

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140809.D
 Acq On : 10 Dec 2024 16:42
 Operator : RC/JU
 Sample : P5196-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-761

Quant Time: Dec 10 18:09:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

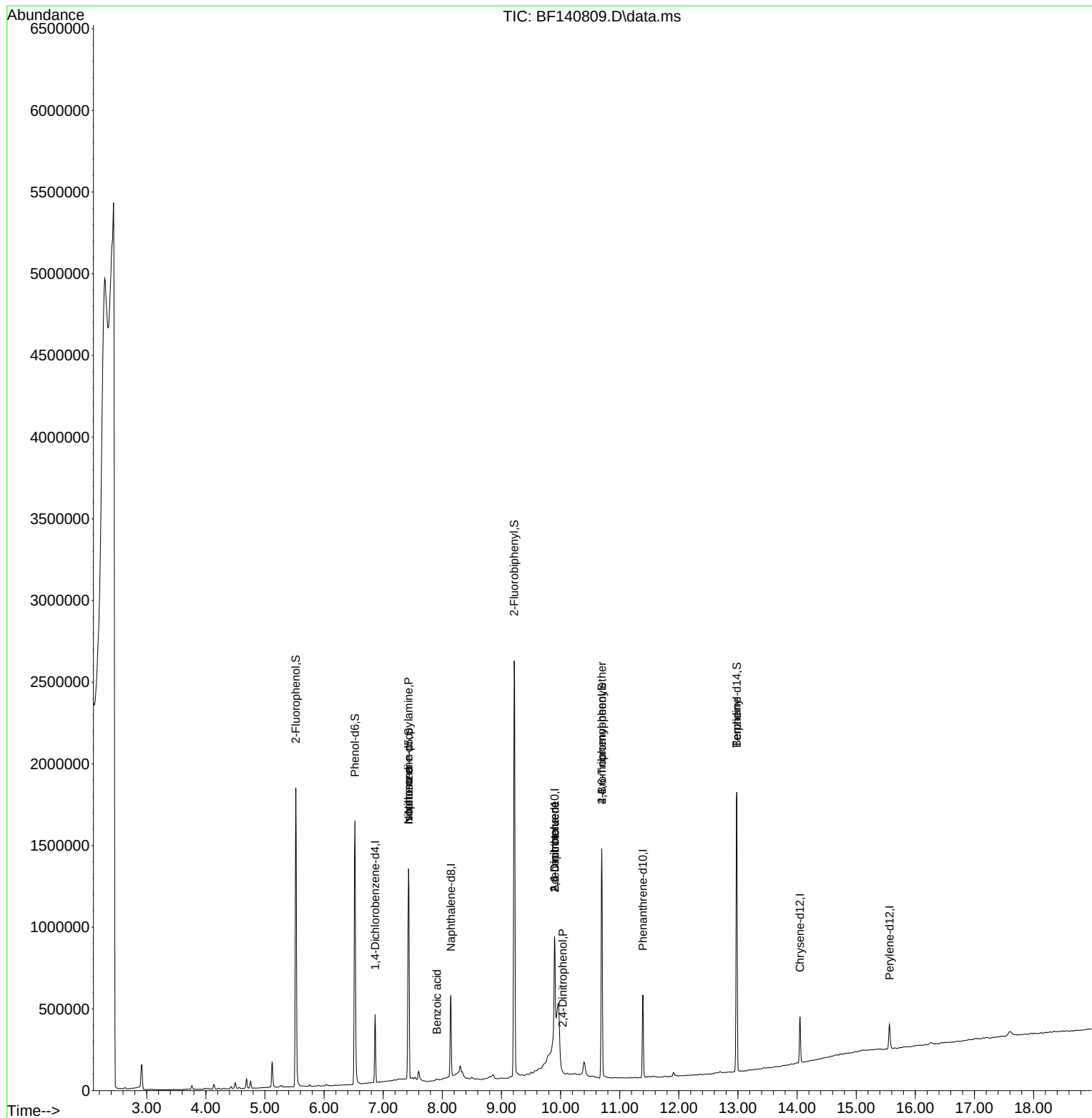
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	90281	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	329181	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	173139	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	271655	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	145553	20.000	ng	0.00
86) Perylene-d12	15.562	264	94476	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	721977	136.446	ng	0.02
7) Phenol-d6	6.522	99	824151	117.816	ng	0.00
23) Nitrobenzene-d5	7.428	82	631836	98.179	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	253932	137.132	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1218732	104.878	ng	-0.02
79) Terphenyl-d14	12.980	244	882640	94.425	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	87434	21.149	ng	# 80
25) Isophorone	7.428	82	625732	58.294	ng	# 66
32) Benzoic acid	7.910	122	1821	7.696	ng	# 89
51) 2,6-Dinitrotoluene	9.898	165	23731	9.176	ng	# 31
54) 2,4-Dinitrophenol	10.039	184	57	7.861	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	23731	6.905	ng	# 28
67) 4-Bromophenyl-phenylether	10.698	248	16204	5.792	ng	# 1
77) Benzidine	12.980	184	13395	3.165	ng	94

