

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140886.D
 Acq On : 17 Dec 2024 15:38
 Operator : RC/JU
 Sample : P5270-08DL 20X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW14-20241212DL

Quant Time: Dec 17 16:25:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

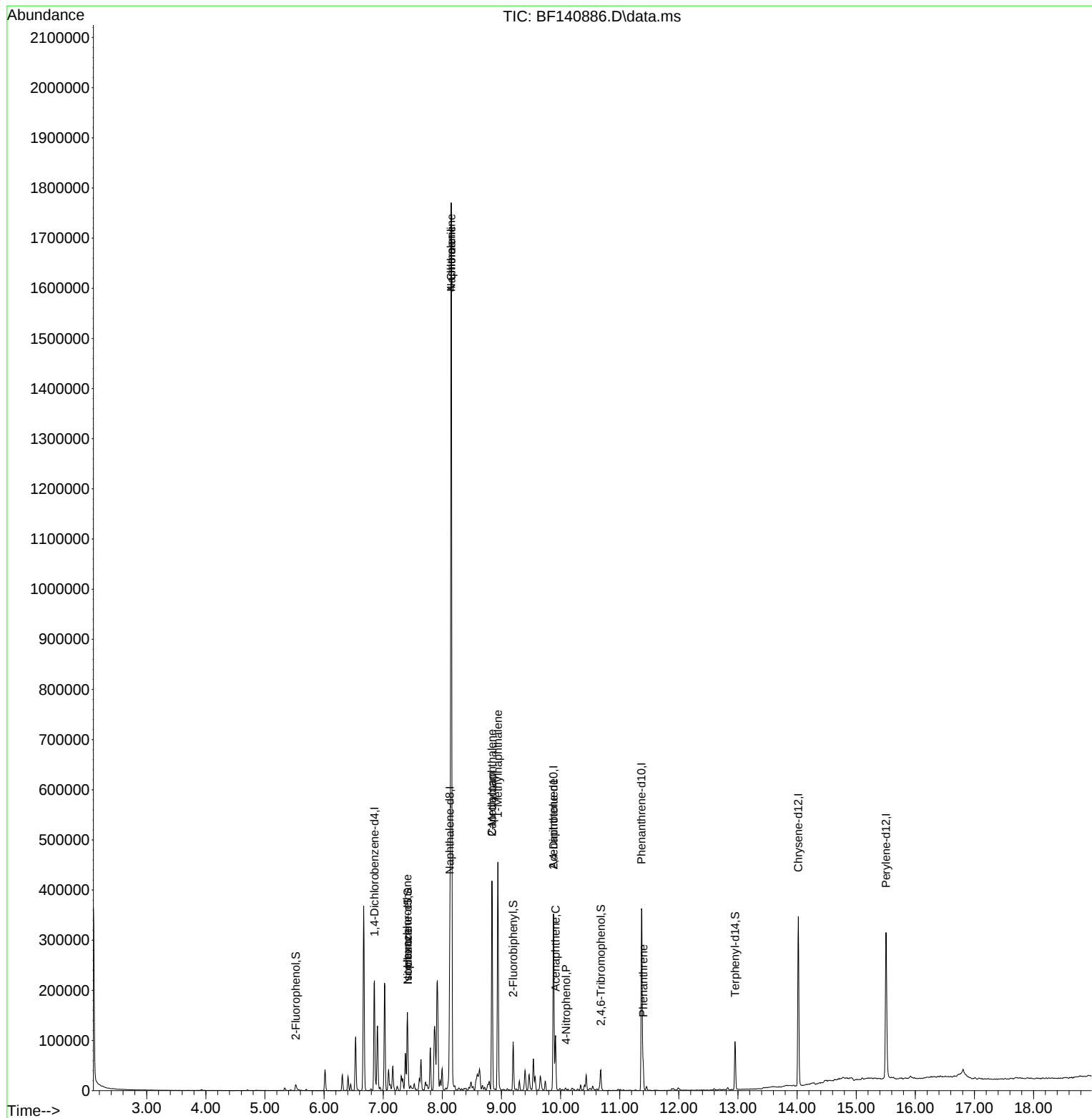
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	50750	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	188533	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	103517	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	207798	20.000	ng	0.00
76) Chrysene-d12	14.021	240	165506	20.000	ng	-0.01
86) Perylene-d12	15.504	264	183677	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	8424	2.733	ng	0.04
7) Phenol-d6	6.534	99	7126	1.745	ng	0.04
23) Nitrobenzene-d5	7.416	82	18267	4.848	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	7839	6.403	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	42252	5.612	ng	0.00
79) Terphenyl-d14	12.951	244	48334	4.605	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.410	117	66278	45.784	ng	# 2
25) Isophorone	7.416	82	18267	2.893	ng	# 65
31) Naphthalene	8.151	128	1101533	106.363	ng	100
33) 4-Chloroaniline	8.151	127	146619	42.627	ng	# 32
35) Caprolactam	8.839	113	3749	4.393	ng	# 1
37) 2-Methylnaphthalene	8.839	142	156375	22.826	ng	100
38) 1-Methylnaphthalene	8.939	142	168773	24.910	ng	99
52) Acenaphthene	9.916	154	33944	5.742	ng	96
56) 4-Nitrophenol	10.092	139	313	4.774	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	14481	6.597	ng	# 15
71) Phenanthrene	11.398	178	30962	2.897	ng	98

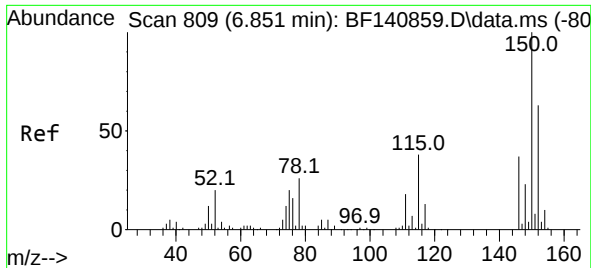
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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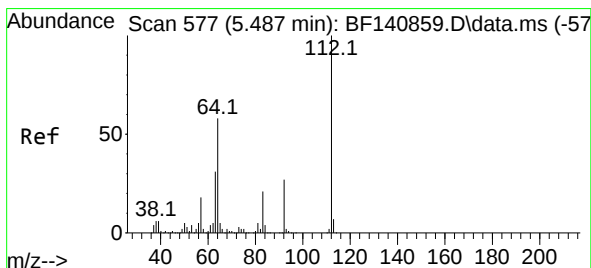
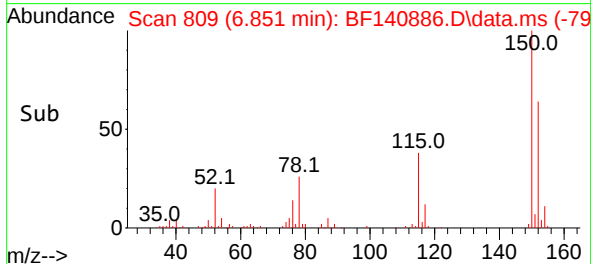
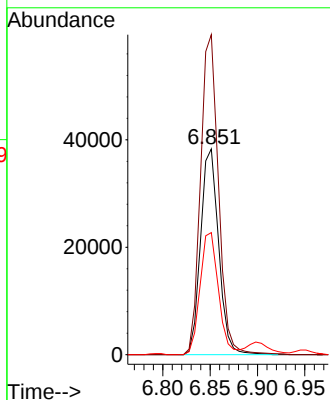
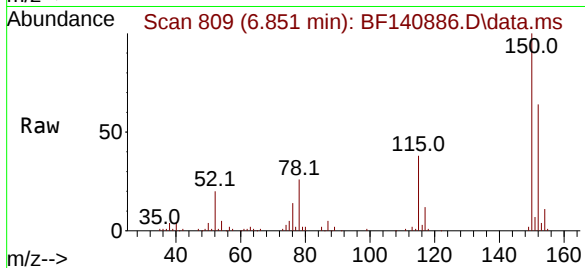




