

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103025\
 Data File : BF144158.D
 Acq On : 31 Oct 2025 00:08
 Operator : RC/JU
 Sample : Q3488-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0302-0310

Quant Time: Oct 31 01:04:17 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)

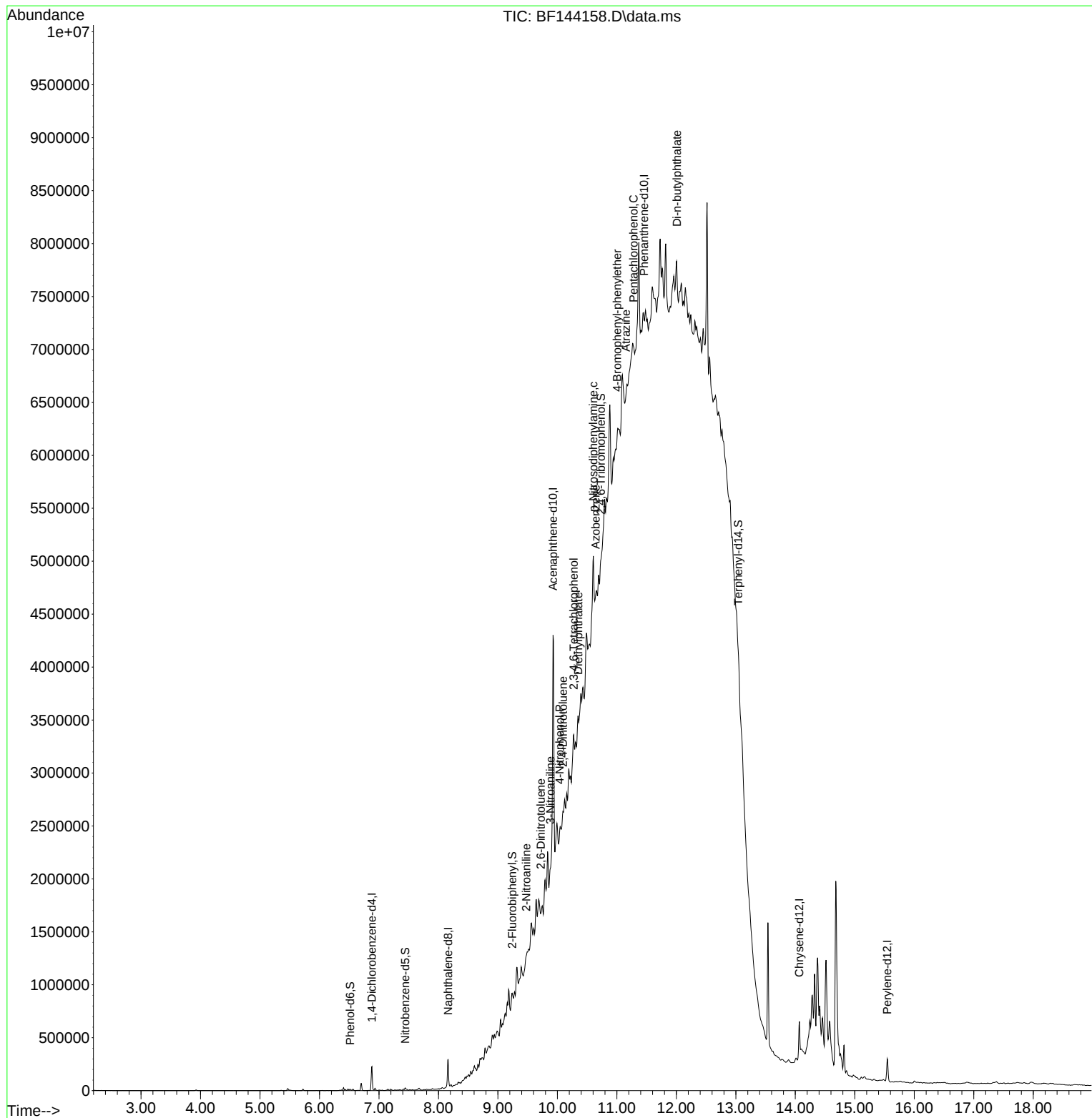
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	50833	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	171060	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	54258	20.000	ng	0.01
64) Phenanthrene-d10	11.457	188	73871	20.000	ng	# 0.05
76) Chrysene-d12	14.068	240	170949	20.000	ng	0.01
86) Perylene-d12	15.545	264	140600	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	3171	0.987	ng	0.02
7) Phenol-d6	6.516	99	10265	2.893	ng	0.01
23) Nitrobenzene-d5	7.439	82	11088	3.551	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	8033	11.623	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	37439	9.710	ng	0.00
79) Terphenyl-d14	13.039	244	46488	4.754	ng	0.04
Target Compounds						
						Qvalue
48) 2-Nitroaniline	9.475	65	3010	3.115	ng	# 73
51) 2,6-Dinitrotoluene	9.722	165	3082	4.384	ng	# 33
53) 3-Nitroaniline	9.880	138	2095	2.680	ng	# 26
56) 4-Nitrophenol	10.039	139	1262	2.384	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	4485	4.726	ng	# 39
59) 2,3,4,6-Tetrachlorophenol	10.275	232	2383	2.658	ng	# 1
60) Diethylphthalate	10.351	149	12363	3.696	ng	# 37
63) Azobenzene	10.645	77	16198	5.117	ng	# 53
66) n-Nitrosodiphenylamine	10.604	169	12376	5.244	ng	# 70
67) 4-Bromophenyl-phenylether	11.004	248	6326	6.840	ng	# 1
69) Atrazine	11.151	200	16645	21.492	ng	# 27
70) Pentachlorophenol	11.280	266	12677	23.479	ng	# 13
74) Di-n-butylphthalate	12.010	149	9322	2.357	ng	# 31

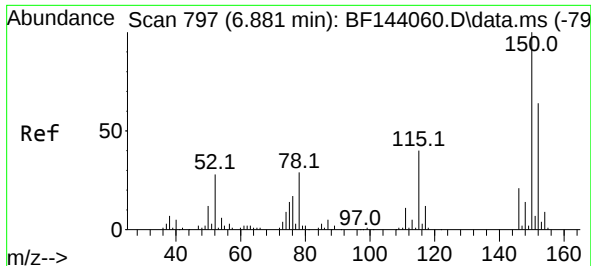
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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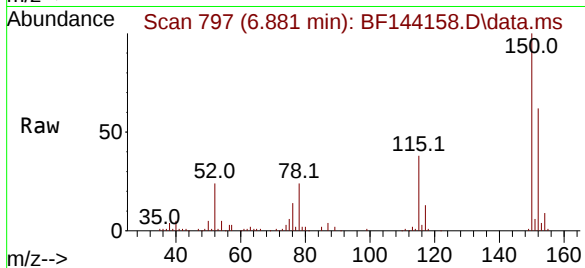
Quant Time: Oct 31 01:04:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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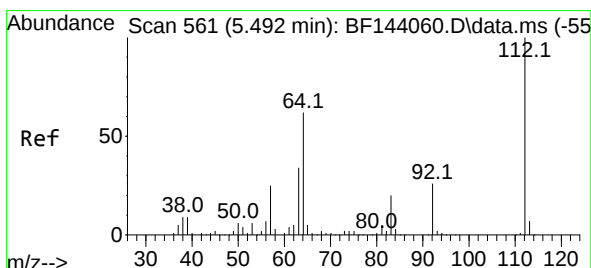
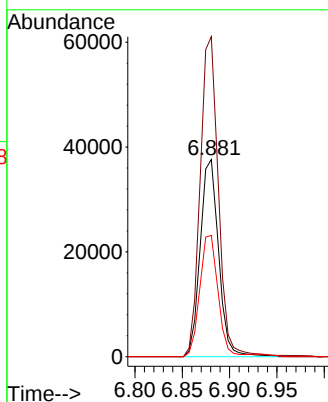
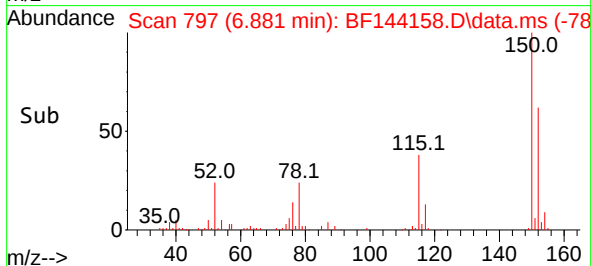


