

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140010.D
 Acq On : 24 Oct 2024 19:39
 Operator : RC/JU
 Sample : P4460-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-BOT

Quant Time: Oct 25 01:08:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

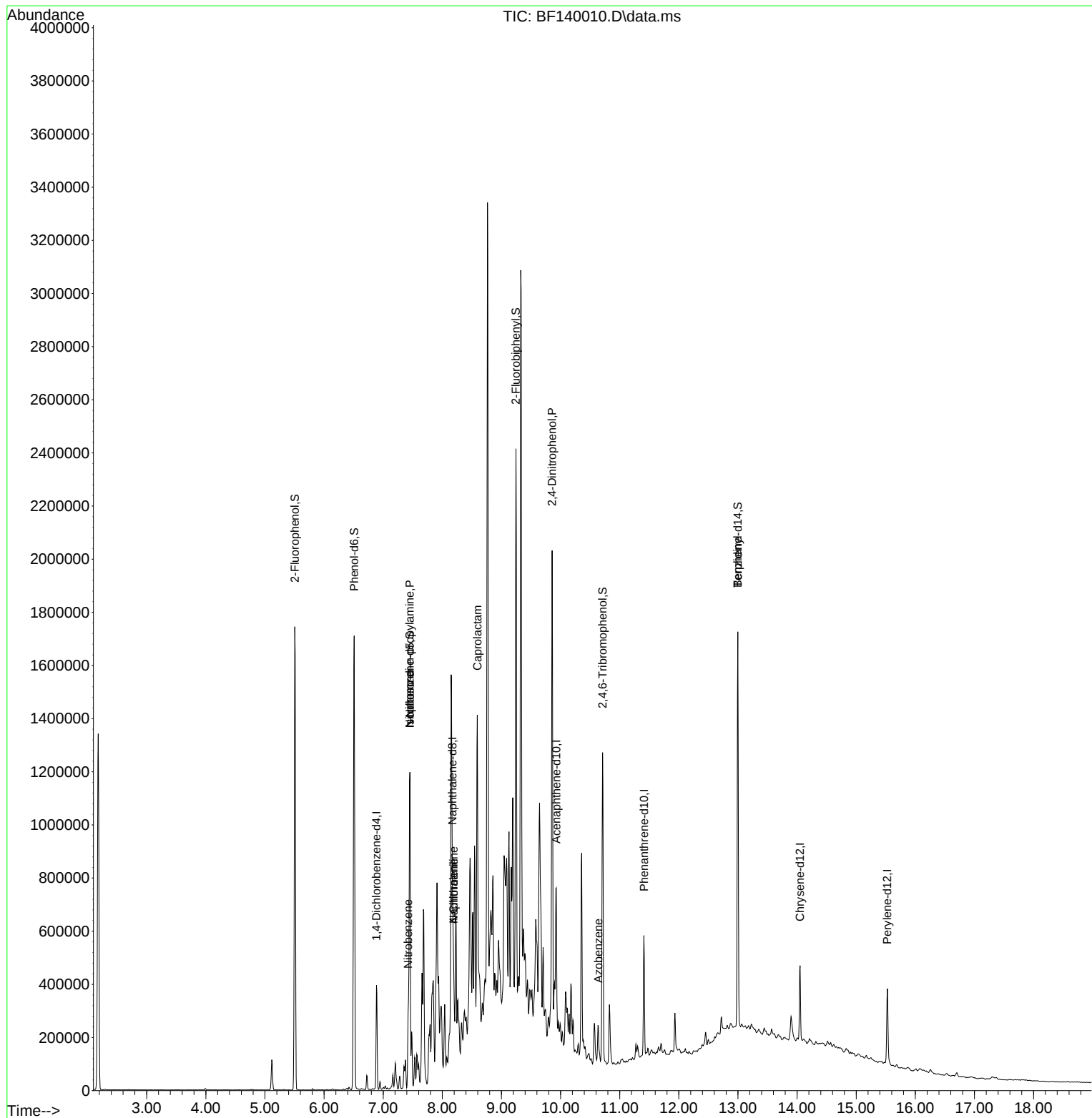
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	78574	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	279066	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	146853	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	235672	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138066	20.000	ng	0.00
86) Perylene-d12	15.527	264	174243	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	650354	129.575	ng	0.00
7) Phenol-d6	6.510	99	828001	127.373	ng	0.00
23) Nitrobenzene-d5	7.451	82	539002	107.048	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	199156	144.987	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	919888	103.525	ng	0.00
79) Terphenyl-d14	12.998	244	725023	85.569	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	76581	19.424	ng	# 76
24) Nitrobenzene	7.422	77	13145	2.381	ng	# 18
25) Isophorone	7.451	82	534678	55.948	ng	# 67
31) Naphthalene	8.192	128	72251	5.020	ng	# 96
33) 4-Chloroaniline	8.192	127	11233	2.289	ng	# 20
35) Caprolactam	8.592	113	26188	20.822	ng	# 1
54) 2,4-Dinitrophenol	9.857	184	213	6.766	ng	# 1
63) Azobenzene	10.639	77	32857	3.451	ng	# 1
77) Benzidine	12.998	184	10465	4.610	ng	# 87

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

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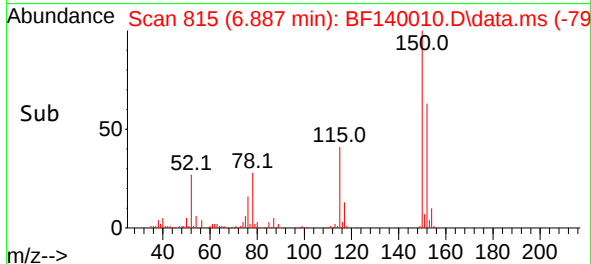
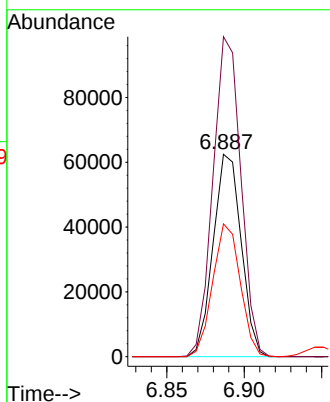
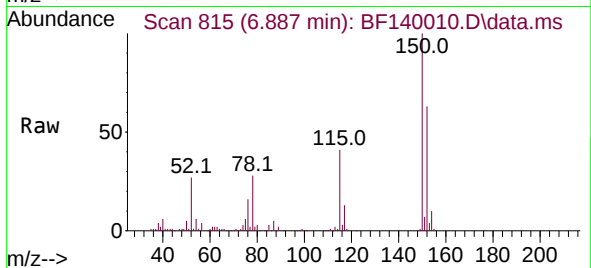




