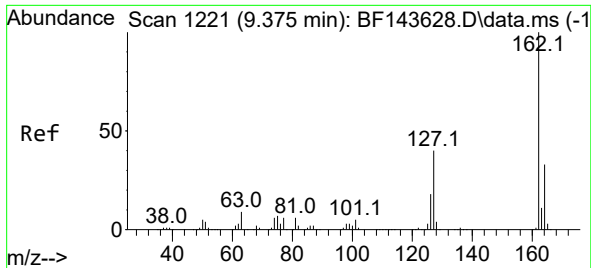
Ion Ratio Lower Upper

154 100

153 41.1 20.1 60.1

76 12.2 0.0 31.9





#47

2-Chloronaphthalene

Concen: 3.972 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

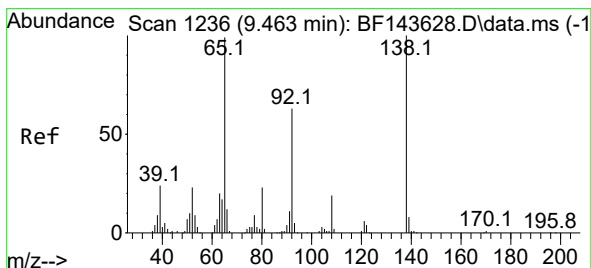
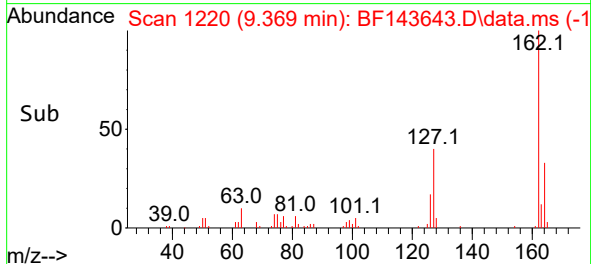
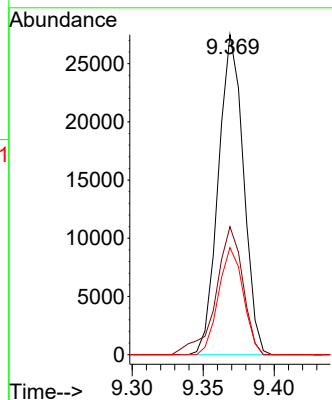
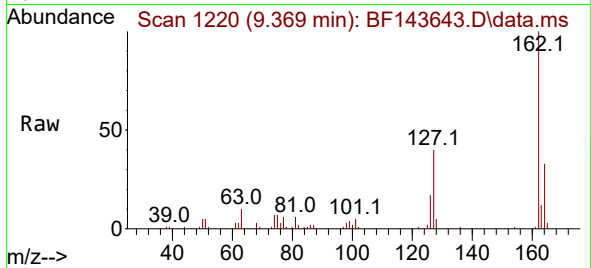
Tgt Ion:162 Resp: 33801

Ion Ratio Lower Upper

162 100

127 40.0 31.9 47.9

164 33.5 26.0 39.0



#48

2-Nitroaniline

Concen: 6.178 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

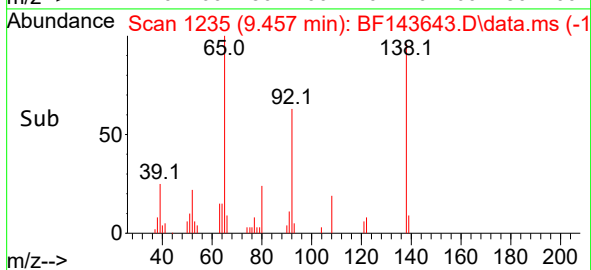
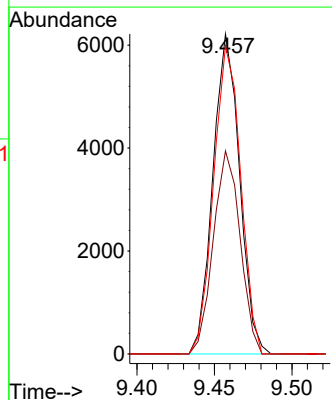
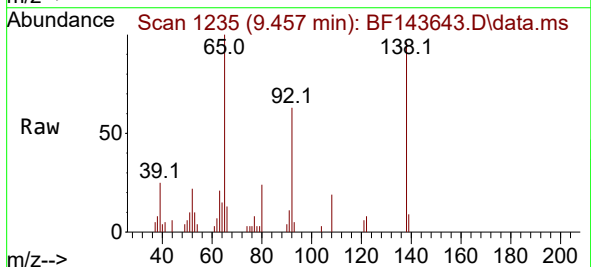
Tgt Ion: 65 Resp: 7421

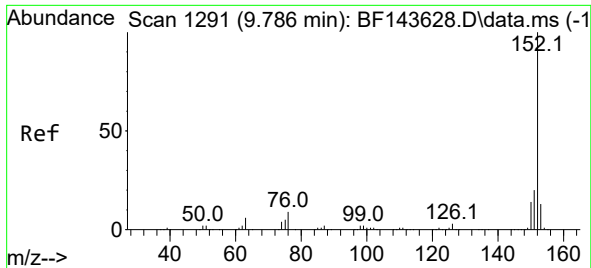
Ion Ratio Lower Upper

65 100

92 63.5 50.9 76.3

138 96.3 80.6 120.8

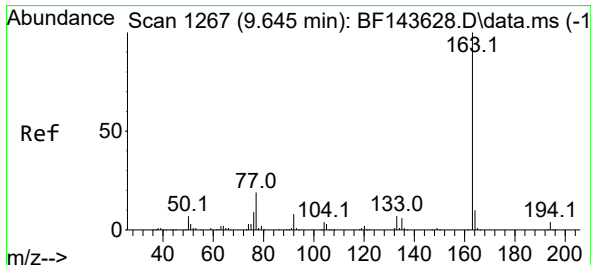
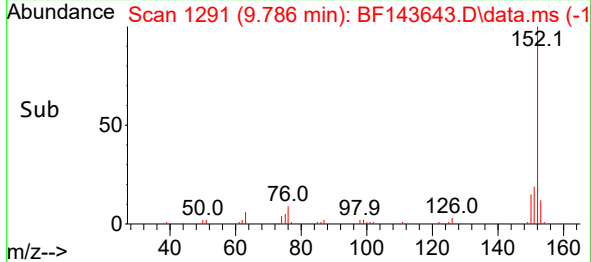
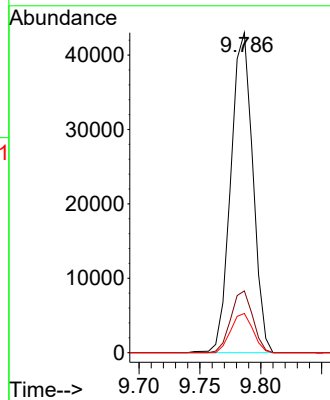
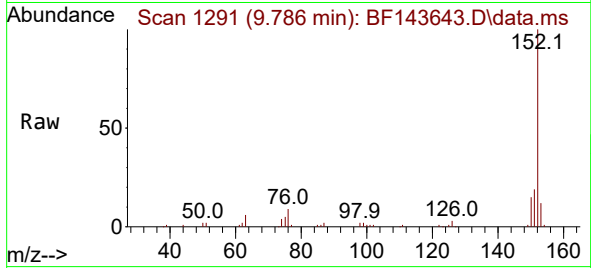




#49
Acenaphthylene
Concen: 4.404 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

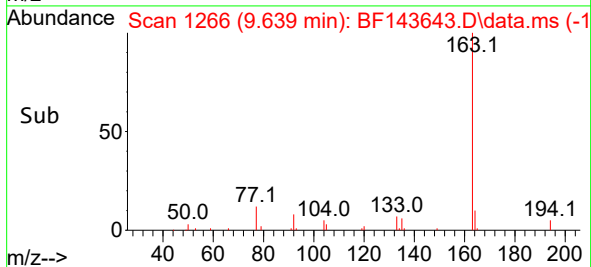
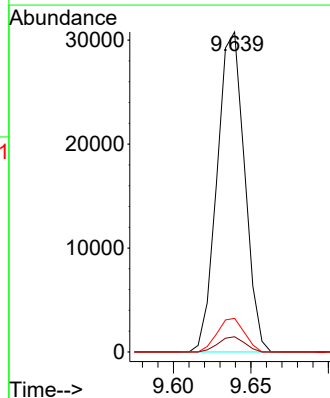
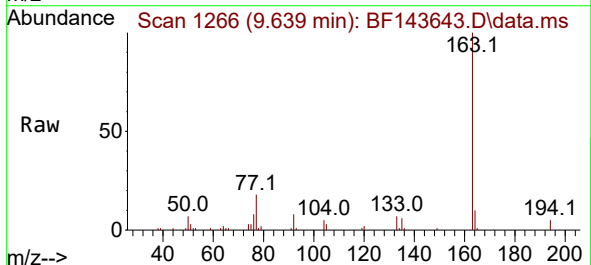
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

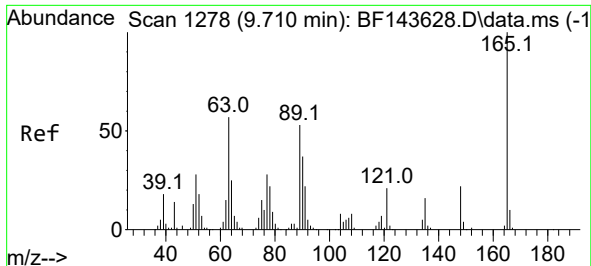
Tgt Ion:152 Resp: 54011
Ion Ratio Lower Upper
152 100
151 19.3 16.1 24.1
153 12.3 10.6 15.8



#50
Dimethylphthalate
Concen: 3.929 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:163 Resp: 38037
Ion Ratio Lower Upper
163 100
194 4.8 3.1 4.7#
164 10.5 8.1 12.1

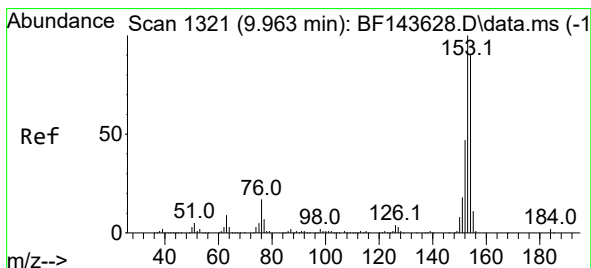
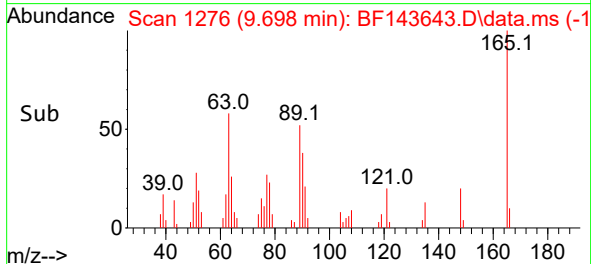
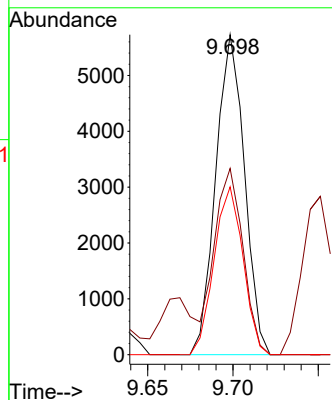
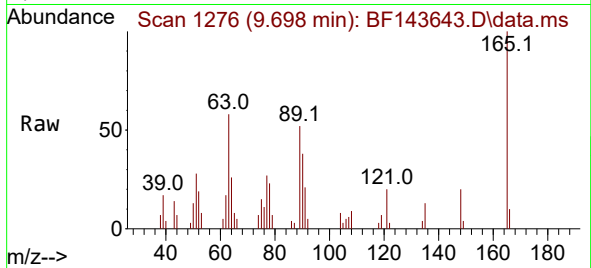




#51
2,6-Dinitrotoluene
Concen: 7.302 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

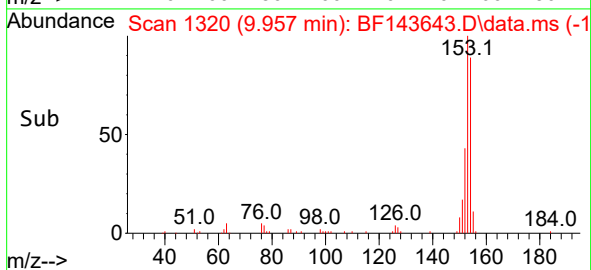
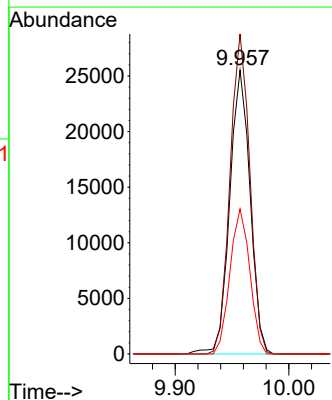
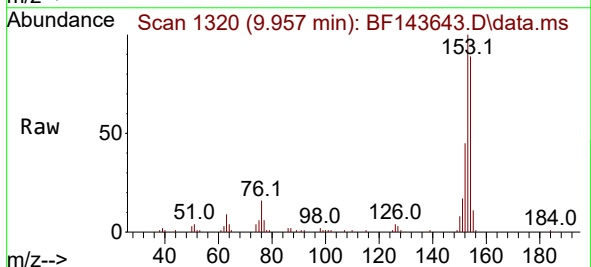
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

