

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140885.D
 Acq On : 17 Dec 2024 15:12
 Operator : RC/JU
 Sample : P5270-07DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212DL

Quant Time: Dec 17 15:37:42 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)

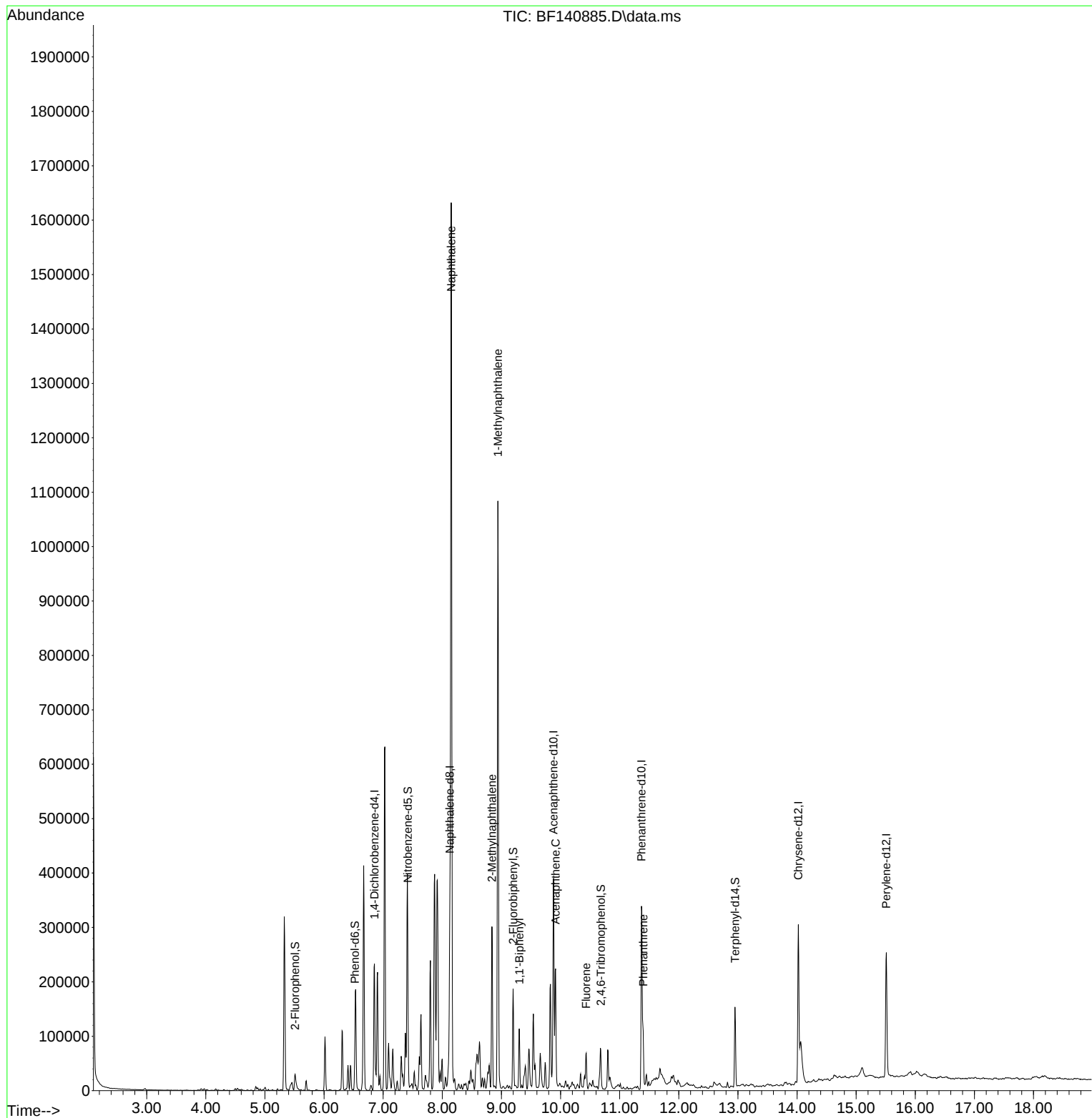
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	51871	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	191262	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	103044	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	183841	20.000	ng	0.00
76) Chrysene-d12	14.022	240	133693	20.000	ng	-0.01
86) Perylene-d12	15.510	264	142721	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	18952	6.015	ng	0.02
7) Phenol-d6	6.522	99	13698	3.282	ng	0.02
23) Nitrobenzene-d5	7.416	82	35254	9.222	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	13526	11.099	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	77247	10.307	ng	0.00
79) Terphenyl-d14	12.951	244	71093	8.385	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.151	128	1006135	95.766	ng	100
37) 2-Methylnaphthalene	8.839	142	109006	15.685	ng	98
38) 1-Methylnaphthalene	8.939	142	404096	58.792	ng	99
46) 1,1'-Biphenyl	9.304	154	51877	6.331	ng	97
52) Acenaphthene	9.916	154	64096	10.893	ng	98
58) Fluorene	10.434	166	35159	4.674	ng	95
71) Phenanthrene	11.398	178	56926	6.021	ng	99

