

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090425\
 Data File : BF143644.D
 Acq On : 04 Sep 2025 15:12
 Operator : RC/JU
 Sample : Q2893-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 04 15:56:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	73564	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	279439	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	158599	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	245179	20.000	ng	0.00
76) Chrysene-d12	14.045	240	158553	20.000	ng	0.00
86) Perylene-d12	15.521	264	161401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	513459	123.651	ng	0.00
7) Phenol-d6	6.510	99	638639	123.915	ng	0.00
23) Nitrobenzene-d5	7.451	82	392708	98.773	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	189146	142.618	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	849482	85.573	ng	0.00
79) Terphenyl-d14	12.998	244	809902	85.112	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.669	88	14703	7.505	ng	96
3) Pyridine	3.469	79	36141	6.963	ng	97
4) n-Nitrosodimethylamine	3.369	42	15944	7.396	ng	98
6) Aniline	6.551	93	56691	7.902	ng	97
8) 2-Chlorophenol	6.675	128	35012	8.142	ng	93
9) Benzaldehyde	6.439	77	28341	7.401	ng	98
10) Phenol	6.522	94	47652	8.433	ng	80
11) bis(2-Chloroethyl)ether	6.622	93	34242	7.738	ng	97
12) 1,3-Dichlorobenzene	6.834	146	42109	7.934	ng	98
13) 1,4-Dichlorobenzene	6.910	146	42692	8.020	ng	99
14) 1,2-Dichlorobenzene	7.057	146	40251	7.990	ng	98
15) Benzyl Alcohol	7.022	79	30417	7.767	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.163	45	50578	7.262	ng	99
17) 2-Methylphenol	7.128	107	28158	7.489	ng	98
18) Hexachloroethane	7.404	117	13275	7.994	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	26027	7.930	ng	98
20) 3+4-Methylphenols	7.281	107	37681	7.961	ng	97
22) Acetophenone	7.292	105	51598	8.165	ng	# 96
24) Nitrobenzene	7.469	77	36755	8.646	ng	100
25) Isophorone	7.704	82	67890	7.578	ng	98
26) 2-Nitrophenol	7.786	139	14470	12.048	ng	94
27) 2,4-Dimethylphenol	7.810	122	34881	8.942	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	42900	7.832	ng	98
29) 2,4-Dichlorophenol	8.016	162	30126	7.870	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	34391	8.244	ng	98
31) Naphthalene	8.192	128	108303	7.924	ng	98
32) Benzoic acid	7.863	122	10584	11.286	ng	97
33) 4-Chloroaniline	8.233	127	41829	8.838	ng	99
34) Hexachlorobutadiene	8.310	225	20963	7.726	ng	97
35) Caprolactam	8.563	113	7300	7.117	ng	# 85
36) 4-Chloro-3-methylphenol	8.704	107	30377	7.579	ng	95
37) 2-Methylnaphthalene	8.880	142	64521	6.979	ng	98
38) 1-Methylnaphthalene	8.980	142	67849	7.676	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	35413	8.079	ng	99
41) Hexachlorocyclopentadiene	9.039	237	20202	9.491	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	20868	7.727	ng	99

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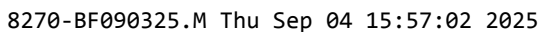
Instrument :
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

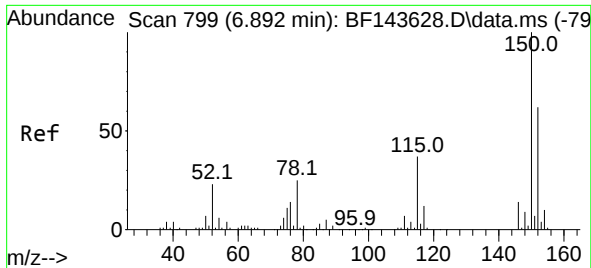
Quant Time: Sep 04 15:56:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	24122	8.652	ng	96
46) 1,1'-Biphenyl	9.345	154	91587	8.120	ng	98
47) 2-Chloronaphthalene	9.369	162	70755	8.016	ng	98
48) 2-Nitroaniline	9.457	65	16507	9.613	ng	96
49) Acenaphthylene	9.786	152	110009	8.647	ng	99
50) Dimethylphthalate	9.639	163	77868	7.754	ng	100
51) 2,6-Dinitrotoluene	9.698	165	14070	10.886	ng	96
52) Acenaphthene	9.957	154	65794	7.732	ng	99
53) 3-Nitroaniline	9.869	138	14790	9.866	ng	96
54) 2,4-Dinitrophenol	9.969	184	3366	11.993	ng	# 1
55) Dibenzofuran	10.127	168	97925	7.921	ng	99
56) 4-Nitrophenol	10.010	139	9985	6.706	ng	95
57) 2,4-Dinitrotoluene	10.098	165	16181	9.885	ng	96
58) Fluorene	10.474	166	75857	7.932	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	19026	8.986	ng	98
60) Diethylphthalate	10.339	149	71317	7.480	ng	98
61) 4-Chlorophenyl-phenyle...	10.469	204	38293	8.025	ng	100
62) 4-Nitroaniline	10.474	138	12370	8.713	ng	97
63) Azobenzene	10.627	77	67850	7.550	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	5589	12.956	ng	94
66) n-Nitrosodiphenylamine	10.580	169	63793	8.061	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	22804	8.020	ng	97
68) Hexachlorobenzene	11.016	284	23942	8.016	ng	96
69) Atrazine	11.104	200	17639	7.456	ng	99
70) Pentachlorophenol	11.210	266	11894	7.089	ng	99
71) Phenanthrene	11.433	178	106663	8.045	ng	98
72) Anthracene	11.486	178	108636	8.170	ng	99
73) Carbazole	11.639	167	85014	7.585	ng	98
74) Di-n-butylphthalate	11.974	149	93434	7.425	ng	99
75) Fluoranthene	12.621	202	93928	7.714	ng	99
77) Benzidine	12.739	184	40399	11.137	ng	96
78) Pyrene	12.851	202	94970	7.259	ng	99
80) Butylbenzylphthalate	13.468	149	24474	8.767	ng	95
81) Benzo(a)anthracene	14.039	228	79844	7.775	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	22369	7.990	ng	99
83) Chrysene	14.074	228	67553	7.318	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	39769	9.283	ng	100
85) Di-n-octyl phthalate	14.645	149	63348	6.734	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.003	276	82910	7.369	ng	98
88) Benzo(b)fluoranthene	15.086	252	73725	7.582	ng	100
89) Benzo(k)fluoranthene	15.115	252	59939	7.127	ng	98
90) Benzo(a)pyrene	15.457	252	63916	7.646	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	68331	7.383	ng	98
92) Benzo(g,h,i)perylene	17.450	276	67506	7.572	ng	99

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

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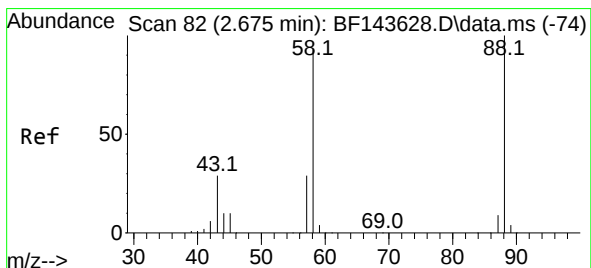
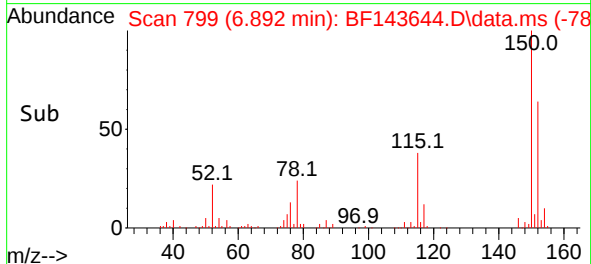
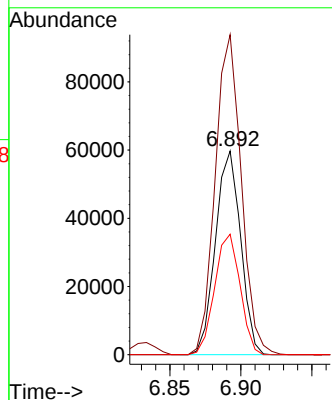
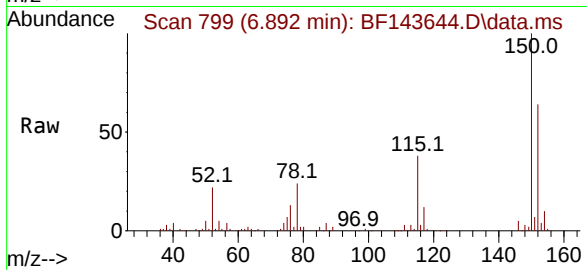




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

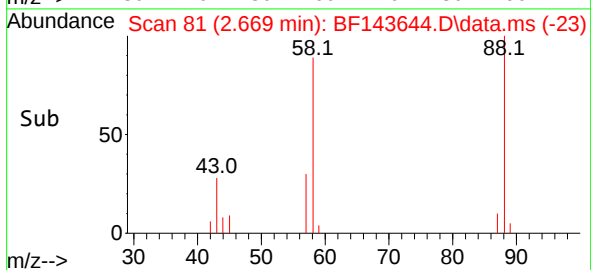
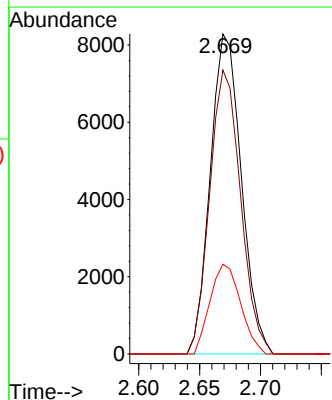
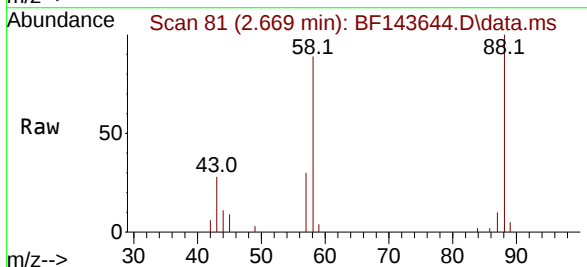
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

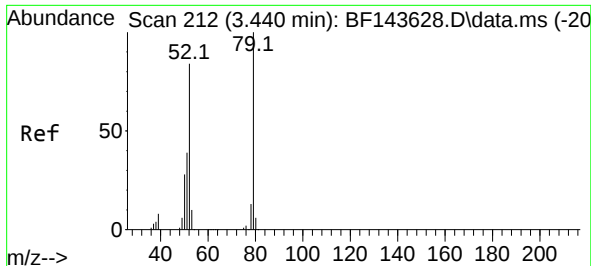
Tgt Ion:152 Resp: 73564
 Ion Ratio Lower Upper
 152 100
 150 157.1 128.4 192.6
 115 59.1 47.9 71.9



#2
 1,4-Dioxane
 Concen: 7.505 ng
 RT: 2.669 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

Tgt Ion: 88 Resp: 14703
 Ion Ratio Lower Upper
 88 100
 58 88.2 73.9 110.9
 43 27.5 23.4 35.2





#3

Pyridine

Concen: 6.963 ng

RT: 3.469 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

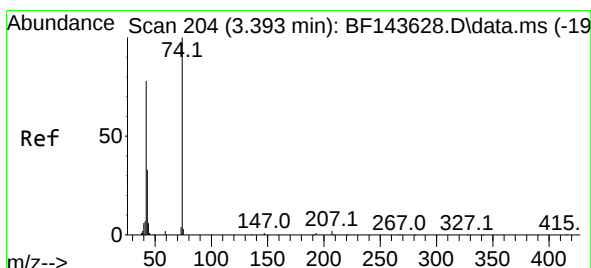
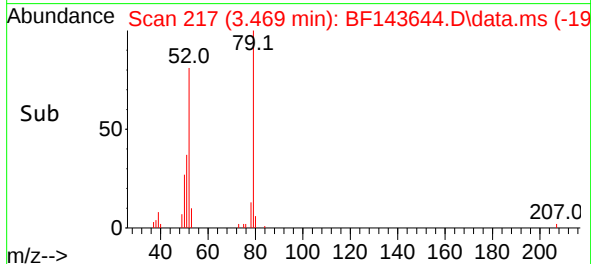
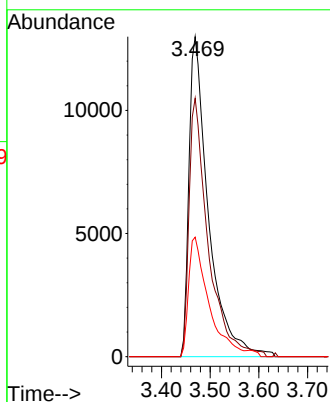
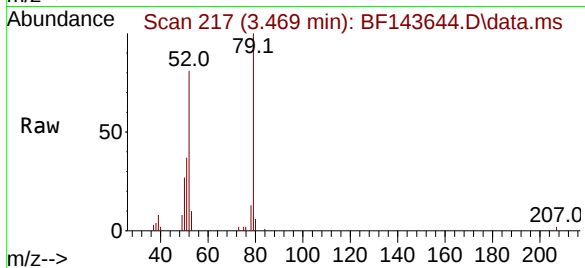
Tgt Ion: 79 Resp: 36141

Ion Ratio Lower Upper

79 100

52 80.8 67.4 101.2

51 37.4 31.0 46.6



#4

n-Nitrosodimethylamine

Concen: 7.396 ng

RT: 3.369 min Scan# 200

Delta R.T. -0.024 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

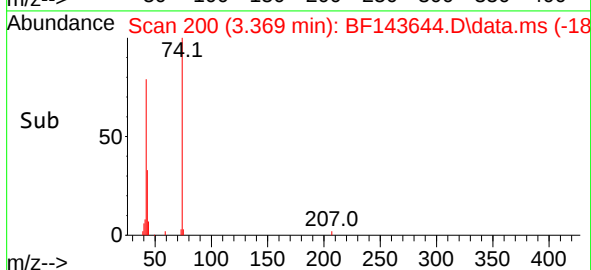
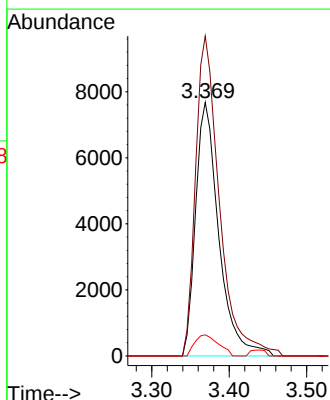
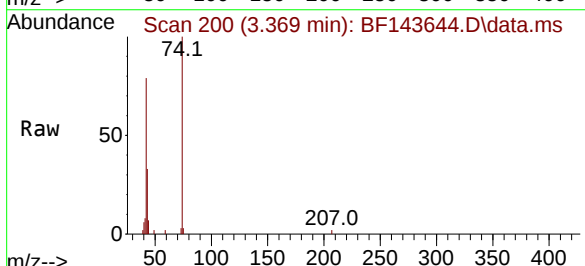
Tgt Ion: 42 Resp: 15944

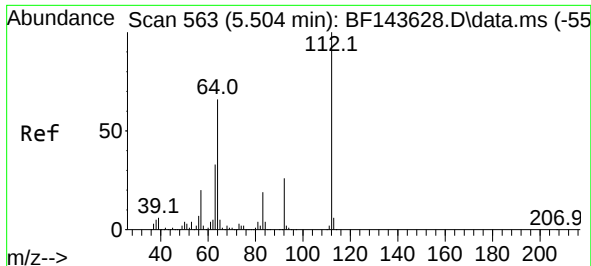
Ion Ratio Lower Upper

42 100

74 126.2 102.9 154.3

44 8.3 6.5 9.7

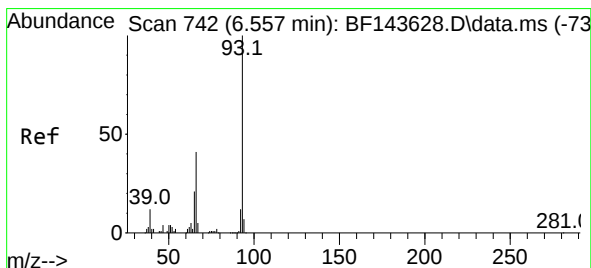
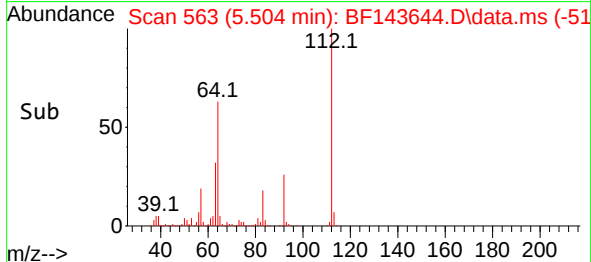
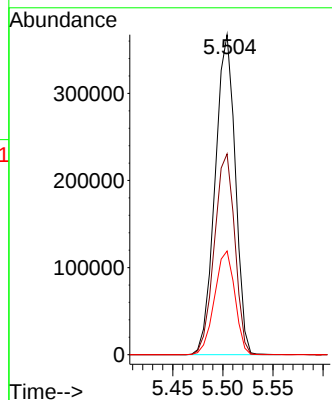
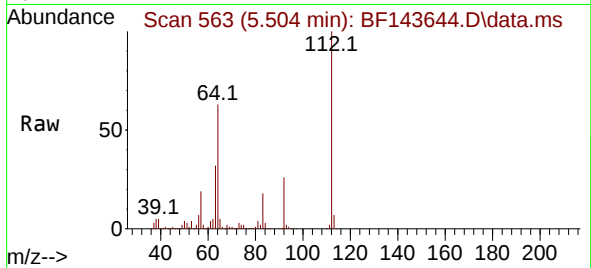




#5
2-Fluorophenol
Concen: 123.651 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

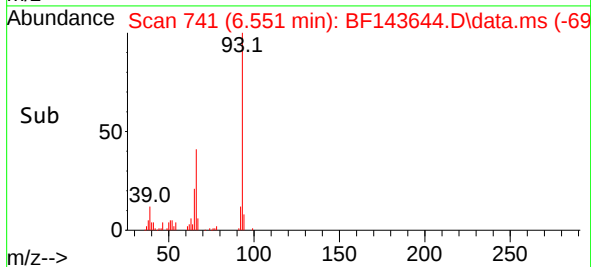
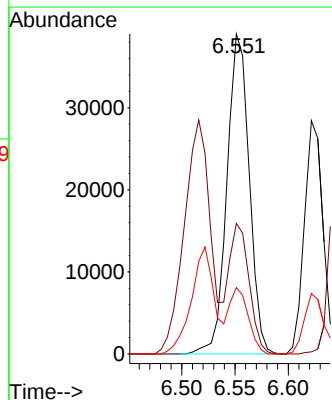
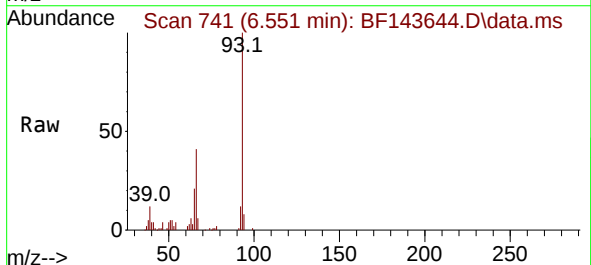
Instrument :
BNA_F
ClientSampleId :
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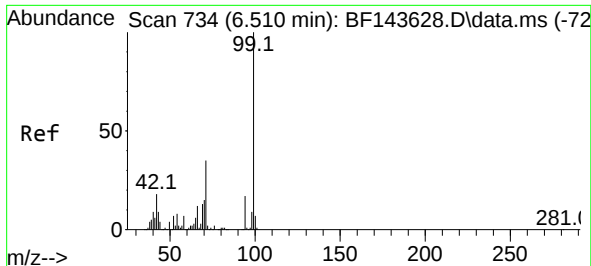
Tgt Ion:112 Resp: 513459
Ion Ratio Lower Upper
112 100
64 62.8 52.7 79.1
63 32.4 26.5 39.7



#6
Aniline
Concen: 7.902 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion: 93 Resp: 56691
Ion Ratio Lower Upper
93 100
66 40.8 34.6 51.8
65 20.8 16.9 25.3



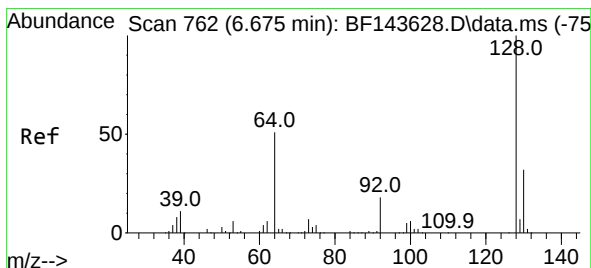
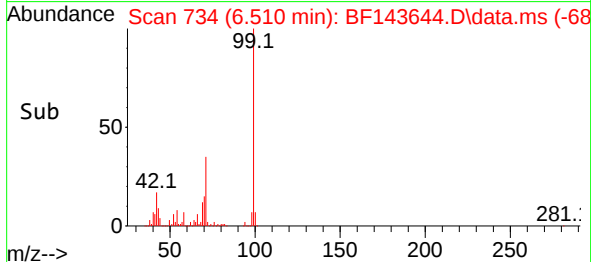
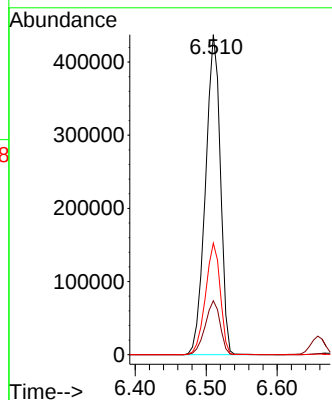
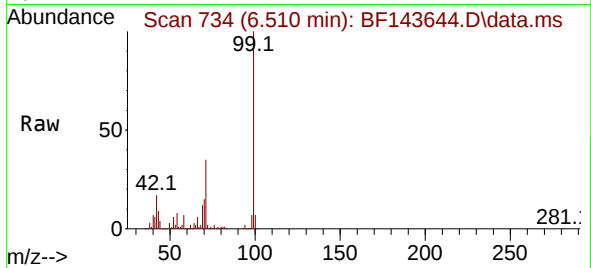


#7
Phenol-d6
Concen: 123.915 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

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

Tgt Ion: 99 Resp: 638639

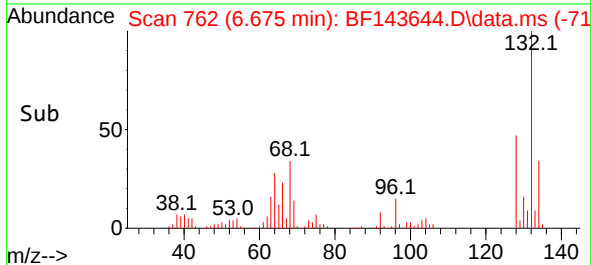
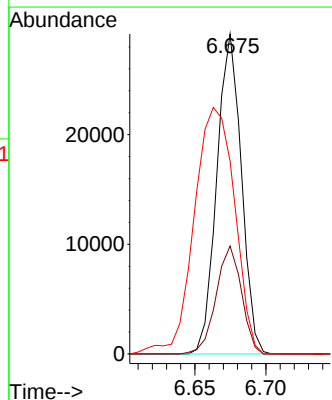
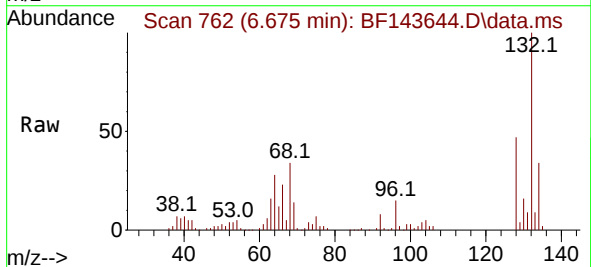
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	22.0
71	34.8	28.0	42.0

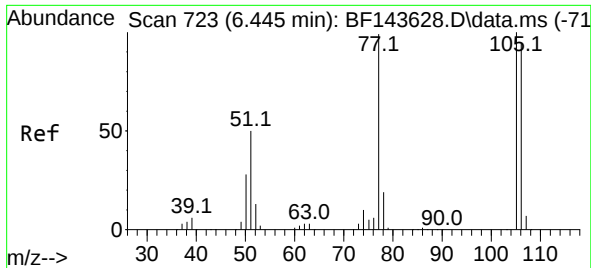


#8
2-Chlorophenol
Concen: 8.142 ng
RT: 6.675 min Scan# 762
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion: 128 Resp: 35012

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.3	52.3
64	60.2	32.9	72.9





#9

Benzaldehyde

Concen: 7.401 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

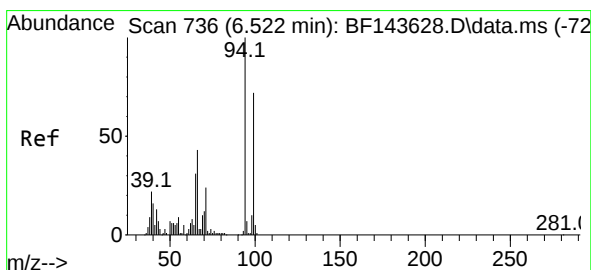
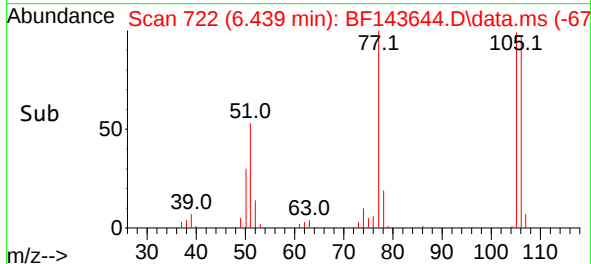
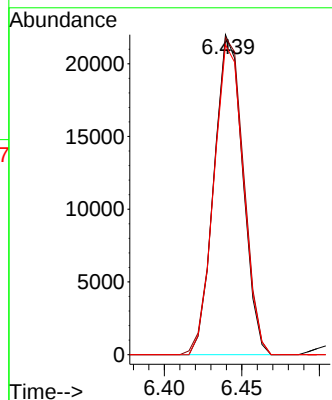
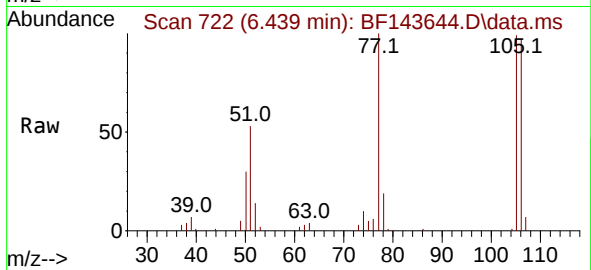
Tgt Ion: 77 Resp: 28341

