

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140883.D
 Acq On : 17 Dec 2024 14:19
 Operator : RC/JU
 Sample : P5270-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW14-20241212

Quant Time: Dec 17 14:49:43 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)

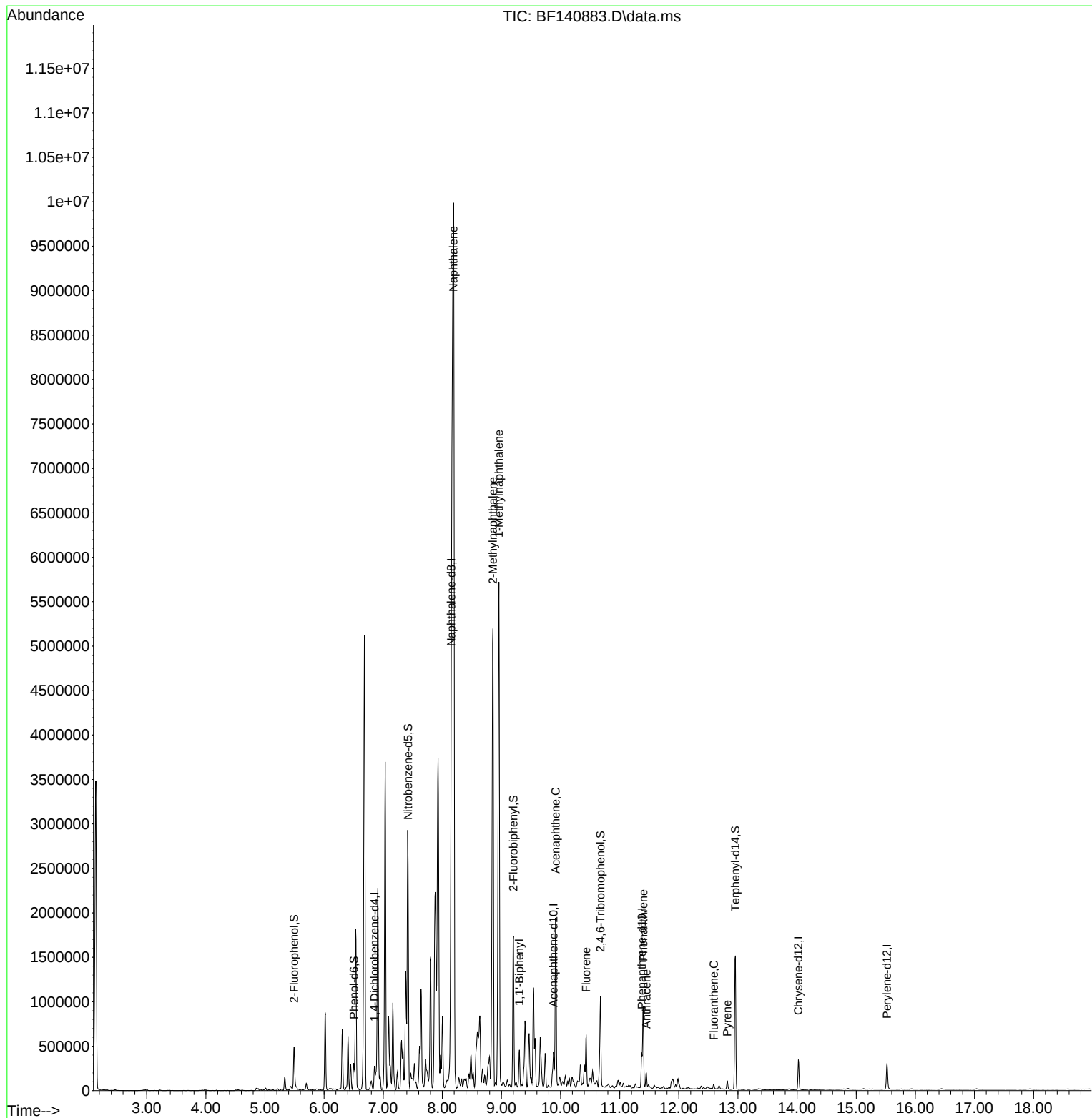
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	58118	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	185891	20.000	ng	0.02
39) Acenaphthene-d10	9.880	164	115251	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	199692	20.000	ng	0.00
76) Chrysene-d12	14.021	240	163585	20.000	ng	-0.01
86) Perylene-d12	15.521	264	178974	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	217928	61.728	ng	0.00
7) Phenol-d6	6.504	99	164232	35.121	ng	0.00
23) Nitrobenzene-d5	7.422	82	368430	99.160	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	174654	128.131	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	744804	88.849	ng	0.00
79) Terphenyl-d14	12.957	244	765733	73.812	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.186	128	12822899	1255.770	ng	95
37) 2-Methylnaphthalene	8.857	142	2544596	376.715	ng	100
38) 1-Methylnaphthalene	8.957	142	2650003	396.690	ng	100
46) 1,1'-Biphenyl	9.304	154	182273	19.889	ng	99
52) Acenaphthene	9.916	154	594438	90.320	ng	98
58) Fluorene	10.433	166	314442m	37.373	ng	
71) Phenanthrene	11.398	178	491890	47.900	ng	99
72) Anthracene	11.451	178	96666	9.559	ng	99
75) Fluoranthene	12.592	202	27930	2.362	ng	100
78) Pyrene	12.821	202	56801	3.905	ng	98

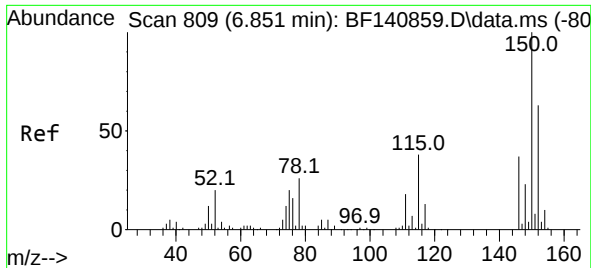
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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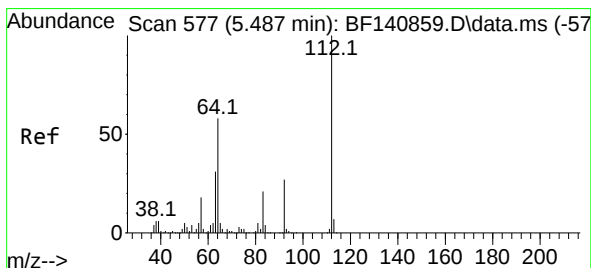
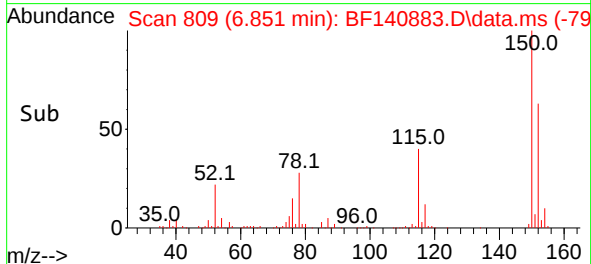
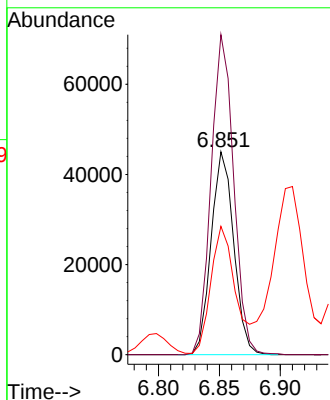
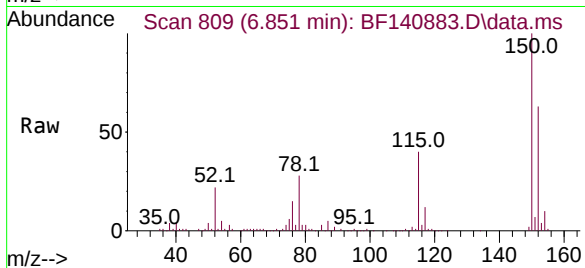