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

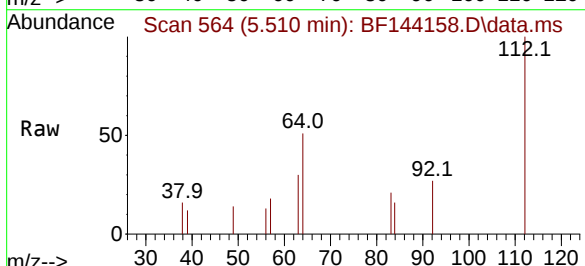
Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310



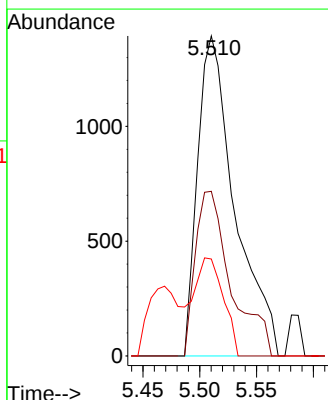
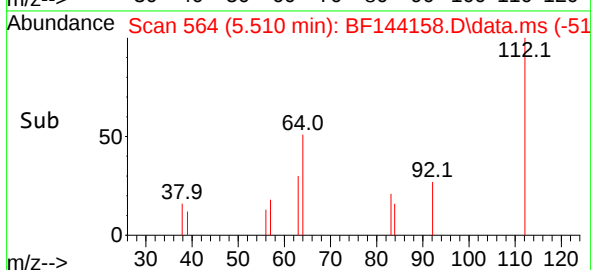
Tgt Ion:152 Resp: 50833
Ion Ratio Lower Upper
152 100
150 162.3 124.4 186.6
115 61.5 49.4 74.0



#5
2-Fluorophenol
Concen: 0.987 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08



Tgt Ion:112 Resp: 3171
Ion Ratio Lower Upper
112 100
64 51.4 49.8 74.8
63 30.3 27.4 41.2

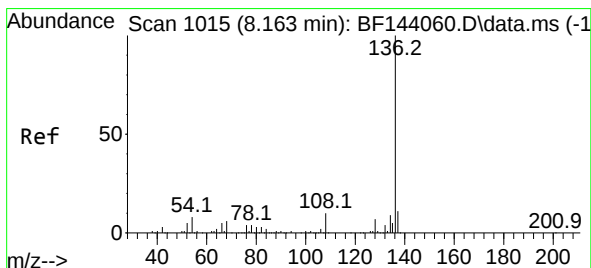
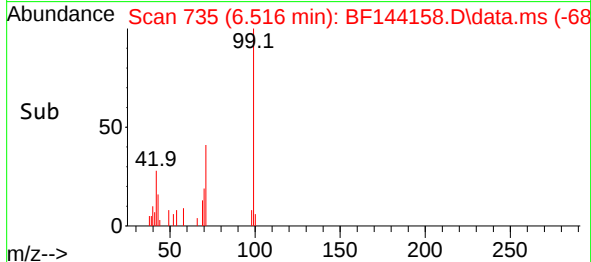
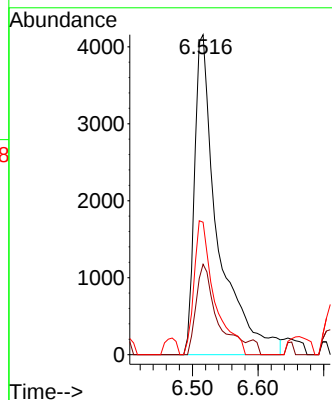
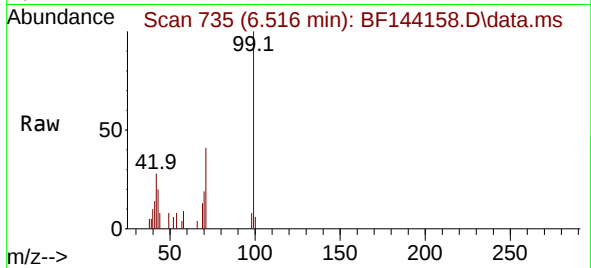




#7
Phenol-d6
Concen: 2.893 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

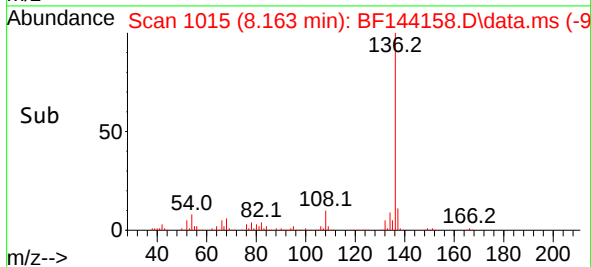
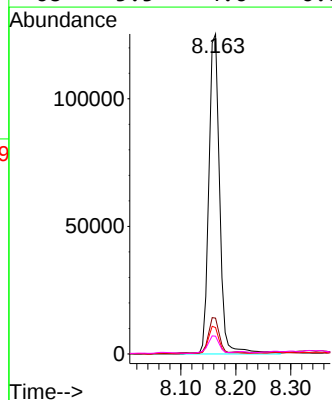
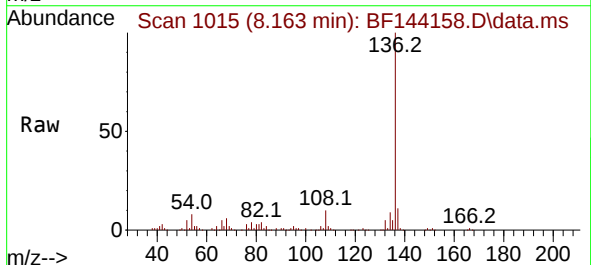
Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310

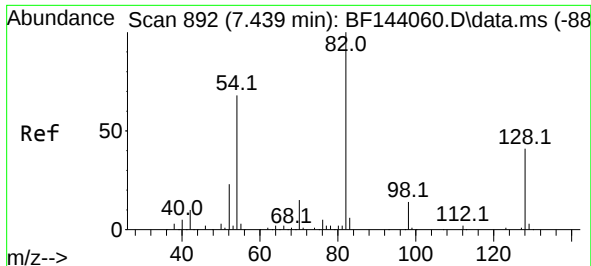
Tgt Ion: 99 Resp: 10265
Ion Ratio Lower Upper
99 100
42 28.3 23.9 35.9
71 41.4 34.4 51.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion: 136 Resp: 171060
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.3 6.6 9.8
68 5.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 3.551 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

Instrument :

BNA_F

ClientSampleId :