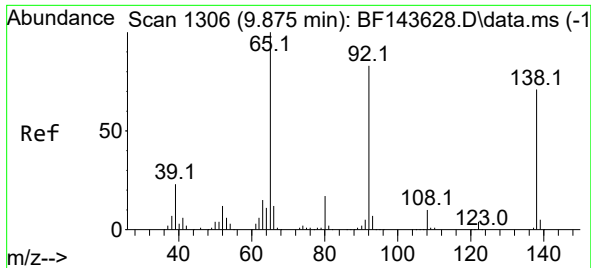
Tgt Ion:165 Resp: 6714
Ion Ratio Lower Upper
165 100
63 58.2 45.4 68.0
89 52.4 42.1 63.1



#52
Acenaphthene
Concen: 3.873 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:154 Resp: 31773
Ion Ratio Lower Upper
154 100
153 112.8 88.6 132.8
152 51.1 41.8 62.8

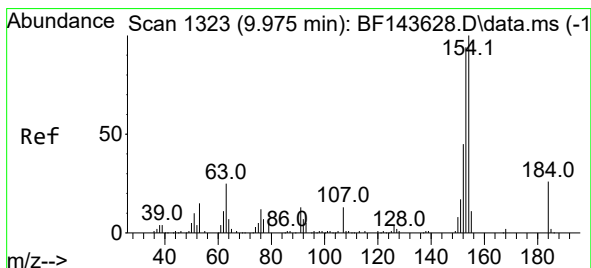
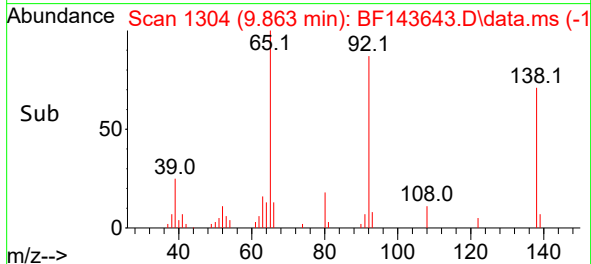
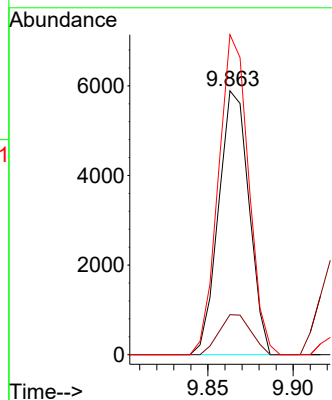
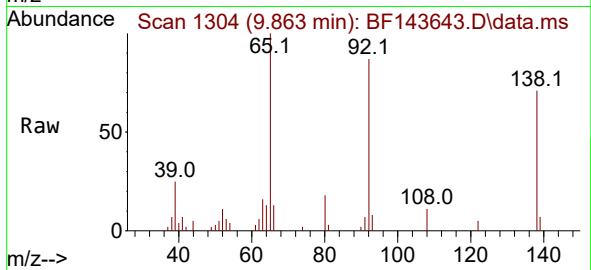




#53
3-Nitroaniline
Concen: 6.531 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

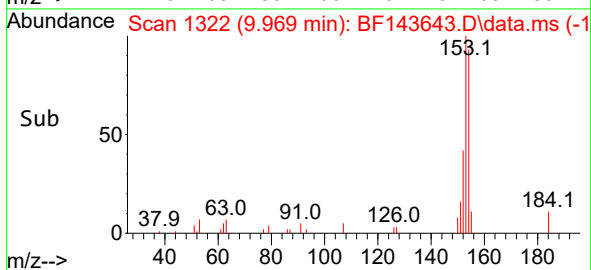
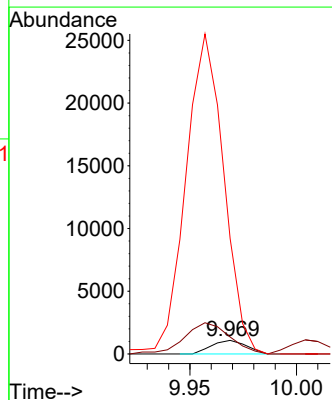
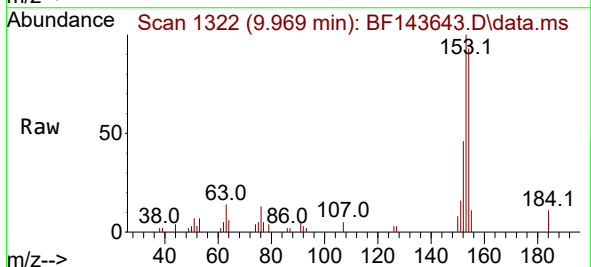
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

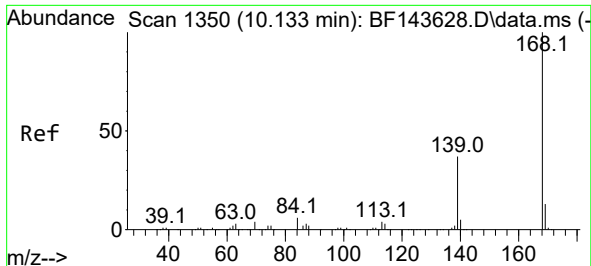
Tgt Ion:138 Resp: 7312
Ion Ratio Lower Upper
138 100
108 15.1 10.7 16.1
92 121.3 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 8.371 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:184 Resp: 1232
Ion Ratio Lower Upper
184 100
63 125.7 81.8 122.8#
154 852.4 348.3 522.5#

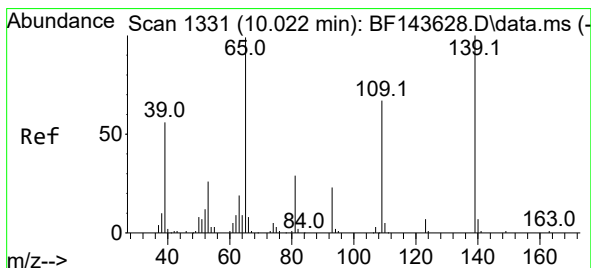
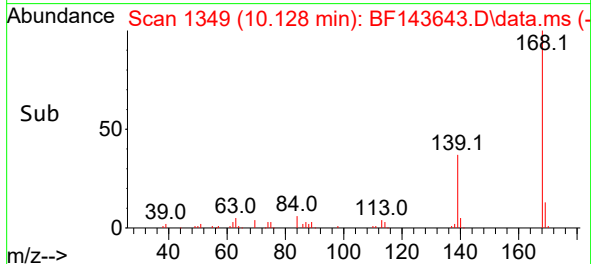
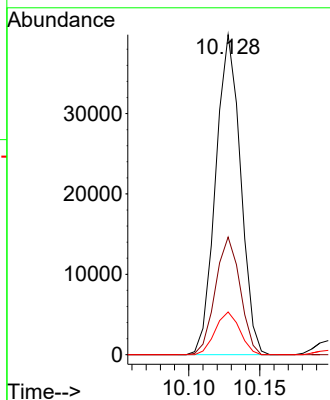
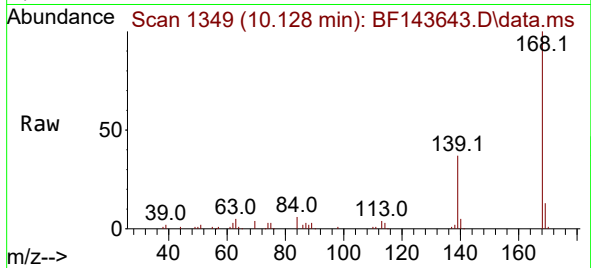




#55
Dibenzenofuran
Concen: 4.066 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

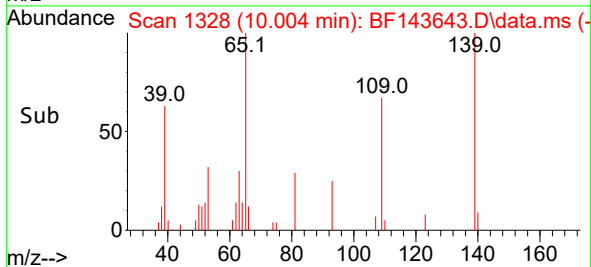
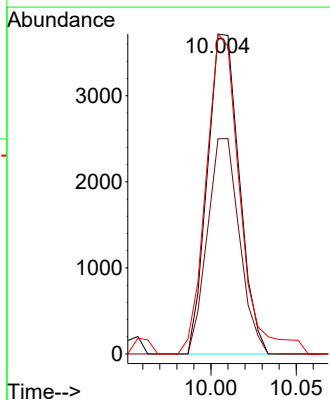
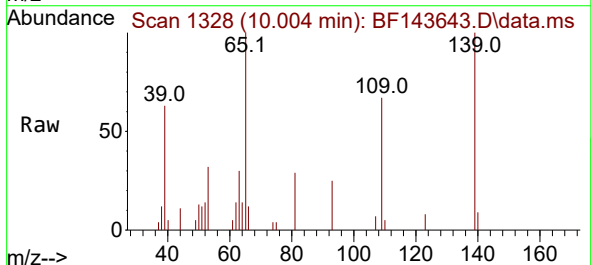
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

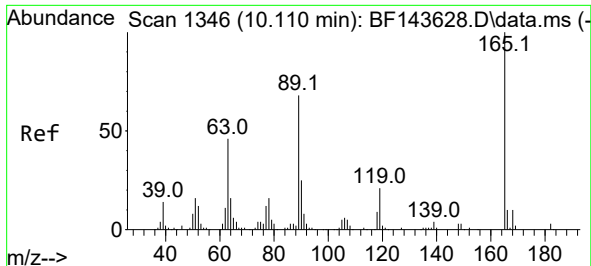
Tgt Ion:168 Resp: 48459
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.8
169 13.4 10.6 16.0



#56
4-Nitrophenol
Concen: 3.369 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.018 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:139 Resp: 4835
Ion Ratio Lower Upper
139 100
109 67.3 47.6 87.6
65 100.0 80.5 120.5





#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 10.098 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF143643.D

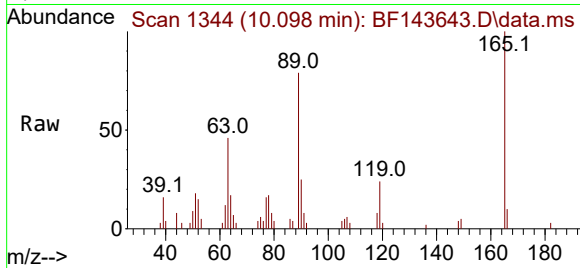
Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:165 Resp: 7361

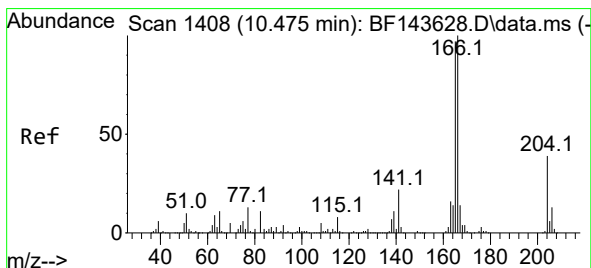
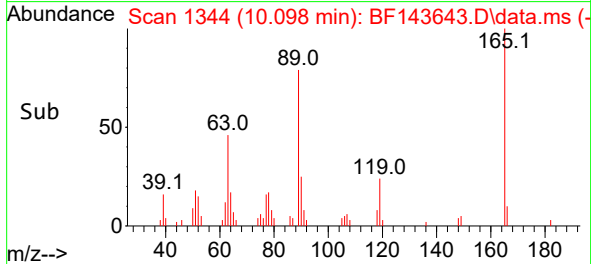
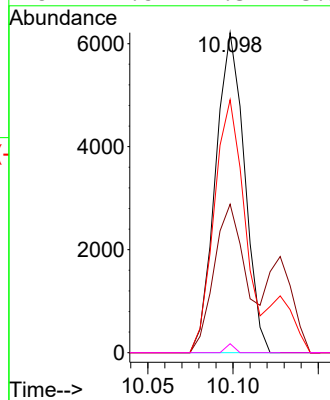
Ion Ratio Lower Upper