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

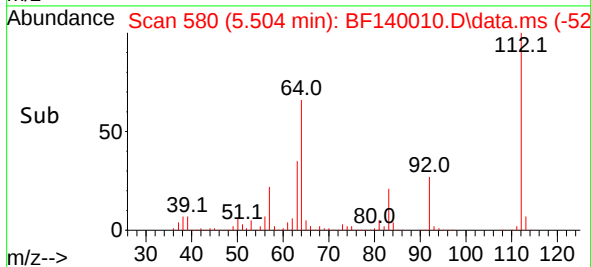
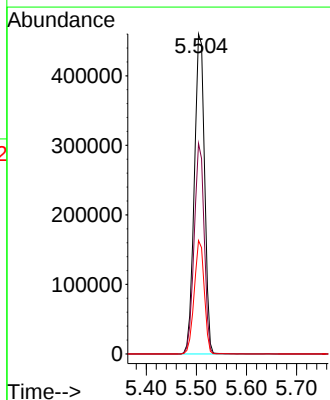
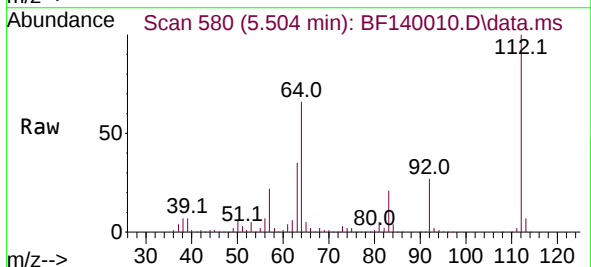
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

Tgt Ion:152 Resp: 78574
Ion Ratio Lower Upper
152 100
150 158.1 130.2 195.2
115 65.6 51.4 77.2



#5
2-Fluorophenol
Concen: 129.575 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion:112 Resp: 650354
Ion Ratio Lower Upper
112 100
64 65.8 53.0 79.6
63 35.4 27.0 40.4

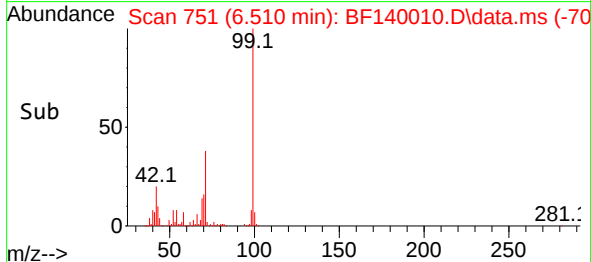
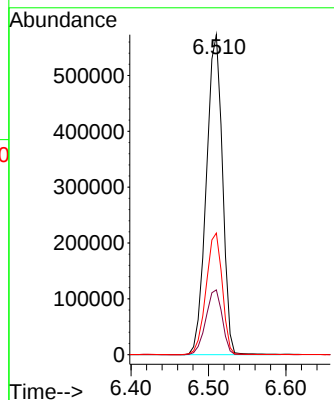
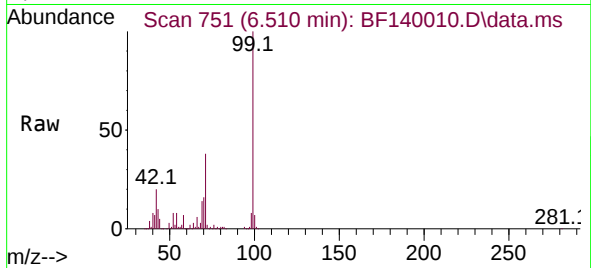




#7
Phenol-d6
Concen: 127.373 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

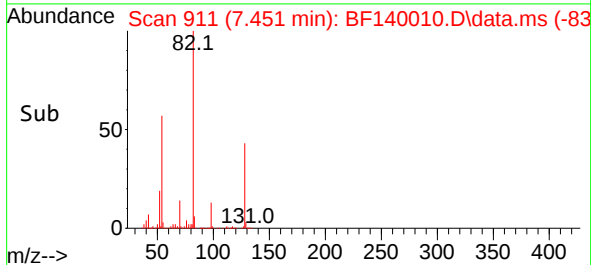
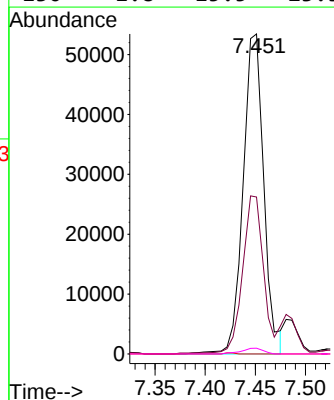
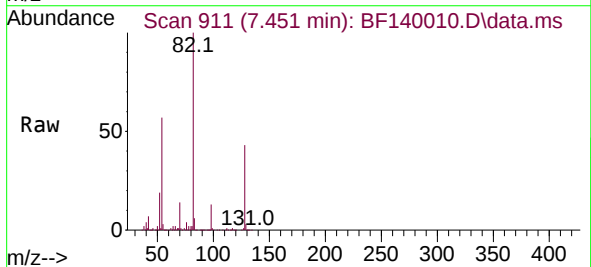
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ClientSampleId :
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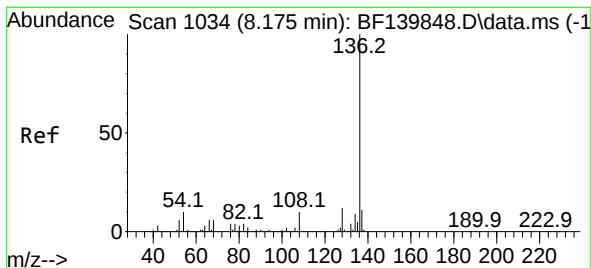
Tgt Ion: 99 Resp: 828001
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 38.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 19.424 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion: 70 Resp: 76581
Ion Ratio Lower Upper
70 100
42 49.1 51.5 77.3#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140010.D

