

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144070.D
 Acq On : 24 Oct 2025 19:46
 Operator : RC/JU
 Sample : Q3406-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

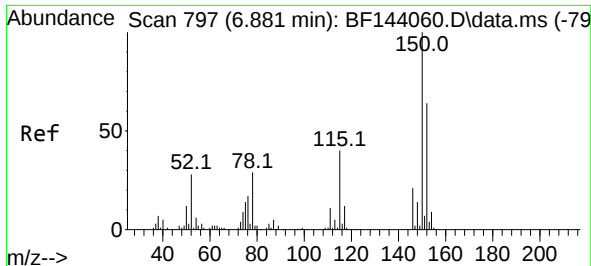
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 10:55:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

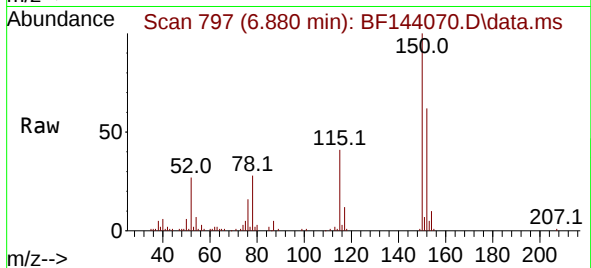
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.880	152	35212	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	119944	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	51920	20.000	ng	0.01
64) Phenanthrene-d10	11.439	188	96978	20.000	ng	# 0.03
76) Chrysene-d12	14.092	240	109976	20.000	ng	# 0.04
86) Perylene-d12	15.562	264	145143	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	110546	49.669	ng	0.00
7) Phenol-d6	6.498	99	116349	47.335	ng	0.00
23) Nitrobenzene-d5	7.439	82	70446	32.178	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	35770	54.085	ng	0.02
45) 2-Fluorobiphenyl	9.233	172	119981	32.519	ng	0.00
79) Terphenyl-d14	13.039	244	167894	26.689	ng	0.04
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	11410	7.178	ng	# 77
25) Isophorone	7.439	82	68865	17.992	ng	# 66
48) 2-Nitroaniline	9.463	65	5330	5.765	ng	# 70
49) Acenaphthylene	9.792	152	11270	2.684	ng	# 1
50) Dimethylphthalate	9.610	163	10206	2.999	ng	# 44
51) 2,6-Dinitrotoluene	9.721	165	11937	17.742	ng	# 29
53) 3-Nitroaniline	9.880	138	13479	18.020	ng	# 26
56) 4-Nitrophenol	10.074	139	4131	8.155	ng	# 1
57) 2,4-Dinitrotoluene	10.151	165	4322	4.760	ng	# 48
59) 2,3,4,6-Tetrachlorophenol	10.239	232	2389	2.785	ng	# 1
60) Diethylphthalate	10.345	149	14981	4.681	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.498	204	11525	6.910	ng	# 47
62) 4-Nitroaniline	10.392	138	27425	38.695	ng	# 84
63) Azobenzene	10.639	77	20913	6.904	ng	# 44
65) 4,6-Dinitro-2-methylph...	10.545	198	1485	2.387	ng	# 1
70) Pentachlorophenol	11.239	266	2412	3.403	ng	# 1
74) Di-n-butylphthalate	11.998	149	41314	7.955	ng	# 28
77) Benzidine	12.739	184	6883	2.011	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.051	149	11871	2.907	ng	# 70

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

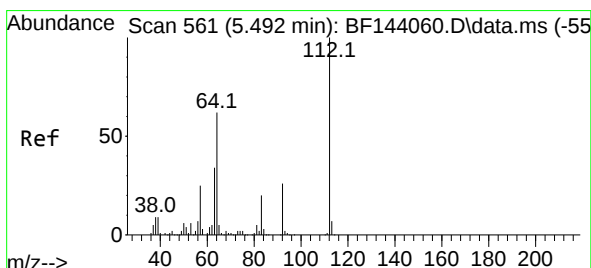
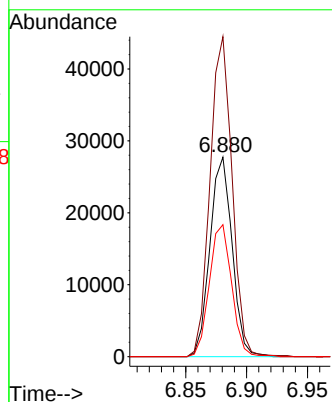
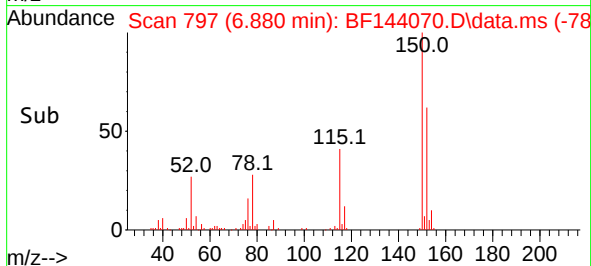


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.880 min Scan# 797
 Delta R.T. -0.001 min
 Lab File: BF144070.D
 Acq: 24 Oct 2025 19:46

Instrument :
 BNA_F
 ClientSampleId :

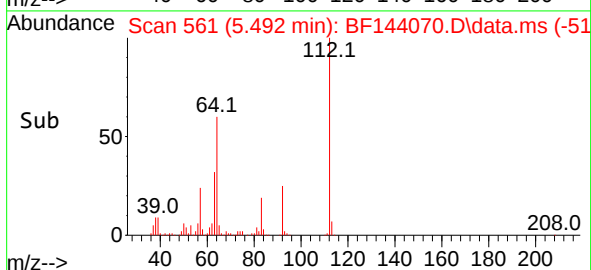
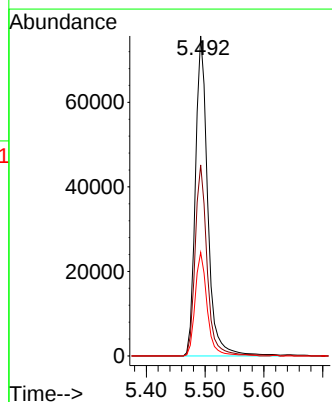
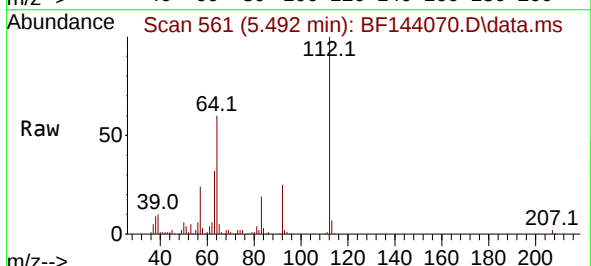


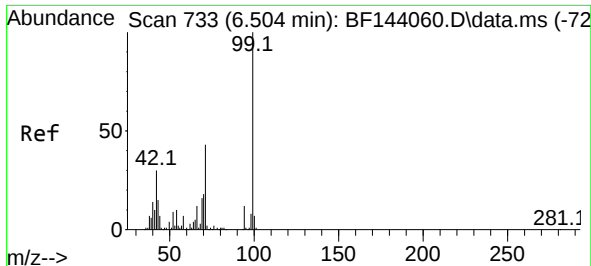
Tgt Ion:152 Resp: 35212
 Ion Ratio Lower Upper
 152 100
 150 160.4 124.4 186.6
 115 66.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 49.669 ng
 RT: 5.492 min Scan# 561
 Delta R.T. -0.000 min
 Lab File: BF144070.D
 Acq: 24 Oct 2025 19:46

Tgt Ion:112 Resp: 110546
 Ion Ratio Lower Upper
 112 100
 64 59.7 49.8 74.8
 63 32.3 27.4 41.2



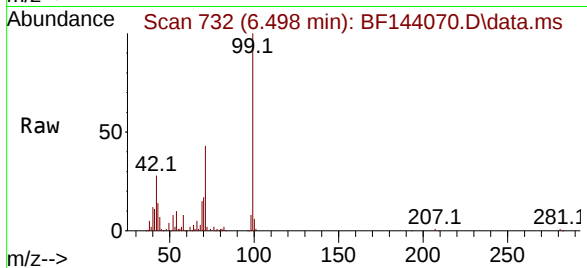


#7
Phenol-d6
Concen: 47.335 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

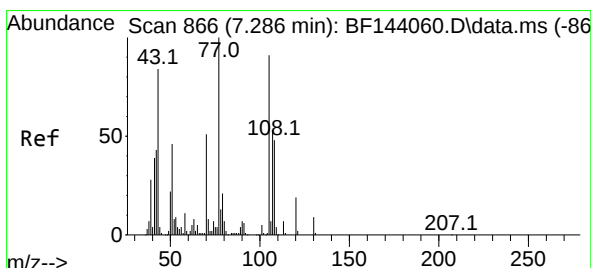
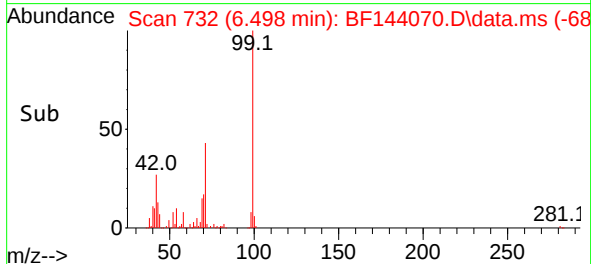
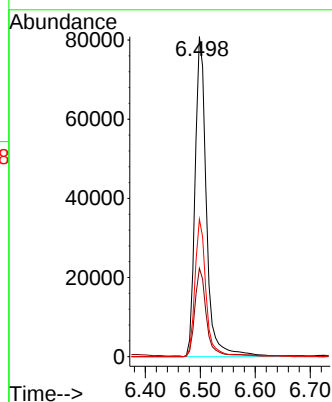
Instrument :