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

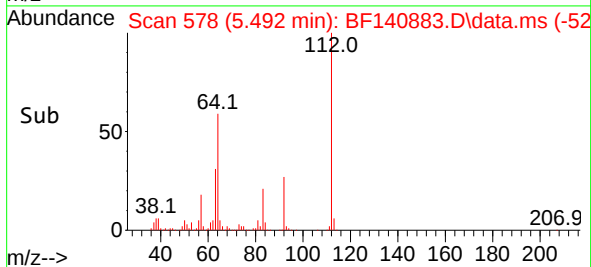
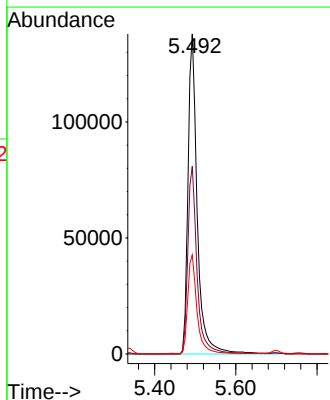
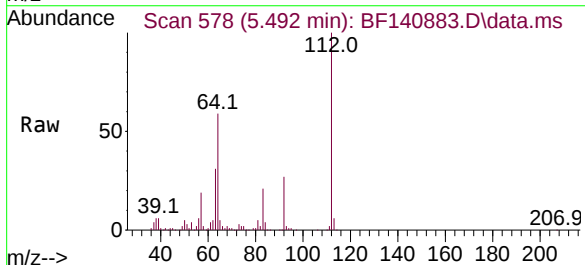
Instrument :
BNA_F
ClientSampleId :
MW14-20241212

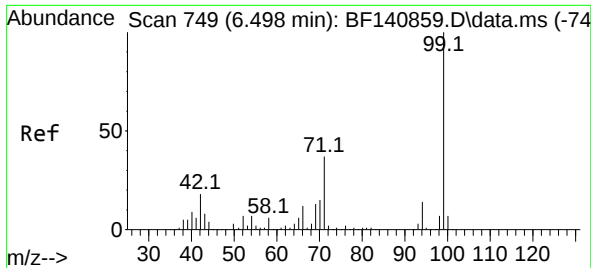
Tgt Ion:152 Resp: 58118
Ion Ratio Lower Upper
152 100
150 157.7 127.9 191.9
115 63.2 48.0 72.0



#5
2-Fluorophenol
Concen: 61.728 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Tgt Ion:112 Resp: 217928
Ion Ratio Lower Upper
112 100
64 58.7 46.1 69.1
63 31.0 24.9 37.3

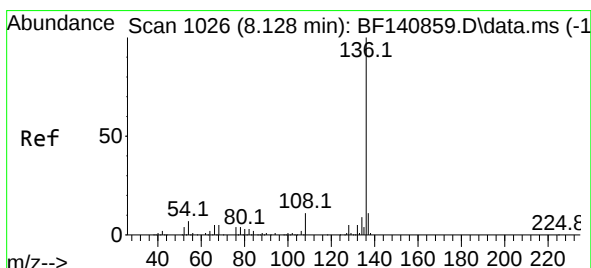
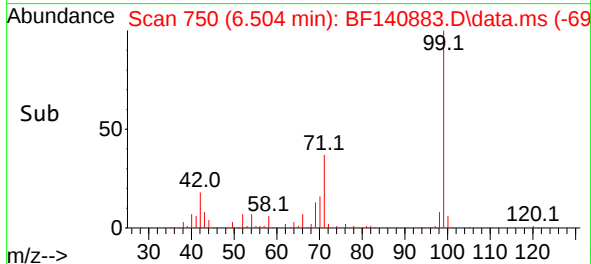
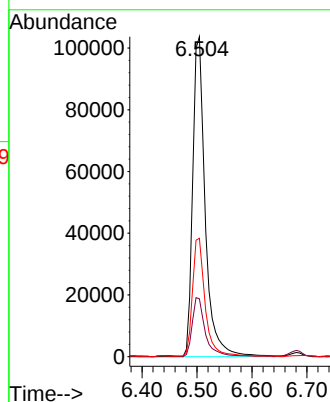
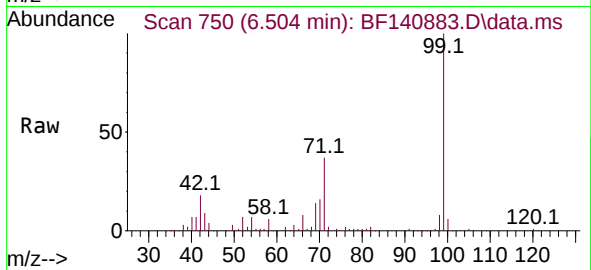




#7
Phenol-d6
Concen: 35.121 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

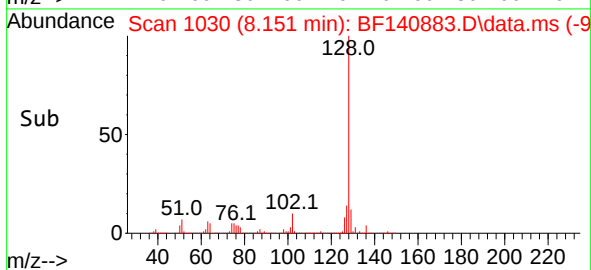
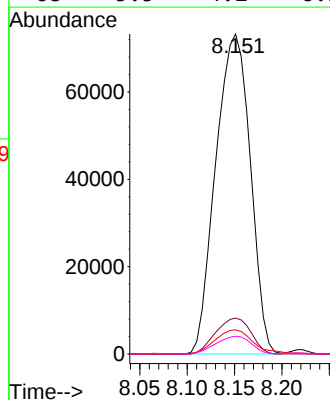
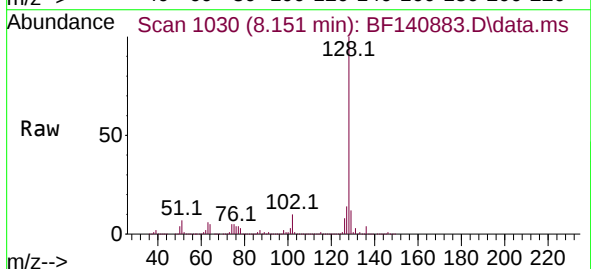
Instrument :
BNA_F
ClientSampleId :
MW14-20241212