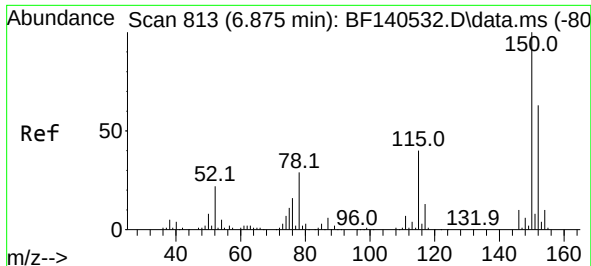
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
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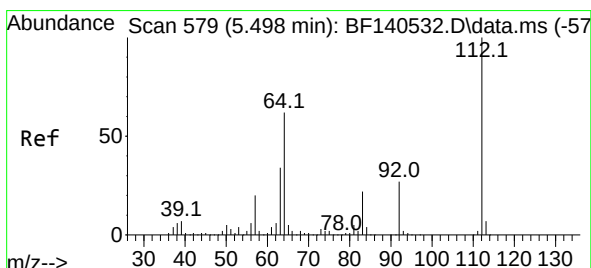
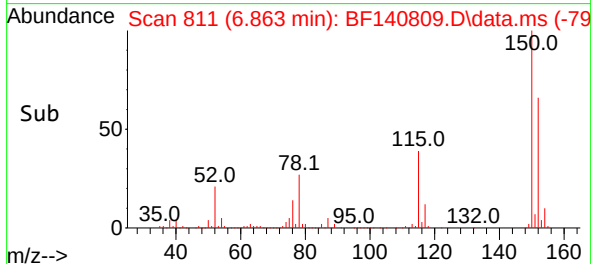
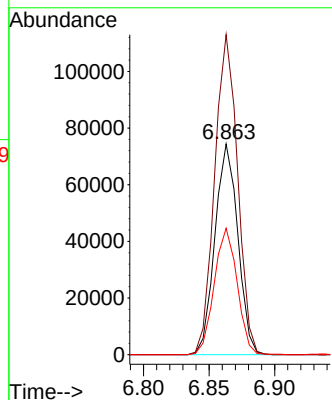
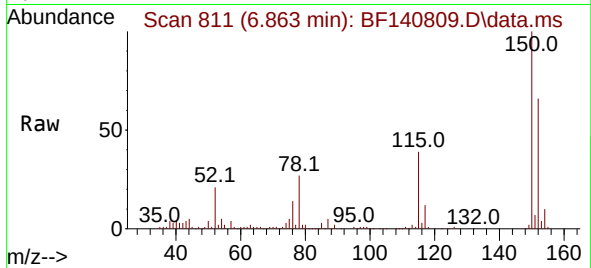




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

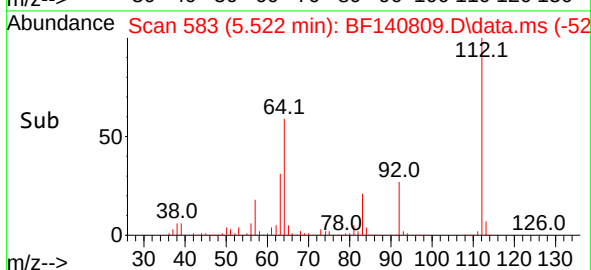
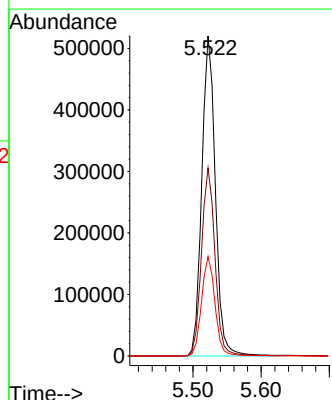
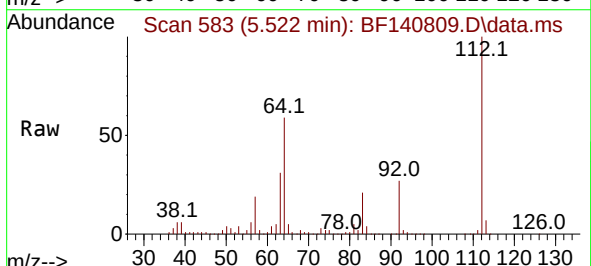
Instrument :
BNA_F
ClientSampleId :
MH-761

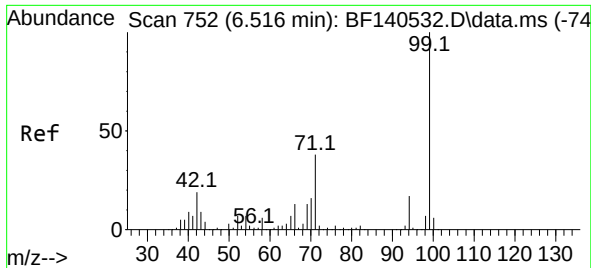
Tgt Ion:152 Resp: 90281
Ion Ratio Lower Upper
152 100
150 151.8 128.5 192.7
115 60.0 50.2 75.4



#5
2-Fluorophenol
Concen: 136.446 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

Tgt Ion:112 Resp: 721977
Ion Ratio Lower Upper
112 100
64 58.8 49.2 73.8
63 31.1 27.0 40.4

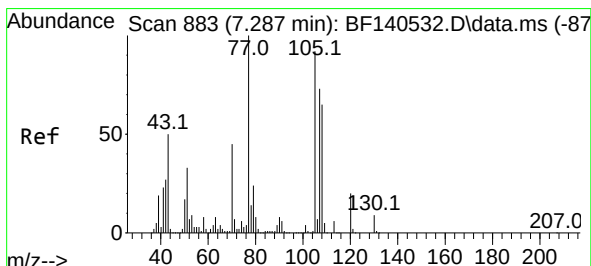
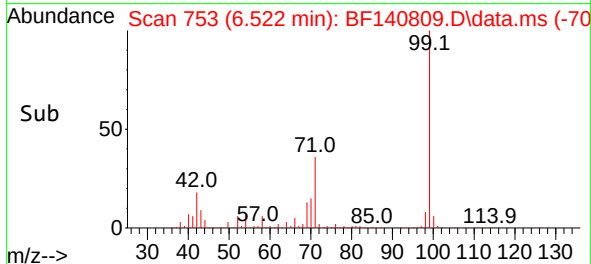
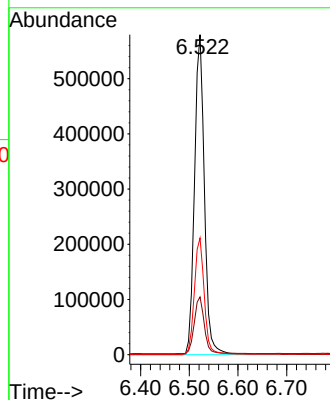
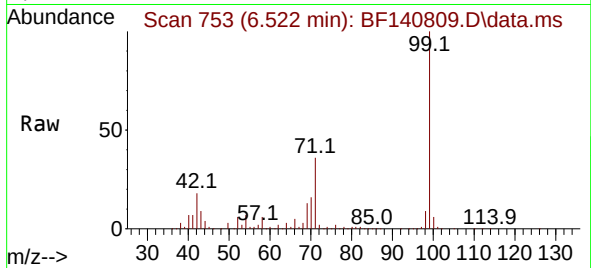