MOO-25-0302-0310

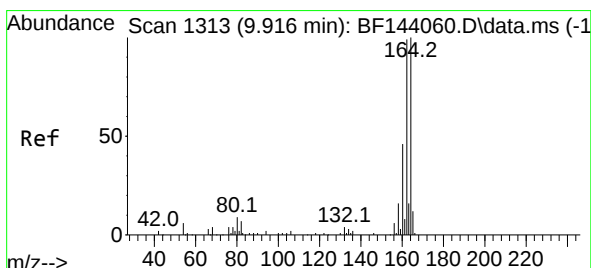
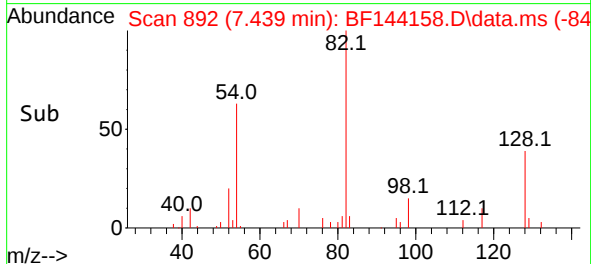
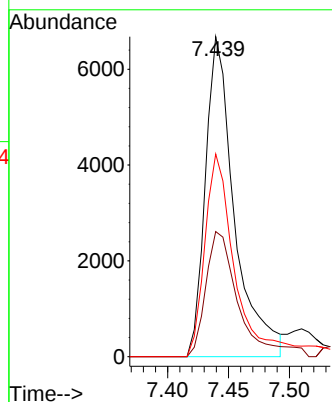
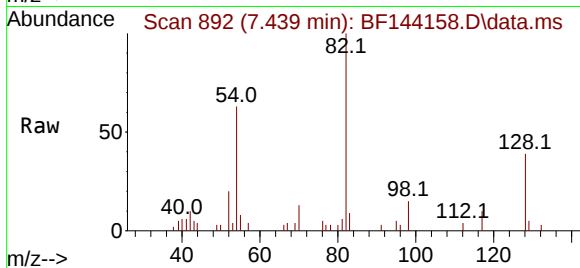
Tgt Ion: 82 Resp: 11088

Ion Ratio Lower Upper

82 100

128 39.1 32.4 48.6

54 63.4 54.0 81.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.012 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

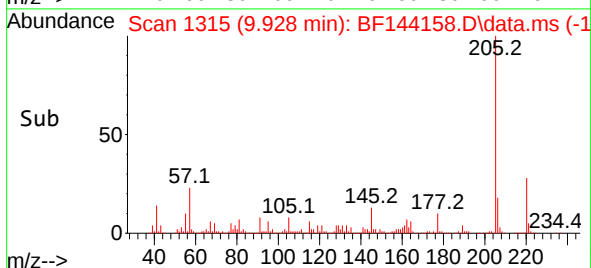
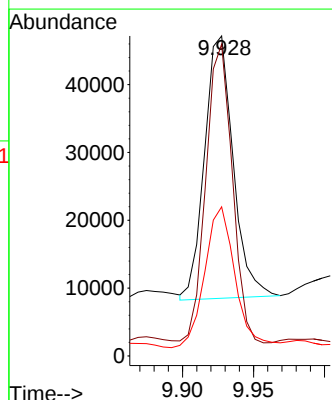
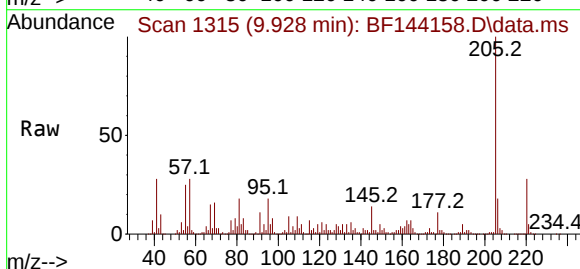
Tgt Ion:164 Resp: 54258

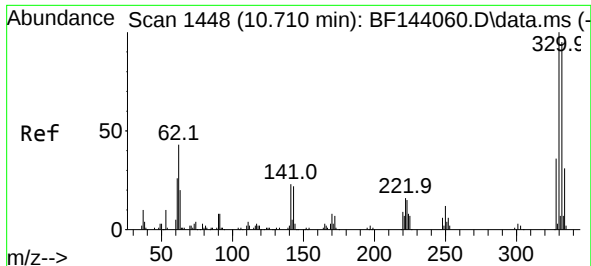
Ion Ratio Lower Upper

164 100

162 97.4 79.4 119.2

160 46.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 11.623 ng

RT: 10.733 min Scan# 1448

Delta R.T. 0.024 min

Lab File: BF144158.D

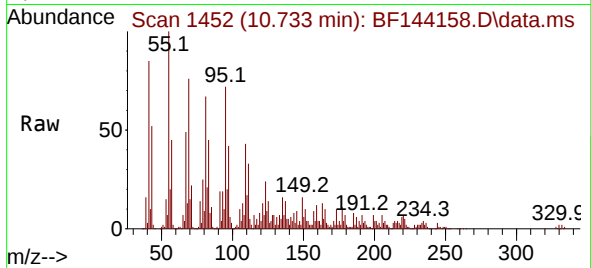
Acq: 31 Oct 2025 00:08

Instrument :

BNA_F

ClientSampleId :

MOO-25-0302-0310



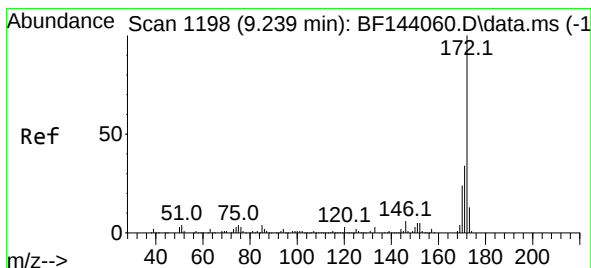
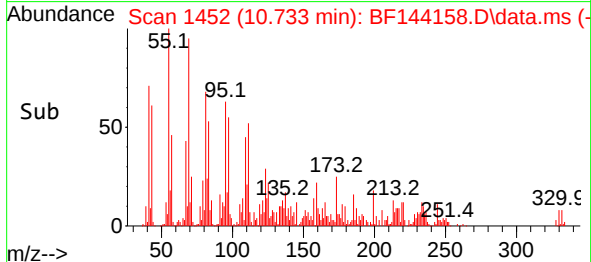
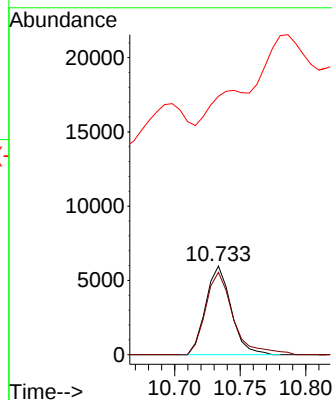
Tgt Ion:330 Resp: 8033

Ion Ratio Lower Upper

330 100

332 100.8 77.0 115.6

141 57.4 19.4 29.0#



#45

2-Fluorobiphenyl

Concen: 9.710 ng

RT: 9.239 min Scan# 1198

Delta R.T. 0.000 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

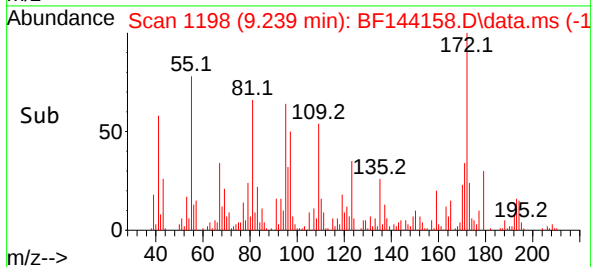
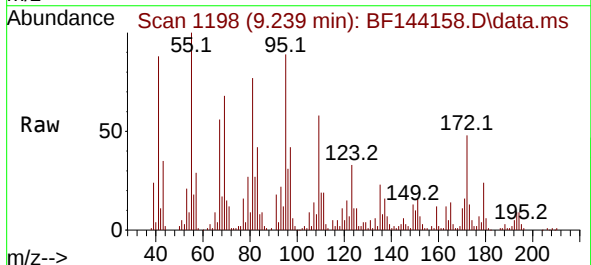
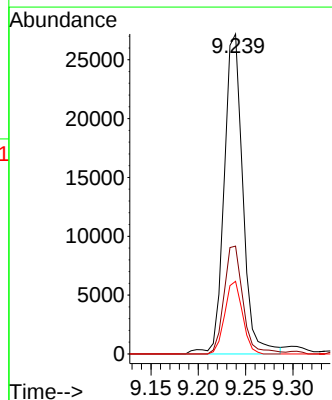
Tgt Ion:172 Resp: 37439