165 100

63 46.4 37.0 55.6

89 79.1 54.1 81.1

182 2.8 2.3 3.5



#58

Fluorene

Concen: 4.164 ng

RT: 10.469 min Scan# 1407

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

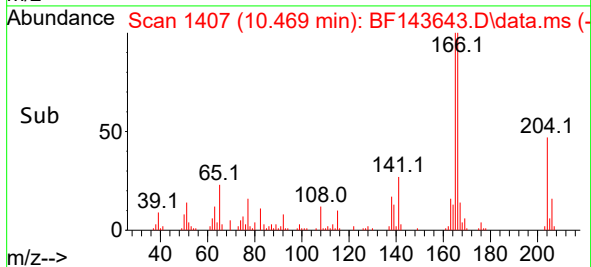
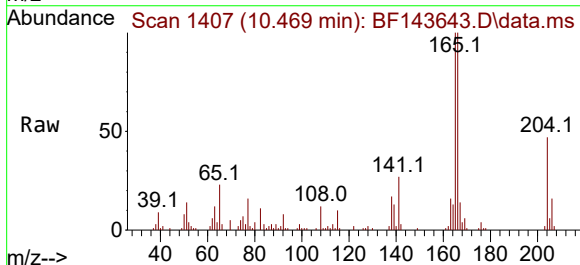
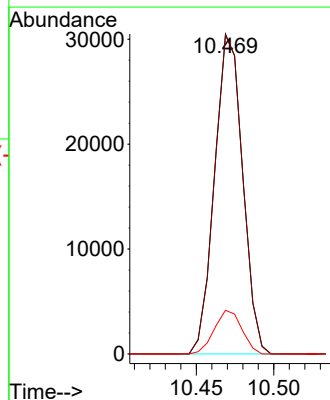
Tgt Ion:166 Resp: 38381

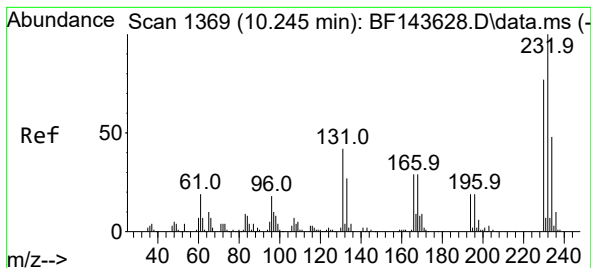
Ion Ratio Lower Upper

166 100

165 99.7 77.6 116.4

167 13.7 10.9 16.3

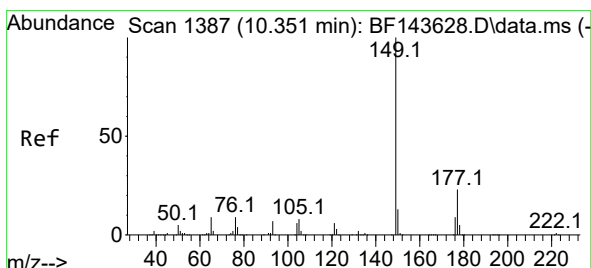
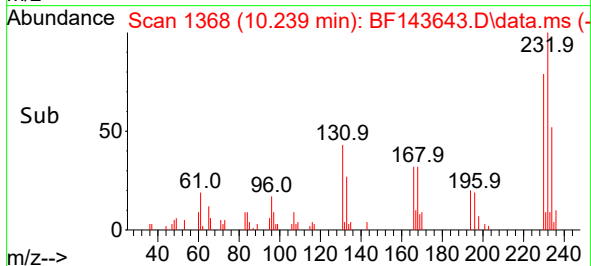
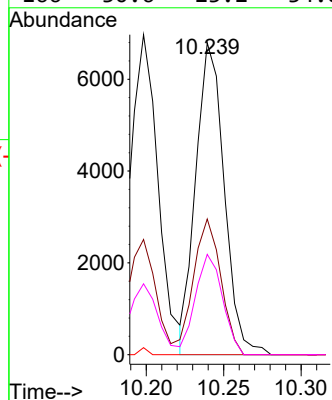
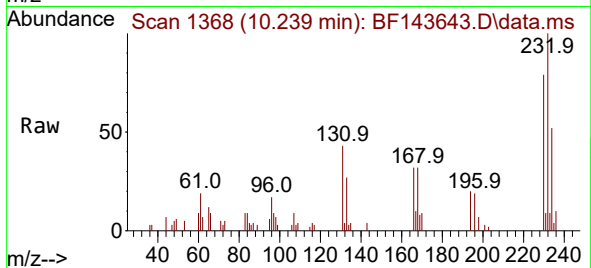




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.235 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

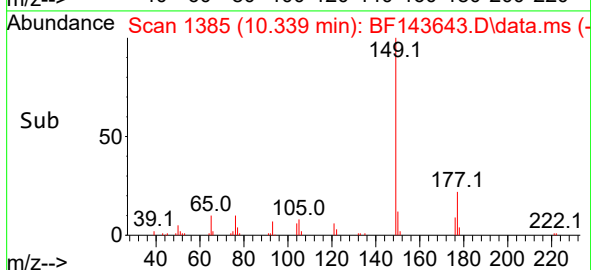
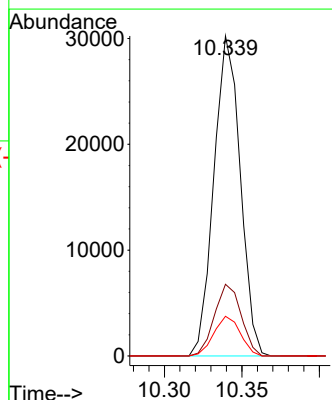
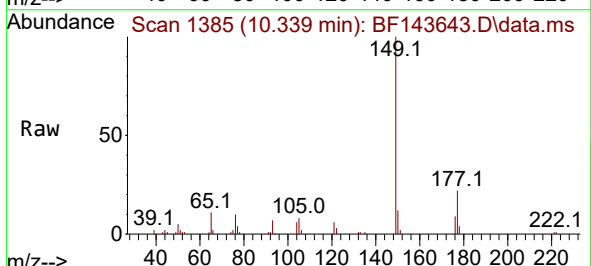
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

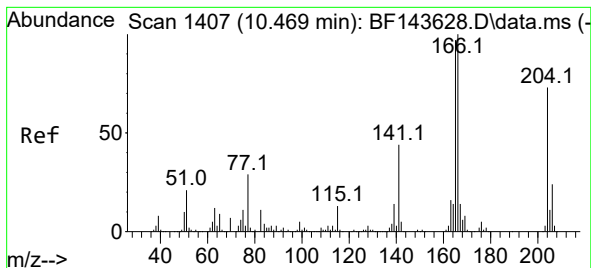
Tgt Ion:232 Resp: 8644
Ion Ratio Lower Upper
232 100
131 42.4 33.7 50.5
130 0.0 1.5 2.3#
166 30.6 23.2 34.8



#60
Diethylphthalate
Concen: 3.891 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:149 Resp: 35760
Ion Ratio Lower Upper
149 100
177 22.4 18.6 28.0
150 12.4 10.3 15.5

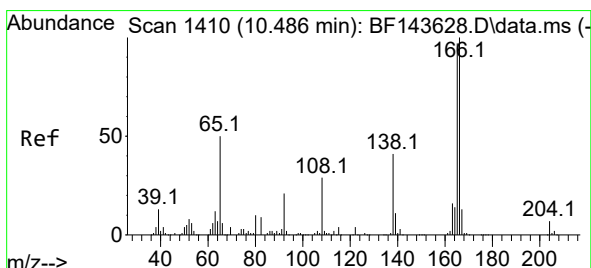
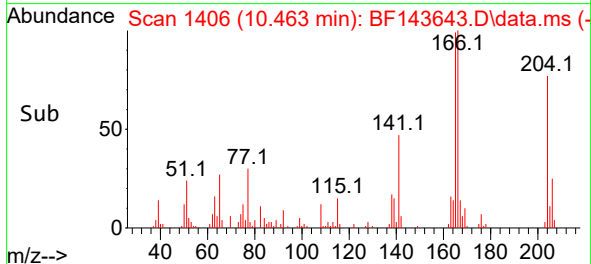
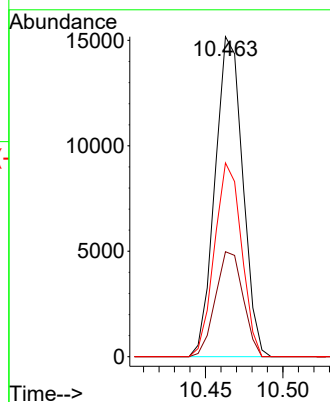
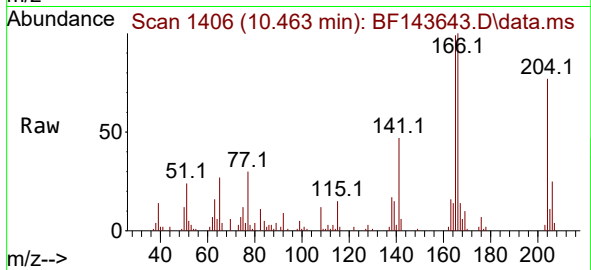




#61
4-Chlorophenyl-phenylether
Concen: 4.091 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

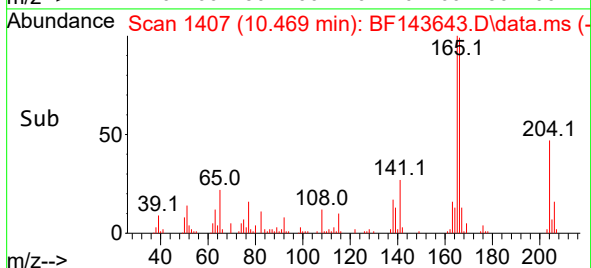
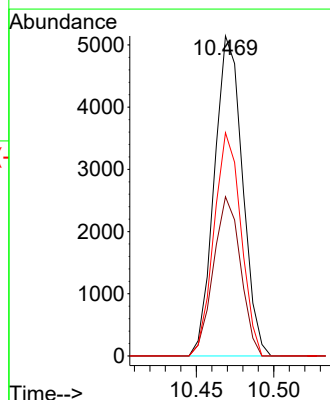
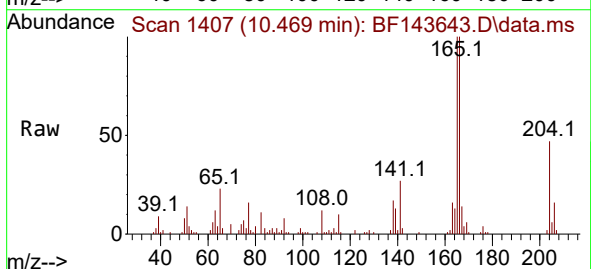
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

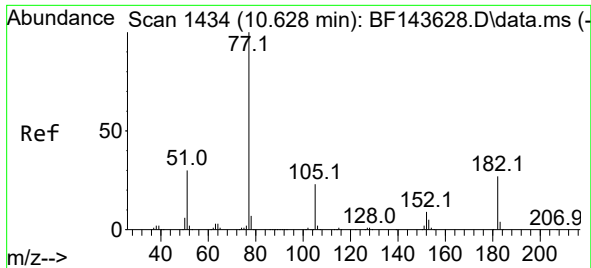
Tgt Ion:204 Resp: 18816
Ion Ratio Lower Upper
204 100
206 32.8 26.6 40.0
141 60.6 47.8 71.6



#62
4-Nitroaniline
Concen: 6.020 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.017 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:138 Resp: 6487
Ion Ratio Lower Upper
138 100
92 49.8 30.5 70.5
108 69.8 49.1 89.1

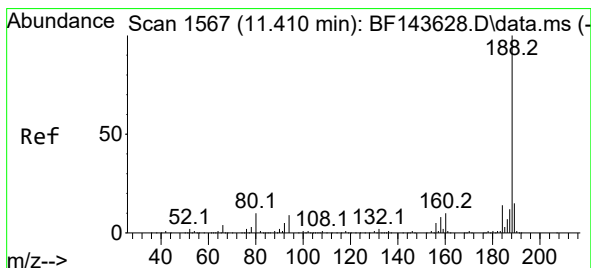
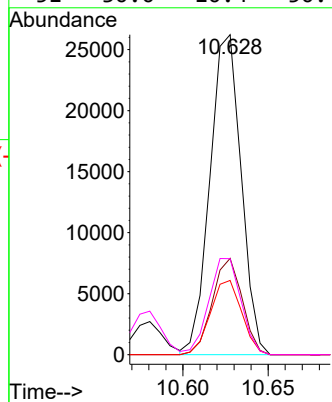
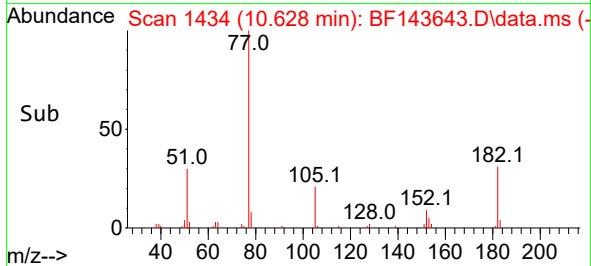
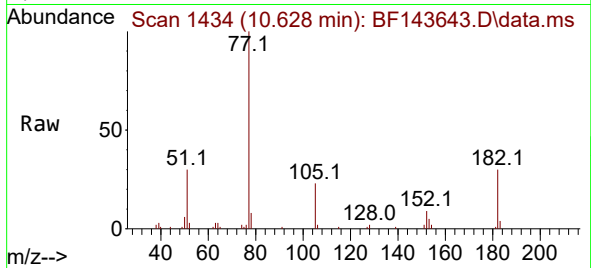