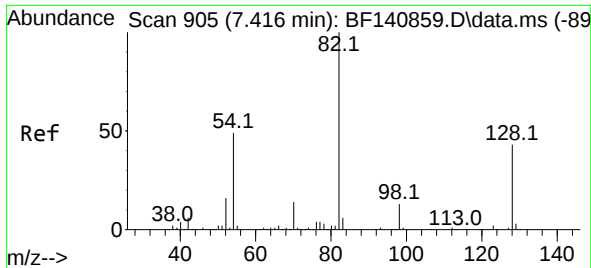
Tgt Ion: 99 Resp: 164232
Ion Ratio Lower Upper
99 100
42 18.1 14.3 21.5
71 37.0 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.023 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Tgt Ion: 136 Resp: 185891
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.5 5.6 8.4
68 5.5 4.2 6.2

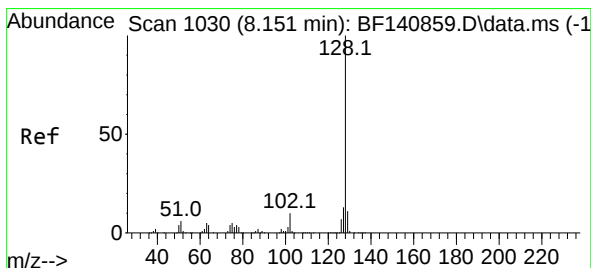
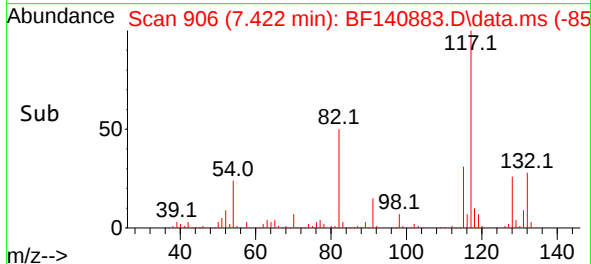
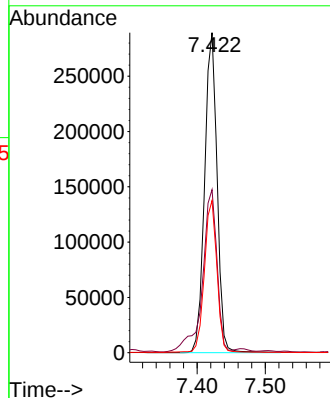
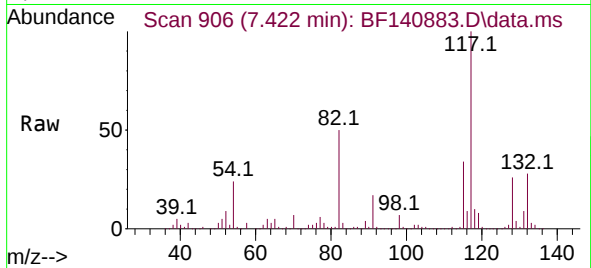




#23
Nitrobenzene-d5
Concen: 99.160 ng
RT: 7.422 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

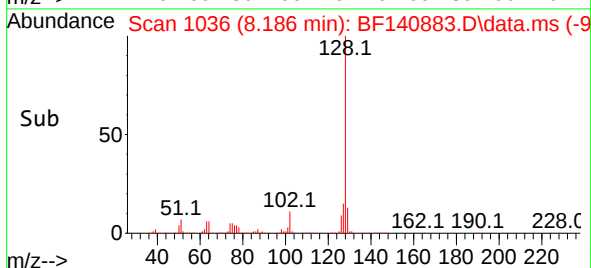
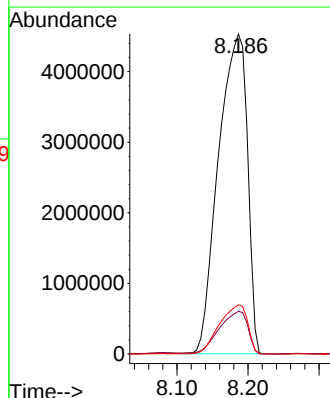
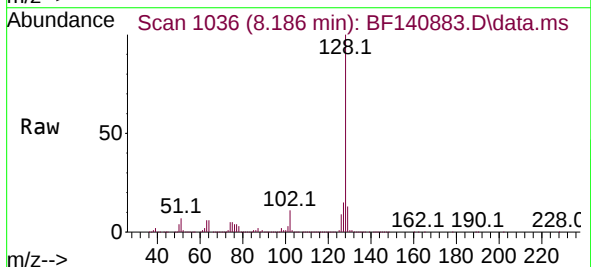
Instrument :
BNA_F
ClientSampleId :
MW14-20241212

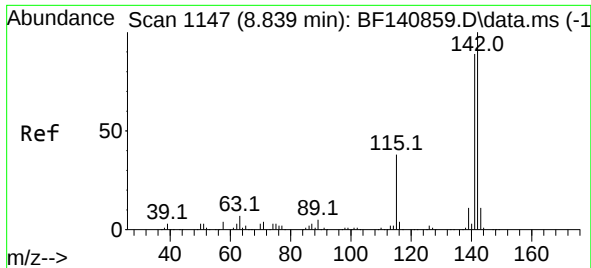
Tgt Ion: 82 Resp: 368430
Ion Ratio Lower Upper
82 100
128 51.0 34.4 51.6
54 47.5 38.8 58.2



#31
Naphthalene
Concen: 1255.770 ng
RT: 8.186 min Scan# 1036
Delta R.T. 0.035 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Tgt Ion: 128 Resp: 12822899
Ion Ratio Lower Upper
128 100
129 13.3 8.9 13.3
127 15.3 10.6 16.0





#37

2-Methylnaphthalene

Concen: 376.715 ng

RT: 8.857 min Scan# 1147

Delta R.T. 0.017 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

Instrument :

BNA_F

ClientSampleId :