Acq: 24 Oct 2024 19:39

Instrument :

BNA_F

ClientSampleId :

WB-303-BOT

Tgt Ion:136 Resp: 279066

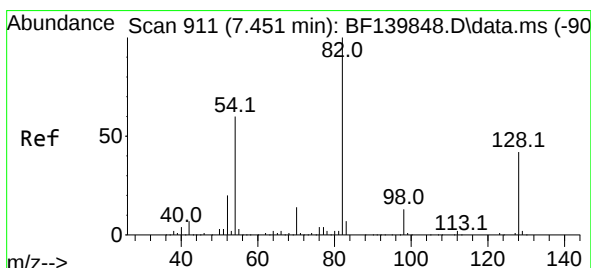
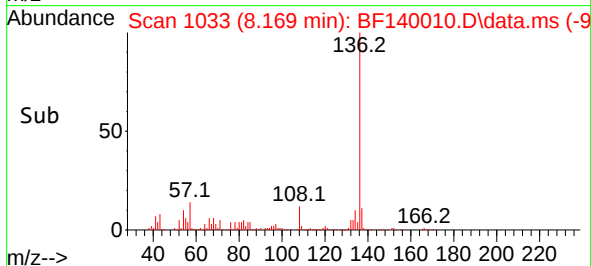
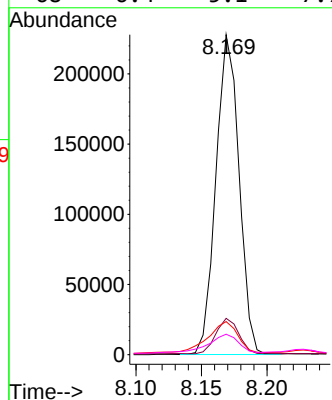
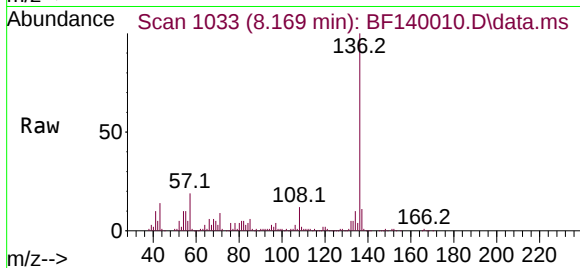
Ion Ratio Lower Upper

136 100

137 11.4 8.6 12.8

54 10.3 8.4 12.6

68 6.4 5.1 7.7



#23

Nitrobenzene-d5

Concen: 107.048 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140010.D

Acq: 24 Oct 2024 19:39

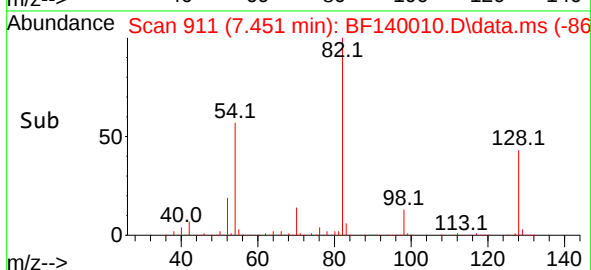
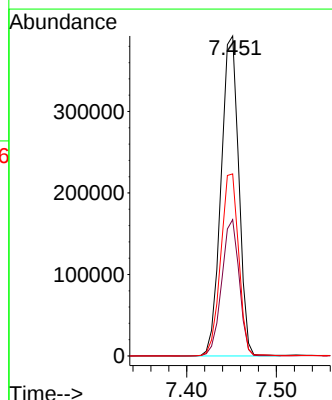
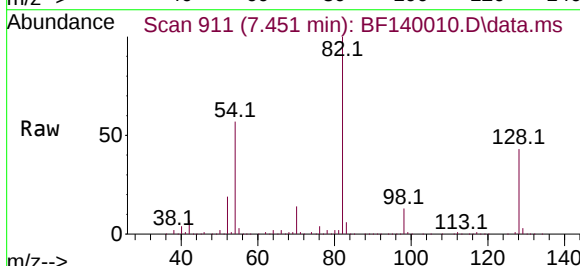
Tgt Ion: 82 Resp: 539002

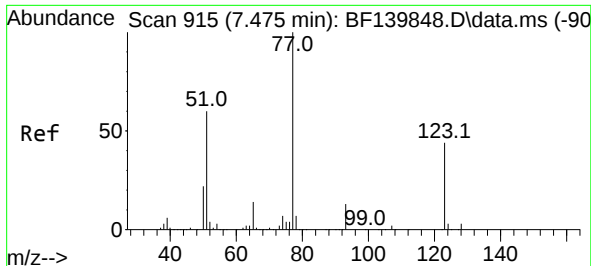
Ion Ratio Lower Upper

82 100

128 42.6 33.4 50.0

54 56.9 47.8 71.8

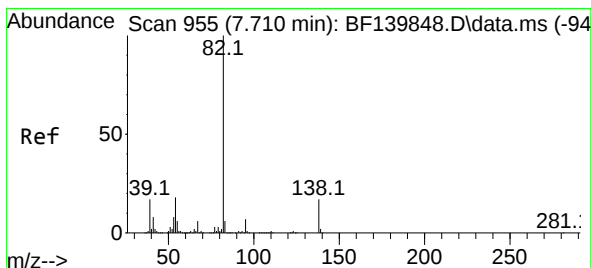
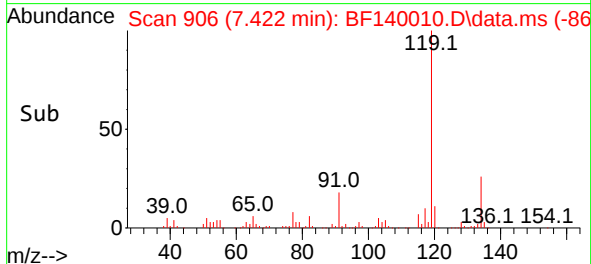
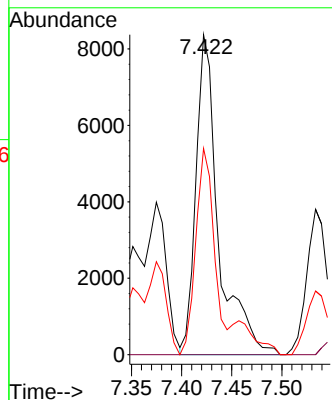
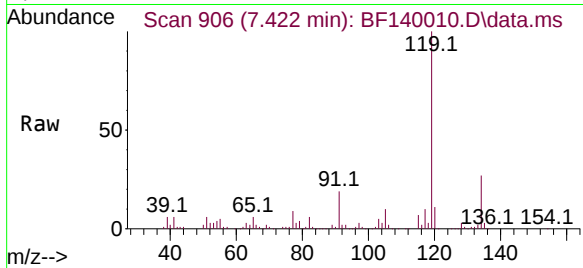