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

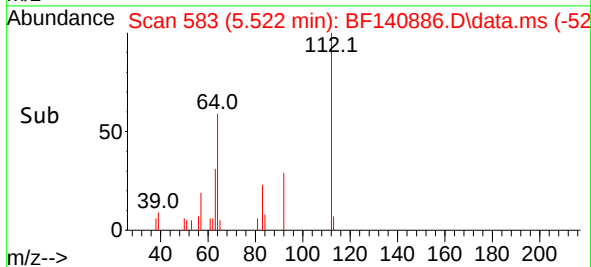
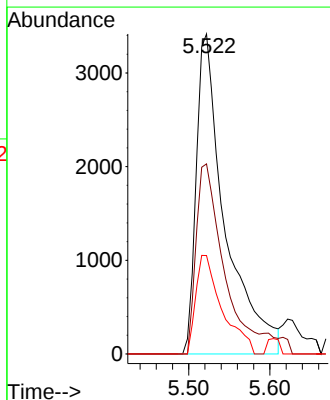
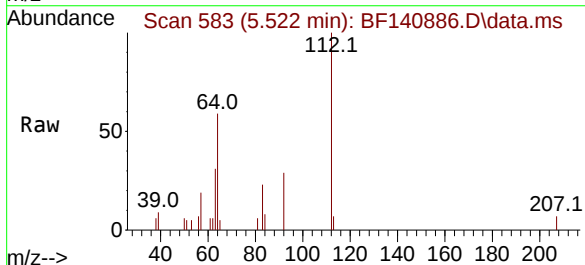
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

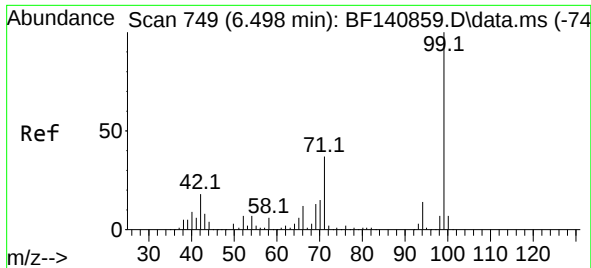
Tgt Ion:152 Resp: 50750
Ion Ratio Lower Upper
152 100
150 155.6 127.9 191.9
115 59.4 48.0 72.0



#5
2-Fluorophenol
Concen: 2.733 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.035 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Tgt Ion:112 Resp: 8424
Ion Ratio Lower Upper
112 100
64 59.4 46.1 69.1
63 30.7 24.9 37.3





#7

Phenol-d6

Concen: 1.745 ng

RT: 6.534 min Scan# 71

Delta R.T. 0.035 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

Instrument :

BNA_F

ClientSampleId :

MW14-20241212DL

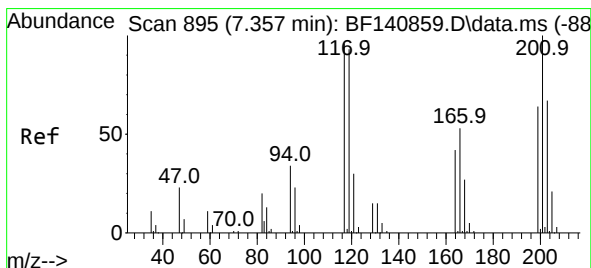
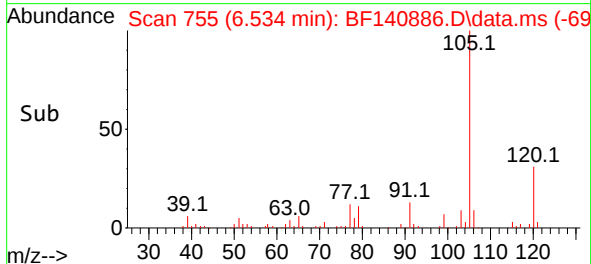
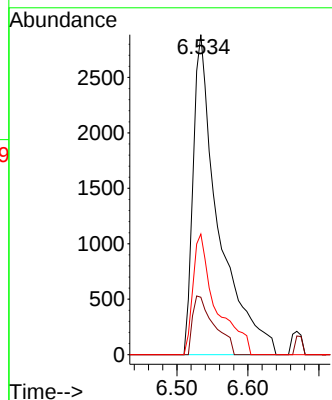
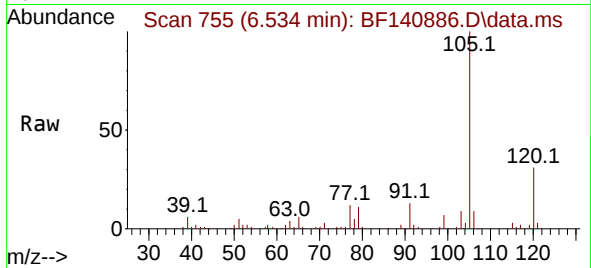
Tgt Ion: 99 Resp: 7126

Ion Ratio Lower Upper

99 100

42 17.9 14.3 21.5

71 37.7 29.9 44.9



#18

Hexachloroethane

Concen: 45.784 ng

RT: 7.410 min Scan# 904

Delta R.T. 0.053 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

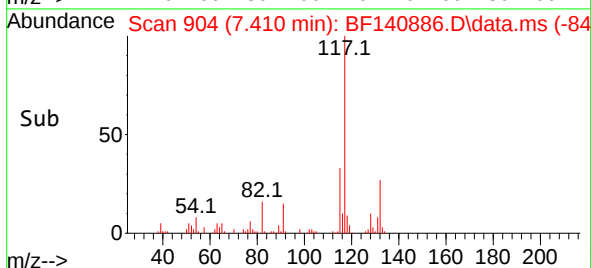
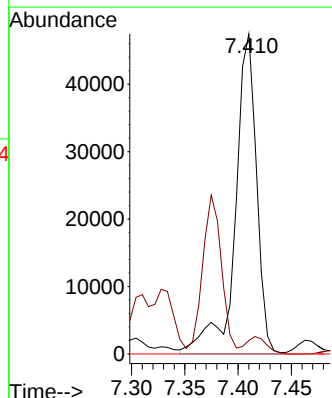
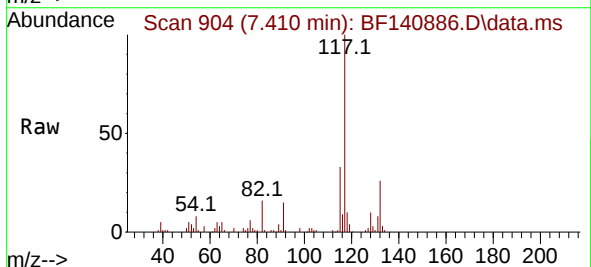
Tgt Ion: 117 Resp: 66278