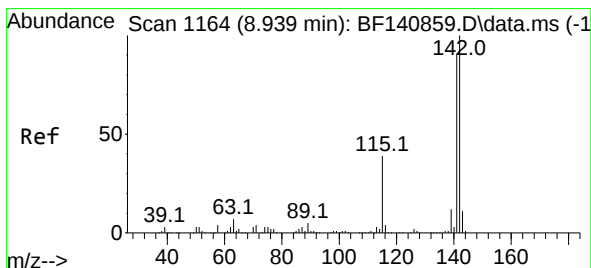
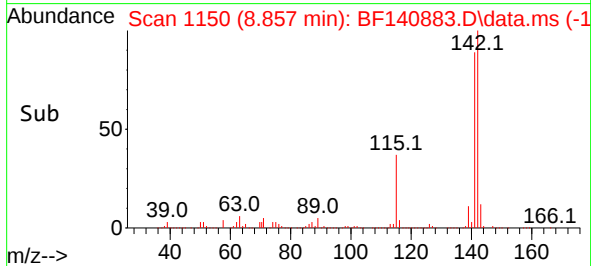
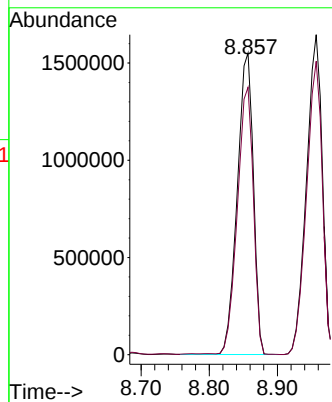
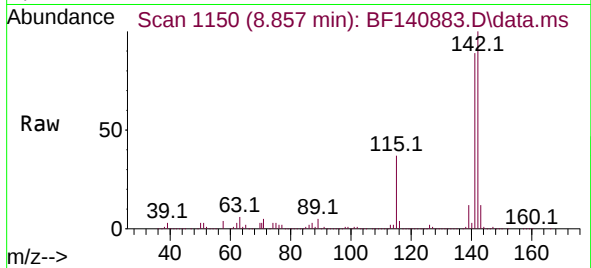
MW14-20241212

Tgt Ion:142 Resp: 2544596

Ion Ratio Lower Upper

142 100

141 88.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 396.690 ng

RT: 8.957 min Scan# 1167

Delta R.T. 0.017 min

Lab File: BF140883.D

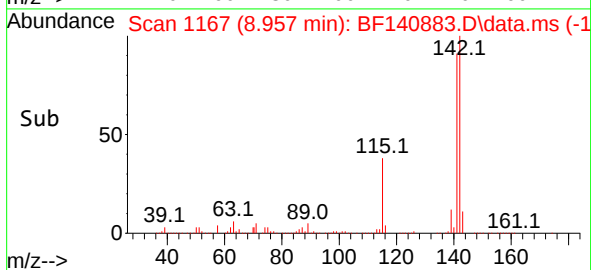
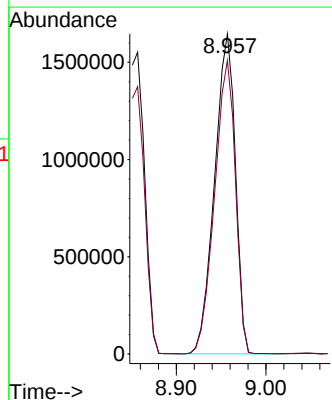
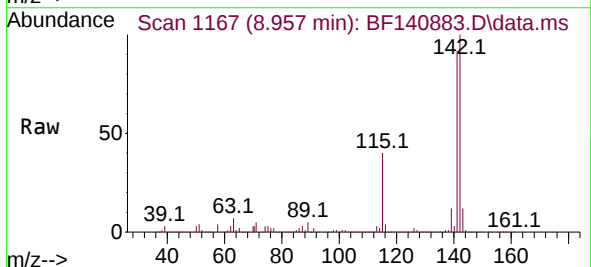
Acq: 17 Dec 2024 14:19

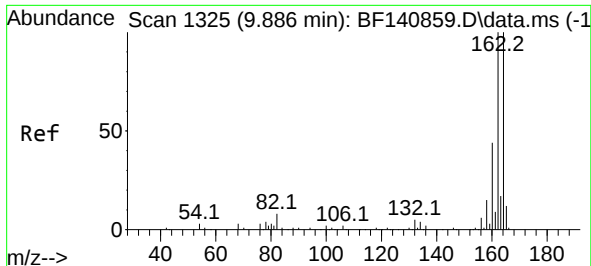
Tgt Ion:142 Resp: 2650003

Ion Ratio Lower Upper

142 100

141 91.7 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: BF140883.D

Acq: 17 Dec 2024 14:19

Instrument :

BNA_F

ClientSampleId :

MW14-20241212

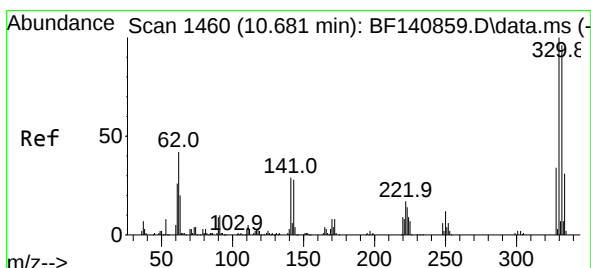
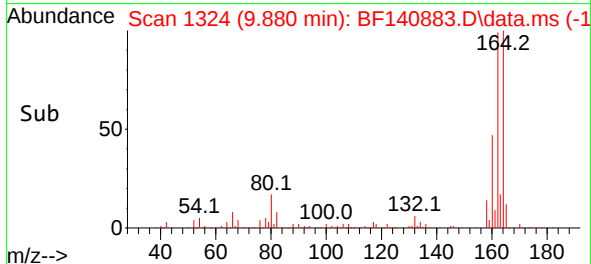
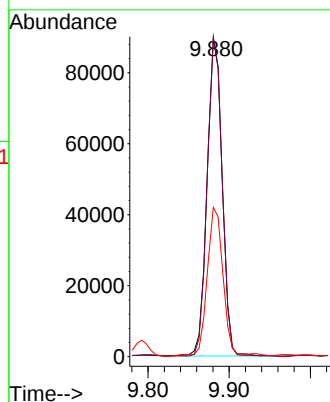
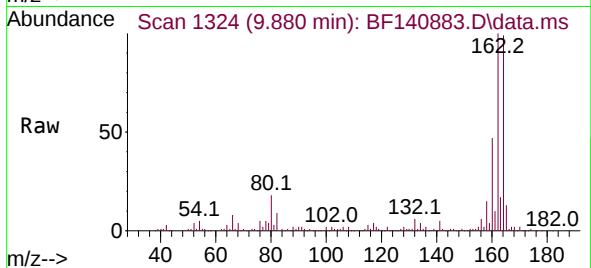
Tgt Ion:164 Resp: 115251