#7
Phenol-d6
Concen: 117.816 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

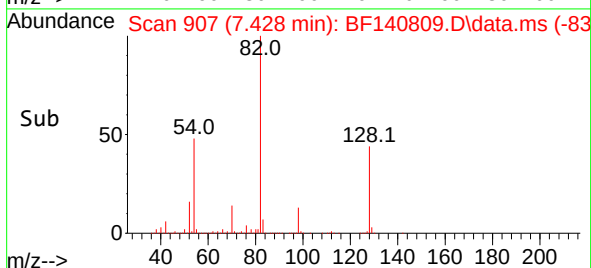
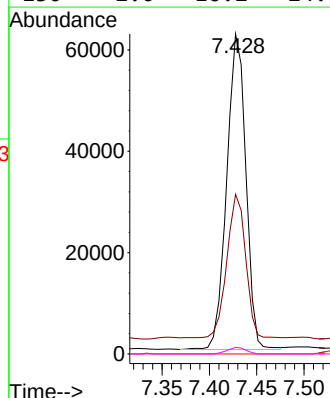
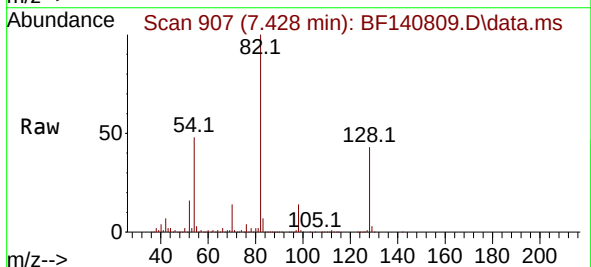
Instrument :
BNA_F
ClientSampleId :
MH-761

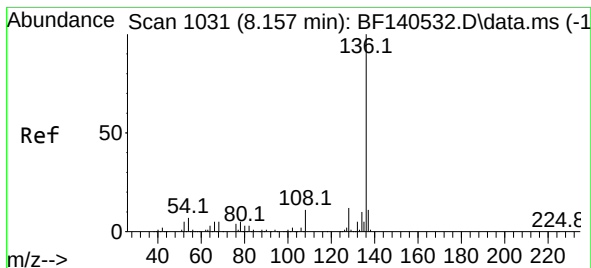
Tgt Ion: 99 Resp: 824151
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 21.149 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

Tgt Ion: 70 Resp: 87434
Ion Ratio Lower Upper
70 100
42 49.9 47.6 71.4
101 0.0 7.6 11.4#
130 2.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

Tgt Ion:136 Resp: 329181

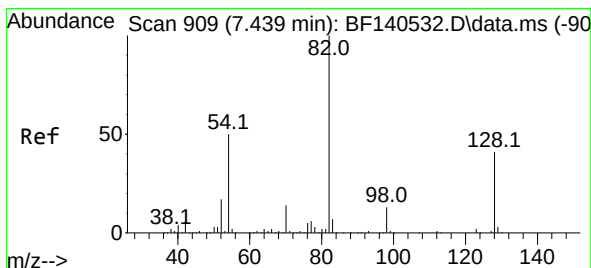
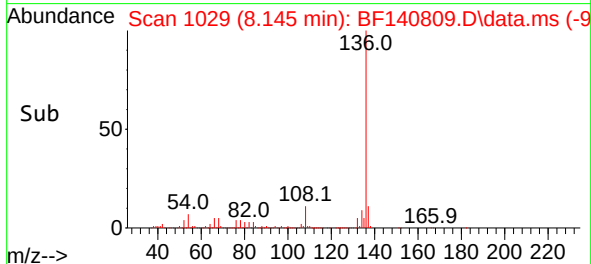
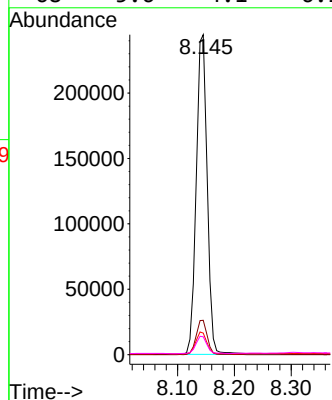
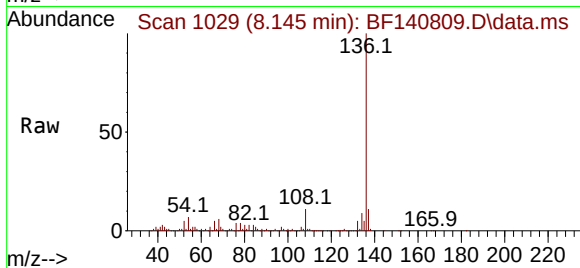
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.8 5.8 8.8

68 5.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 98.179 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.012 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

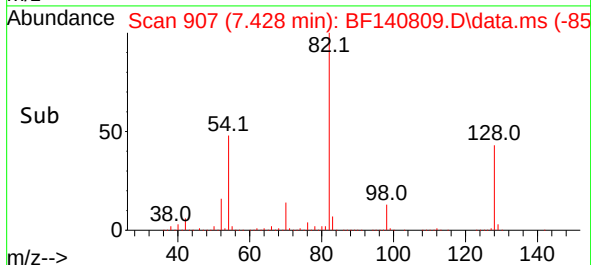
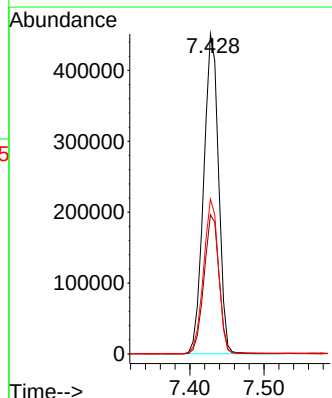
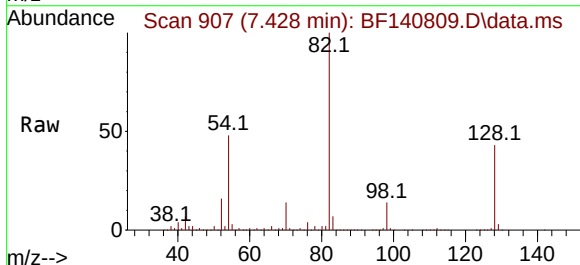
Tgt Ion: 82 Resp: 631836