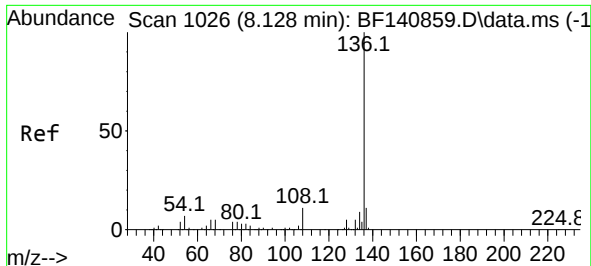
Ion Ratio Lower Upper

117 100

119 4.2 77.4 116.0#

201 0.0 83.4 125.0#

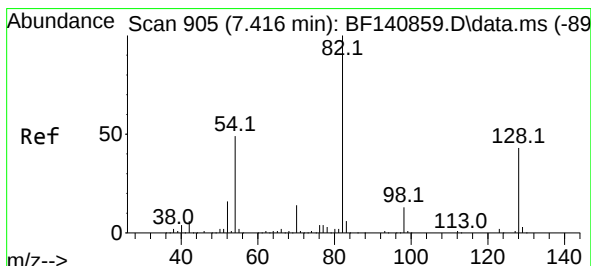
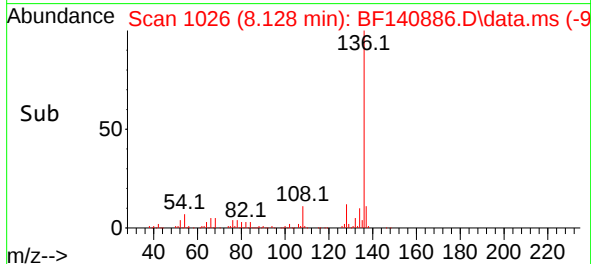
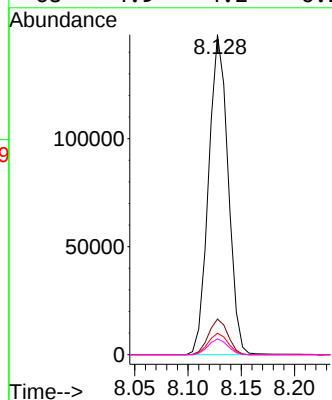
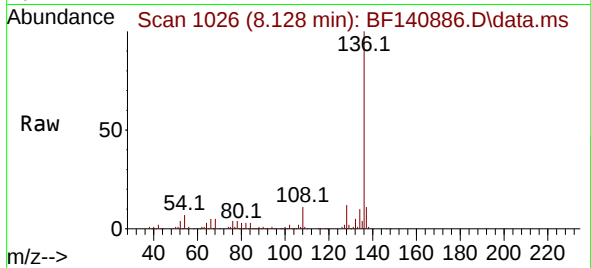




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

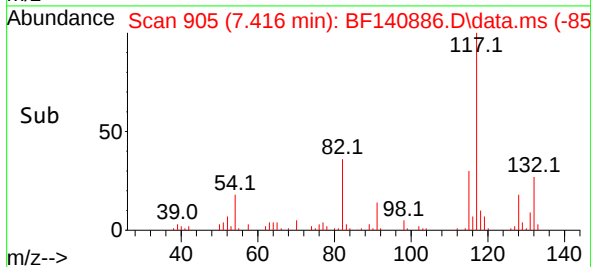
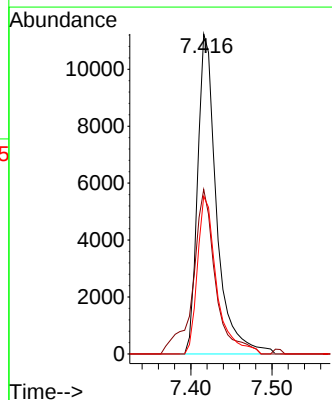
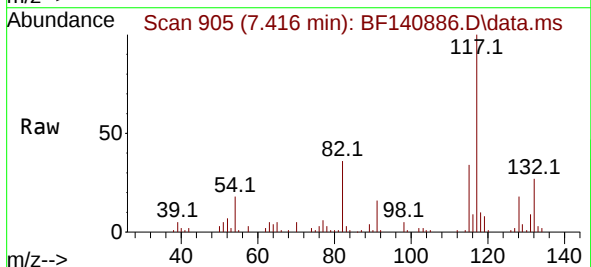
Instrument :
BNA_F
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MW14-20241212DL

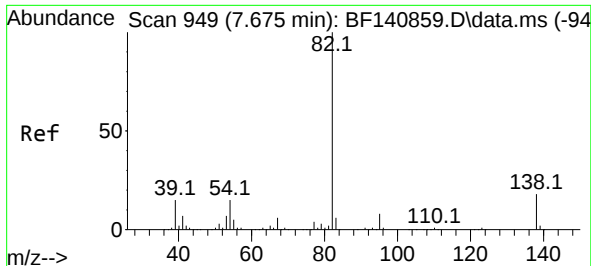
Tgt Ion:	136	Resp:	188533
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.7	5.6	8.4
68	4.9	4.2	6.2



#23
Nitrobenzene-d5
Concen: 4.848 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Tgt Ion:	82	Resp:	18267
Ion	Ratio	Lower	Upper
82	100		
128	51.4	34.4	51.6
54	49.3	38.8	58.2

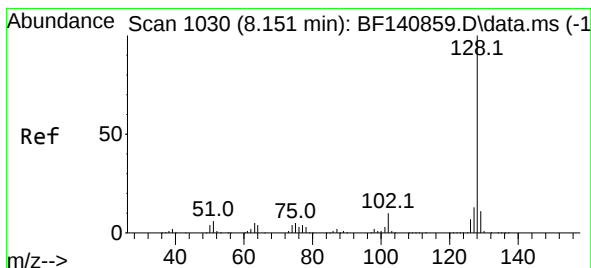
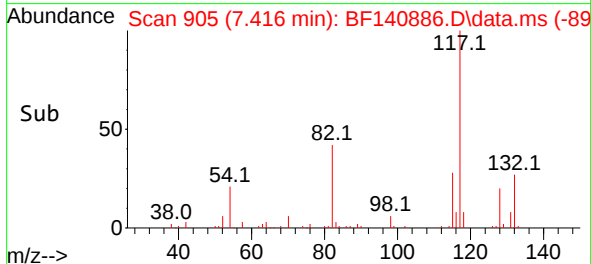
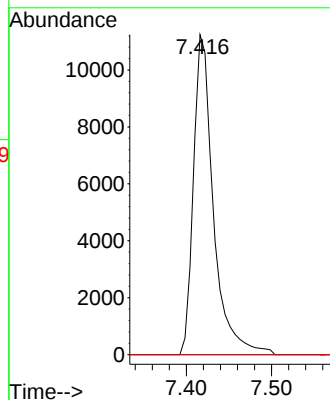
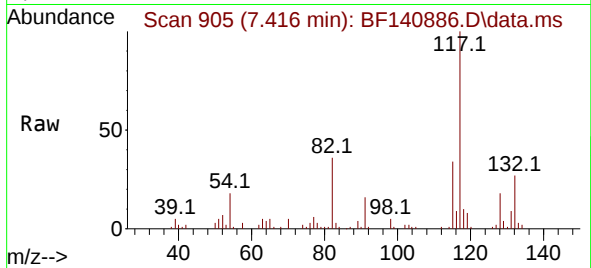