Ion Ratio Lower Upper

164 100

162 100.7 79.9 119.9

160 47.0 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 128.131 ng

RT: 10.674 min Scan# 1459

Delta R.T. -0.006 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

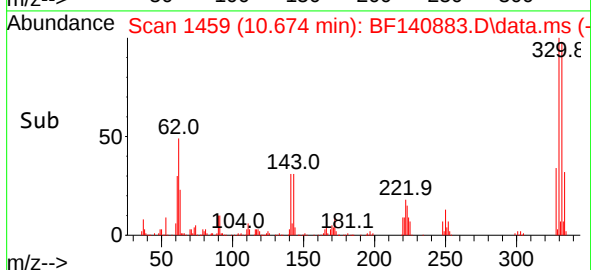
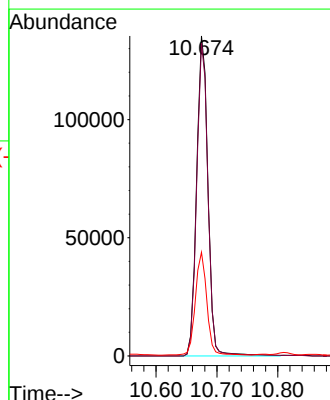
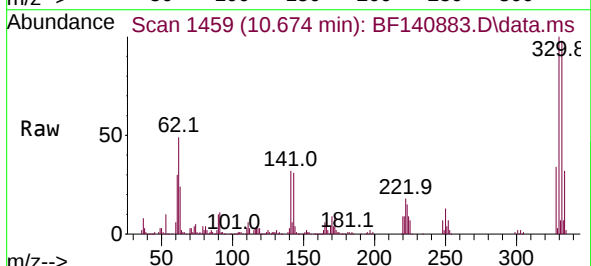
Tgt Ion:330 Resp: 174654

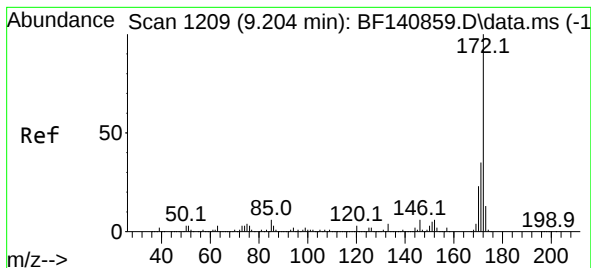
Ion Ratio Lower Upper

330 100

332 97.9 76.2 114.4

141 32.6 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 88.849 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

Instrument :

BNA_F

ClientSampleId :

MW14-20241212

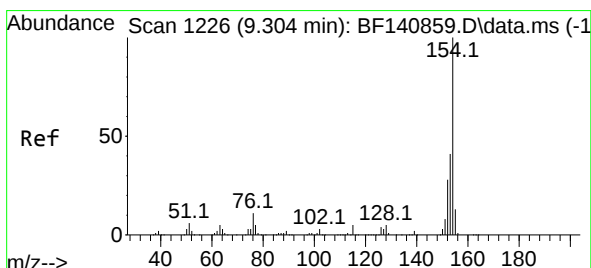
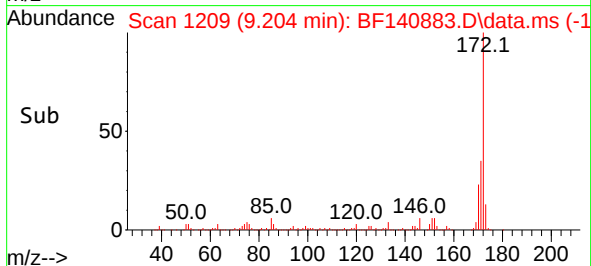
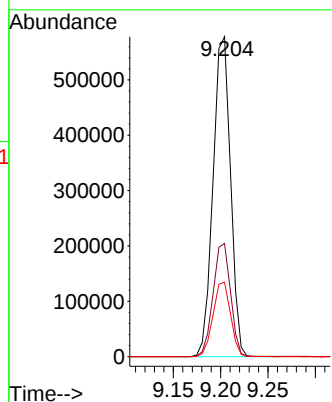
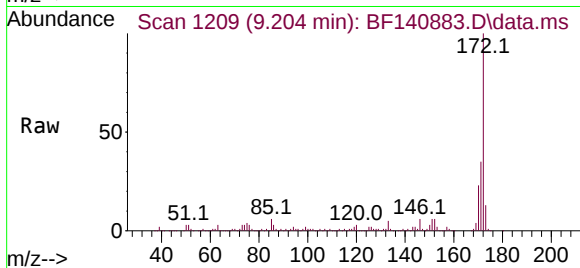
Tgt Ion:172 Resp: 744804

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 19.889 ng

RT: 9.304 min Scan# 1226

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

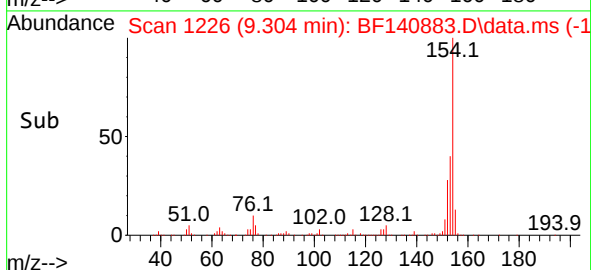
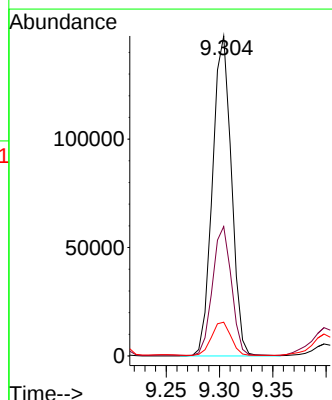
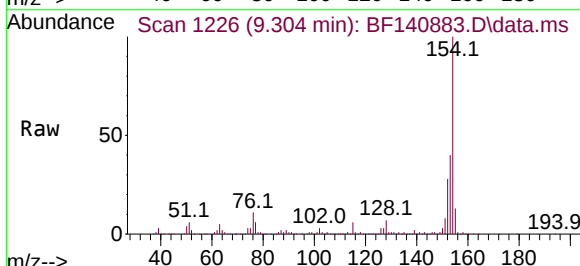
Tgt Ion:154 Resp: 182273

