

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)

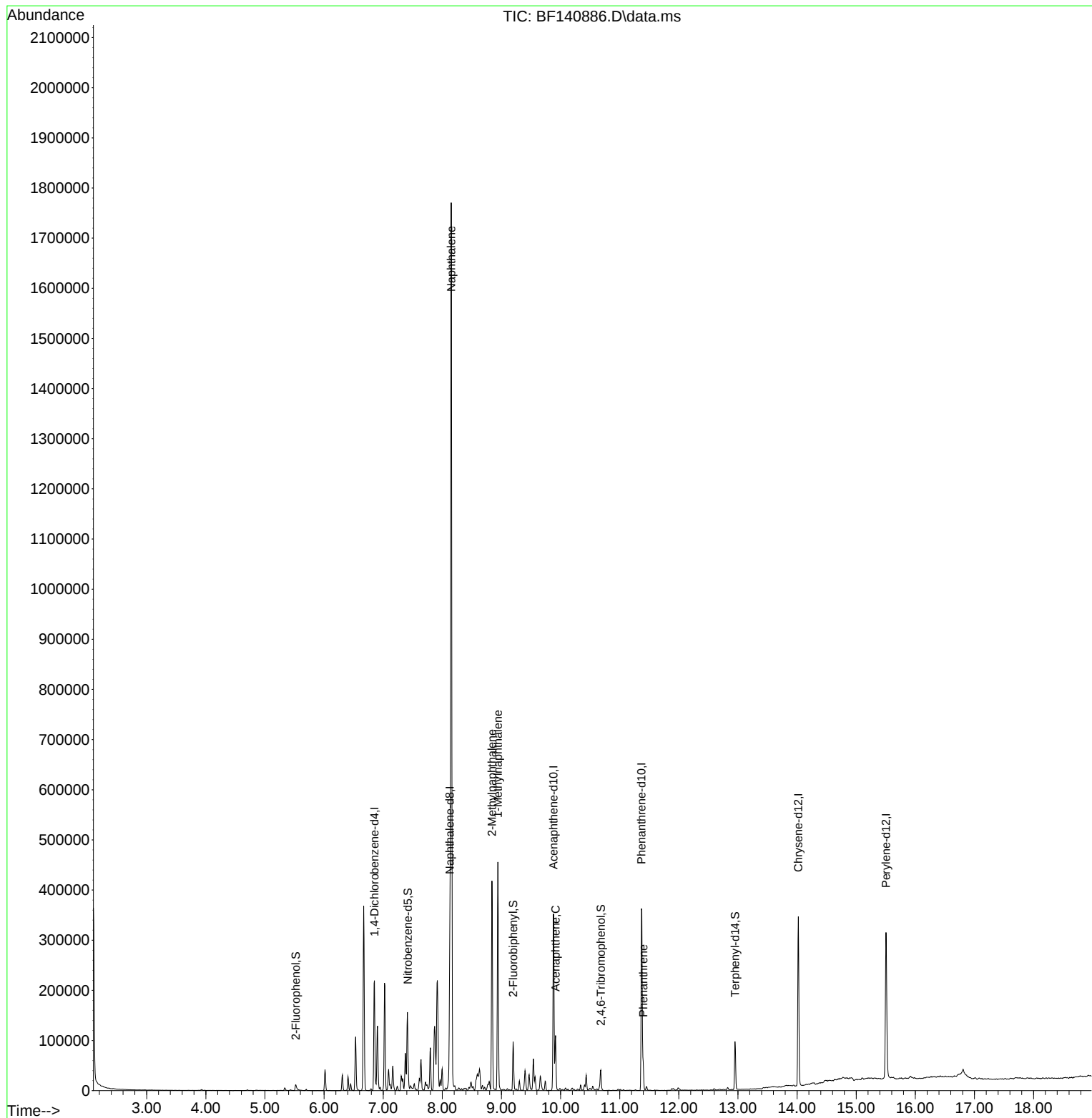
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	50750	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	188533	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	103517	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	207798	20.000	ng	0.00
76) Chrysene-d12	14.021	240	165506	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.151	128	1101533	106.363	ng	100
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
71) Phenanthrene	11.398	178	30962	2.897	ng	98