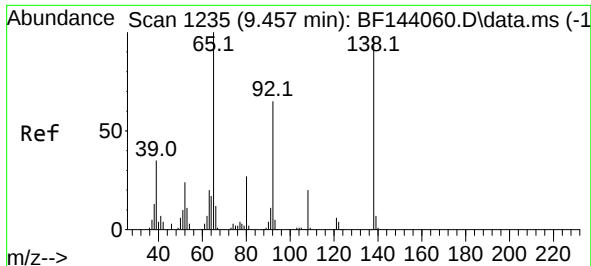
Ion Ratio Lower Upper

172 100

171 33.7 27.5 41.3

170 22.7 19.0 28.6

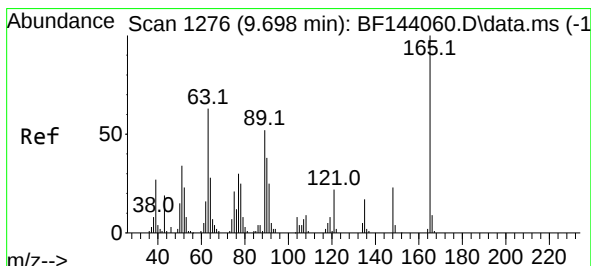
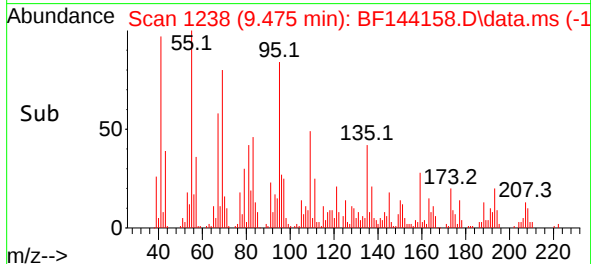
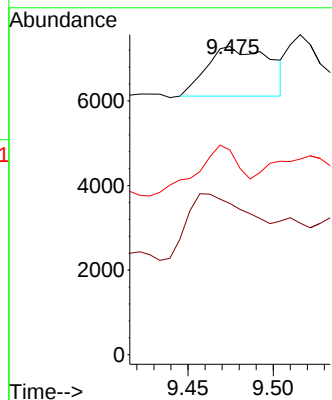
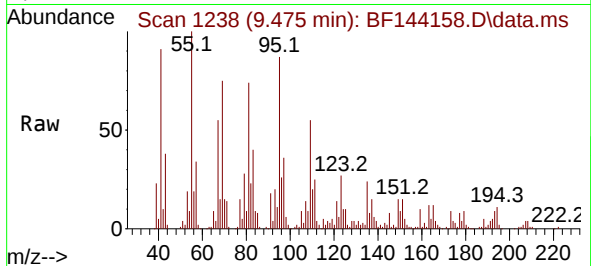




#48
2-Nitroaniline
Concen: 3.115 ng
RT: 9.475 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

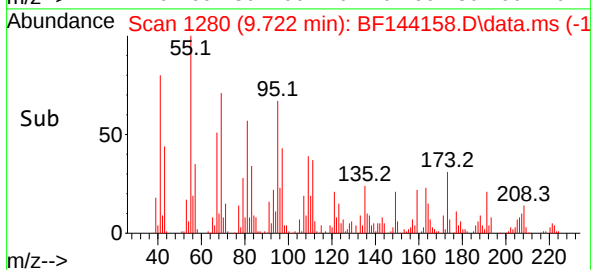
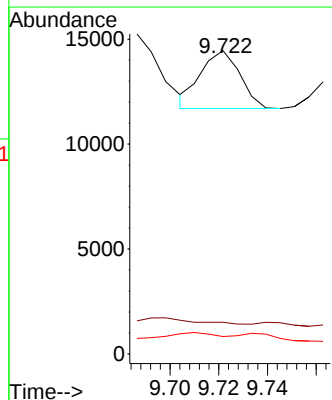
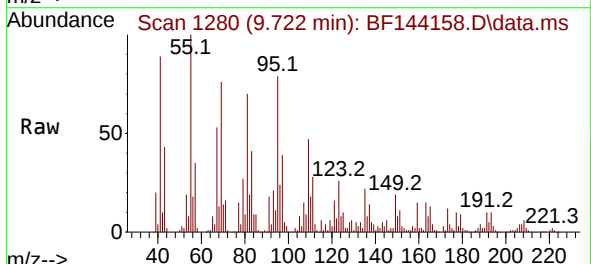
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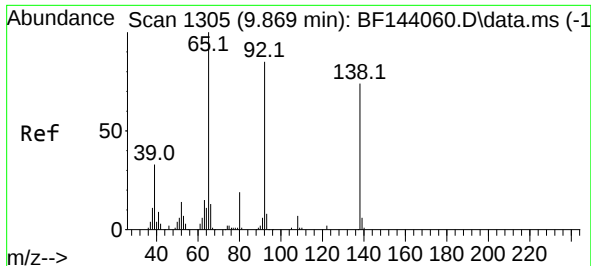
Tgt Ion: 65 Resp: 3010
Ion Ratio Lower Upper
65 100
92 49.0 52.3 78.5#
138 66.4 78.3 117.5#



#51
2,6-Dinitrotoluene
Concen: 4.384 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.024 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion:165 Resp: 3082
Ion Ratio Lower Upper
165 100
63 10.5 50.4 75.6#
89 5.8 41.4 62.2#

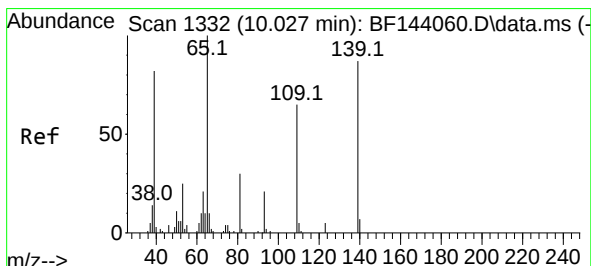
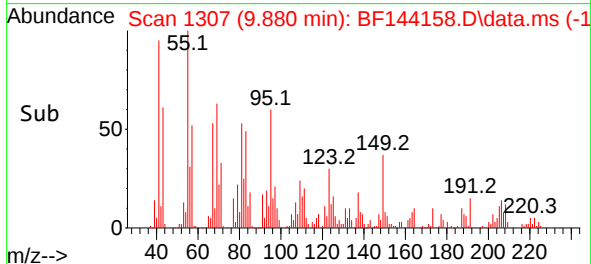
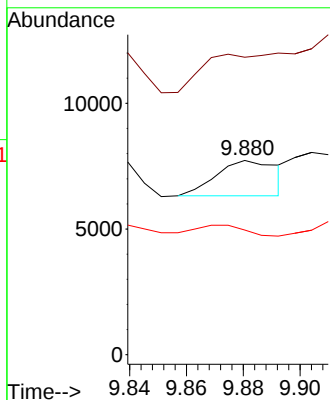
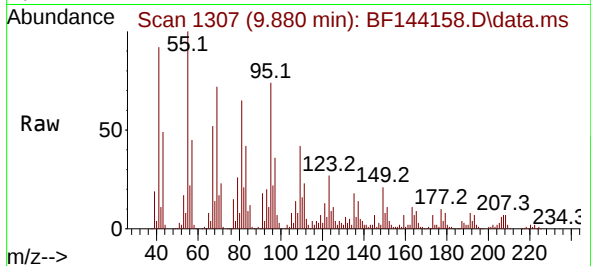




#53
3-Nitroaniline
Concen: 2.680 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