#25
Isophorone
Concen: 2.893 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

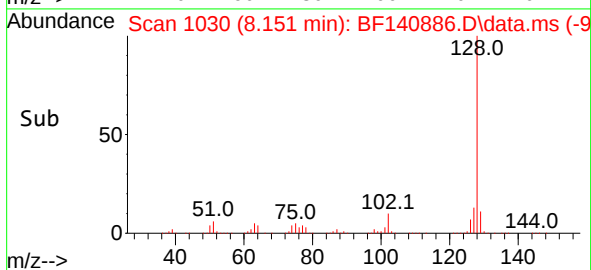
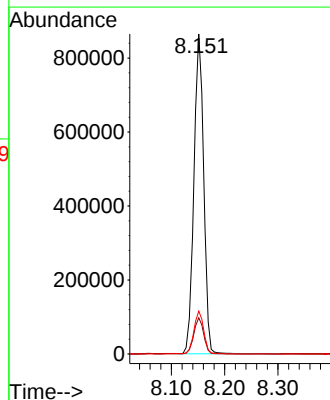
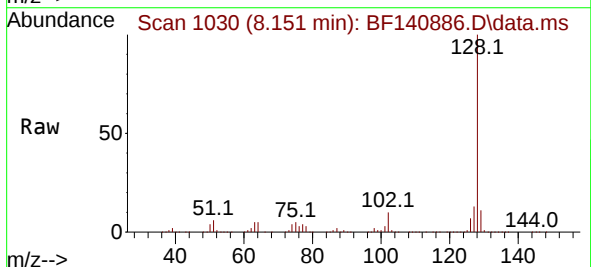
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

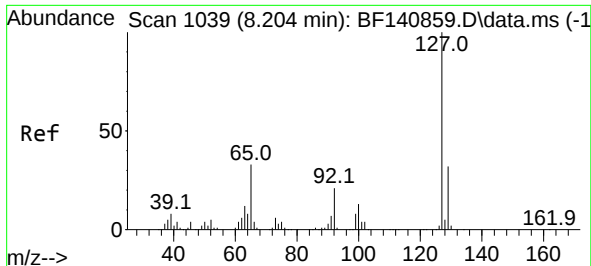
Tgt Ion: 82 Resp: 18267
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.1 21.1#



#31
Naphthalene
Concen: 106.363 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

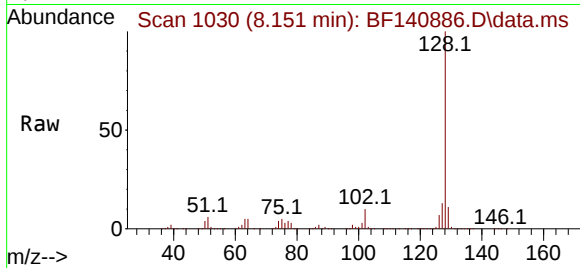
Tgt Ion:128 Resp: 1101533
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.4 10.6 16.0



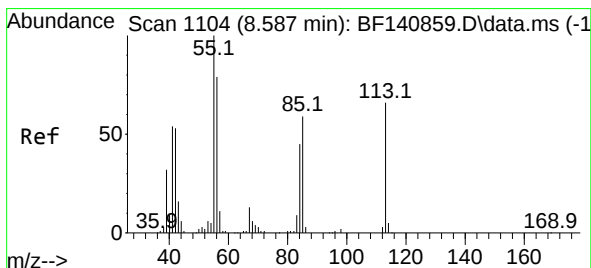
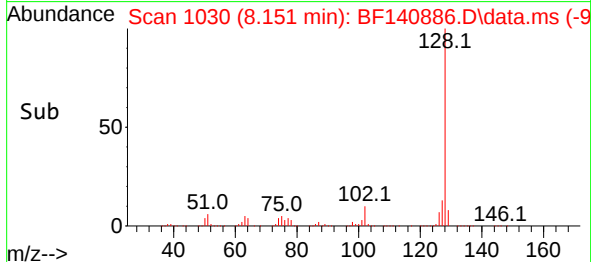
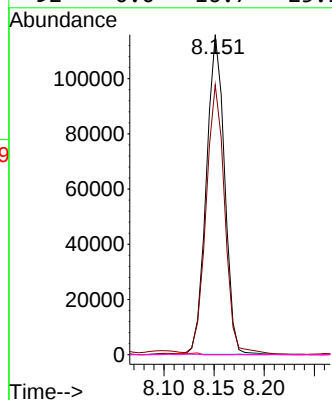


#33
4-Chloroaniline
Concen: 42.627 ng
RT: 8.151 min Scan# 110
Delta R.T. -0.053 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

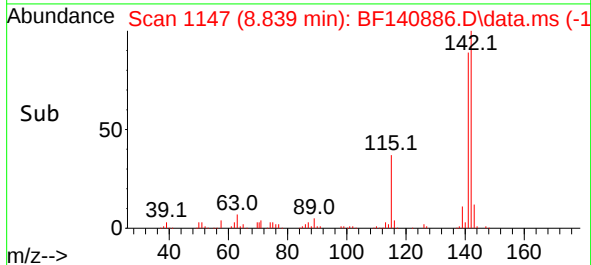
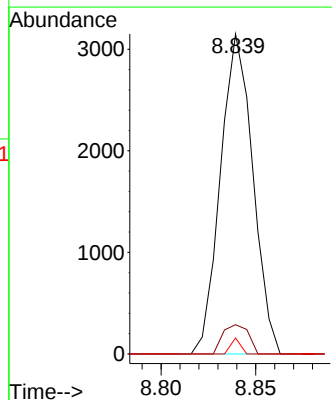
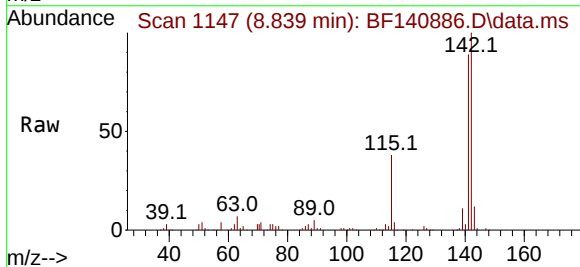


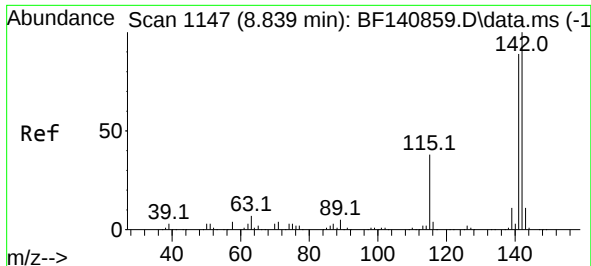
Tgt Ion:	127	Resp:	146619
Ion	Ratio	Lower	Upper
127	100		
129	84.4	26.0	39.0#
65	0.0	26.0	39.0#
92	0.0	16.7	25.1#