Ion Ratio Lower Upper

77 100

105 99.1 80.9 120.9

106 96.8 75.1 115.1



#10

Phenol

Concen: 8.433 ng

RT: 6.522 min Scan# 736

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

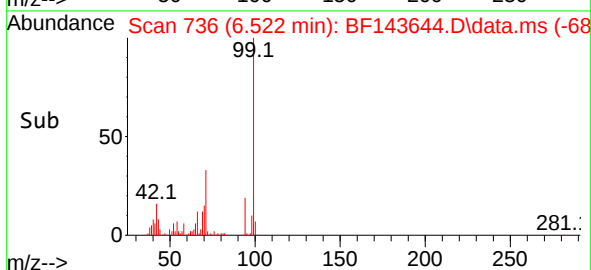
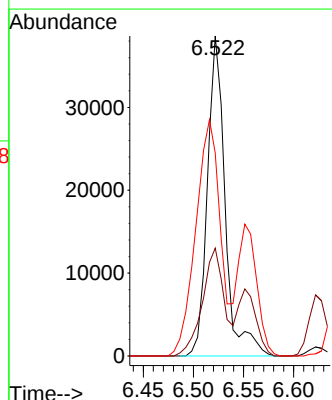
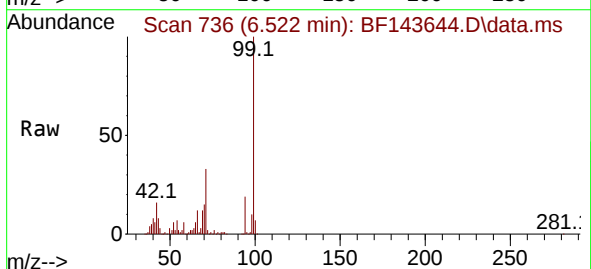
Tgt Ion: 94 Resp: 47652

Ion Ratio Lower Upper

94 100

65 33.7 11.4 51.4

66 63.4 23.7 63.7

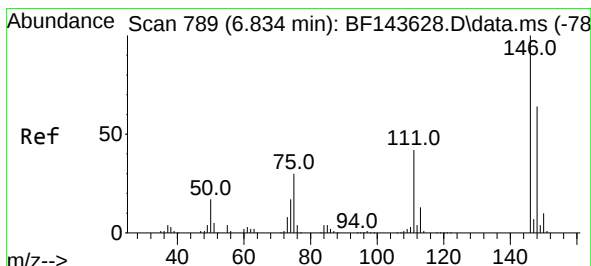
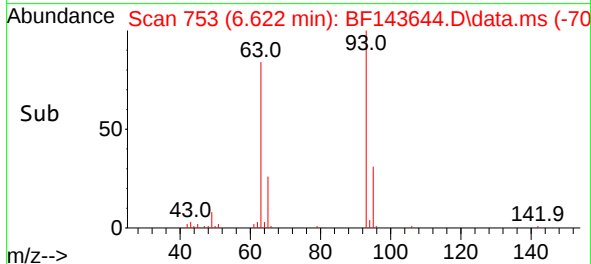
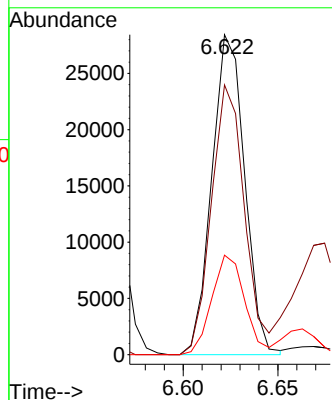
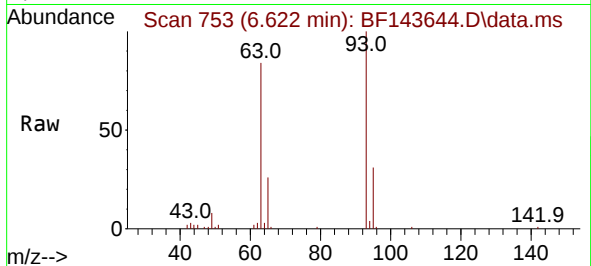




#11
bis(2-Chloroethyl)ether
Concen: 7.738 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

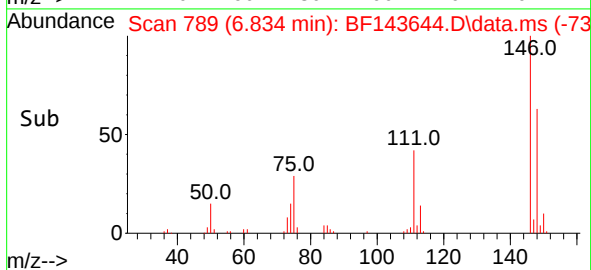
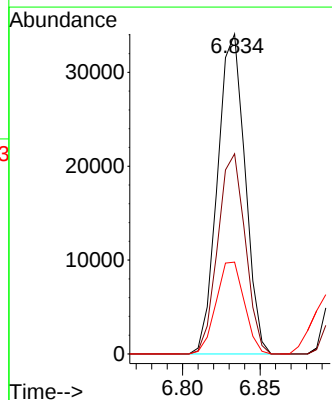
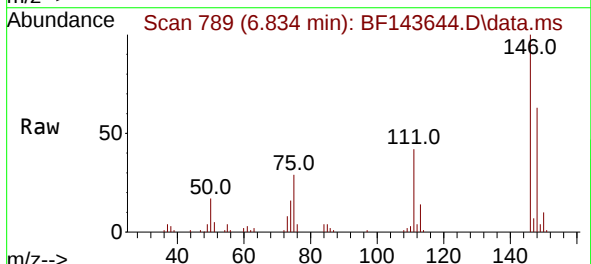
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

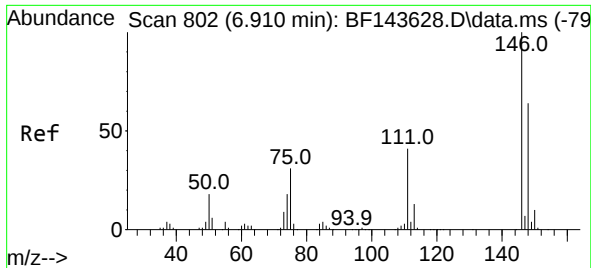
Tgt Ion: 93 Resp: 34242
Ion Ratio Lower Upper
93 100
63 84.3 66.5 106.5
95 31.1 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 7.934 ng
RT: 6.834 min Scan# 789
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:146 Resp: 42109
Ion Ratio Lower Upper
146 100
148 62.5 50.9 76.3
75 28.7 24.2 36.2





#13

1,4-Dichlorobenzene

Concen: 8.020 ng

RT: 6.910 min Scan# 802

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

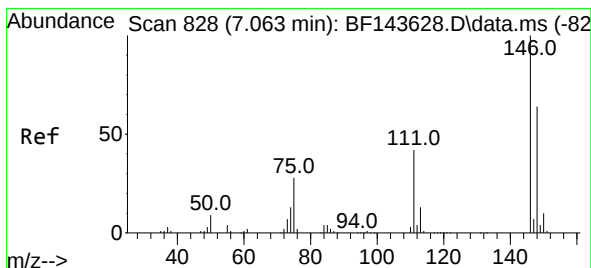
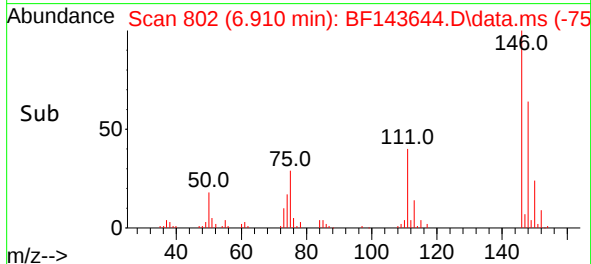
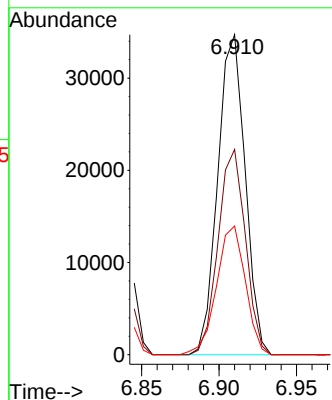
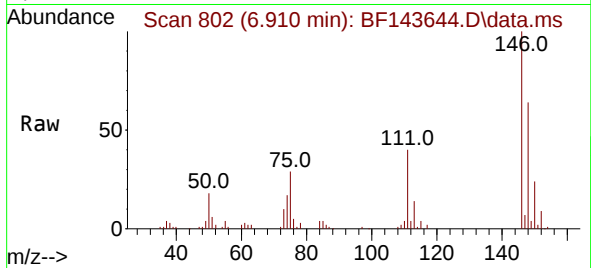
Tgt Ion:146 Resp: 42692

Ion Ratio Lower Upper

146 100

148 64.1 51.4 77.2

111 40.2 33.1 49.7



#14

1,2-Dichlorobenzene

Concen: 7.990 ng

RT: 7.057 min Scan# 827

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

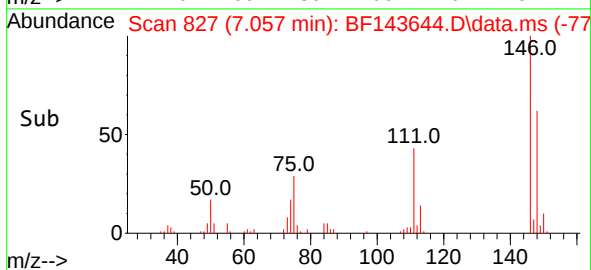
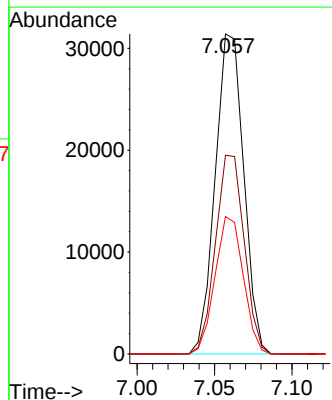
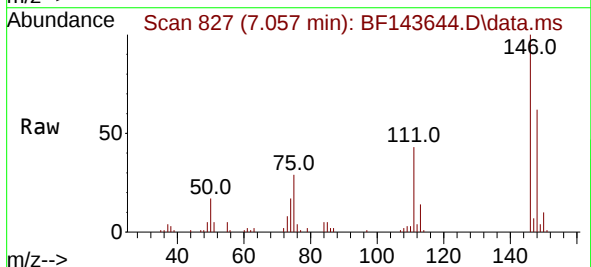
Tgt Ion:146 Resp: 40251

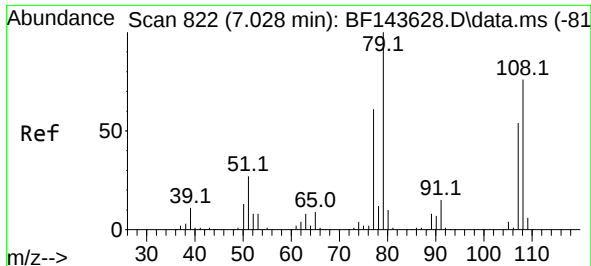
Ion Ratio Lower Upper

146 100

148 62.1 51.2 76.8

111 42.9 33.9 50.9

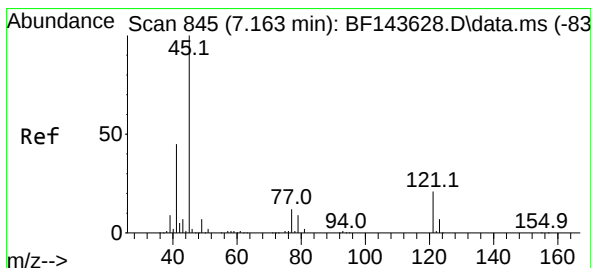
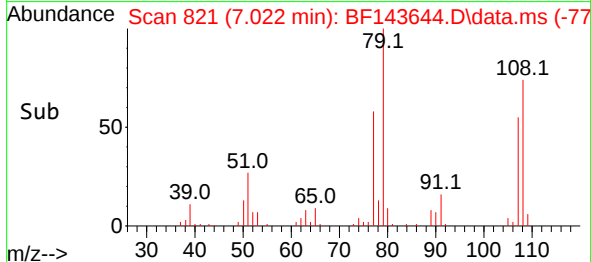
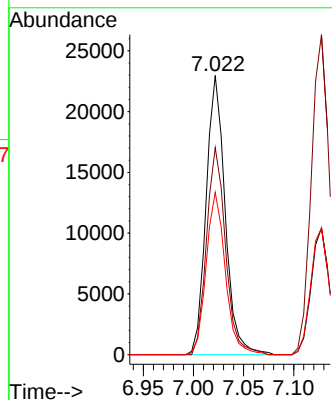
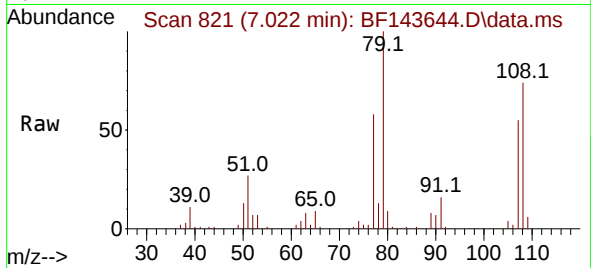




#15
Benzyl Alcohol
Concen: 7.767 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

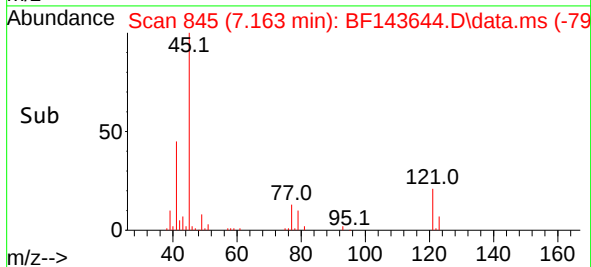
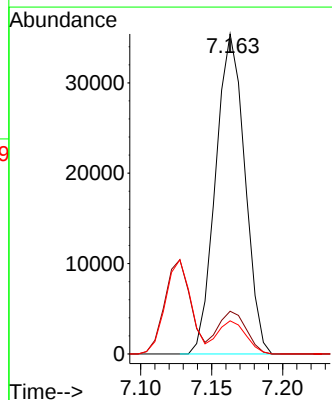
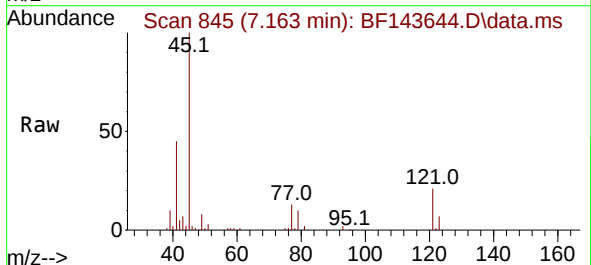
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

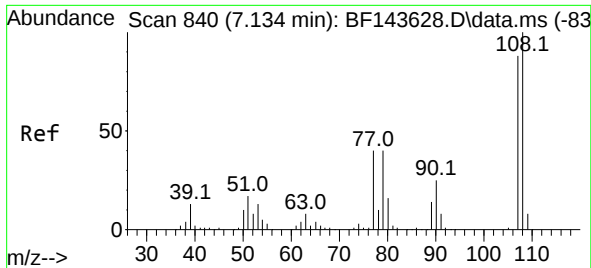
Tgt Ion: 79 Resp: 30417
Ion Ratio Lower Upper
79 100
108 74.2 60.9 91.3
77 58.1 48.4 72.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.262 ng
RT: 7.163 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion: 45 Resp: 50578
Ion Ratio Lower Upper
45 100
77 13.4 0.0 33.5
79 10.3 0.0 29.8

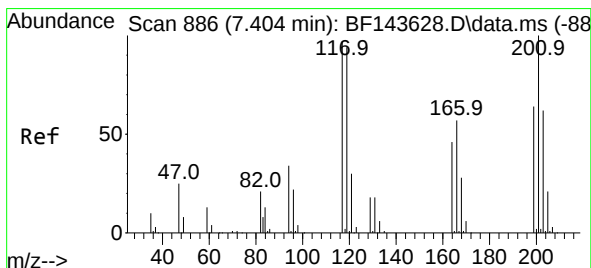
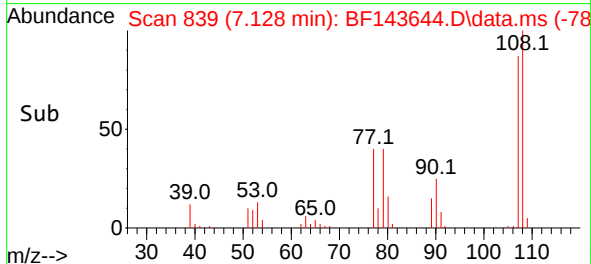
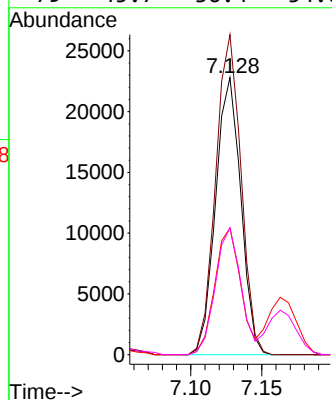
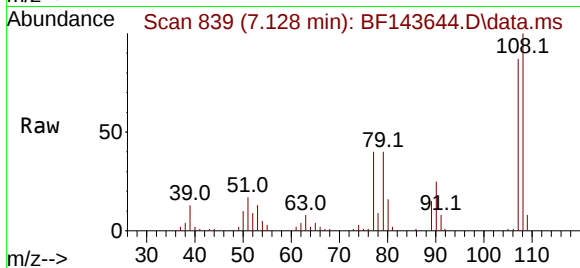




#17
2-Methylphenol
Concen: 7.489 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

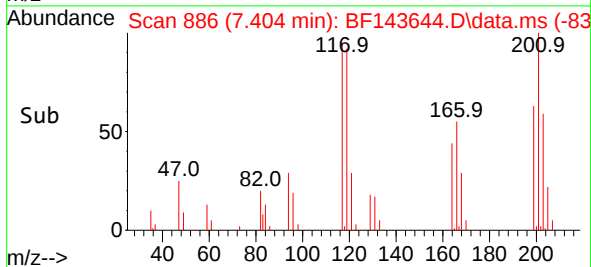
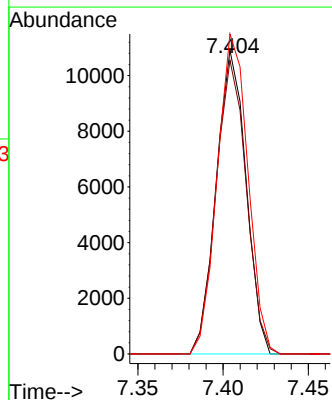
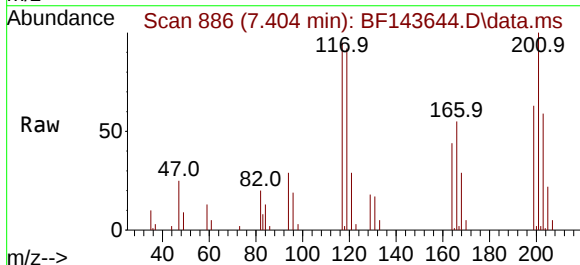
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	107	Resp:	28158
Ion	Ratio	Lower	Upper
107	100		
108	115.5	90.5	135.7
77	45.7	35.9	53.9
79	45.7	36.4	54.6



#18
Hexachloroethane
Concen: 7.994 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:	117	Resp:	13275
Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.7	116.5
201	105.4	82.7	124.1

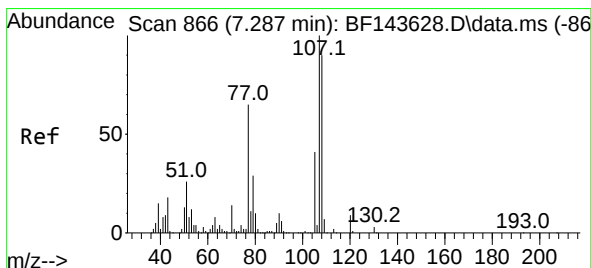
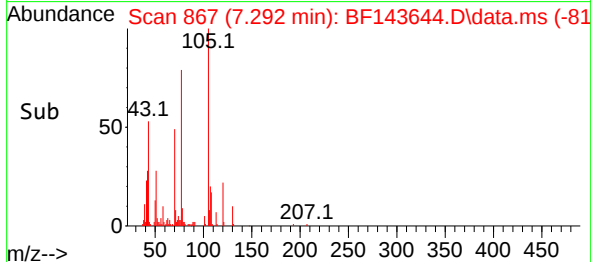
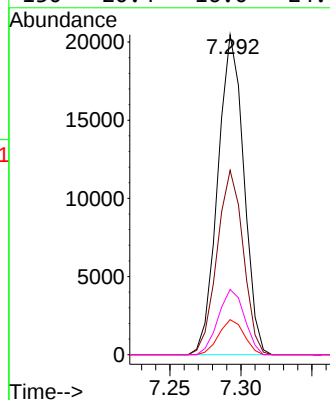
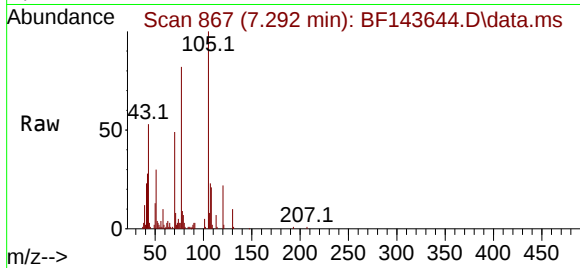




#19
n-Nitroso-di-n-propylamine
Concen: 7.930 ng
RT: 7.292 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

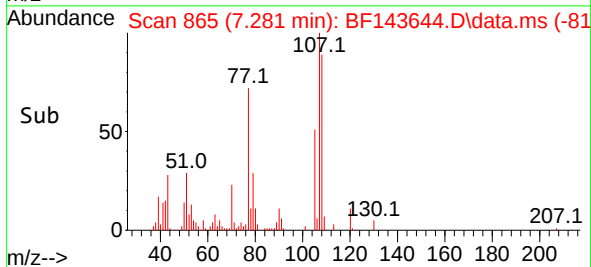
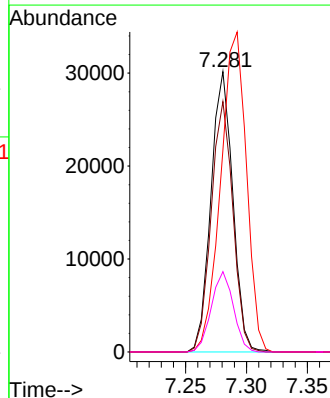
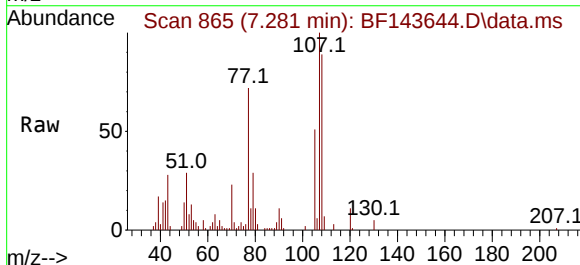
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

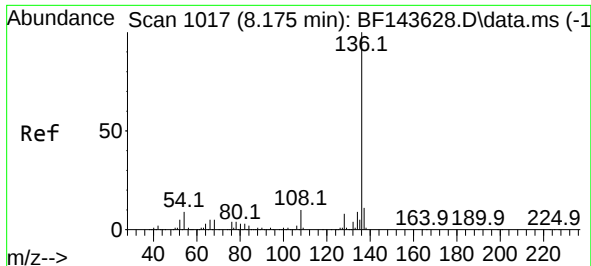
Tgt Ion:	70	Resp:	26027
Ion	Ratio	Lower	Upper
70	100		
42	57.6	45.2	67.8
101	11.0	7.6	11.4
130	20.4	16.0	24.0



#20
3+4-Methylphenols
Concen: 7.961 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:	107	Resp:	37681
Ion	Ratio	Lower	Upper
107	100		
108	89.3	69.6	109.6
77	72.0	45.5	85.5
79	28.6	9.0	49.0

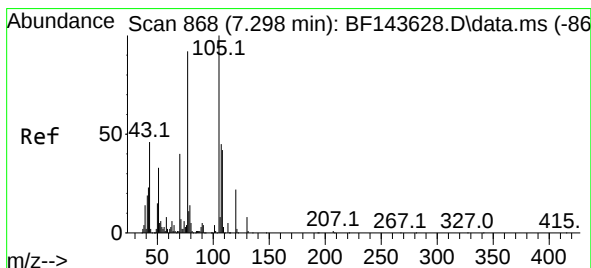
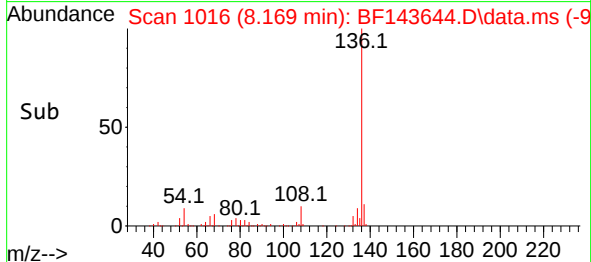
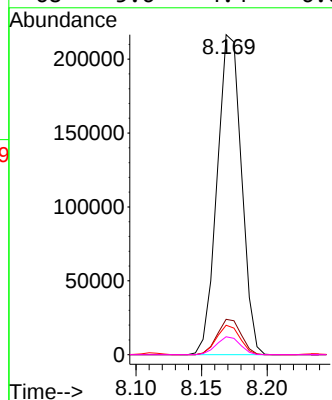
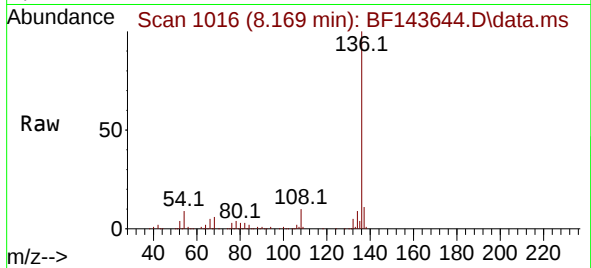