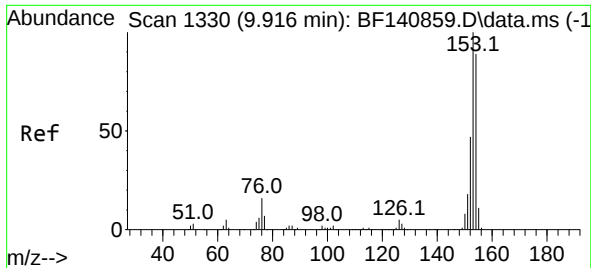
Ion Ratio Lower Upper

154 100

153 40.5 20.8 60.8

76 10.6 0.0 31.0

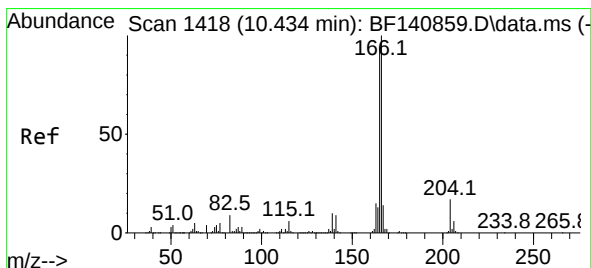
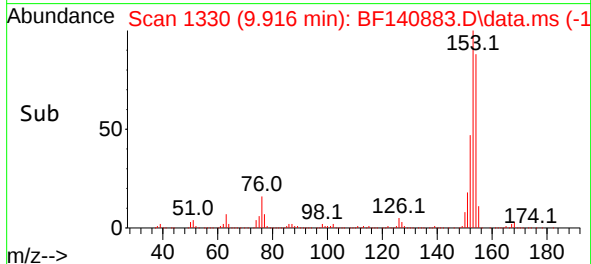
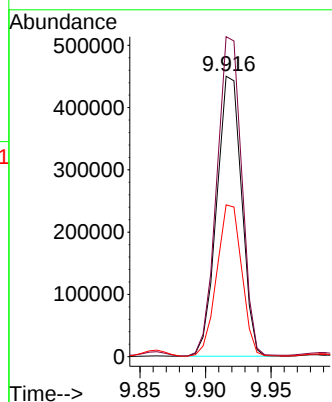
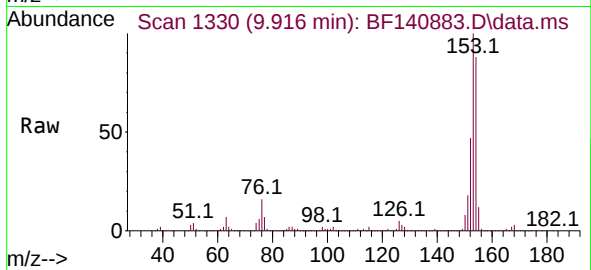




#52
Acenaphthene
Concen: 90.320 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

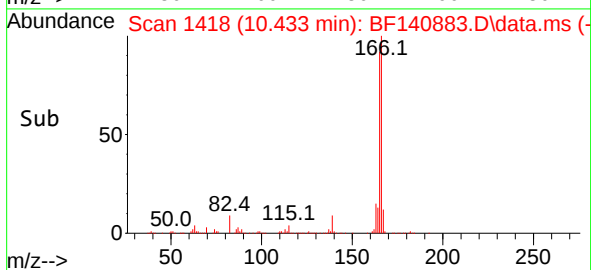
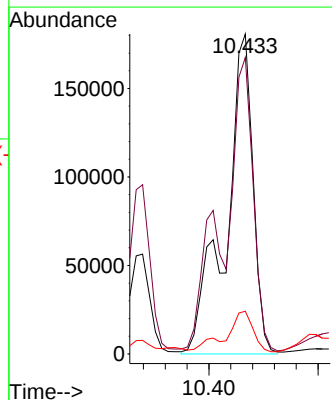
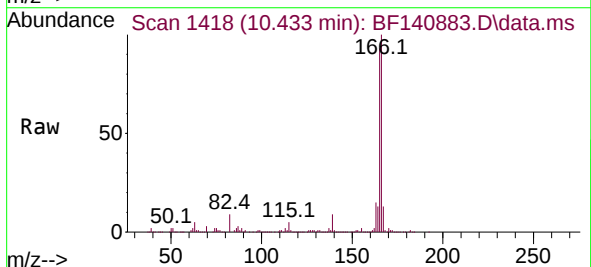
Instrument :
BNA_F
ClientSampleId :
MW14-20241212

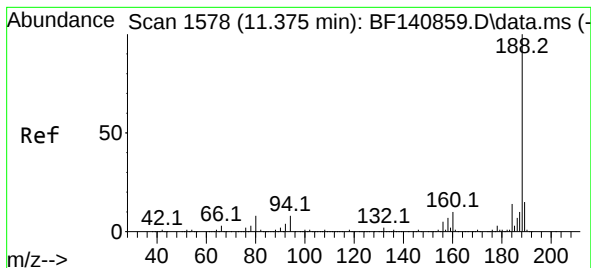
Tgt Ion:154 Resp: 594438
Ion Ratio Lower Upper
154 100
153 114.1 89.9 134.9
152 54.1 42.6 63.8



#58
Fluorene
Concen: 37.373 ng m
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Tgt Ion:166 Resp: 314442
Ion Ratio Lower Upper
166 100
165 92.7 75.1 112.7
167 13.3 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

Instrument :

BNA_F

ClientSampleId :

MW14-20241212

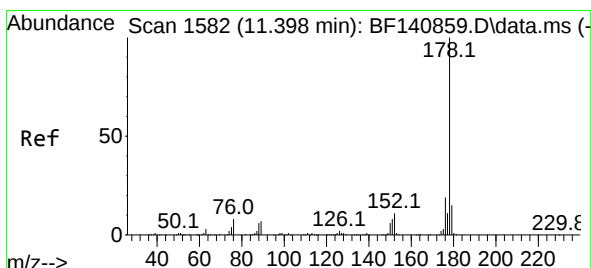
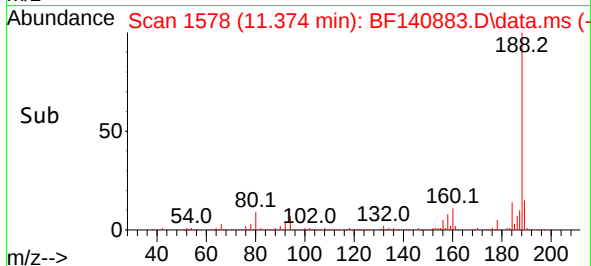
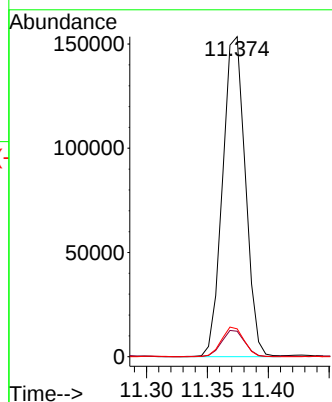
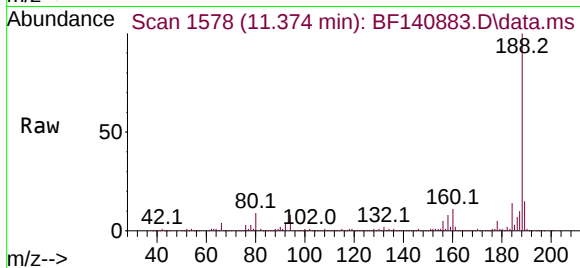
Tgt Ion:188 Resp: 199692