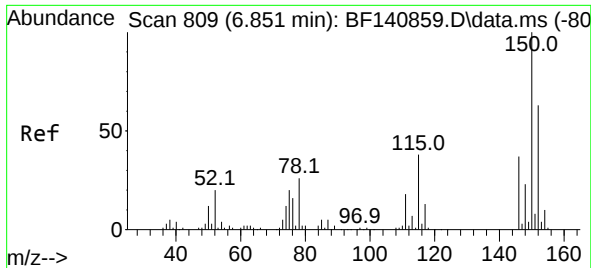
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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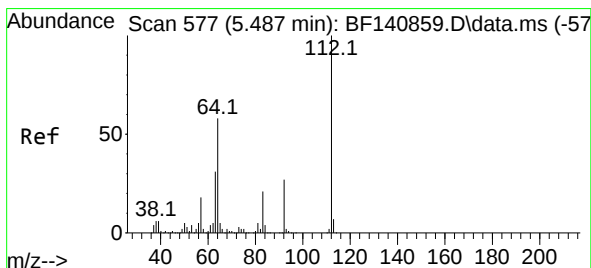
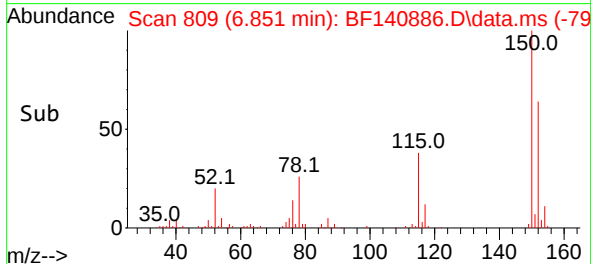
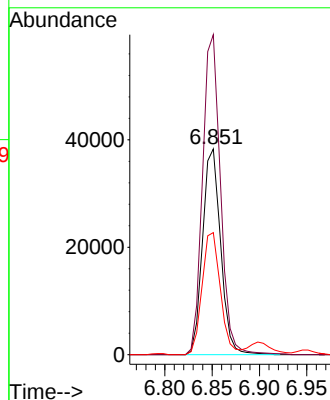
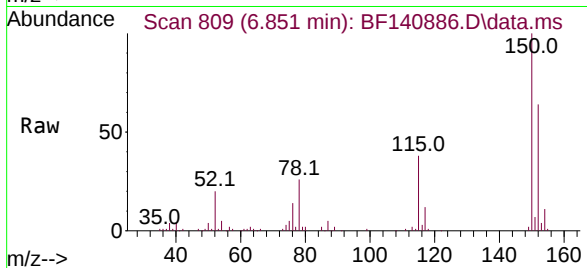




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

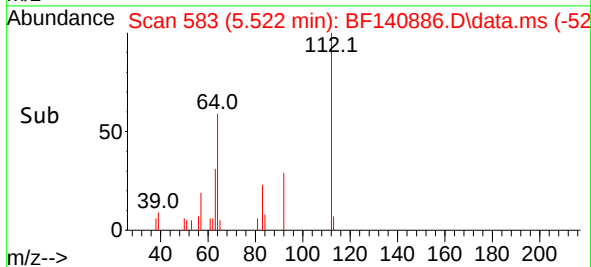
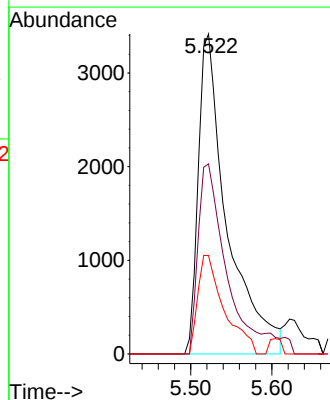
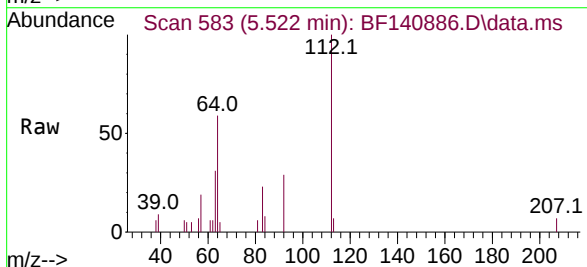
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

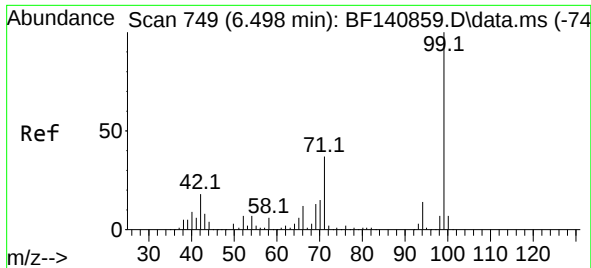
Tgt Ion:152 Resp: 50750
Ion Ratio Lower Upper
152 100
150 155.6 127.9 191.9
115 59.4 48.0 72.0



#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

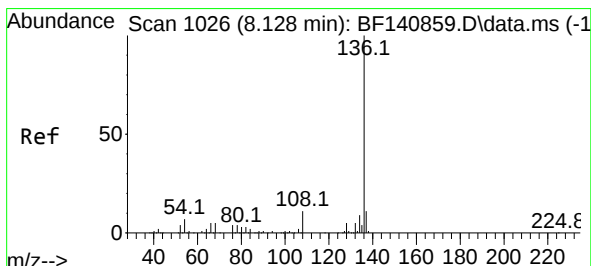
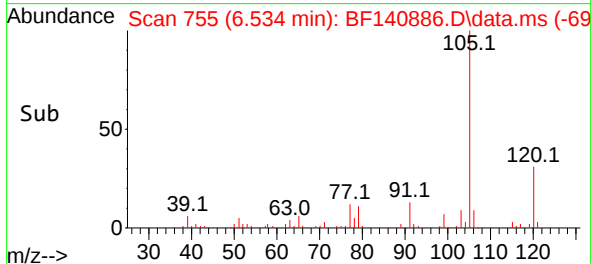
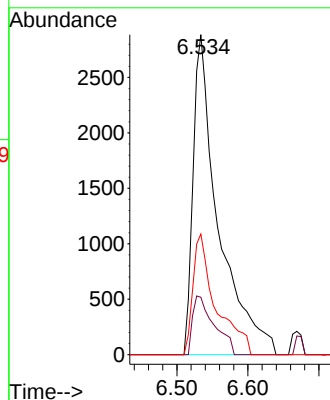
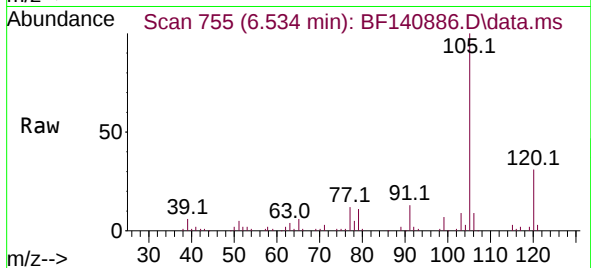