#35
Caprolactam
Concen: 4.393 ng
RT: 8.839 min Scan# 1147
Delta R.T. 0.253 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Tgt Ion:	113	Resp:	3749
Ion	Ratio	Lower	Upper
113	100		
55	9.1	132.3	172.3#
56	5.0	100.3	140.3#





#37

2-Methylnaphthalene

Concen: 22.826 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

Instrument :

BNA_F

ClientSampleId :

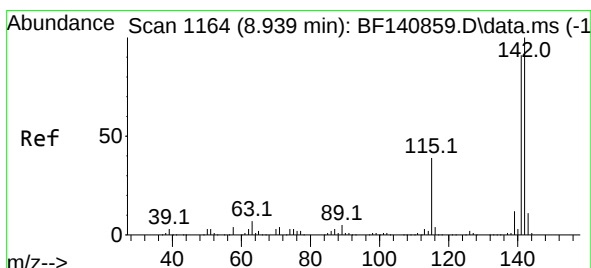
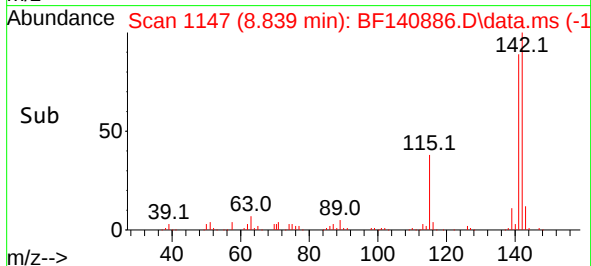
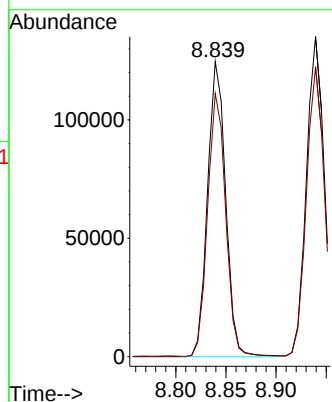
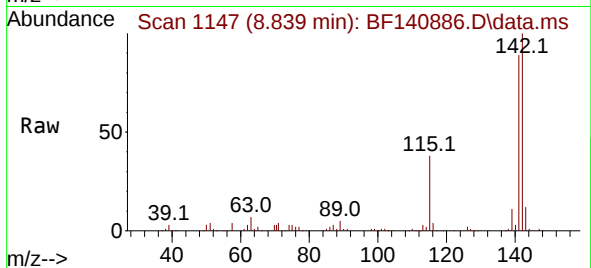
MW14-20241212DL

Tgt Ion:142 Resp: 156375

Ion Ratio Lower Upper

142 100

141 89.2 71.0 106.6



#38

1-Methylnaphthalene

Concen: 24.910 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140886.D

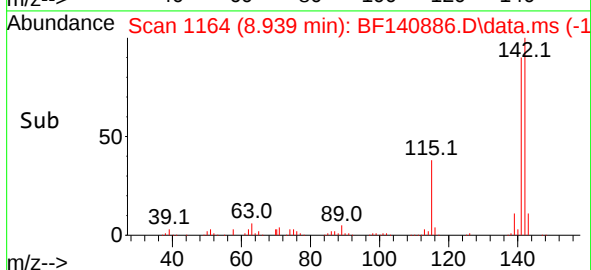
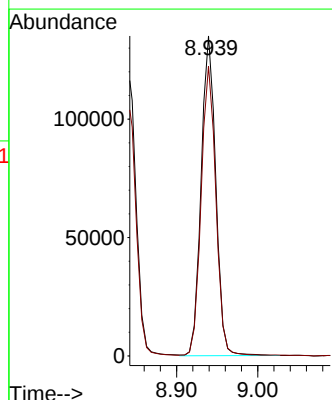
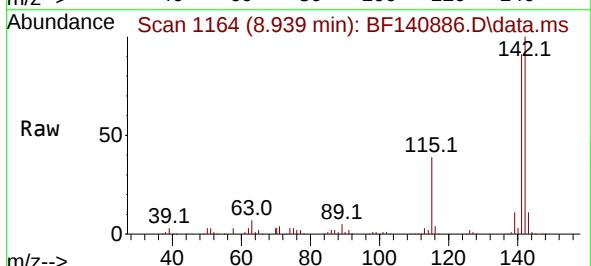
Acq: 17 Dec 2024 15:38

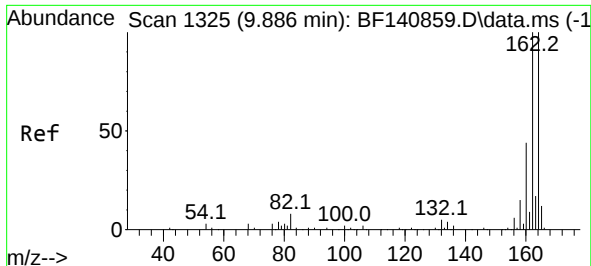
Tgt Ion:142 Resp: 168773

Ion Ratio Lower Upper

142 100

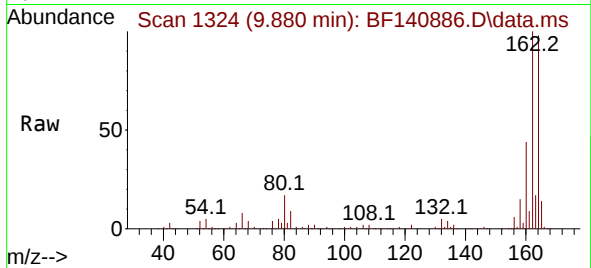
141 90.6 73.4 110.0



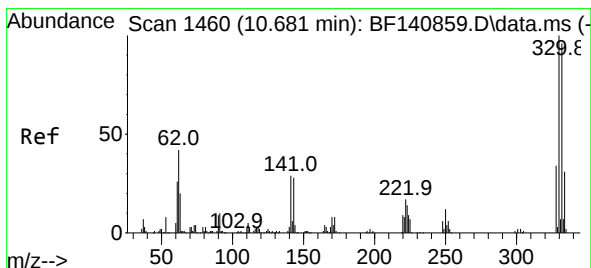
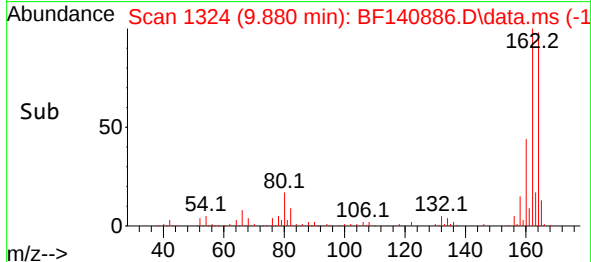
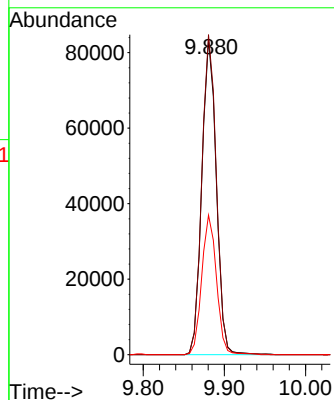