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

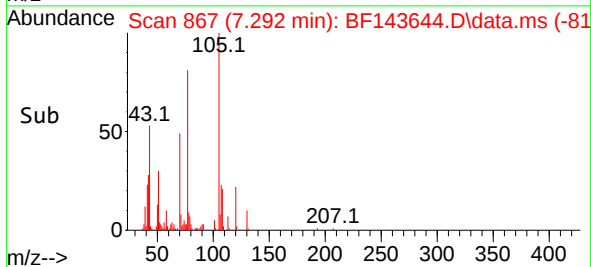
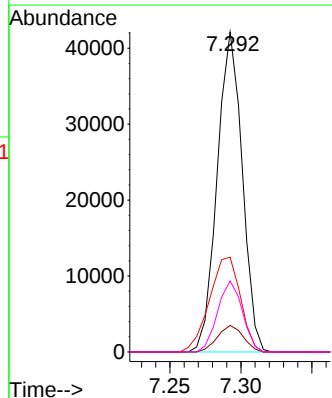
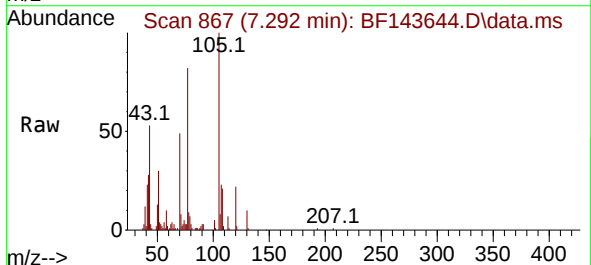
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

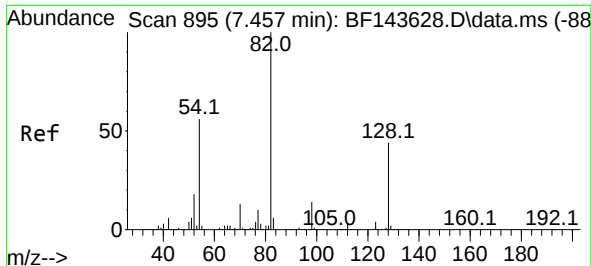
Tgt Ion:	136	Resp:	279439
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.2	7.3	10.9
68	5.6	4.4	6.6



#22
Acetophenone
Concen: 8.165 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:	105	Resp:	51598
Ion	Ratio	Lower	Upper
105	100		
71	8.3	5.3	7.9#
51	29.6	26.7	40.1
120	22.2	17.5	26.3





#23

Nitrobenzene-d5

Concen: 98.773 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

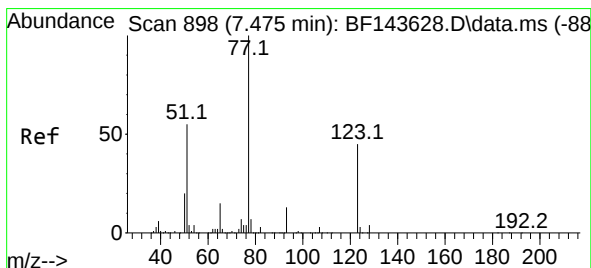
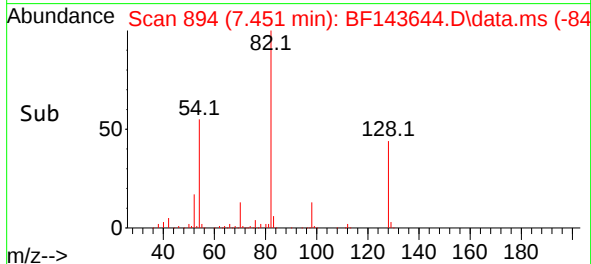
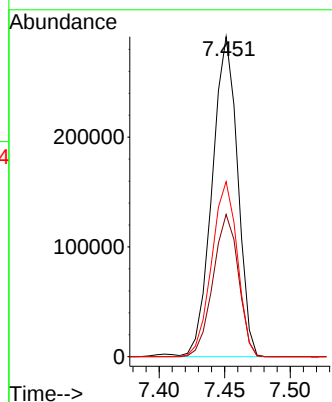
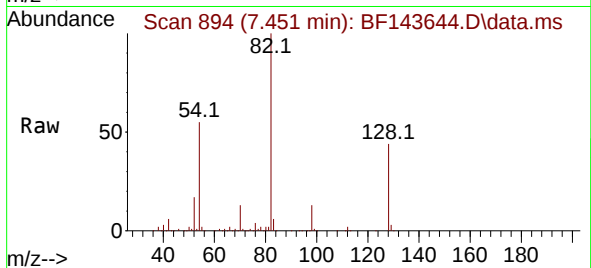
Tgt Ion: 82 Resp: 392708

Ion Ratio Lower Upper

82 100

128 44.5 34.7 52.1

54 54.7 44.8 67.2



#24

Nitrobenzene

Concen: 8.646 ng

RT: 7.469 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

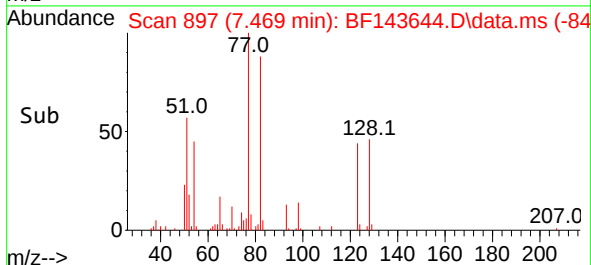
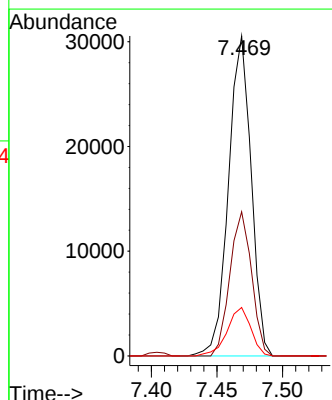
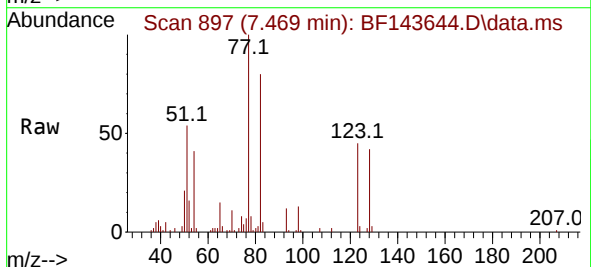
Tgt Ion: 77 Resp: 36755

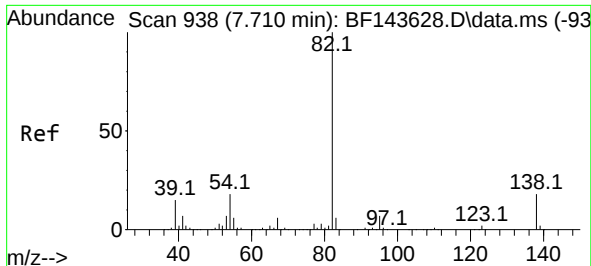
Ion Ratio Lower Upper

77 100

123 45.1 36.2 54.4

65 15.1 11.8 17.8

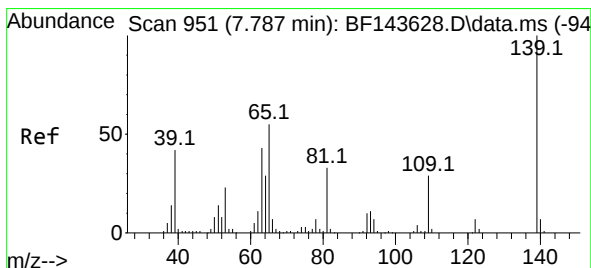
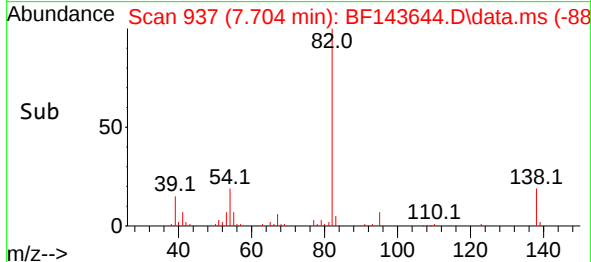
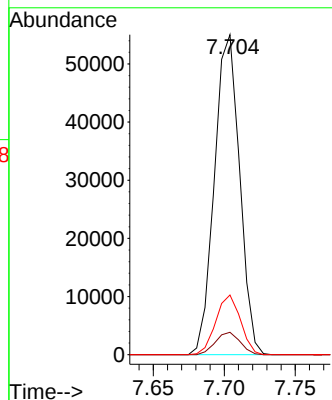
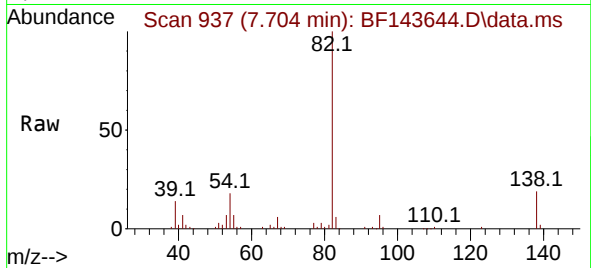




#25
Isophorone
Concen: 7.578 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

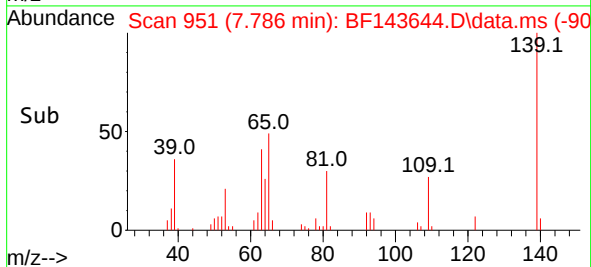
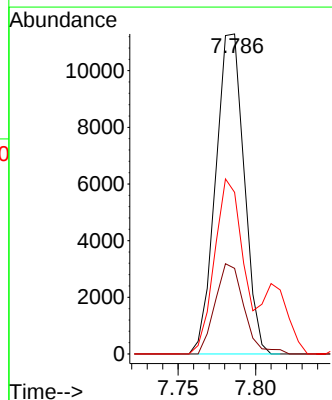
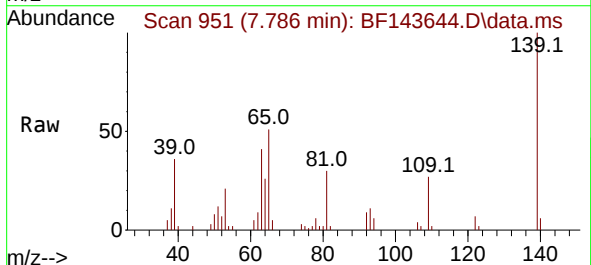
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

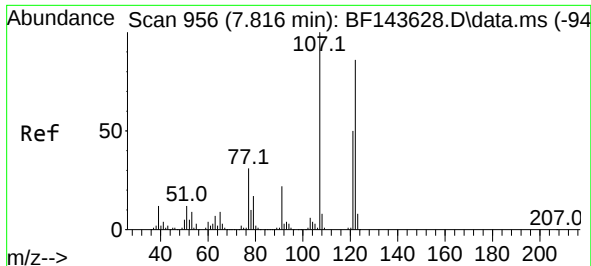
Tgt Ion: 82 Resp: 67890
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 18.6 14.2 21.2



#26
2-Nitrophenol
Concen: 12.048 ng
RT: 7.786 min Scan# 951
Delta R.T. -0.001 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:139 Resp: 14470
Ion Ratio Lower Upper
139 100
109 26.8 23.5 35.3
65 50.5 44.1 66.1

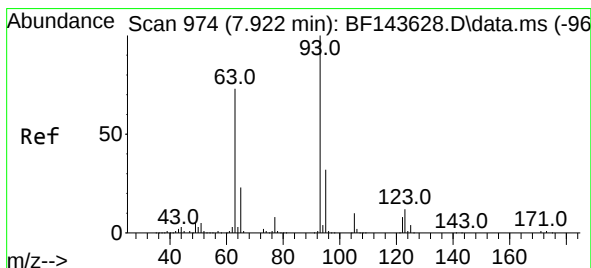
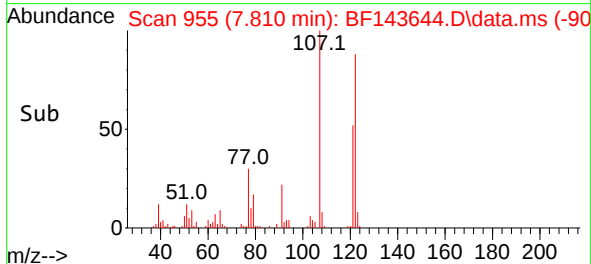
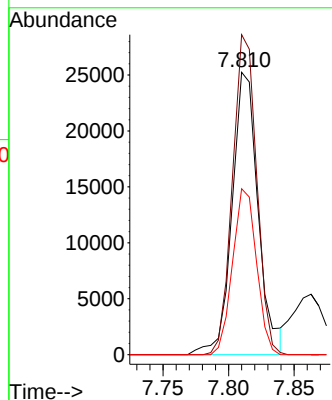
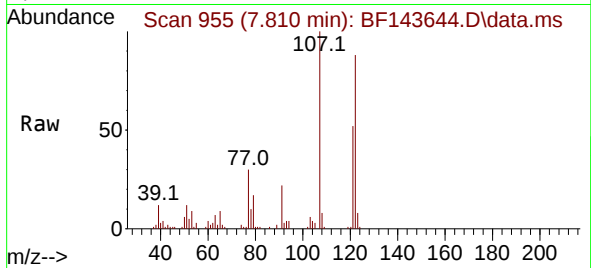




#27
2,4-Dimethylphenol
Concen: 8.942 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

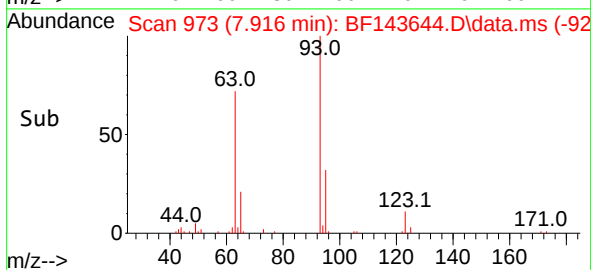
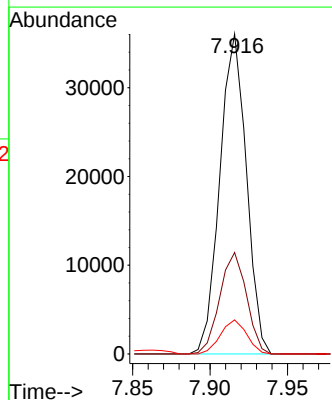
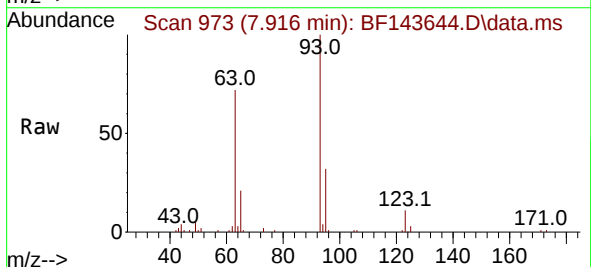
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

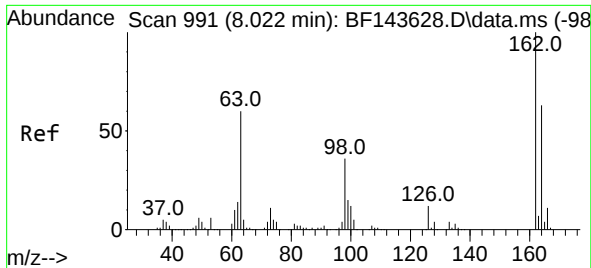
Tgt Ion:122 Resp: 34881
Ion Ratio Lower Upper
122 100
107 113.3 93.4 140.0
121 58.8 46.9 70.3



#28
bis(2-Chloroethoxy)methane
Concen: 7.832 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion: 93 Resp: 42900
Ion Ratio Lower Upper
93 100
95 31.7 25.8 38.8
123 10.6 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 7.870 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143644.D

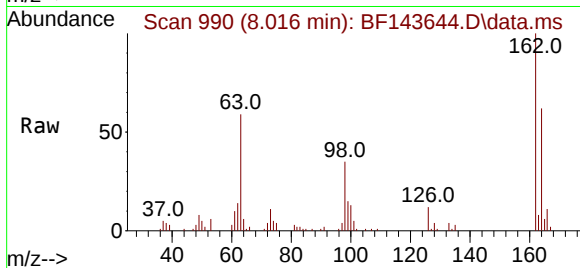
Acq: 04 Sep 2025 15:12

Instrument :

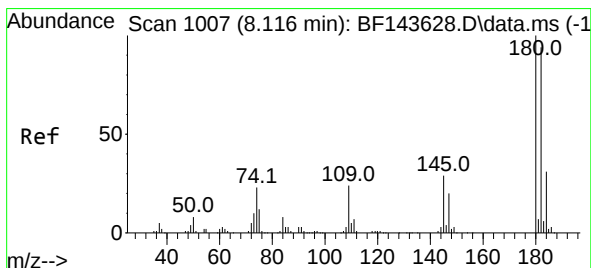
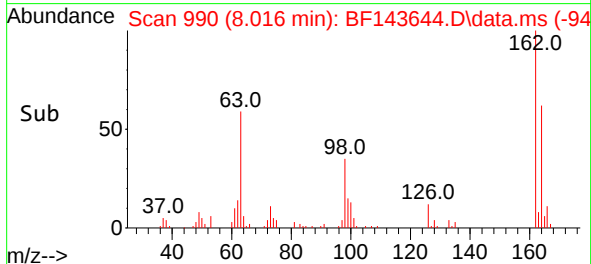
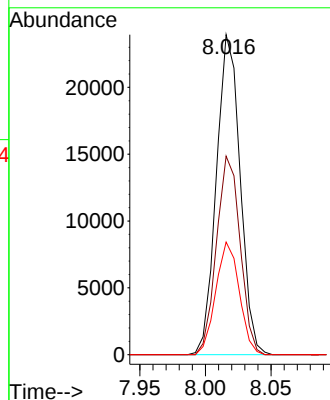
BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:	162	Resp:	30126
Ion Ratio	Lower	Upper	
162	100		
164	62.0	42.9	82.9
98	35.2	15.9	55.9



#30

1,2,4-Trichlorobenzene

Concen: 8.244 ng

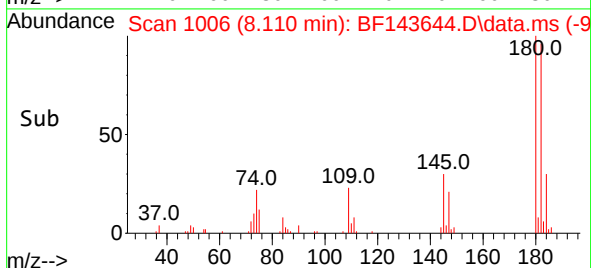
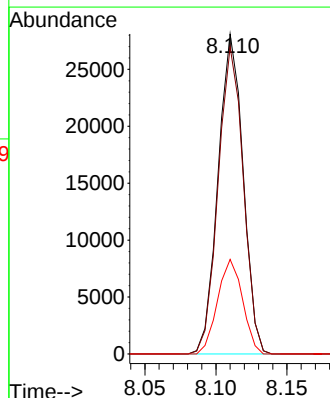
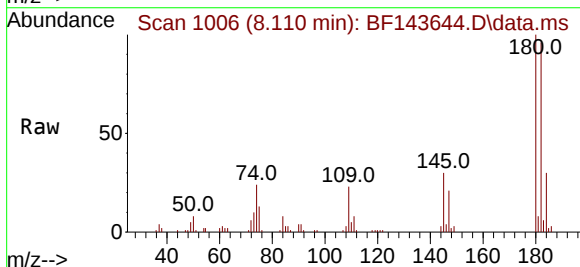
RT: 8.110 min Scan# 1006

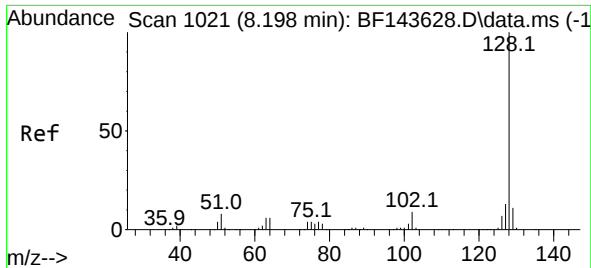
Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Tgt Ion:	180	Resp:	34391
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.2	112.8
145	29.6	23.6	35.4

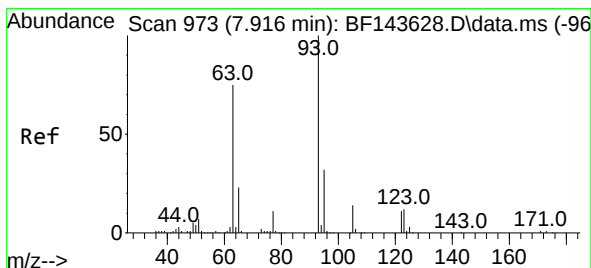
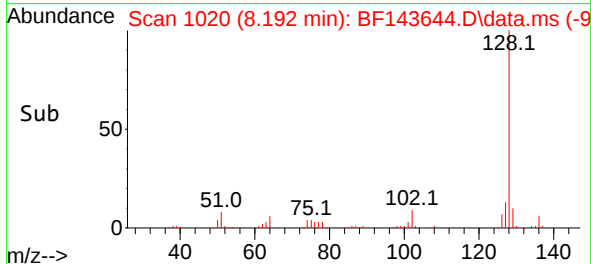
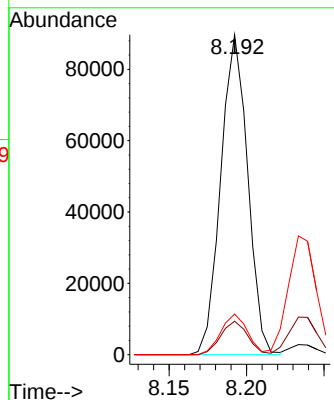
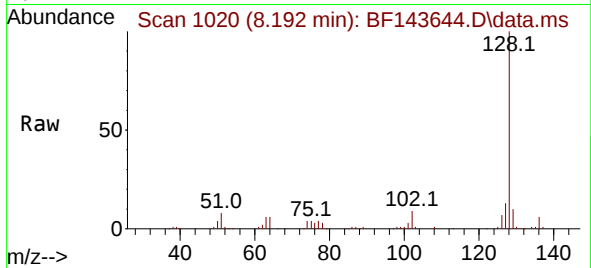




#31
Naphthalene
Concen: 7.924 ng
RT: 8.192 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

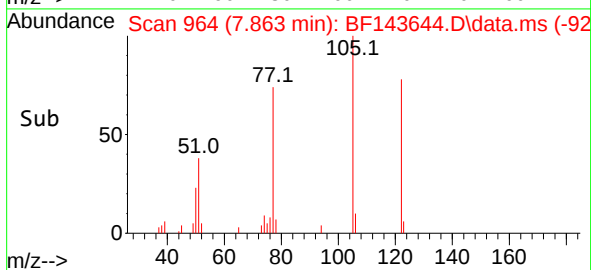
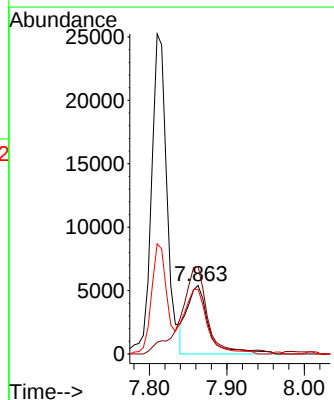
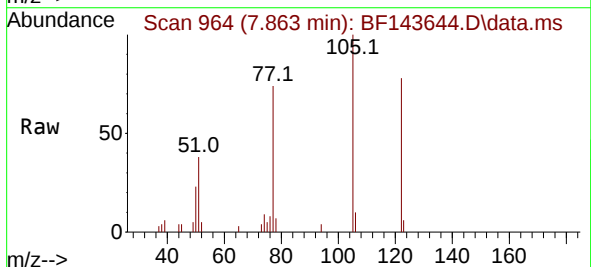
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

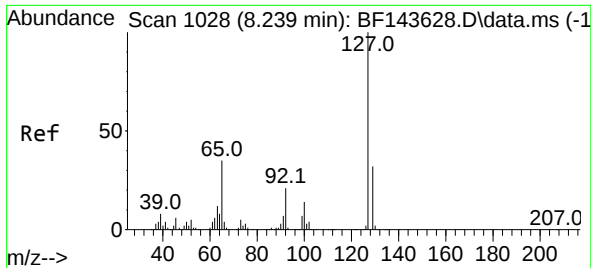
Tgt Ion:128 Resp: 108303
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.6
127 12.7 10.6 16.0



#32
Benzoic acid
Concen: 11.286 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.053 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:122 Resp: 10584
Ion Ratio Lower Upper
122 100
105 127.7 105.9 145.9
77 94.3 78.6 118.6