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.7 6.8 10.2



#71

Phenanthrene

Concen: 47.900 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

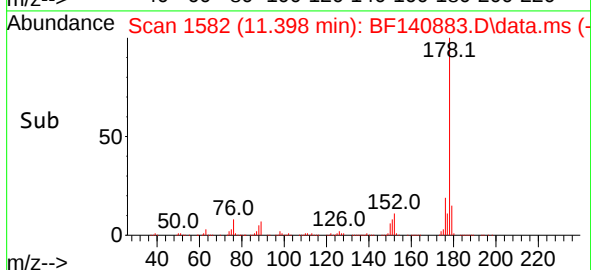
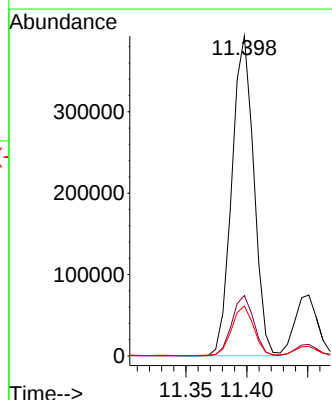
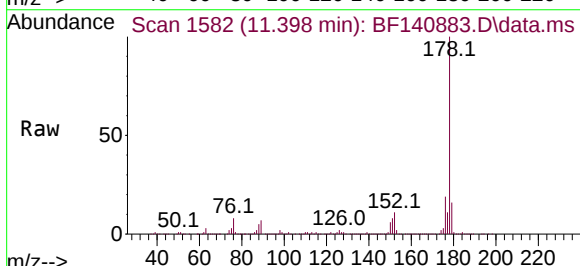
Tgt Ion:178 Resp: 491890

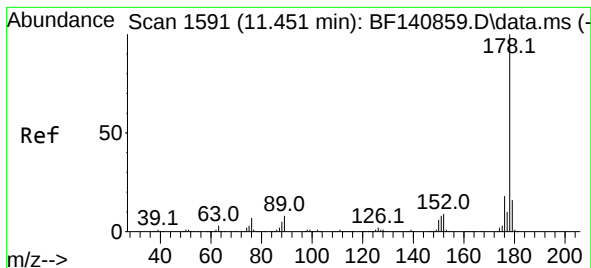
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.6 12.1 18.1





#72

Anthracene

Concen: 9.559 ng

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

Instrument :

BNA_F

ClientSampleId :

MW14-20241212

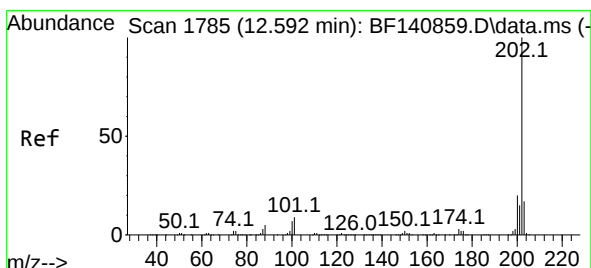
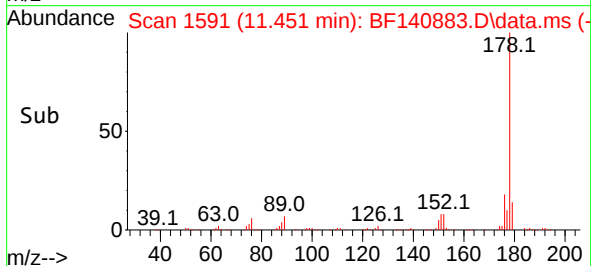
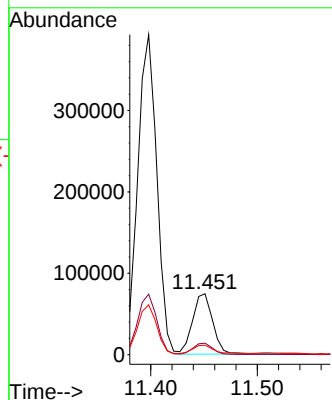
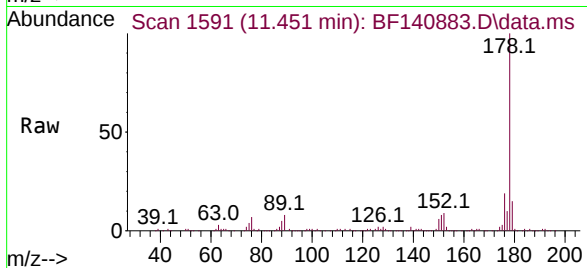
Tgt Ion:178 Resp: 96666

Ion Ratio Lower Upper

178 100

176 18.9 14.6 22.0

179 15.4 12.6 18.8



#75

Fluoranthene

Concen: 2.362 ng

RT: 12.592 min Scan# 1785

Delta R.T. -0.000 min

Lab File: BF140883.D

Acq: 17 Dec 2024 14:19

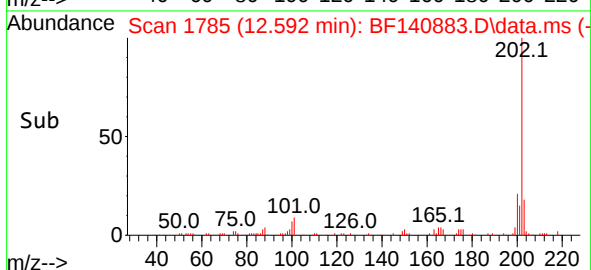
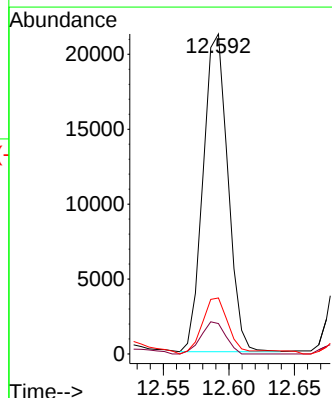
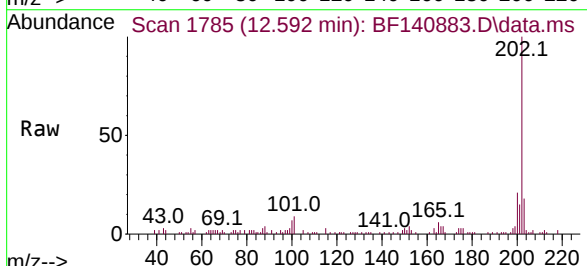
Tgt Ion:202 Resp: 27930

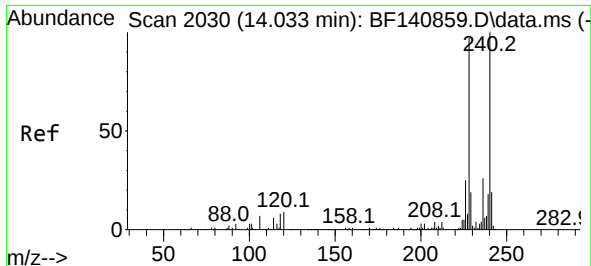
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.3