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

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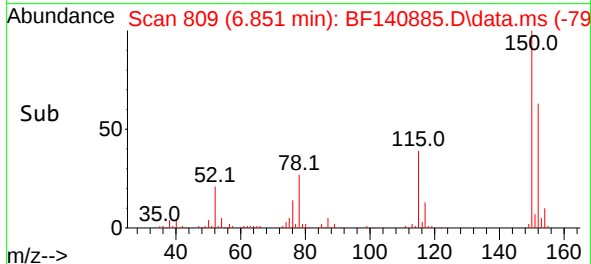
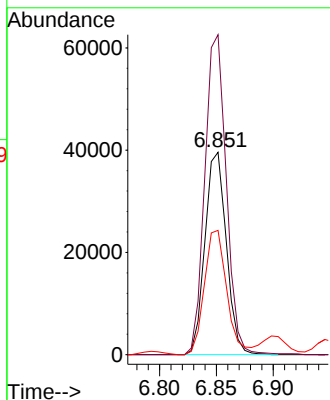
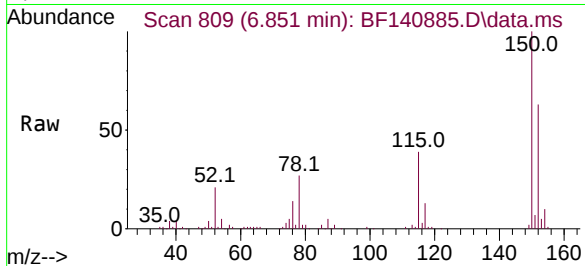




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

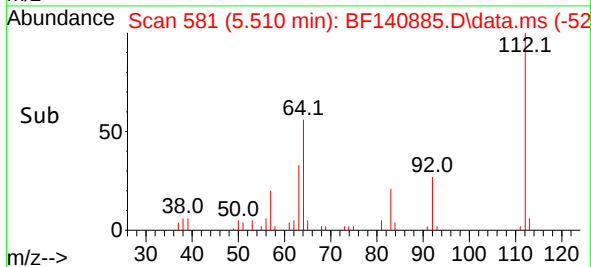
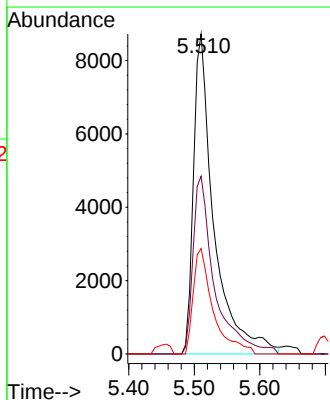
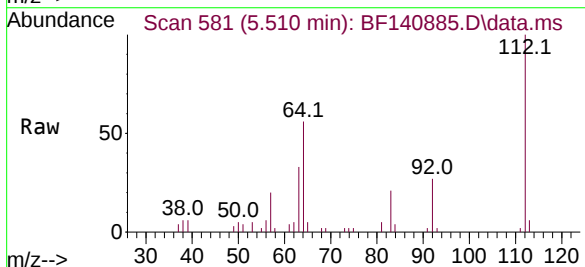
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

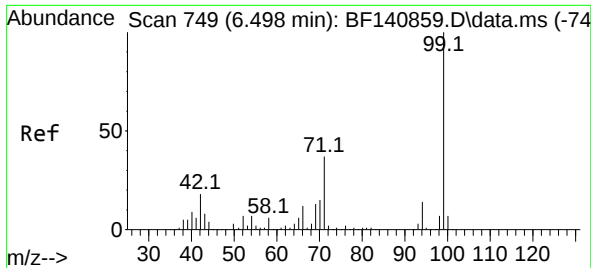
Tgt Ion:152 Resp: 51871
Ion Ratio Lower Upper
152 100
150 158.1 127.9 191.9
115 61.4 48.0 72.0



#5
2-Fluorophenol
Concen: 6.015 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.024 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Tgt Ion:112 Resp: 18952
Ion Ratio Lower Upper
112 100
64 55.6 46.1 69.1
63 33.0 24.9 37.3

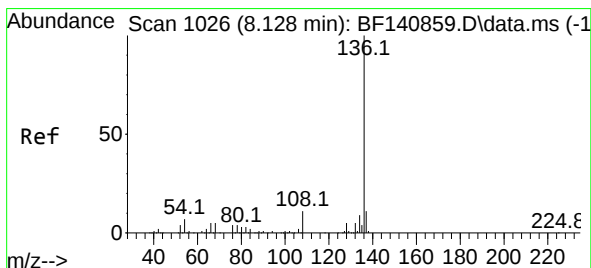
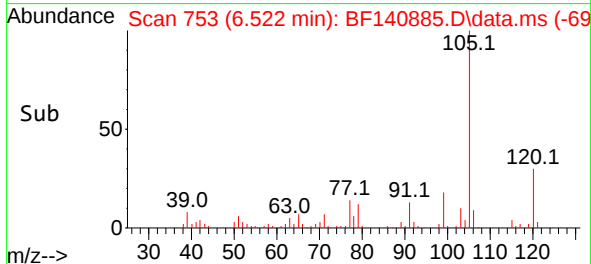
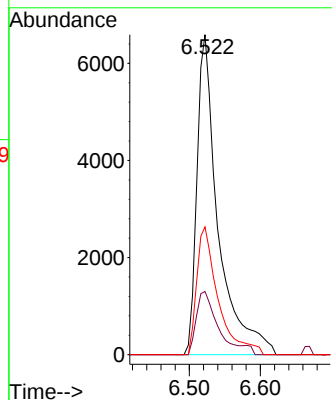
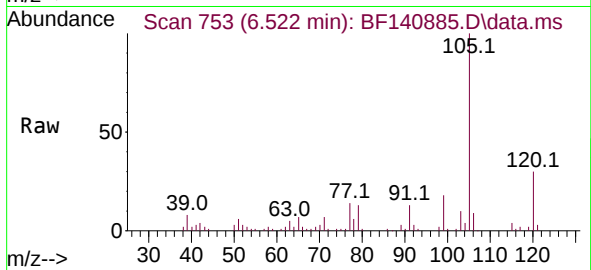




#7
Phenol-d6
Concen: 3.282 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.024 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