BNA_F

ClientSampleId :

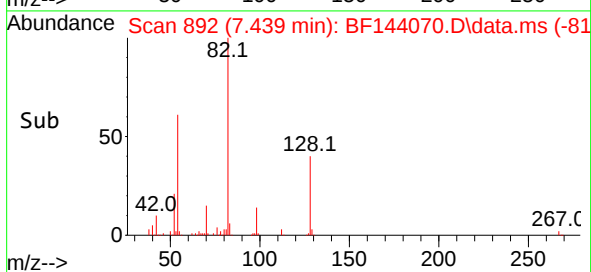
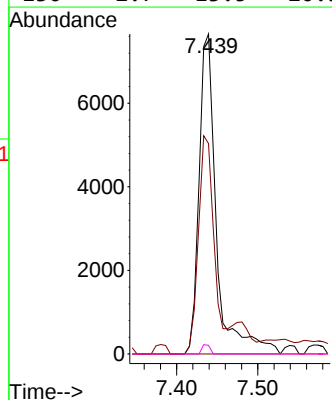
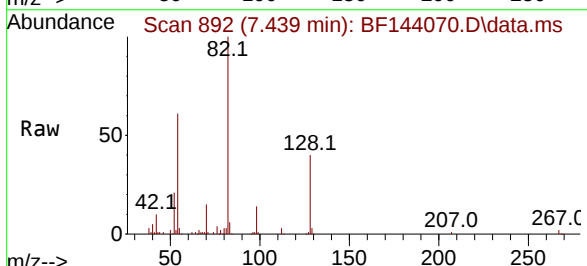


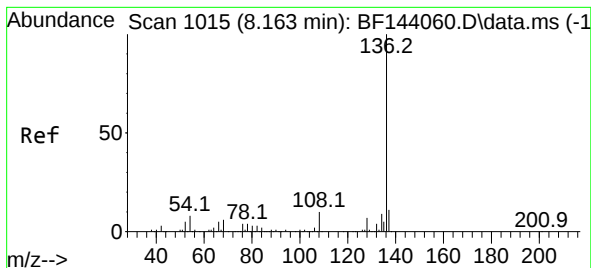
Tgt Ion: 99 Resp: 116349
Ion Ratio Lower Upper
99 100
42 27.6 23.9 35.9
71 43.0 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 7.178 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion: 70 Resp: 11410
Ion Ratio Lower Upper
70 100
42 65.8 67.4 101.0#
101 0.0 7.1 10.7#
130 2.7 13.5 20.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.000 min

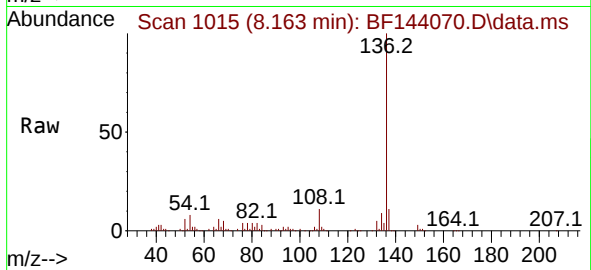
Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 119944

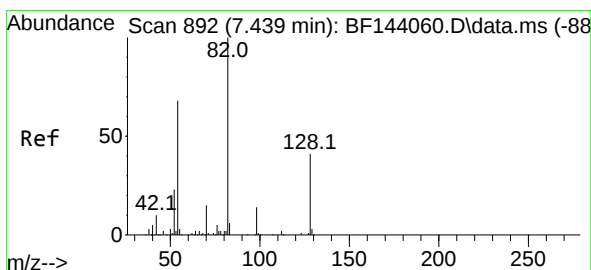
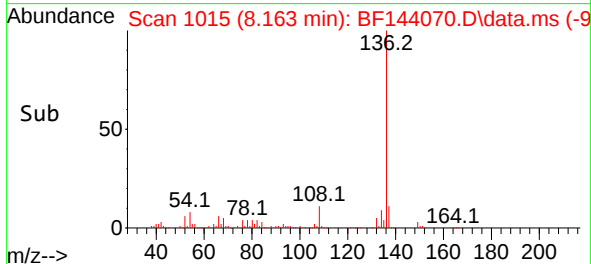
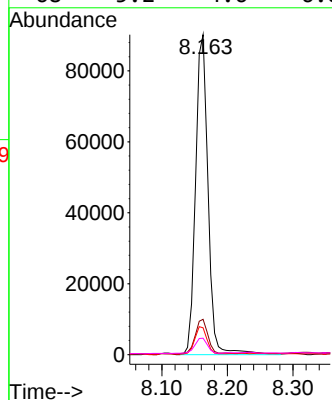
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 8.4 6.6 9.8

68 5.2 4.6 6.8



#23

Nitrobenzene-d5

Concen: 32.178 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

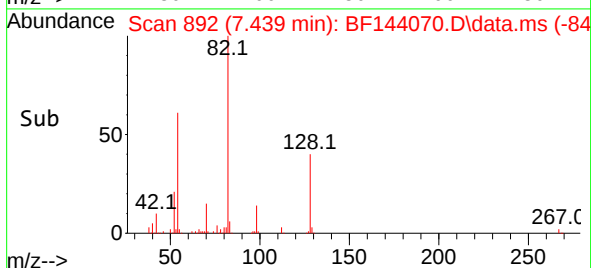
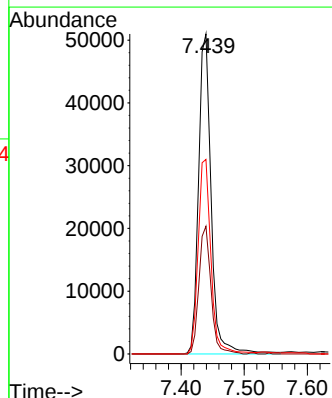
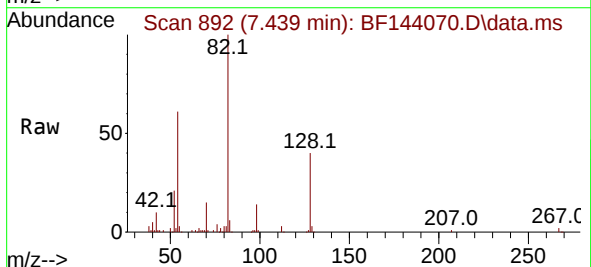
Tgt Ion: 82 Resp: 70446

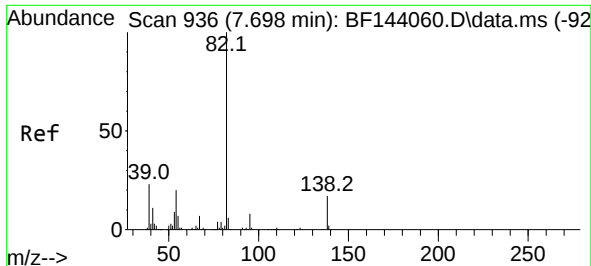
Ion Ratio Lower Upper

82 100

128 39.9 32.4 48.6

54 60.8 54.0 81.0

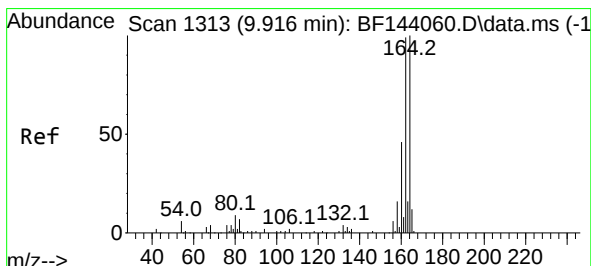
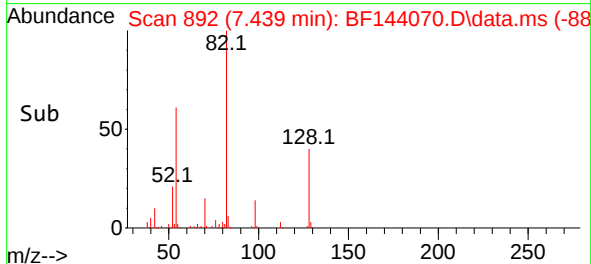
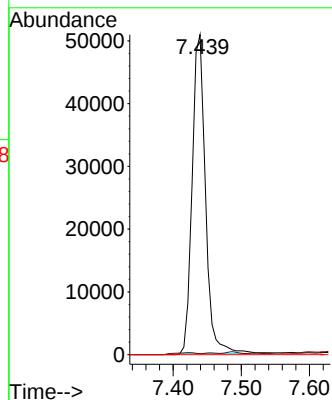
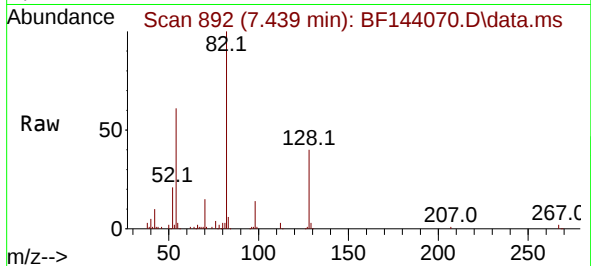