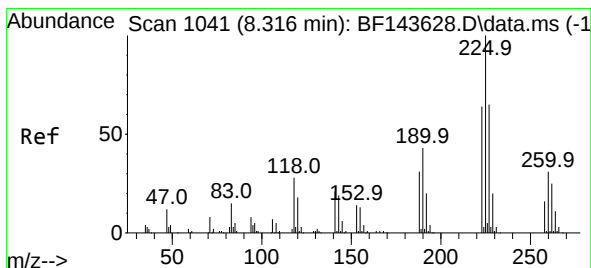
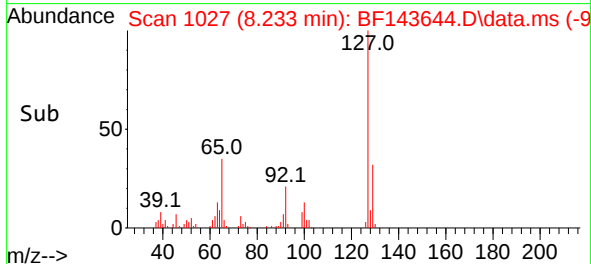
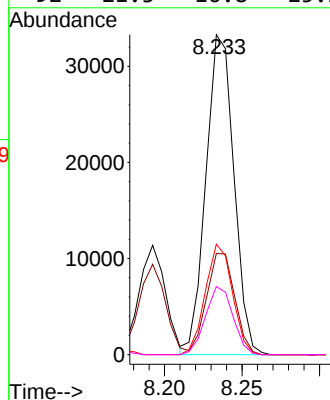
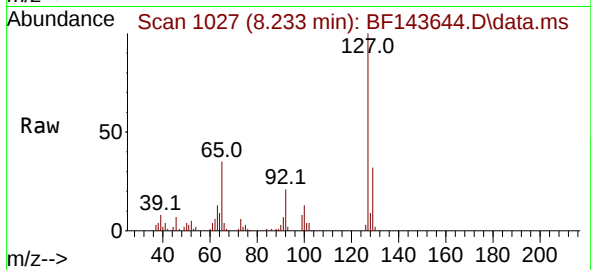




#33
4-Chloroaniline
Concen: 8.838 ng
RT: 8.233 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

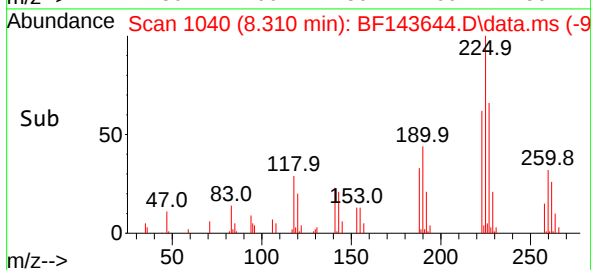
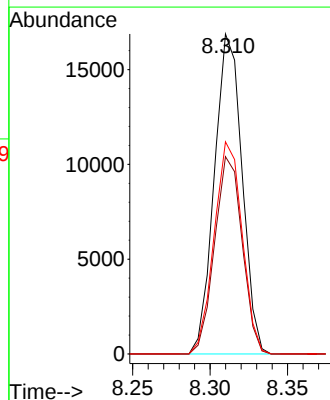
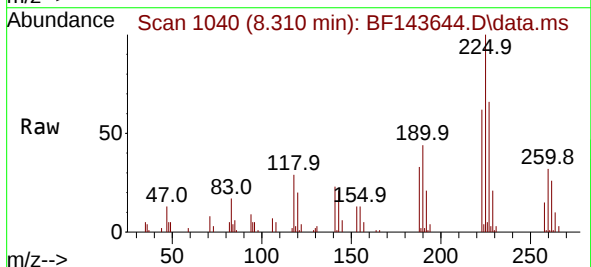
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

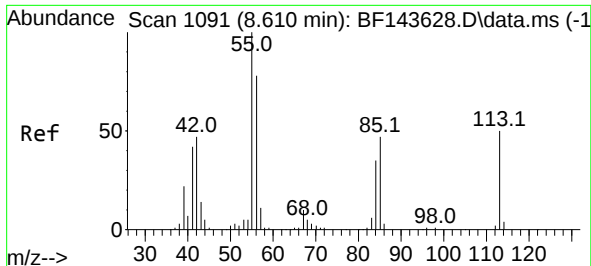
Tgt Ion:127	Resp:	41829
Ion Ratio	Lower	Upper
127	100	
129	31.7	26.2 39.2
65	34.6	27.6 41.4
92	21.3	16.8 25.2



#34
Hexachlorobutadiene
Concen: 7.726 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:225	Resp:	20963
Ion Ratio	Lower	Upper
225	100	
223	61.7	51.3 76.9
227	66.3	51.7 77.5

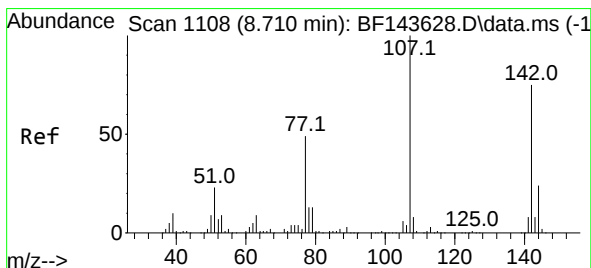
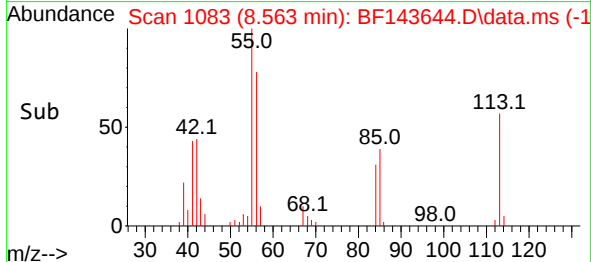
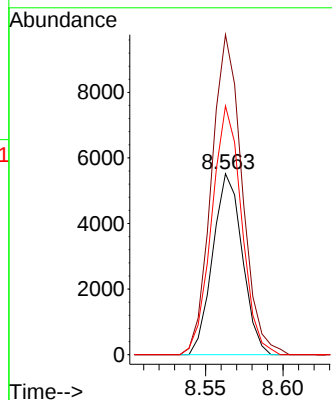
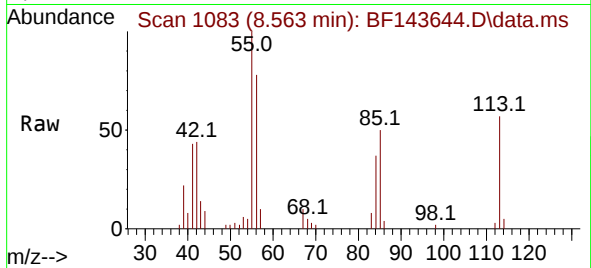




#35
 Caprolactam
 Concen: 7.117 ng
 RT: 8.563 min Scan# 1107
 Delta R.T. -0.047 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

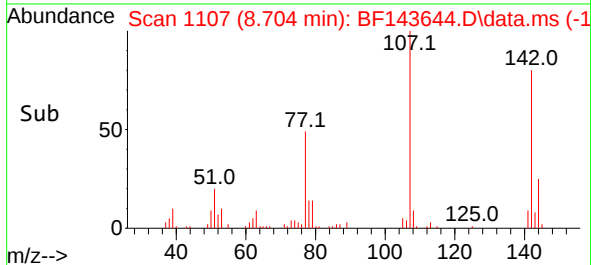
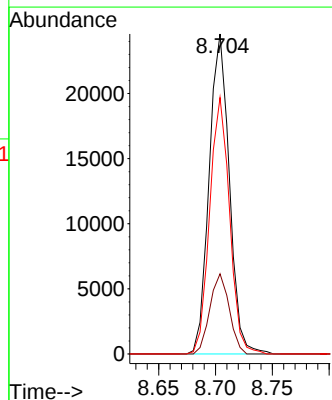
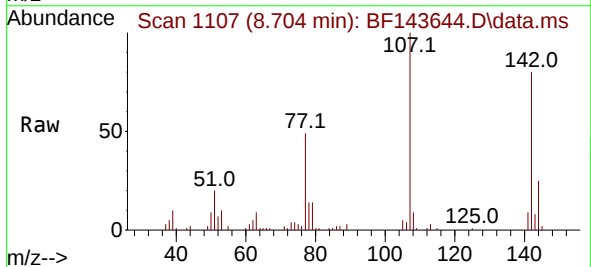
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

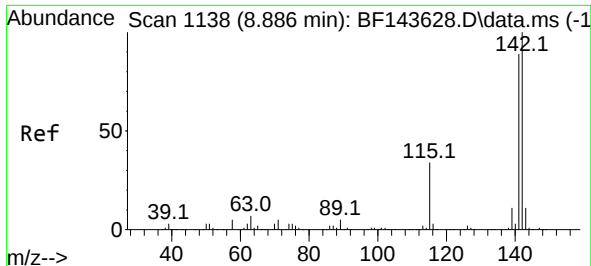
Tgt Ion:113 Resp: 7300
 Ion Ratio Lower Upper
 113 100
 55 176.8 180.5 220.5#
 56 137.5 134.8 174.8



#36
 4-Chloro-3-methylphenol
 Concen: 7.579 ng
 RT: 8.704 min Scan# 1107
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

Tgt Ion:107 Resp: 30377
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.0 28.6
 142 80.2 60.3 90.5

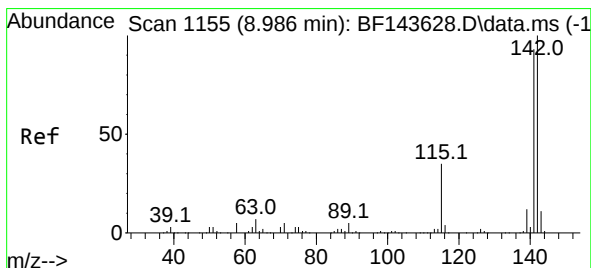
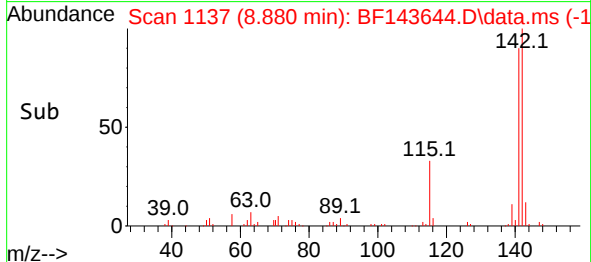
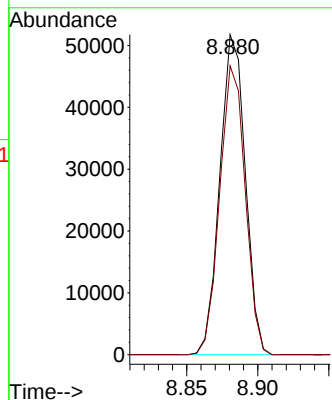
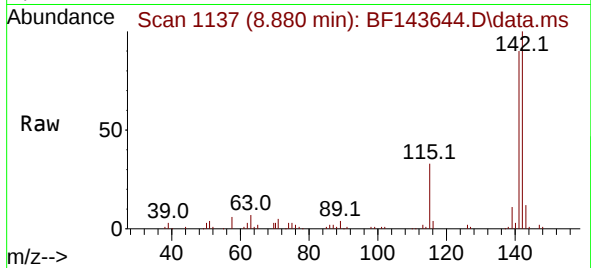




#37
2-Methylnaphthalene
Concen: 6.979 ng
RT: 8.880 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

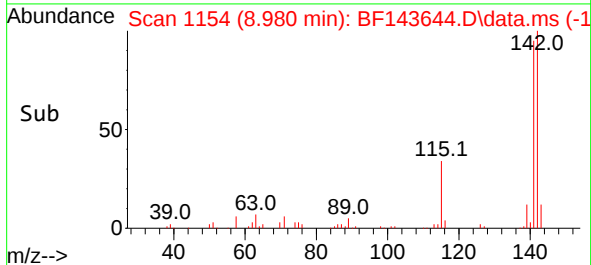
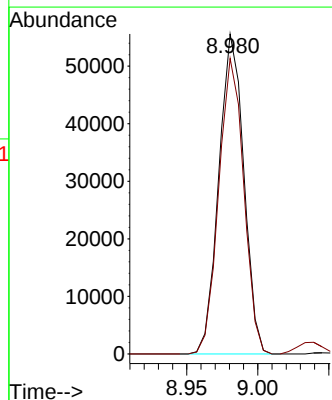
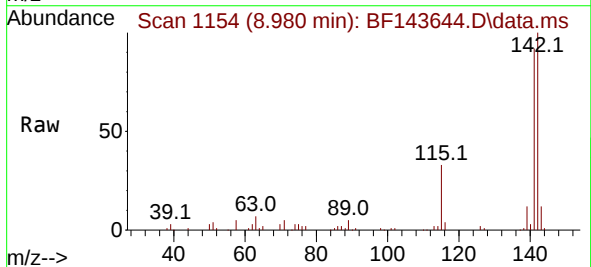
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

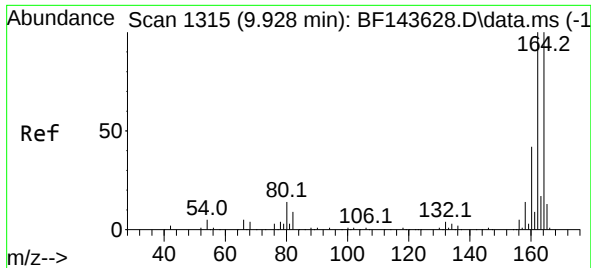
Tgt Ion:142 Resp: 64521
Ion Ratio Lower Upper
142 100
141 90.2 70.8 106.2



#38
1-Methylnaphthalene
Concen: 7.676 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:142 Resp: 67849
Ion Ratio Lower Upper
142 100
141 92.4 74.5 111.7

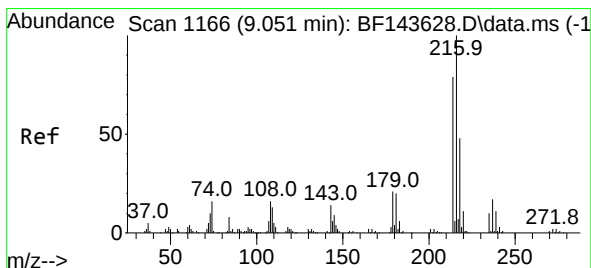
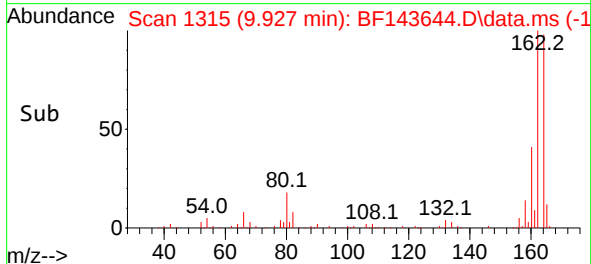
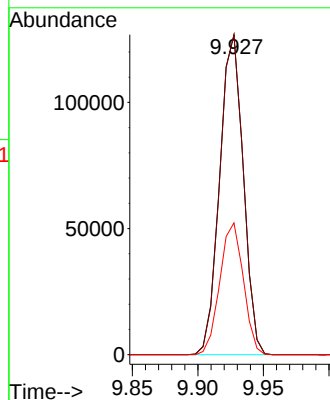
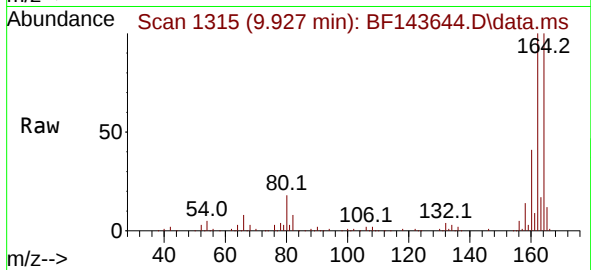




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1165
Delta R.T. -0.001 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

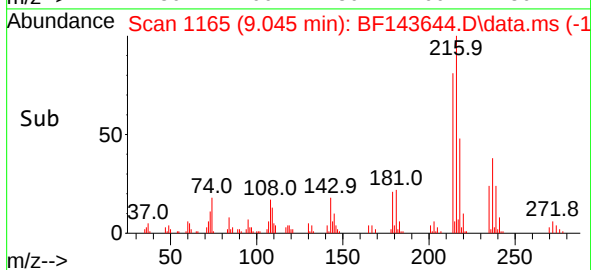
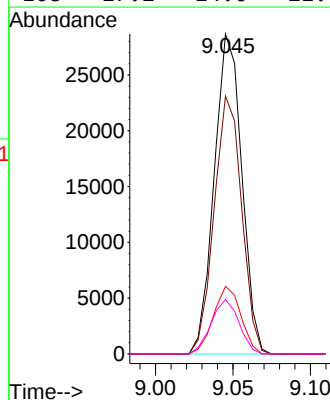
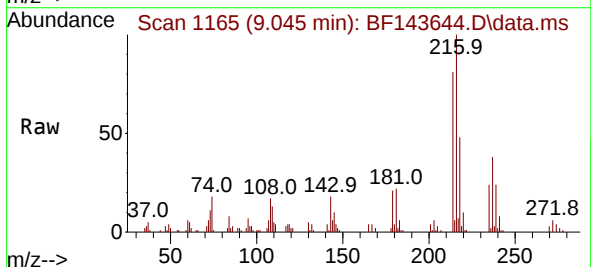
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

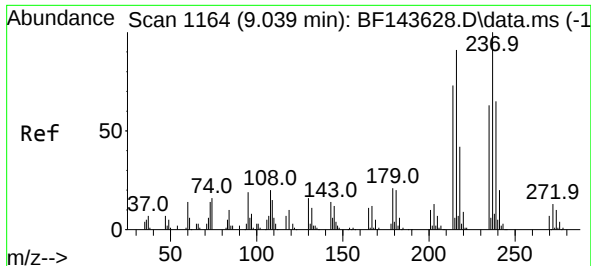
Tgt Ion:164 Resp: 158599
Ion Ratio Lower Upper
164 100
162 100.1 80.3 120.5
160 41.3 34.0 51.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.079 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

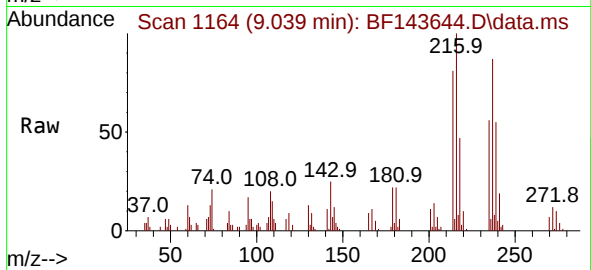
Tgt Ion:216 Resp: 35413
Ion Ratio Lower Upper
216 100
214 80.5 63.3 94.9
179 21.0 17.2 25.8
108 17.2 14.0 21.0



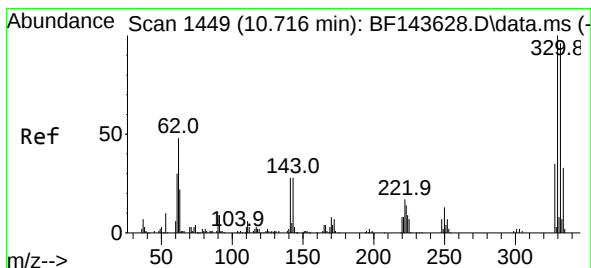
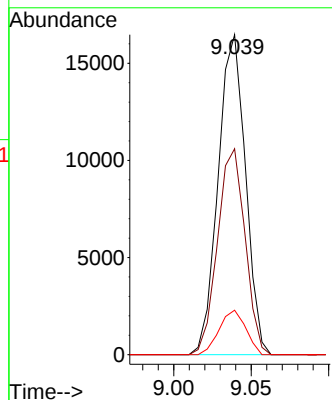
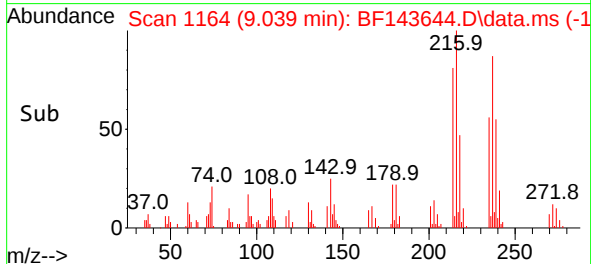


#41
Hexachlorocyclopentadiene
Concen: 9.491 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

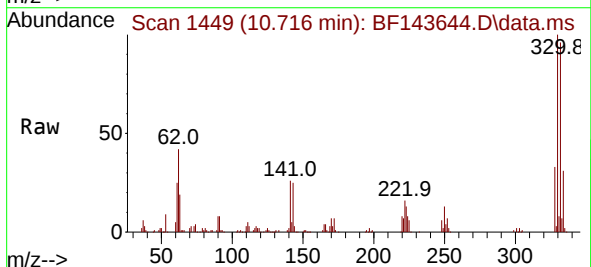
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



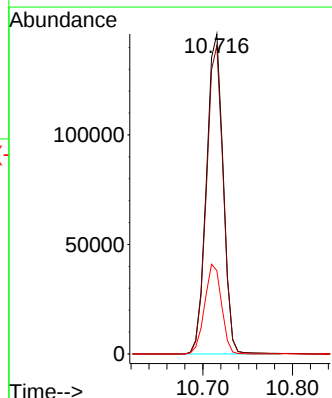
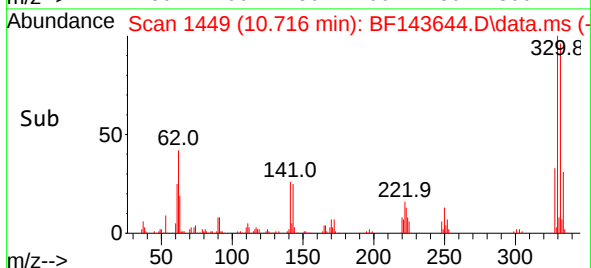
Tgt Ion:237 Resp: 20202
Ion Ratio Lower Upper
237 100
235 64.4 43.0 83.0
272 13.9 0.0 32.9

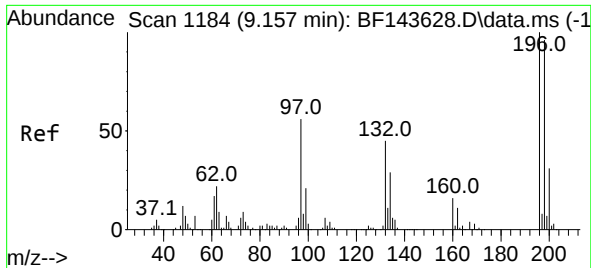


#42
2,4,6-Tribromophenol
Concen: 142.618 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:330 Resp: 189146
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 28.1 23.5 35.3

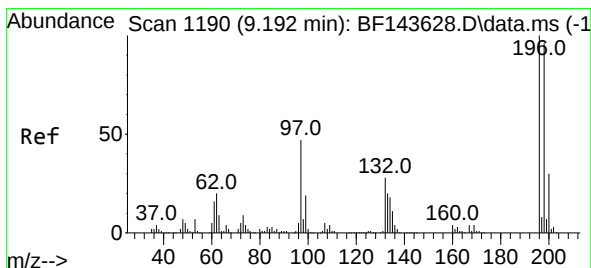
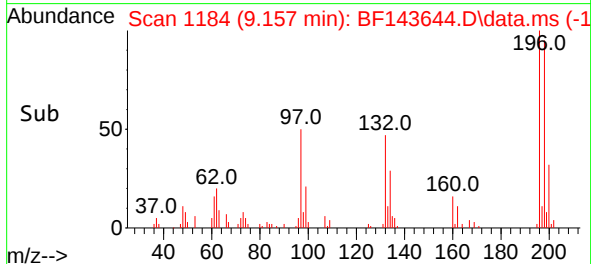
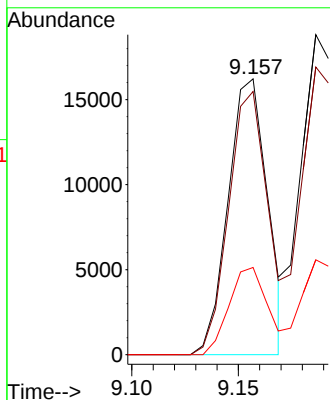
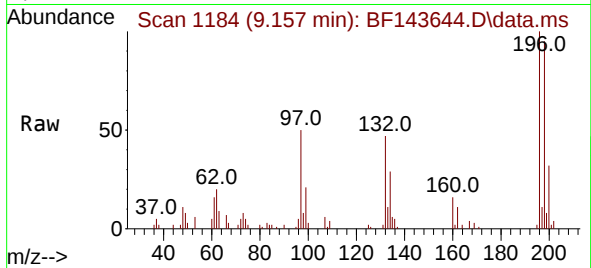




#43
2,4,6-Trichlorophenol
Concen: 7.727 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

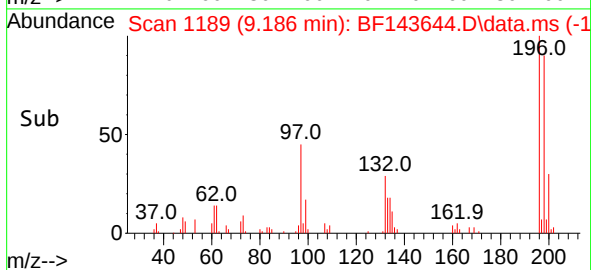
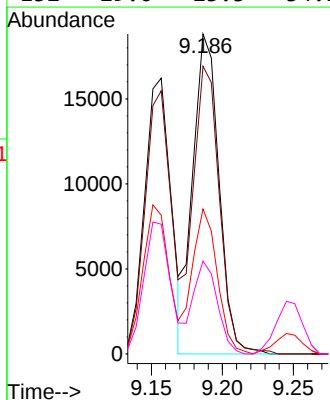
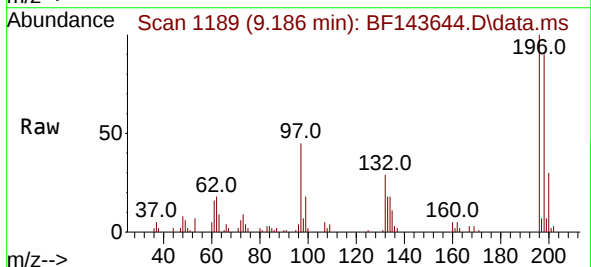
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

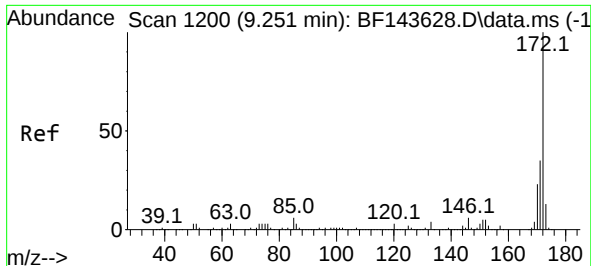
Tgt Ion:196 Resp: 20868
Ion Ratio Lower Upper
196 100
198 95.4 77.1 115.7
200 31.6 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 8.652 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:196 Resp: 24122
Ion Ratio Lower Upper
196 100
198 89.9 76.6 115.0
97 45.3 38.2 57.2
132 29.0 23.3 34.9

