

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140849.D
 Acq On : 13 Dec 2024 17:28
 Operator : RC/JU
 Sample : P5270-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212

Quant Time: Dec 13 21:41:40 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)

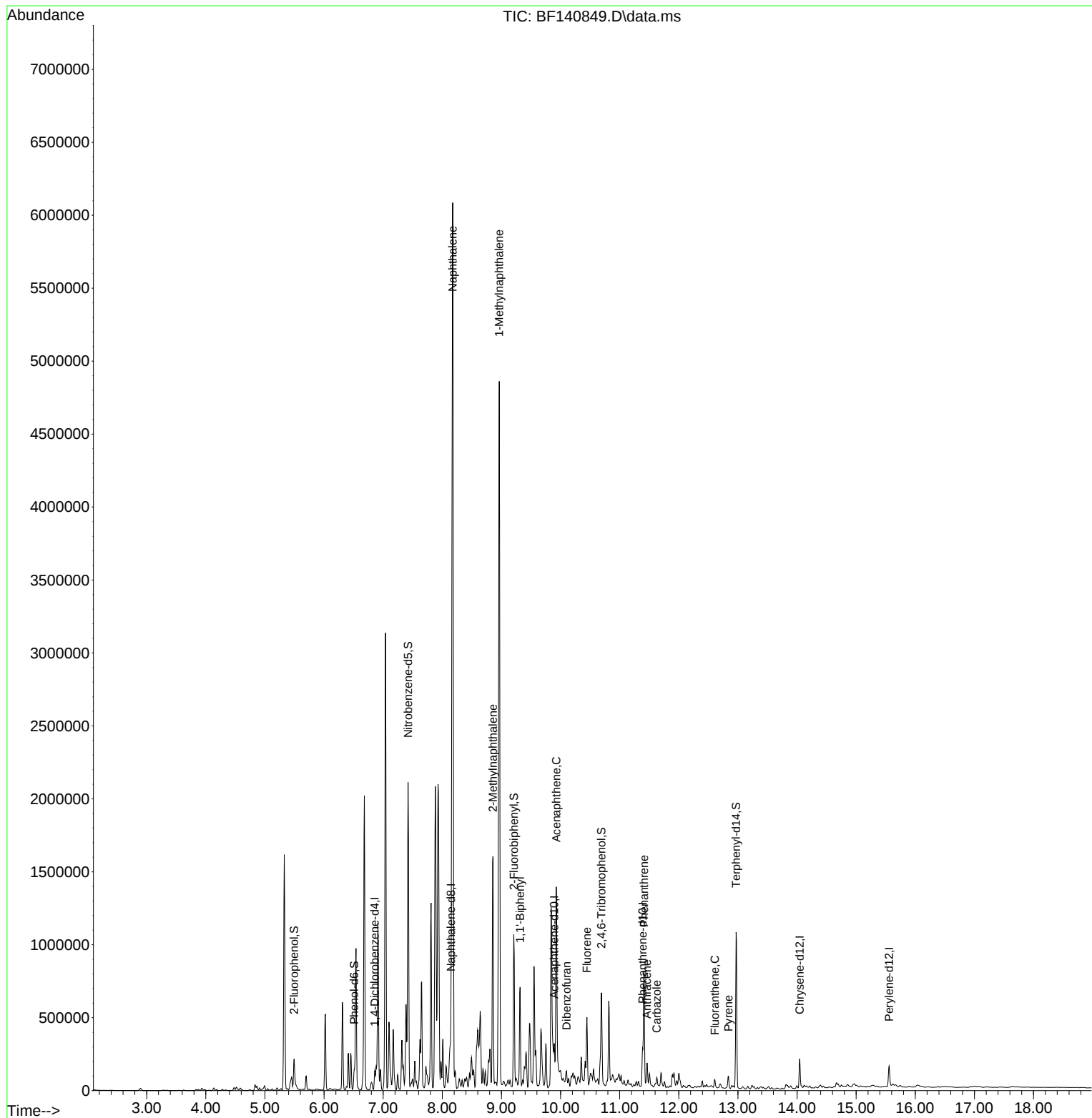
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	28219	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	105003	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	66739	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	136835	20.000	ng	-0.02
76) Chrysene-d12	14.045	240	95873	20.000	ng	0.00
86) Perylene-d12	15.557	264	89401	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	108047	65.329	ng	0.00
7) Phenol-d6	6.510	99	85129	38.934	ng	0.00
23) Nitrobenzene-d5	7.422	82	193049	94.040	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	114186	159.974	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	434679	97.042	ng	-0.02
79) Terphenyl-d14	12.969	244	529415	85.985	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.175	128	4493988	830.900	ng	97
37) 2-Methylnaphthalene	8.857	142	609078	177.300	ng	99
38) 1-Methylnaphthalene	8.963	142	2019737	599.812	ng	100
46) 1,1'-Biphenyl	9.316	154	307123	61.637	ng	99
52) Acenaphthene	9.928	154	388013	107.048	ng	99
55) Dibenzofuran	10.104	168	26915	4.868	ng	# 95
58) Fluorene	10.445	166	183161	41.273	ng	97
71) Phenanthrene	11.410	178	417344	63.450	ng	99
72) Anthracene	11.463	178	91887	14.281	ng	99
73) Carbazole	11.628	167	25885	4.182	ng	99
75) Fluoranthene	12.610	202	29104	4.075	ng	99
78) Pyrene	12.839	202	51420	5.801	ng	99

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

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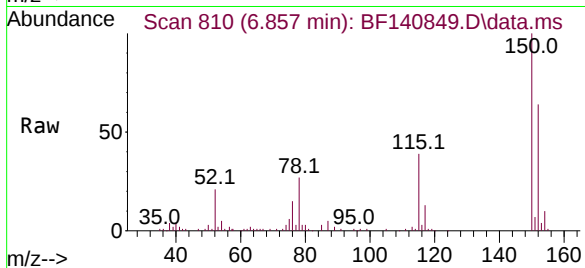
Quant Time: Dec 13 21:41:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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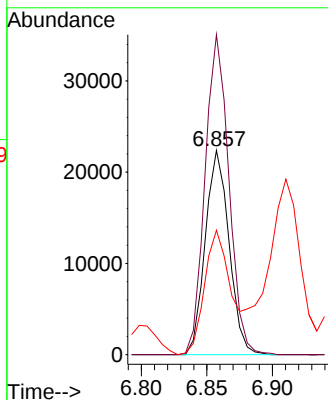
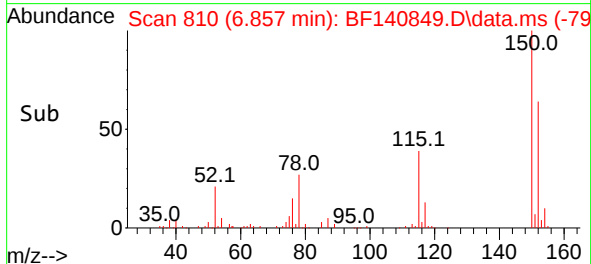