#25
Isophorone
Concen: 17.992 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

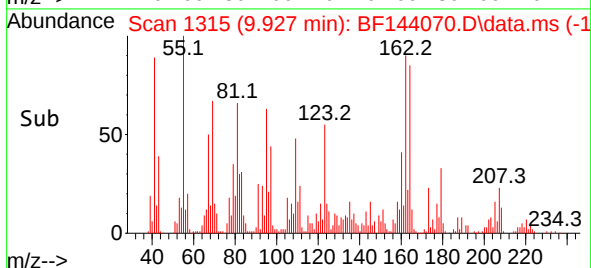
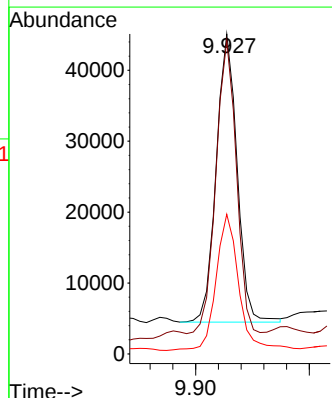
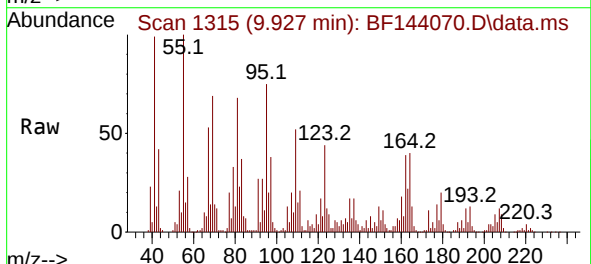
Instrument :
BNA_F
ClientSampleId :

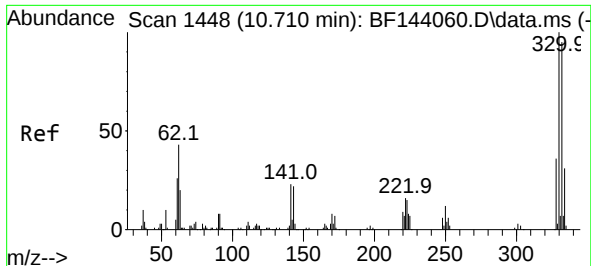
Tgt Ion: 82 Resp: 68865
Ion Ratio Lower Upper
82 100
95 0.3 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.012 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion:164 Resp: 51920
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.2
160 43.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 54.085 ng

RT: 10.727 min Scan# 1448

Delta R.T. 0.018 min

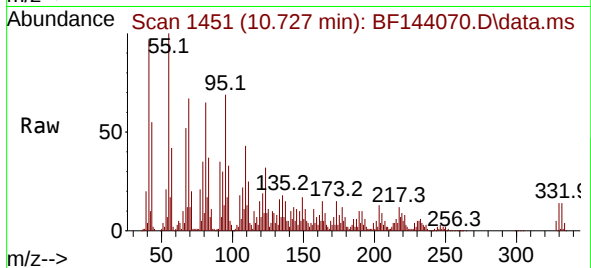
Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :



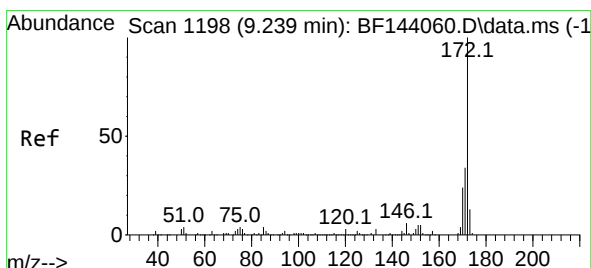
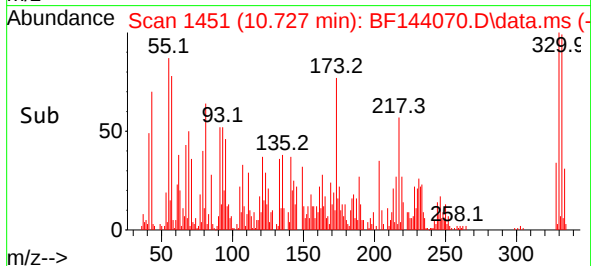
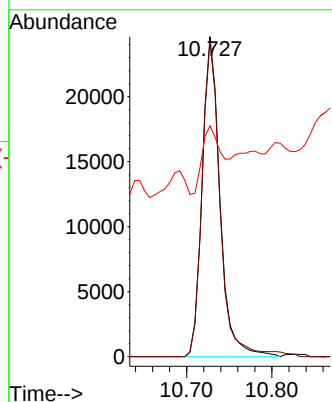
Tgt Ion:330 Resp: 35770

Ion Ratio Lower Upper

330 100

332 99.8 77.0 115.6

141 22.0 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 32.519 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

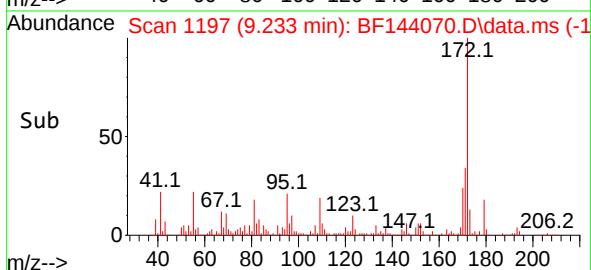
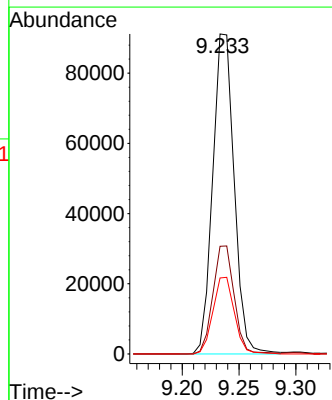
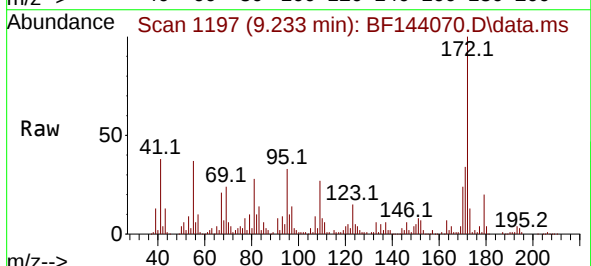
Tgt Ion:172 Resp: 119981

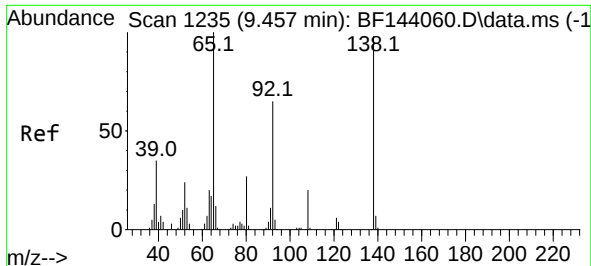
Ion Ratio Lower Upper

172 100

171 33.6 27.5 41.3

170 23.7 19.0 28.6

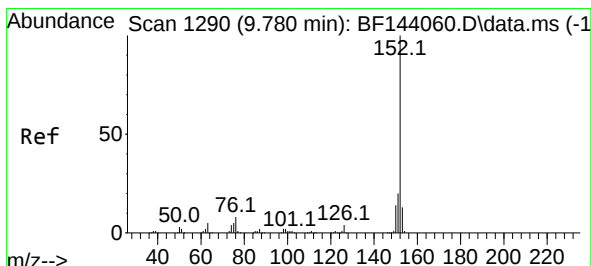
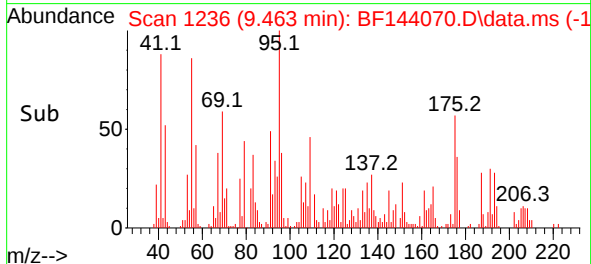
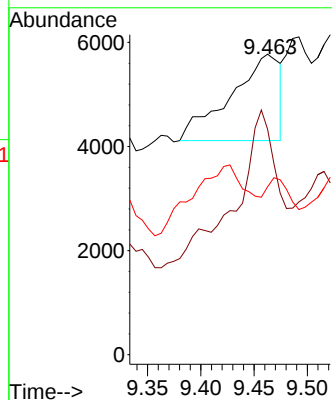
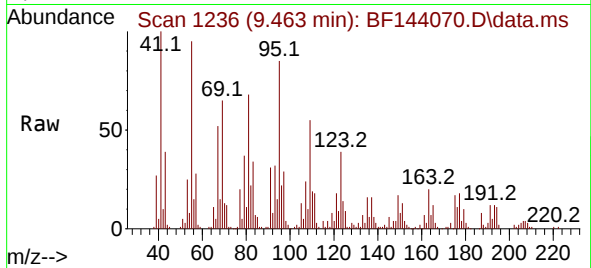