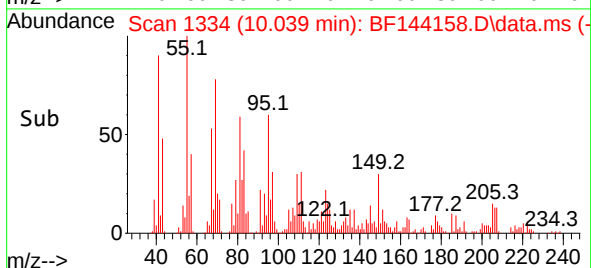
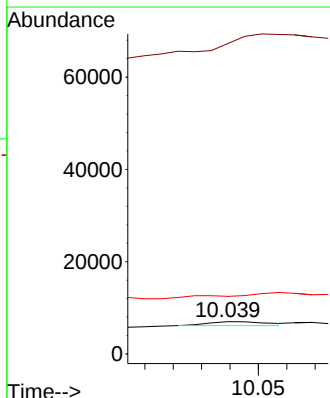
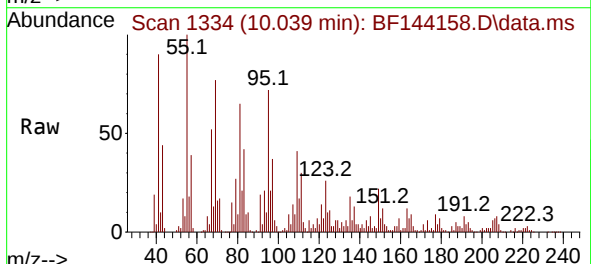
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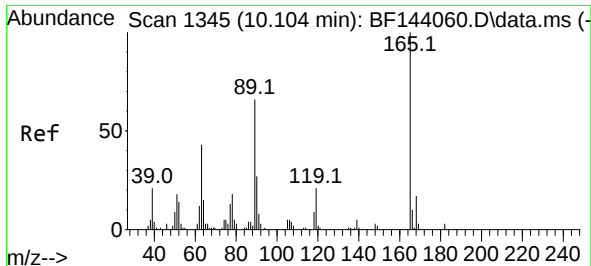
Tgt Ion:138 Resp: 2095
Ion Ratio Lower Upper
138 100
108 153.1 7.9 11.9#
92 64.1 92.0 138.0#



#56
4-Nitrophenol
Concen: 2.384 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.012 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion:139 Resp: 1262
Ion Ratio Lower Upper
139 100
109 960.9 53.8 93.8#
65 178.2 95.9 135.9#

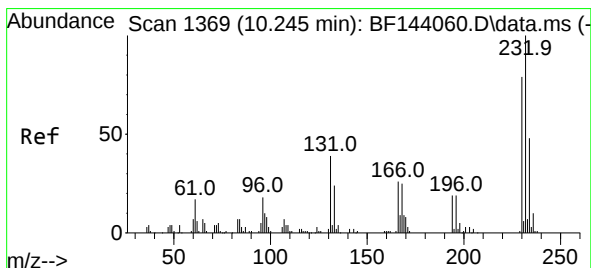
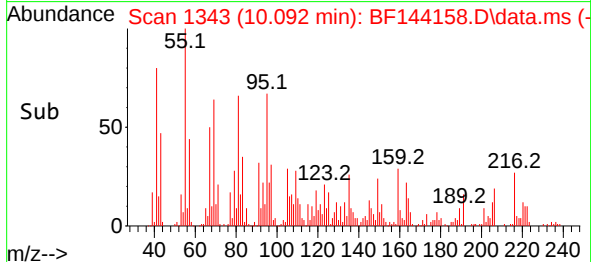
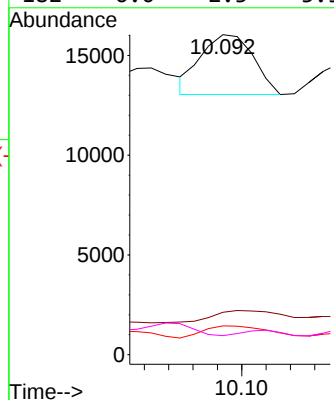
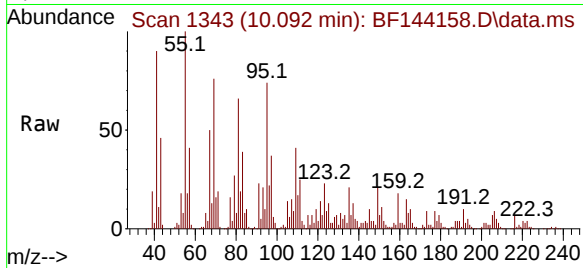




#57
2,4-Dinitrotoluene
Concen: 4.726 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

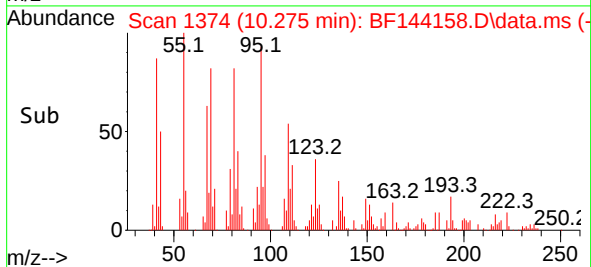
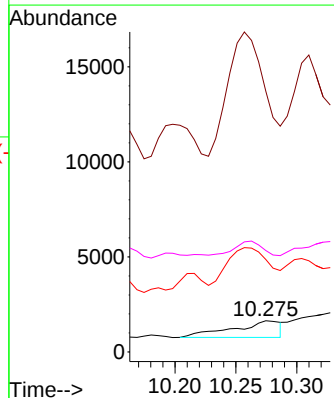
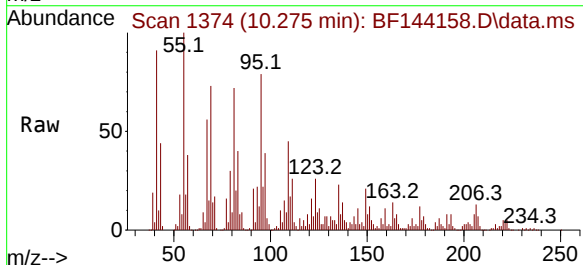
Instrument :
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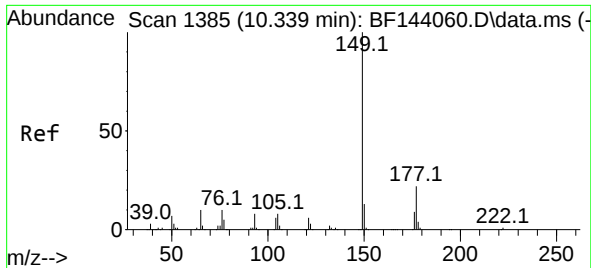
Tgt Ion:165 Resp: 4485
Ion Ratio Lower Upper
165 100
63 13.2 35.4 53.2#
89 9.0 52.7 79.1#
182 6.0 2.3 3.5#



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.658 ng
RT: 10.275 min Scan# 1374
Delta R.T. 0.029 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion:232 Resp: 2383
Ion Ratio Lower Upper
232 100
131 570.5 31.9 47.9#
130 194.0 1.1 1.7#
166 44.9 21.0 31.4#