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

Instrument :
BNA_F
ClientSampleId :
MW12-20241212

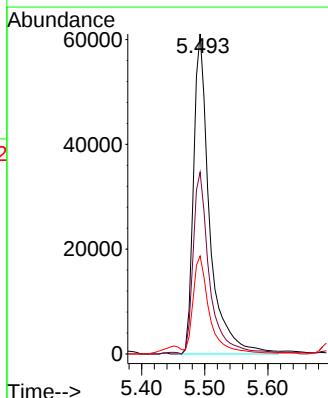
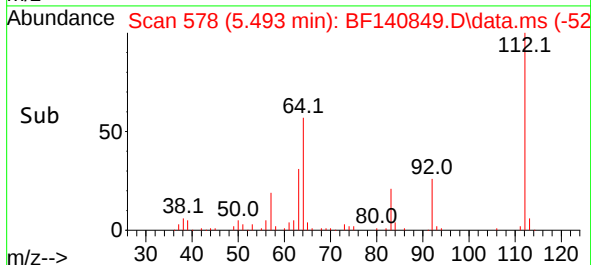
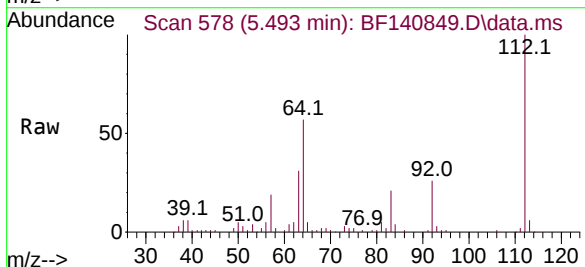


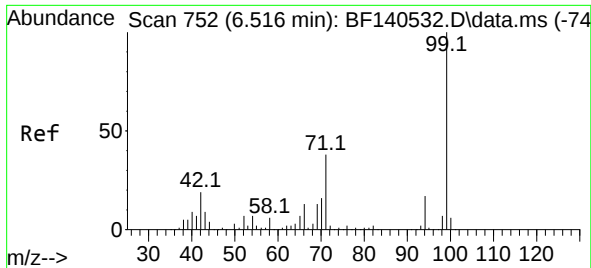
Tgt Ion:152 Resp: 28219
Ion Ratio Lower Upper
152 100
150 156.6 128.5 192.7
115 60.9 50.2 75.4



#5
2-Fluorophenol
Concen: 65.329 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

Tgt Ion:112 Resp: 108047
Ion Ratio Lower Upper
112 100
64 56.8 49.2 73.8
63 30.6 27.0 40.4

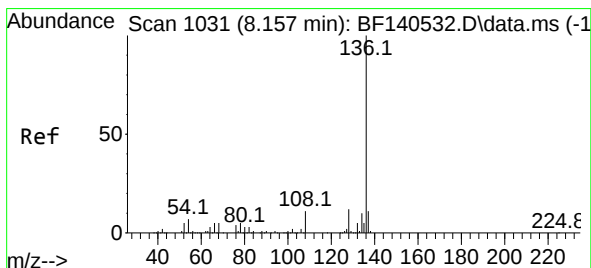
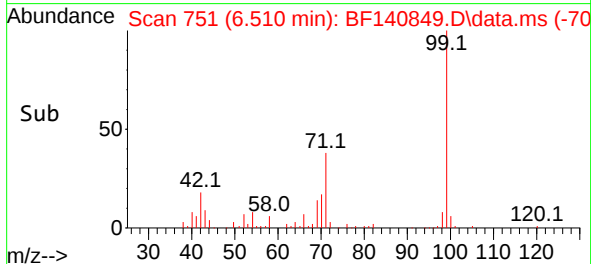
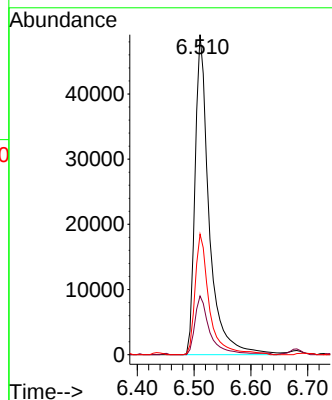
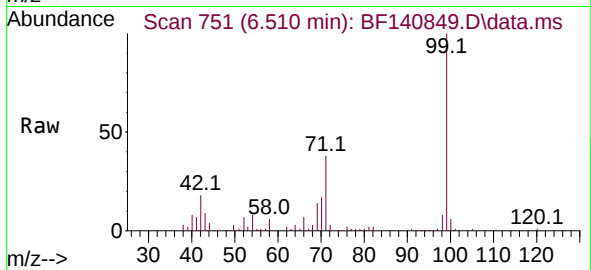




#7
Phenol-d6
Concen: 38.934 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

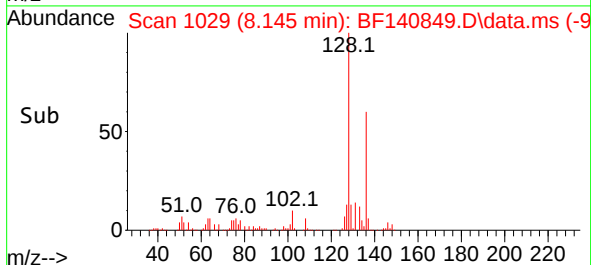
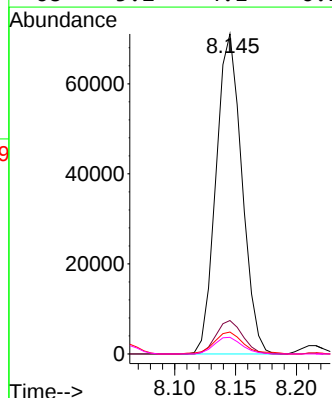
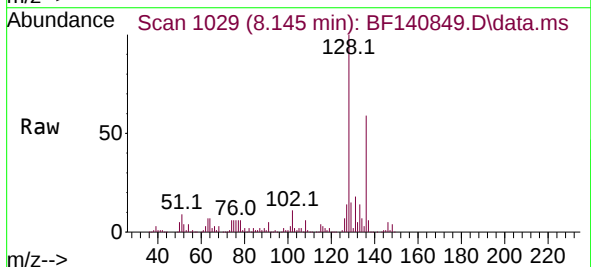
Instrument :
BNA_F
ClientSampleId :
MW12-20241212

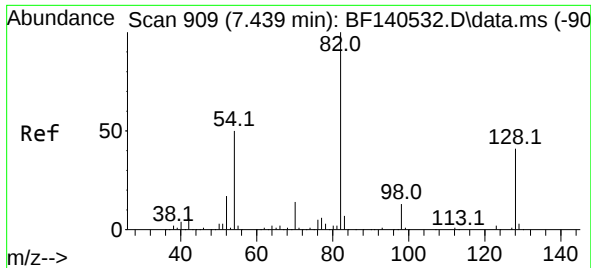
Tgt Ion: 99 Resp: 85129
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.0
71 37.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

Tgt Ion:136 Resp: 105003
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 6.8 5.8 8.8
68 5.2 4.1 6.1