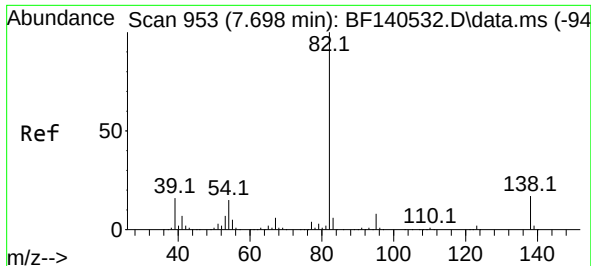
Ion Ratio Lower Upper

82 100

128 43.5 33.0 49.4

54 48.4 39.5 59.3





#25

Isophorone

Concen: 58.294 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.271 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

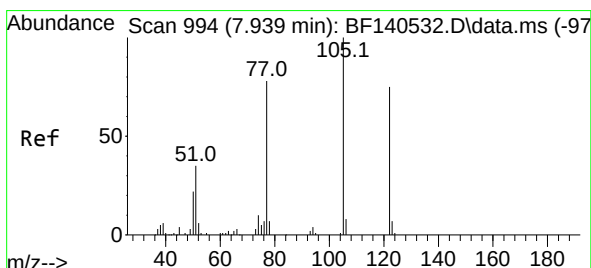
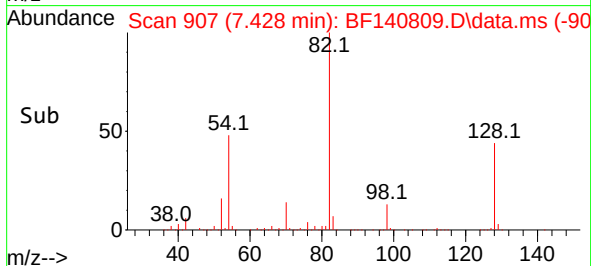
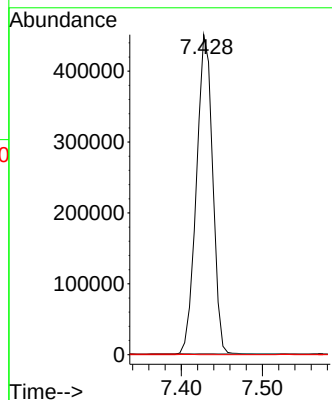
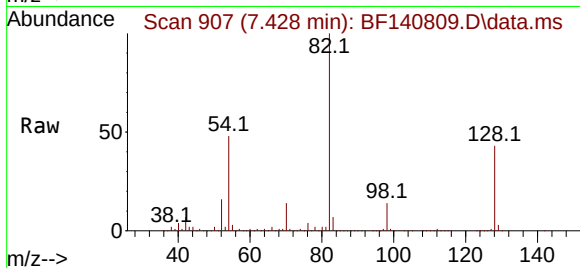
Tgt Ion: 82 Resp: 625732

Ion Ratio Lower Upper

82 100

95 0.2 6.4 9.6#

138 0.0 13.8 20.6#



#32

Benzoic acid

Concen: 7.696 ng

RT: 7.910 min Scan# 989

Delta R.T. -0.029 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

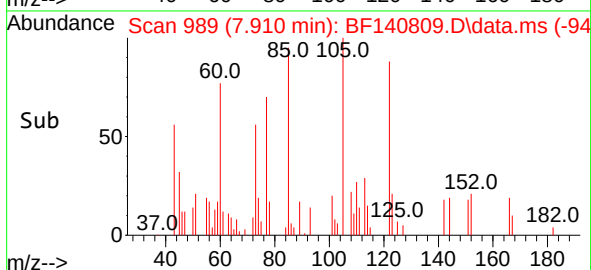
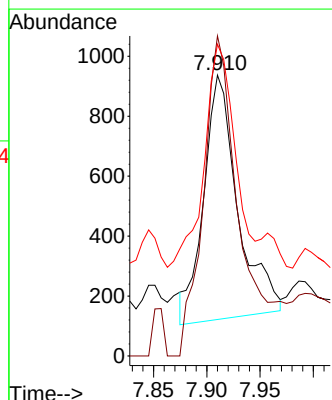
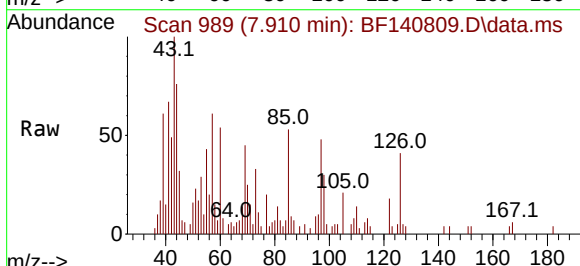
Tgt Ion:122 Resp: 1821