#24
Nitrobenzene
Concen: 2.381 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.053 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

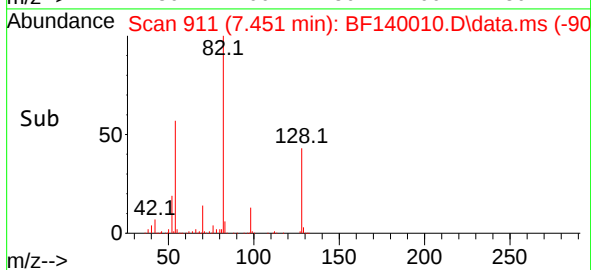
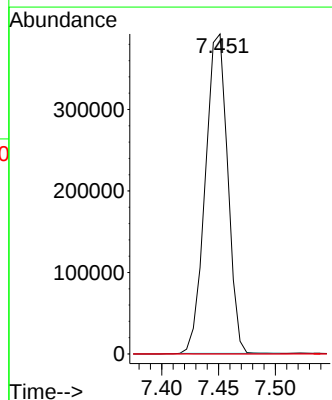
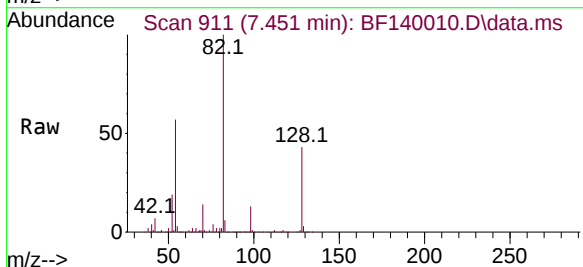
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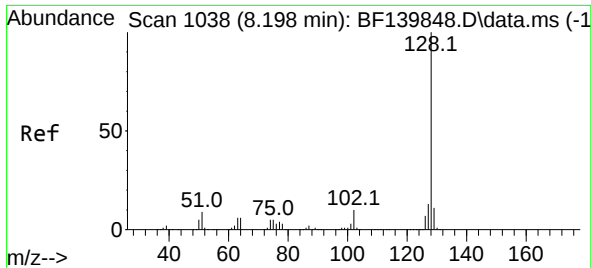
Tgt Ion: 77 Resp: 13145
Ion Ratio Lower Upper
77 100
123 0.0 35.7 53.5#
65 64.4 11.5 17.3#



#25
Isophorone
Concen: 55.948 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion: 82 Resp: 534678
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#

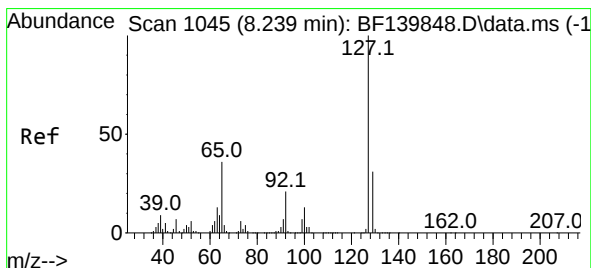
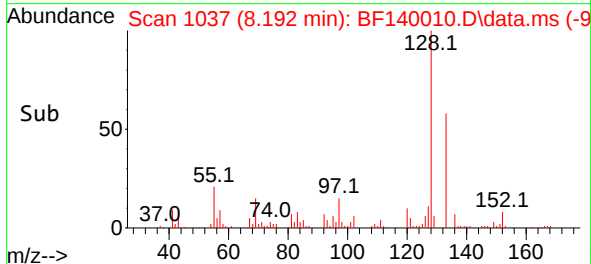
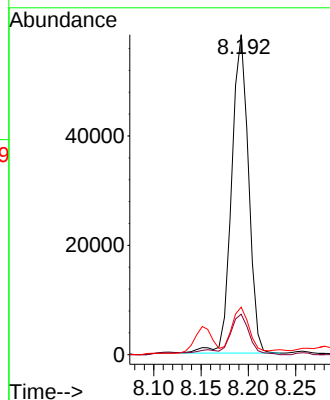
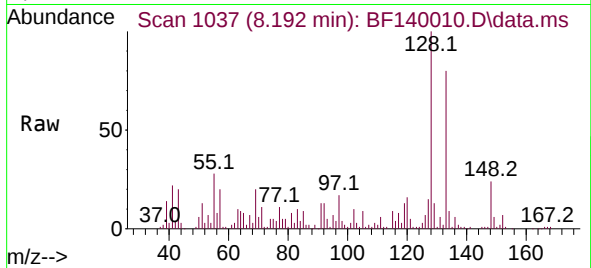




#31
Naphthalene
Concen: 5.020 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