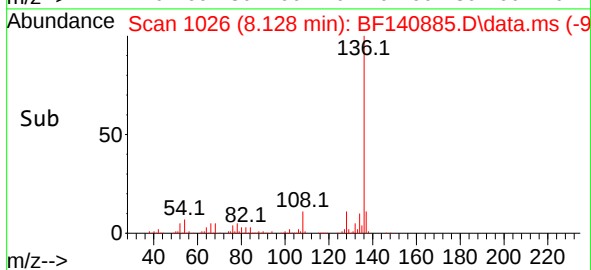
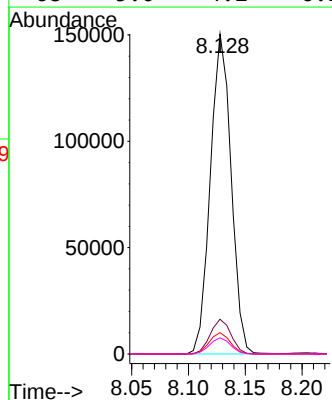
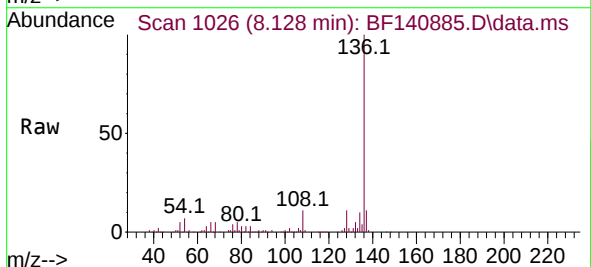
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

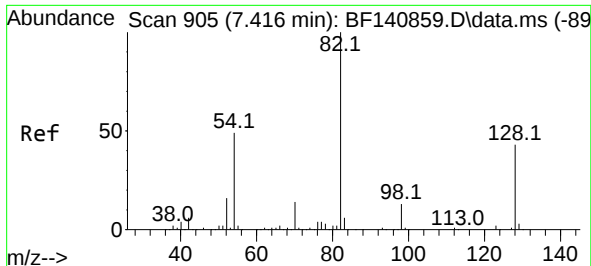
Tgt Ion: 99 Resp: 13698
Ion Ratio Lower Upper
99 100
42 19.7 14.3 21.5
71 39.9 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Tgt Ion: 136 Resp: 191262
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 6.6 5.6 8.4
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 9.222 ng

RT: 7.416 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

Instrument :

BNA_F

ClientSampleId :

MW12-20241212DL

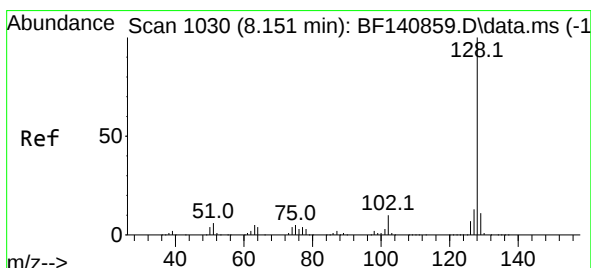
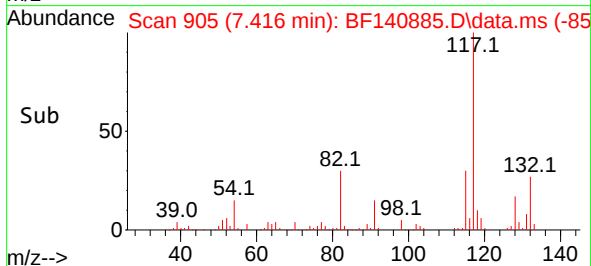
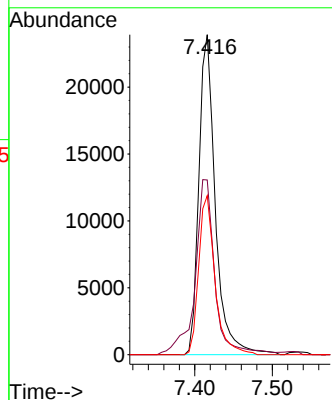
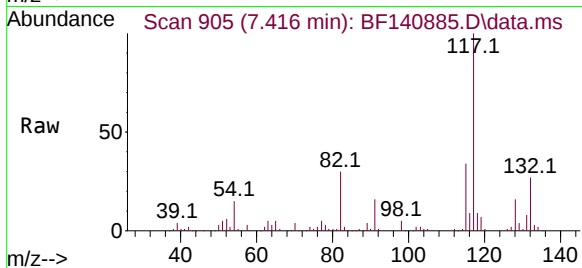
Tgt Ion: 82 Resp: 35254

Ion Ratio Lower Upper

82 100

128 54.6 34.4 51.6#

54 49.7 38.8 58.2



#31

Naphthalene

Concen: 95.766 ng

RT: 8.151 min Scan# 1030

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

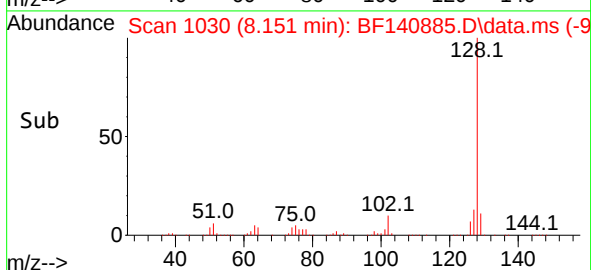
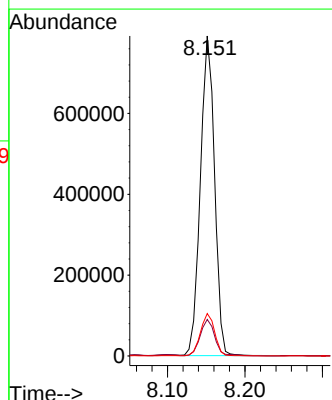
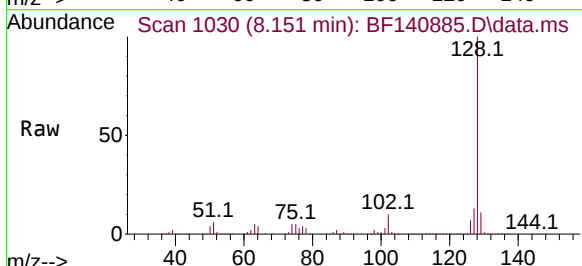
Tgt Ion:128 Resp: 1006135