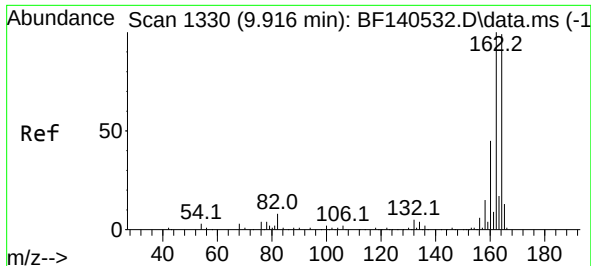
Ion Ratio Lower Upper

122 100

105 114.0 109.3 149.3

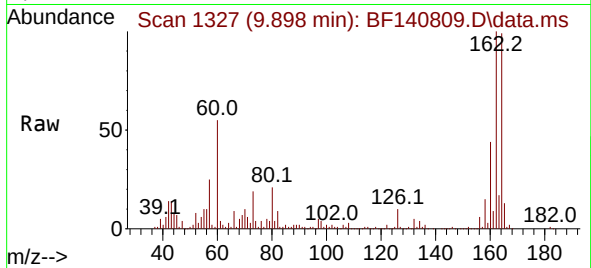
77 111.0 82.3 122.3



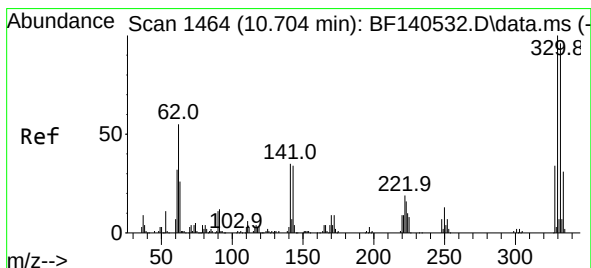
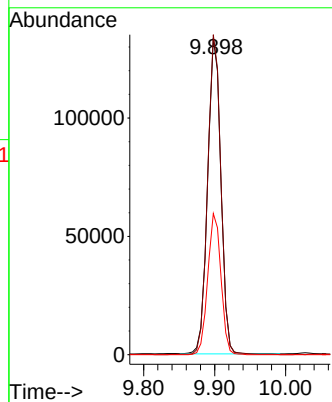
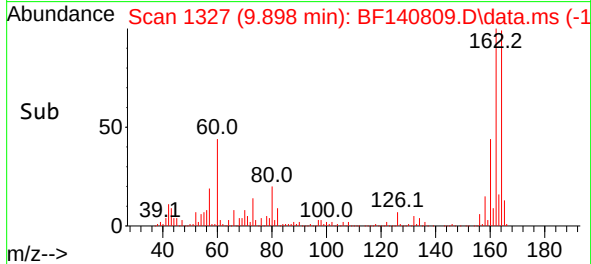


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

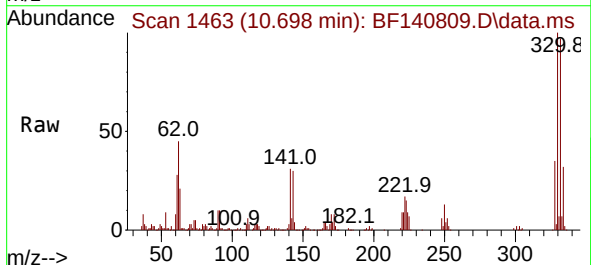
Instrument :
BNA_F
ClientSampleId :
MH-761



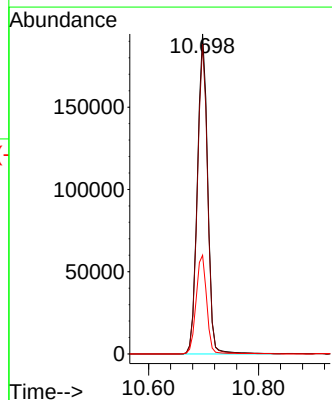
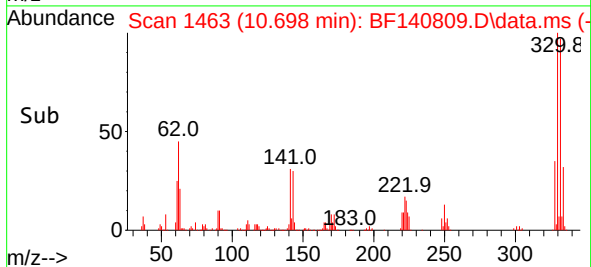
Tgt Ion:164 Resp: 173139
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.6 36.2 54.4

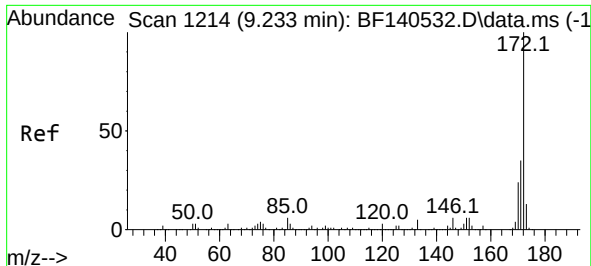


#42
2,4,6-Tribromophenol
Concen: 137.132 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42



Tgt Ion:330 Resp: 253932
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 31.8 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 104.878 ng

RT: 9.216 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

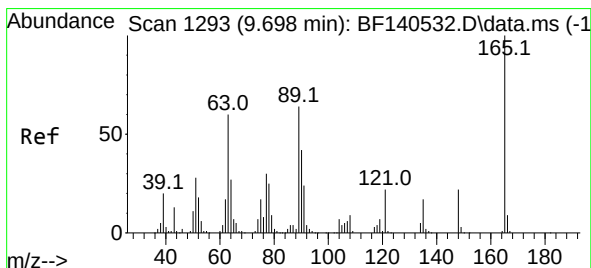
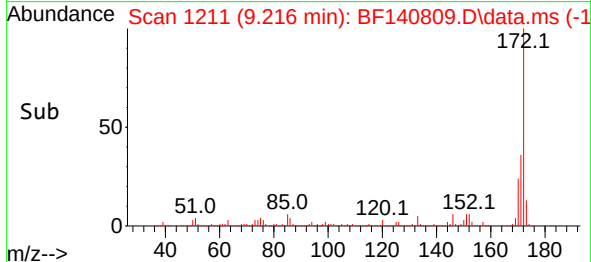
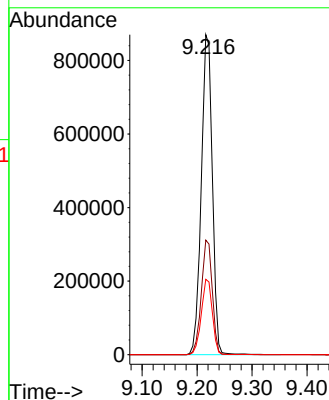
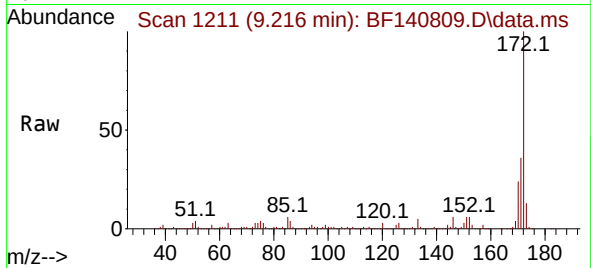
Tgt Ion:172 Resp: 1218732

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.6 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.176 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.200 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