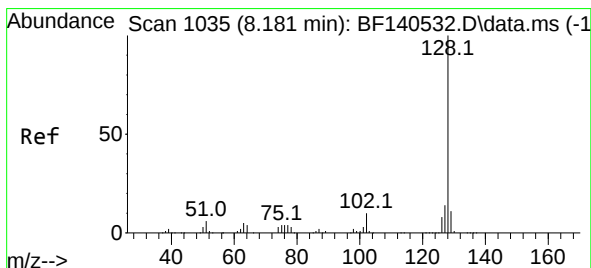
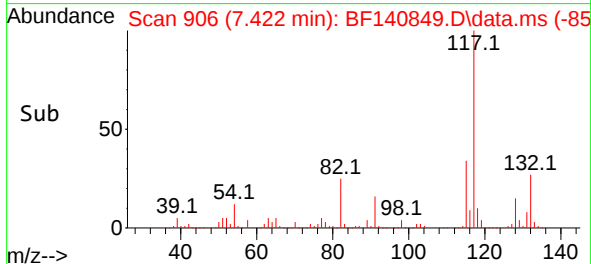
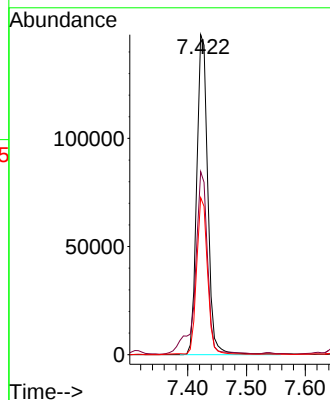
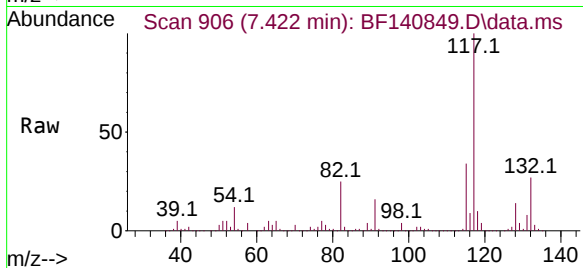




#23
Nitrobenzene-d5
Concen: 94.040 ng
RT: 7.422 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

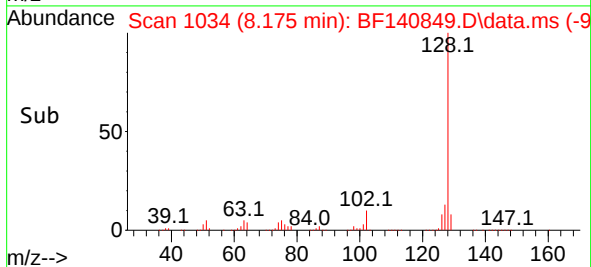
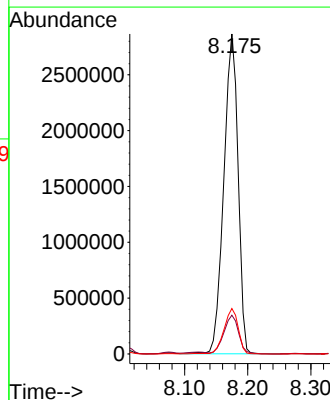
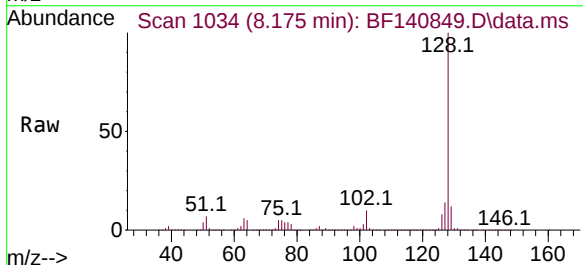
Instrument :
BNA_F
ClientSampleId :
MW12-20241212

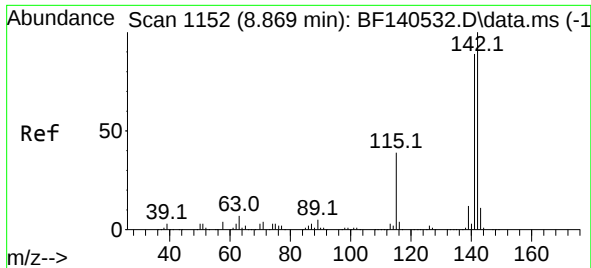
Tgt Ion: 82 Resp: 193049
Ion Ratio Lower Upper
82 100
128 57.2 33.0 49.4#
54 49.0 39.5 59.3



#31
Naphthalene
Concen: 830.900 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

Tgt Ion:128 Resp: 4493988
Ion Ratio Lower Upper
128 100
129 12.1 8.6 13.0
127 14.2 10.8 16.2





#37

2-Methylnaphthalene

Concen: 177.300 ng

RT: 8.857 min Scan# 1150

Delta R.T. -0.012 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

BNA_F

ClientSampleId :

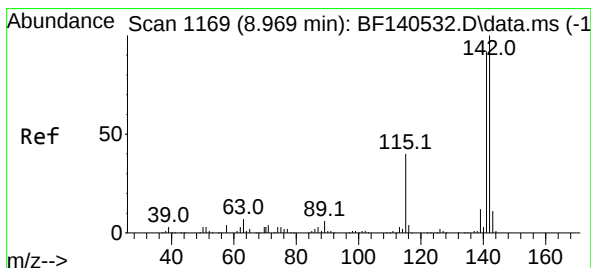
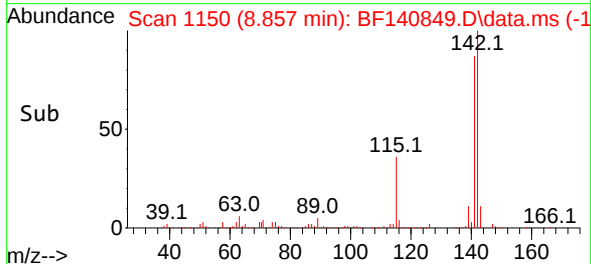
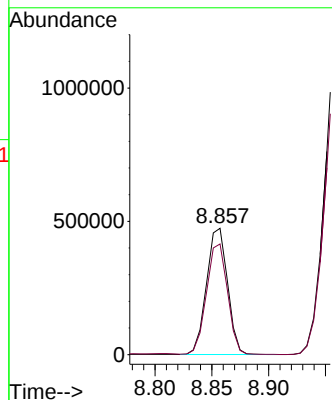
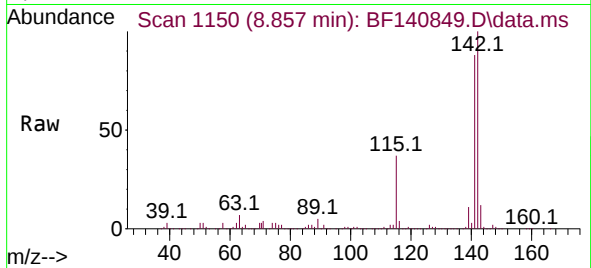
MW12-20241212

Tgt Ion:142 Resp: 609078

Ion Ratio Lower Upper

142 100

141 87.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 599.812 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF140849.D