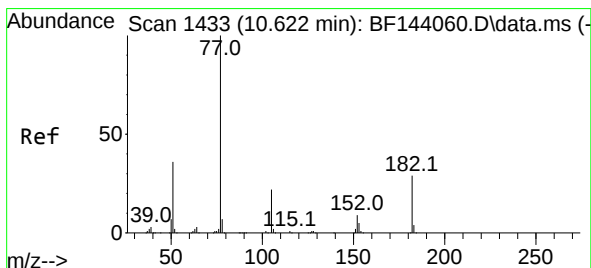
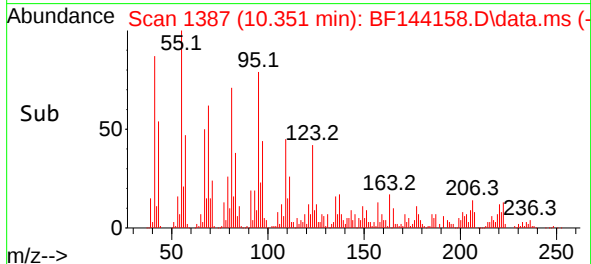
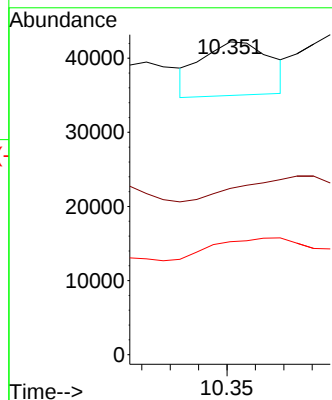
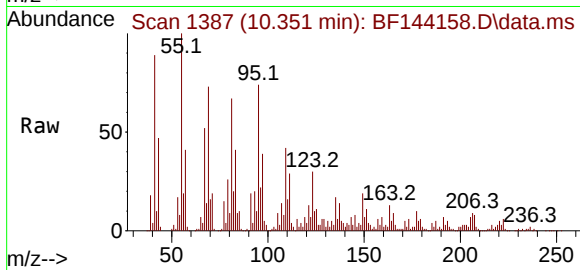




#60
Diethylphthalate
Concen: 3.696 ng
RT: 10.351 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

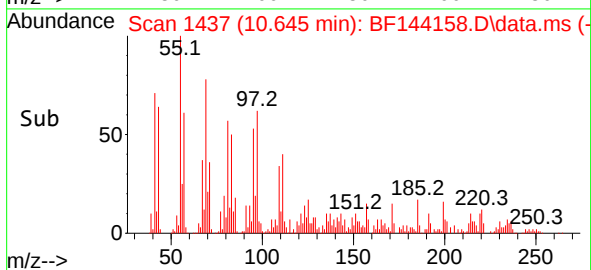
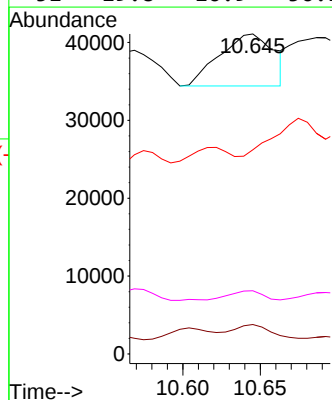
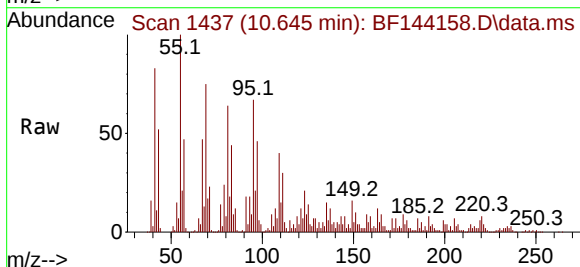
Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310

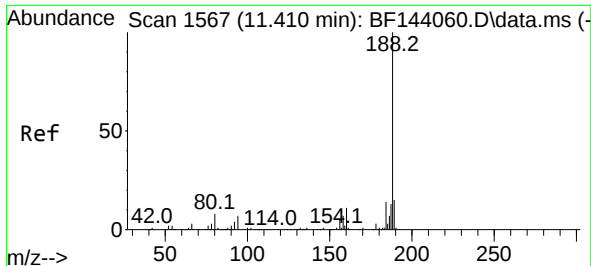
Tgt Ion:149 Resp: 12363
Ion Ratio Lower Upper
149 100
177 53.1 17.8 26.6#
150 36.1 10.1 15.1#



#63
Azobenzene
Concen: 5.117 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.024 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion: 77 Resp: 16198
Ion Ratio Lower Upper
77 100
182 9.2 9.0 49.0
105 63.8 1.4 41.4#
51 19.8 16.9 56.9

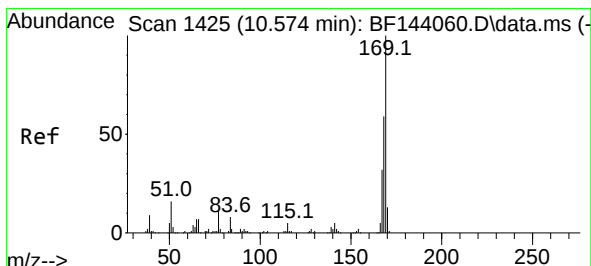
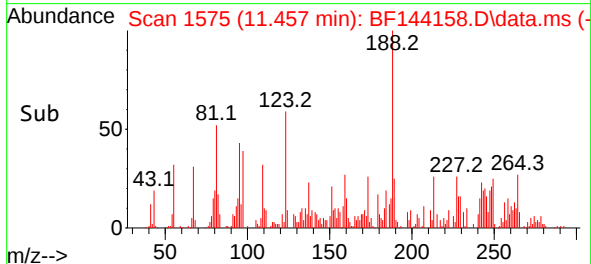
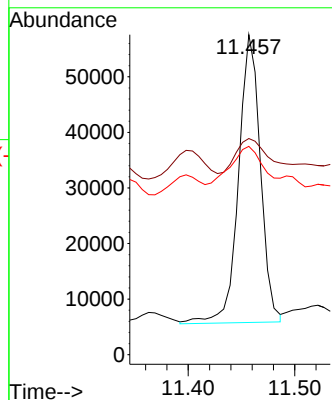
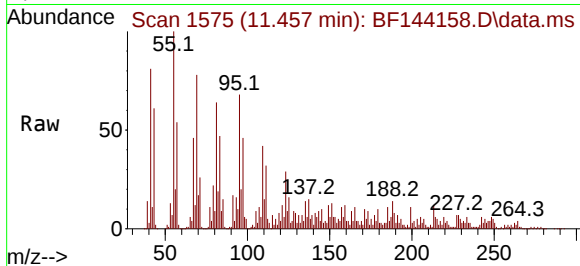




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

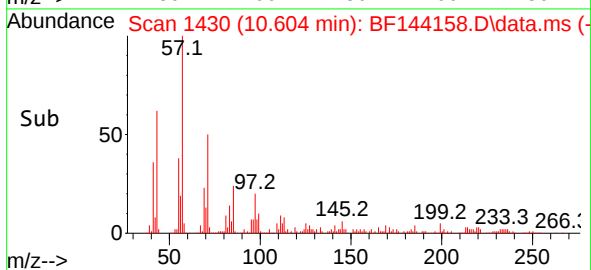
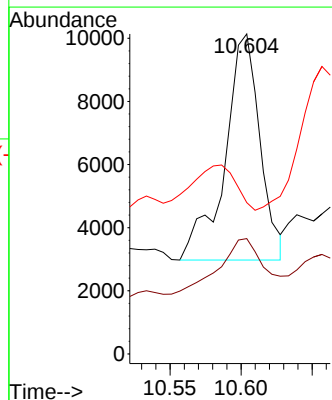
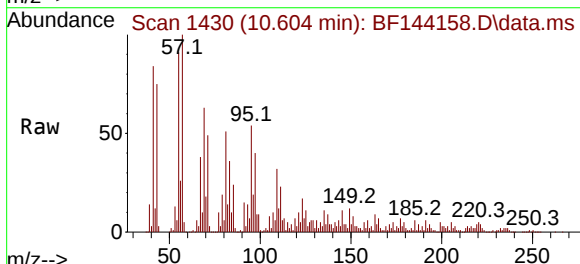
Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310