#48
2-Nitroaniline
Concen: 5.765 ng
RT: 9.463 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

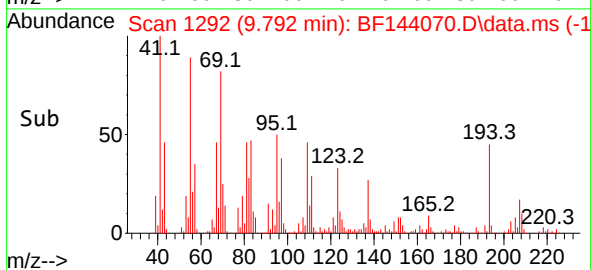
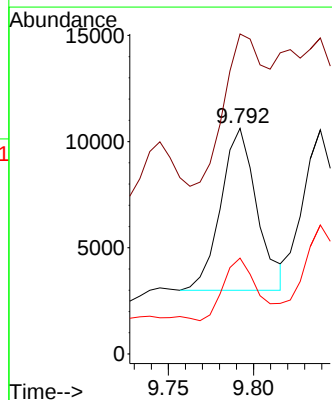
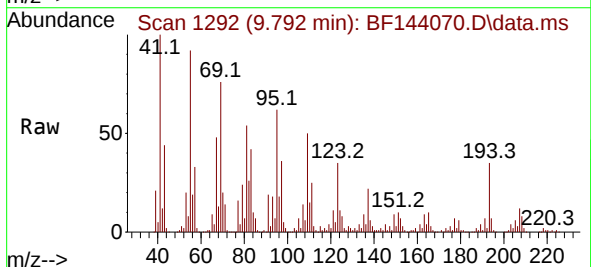
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BNA_F
ClientSampleId :

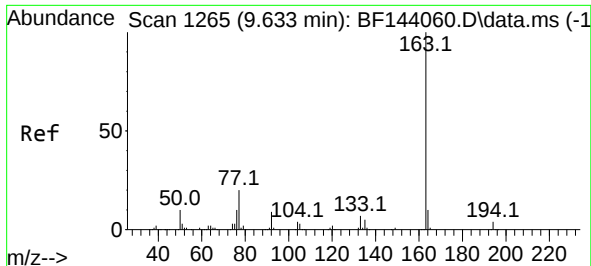
Tgt Ion: 65 Resp: 5330
Ion Ratio Lower Upper
65 100
92 75.1 52.3 78.5
138 55.9 78.3 117.5#



#49
Acenaphthylene
Concen: 2.684 ng
RT: 9.792 min Scan# 1292
Delta R.T. 0.012 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

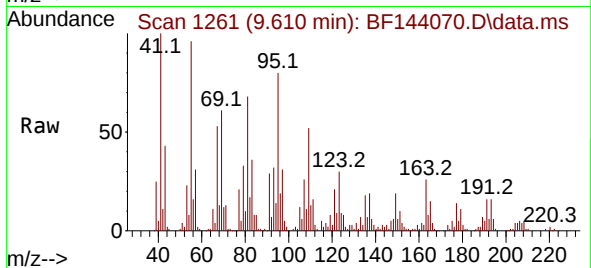
Tgt Ion: 152 Resp: 11270
Ion Ratio Lower Upper
152 100
151 141.8 15.9 23.9#
153 42.4 10.4 15.6#



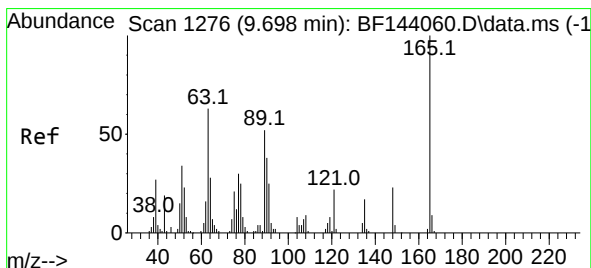
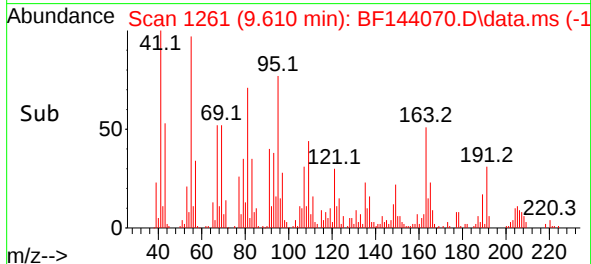
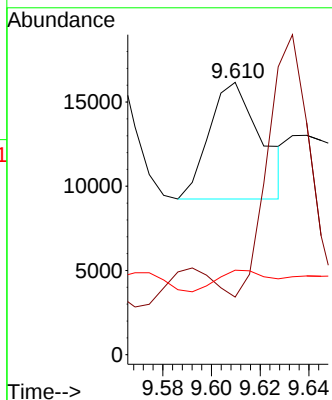


#50
Dimethylphthalate
Concen: 2.999 ng
RT: 9.610 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Instrument :
BNA_F
ClientSampleId :

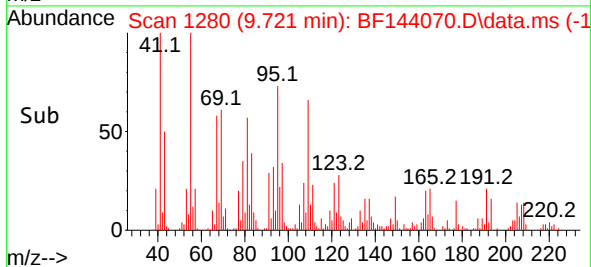
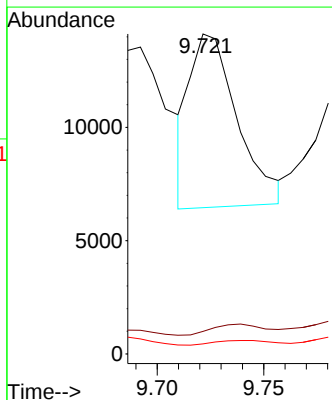
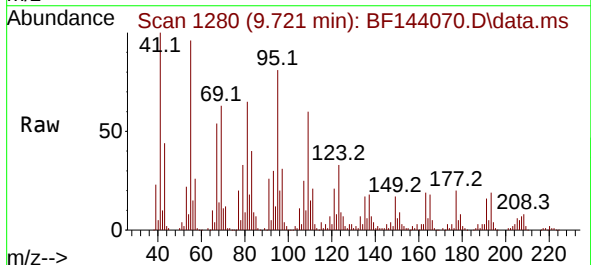


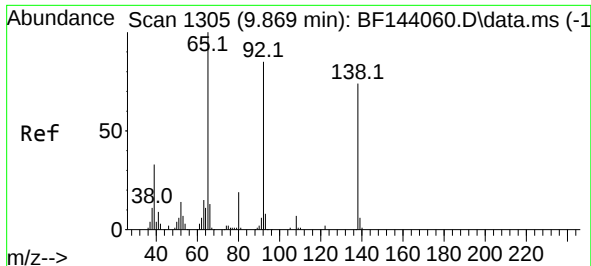
Tgt Ion:163 Resp: 10206
Ion Ratio Lower Upper
163 100
194 21.1 3.4 5.0#
164 31.1 7.8 11.8#



#51
2,6-Dinitrotoluene
Concen: 17.742 ng
RT: 9.721 min Scan# 1280
Delta R.T. 0.023 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion:165 Resp: 11937
Ion Ratio Lower Upper
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63 7.1 50.4 75.6#
89 3.2 41.4 62.2#

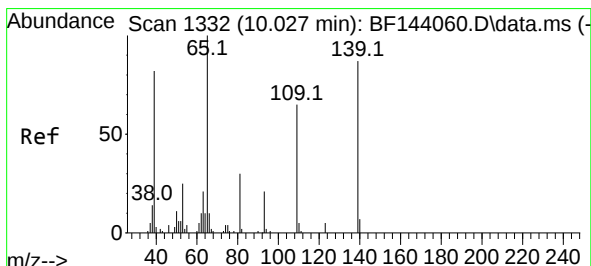
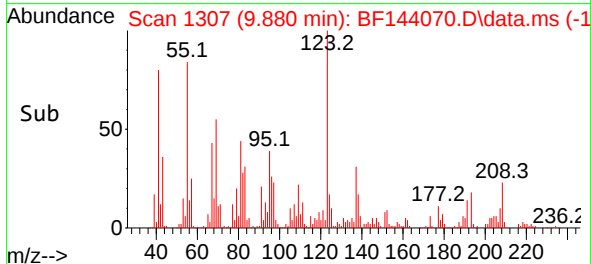
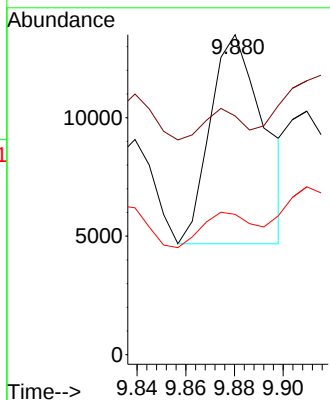
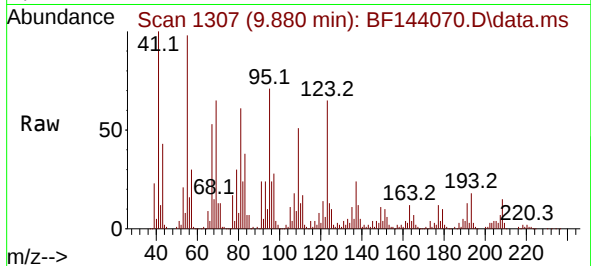