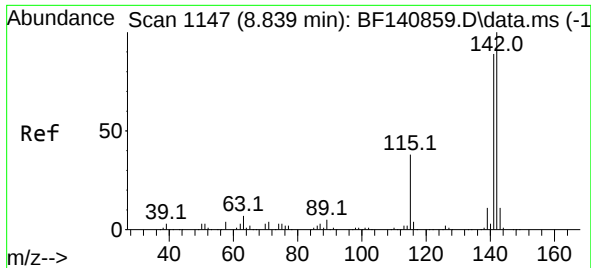
Ion Ratio Lower Upper

128 100

129 11.4 8.9 13.3

127 13.3 10.6 16.0





#37

2-Methylnaphthalene

Concen: 15.685 ng

RT: 8.839 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF140885.D

Acq: 17 Dec 2024 15:12

Instrument :

BNA_F

ClientSampleId :

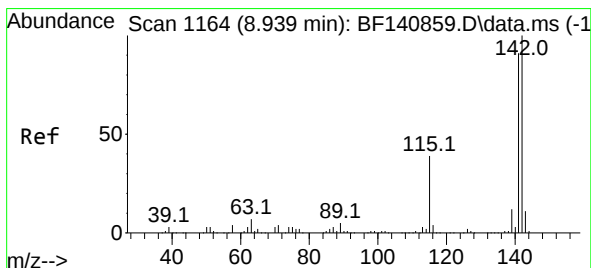
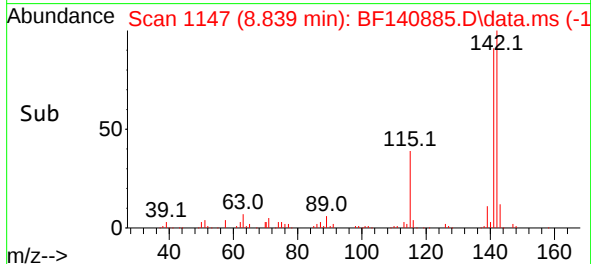
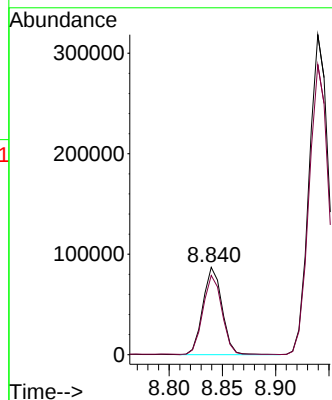
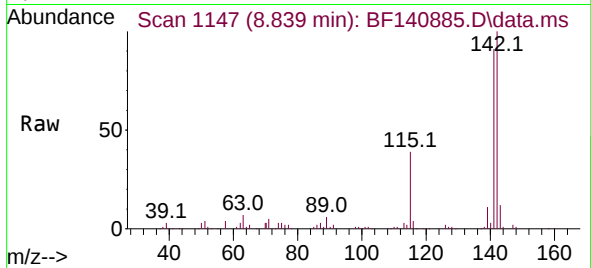
MW12-20241212DL

Tgt Ion:142 Resp: 109006

Ion Ratio Lower Upper

142 100

141 90.5 71.0 106.6



#38

1-Methylnaphthalene

Concen: 58.792 ng

RT: 8.939 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF140885.D

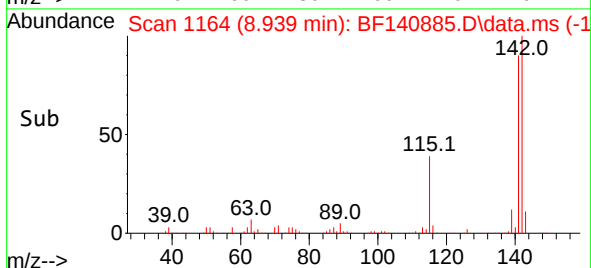
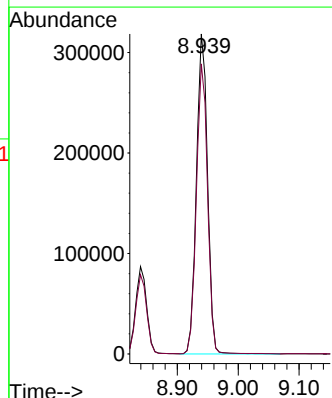
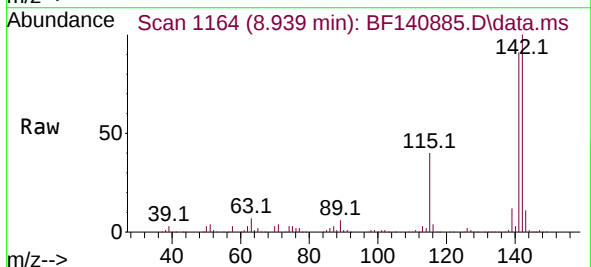
Acq: 17 Dec 2024 15:12