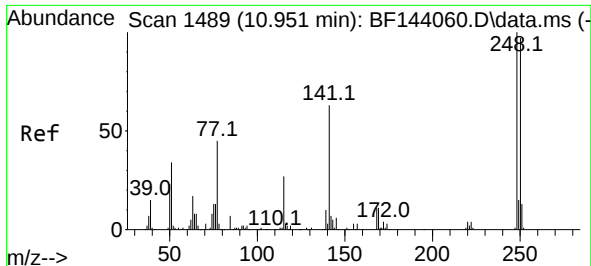
Tgt Ion:188 Resp: 73871
Ion Ratio Lower Upper
188 100
94 67.5 5.4 8.0#
80 65.1 6.0 9.0#



#66
n-Nitrosodiphenylamine
Concen: 5.244 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.029 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion:169 Resp: 12376
Ion Ratio Lower Upper
169 100
168 36.1 47.4 71.2#
167 47.3 25.5 38.3#

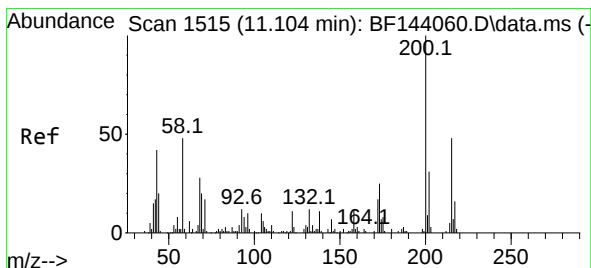
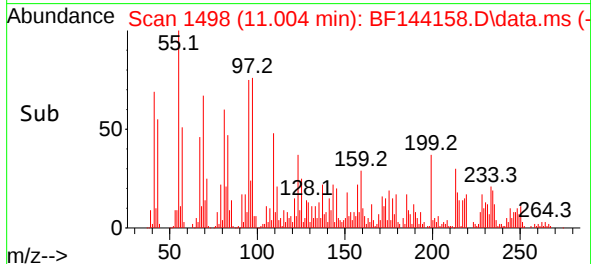
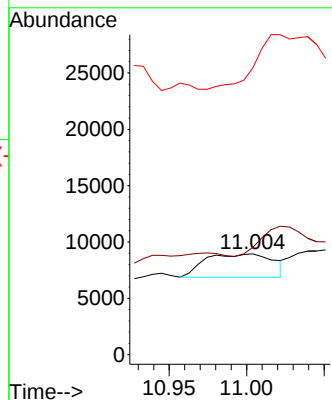
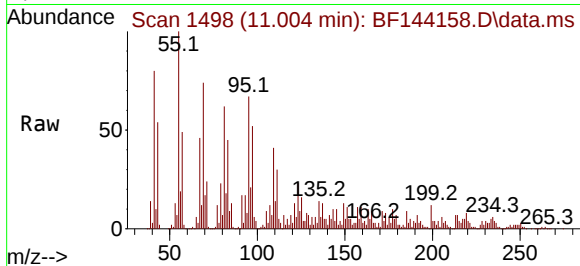




#67
4-Bromophenyl-phenylether
Concen: 6.840 ng
RT: 11.004 min Scan# 1489
Delta R.T. 0.053 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

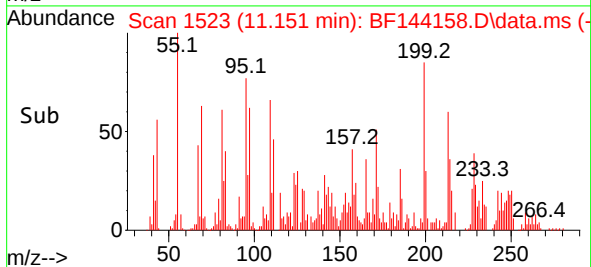
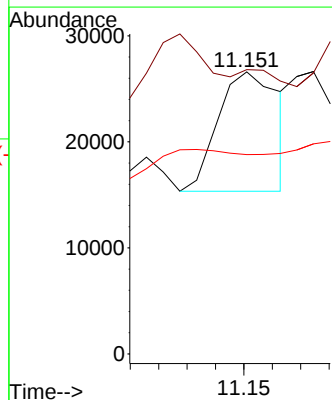
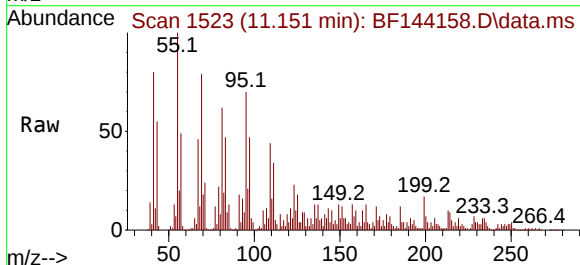
Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310

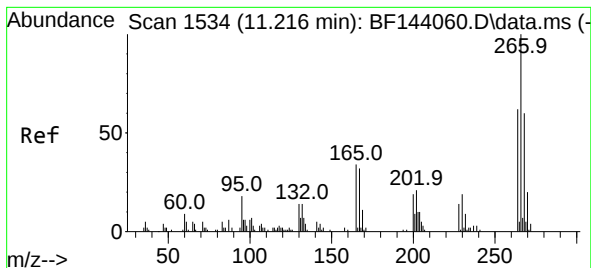
Tgt Ion:248 Resp: 6326
Ion Ratio Lower Upper
248 100
250 106.5 77.8 116.6
141 284.4 50.5 75.7#



#69
Atrazine
Concen: 21.492 ng
RT: 11.151 min Scan# 1523
Delta R.T. 0.047 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Tgt Ion:200 Resp: 16645
Ion Ratio Lower Upper
200 100
173 100.8 4.9 44.9#
215 70.7 28.2 68.2#





#70

Pentachlorophenol

Concen: 23.479 ng

RT: 11.280 min Scan# 1

Delta R.T. 0.065 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

Instrument :

BNA_F

ClientSampleId :

MOO-25-0302-0310

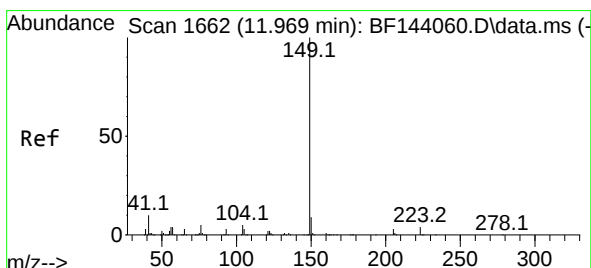
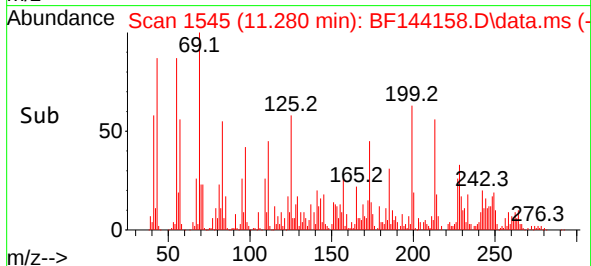
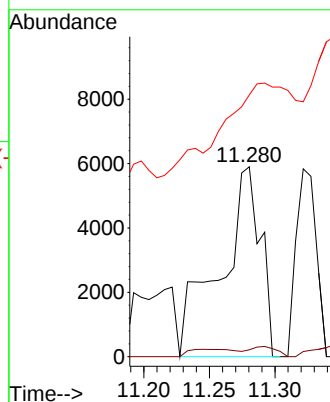
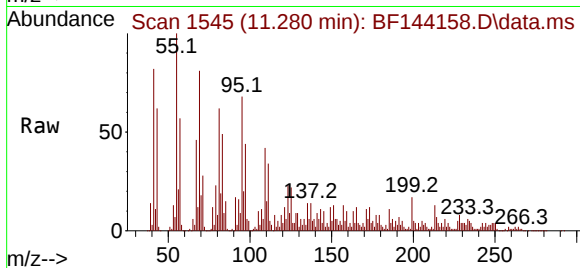
Tgt Ion:266 Resp: 12677