#53
3-Nitroaniline
Concen: 18.020 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

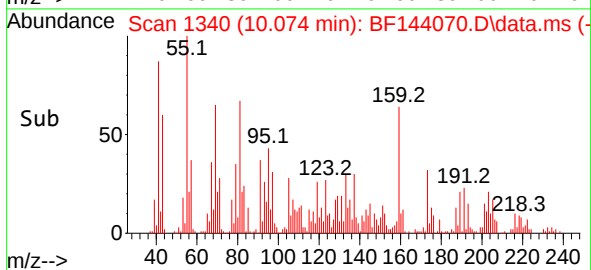
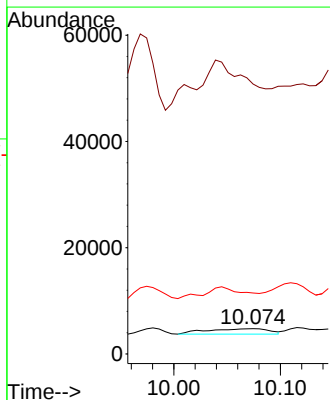
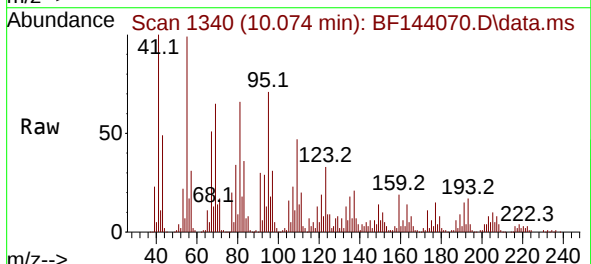
Instrument :
BNA_F
ClientSampleId :

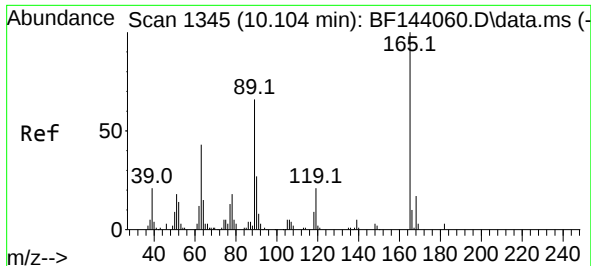
Tgt Ion:138 Resp: 13479
Ion Ratio Lower Upper
138 100
108 74.6 7.9 11.9#
92 43.9 92.0 138.0#



#56
4-Nitrophenol
Concen: 8.155 ng
RT: 10.074 min Scan# 1340
Delta R.T. 0.047 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

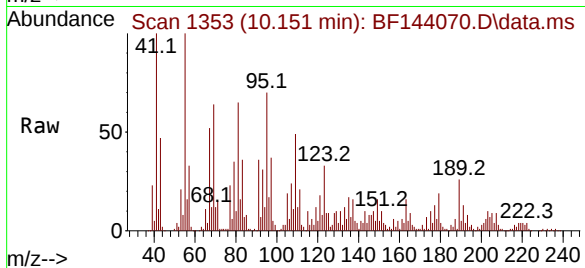
Tgt Ion:139 Resp: 4131
Ion Ratio Lower Upper
139 100
109 1070.2 53.8 93.8#
65 241.9 95.9 135.9#



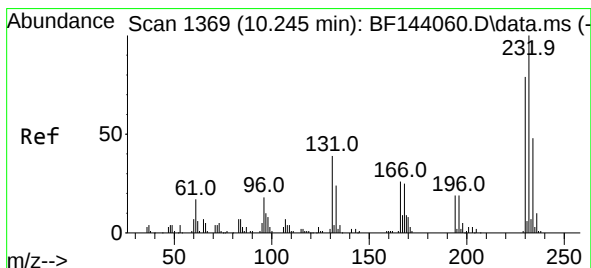
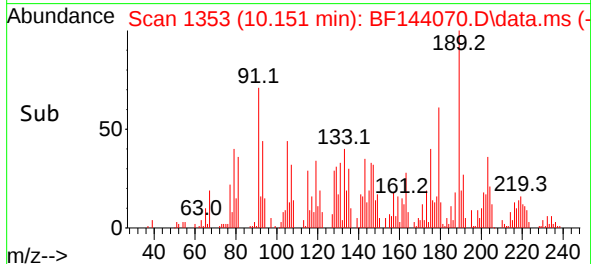
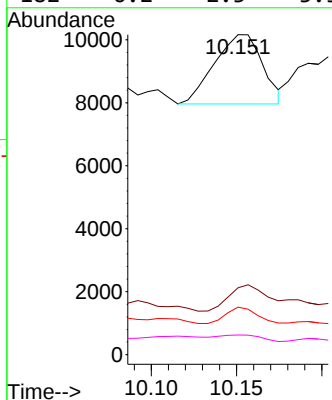


#57
2,4-Dinitrotoluene
Concen: 4.760 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.047 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Instrument :
BNA_F
ClientSampleId :

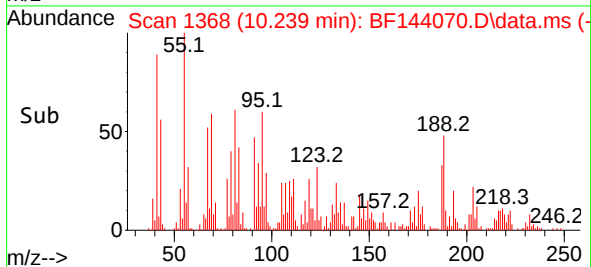
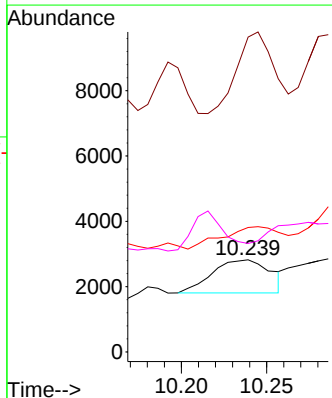
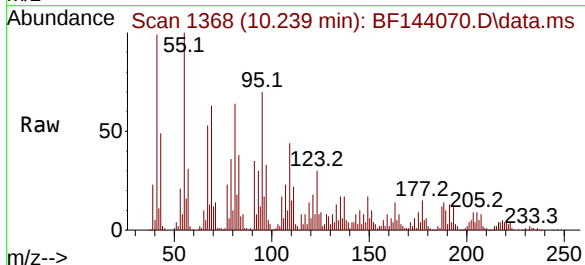


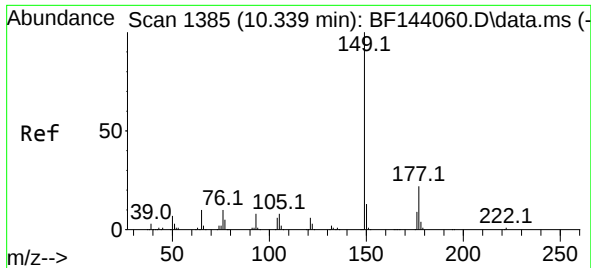
Tgt Ion:165 Resp: 4322
Ion Ratio Lower Upper
165 100
63 20.9 35.4 53.2#
89 14.8 52.7 79.1#
182 6.2 2.3 3.5#



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.785 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion:232 Resp: 2389
Ion Ratio Lower Upper
232 100
131 158.6 31.9 47.9#
130 0.0 1.1 1.7#
166 0.0 21.0 31.4#

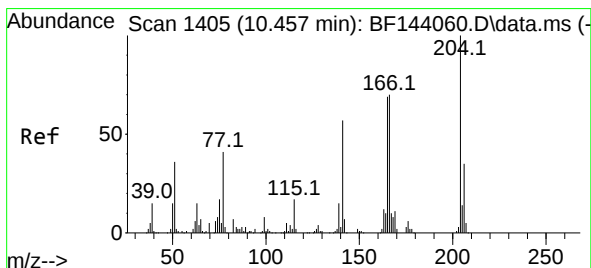
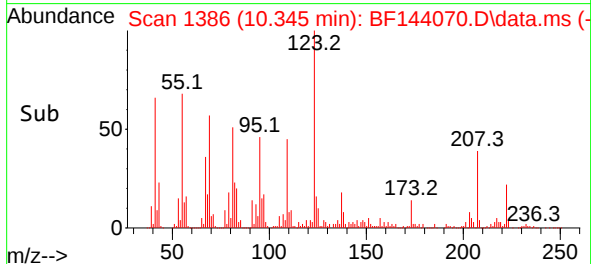
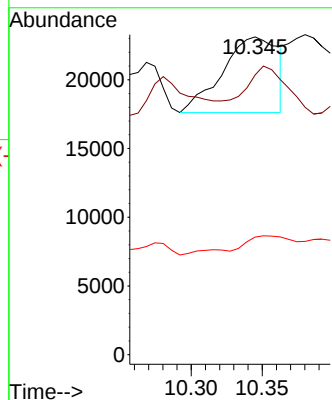
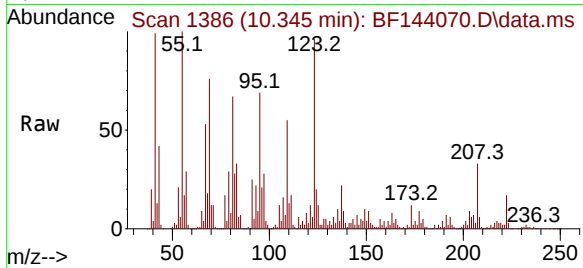