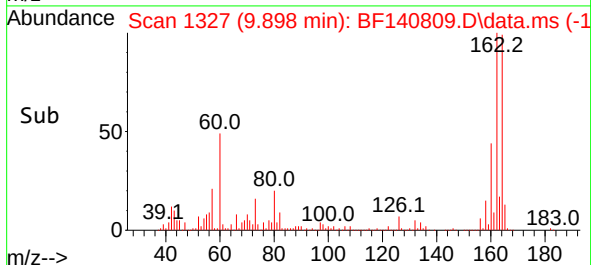
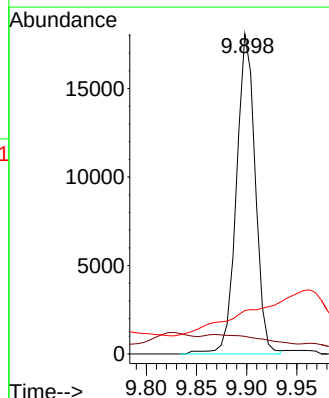
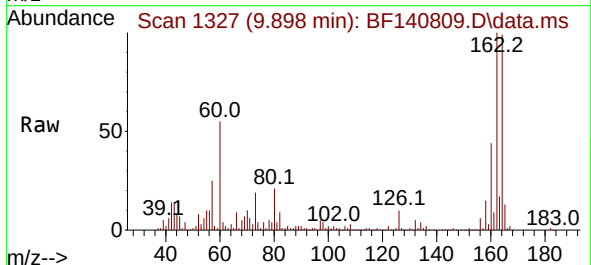
Tgt Ion:165 Resp: 23731

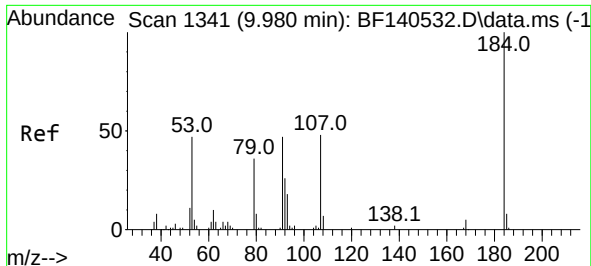
Ion Ratio Lower Upper

165 100

63 5.5 49.9 74.9#

89 13.6 50.9 76.3#

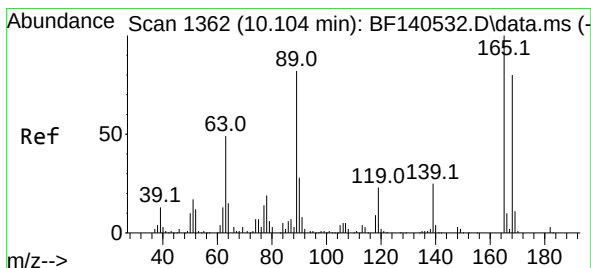
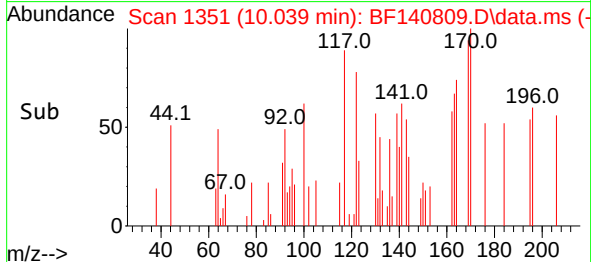
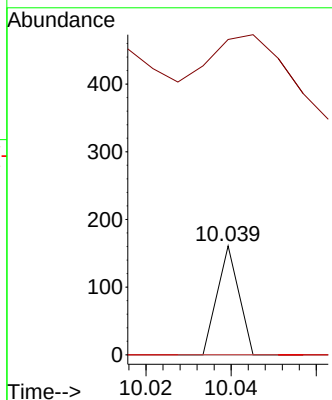
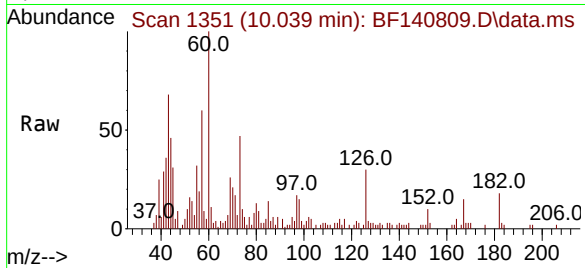




#54
2,4-Dinitrophenol
Concen: 7.861 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.059 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

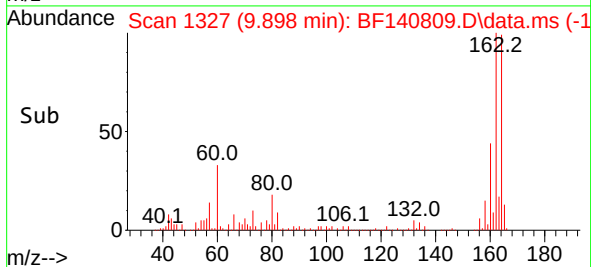
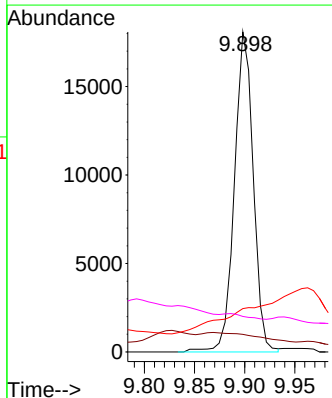
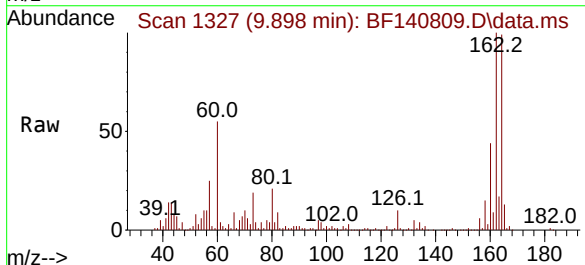
Instrument :
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ClientSampleId :
MH-761