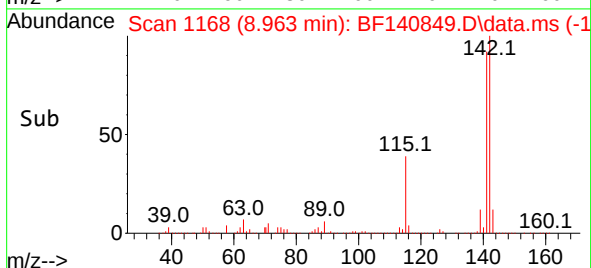
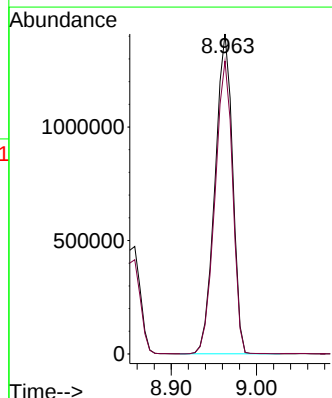
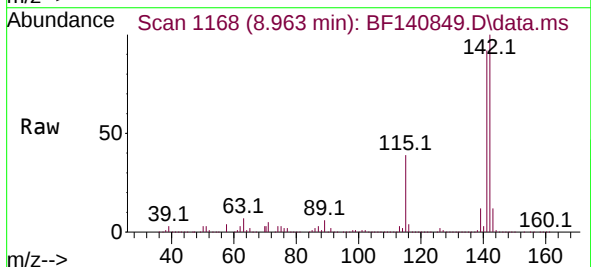
Acq: 13 Dec 2024 17:28

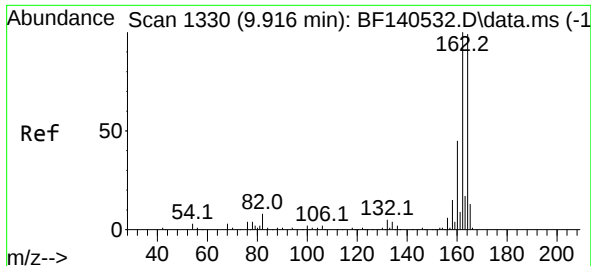
Tgt Ion:142 Resp: 2019737

Ion Ratio Lower Upper

142 100

141 91.5 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

BNA_F

ClientSampleId :

MW12-20241212

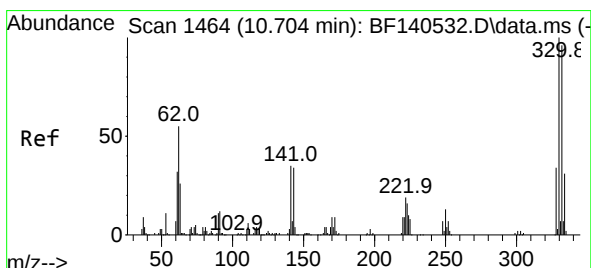
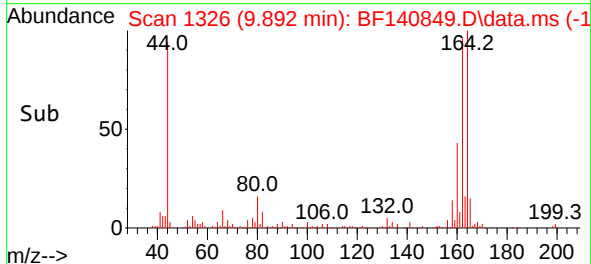
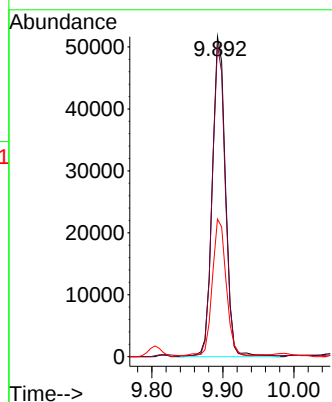
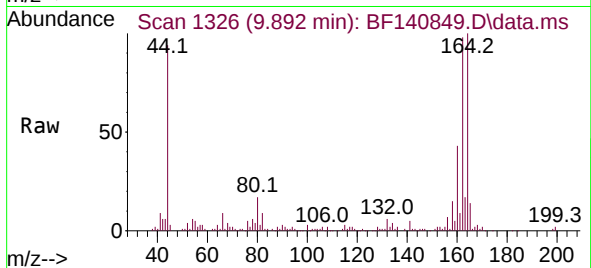
Tgt Ion:164 Resp: 66739

Ion Ratio Lower Upper

164 100

162 97.6 80.6 120.8

160 43.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 159.974 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

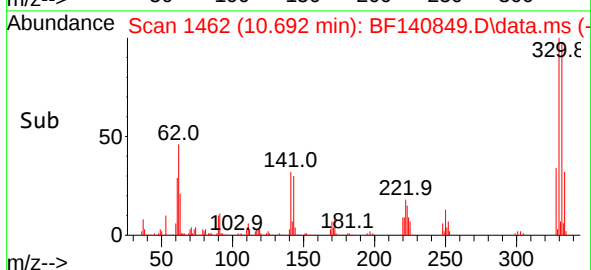
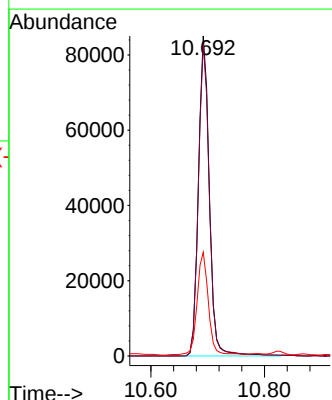
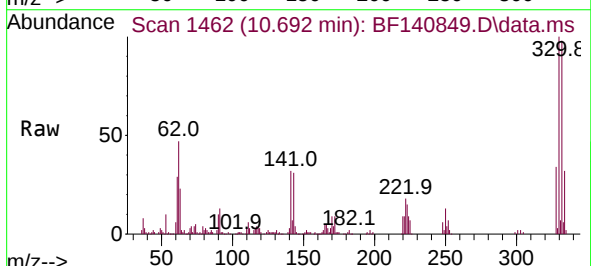
Tgt Ion:330 Resp: 114186

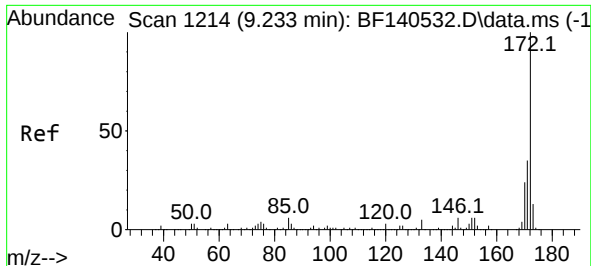
Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 33.4 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 97.042 ng

RT: 9.210 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

BNA_F

ClientSampleId :

MW12-20241212

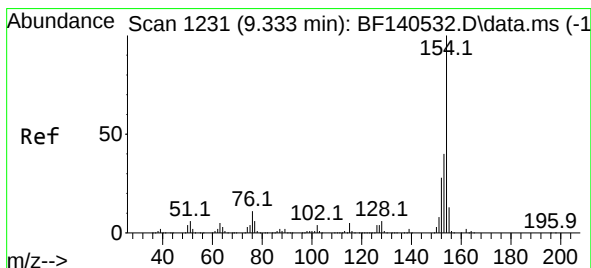
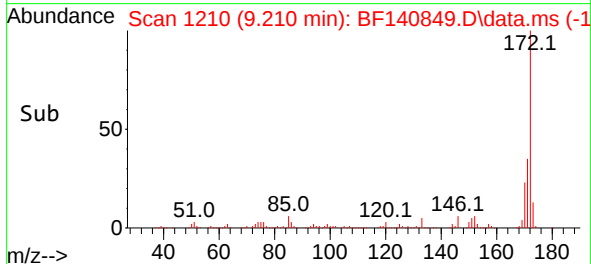
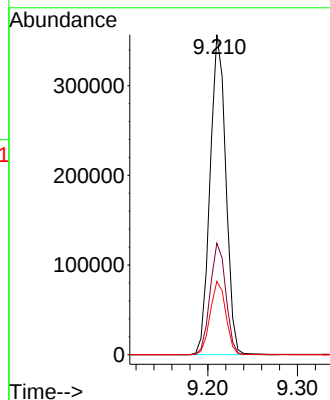
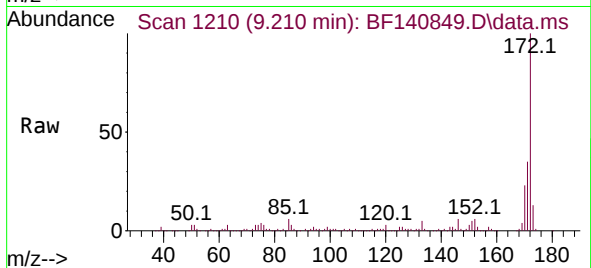
Tgt Ion:172 Resp: 434679