#63
Azobenzene
Concen: 3.855 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

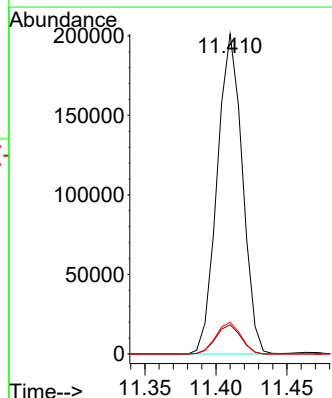
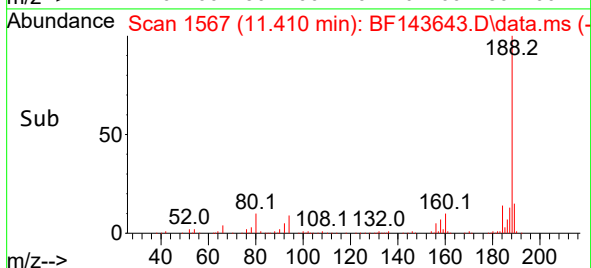
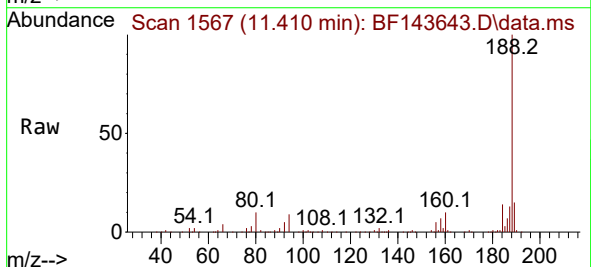
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

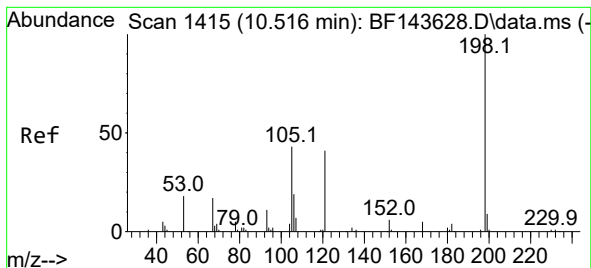
Tgt Ion:	77	Resp:	33398
Ion Ratio	Lower	Upper	
77	100		
182	30.1	6.8	46.8
105	23.2	2.8	42.8
51	30.0	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:	188	Resp:	248070
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.5	11.3
80	9.9	8.4	12.6

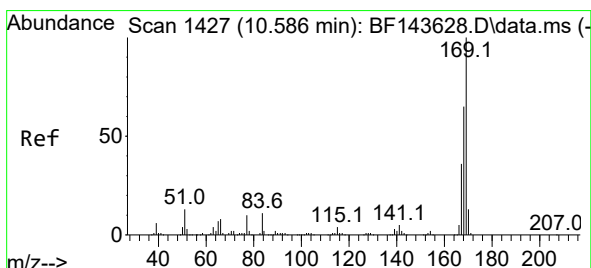
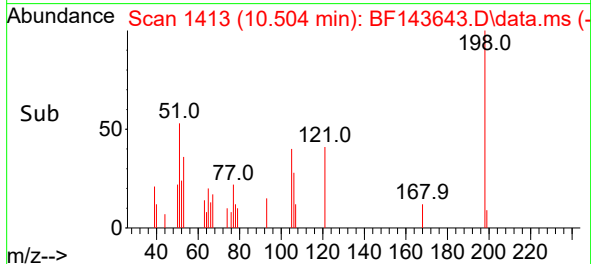
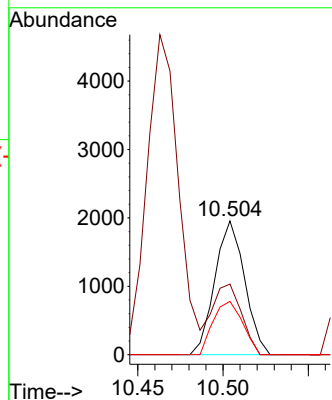
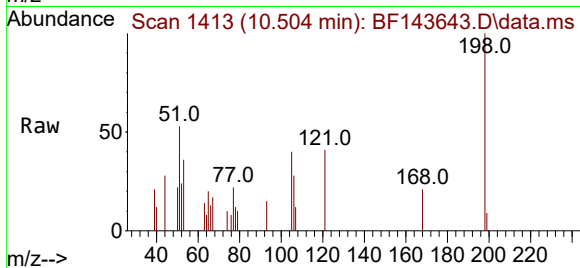




#65
4,6-Dinitro-2-methylphenol
Concen: 10.393 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

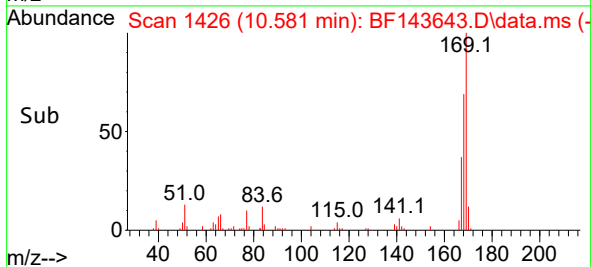
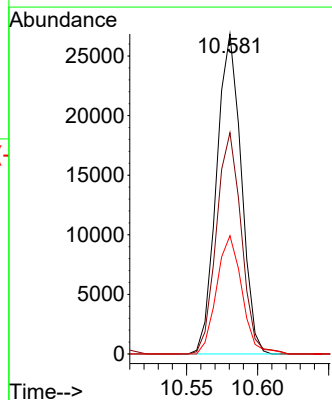
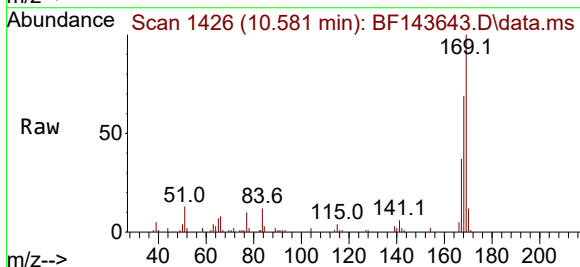
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

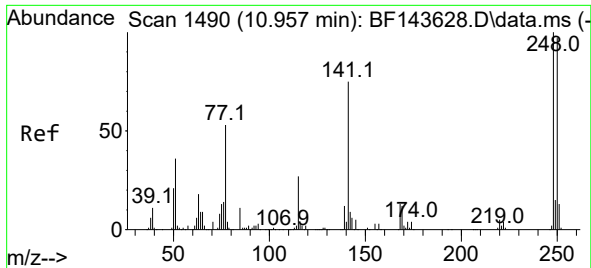
Tgt Ion:198 Resp: 2376
Ion Ratio Lower Upper
198 100
51 52.7 30.7 70.7
105 39.9 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 4.046 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:169 Resp: 32399
Ion Ratio Lower Upper
169 100
168 69.1 52.2 78.4
167 37.0 28.5 42.7

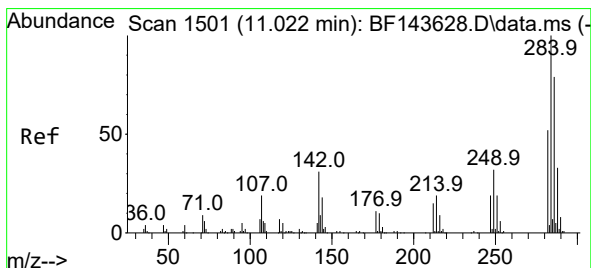
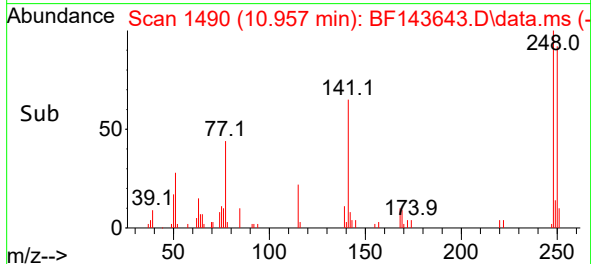
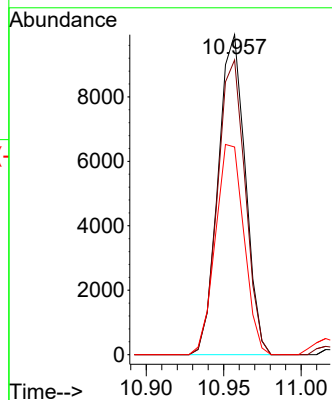
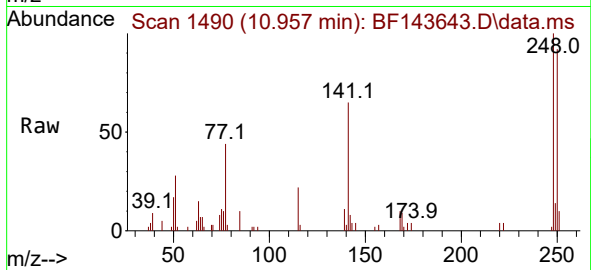




#67
4-Bromophenyl-phenylether
Concen: 4.216 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

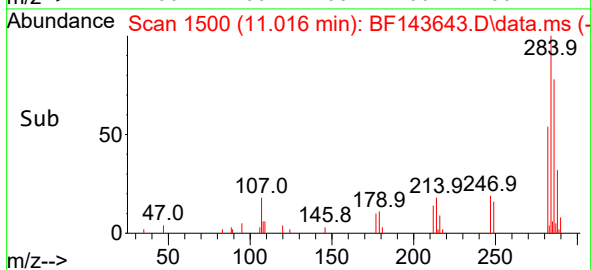
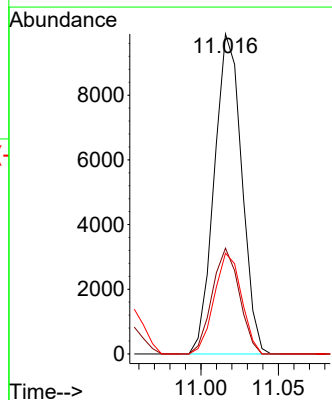
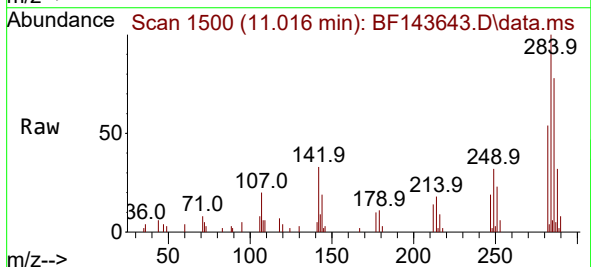
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

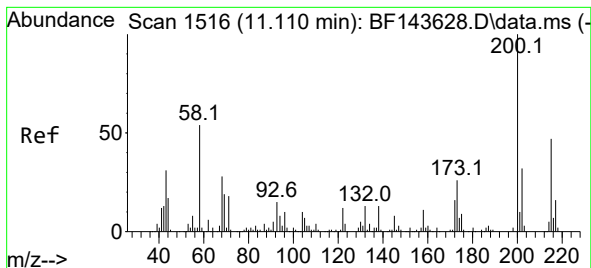
Tgt Ion:248 Resp: 12129
Ion Ratio Lower Upper
248 100
250 92.1 77.6 116.4
141 64.9 60.1 90.1



#68
Hexachlorobenzene
Concen: 4.035 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:284 Resp: 12194
Ion Ratio Lower Upper
284 100
142 33.0 24.7 37.1
249 31.5 25.4 38.2





#69

Atrazine

Concen: 3.781 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.012 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