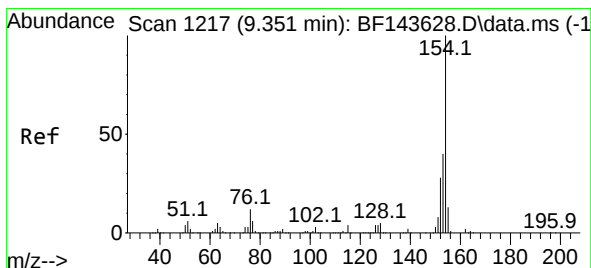
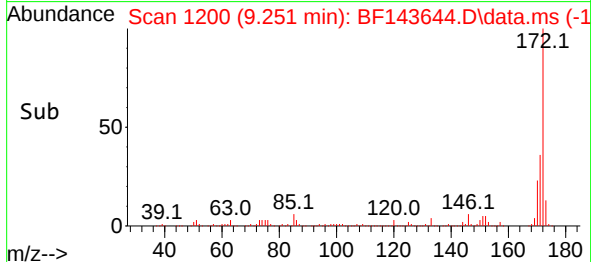
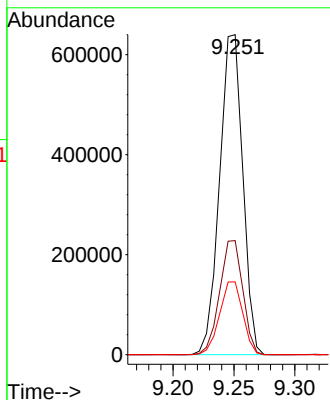
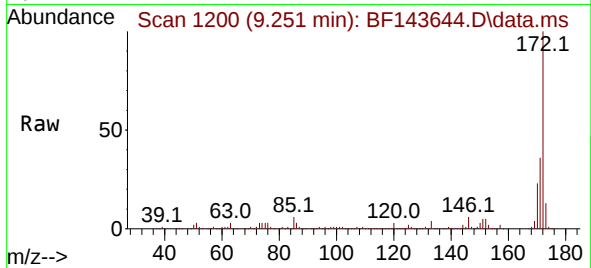




#45
2-Fluorobiphenyl
Concen: 85.573 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

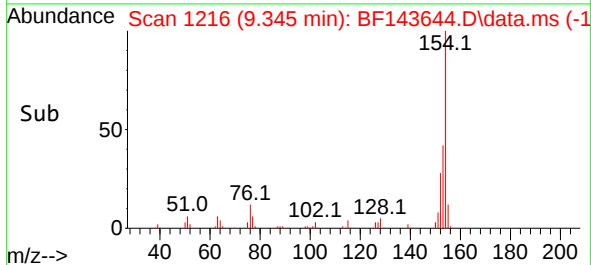
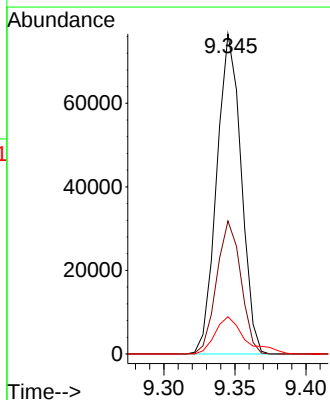
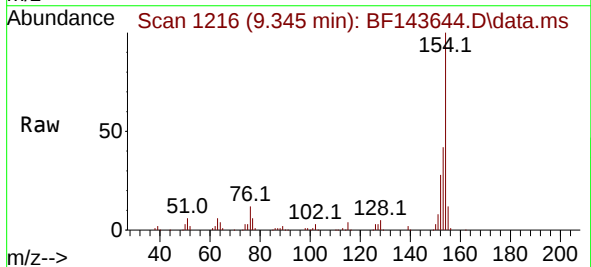
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

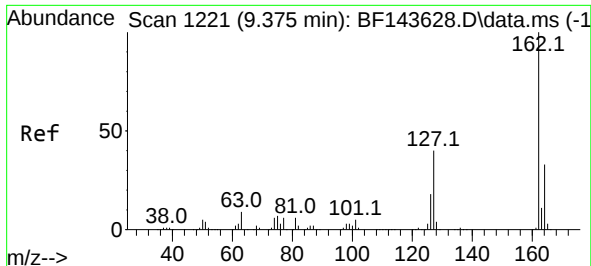
Tgt Ion:172 Resp: 849482
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 22.8 18.6 28.0



#46
1,1'-Biphenyl
Concen: 8.120 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:154 Resp: 91587
Ion Ratio Lower Upper
154 100
153 41.6 20.1 60.1
76 11.7 0.0 31.9





#47

2-Chloronaphthalene

Concen: 8.016 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

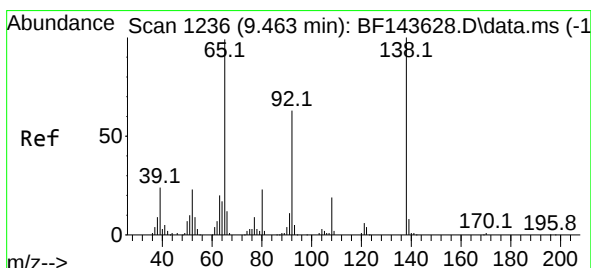
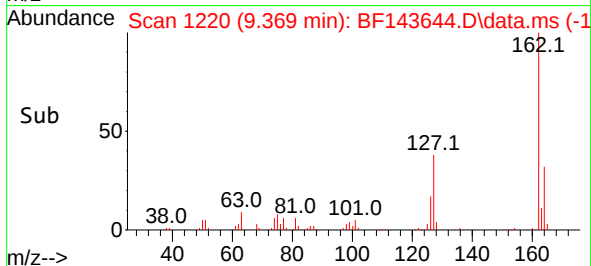
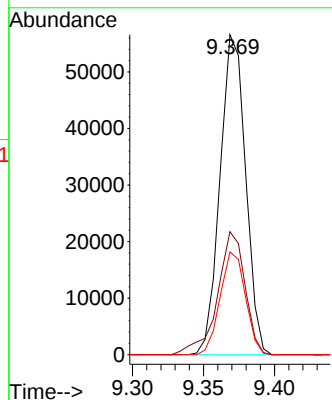
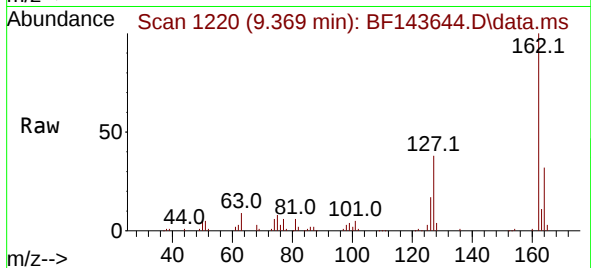
Tgt Ion:162 Resp: 70755

Ion Ratio Lower Upper

162 100

127 38.4 31.9 47.9

164 32.1 26.0 39.0



#48

2-Nitroaniline

Concen: 9.613 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

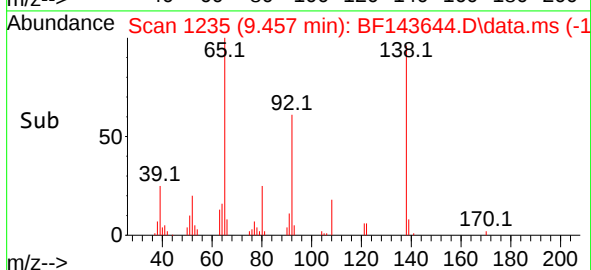
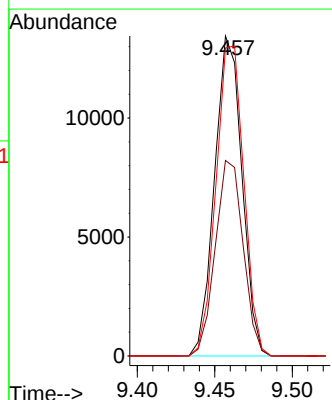
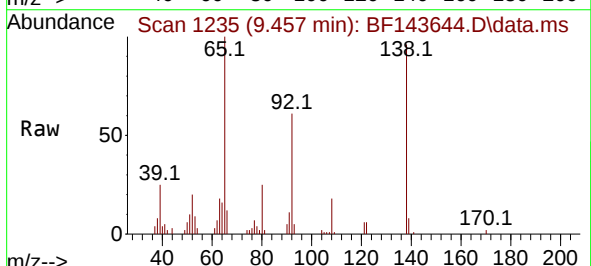
Tgt Ion: 65 Resp: 16507

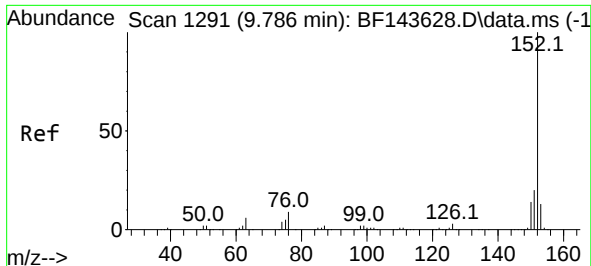
Ion Ratio Lower Upper

65 100

92 61.1 50.9 76.3

138 96.2 80.6 120.8





#49

Acenaphthylene

Concen: 8.647 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

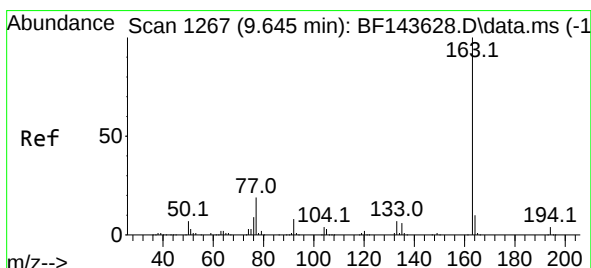
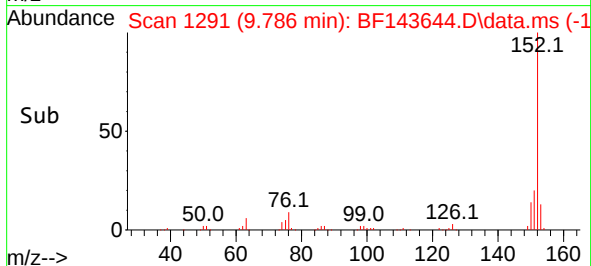
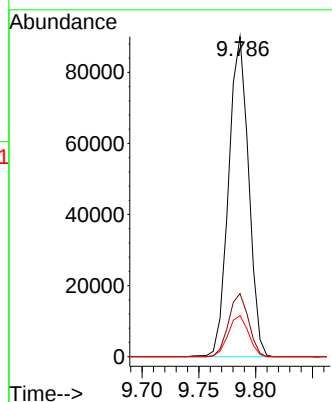
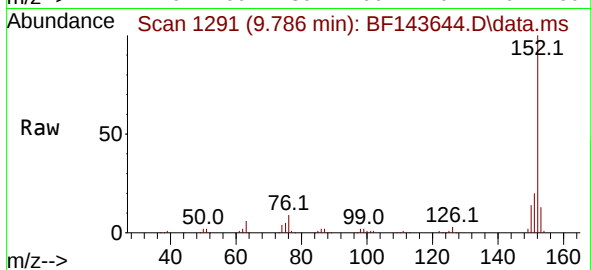
Tgt Ion:152 Resp: 110009

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

153 12.9 10.6 15.8



#50

Dimethylphthalate

Concen: 7.754 ng

RT: 9.639 min Scan# 1266

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

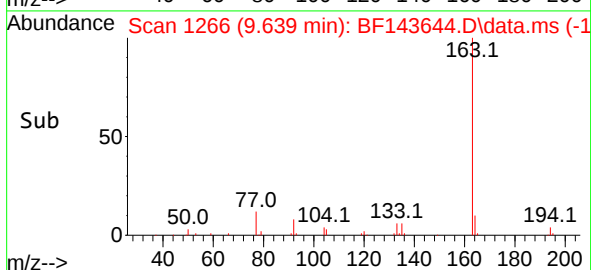
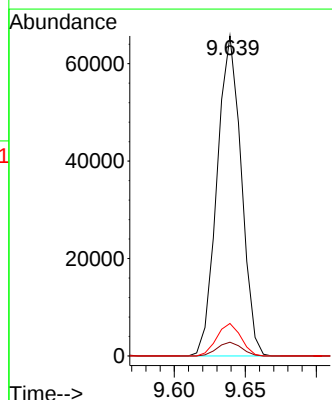
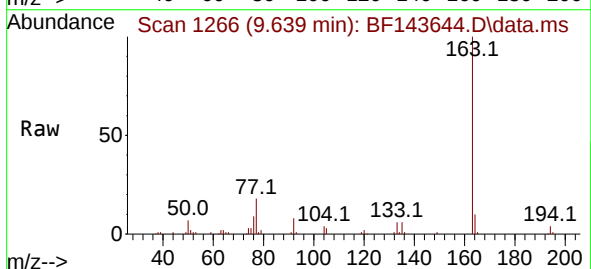
Tgt Ion:163 Resp: 77868

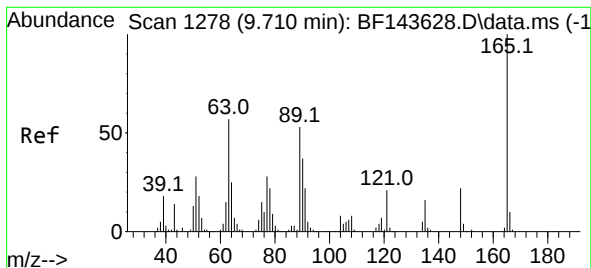
Ion Ratio Lower Upper

163 100

194 4.3 3.1 4.7

164 10.2 8.1 12.1

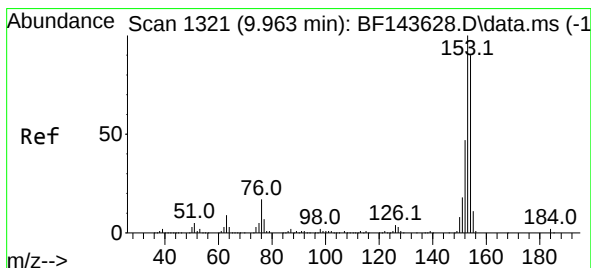
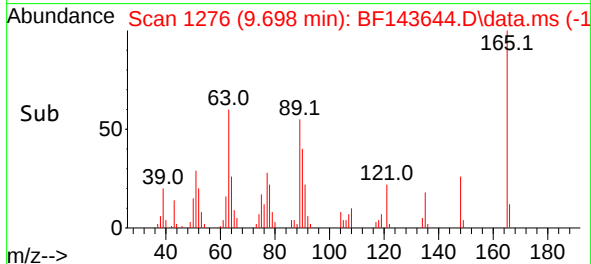
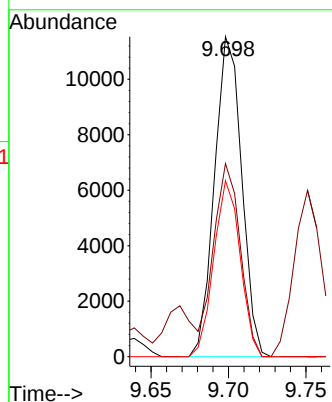
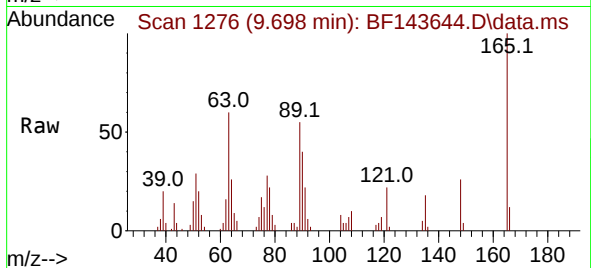




#51
2,6-Dinitrotoluene
Concen: 10.886 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

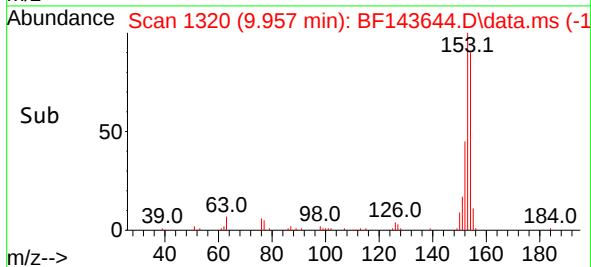
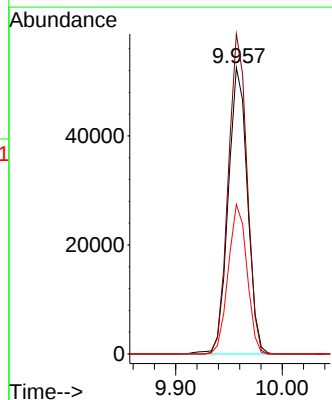
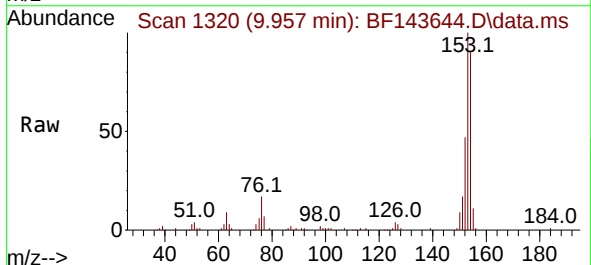
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

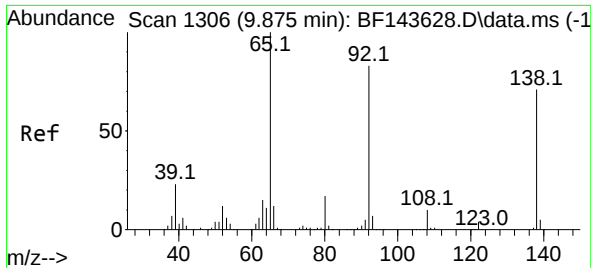
Tgt Ion:165 Resp: 14070
Ion Ratio Lower Upper
165 100
63 60.3 45.4 68.0
89 55.0 42.1 63.1



#52
Acenaphthene
Concen: 7.732 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:154 Resp: 65794
Ion Ratio Lower Upper
154 100
153 111.7 88.6 132.8
152 52.2 41.8 62.8

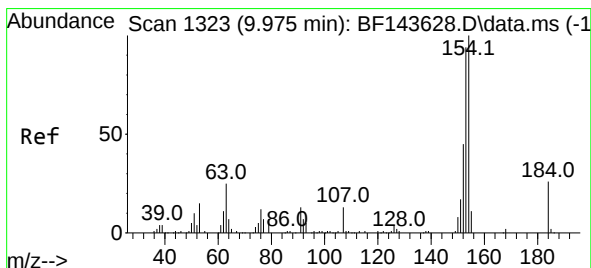
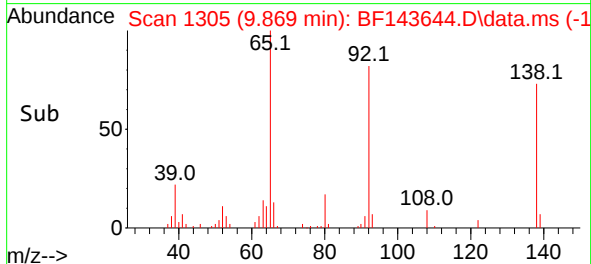
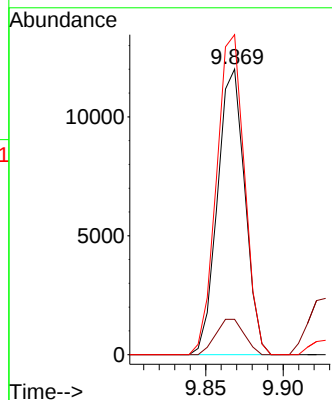
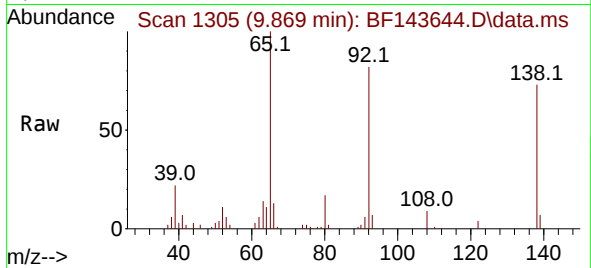




#53
3-Nitroaniline
Concen: 9.866 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

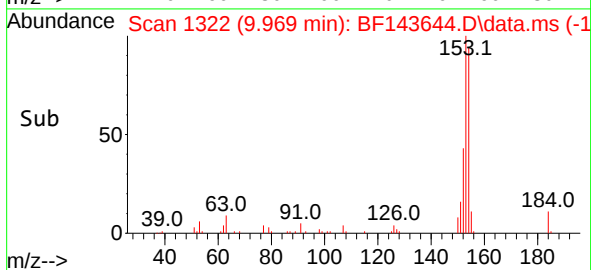
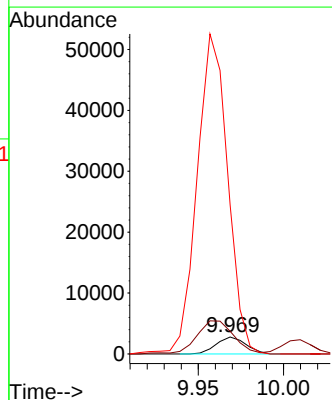
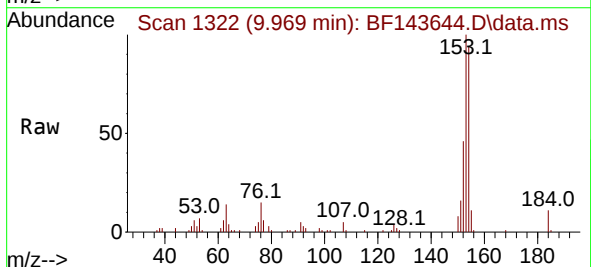
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

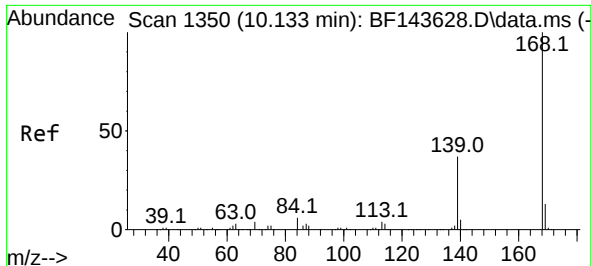
Tgt Ion:138 Resp: 14790
Ion Ratio Lower Upper
138 100
108 12.4 10.7 16.1
92 112.0 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 11.993 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:184 Resp: 3366
Ion Ratio Lower Upper
184 100
63 133.7 81.8 122.8#
154 880.2 348.3 522.5#

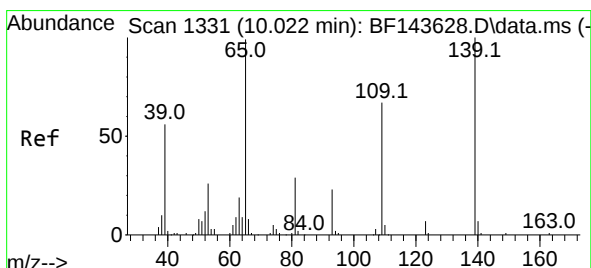
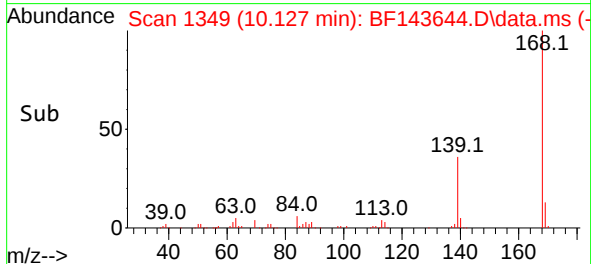
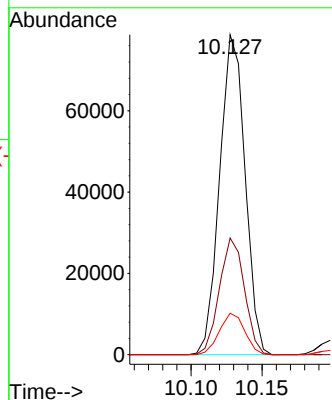
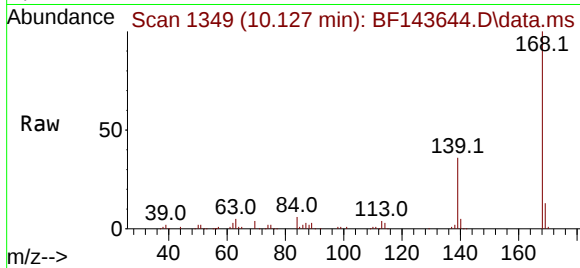




#55
Dibenzenofuran
Concen: 7.921 ng
RT: 10.127 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

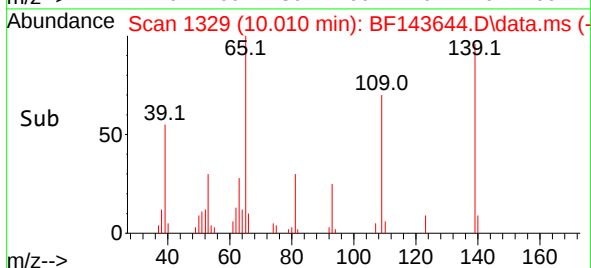
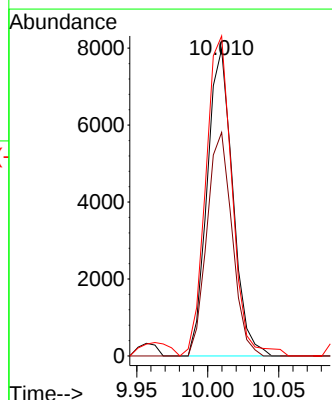
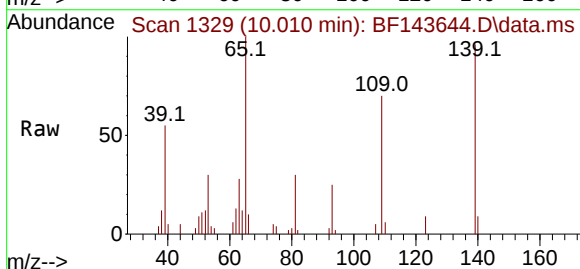
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