#7
Phenol-d6
Concen: 1.745 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.035 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

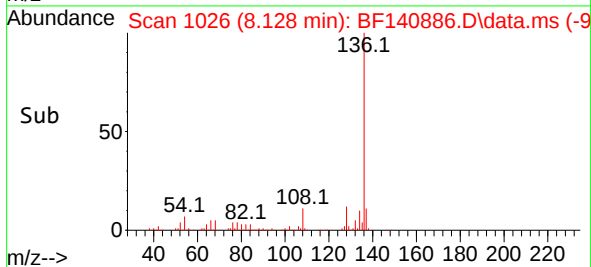
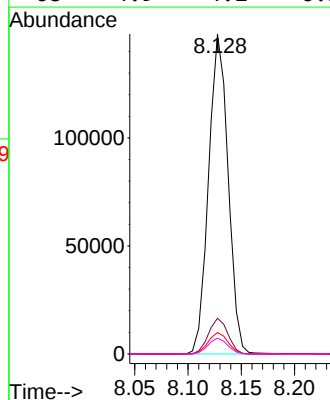
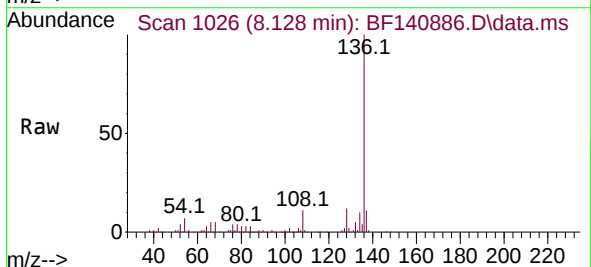
Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

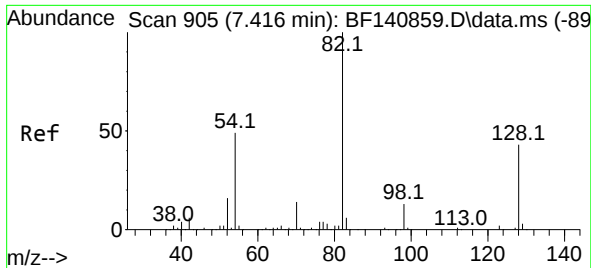
Tgt Ion: 99	Resp: 7126
Ion Ratio	Lower Upper
99 100	
42 17.9	14.3 21.5
71 37.7	29.9 44.9



#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

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

Instrument :

BNA_F

ClientSampleId :

MW14-20241212DL

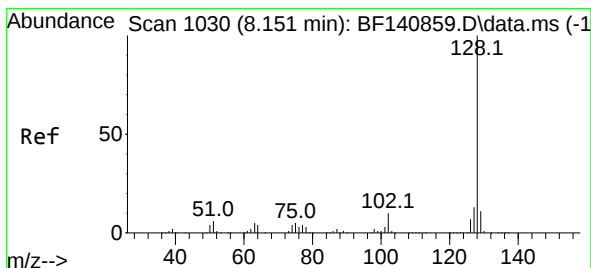
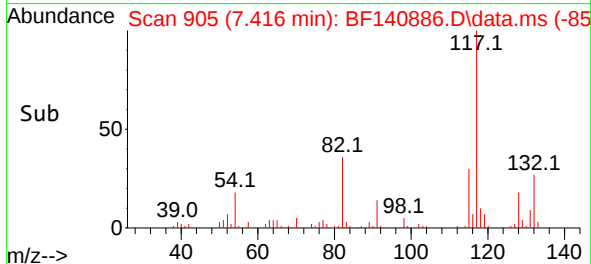
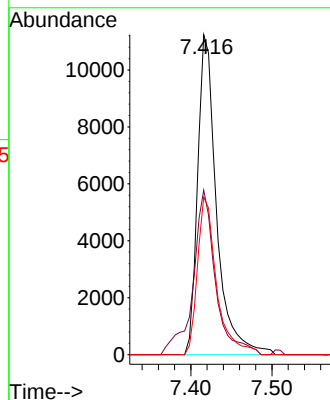
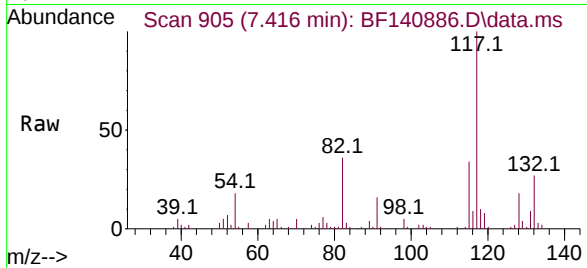
Tgt Ion: 82 Resp: 18267