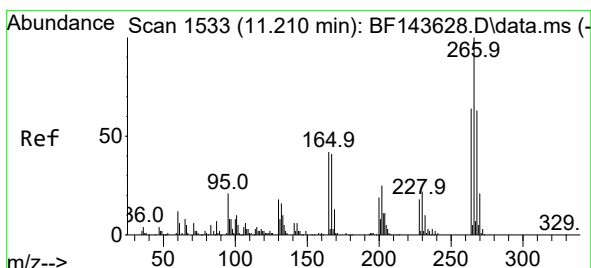
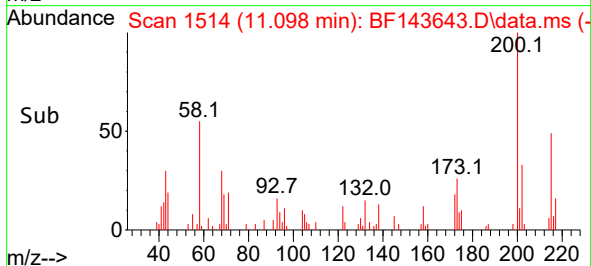
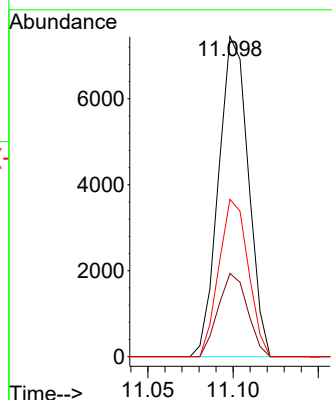
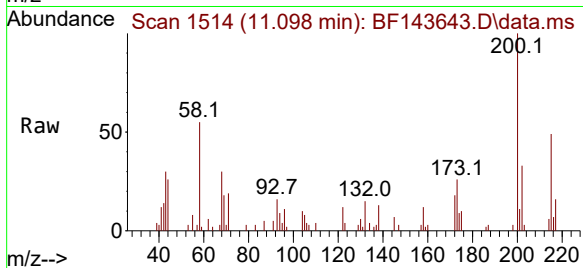
Tgt Ion:200 Resp: 9050

Ion Ratio Lower Upper

200 100

173 26.0 6.4 46.4

215 49.2 26.9 66.9



#70

Pentachlorophenol

Concen: 2.986 ng

RT: 11.210 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

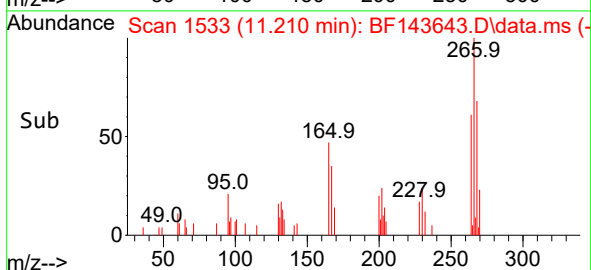
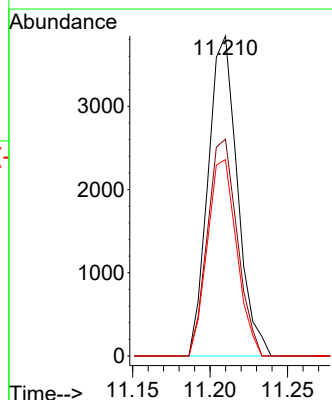
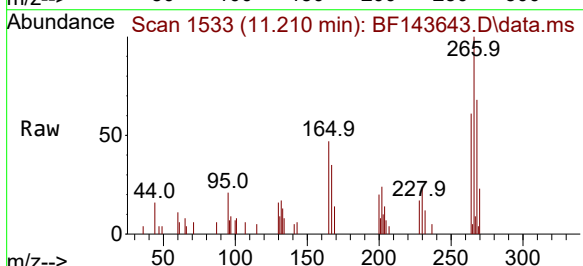
Tgt Ion:266 Resp: 5070

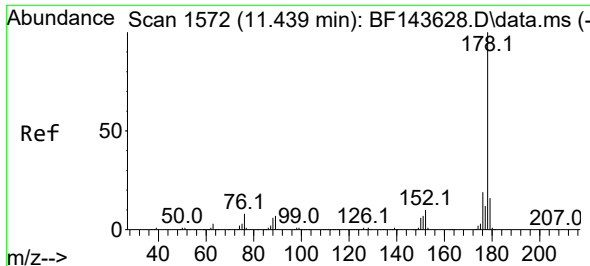
Ion Ratio Lower Upper

266 100

268 67.8 50.6 76.0

264 61.4 51.2 76.8

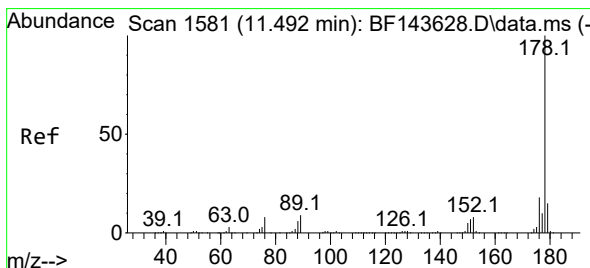
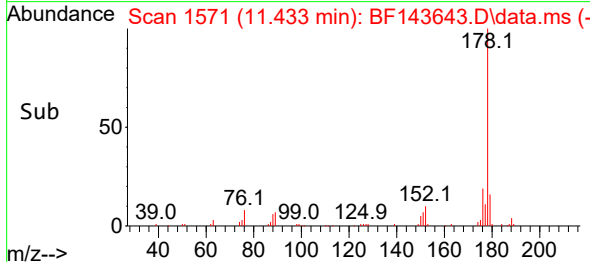
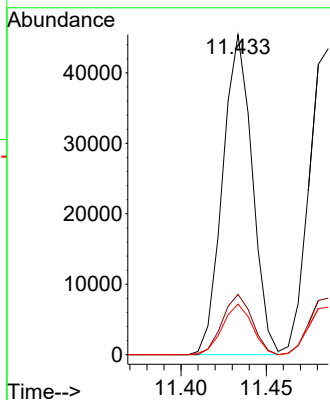
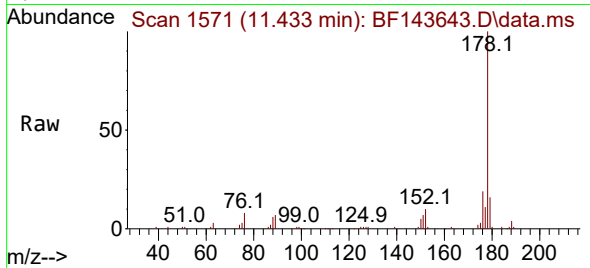




#71
Phenanthrene
Concen: 4.099 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

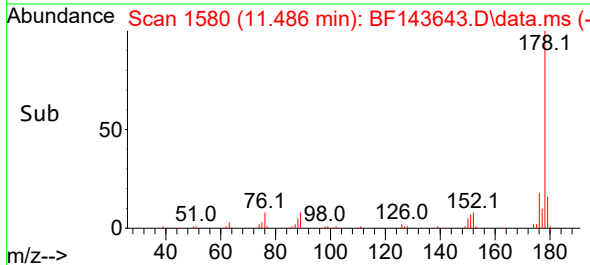
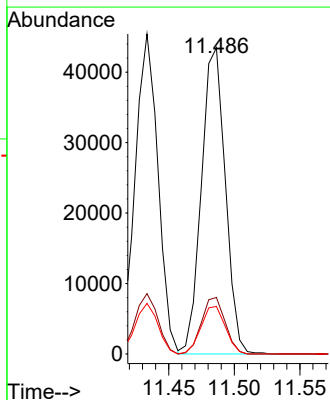
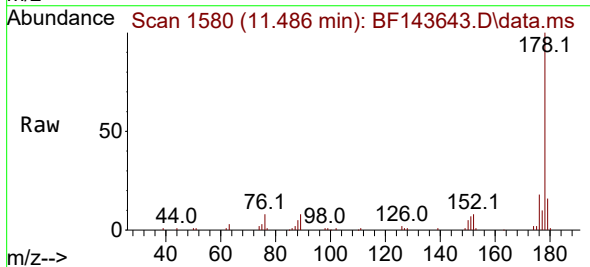
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

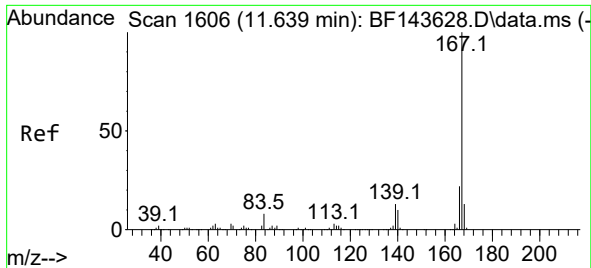
Tgt Ion:178 Resp: 54980
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.8 12.4 18.6



#72
Anthracene
Concen: 4.105 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:178 Resp: 55229
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.6 12.3 18.5

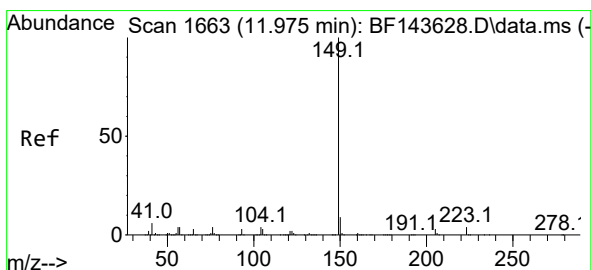
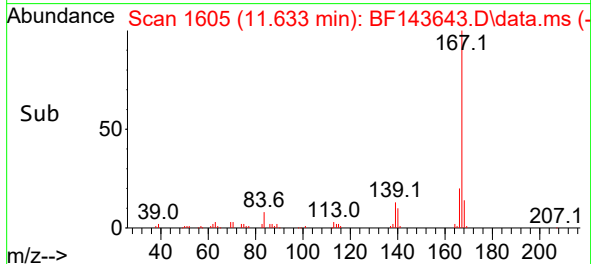
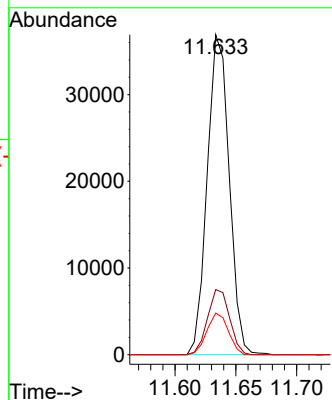
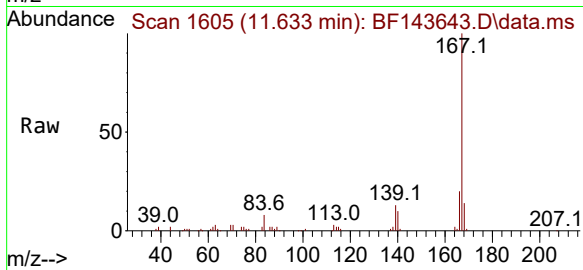




#73
 Carbazole
 Concen: 4.093 ng
 RT: 11.633 min Scan# 1605
 Delta R.T. -0.006 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

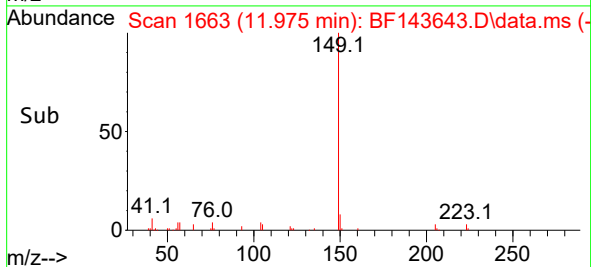
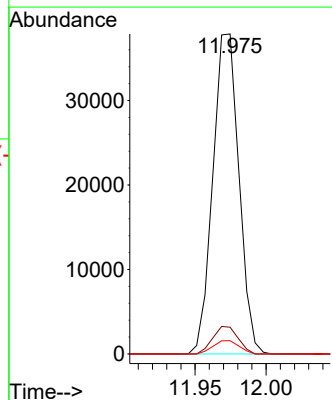
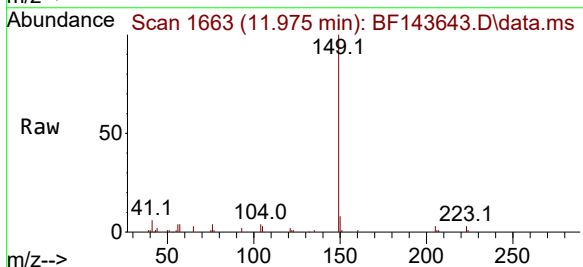
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

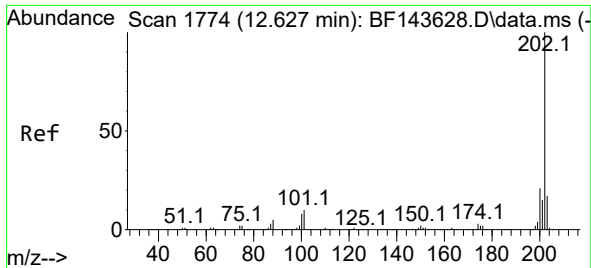
Tgt Ion:167 Resp: 46412
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.3 25.9
 139 13.0 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 3.798 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143643.D
 Acq: 04 Sep 2025 14:43