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 22.9 19.0 28.6



#46

1,1'-Biphenyl

Concen: 61.637 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.017 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

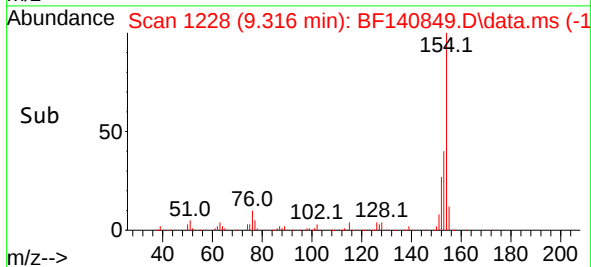
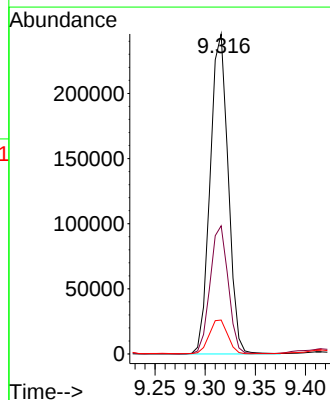
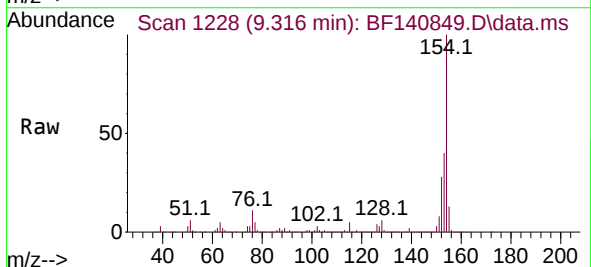
Tgt Ion:154 Resp: 307123

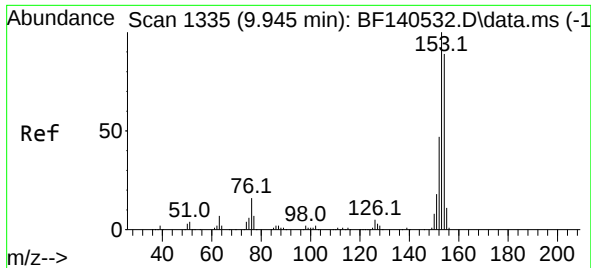
Ion Ratio Lower Upper

154 100

153 40.1 20.4 60.4

76 10.6 0.0 31.2





#52

Acenaphthene

Concen: 107.048 ng

RT: 9.928 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

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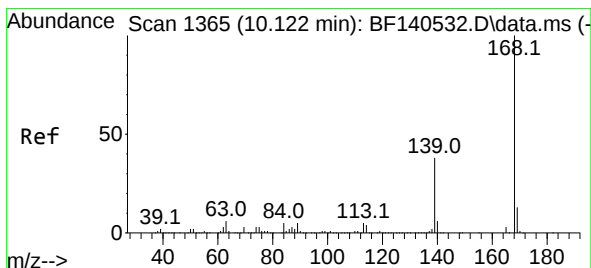
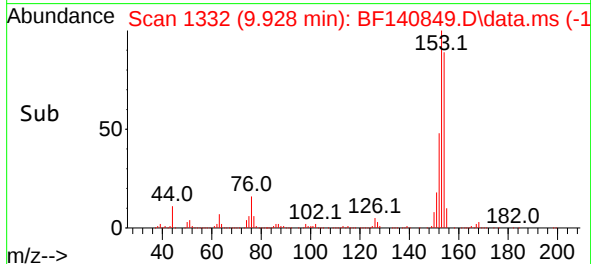
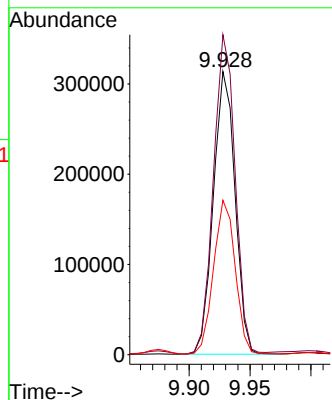
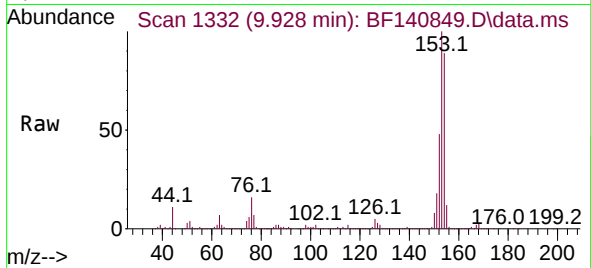
Tgt Ion:154 Resp: 388013

Ion Ratio Lower Upper

154 100

153 113.0 89.7 134.5

152 54.5 42.5 63.7



#55

Dibenzofuran

Concen: 4.868 ng

RT: 10.104 min Scan# 1362

Delta R.T. -0.018 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

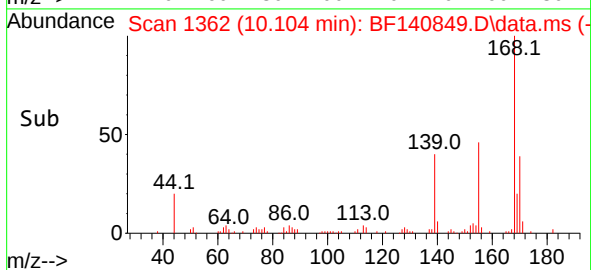
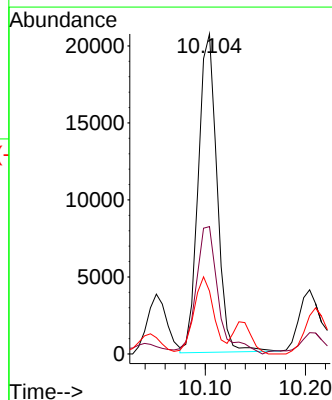
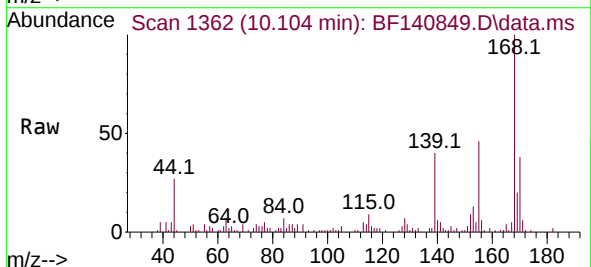
Tgt Ion:168 Resp: 26915