Ion Ratio Lower Upper

82 100

128 51.4 34.4 51.6

54 49.3 38.8 58.2



#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

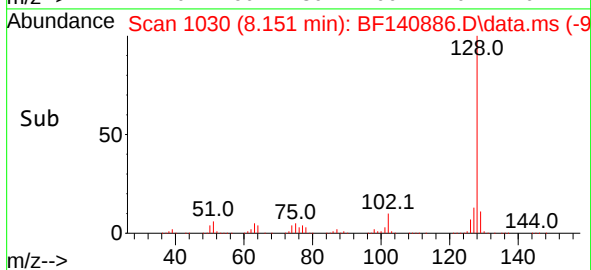
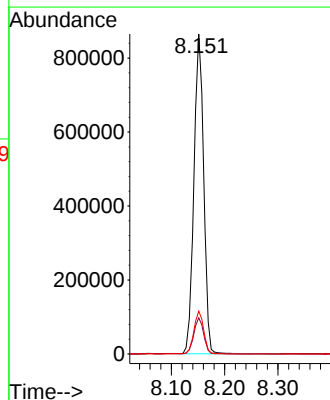
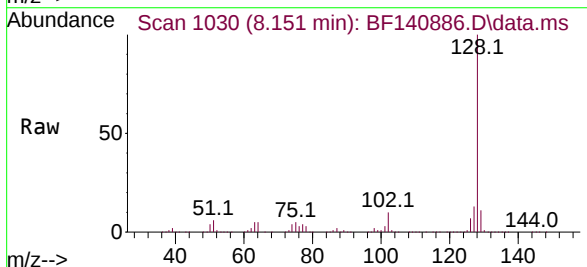
Tgt Ion:128 Resp: 1101533

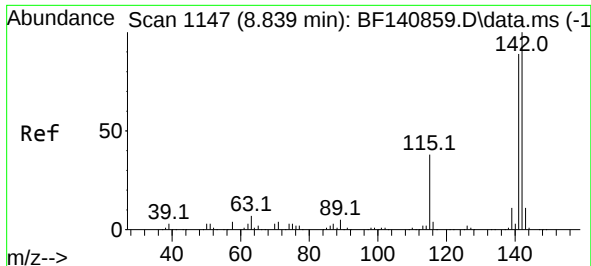
Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.4 10.6 16.0





#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 :

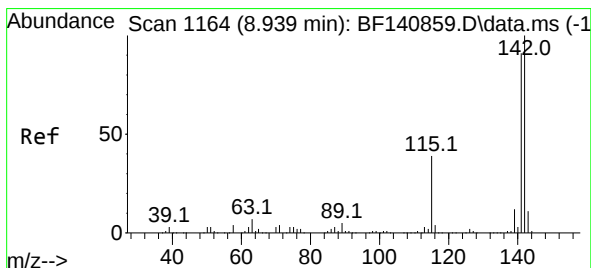
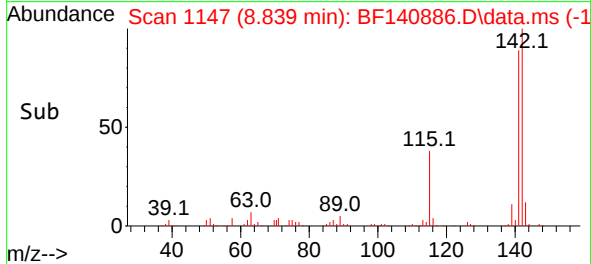
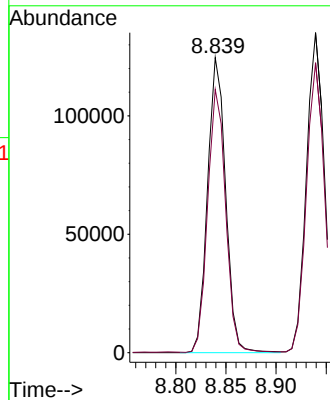
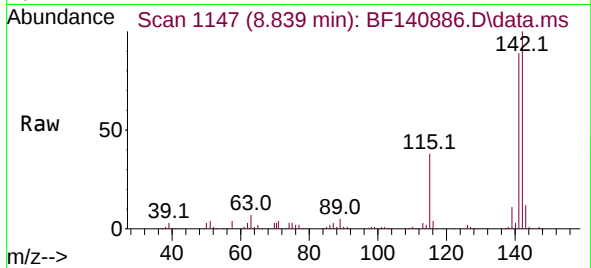
MW14-20241212DL