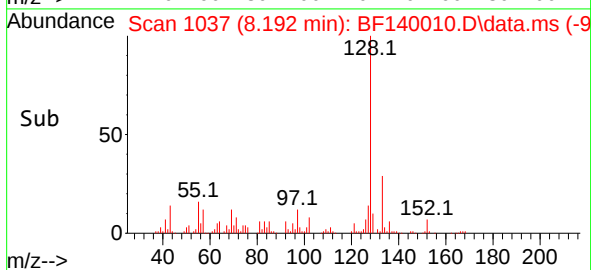
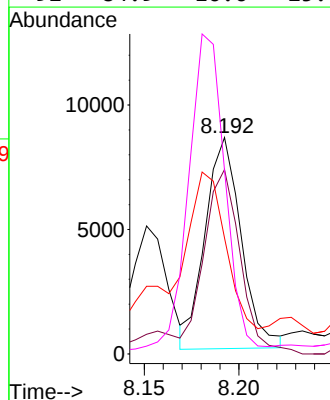
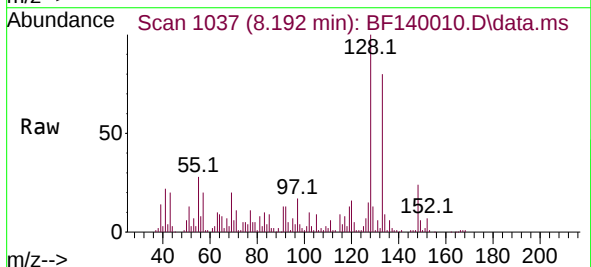
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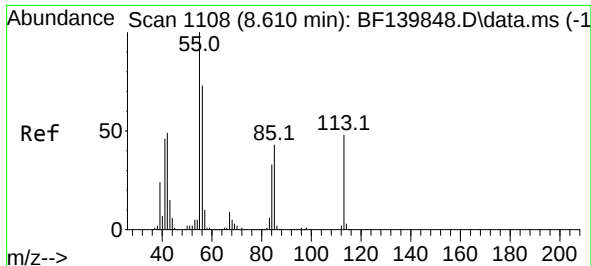
Tgt Ion:128 Resp: 72251
Ion Ratio Lower Upper
128 100
129 12.7 8.9 13.3
127 14.9 10.6 16.0



#33
4-Chloroaniline
Concen: 2.289 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.047 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion:127 Resp: 11233
Ion Ratio Lower Upper
127 100
129 85.2 25.4 38.2#
65 53.6 28.4 42.6#
92 84.9 16.6 25.0#

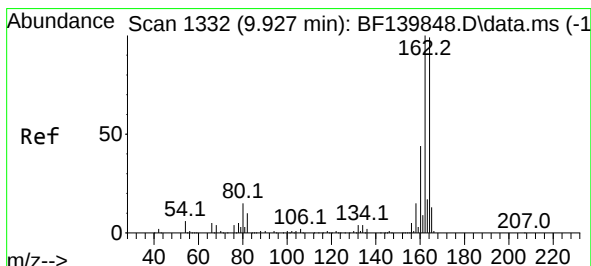
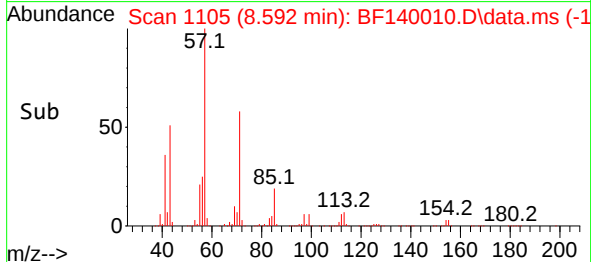
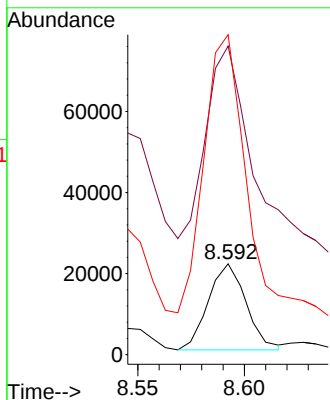
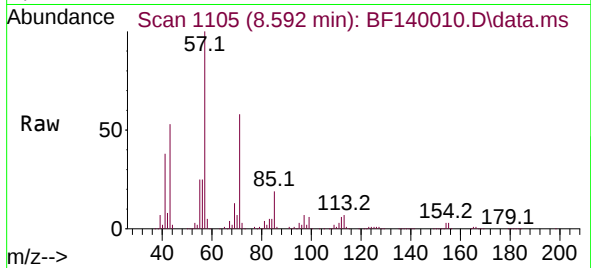




#35
 Caprolactam
 Concen: 20.822 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. -0.018 min
 Lab File: BF140010.D
 Acq: 24 Oct 2024 19:39

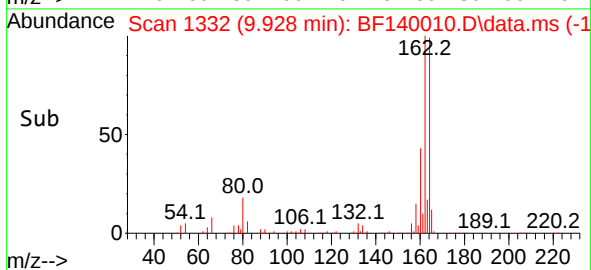
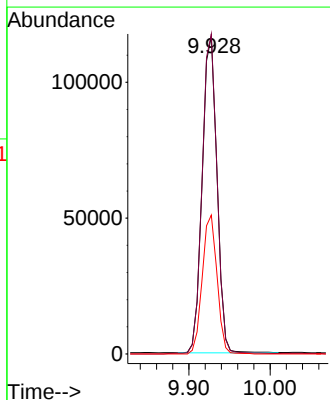
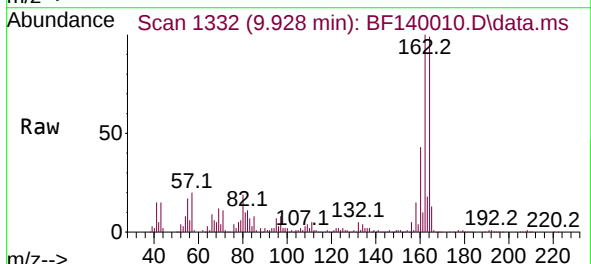
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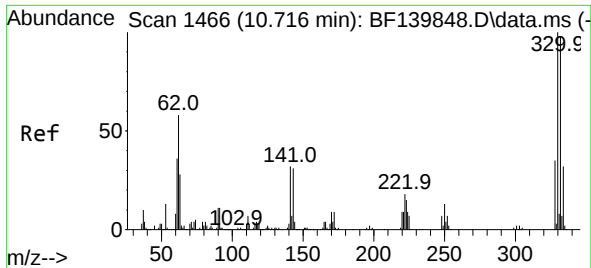
Tgt Ion:113 Resp: 26188
 Ion Ratio Lower Upper
 113 100
 55 339.6 189.2 229.2#
 56 352.0 132.5 172.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.928 min Scan# 1332
 Delta R.T. 0.001 min
 Lab File: BF140010.D
 Acq: 24 Oct 2024 19:39