#60
Diethylphthalate
Concen: 4.681 ng
RT: 10.345 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

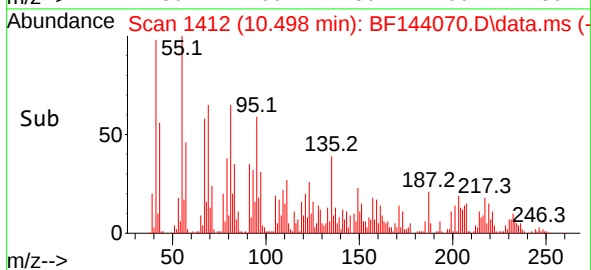
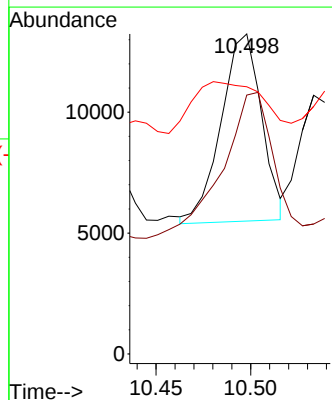
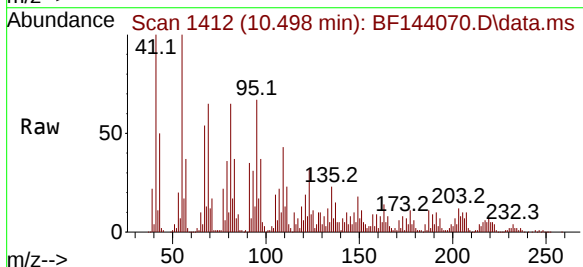
Instrument :
BNA_F
ClientSampleId :

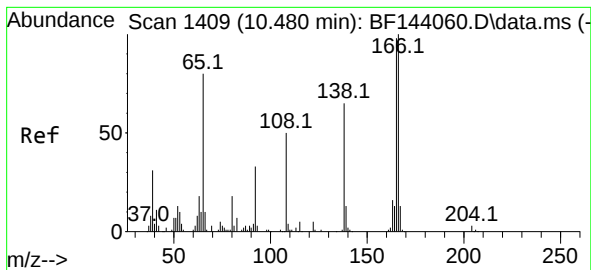
Tgt Ion:149 Resp: 14981
Ion Ratio Lower Upper
149 100
177 88.1 17.8 26.6#
150 37.0 10.1 15.1#



#61
4-Chlorophenyl-phenylether
Concen: 6.910 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.041 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion:204 Resp: 11525
Ion Ratio Lower Upper
204 100
206 80.9 27.8 41.6#
141 83.5 45.4 68.2#

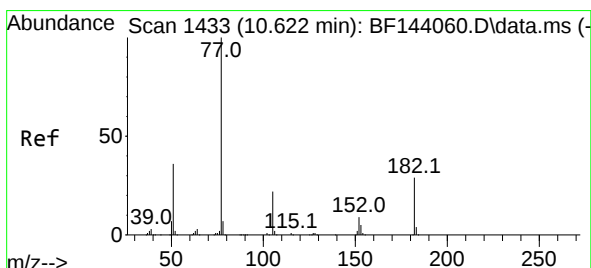
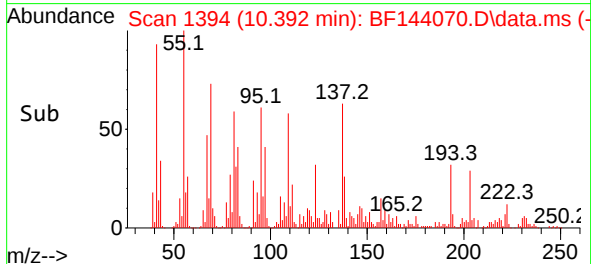
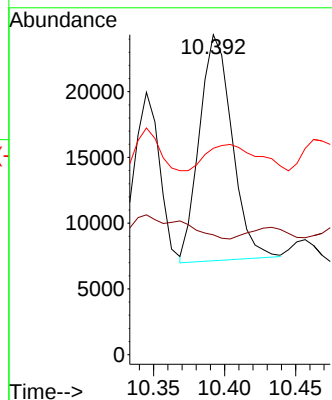
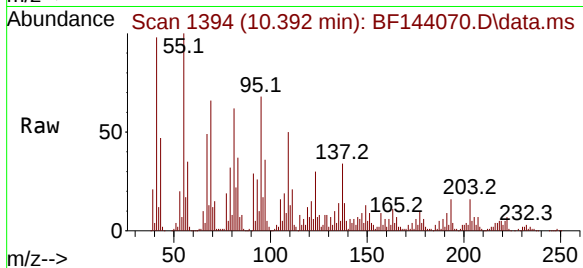




#62
4-Nitroaniline
Concen: 38.695 ng
RT: 10.392 min Scan# 11
Delta R.T. -0.088 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

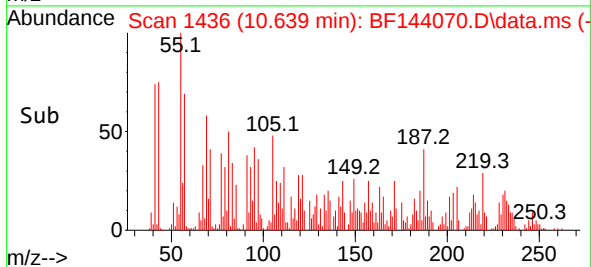
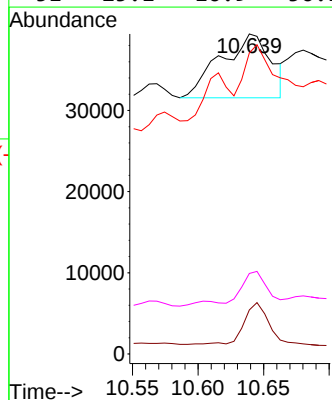
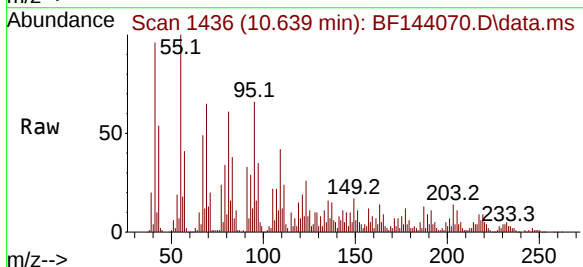
Instrument :
BNA_F
ClientSampleId :

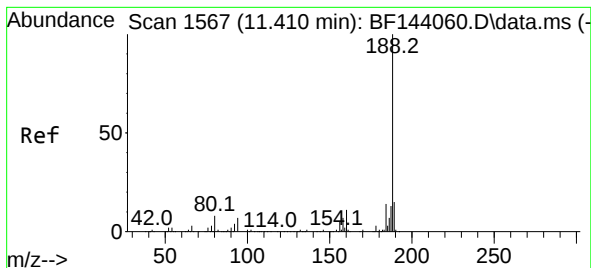
Tgt Ion:138 Resp: 27425
Ion Ratio Lower Upper
138 100
92 37.5 30.5 70.5
108 64.5 56.2 96.2



#63
Azobenzene
Concen: 6.904 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.018 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Tgt Ion: 77 Resp: 20913
Ion Ratio Lower Upper
77 100
182 13.8 9.0 49.0
105 94.1 1.4 41.4#
51 25.1 16.9 56.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :

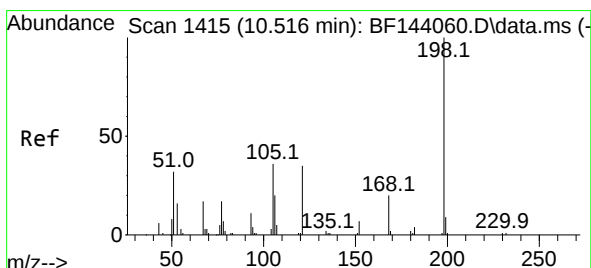
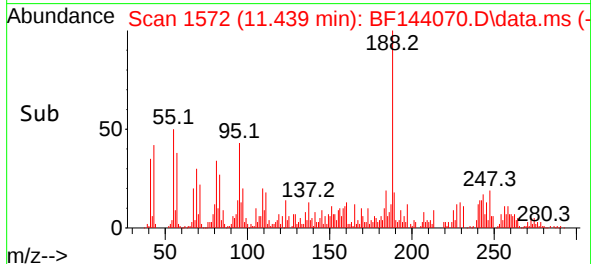
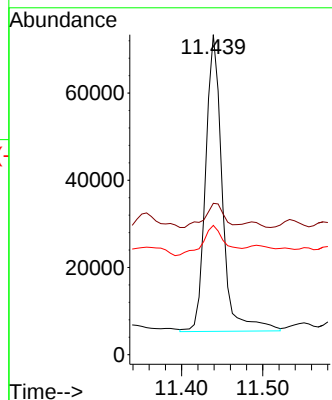
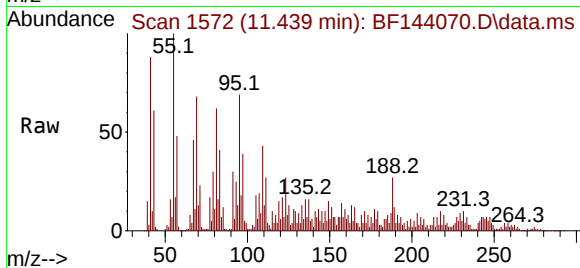
Tgt Ion:188 Resp: 96978

Ion Ratio Lower Upper

188 100

94 47.3 5.4 8.0#

80 40.4 6.0 9.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.387 ng

RT: 10.545 min Scan# 1420

Delta R.T. 0.029 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

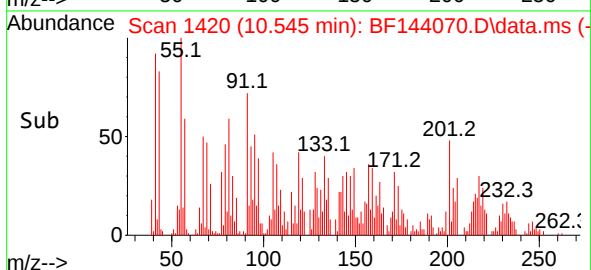
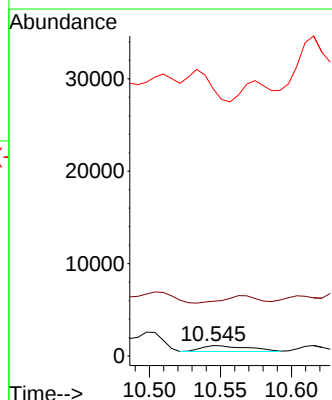
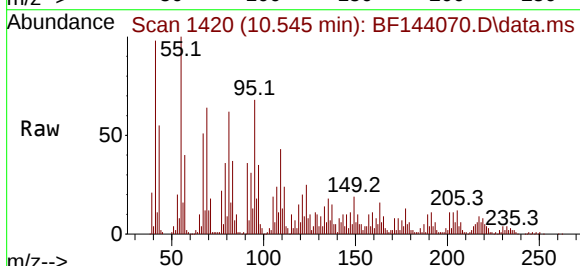
Tgt Ion:198 Resp: 1485

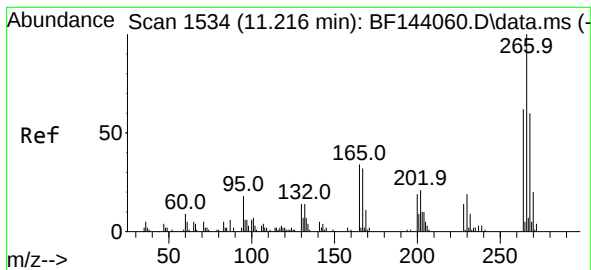
Ion Ratio Lower Upper

198 100

51 527.8 25.8 65.8#

105 2574.7 17.2 57.2#





#70

Pentachlorophenol

Concen: 3.403 ng

RT: 11.239 min Scan# 11

Delta R.T. 0.023 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :

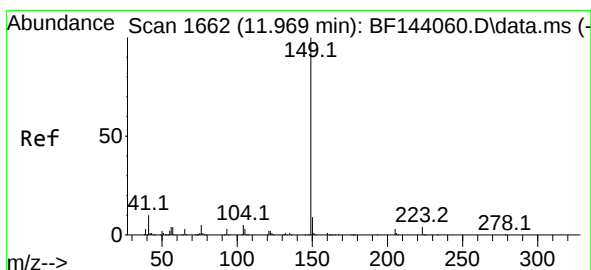
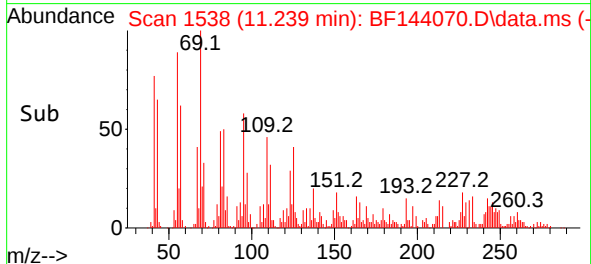
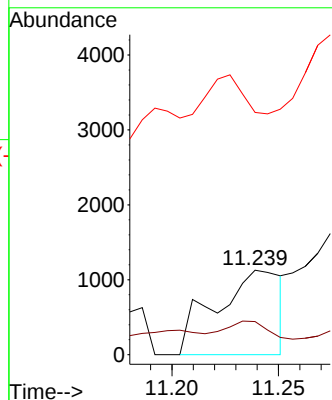
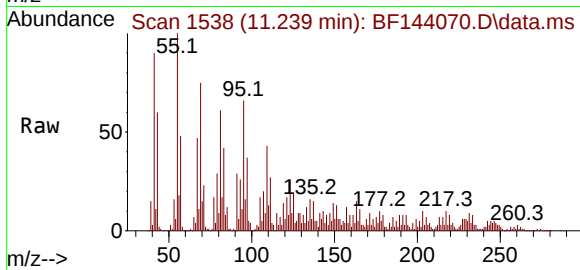
Tgt Ion:266 Resp: 2412

Ion Ratio Lower Upper

266 100

268 39.3 48.2 72.4#

264 286.9 49.4 74.0#



#74

Di-n-butylphthalate

Concen: 7.955 ng

RT: 11.998 min Scan# 1667

Delta R.T. 0.029 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

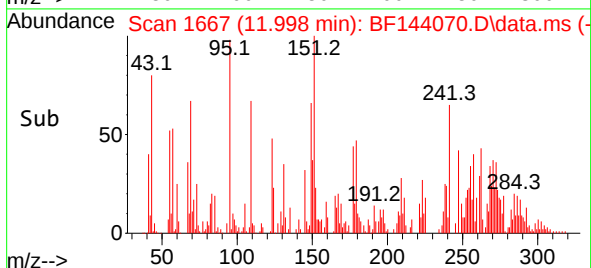
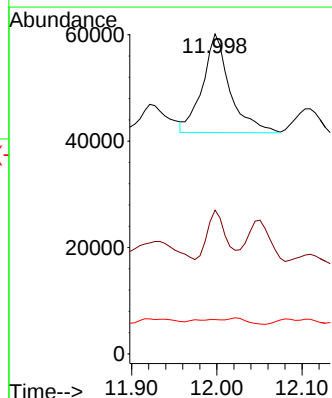
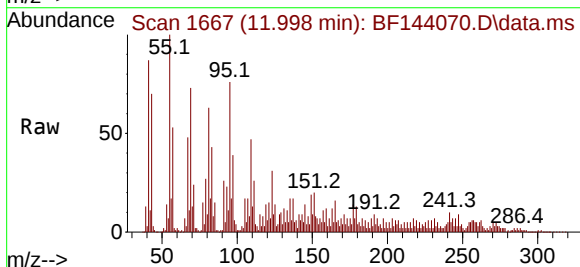
Tgt Ion:149 Resp: 41314

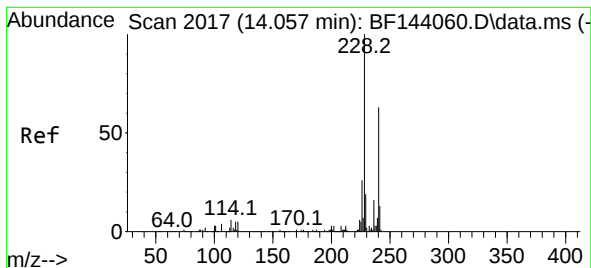
Ion Ratio Lower Upper

149 100

150 45.0 7.3 10.9#

104 10.8 3.6 5.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :