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

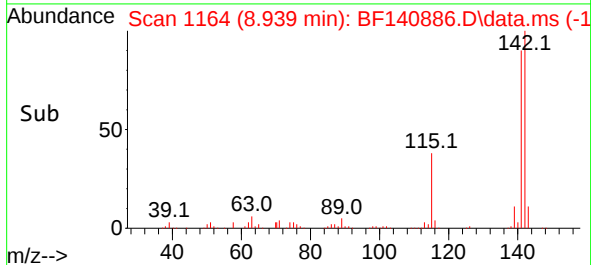
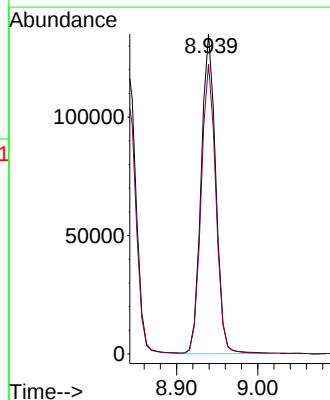
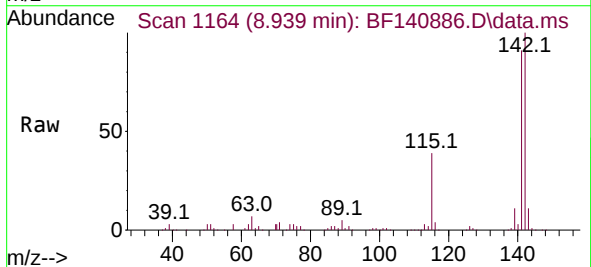
Acq: 17 Dec 2024 15:38

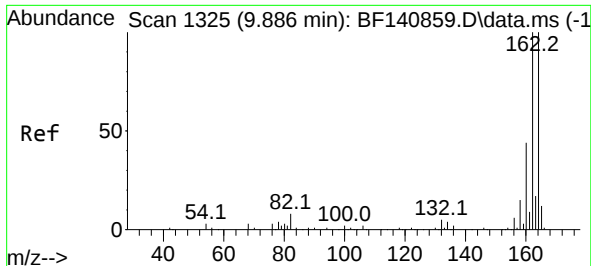
Tgt Ion:142 Resp: 168773

Ion Ratio Lower Upper

142 100

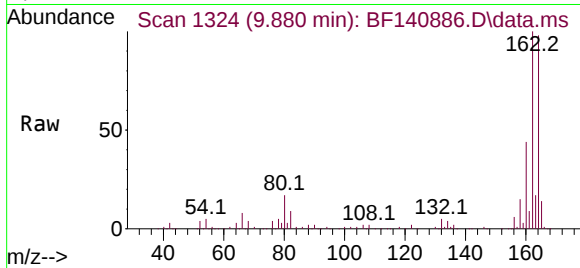
141 90.6 73.4 110.0



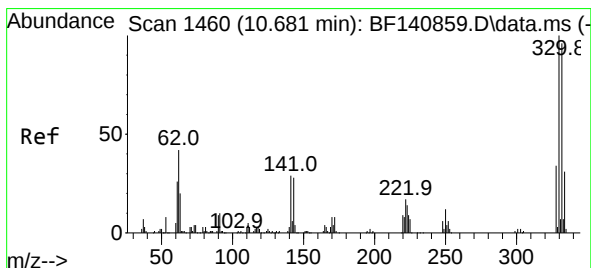
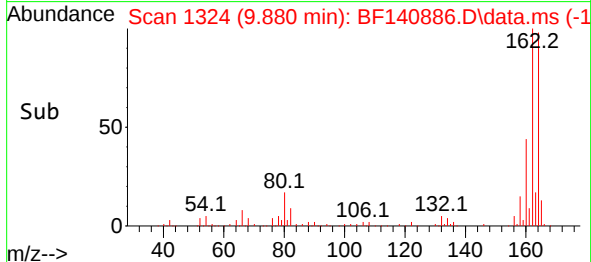
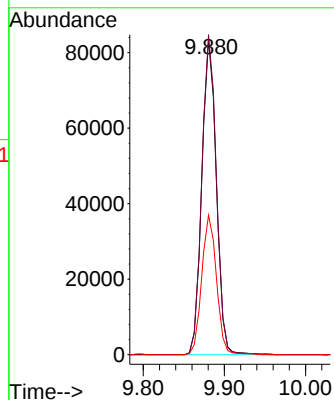


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140886.D
Acq: 17 Dec 2024 15:38