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

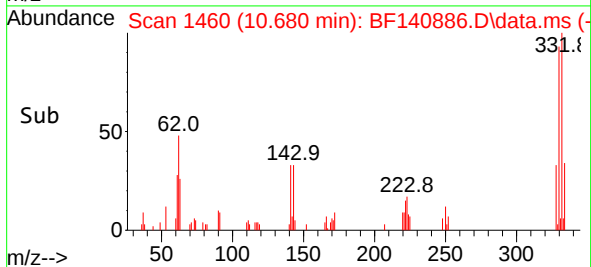
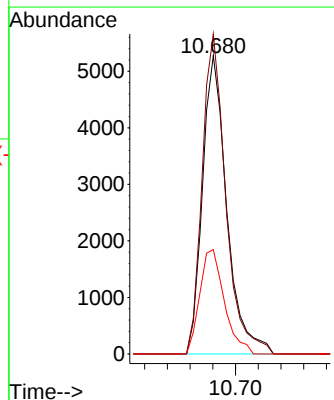
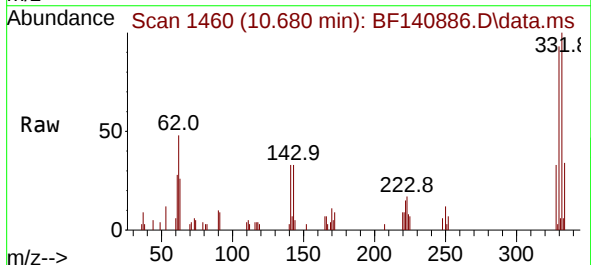


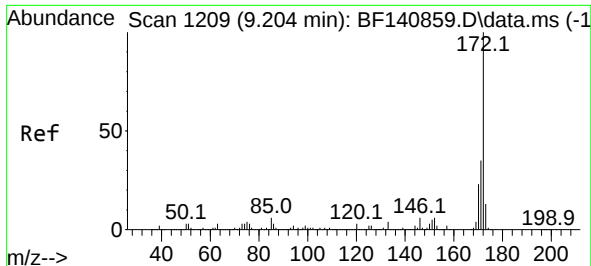
Tgt Ion:164 Resp: 103517
Ion Ratio Lower Upper
164 100
162 101.6 79.9 119.9
160 44.3 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 6.403 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Tgt Ion:330 Resp: 7839
Ion Ratio Lower Upper
330 100
332 103.9 76.2 114.4
141 35.4 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 5.612 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

Instrument :

BNA_F

ClientSampleId :

MW14-20241212DL

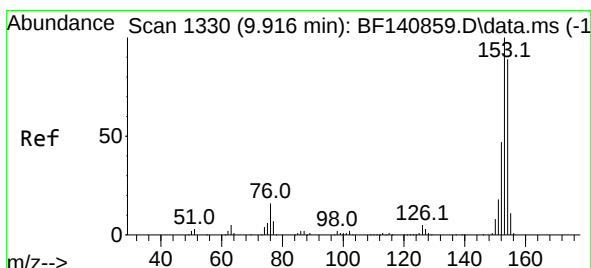
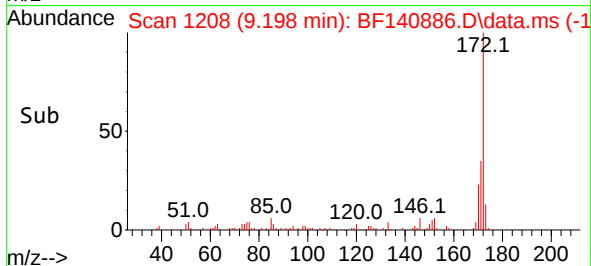
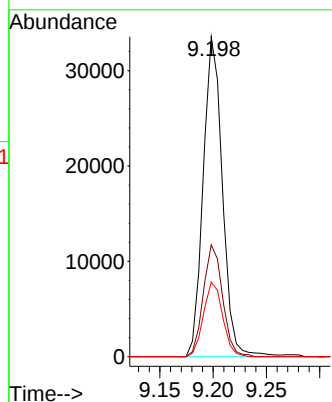
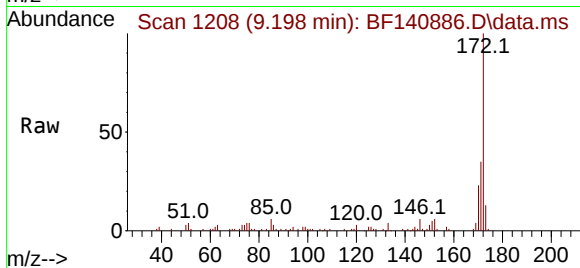
Tgt Ion:172 Resp: 42252

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.3 18.6 28.0



#52

Acenaphthene

Concen: 5.742 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

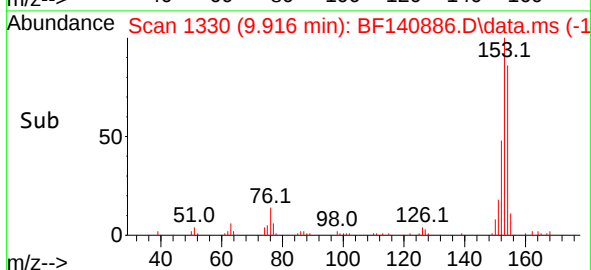
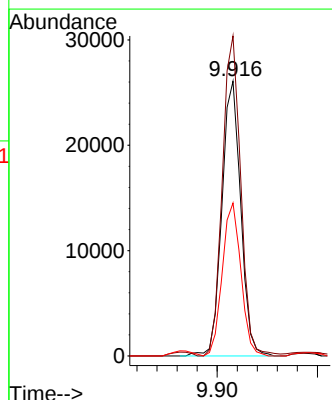
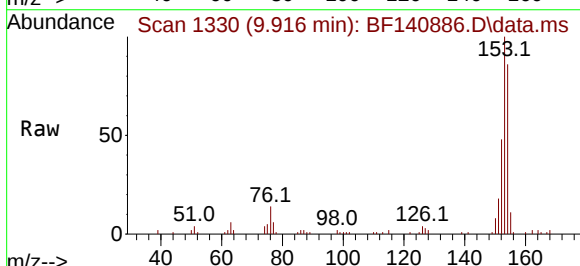
Tgt Ion:154 Resp: 33944