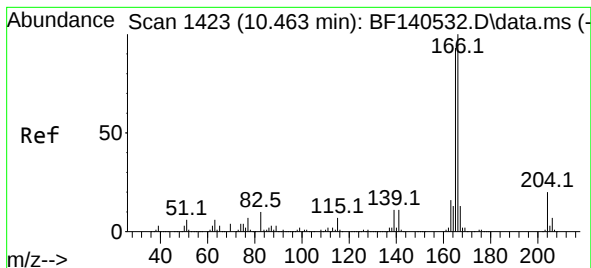
Ion Ratio Lower Upper

168 100

139 39.8 31.3 46.9

169 19.7 10.5 15.7#





#58

Fluorene

Concen: 41.273 ng

RT: 10.445 min Scan# 14

Delta R.T. -0.018 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

BNA_F

ClientSampleId :

MW12-20241212

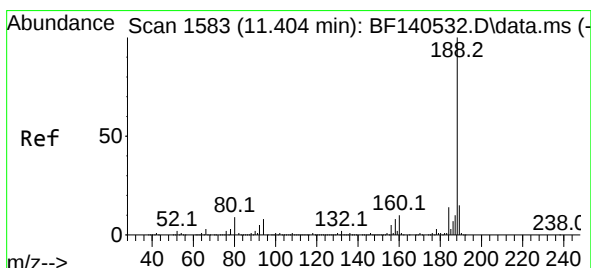
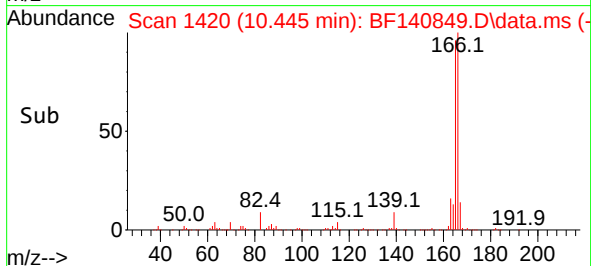
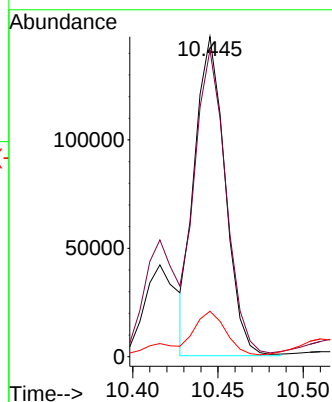
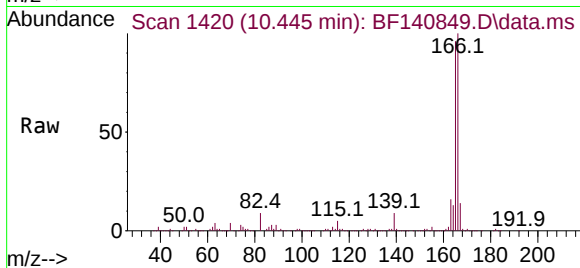
Tgt Ion:166 Resp: 183161

Ion Ratio Lower Upper

166 100

165 95.9 74.6 111.8

167 14.2 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

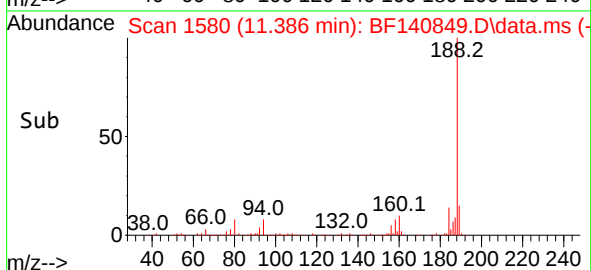
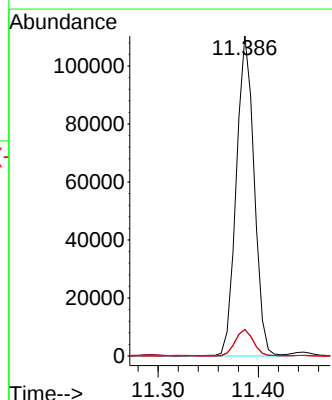
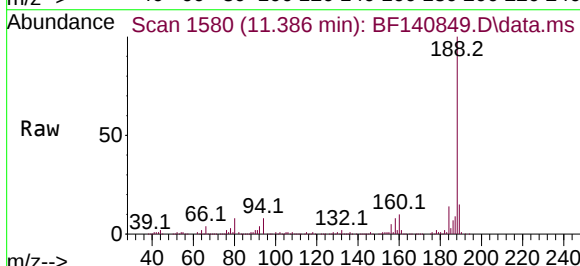
Tgt Ion:188 Resp: 136835

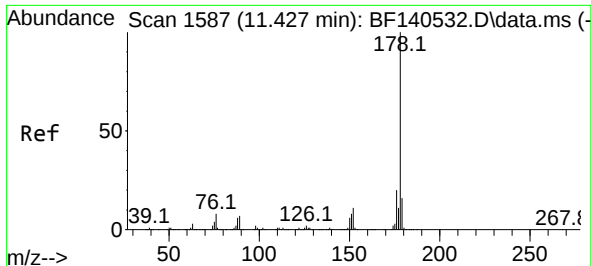
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 8.3 6.9 10.3

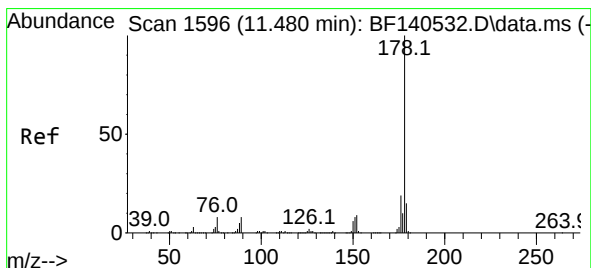
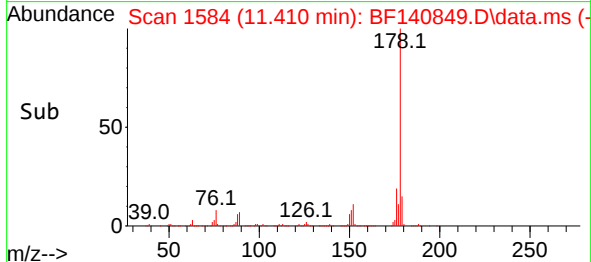
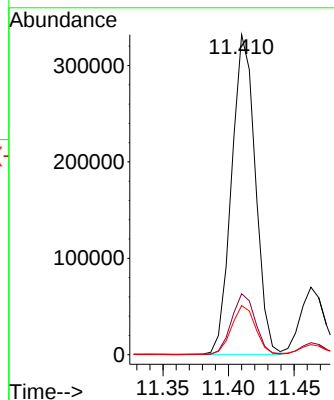
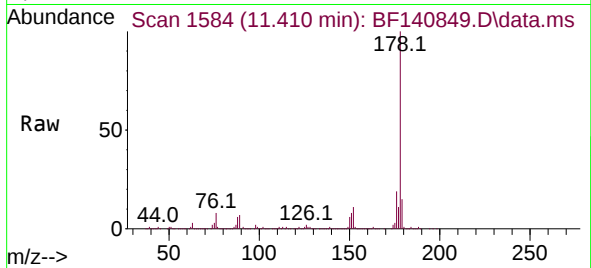