Instrument :
BNA_F
ClientSampleId :
MW14-20241212DL

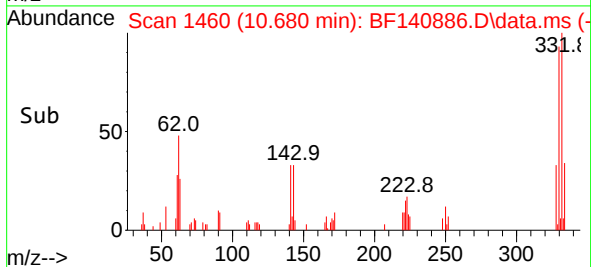
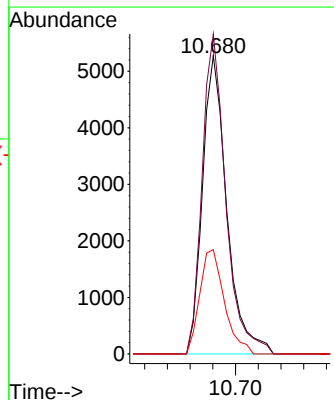
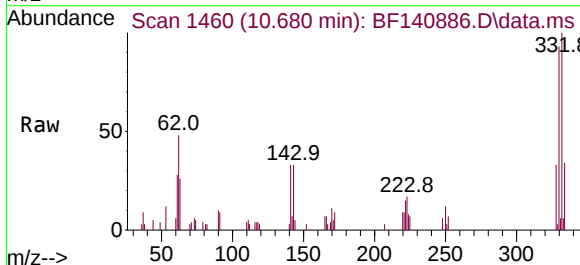


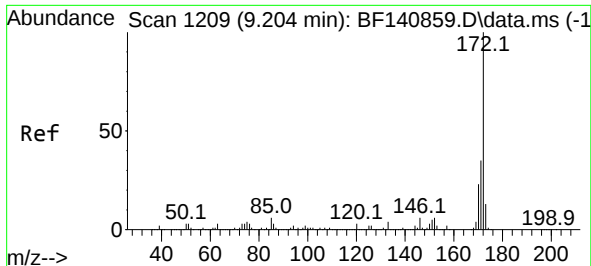
Tgt Ion:164 Resp: 103517
Ion Ratio Lower Upper
164 100
162 101.6 79.9 119.9
160 44.3 35.2 52.8



#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

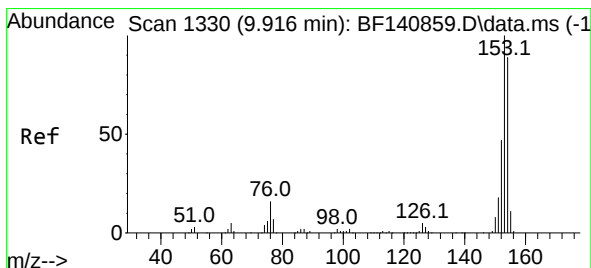
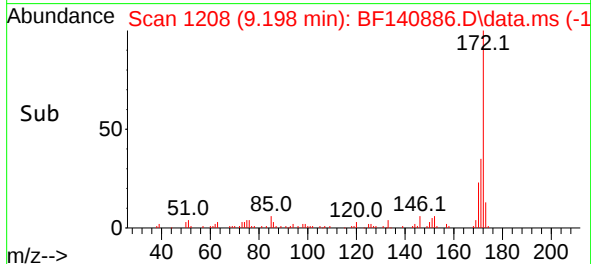
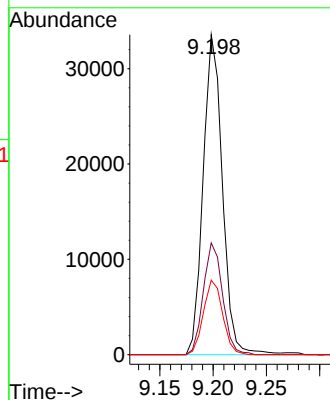
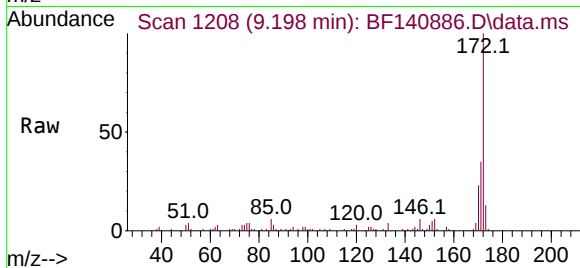
Tgt Ion:172 Resp: 42252

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

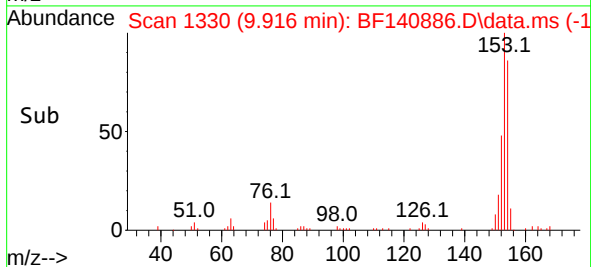
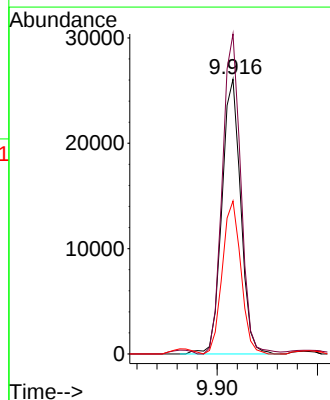
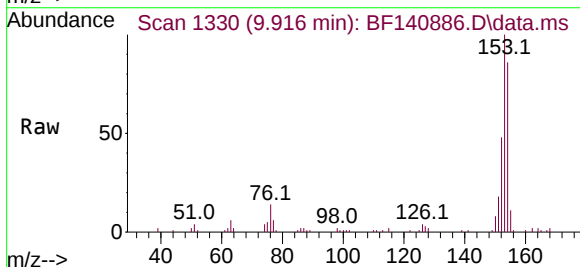
Tgt Ion:154 Resp: 33944