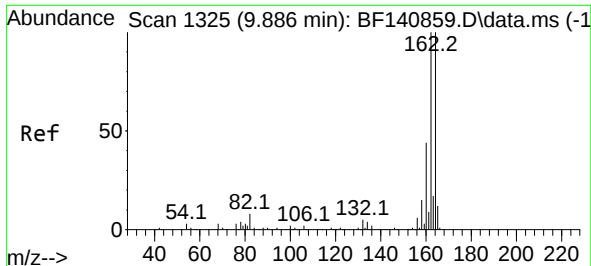
Tgt Ion:142 Resp: 404096

Ion Ratio Lower Upper

142 100

141 90.6 73.4 110.0

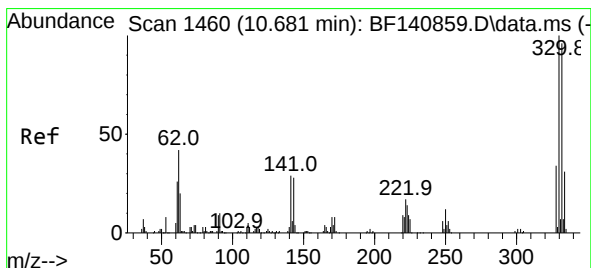
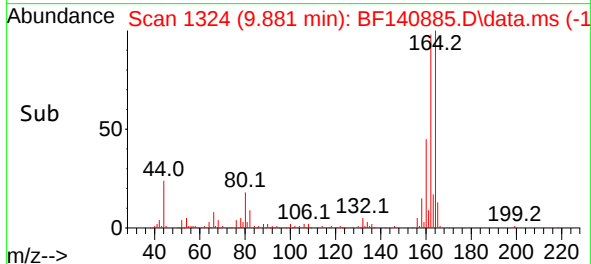
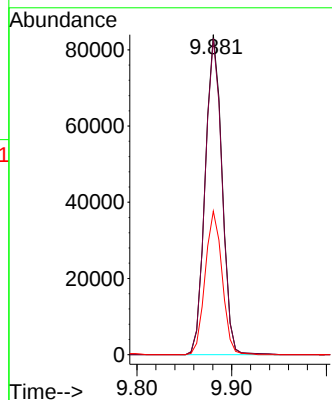
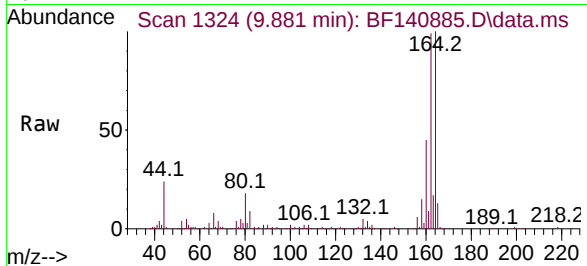




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

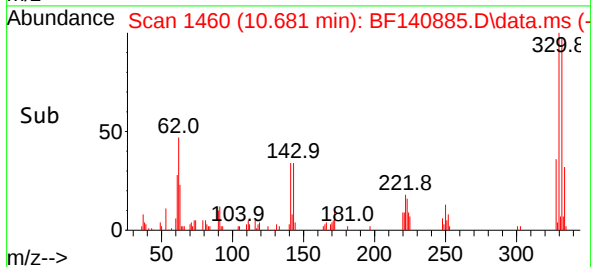
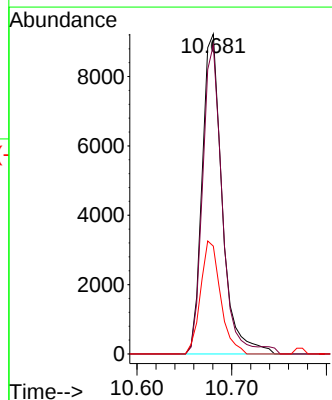
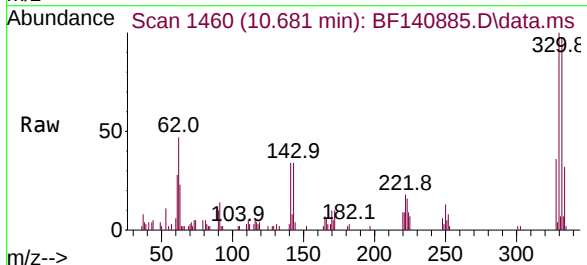
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

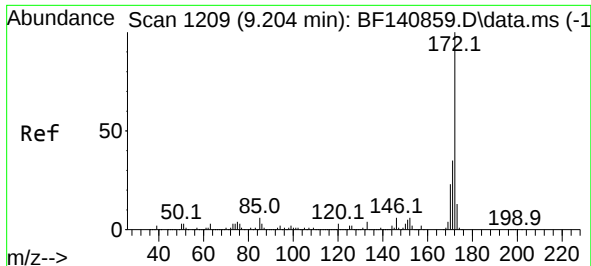
Tgt Ion:164 Resp: 103044
Ion Ratio Lower Upper
164 100
162 98.8 79.9 119.9
160 44.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 11.099 ng
RT: 10.681 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Tgt Ion:330 Resp: 13526
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 35.3 24.9 37.3

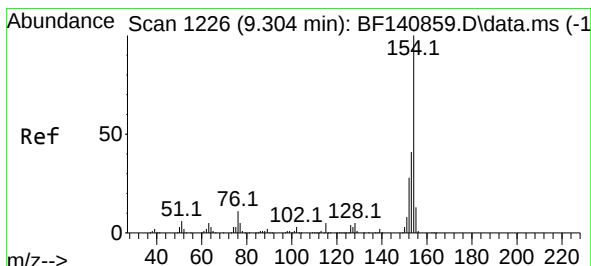
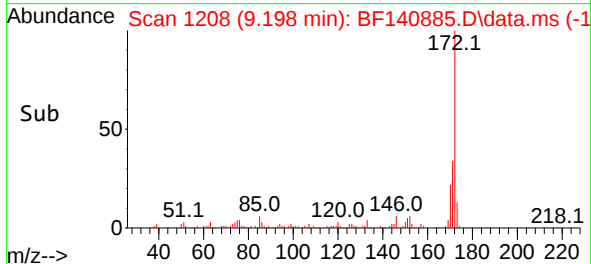
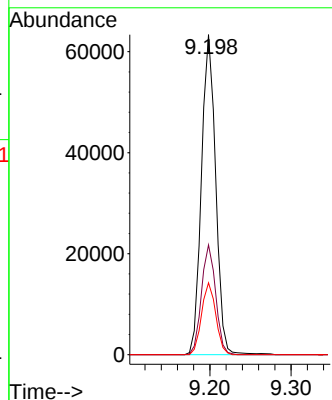
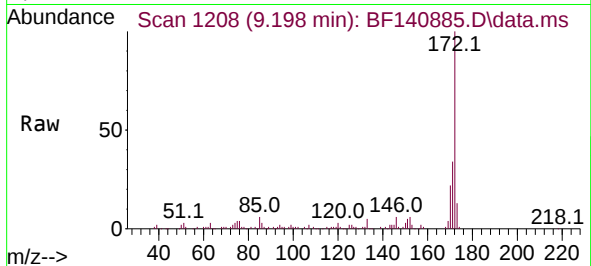