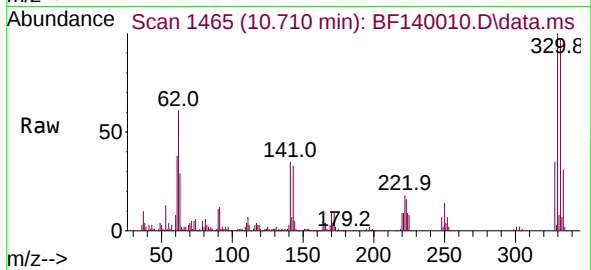
Tgt Ion:164 Resp: 146853
 Ion Ratio Lower Upper
 164 100
 162 100.8 81.0 121.4
 160 43.7 35.4 53.0



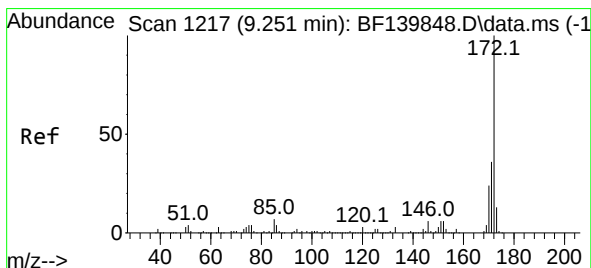
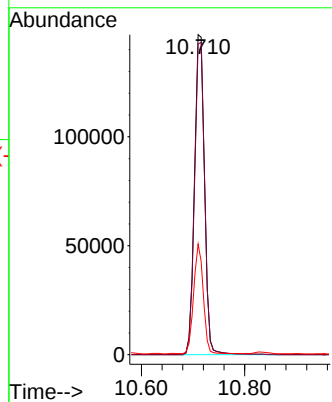
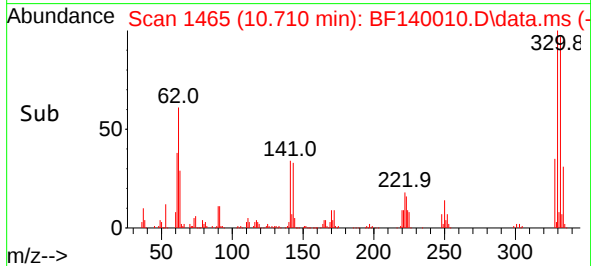


#42
2,4,6-Tribromophenol
Concen: 144.987 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

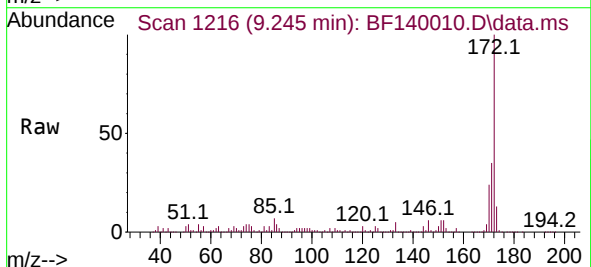
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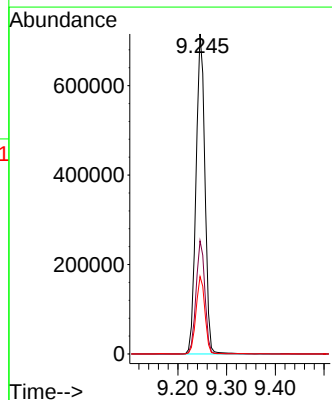
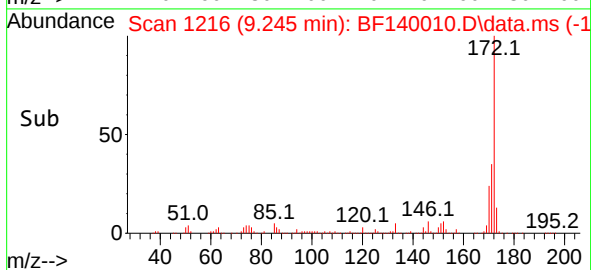
Tgt Ion:330 Resp: 199156
Ion Ratio Lower Upper
330 100
332 97.1 78.1 117.1
141 32.3 26.6 39.8

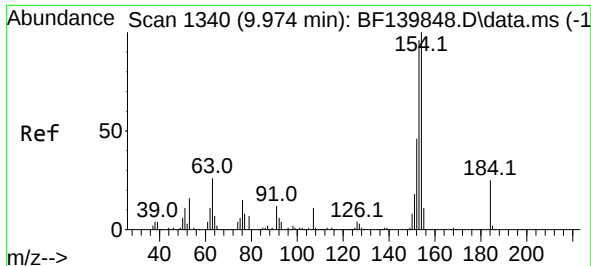


#45
2-Fluorobiphenyl
Concen: 103.525 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39



Tgt Ion:172 Resp: 919888
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 24.2 19.1 28.7

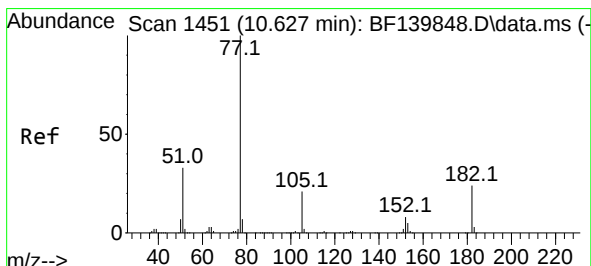
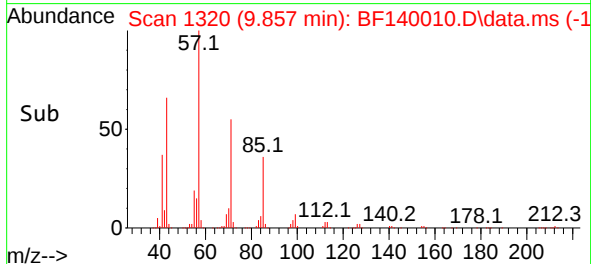
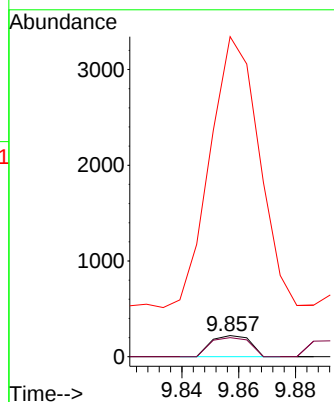
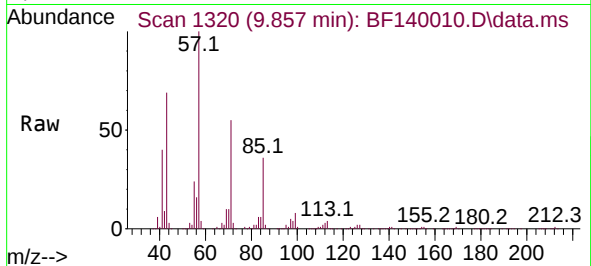