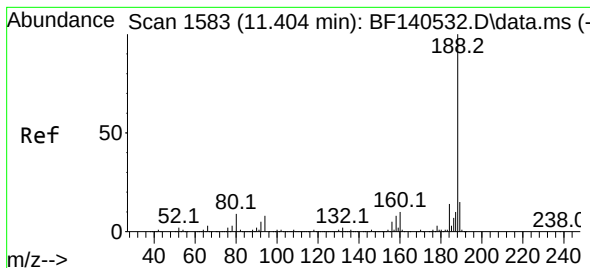
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 289.4 54.1 81.1#
154 0.0 57.4 86.0#



#57
2,4-Dinitrotoluene
Concen: 6.905 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.206 min
Lab File: BF140809.D
Acq: 10 Dec 2024 16:42

Tgt Ion:165 Resp: 23731
Ion Ratio Lower Upper
165 100
63 5.5 41.7 62.5#
89 13.6 65.8 98.8#
182 11.1 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

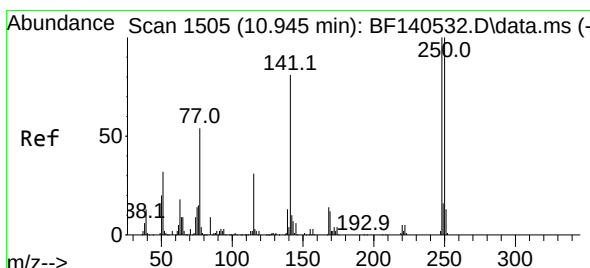
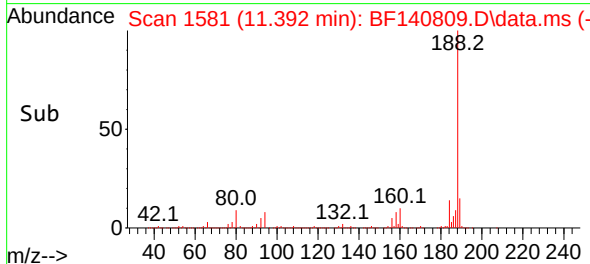
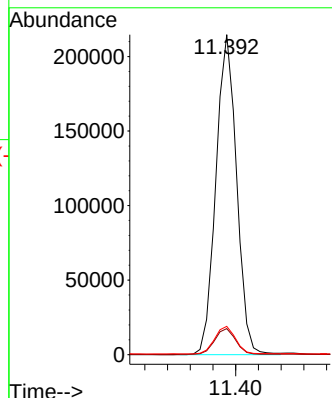
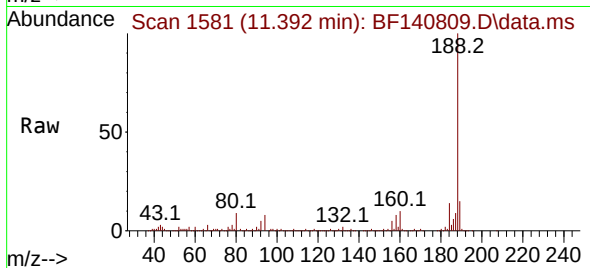
Tgt Ion:188 Resp: 271655

Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.9 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 5.792 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

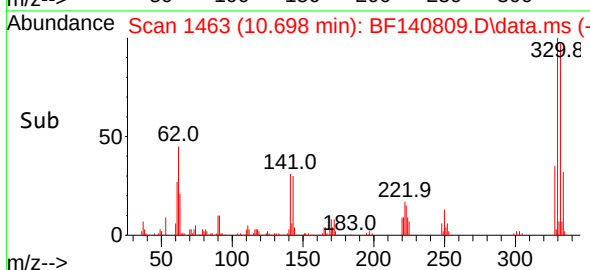
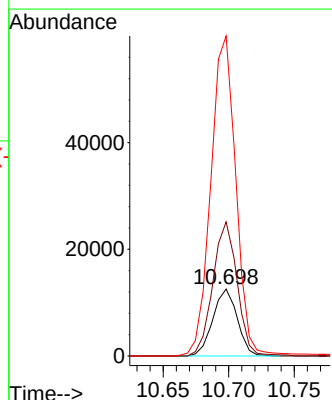
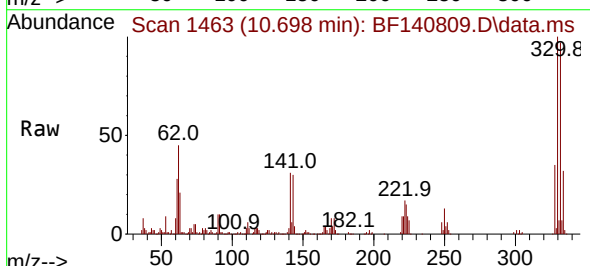
Tgt Ion:248 Resp: 16204