#45
2-Fluorobiphenyl
Concen: 10.307 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

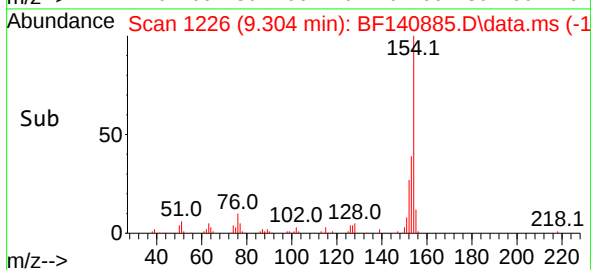
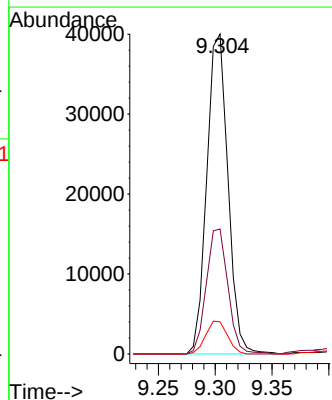
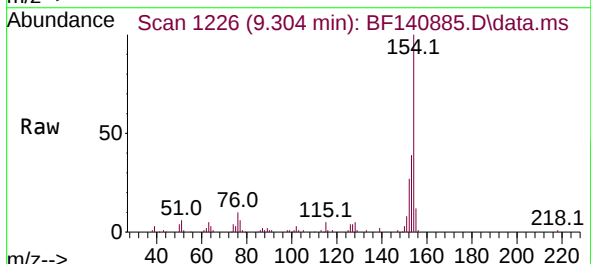
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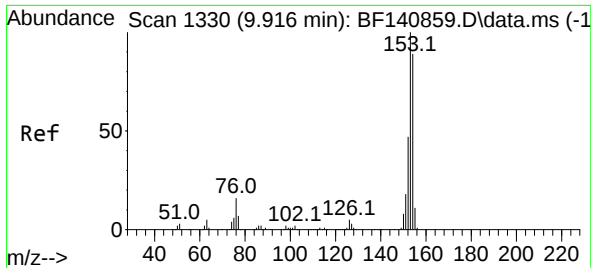
Tgt Ion:172 Resp: 77247
Ion Ratio Lower Upper
172 100
171 34.3 28.4 42.6
170 22.5 18.6 28.0



#46
1,1'-Biphenyl
Concen: 6.331 ng
RT: 9.304 min Scan# 1226
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Tgt Ion:154 Resp: 51877
Ion Ratio Lower Upper
154 100
153 39.1 20.8 60.8
76 10.1 0.0 31.0

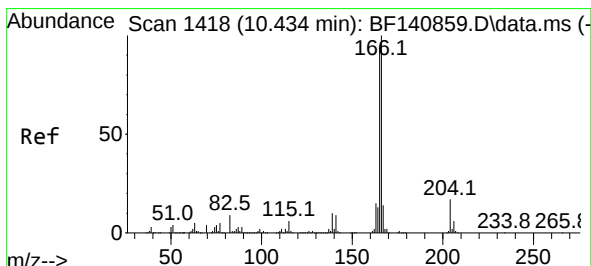
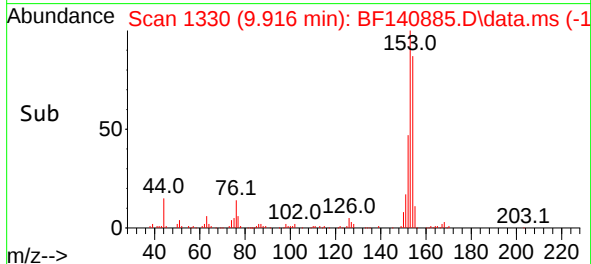
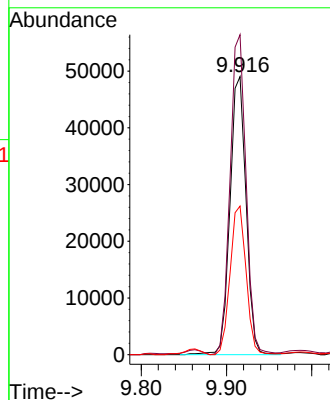
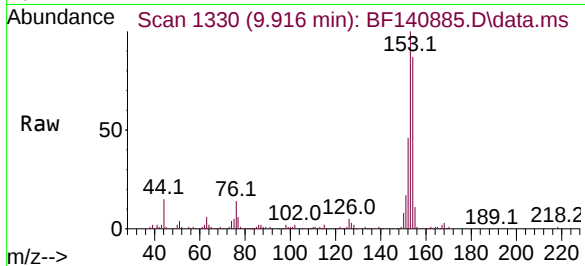




#52
Acenaphthene
Concen: 10.893 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