Tgt Ion:149 Resp: 48362
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.4 11.0
 104 4.1 3.5 5.3

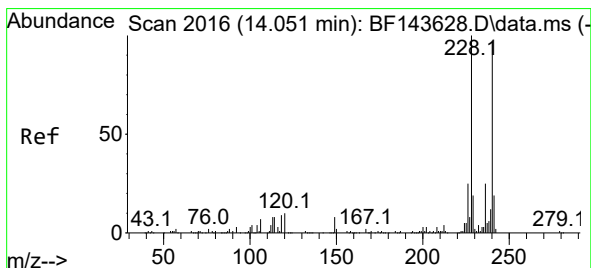
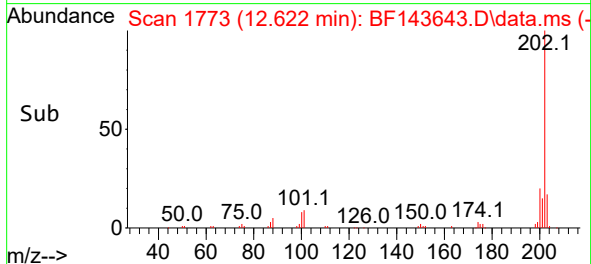
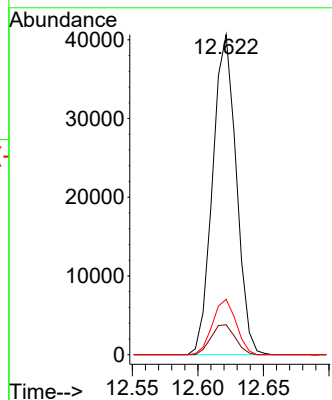
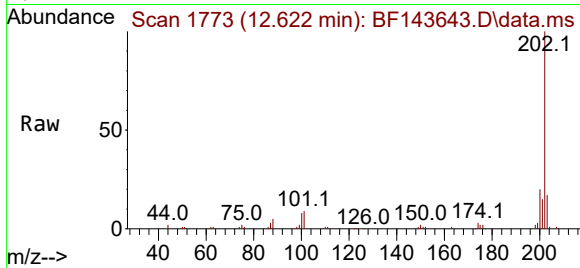




#75
Fluoranthene
Concen: 4.137 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

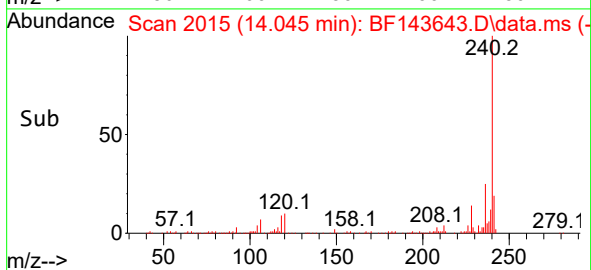
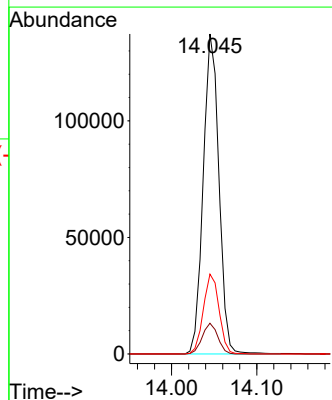
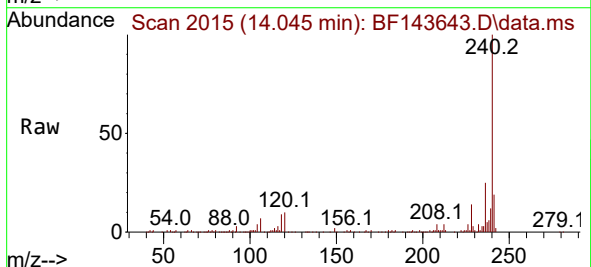
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

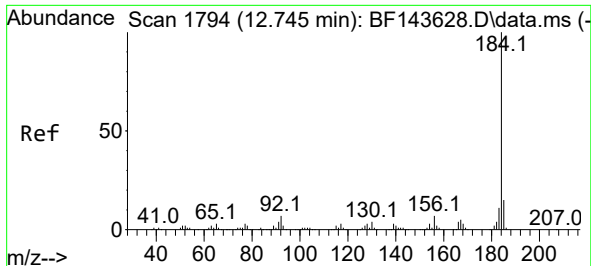
Tgt Ion:202 Resp: 50966
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.3
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:240 Resp: 175661
Ion Ratio Lower Upper
240 100
120 9.6 8.0 12.0
236 25.0 20.5 30.7

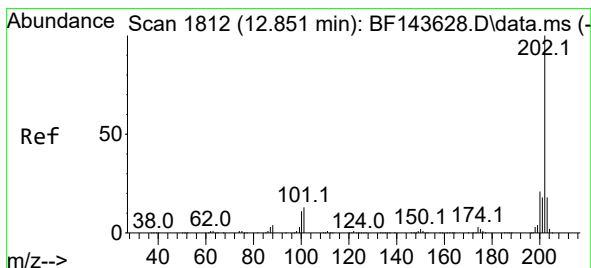
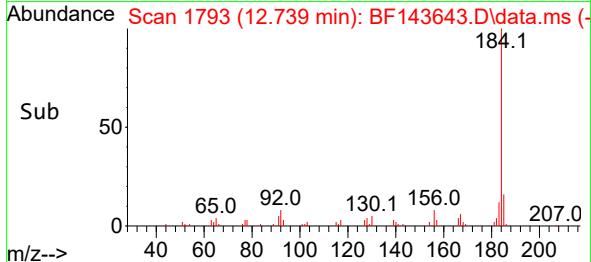
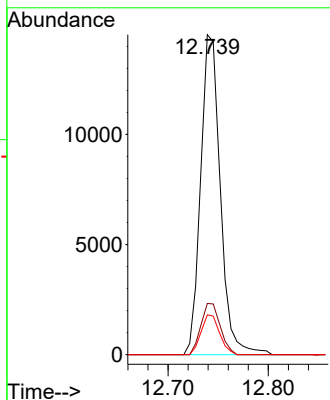
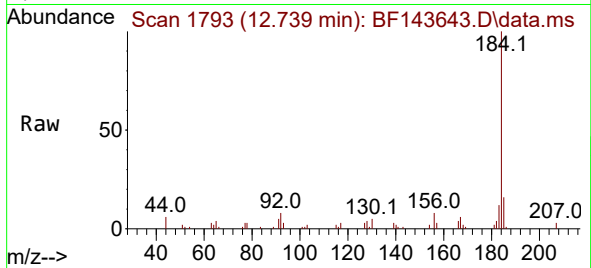




#77
Benzidine
Concen: 4.951 ng
RT: 12.739 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

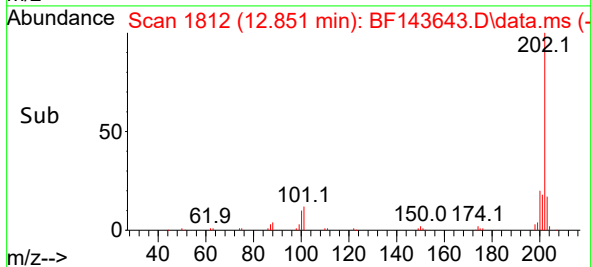
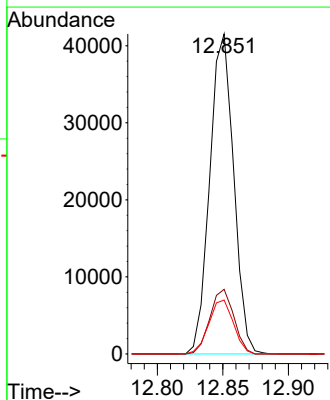
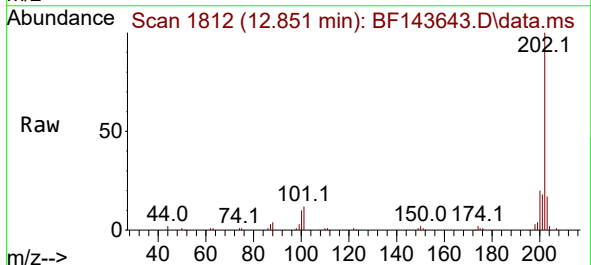
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

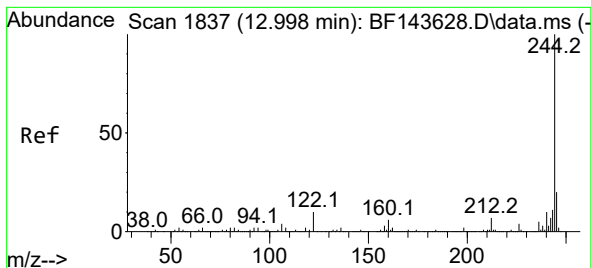
Tgt Ion:184 Resp: 19897
Ion Ratio Lower Upper
184 100
185 16.0 11.8 17.6
183 12.4 9.0 13.6



#78
Pyrene
Concen: 3.630 ng
RT: 12.851 min Scan# 1812
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:202 Resp: 52617
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 16.8 14.0 21.0





#79

Terphenyl-d14

Concen: 84.382 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143643.D

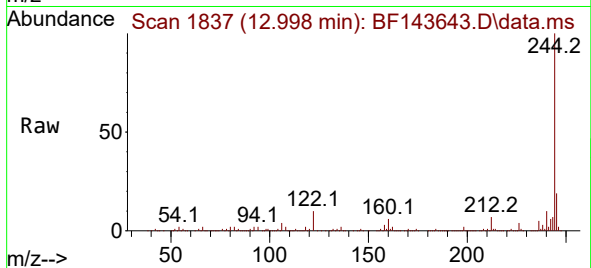
Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



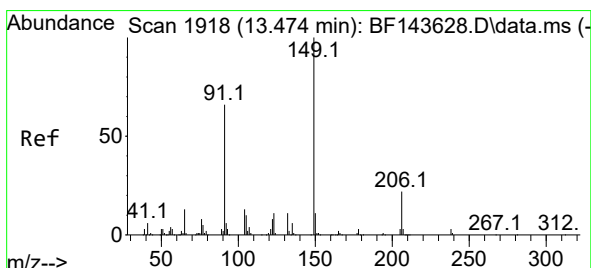
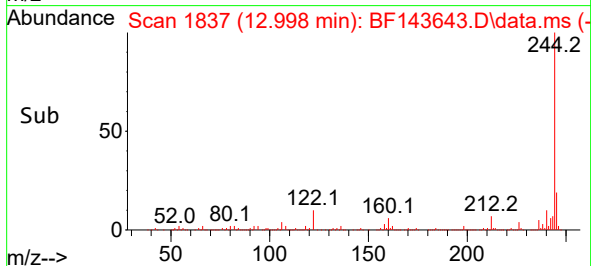
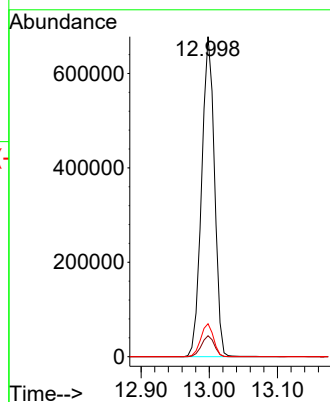
Tgt Ion:244 Resp: 889592

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 10.3 8.3 12.5



#80

Butylbenzylphthalate

Concen: 5.802 ng

RT: 13.469 min Scan# 1917

Delta R.T. -0.005 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

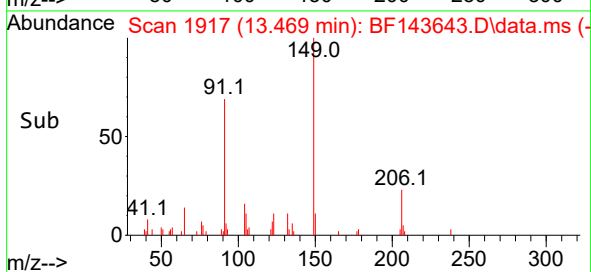
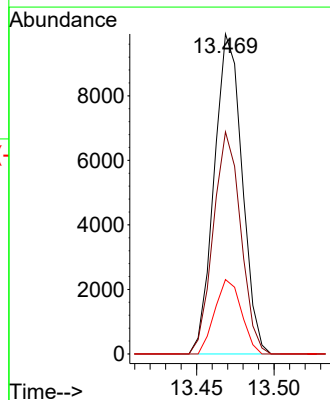
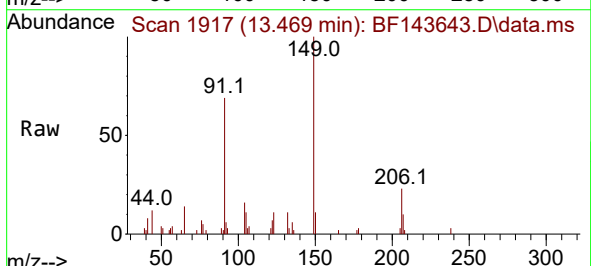
Tgt Ion:149 Resp: 12411