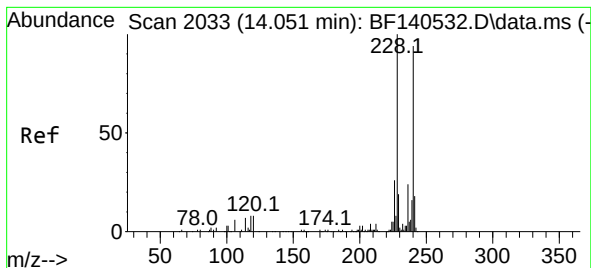
Ion Ratio Lower Upper

248 100

250 200.4 79.8 119.8#

141 478.0 64.7 97.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

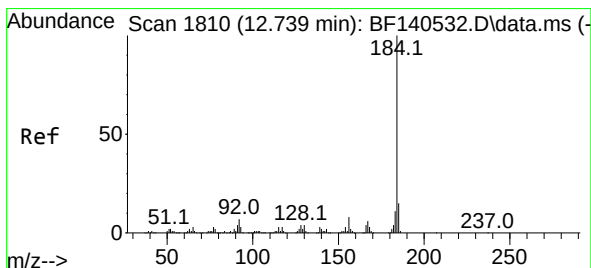
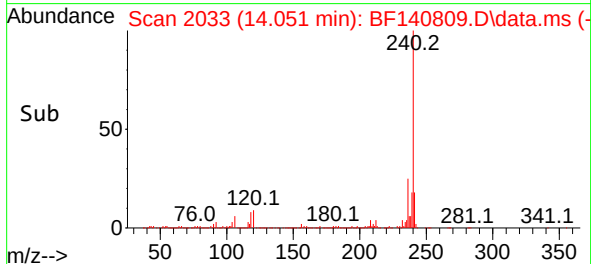
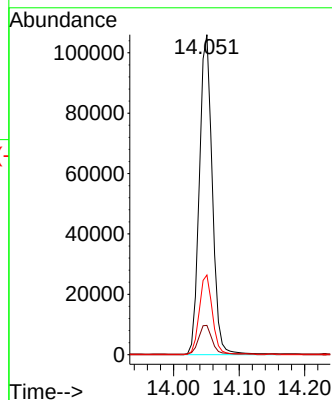
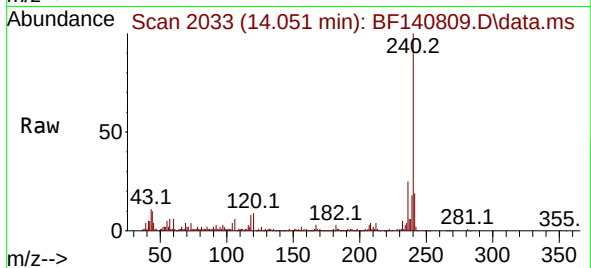
Tgt Ion:240 Resp: 145553

Ion Ratio Lower Upper

240 100

120 9.2 7.3 10.9

236 24.9 20.6 31.0



#77

Benzidine

Concen: 3.165 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.241 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

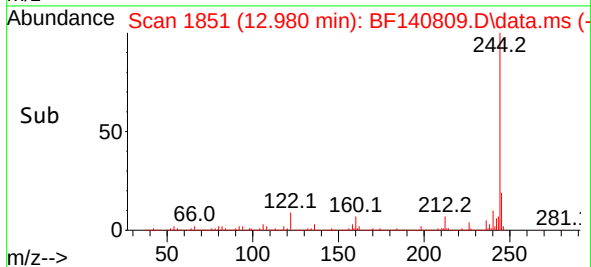
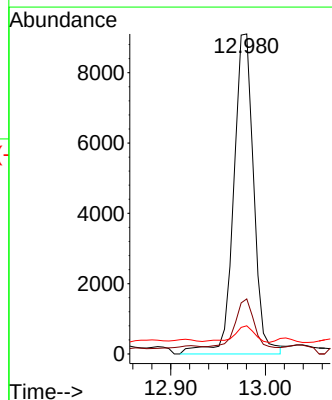
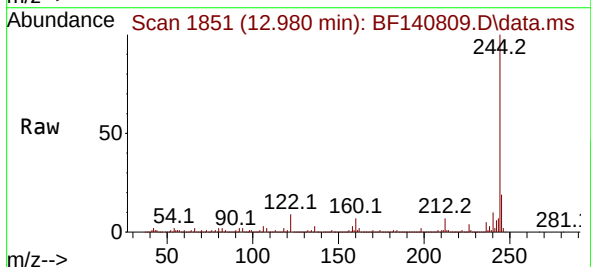
Tgt Ion:184 Resp: 13395

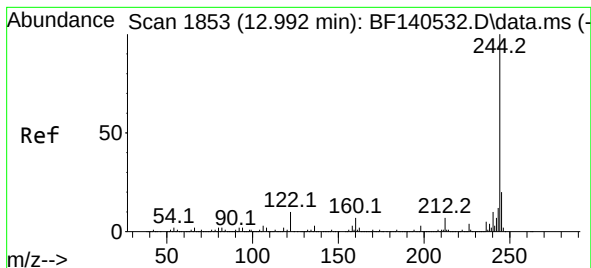
Ion Ratio Lower Upper

184 100

185 17.2 11.7 17.5

183 8.8 8.8 13.2





#79

Terphenyl-d14

Concen: 94.425 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Instrument :

BNA_F

ClientSampleId :

MH-761

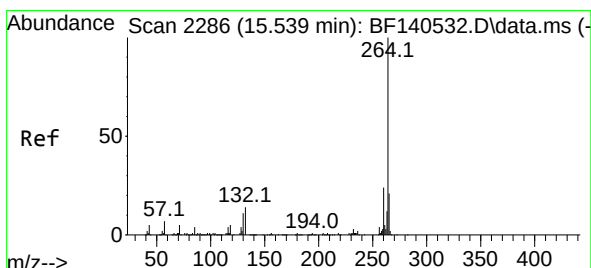
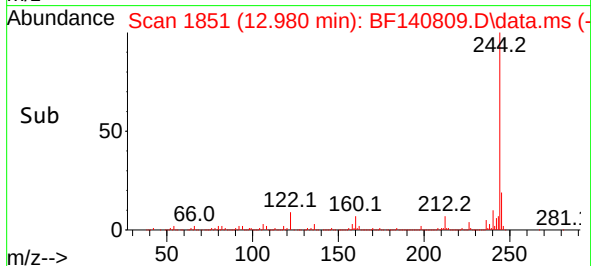
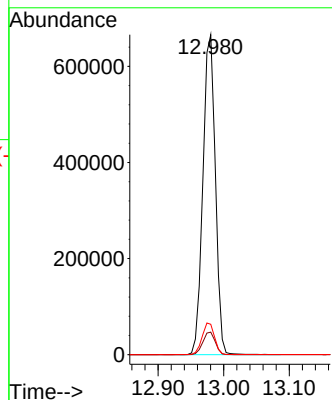
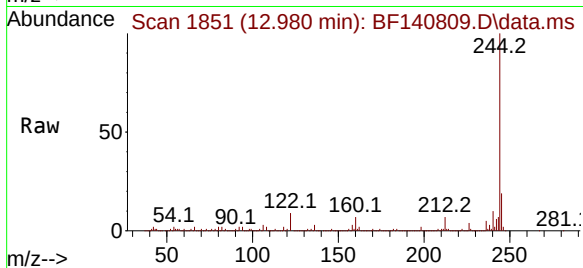
Tgt Ion:244 Resp: 882640

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.5 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.024 min

Lab File: BF140809.D

Acq: 10 Dec 2024 16:42

Tgt Ion:264 Resp: 94476

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 21.8 16.6 25.0