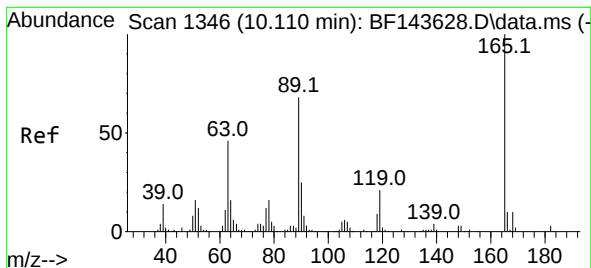
Tgt Ion:168 Resp: 97925
Ion Ratio Lower Upper
168 100
139 36.5 29.8 44.8
169 13.0 10.6 16.0



#56
4-Nitrophenol
Concen: 6.706 ng
RT: 10.010 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:139 Resp: 9985
Ion Ratio Lower Upper
139 100
109 72.8 47.6 87.6
65 104.3 80.5 120.5

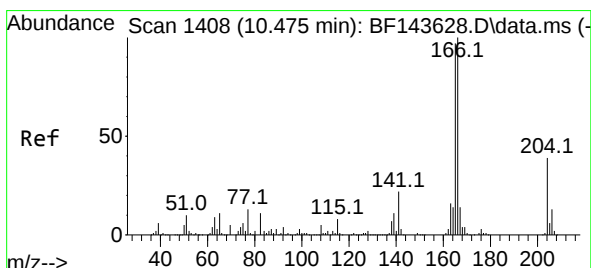
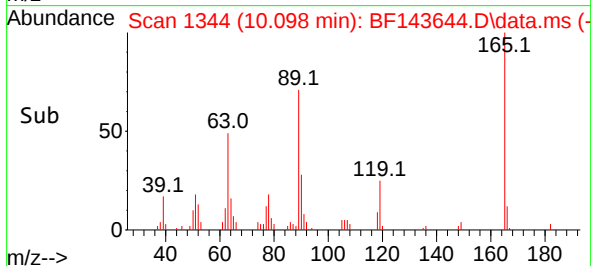
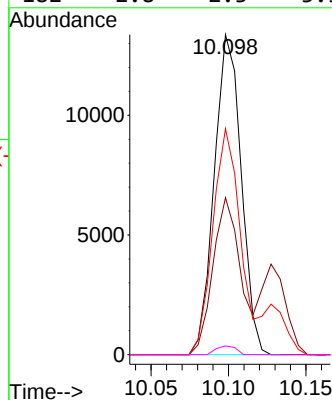
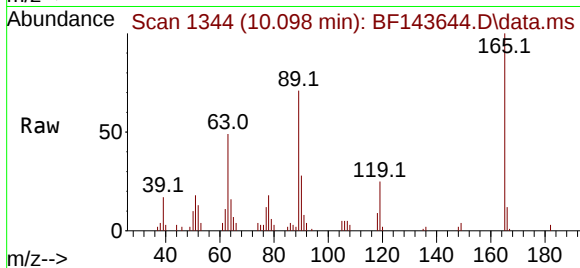




#57
2,4-Dinitrotoluene
Concen: 9.885 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

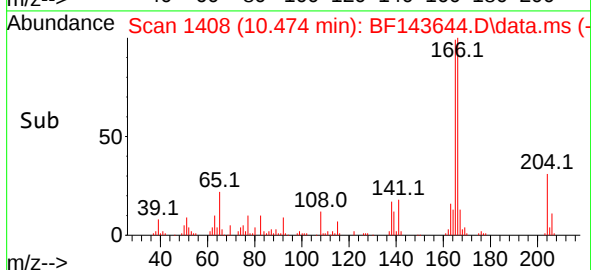
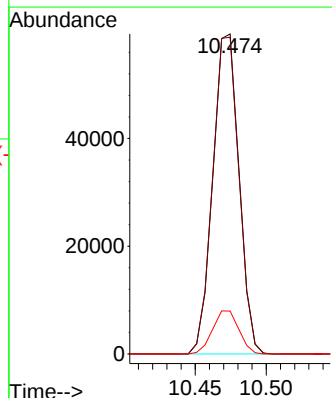
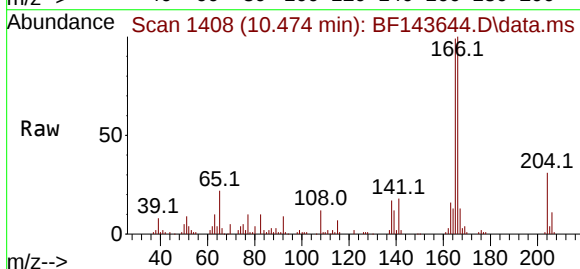
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

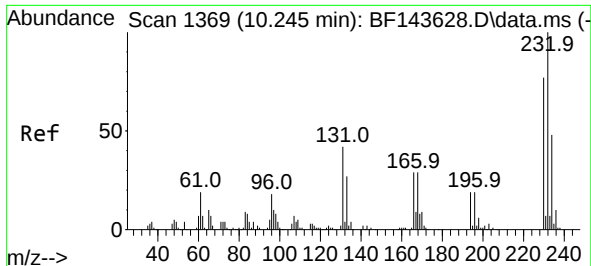
Tgt Ion:	165	Resp:	16181
Ion	Ratio	Lower	Upper
165	100		
63	49.0	37.0	55.6
89	70.6	54.1	81.1
182	2.8	2.3	3.5



#58
Fluorene
Concen: 7.932 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:	166	Resp:	75857
Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.6	116.4
167	13.4	10.9	16.3

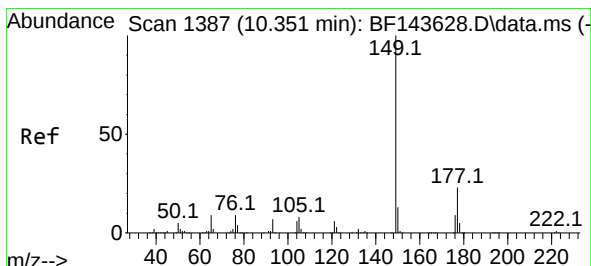
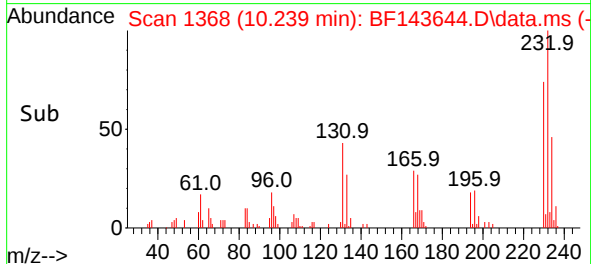
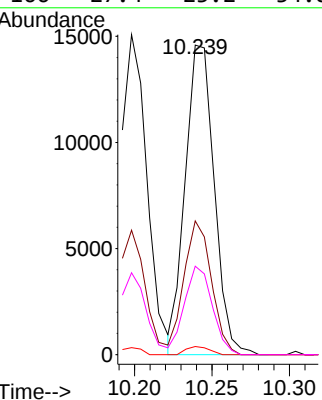
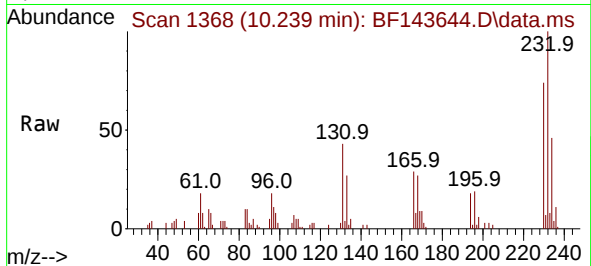




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.986 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

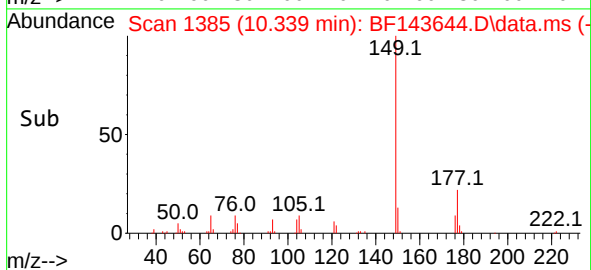
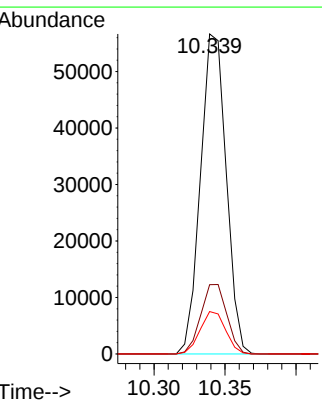
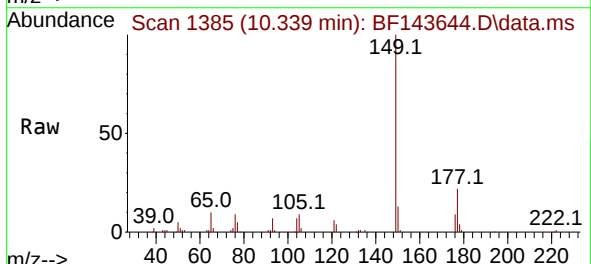
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

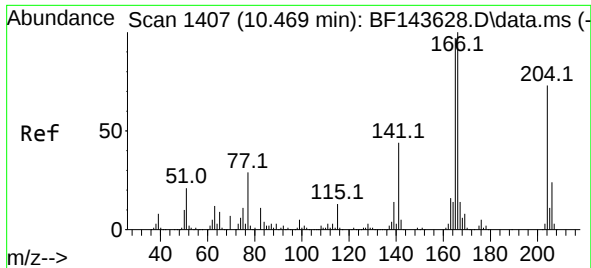
Tgt Ion:232 Resp: 19026
Ion Ratio Lower Upper
232 100
131 40.8 33.7 50.5
130 2.1 1.5 2.3
166 27.4 23.2 34.8



#60
Diethylphthalate
Concen: 7.480 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:149 Resp: 71317
Ion Ratio Lower Upper
149 100
177 21.7 18.6 28.0
150 13.2 10.3 15.5

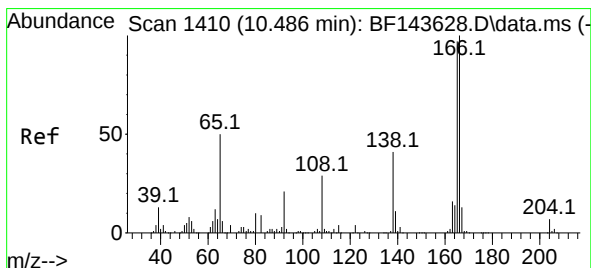
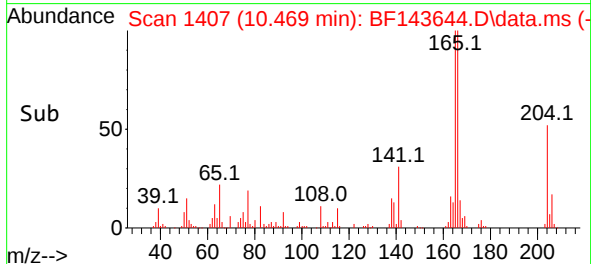
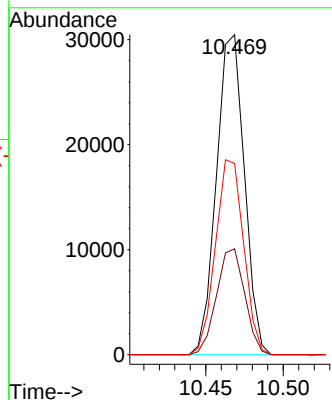
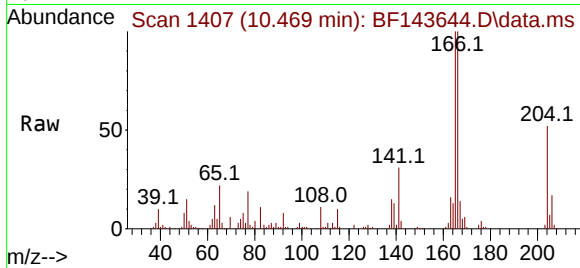




#61
4-Chlorophenyl-phenylether
Concen: 8.025 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

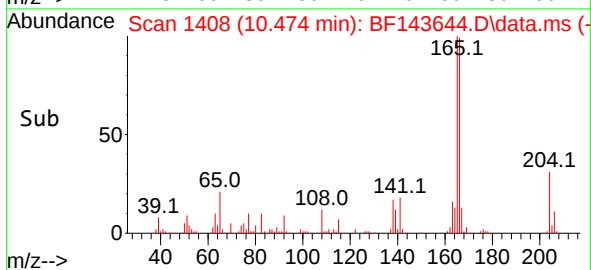
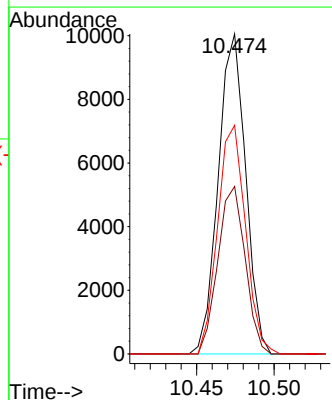
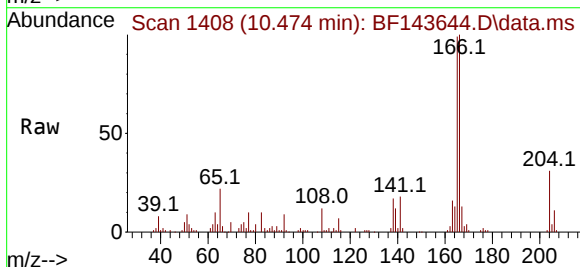
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

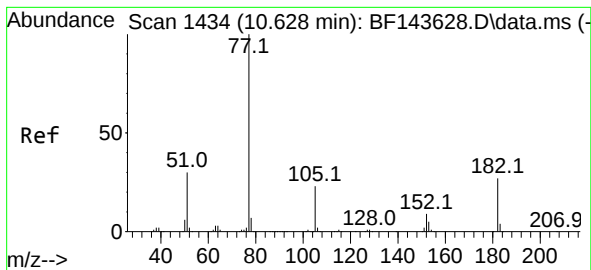
Tgt Ion:204 Resp: 38293
Ion Ratio Lower Upper
204 100
206 33.1 26.6 40.0
141 59.8 47.8 71.6



#62
4-Nitroaniline
Concen: 8.713 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:138 Resp: 12370
Ion Ratio Lower Upper
138 100
92 52.3 30.5 70.5
108 71.5 49.1 89.1





#63

Azobenzene

Concen: 7.550 ng

RT: 10.627 min Scan# 1434

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 77 Resp: 67850

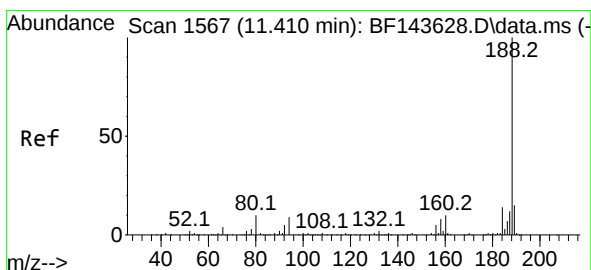
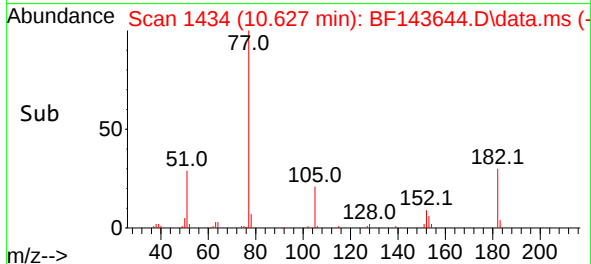
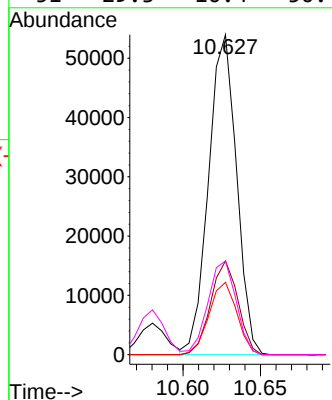
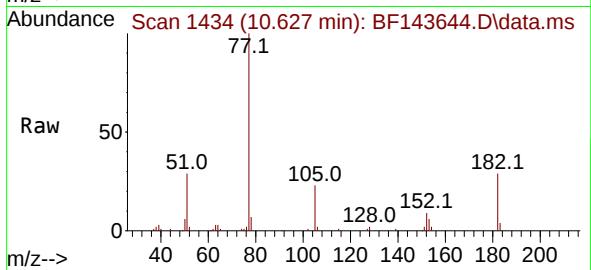
Ion Ratio Lower Upper

77 100

182 29.3 6.8 46.8

105 22.6 2.8 42.8

51 29.3 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: BF143644.D

Acq: 04 Sep 2025 15:12

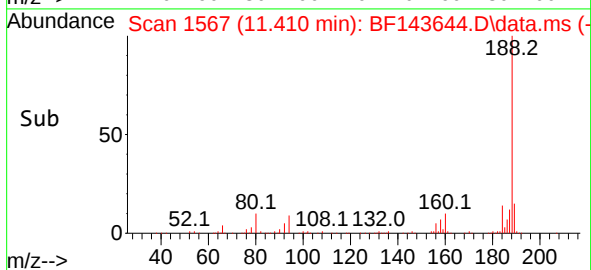
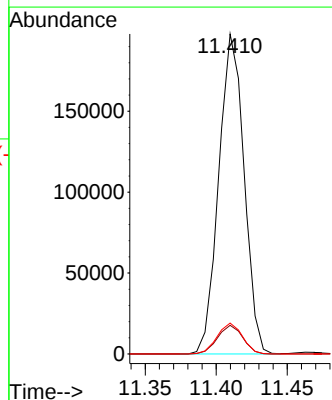
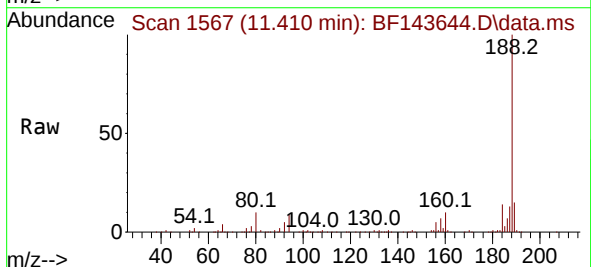
Tgt Ion: 188 Resp: 245179

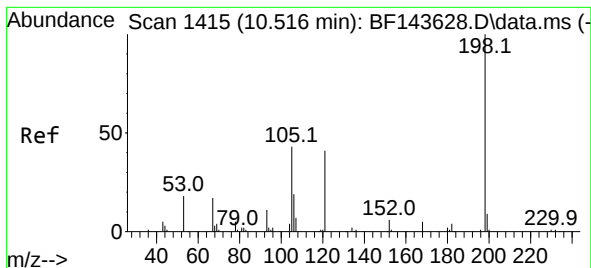
Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.6 8.4 12.6

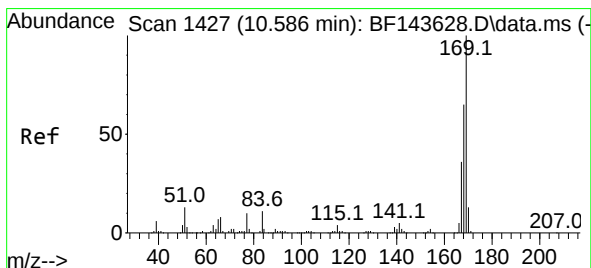
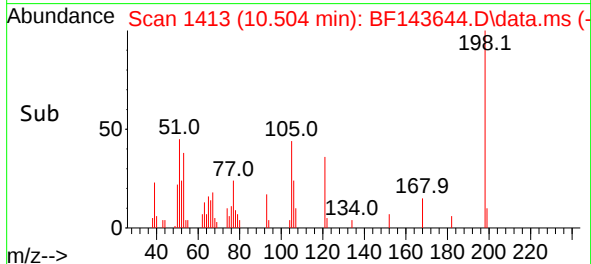
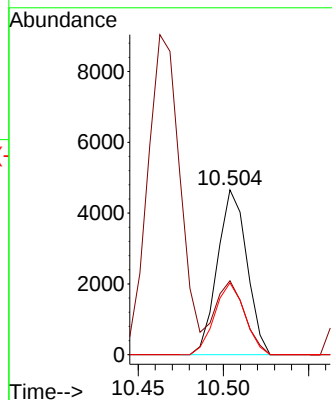
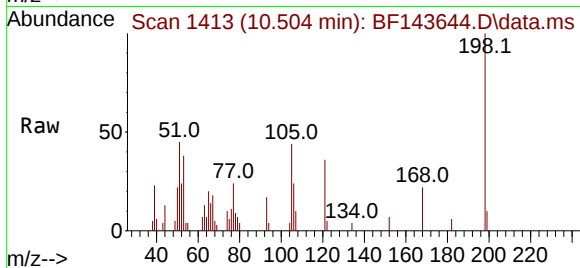




#65
4,6-Dinitro-2-methylphenol
Concen: 12.956 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

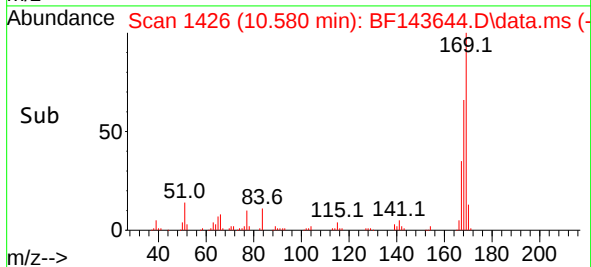
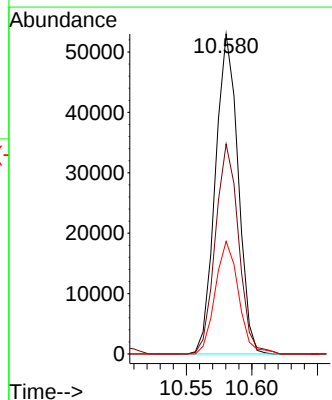
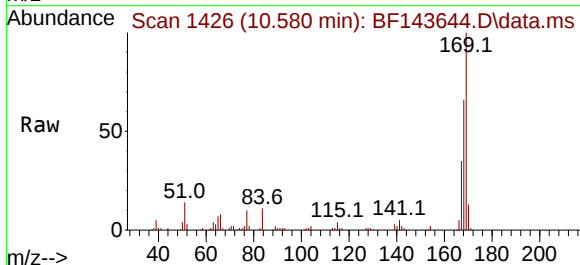
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

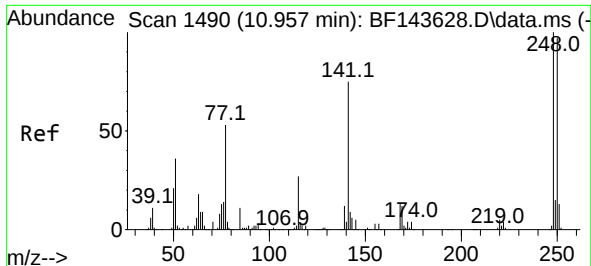
Tgt Ion:198 Resp: 5589
Ion Ratio Lower Upper
198 100
51 44.9 30.7 70.7
105 43.6 26.0 66.0



#66
n-Nitrosodiphenylamine
Concen: 8.061 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:169 Resp: 63793
Ion Ratio Lower Upper
169 100
168 65.6 52.2 78.4
167 35.2 28.5 42.7

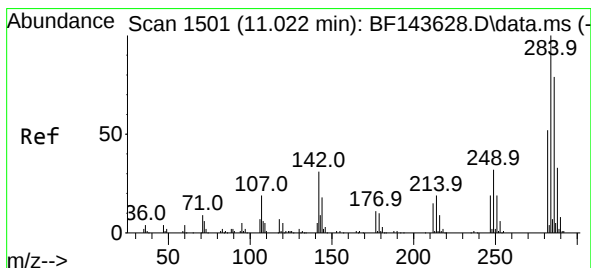
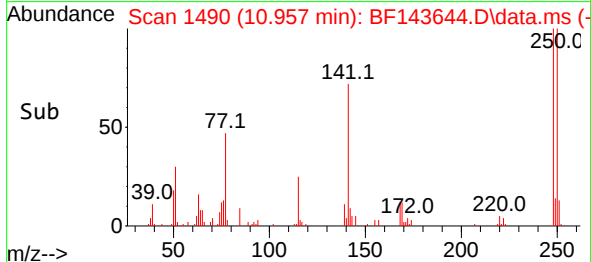
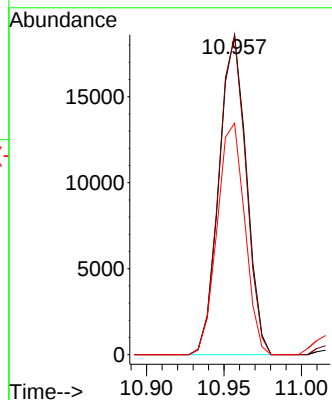
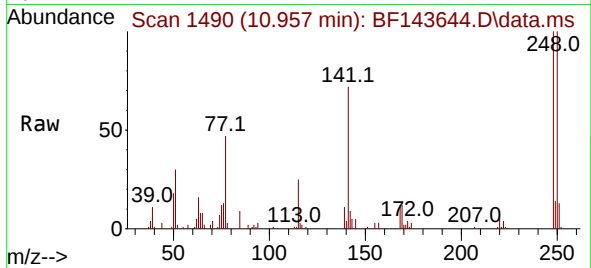




#67
4-Bromophenyl-phenylether
Concen: 8.020 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

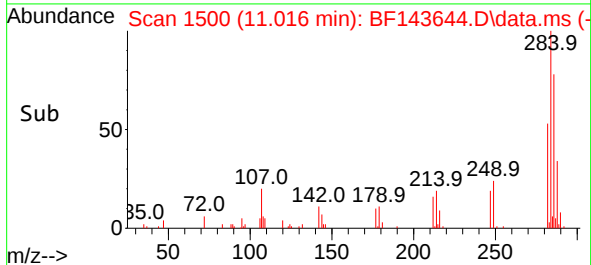
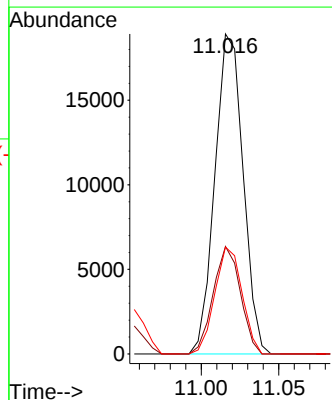
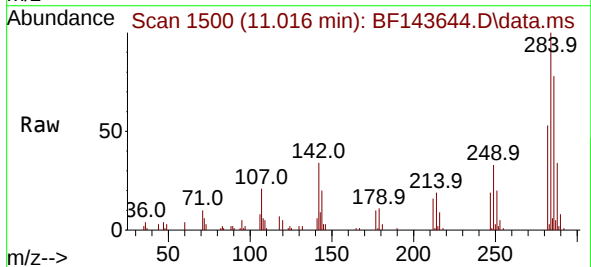
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