#71
Phenanthrene
Concen: 63.450 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.018 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

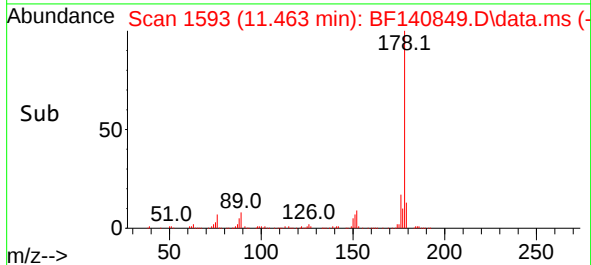
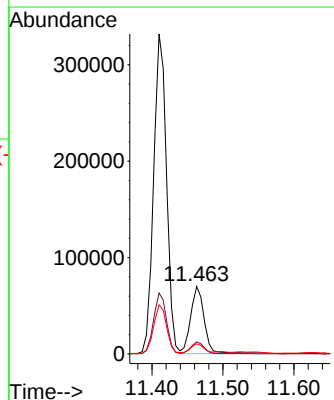
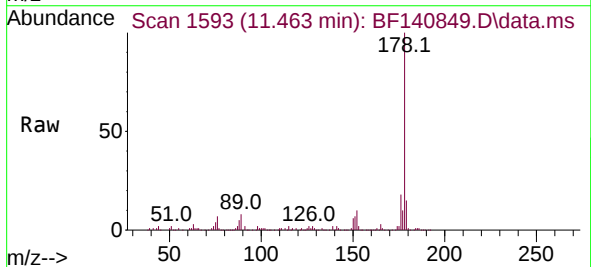
Instrument :
BNA_F
ClientSampleId :
MW12-20241212

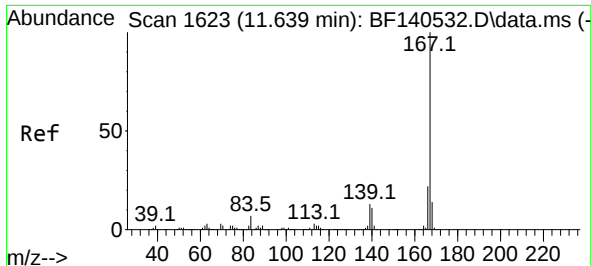
Tgt Ion:178 Resp: 417344
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.4 12.4 18.6



#72
Anthracene
Concen: 14.281 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.018 min
Lab File: BF140849.D
Acq: 13 Dec 2024 17:28

Tgt Ion:178 Resp: 91887
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.4
179 15.0 12.2 18.4

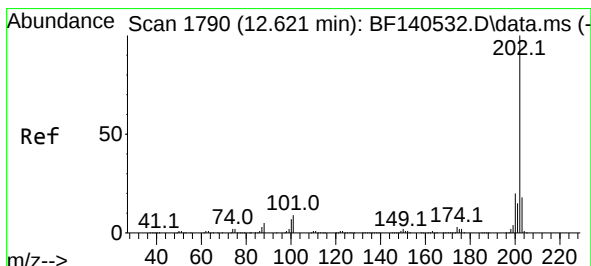
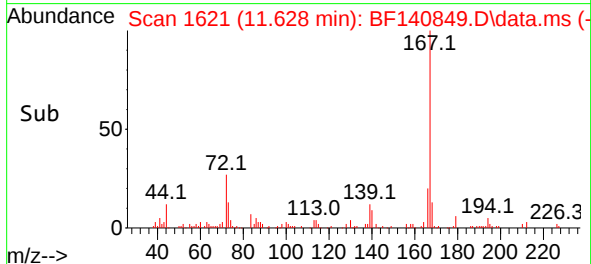
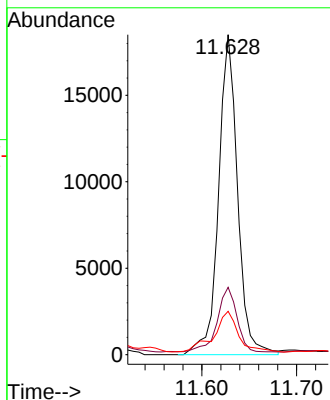
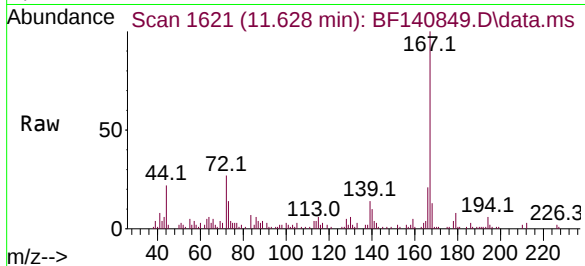




#73
 Carbazole
 Concen: 4.182 ng
 RT: 11.628 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF140849.D
 Acq: 13 Dec 2024 17:28

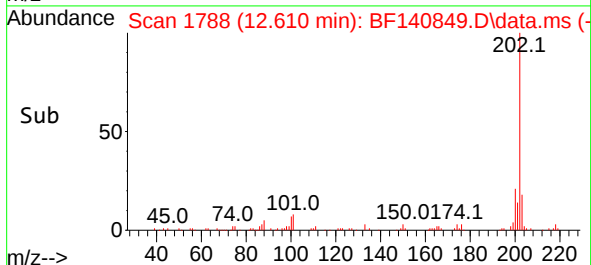
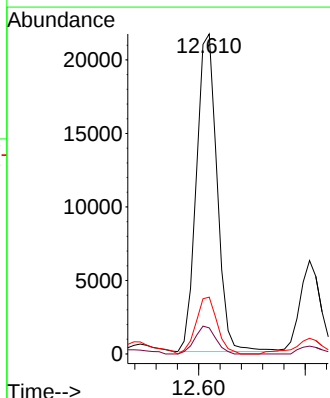
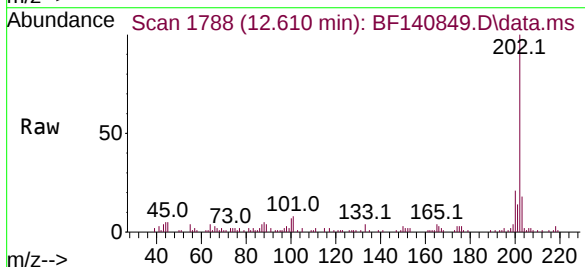
Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212

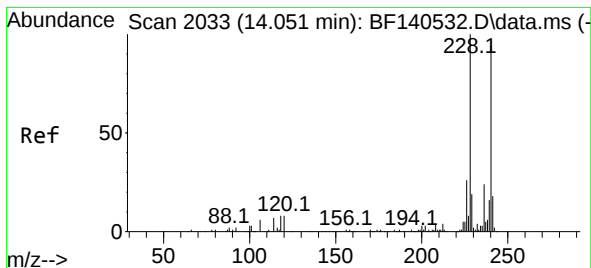
Tgt Ion:167	Resp:	25885
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.2 25.8
139	13.6	10.6 15.8



#75
 Fluoranthene
 Concen: 4.075 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.012 min
 Lab File: BF140849.D
 Acq: 13 Dec 2024 17:28