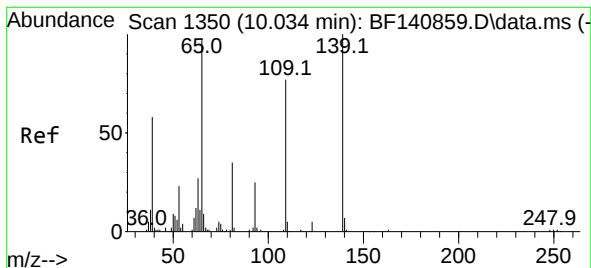
Ion Ratio Lower Upper

154 100

153 116.5 89.9 134.9

152 55.7 42.6 63.8

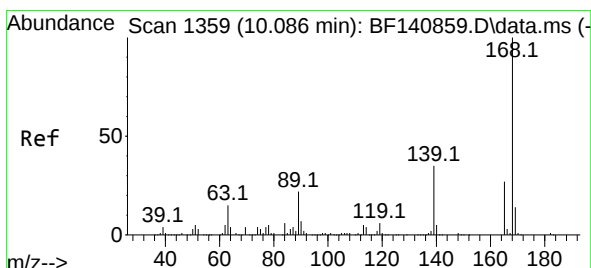
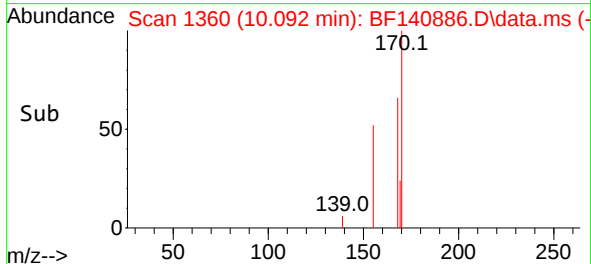
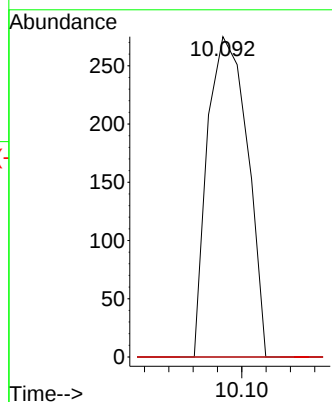
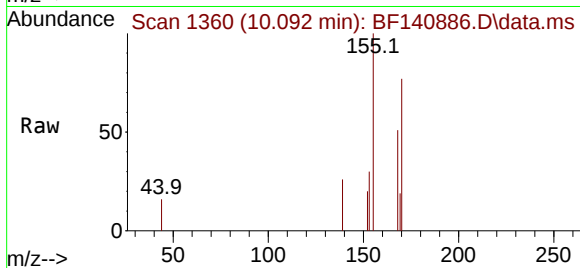




#56
4-Nitrophenol
Concen: 4.774 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

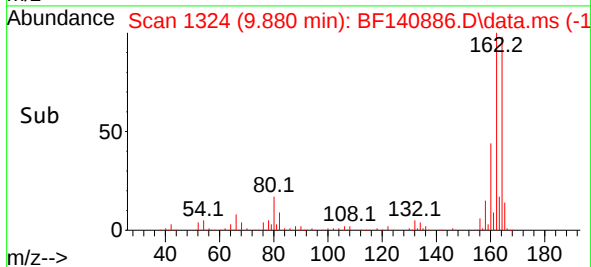
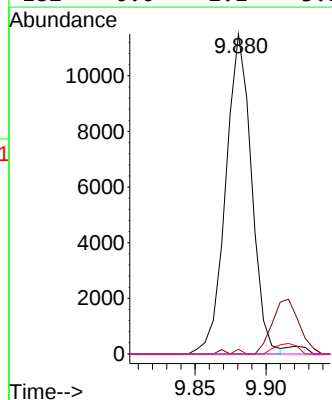
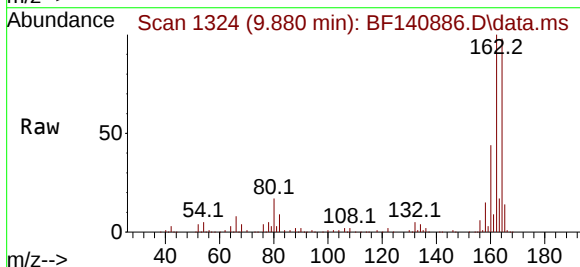
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

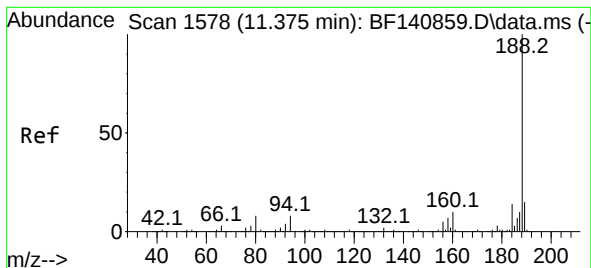
Tgt Ion:139 Resp: 313
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 6.597 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Tgt Ion:165 Resp: 14481
Ion Ratio Lower Upper
165 100
63 0.0 49.3 73.9#
89 1.4 66.2 99.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

Instrument :

BNA_F

ClientSampleId :

MW14-20241212DL

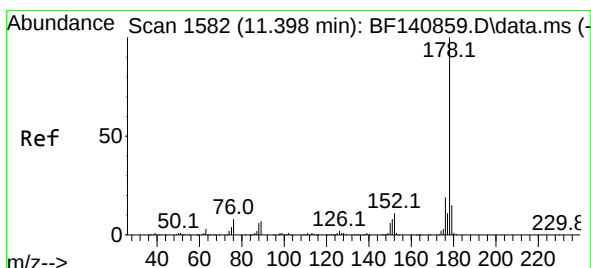
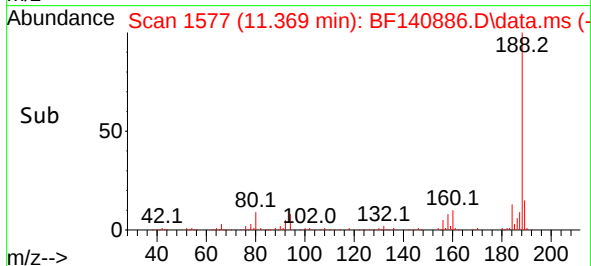
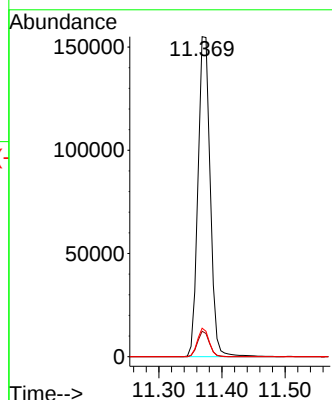
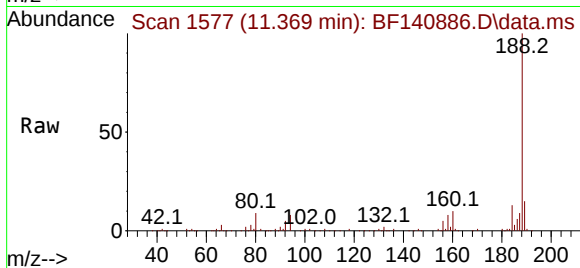
Tgt Ion:188 Resp: 207798