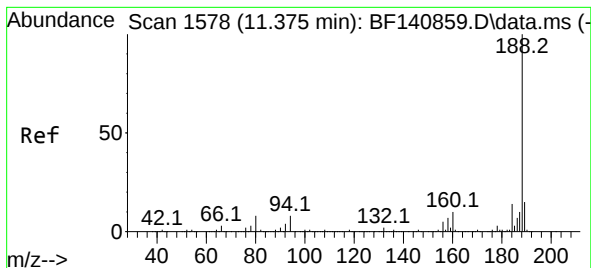
Ion Ratio Lower Upper

154 100

153 116.5 89.9 134.9

152 55.7 42.6 63.8





#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 :

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ClientSampleId :

MW14-20241212DL

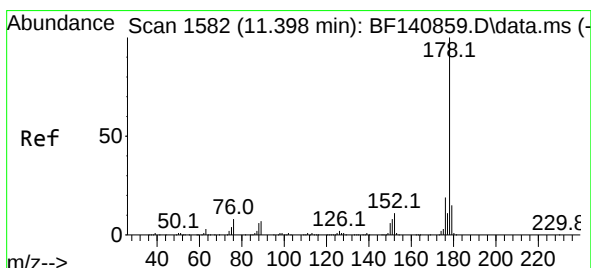
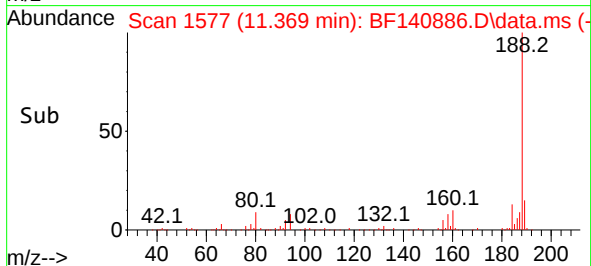
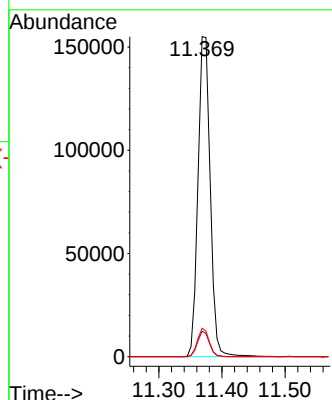
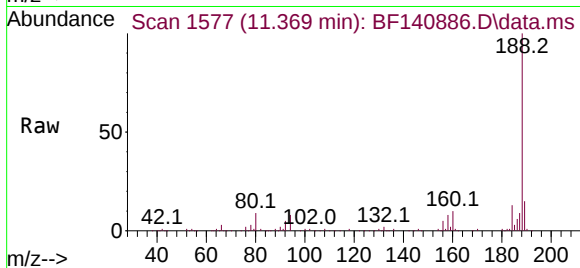
Tgt Ion:188 Resp: 207798

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

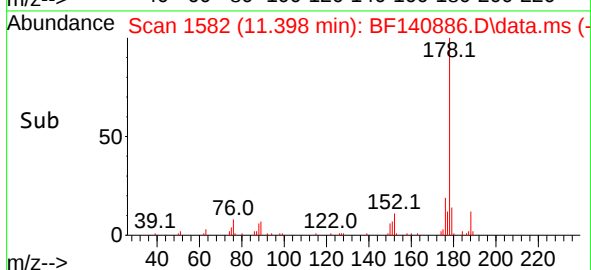
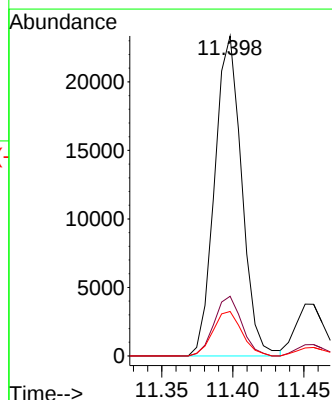
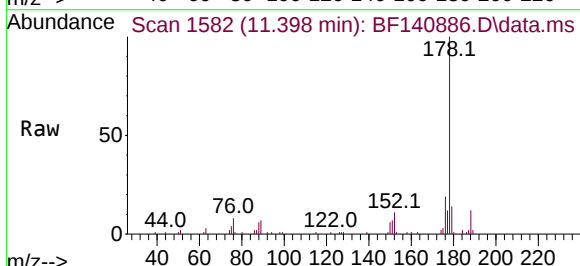
Tgt Ion:178 Resp: 30962