Tgt Ion:202	Resp:	29104
Ion Ratio	Lower	Upper
202	100	
101	8.1	0.0 28.9
203	17.8	0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

Instrument :

BNA_F

ClientSampleId :

MW12-20241212

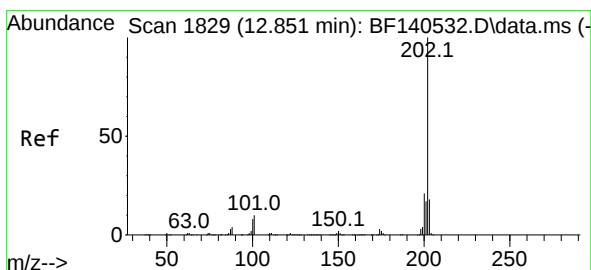
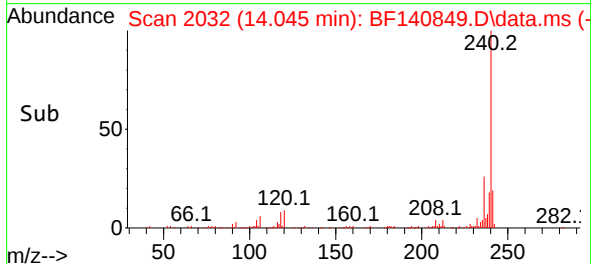
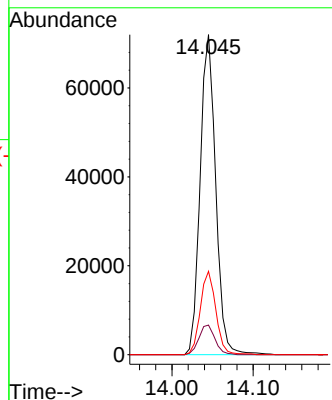
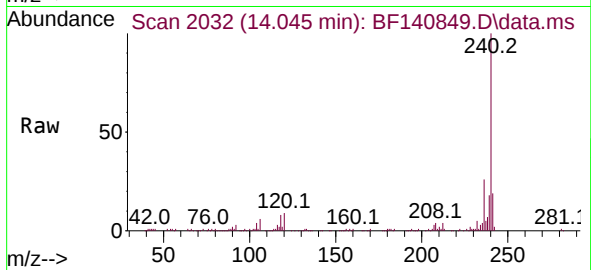
Tgt Ion:240 Resp: 95873

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 26.0 20.6 31.0



#78

Pyrene

Concen: 5.801 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140849.D

Acq: 13 Dec 2024 17:28

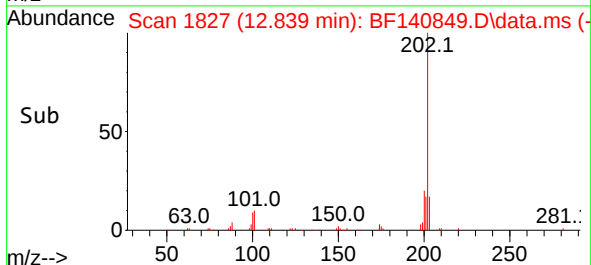
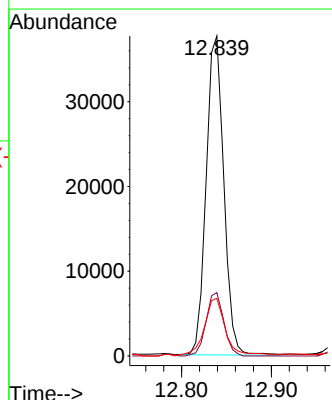
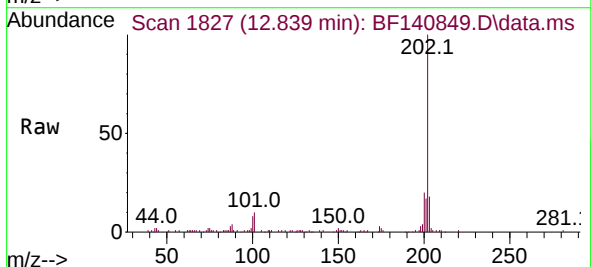
Tgt Ion:202 Resp: 51420

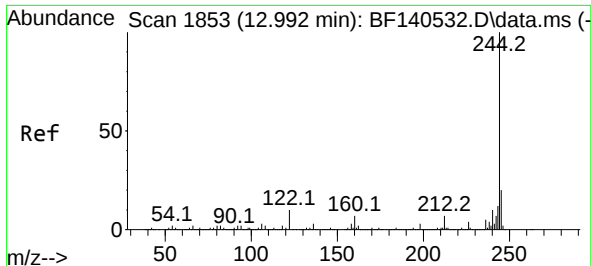
Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

203 18.0 14.2 21.4

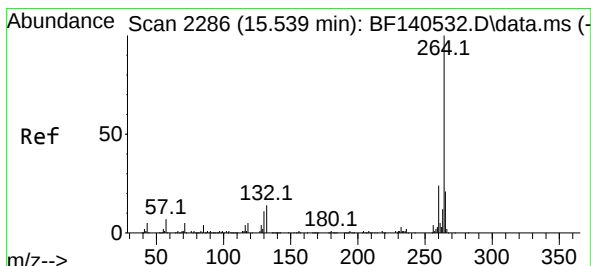
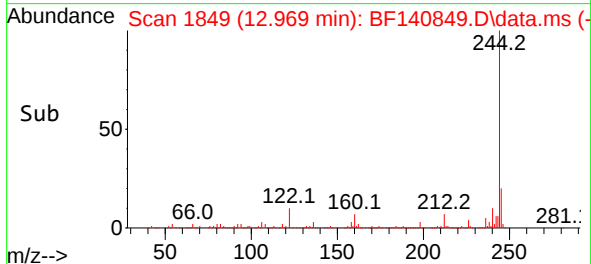
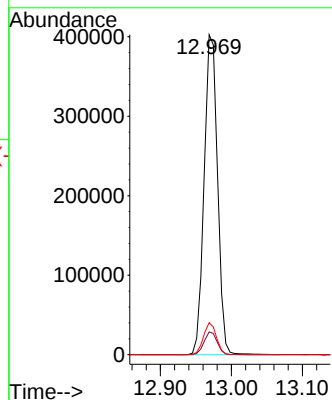
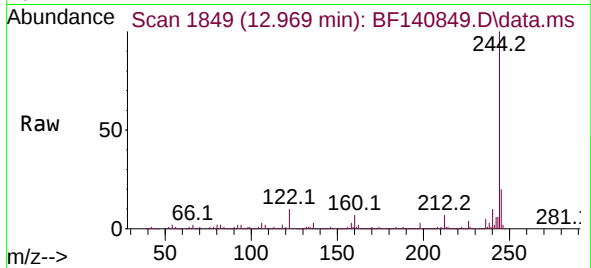




#79
 Terphenyl-d14
 Concen: 85.985 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.023 min
 Lab File: BF140849.D
 Acq: 13 Dec 2024 17:28

Instrument :
 BNA_F
 ClientSampleId :
 MW12-20241212

Tgt Ion:244 Resp: 529415
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.0 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2289
 Delta R.T. 0.018 min
 Lab File: BF140849.D
 Acq: 13 Dec 2024 17:28

Tgt Ion:264 Resp: 89401
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 21.3 16.6 25.0