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.9 6.8 10.2



#71

Phenanthrene

Concen: 2.897 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF140886.D

Acq: 17 Dec 2024 15:38

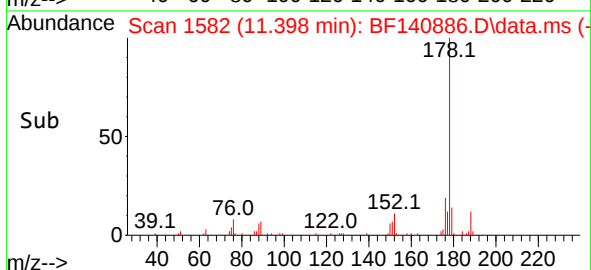
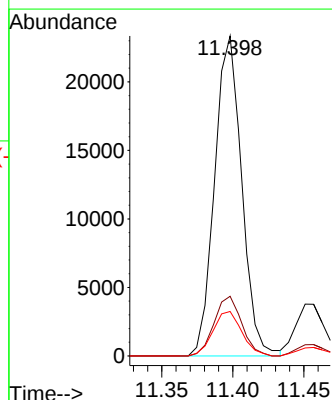
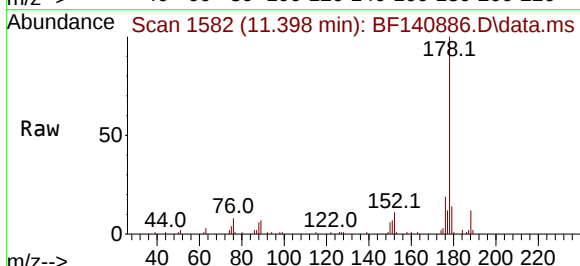
Tgt Ion:178 Resp: 30962

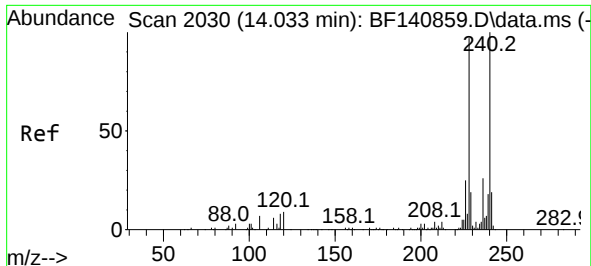
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

179 13.9 12.1 18.1

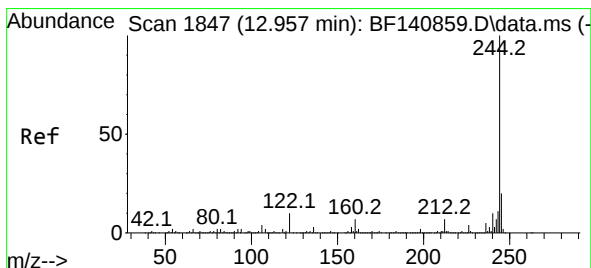
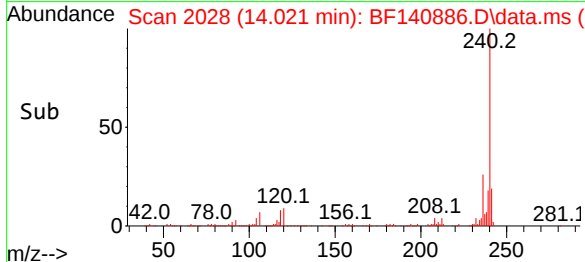
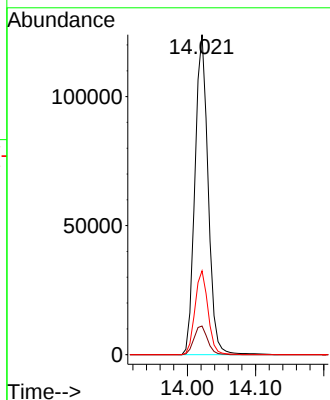
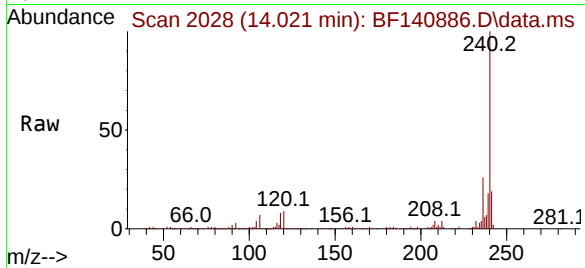




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

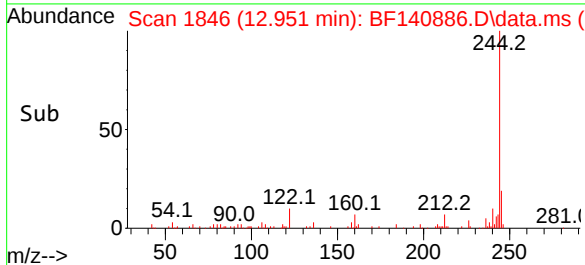
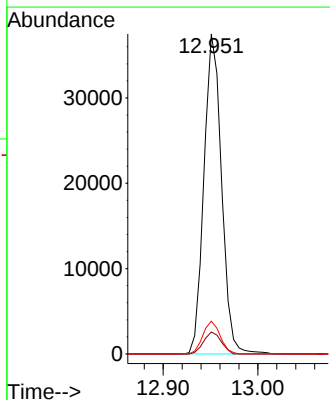
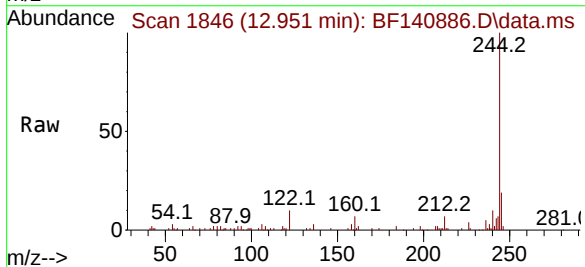
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

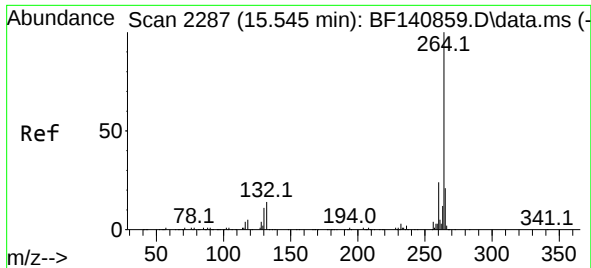
Tgt Ion:240 Resp: 165506
Ion Ratio Lower Upper
240 100
120 8.9 7.6 11.4
236 26.2 20.5 30.7



#79
Terphenyl-d14
Concen: 4.605 ng
RT: 12.951 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

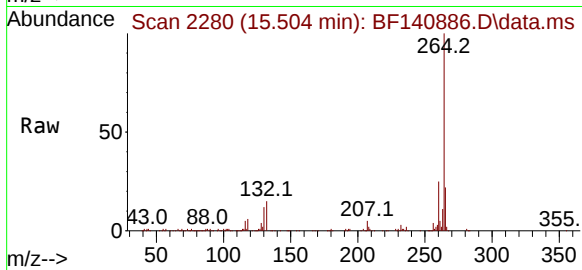
Tgt Ion:244 Resp: 48334
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.3 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF140886.D
 Acq: 17 Dec 2024 15:38

Instrument :
 BNA_F
 ClientSampleId :
 MW14-20241212DL



Tgt Ion:264 Resp: 183677
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.1 28.7
 265 21.5 17.0 25.4