203 17.5 0.0 37.4

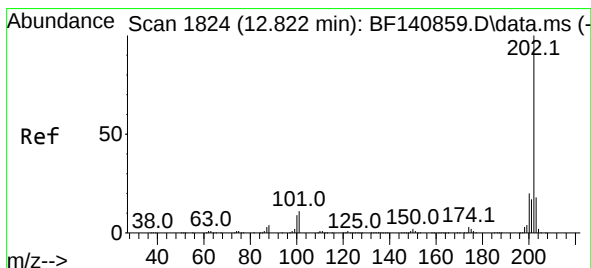
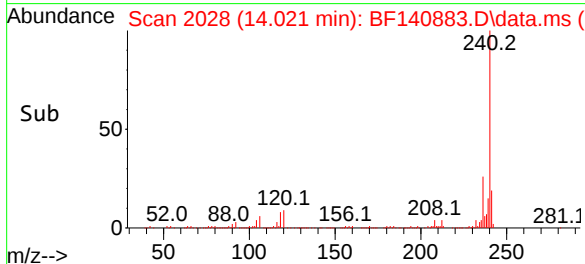
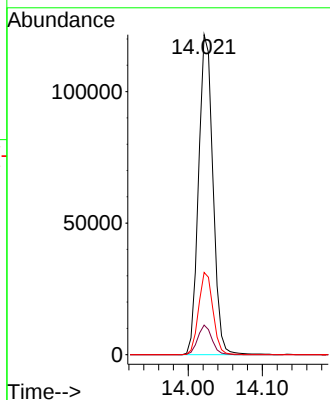
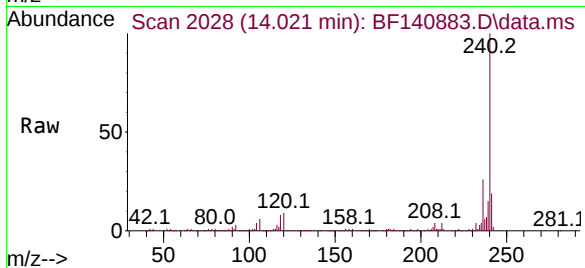




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

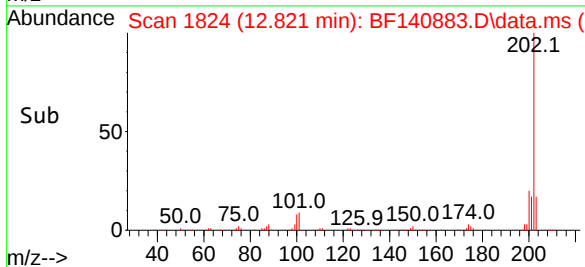
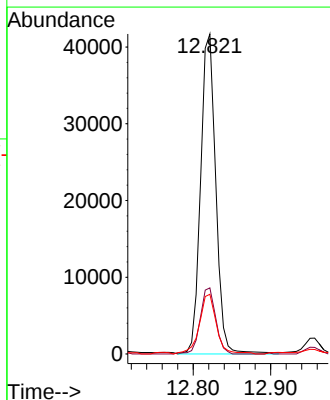
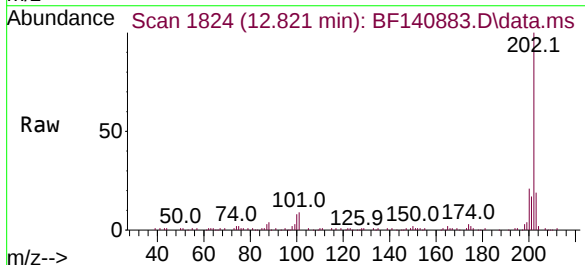
Instrument :
BNA_F
ClientSampleId :
MW14-20241212

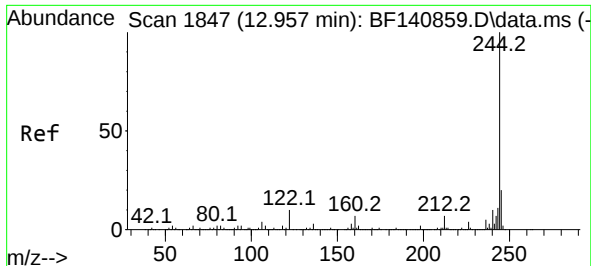
Tgt Ion:240 Resp: 163585
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 25.7 20.5 30.7



#78
Pyrene
Concen: 3.905 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

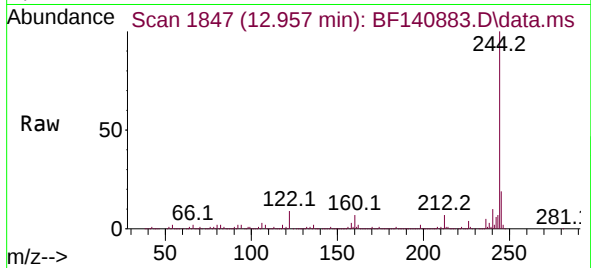
Tgt Ion:202 Resp: 56801
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 18.6 14.2 21.4



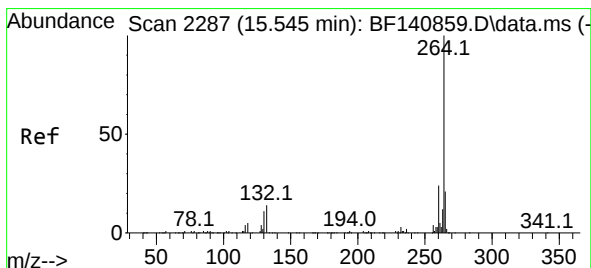
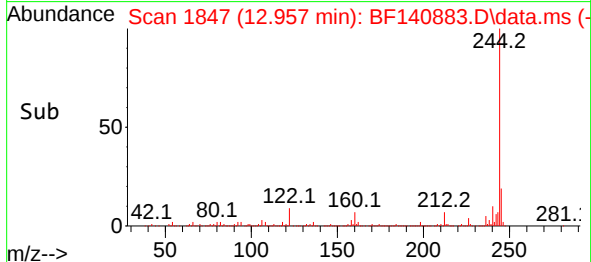
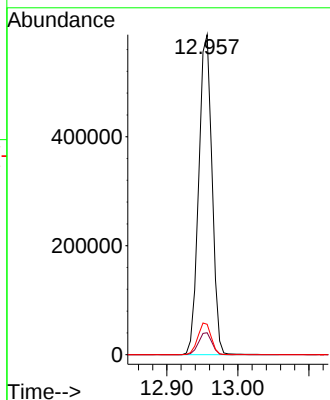


#79
Terphenyl-d14
Concen: 73.812 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.000 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Instrument :
BNA_F
ClientSampleId :
MW14-20241212



Tgt Ion:244 Resp: 765733
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 9.5 8.2 12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140883.D
Acq: 17 Dec 2024 14:19

Tgt Ion:264 Resp: 178974
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.3 17.0 25.4