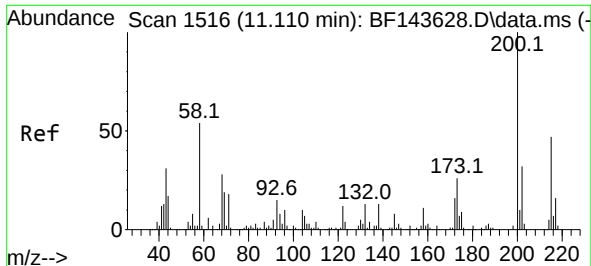
Tgt Ion:248 Resp: 22804
Ion Ratio Lower Upper
248 100
250 99.6 77.6 116.4
141 72.4 60.1 90.1



#68
Hexachlorobenzene
Concen: 8.016 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:284 Resp: 23942
Ion Ratio Lower Upper
284 100
142 33.6 24.7 37.1
249 33.4 25.4 38.2

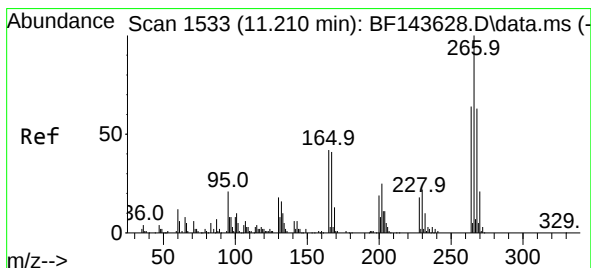
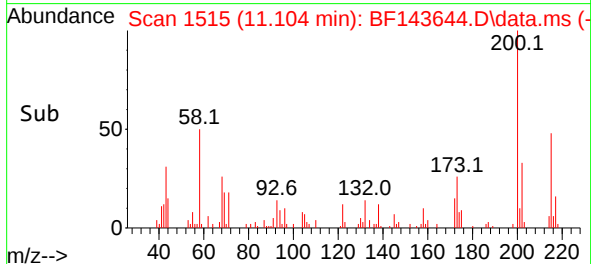
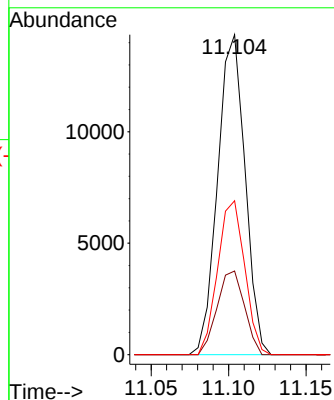
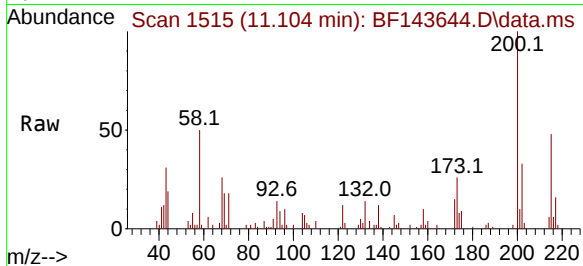




#69
 Atrazine
 Concen: 7.456 ng
 RT: 11.104 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

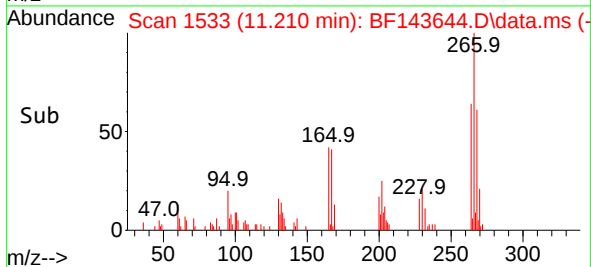
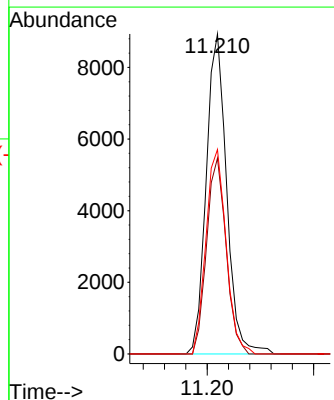
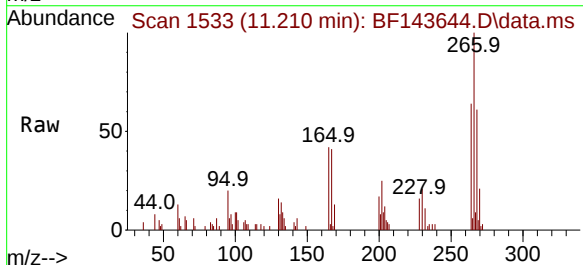
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

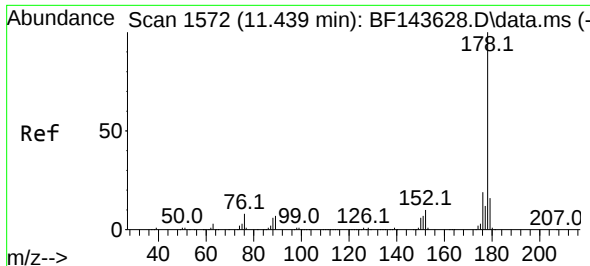
Tgt Ion:200 Resp: 17639
 Ion Ratio Lower Upper
 200 100
 173 26.2 6.4 46.4
 215 48.1 26.9 66.9



#70
 Pentachlorophenol
 Concen: 7.089 ng
 RT: 11.210 min Scan# 1533
 Delta R.T. -0.000 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

Tgt Ion:266 Resp: 11894
 Ion Ratio Lower Upper
 266 100
 268 61.2 50.6 76.0
 264 63.9 51.2 76.8

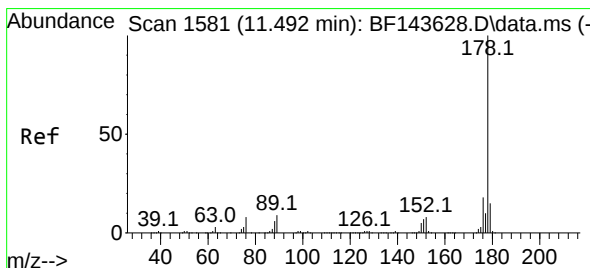
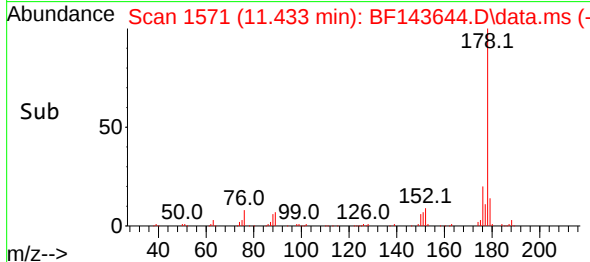
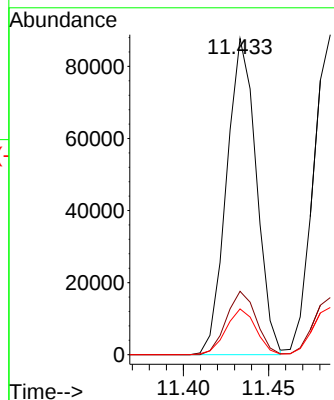
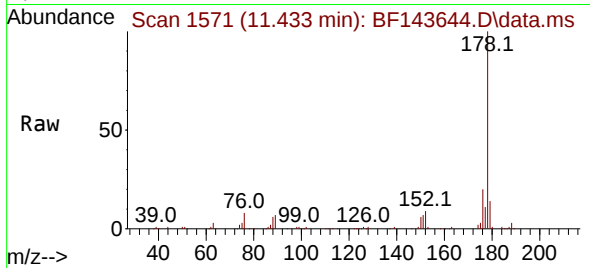




#71
Phenanthrene
Concen: 8.045 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

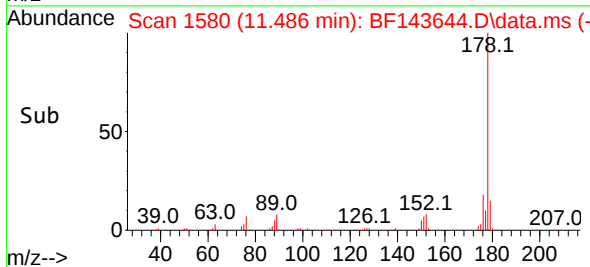
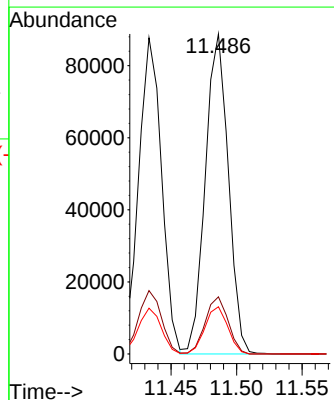
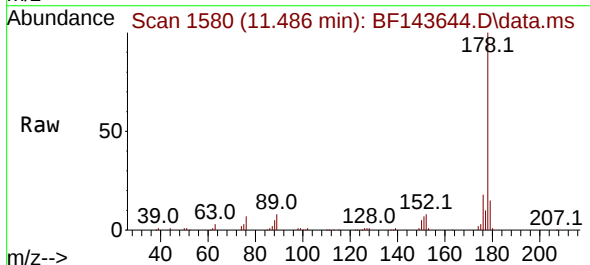
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

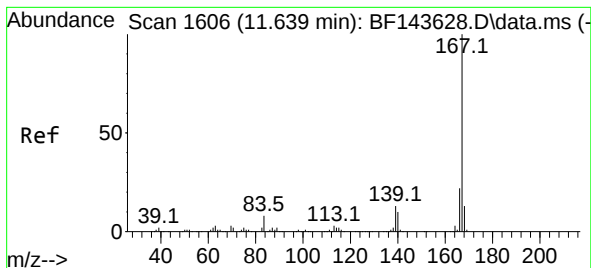
Tgt Ion:178 Resp: 106663
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 14.5 12.4 18.6



#72
Anthracene
Concen: 8.170 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:178 Resp: 108636
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 14.7 12.3 18.5





#73

Carbazole

Concen: 7.585 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

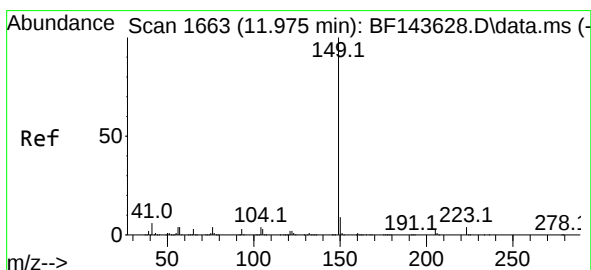
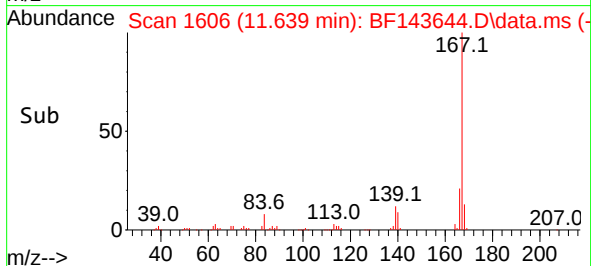
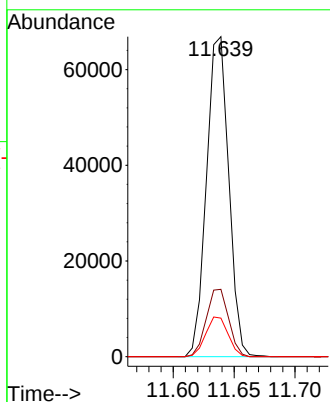
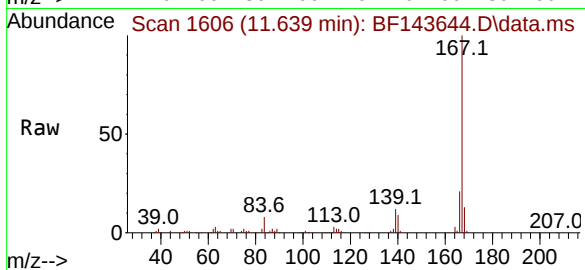
Tgt Ion:167 Resp: 85014

Ion Ratio Lower Upper

167 100

166 21.0 17.3 25.9

139 12.1 10.3 15.5



#74

Di-n-butylphthalate

Concen: 7.425 ng

RT: 11.974 min Scan# 1663

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

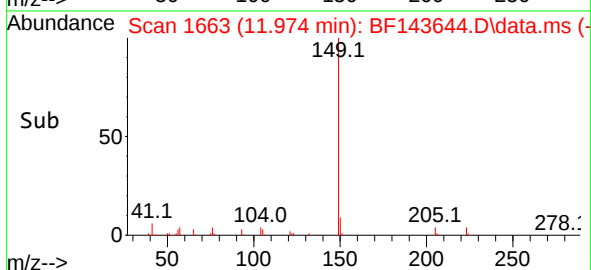
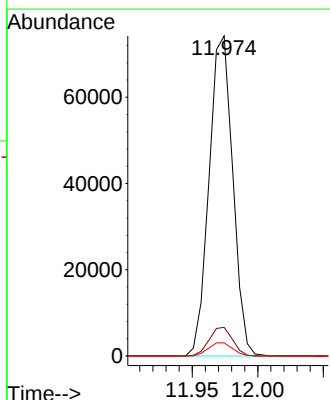
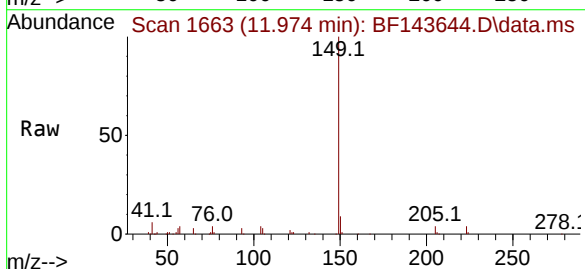
Tgt Ion:149 Resp: 93434

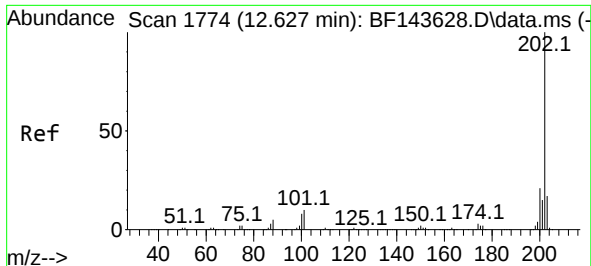
Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.0

104 4.1 3.5 5.3

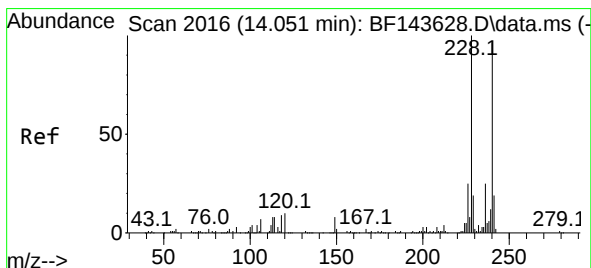
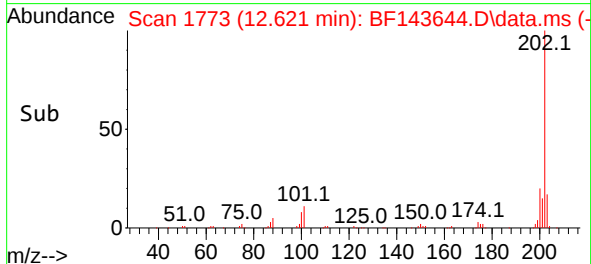
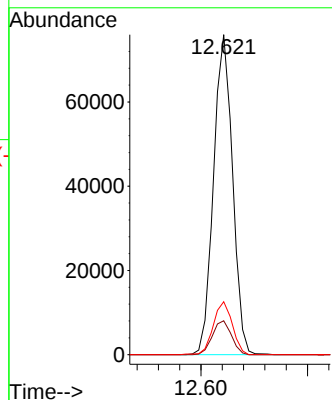
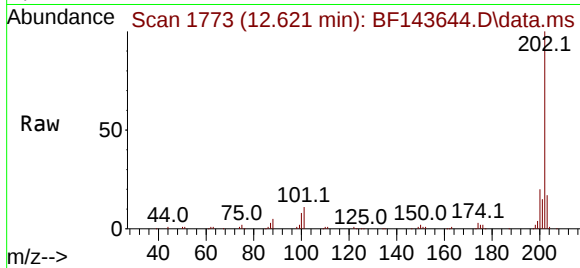




#75
Fluoranthene
Concen: 7.714 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

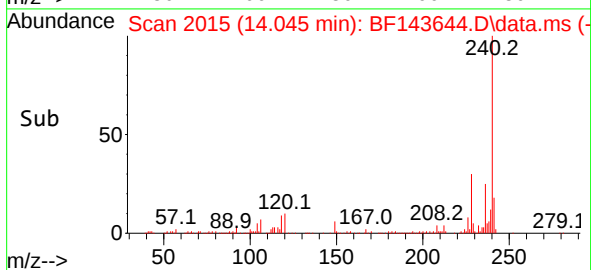
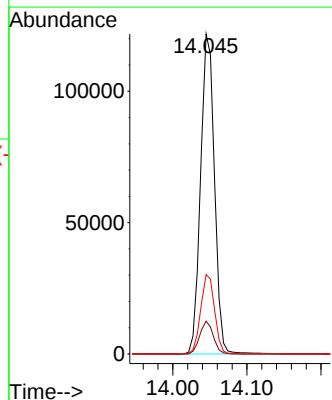
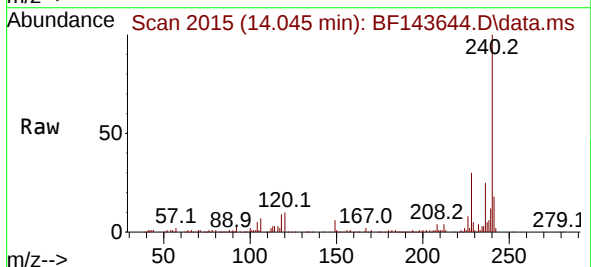
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

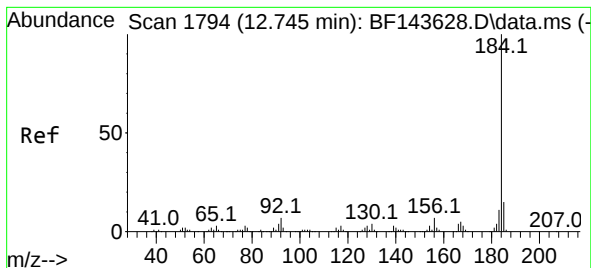
Tgt Ion:	202	Resp:	93928
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	30.3
203	16.5	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:	240	Resp:	158553
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.0	12.0
236	24.8	20.5	30.7





#77

Benzidine

Concen: 11.137 ng

RT: 12.739 min Scan# 1793

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

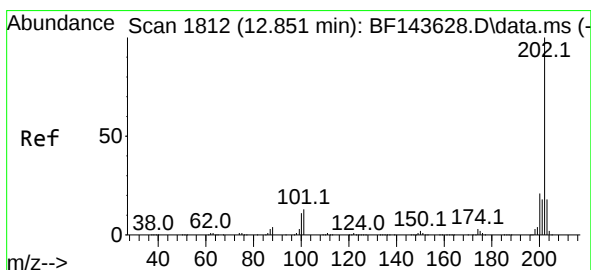
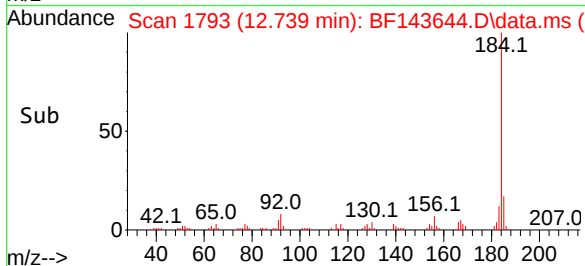
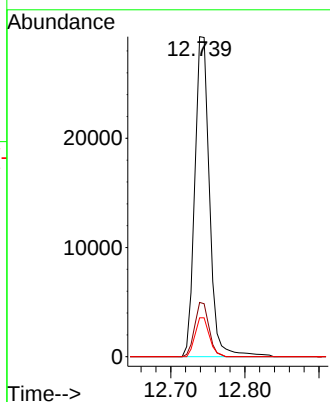
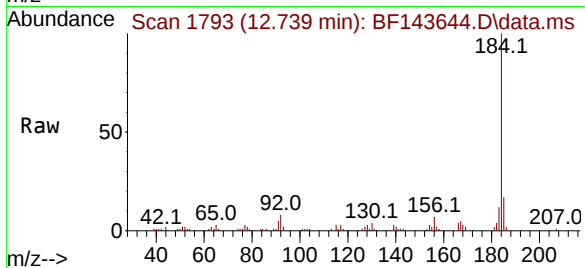
Tgt Ion:184 Resp: 40399

Ion Ratio Lower Upper

184 100

185 16.9 11.8 17.6

183 12.2 9.0 13.6



#78

Pyrene

Concen: 7.259 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

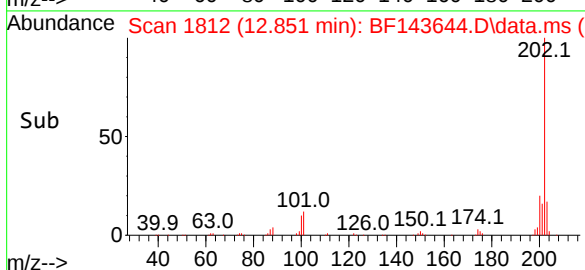
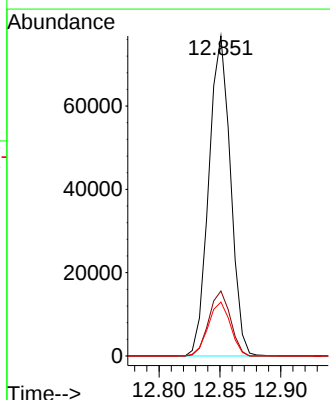
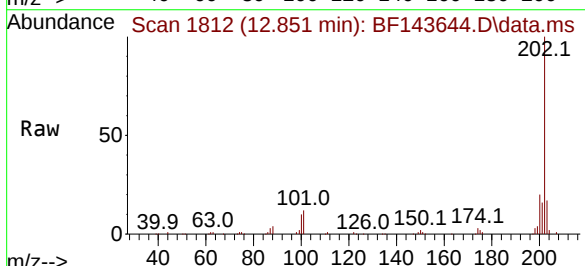
Tgt Ion:202 Resp: 94970

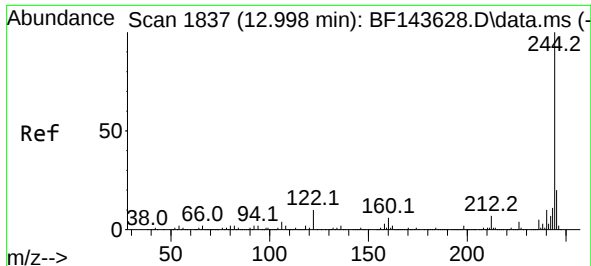
Ion Ratio Lower Upper

202 100

200 20.3 16.7 25.1

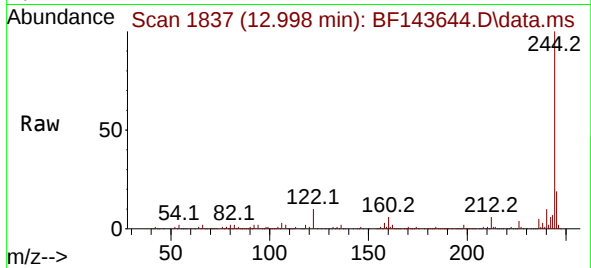
203 16.8 14.0 21.0



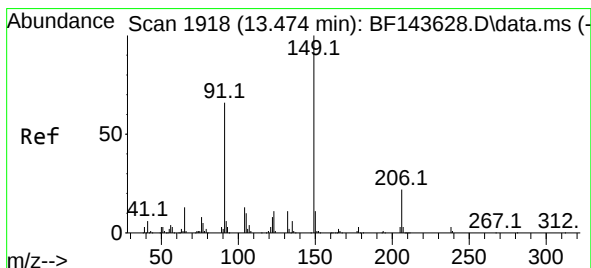
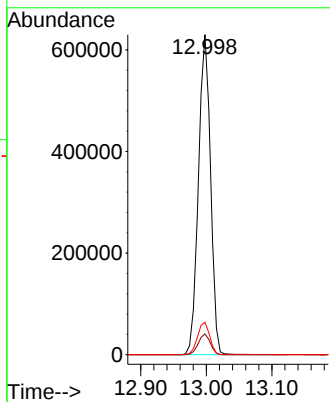
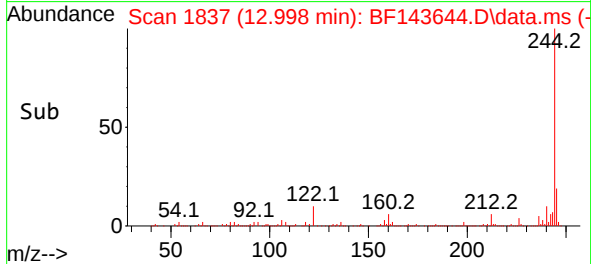


#79
 Terphenyl-d14
 Concen: 85.112 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12

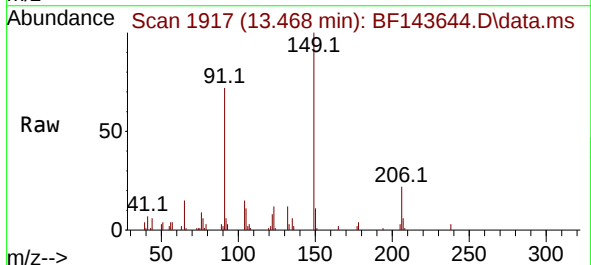
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025