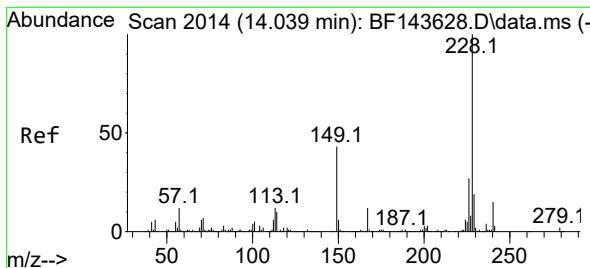
Ion Ratio Lower Upper

149 100

91 69.4 53.0 79.4

206 23.2 17.4 26.2





#81

Benzo(a)anthracene

Concen: 3.693 ng

RT: 14.033 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

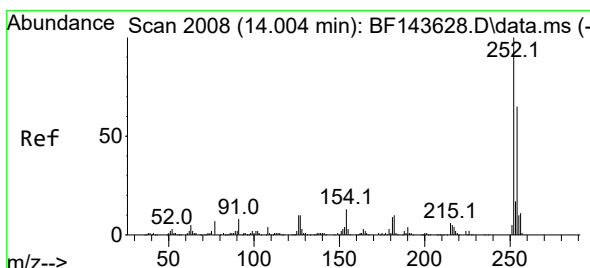
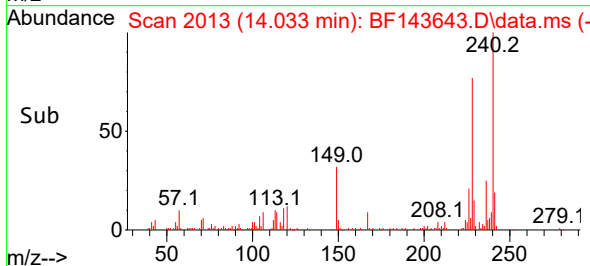
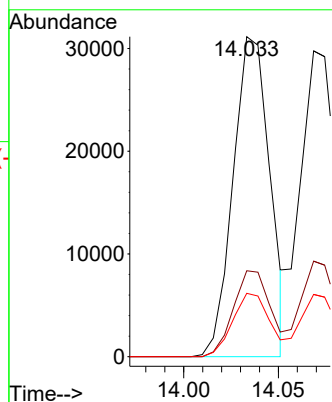
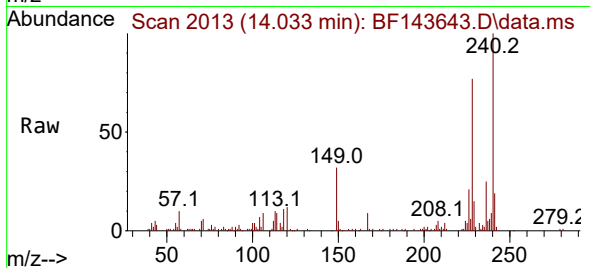
Tgt Ion:228 Resp: 42019

Ion Ratio Lower Upper

228 100

226 26.8 21.4 32.2

229 19.8 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 3.562 ng

RT: 13.998 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

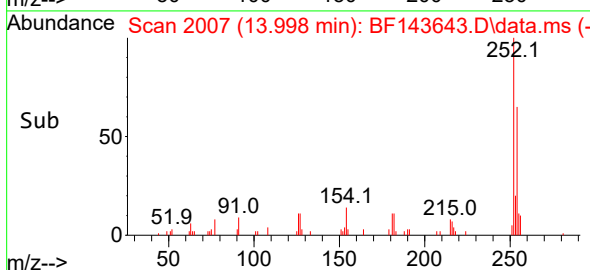
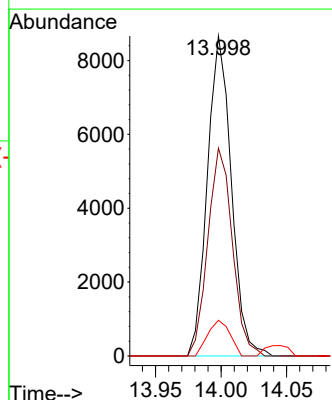
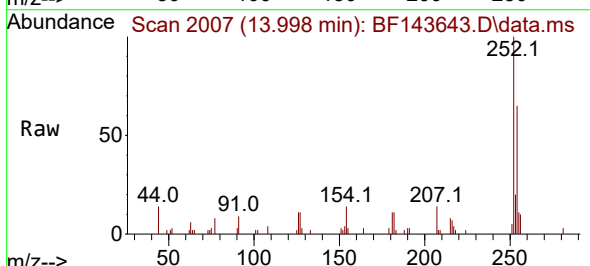
Tgt Ion:252 Resp: 11049

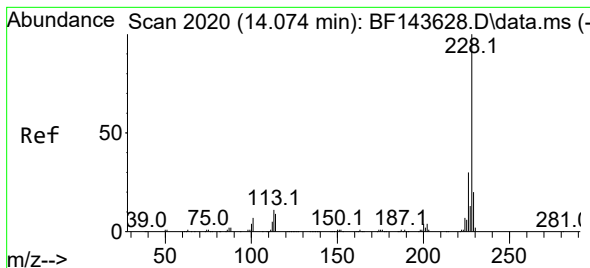
Ion Ratio Lower Upper

252 100

254 65.0 52.2 78.2

126 11.1 8.1 12.1





#83

Chrysene

Concen: 3.945 ng

RT: 14.069 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

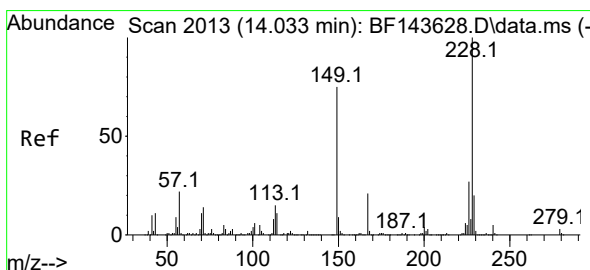
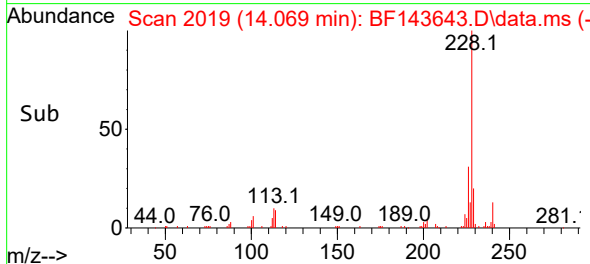
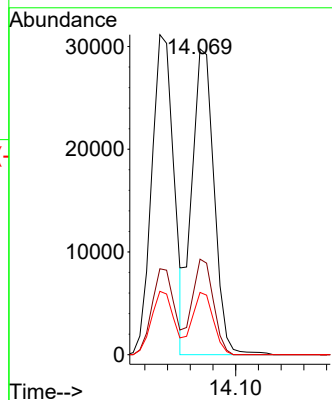
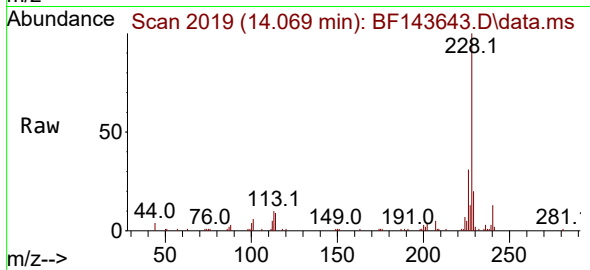
Tgt Ion:228 Resp: 40343

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.6

229 20.4 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.475 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

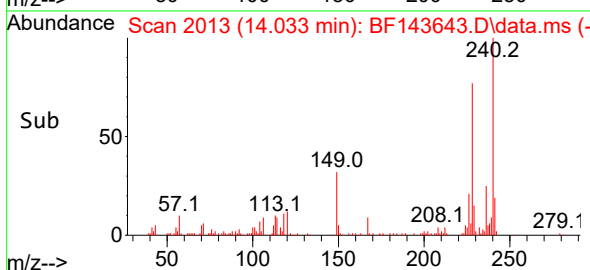
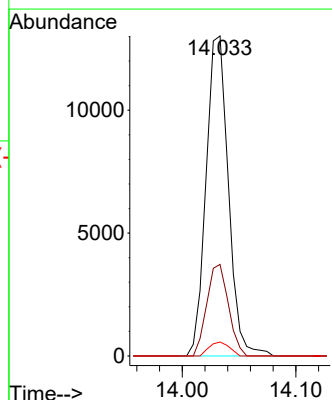
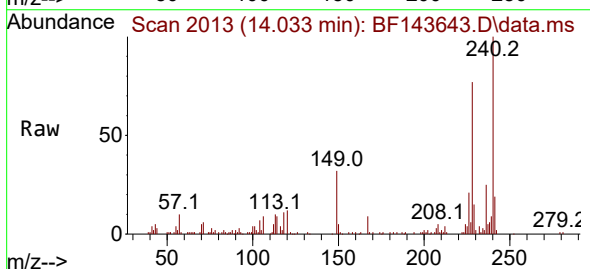
Tgt Ion:149 Resp: 17783

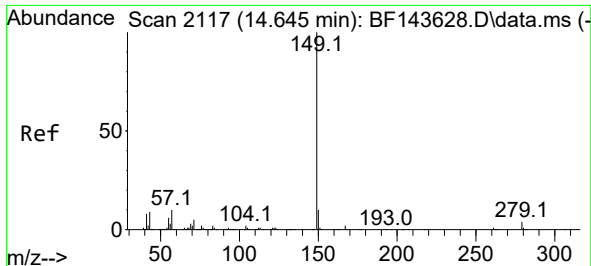
Ion Ratio Lower Upper

149 100

167 28.6 22.1 33.1

279 4.3 3.4 5.2

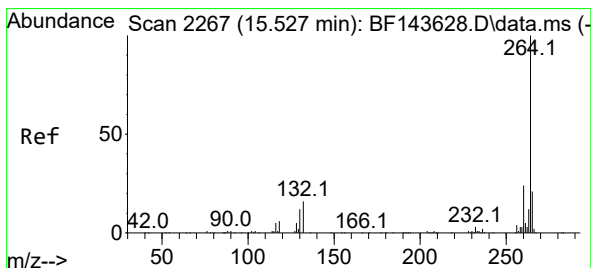
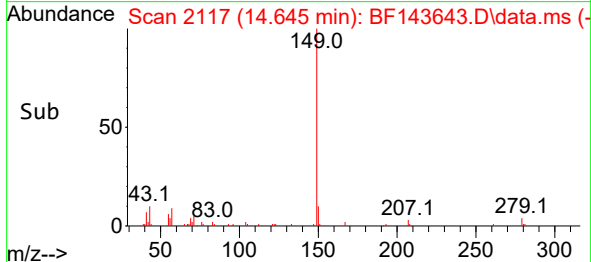
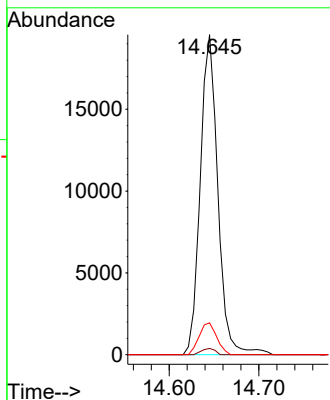
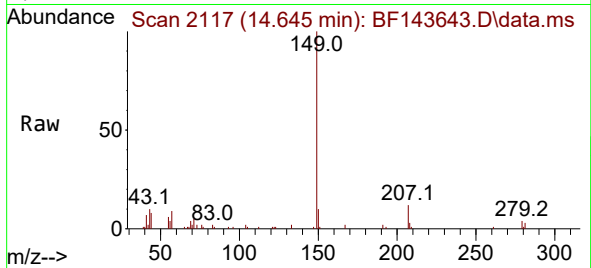




#85
Di-n-octyl phthalate
Concen: 2.551 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

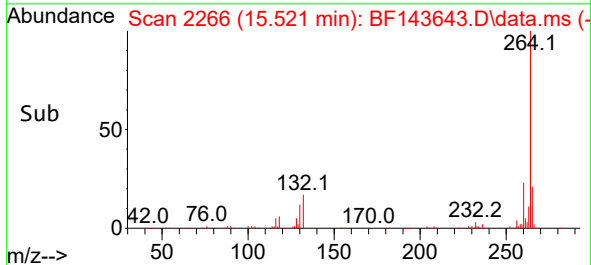
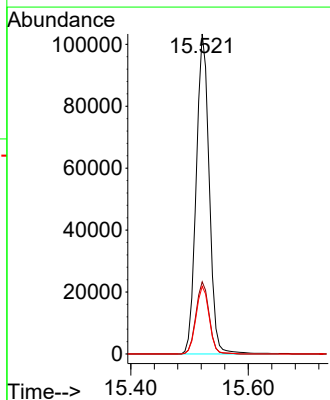
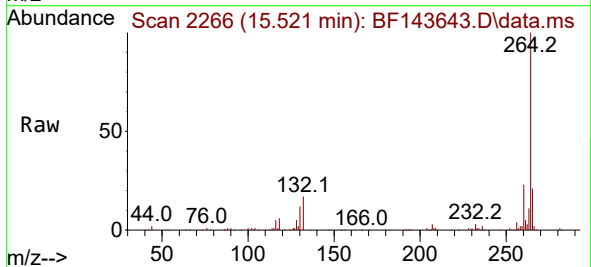
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