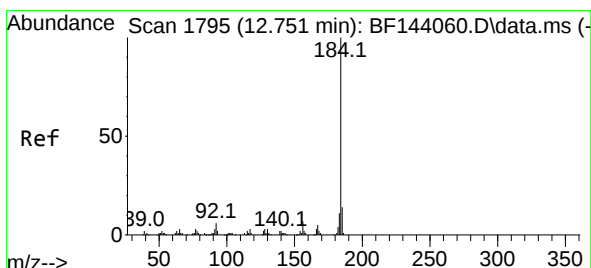
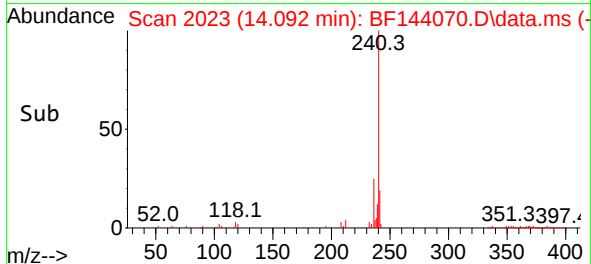
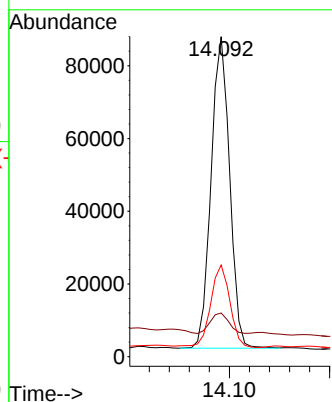
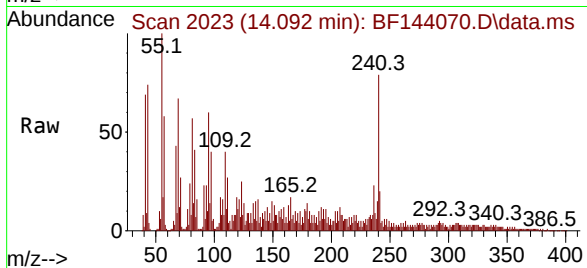
Tgt Ion:240 Resp: 109976

Ion Ratio Lower Upper

240 100

120 13.6 6.5 9.7#

236 28.6 20.1 30.1



#77

Benzidine

Concen: 2.011 ng

RT: 12.739 min Scan# 1793

Delta R.T. -0.012 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

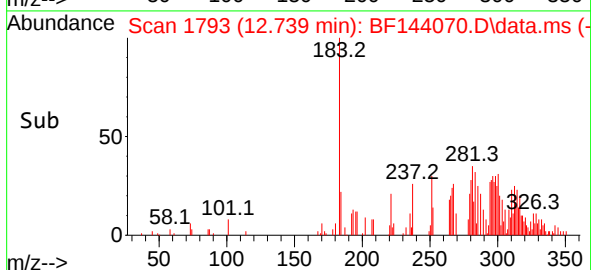
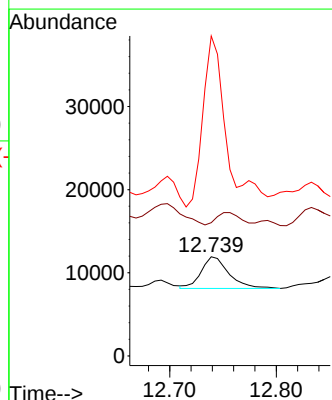
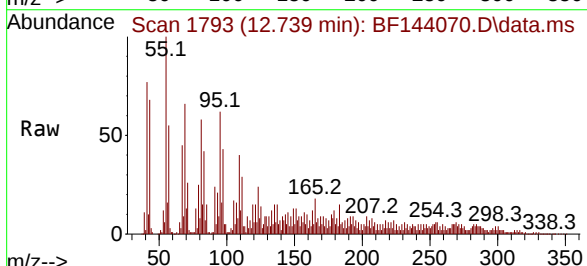
Tgt Ion:184 Resp: 6883

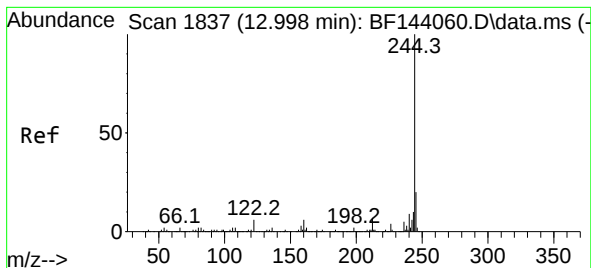
Ion Ratio Lower Upper

184 100

185 134.4 11.6 17.4#

183 322.5 8.5 12.7#





#79

Terphenyl-d14

Concen: 26.689 ng

RT: 13.039 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

Instrument :

BNA_F

ClientSampleId :

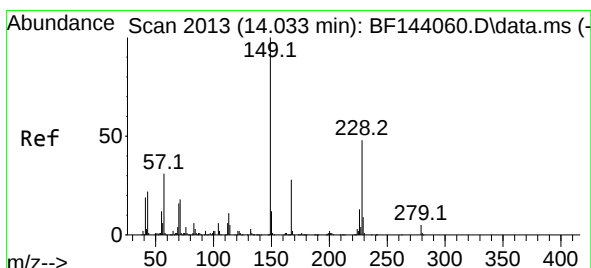
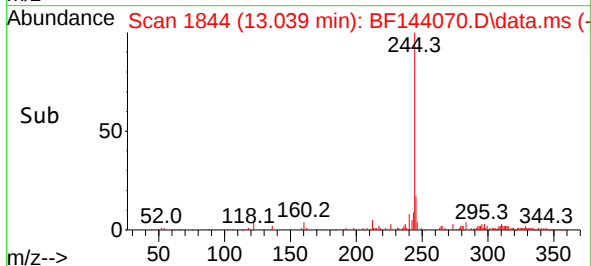
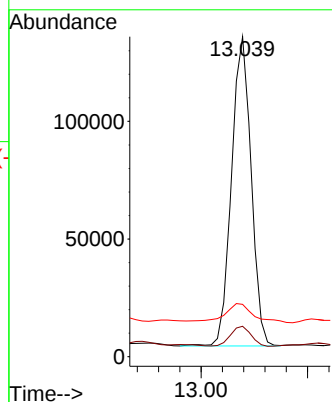
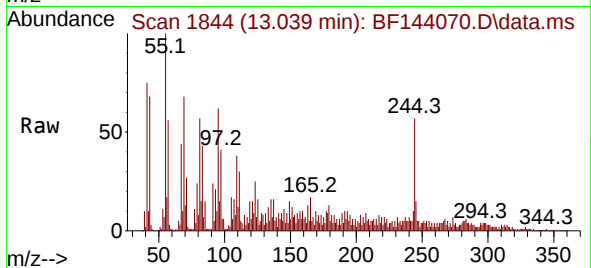
Tgt Ion:244 Resp: 167894

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.6#

122 16.4 4.9 7.3#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.907 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF144070.D

Acq: 24 Oct 2025 19:46

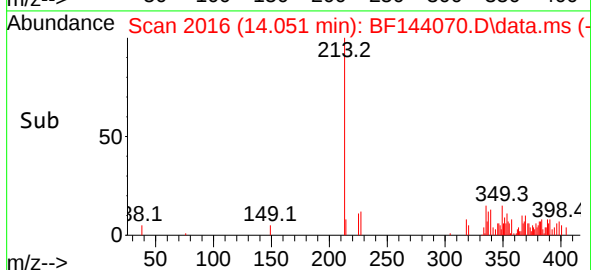
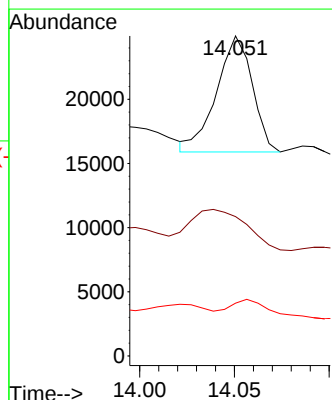
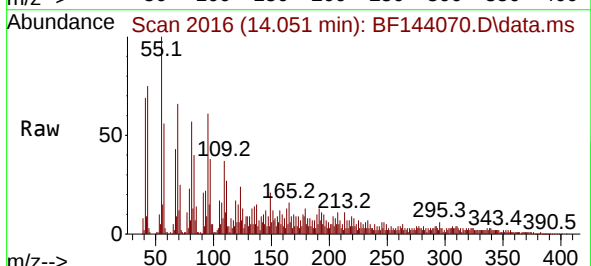
Tgt Ion:149 Resp: 11871

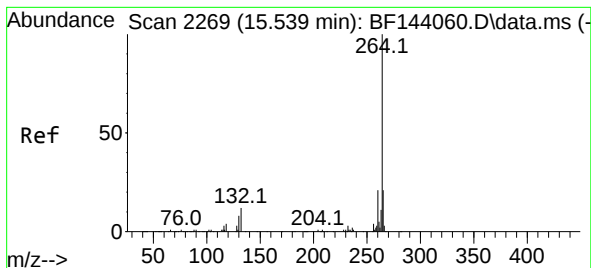
Ion Ratio Lower Upper

149 100

167 43.6 22.5 33.7#

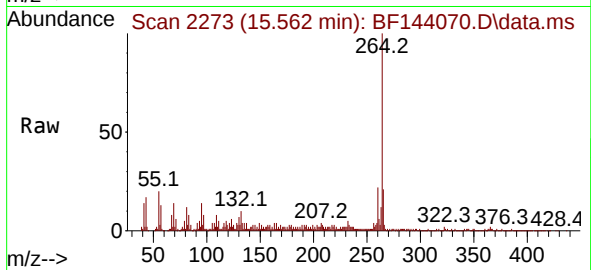
279 16.5 3.6 5.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF144070.D
Acq: 24 Oct 2025 19:46

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 145143

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.0	25.4
265	20.9	16.6	24.8