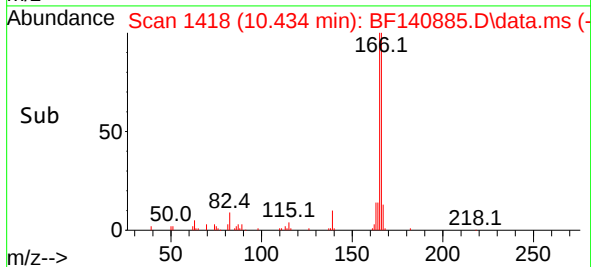
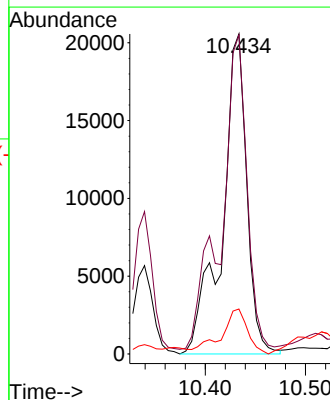
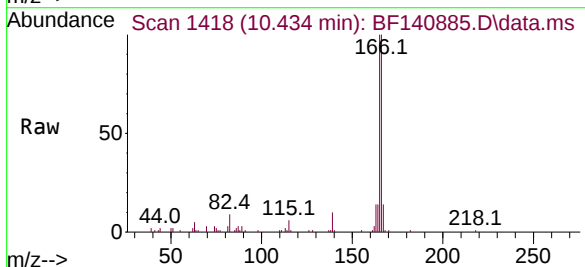
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

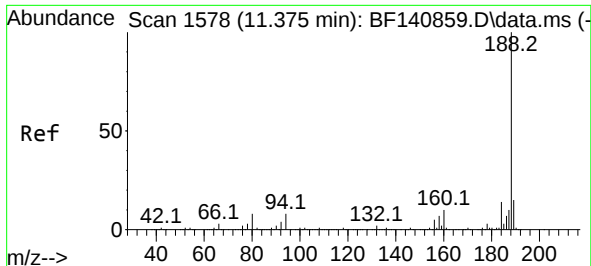
Tgt Ion:154 Resp: 64096
Ion Ratio Lower Upper
154 100
153 115.1 89.9 134.9
152 53.5 42.6 63.8



#58
Fluorene
Concen: 4.674 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Tgt Ion:166 Resp: 35159
Ion Ratio Lower Upper
166 100
165 99.7 75.1 112.7
167 14.1 11.1 16.7

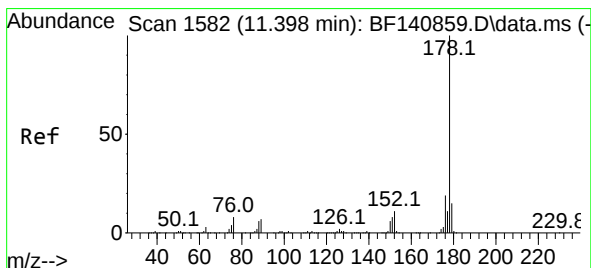
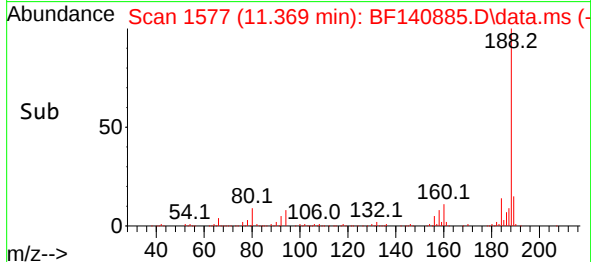
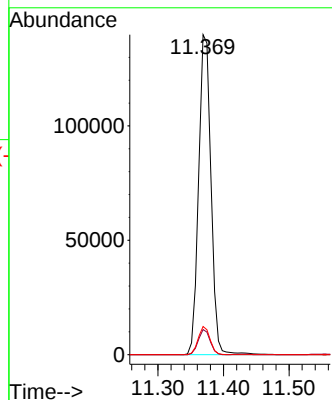
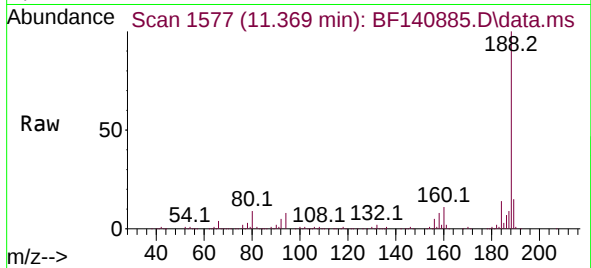




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

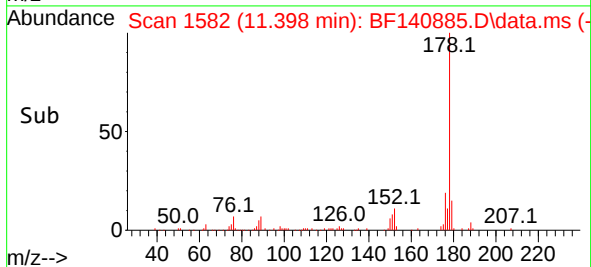
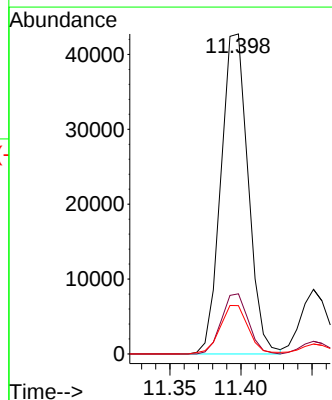
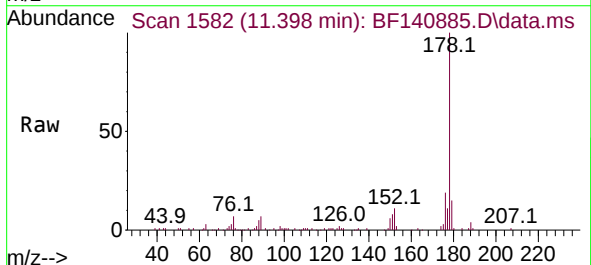
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