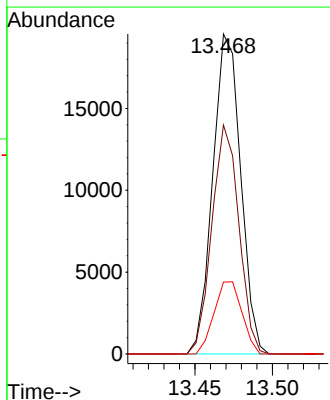
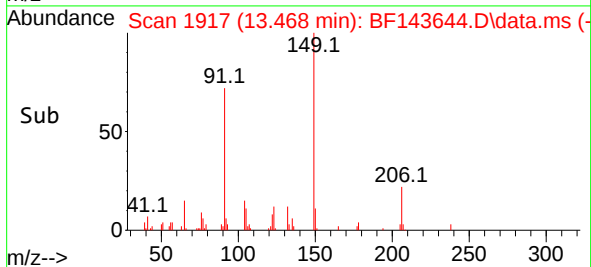
Tgt Ion:244 Resp: 809902
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.1 8.3 12.5

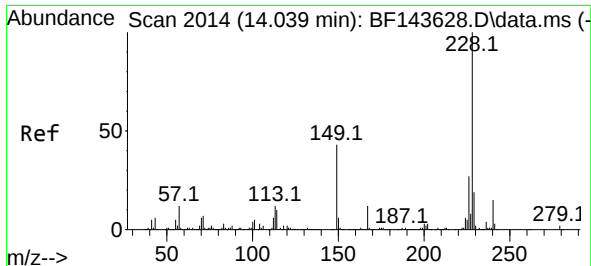


#80
 Butylbenzylphthalate
 Concen: 8.767 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143644.D
 Acq: 04 Sep 2025 15:12



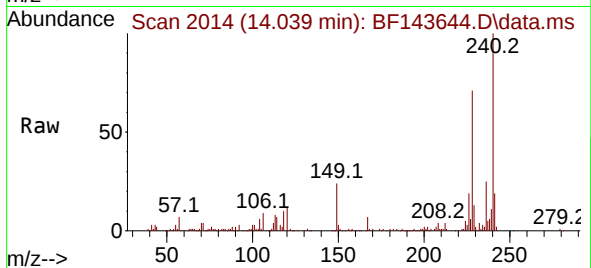
Tgt Ion:149 Resp: 24474
 Ion Ratio Lower Upper
 149 100
 91 71.5 53.0 79.4
 206 22.5 17.4 26.2



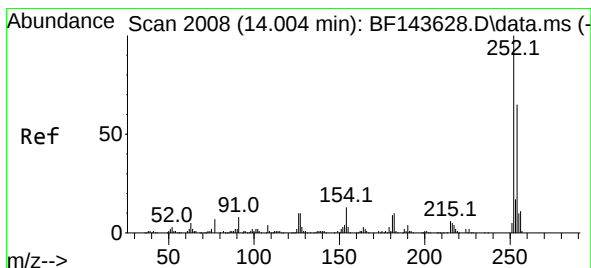
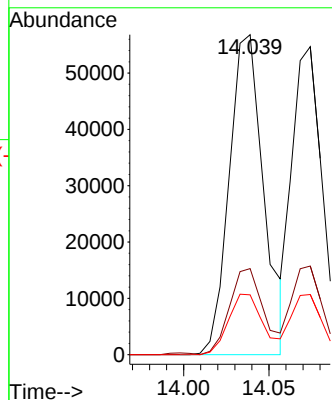
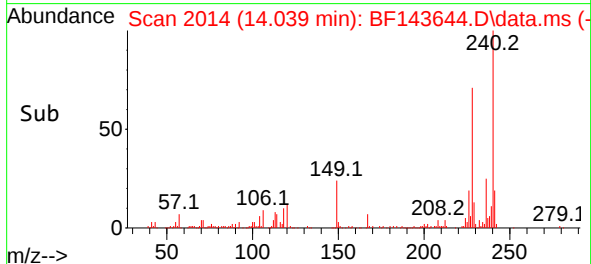


#81
Benzo(a)anthracene
Concen: 7.775 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

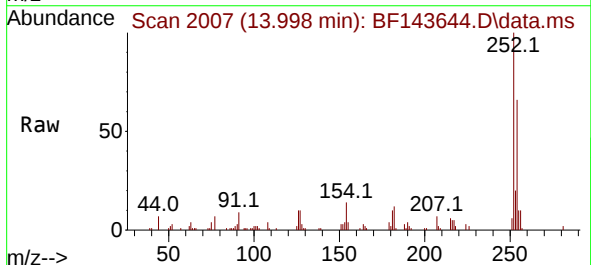
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025



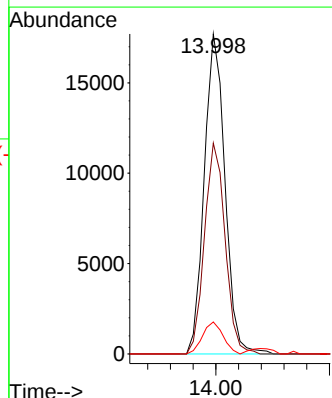
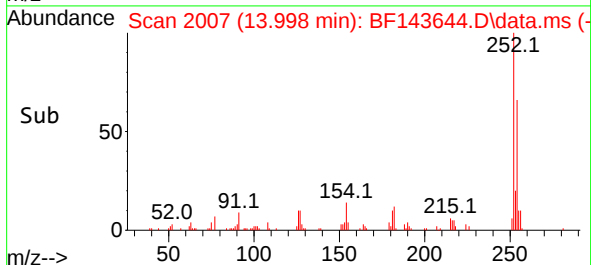
Tgt Ion:228 Resp: 79844
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.2
229 18.7 15.5 23.3

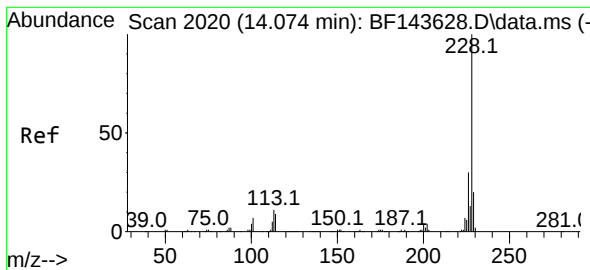


#82
3,3'-Dichlorobenzidine
Concen: 7.990 ng
RT: 13.998 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12



Tgt Ion:252 Resp: 22369
Ion Ratio Lower Upper
252 100
254 65.9 52.2 78.2
126 10.0 8.1 12.1





#83

Chrysene

Concen: 7.318 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

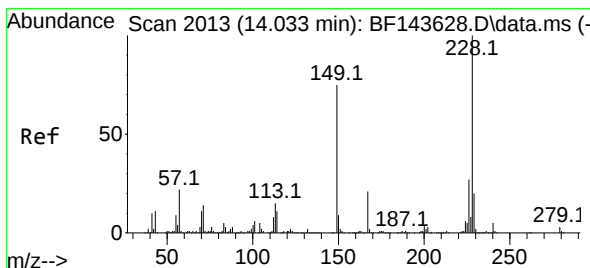
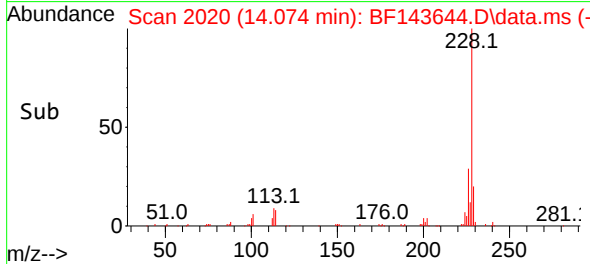
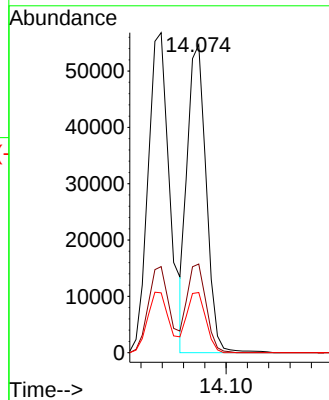
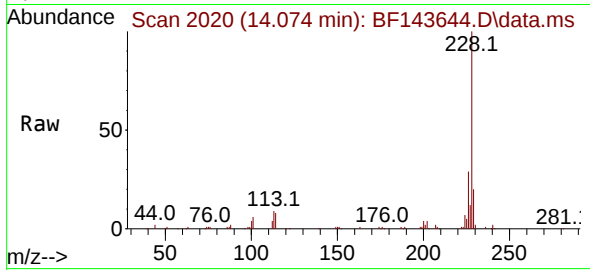
Tgt Ion:228 Resp: 67553

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.6

229 19.5 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.283 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

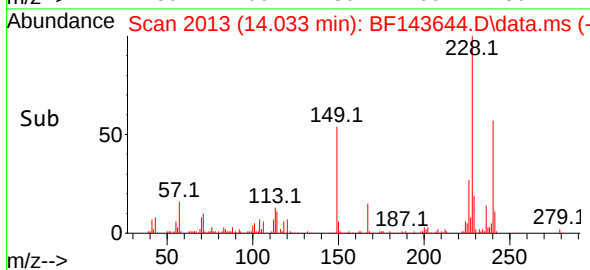
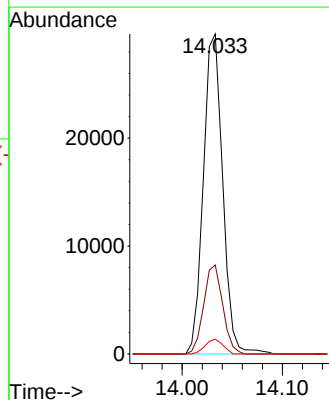
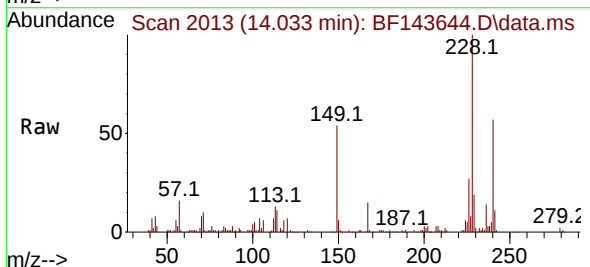
Tgt Ion:149 Resp: 39769

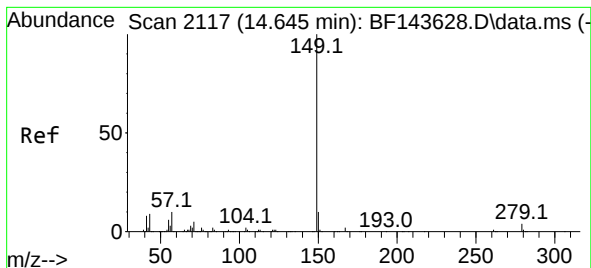
Ion Ratio Lower Upper

149 100

167 27.8 22.1 33.1

279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 6.734 ng

RT: 14.645 min Scan# 2117

Delta R.T. -0.000 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

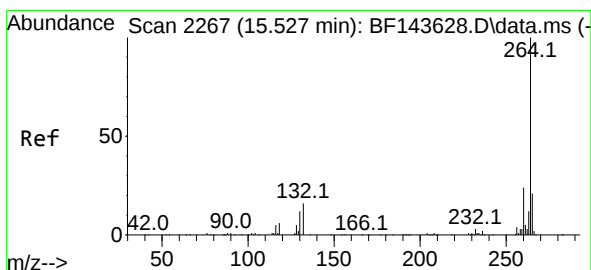
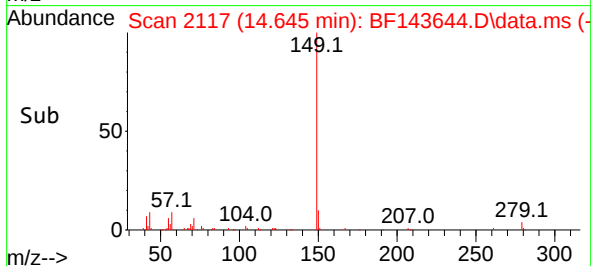
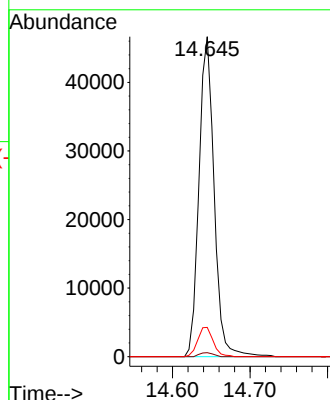
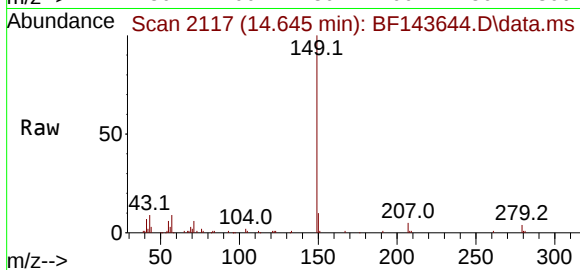
Tgt Ion:149 Resp: 63348

Ion Ratio Lower Upper

149 100

167 1.1 1.2 1.8#

43 9.4 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: BF143644.D

Acq: 04 Sep 2025 15:12

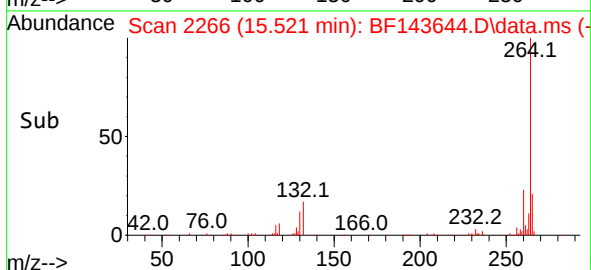
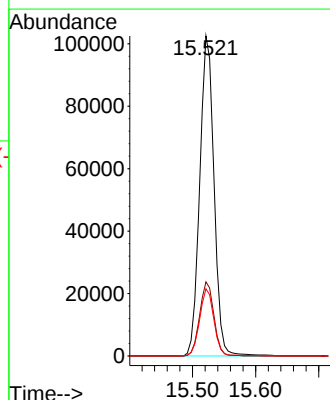
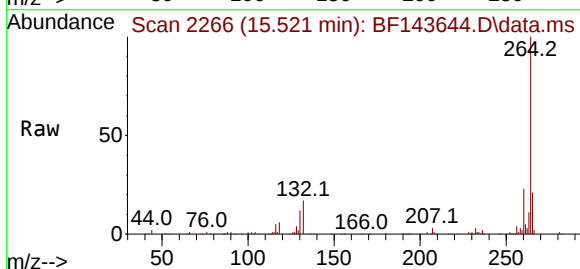
Tgt Ion:264 Resp: 161401

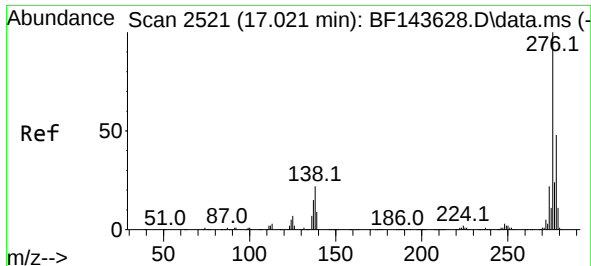
Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.0 17.1 25.7

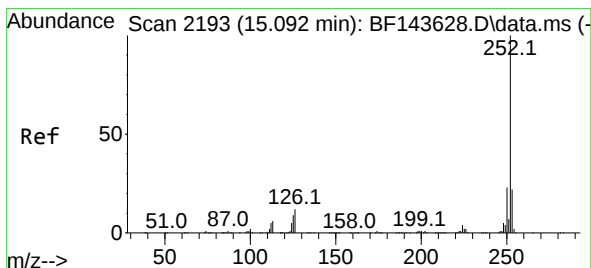
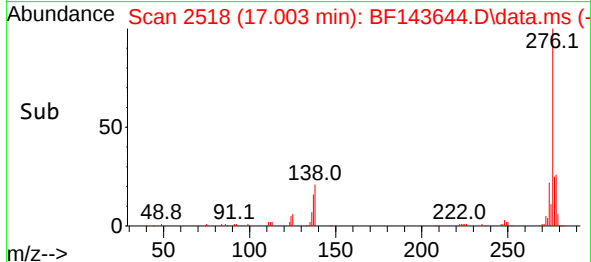
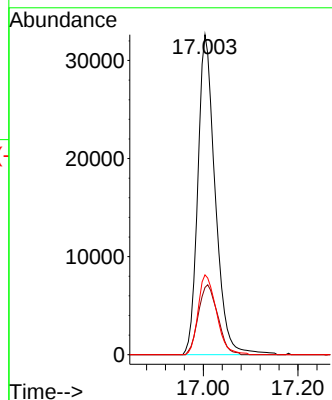
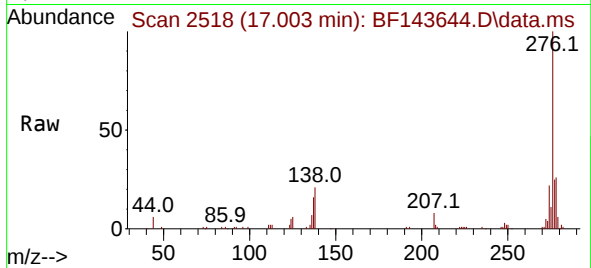




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.369 ng
RT: 17.003 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

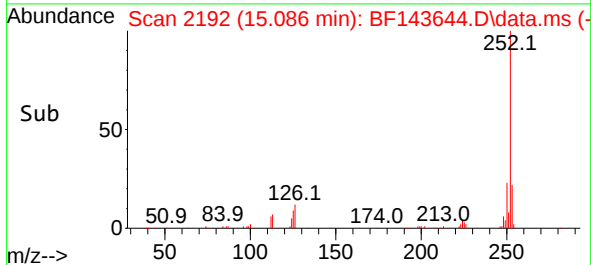
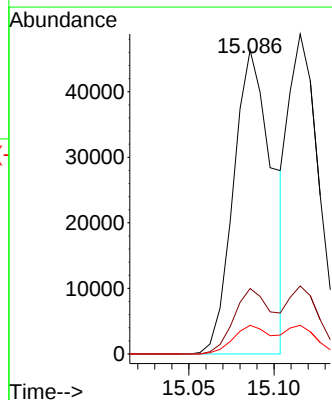
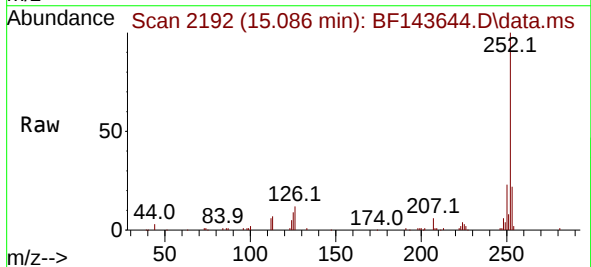
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

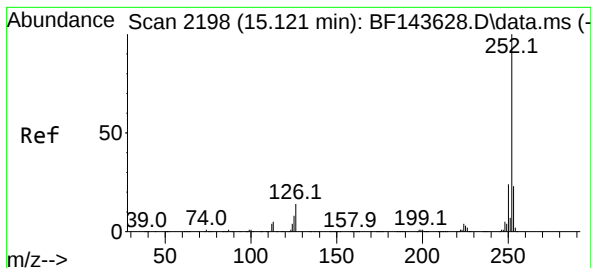
Tgt Ion:276 Resp: 82910
Ion Ratio Lower Upper
276 100
138 24.3 19.8 29.6
277 26.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 7.582 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:252 Resp: 73725
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 7.127 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

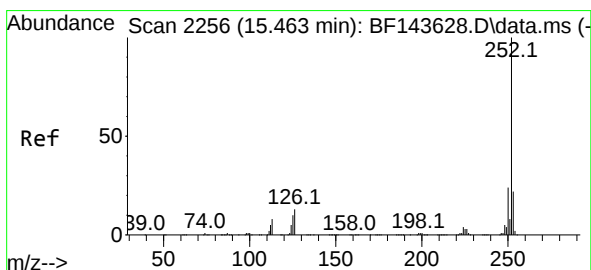
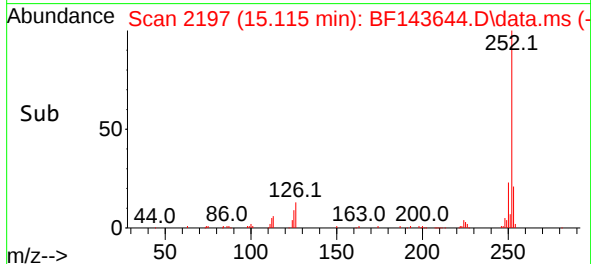
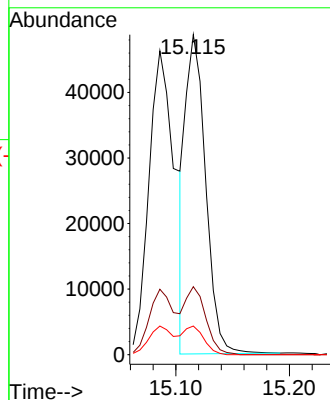
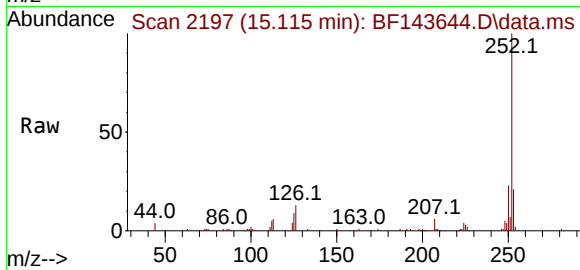
Tgt Ion:252 Resp: 59939

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 9.0 7.3 10.9



#90

Benzo(a)pyrene

Concen: 7.646 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF143644.D

Acq: 04 Sep 2025 15:12

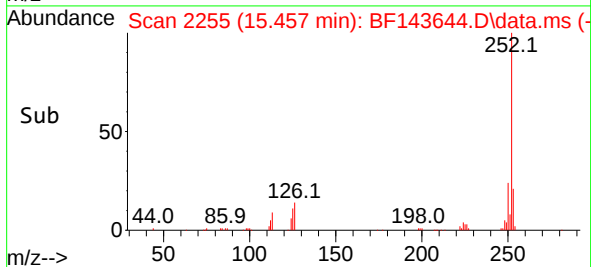
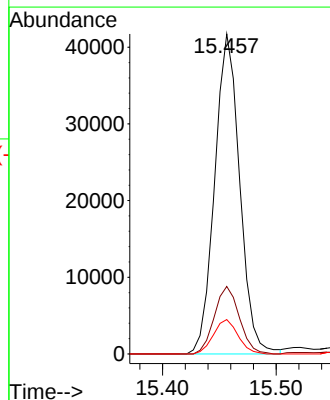
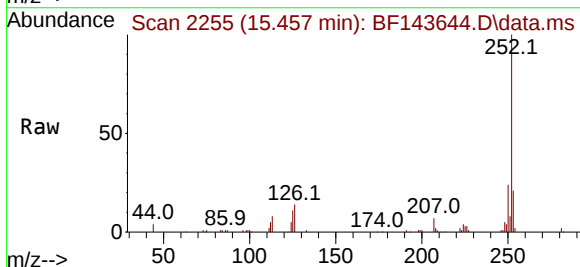
Tgt Ion:252 Resp: 63916

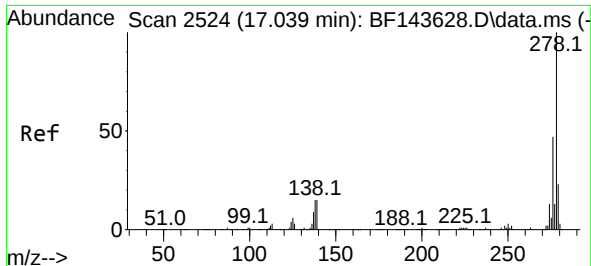
Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

125 10.7 8.3 12.5

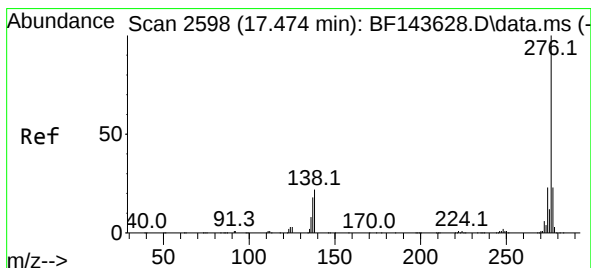
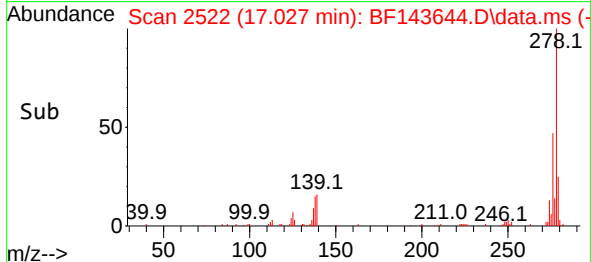
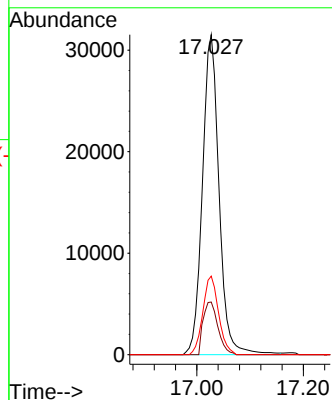
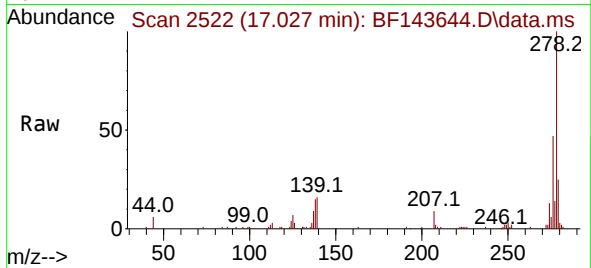




#91
Dibenzo(a,h)anthracene
Concen: 7.383 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

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

Tgt Ion:278 Resp: 68331
Ion Ratio Lower Upper
278 100
139 16.5 12.4 18.6
279 24.5 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 7.572 ng
RT: 17.450 min Scan# 2594
Delta R.T. -0.024 min
Lab File: BF143644.D
Acq: 04 Sep 2025 15:12

Tgt Ion:276 Resp: 67506
Ion Ratio Lower Upper
276 100
277 24.5 18.7 28.1
138 21.5 17.2 25.8