Ion Ratio Lower Upper

266 100

268 3.6 48.2 72.4#

264 137.8 49.4 74.0#



#74

Di-n-butylphthalate

Concen: 2.357 ng

RT: 12.010 min Scan# 1669

Delta R.T. 0.041 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

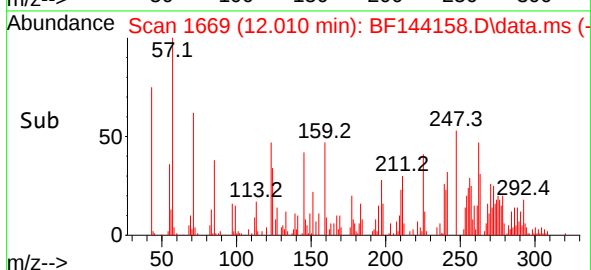
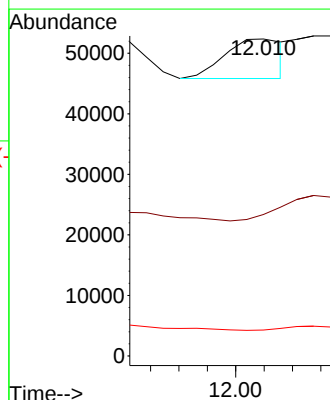
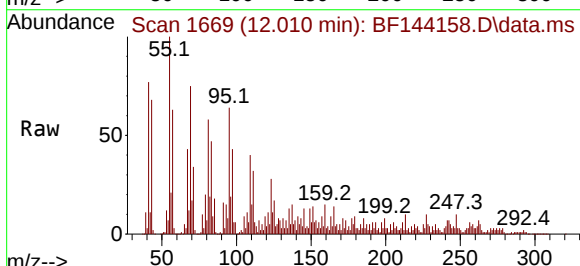
Tgt Ion:149 Resp: 9322

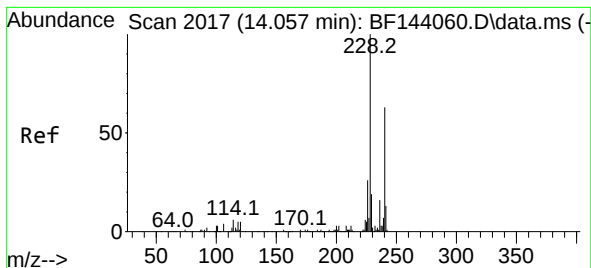
Ion Ratio Lower Upper

149 100

150 44.6 7.3 10.9#

104 8.2 3.6 5.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2017

Delta R.T. 0.012 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

Instrument :

BNA_F

ClientSampleId :

MOO-25-0302-0310

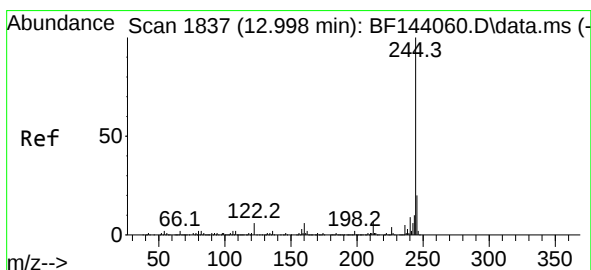
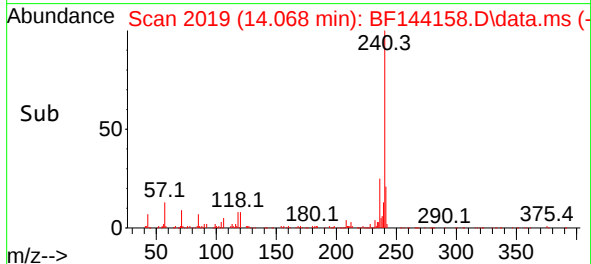
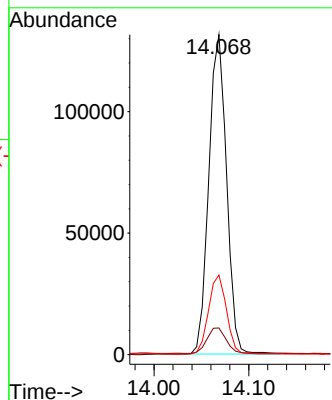
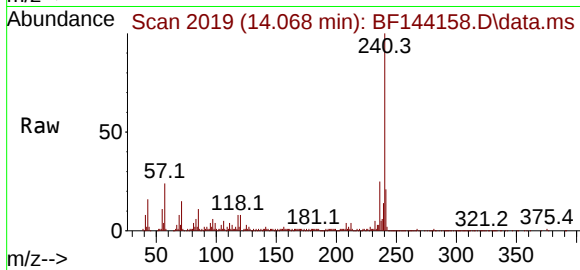
Tgt Ion:240 Resp: 170949

Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 24.9 20.1 30.1



#79

Terphenyl-d14

Concen: 4.754 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.041 min

Lab File: BF144158.D

Acq: 31 Oct 2025 00:08

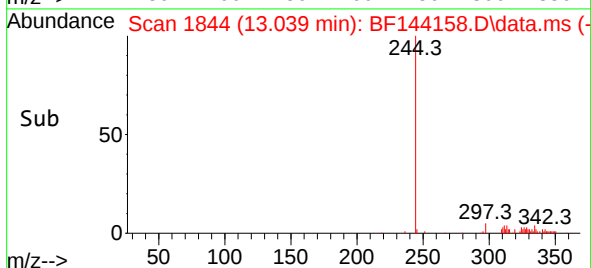
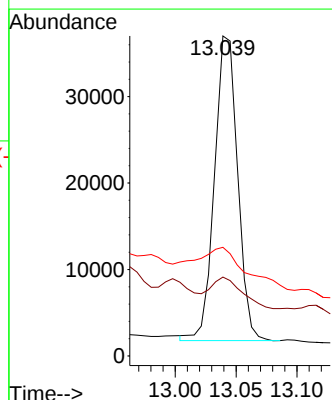
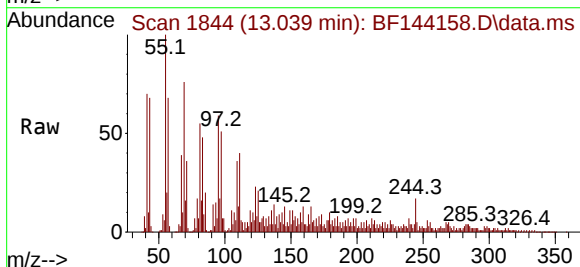
Tgt Ion:244 Resp: 46488

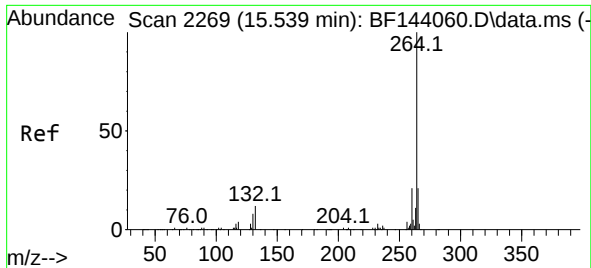
Ion Ratio Lower Upper

244 100

212 24.7 5.8 8.6#

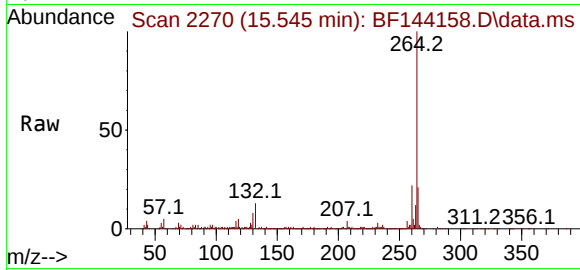
122 34.0 4.9 7.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144158.D
Acq: 31 Oct 2025 00:08

Instrument :
BNA_F
ClientSampleId :
MOO-25-0302-0310



Tgt Ion:264 Resp: 140600

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.0	25.4
265	21.1	16.6	24.8