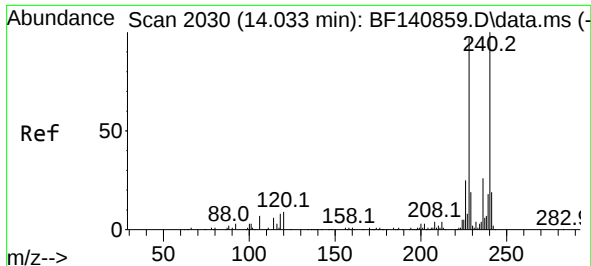
Tgt Ion:188 Resp: 183841
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.8 6.8 10.2



#71
Phenanthrene
Concen: 6.021 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

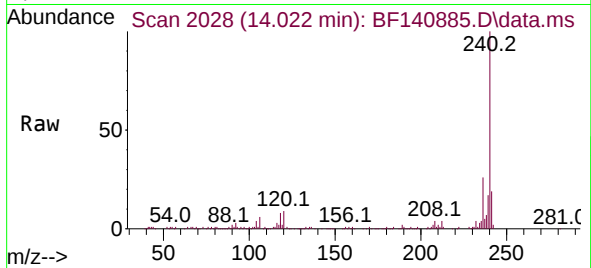
Tgt Ion:178 Resp: 56926
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.1 12.1 18.1



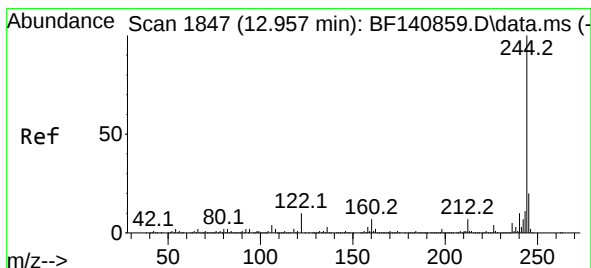
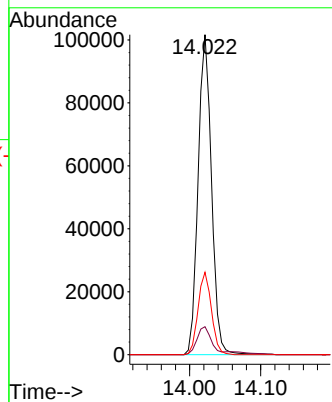
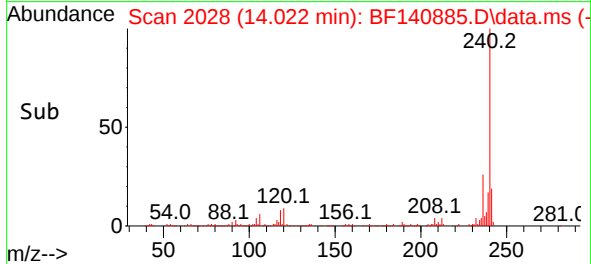


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

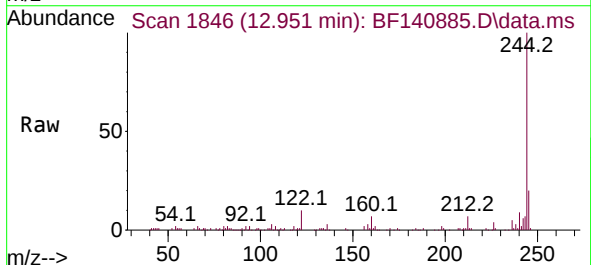
Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL



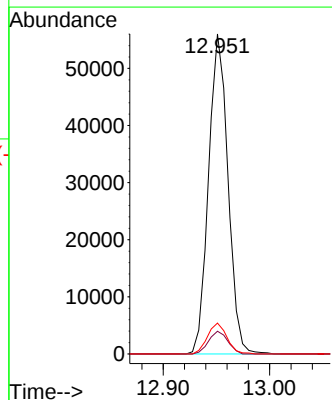
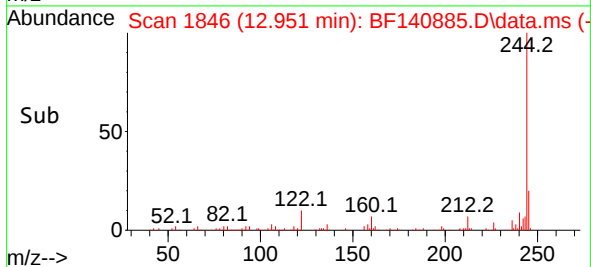
Tgt Ion:240 Resp: 133693
Ion Ratio Lower Upper
240 100
120 8.8 7.6 11.4
236 25.7 20.5 30.7

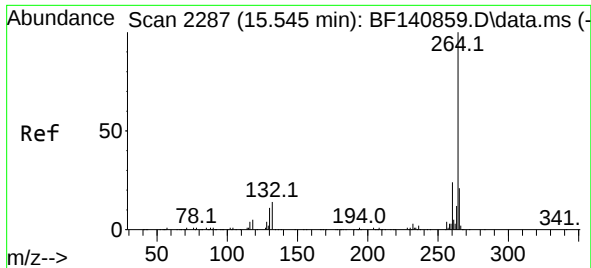


#79
Terphenyl-d14
Concen: 8.385 ng
RT: 12.951 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12



Tgt Ion:244 Resp: 71093
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 9.6 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140885.D
Acq: 17 Dec 2024 15:12

Instrument :
BNA_F
ClientSampleId :
MW12-20241212DL

Tgt Ion:264 Resp: 142721

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.5	17.0	25.4