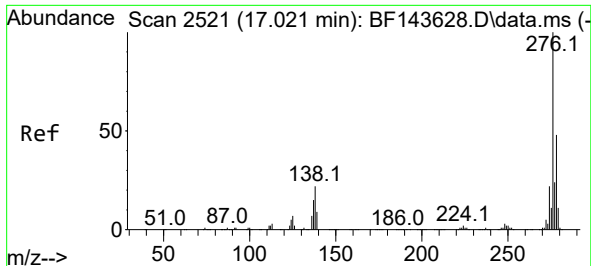
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.9	7.8	11.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.9	28.3
265	21.1	17.1	25.7

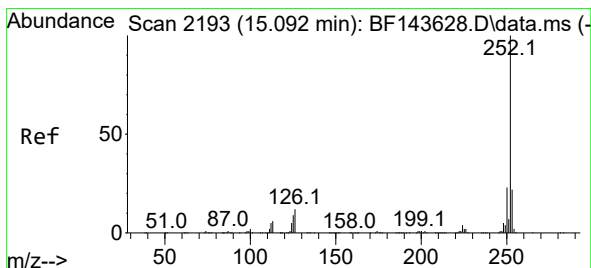
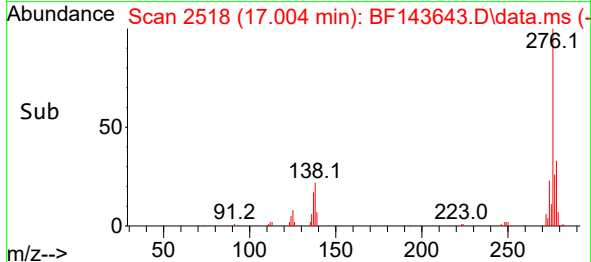
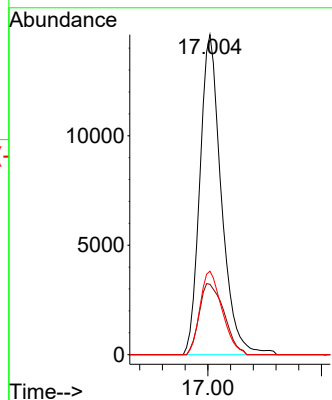
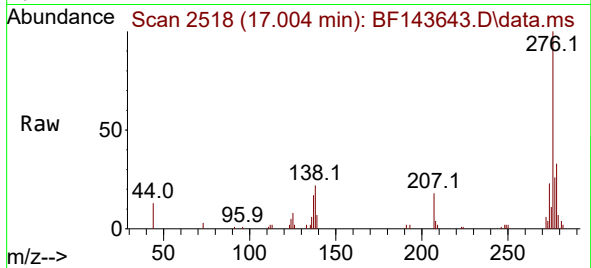




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.463 ng
RT: 17.004 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

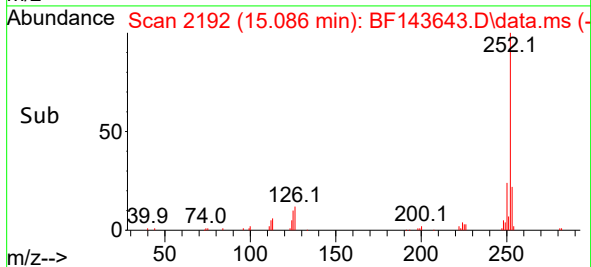
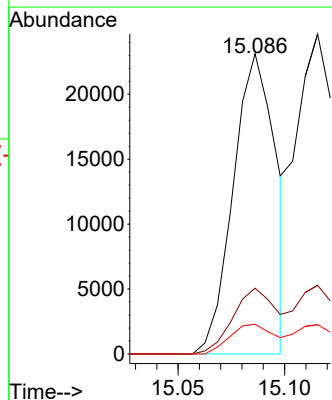
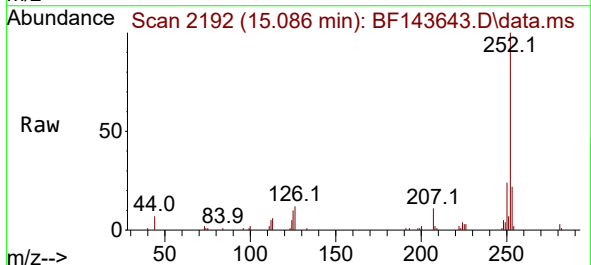
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

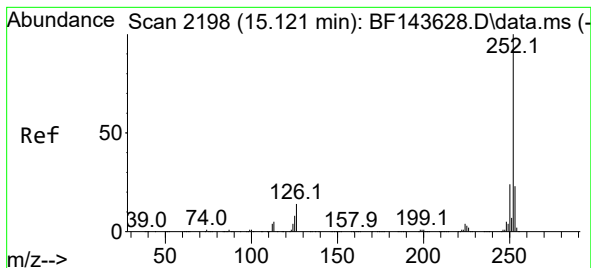
Tgt Ion:276 Resp: 38310
Ion Ratio Lower Upper
276 100
138 25.7 19.8 29.6
277 26.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 3.350 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:252 Resp: 32035
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 9.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 4.241 ng

RT: 15.116 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

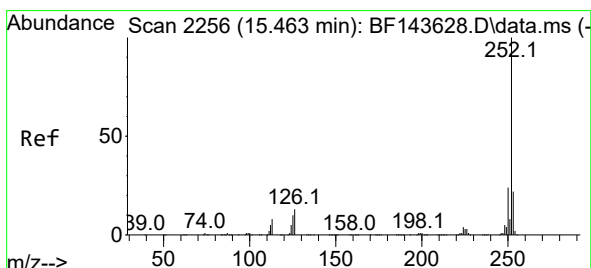
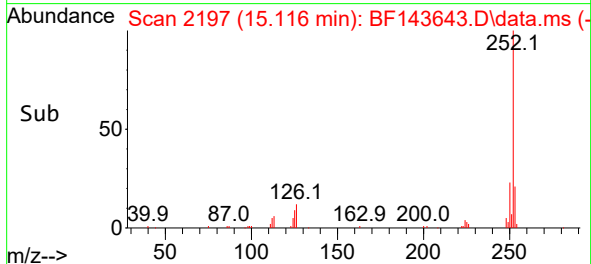
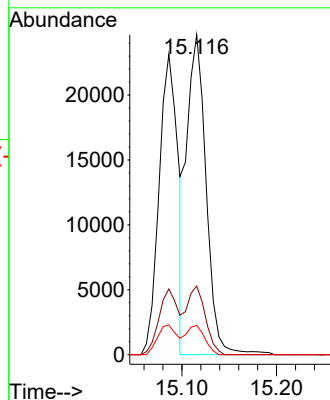
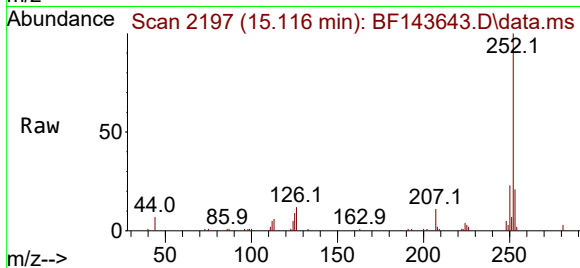
Tgt Ion:252 Resp: 35072

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

125 9.1 7.3 10.9



#90

Benzo(a)pyrene

Concen: 3.659 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF143643.D

Acq: 04 Sep 2025 14:43

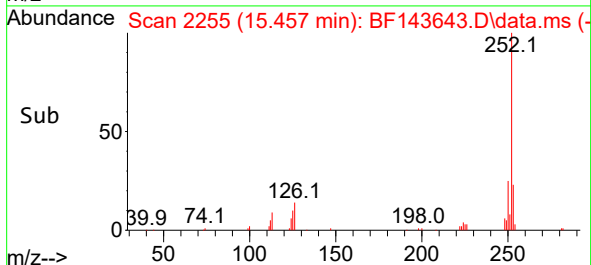
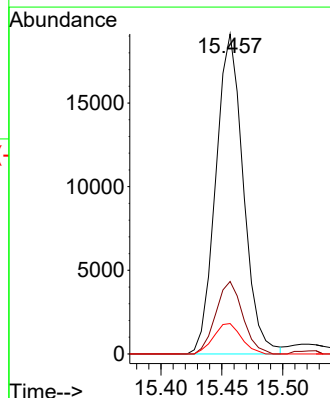
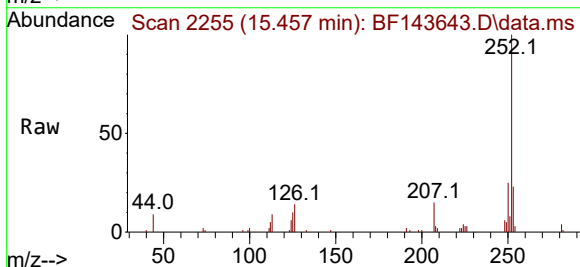
Tgt Ion:252 Resp: 30076

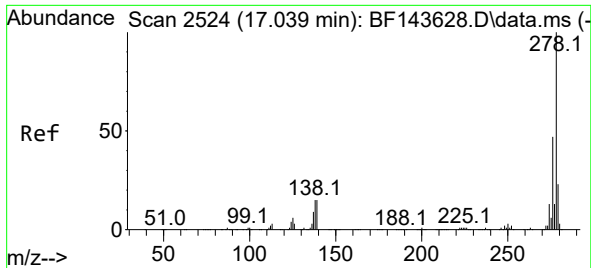
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

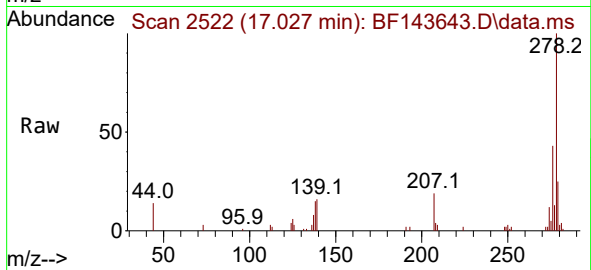
125 9.5 8.3 12.5



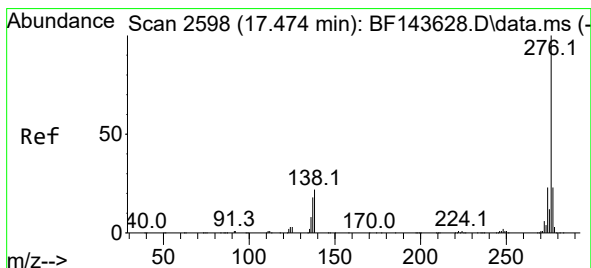
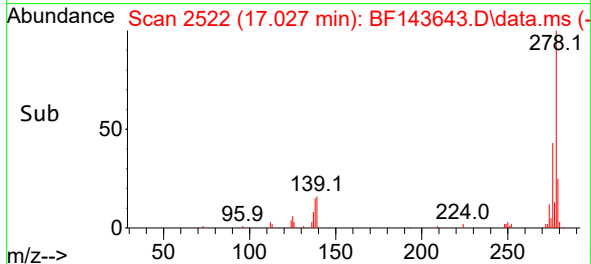
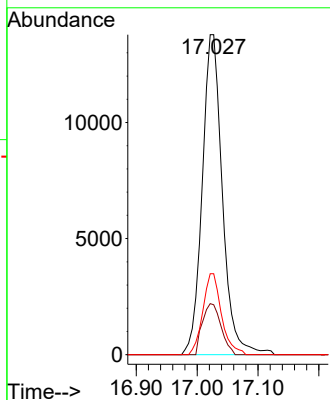


#91
Dibenzo(a,h)anthracene
Concen: 3.495 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:278 Resp: 31803
Ion Ratio Lower Upper
278 100
139 15.6 12.4 18.6
279 25.3 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 3.597 ng
RT: 17.451 min Scan# 2594
Delta R.T. -0.023 min
Lab File: BF143643.D
Acq: 04 Sep 2025 14:43

Tgt Ion:276 Resp: 31528
Ion Ratio Lower Upper
276 100
277 24.0 18.7 28.1
138 20.1 17.2 25.8