#54
2,4-Dinitrophenol
Concen: 6.766 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.117 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

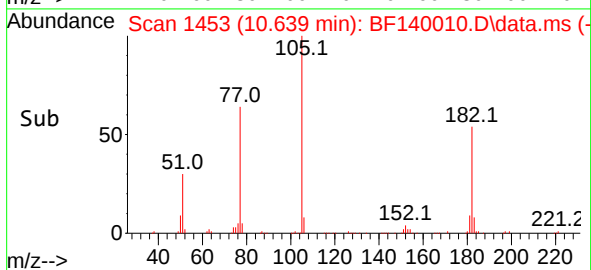
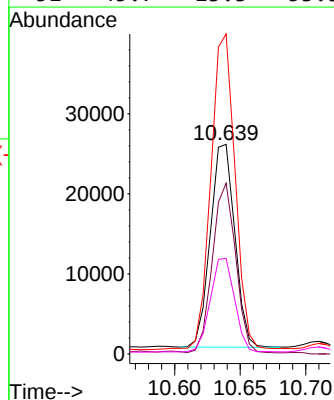
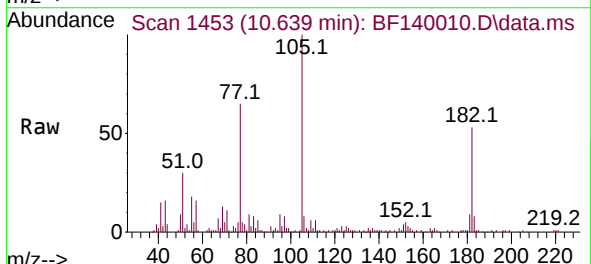
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

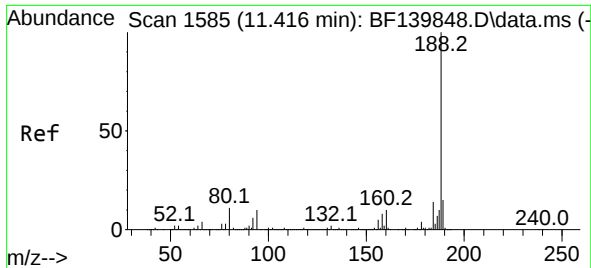
Tgt Ion:184 Resp: 213
Ion Ratio Lower Upper
184 100
63 90.0 84.7 127.1
154 1512.7 338.2 507.2#



#63
Azobenzene
Concen: 3.451 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion: 77 Resp: 32857
Ion Ratio Lower Upper
77 100
182 81.4 3.3 43.3#
105 152.7 1.2 41.2#
51 45.7 13.3 53.3

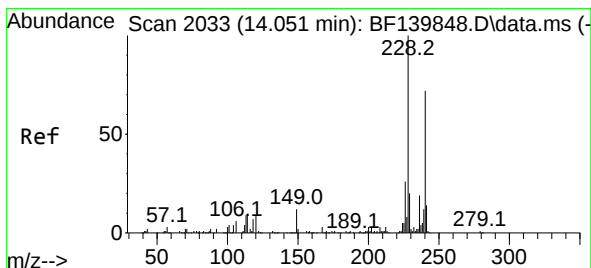
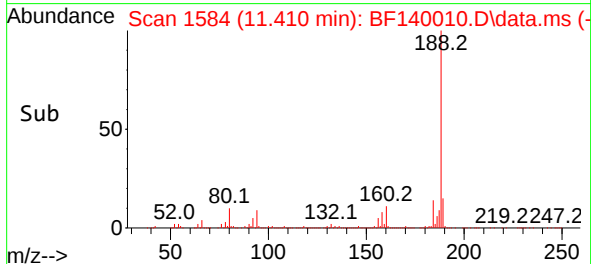
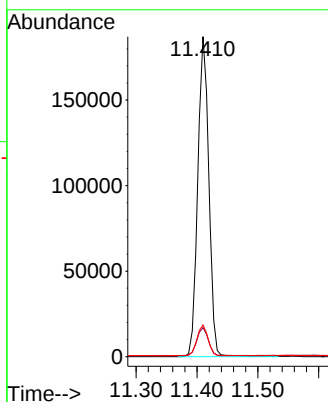
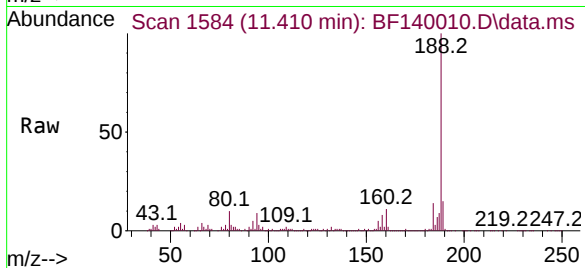




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

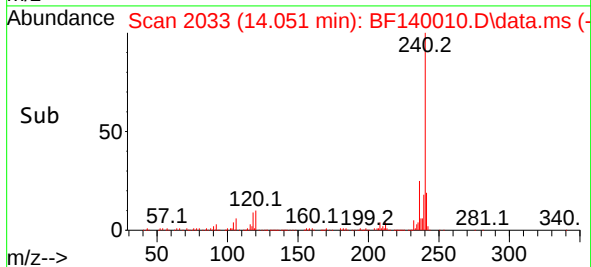
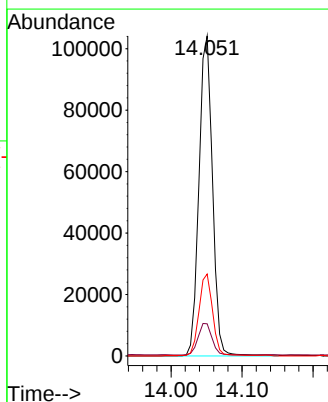
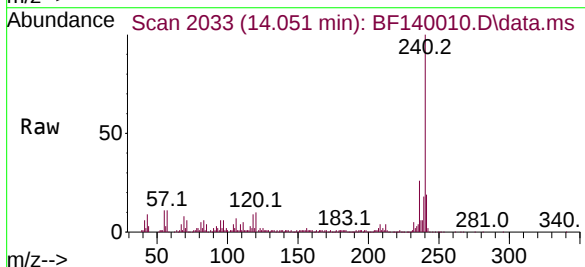
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