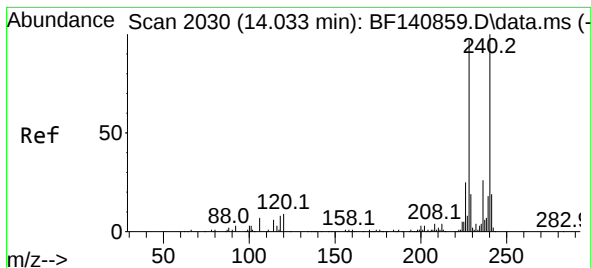
Ion Ratio Lower Upper

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

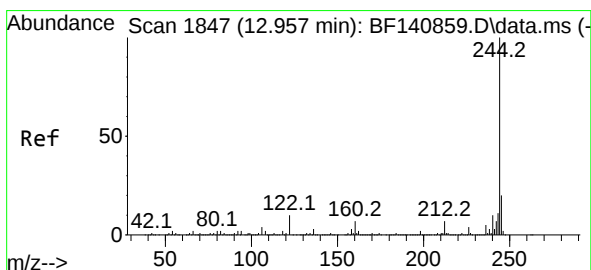
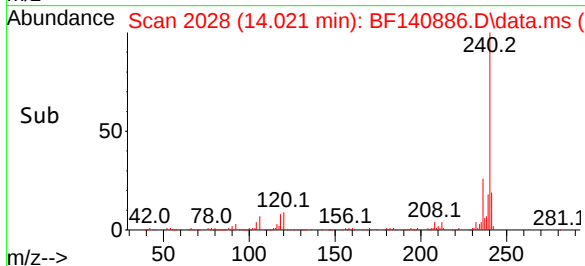
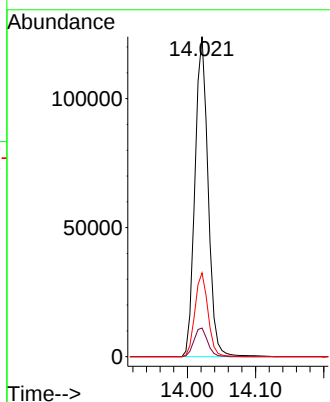
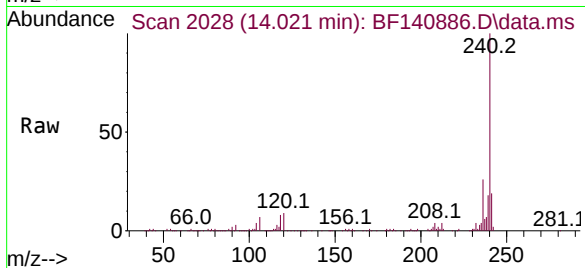
Tgt Ion:240 Resp: 165506

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

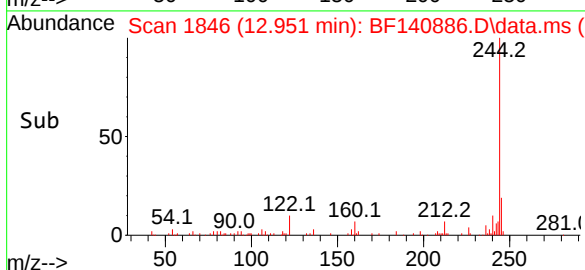
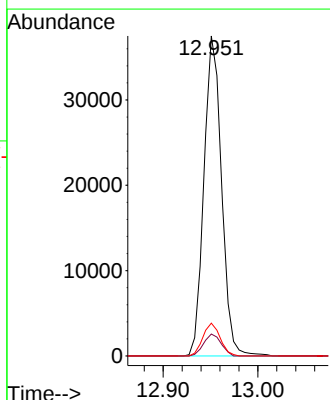
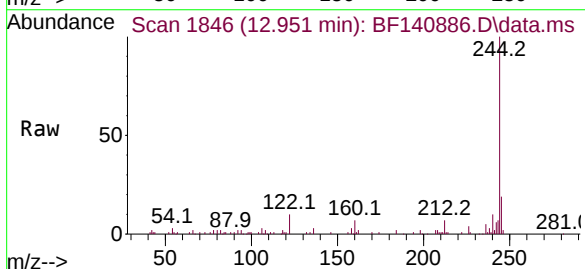
Tgt Ion:244 Resp: 48334

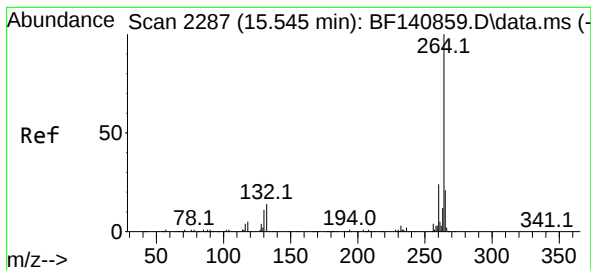
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

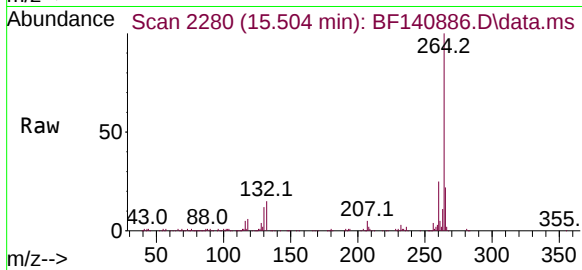
122 10.3 8.2 12.2





#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