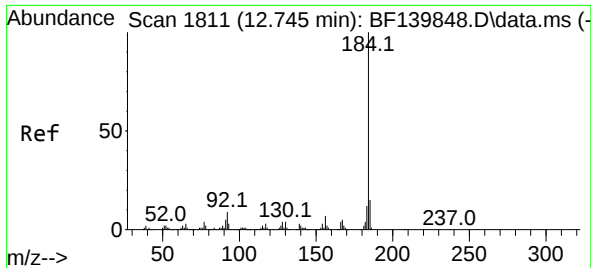
Tgt Ion:188 Resp: 235672
Ion Ratio Lower Upper
188 100
94 9.1 7.9 11.9
80 9.9 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion:240 Resp: 138066
Ion Ratio Lower Upper
240 100
120 10.0 9.4 14.2
236 25.6 20.9 31.3

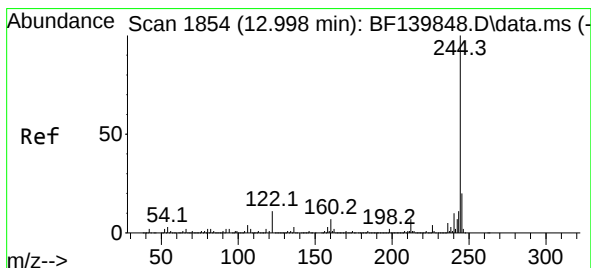
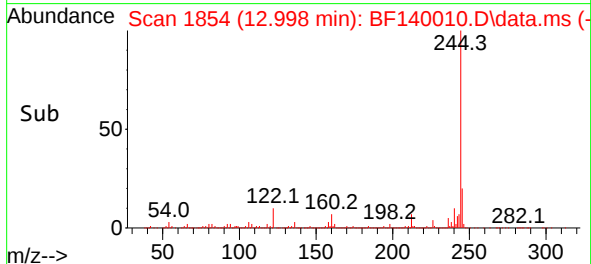
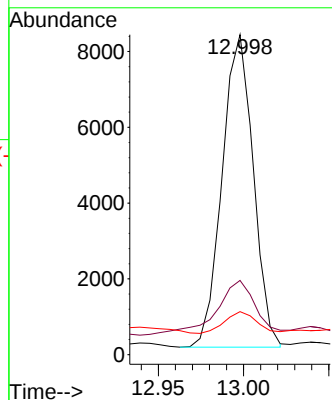
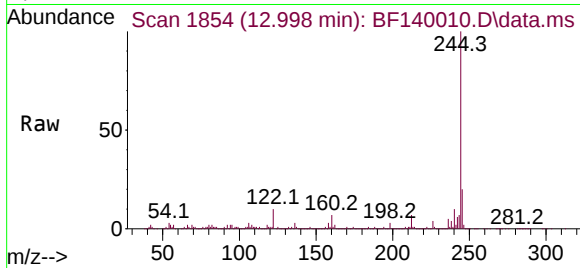




#77
Benzidine
Concen: 4.610 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

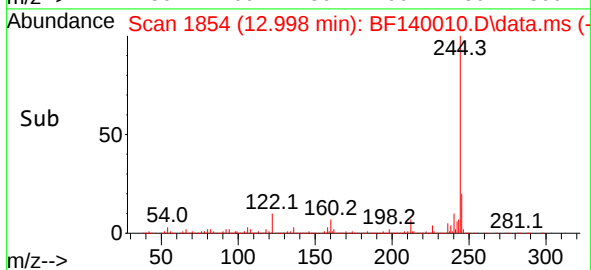
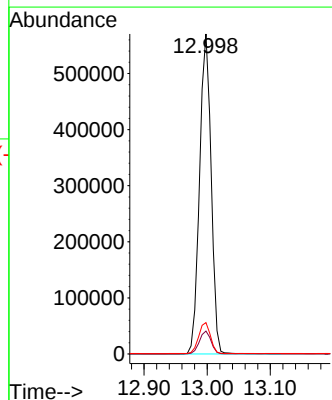
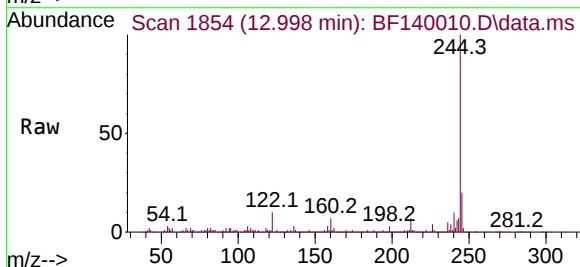
Instrument :
BNA_F
ClientSampleId :
WB-303-BOT

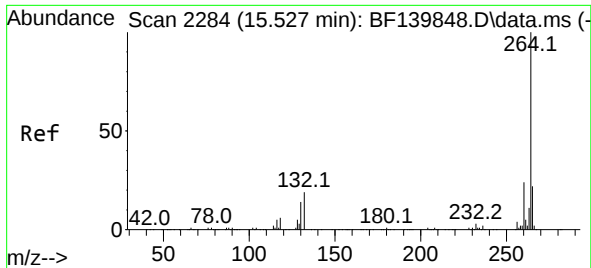
Tgt Ion:184 Resp: 10465
Ion Ratio Lower Upper
184 100
185 23.2 12.0 18.0#
183 13.5 9.4 14.2



#79
Terphenyl-d14
Concen: 85.569 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140010.D
Acq: 24 Oct 2024 19:39

Tgt Ion:244 Resp: 725023
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.8 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF140010.D
 Acq: 24 Oct 2024 19:39

Instrument :
 BNA_F
 ClientSampleId :
 WB-303-BOT

Tgt Ion:264 Resp: 174243
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 20.9 17.4 26.0

