

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122324\
 Data File : BF140966.D
 Acq On : 23 Dec 2024 15:01
 Operator : RC/JU
 Sample : P5291-05DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW2-20241213DL

Quant Time: Dec 23 15:36:55 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)

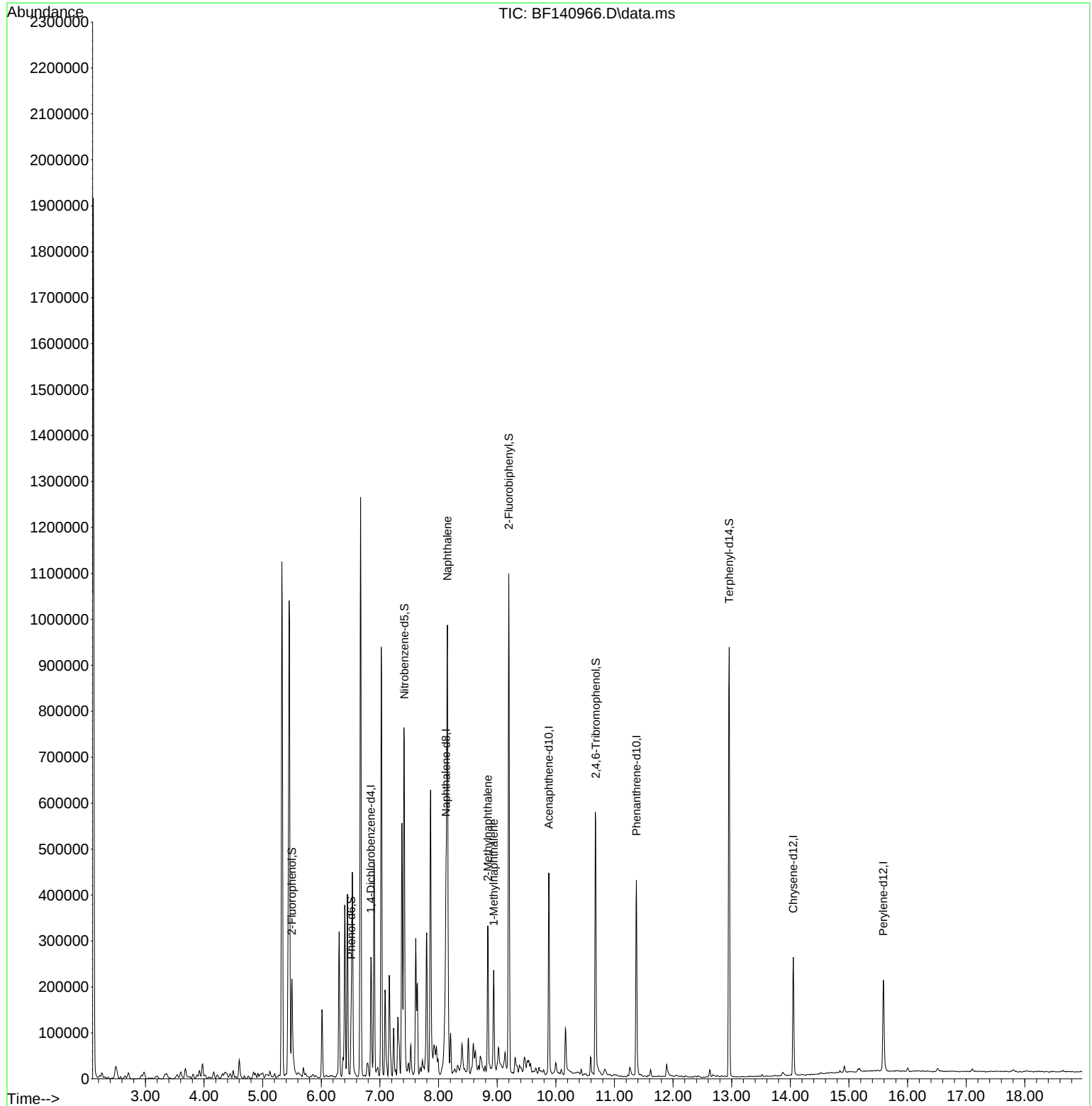
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	58565	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	225919	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	131761	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	224646	20.000	ng	0.00
76) Chrysene-d12	14.051	240	137117	20.000	ng	0.02
86) Perylene-d12	15.586	264	130425	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	115697	32.521	ng	0.01
7) Phenol-d6	6.510	99	90601	19.227	ng	0.01
23) Nitrobenzene-d5	7.416	82	218048	48.288	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	109129	70.028	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	484923	50.599	ng	0.00
79) Terphenyl-d14	12.957	244	465565	53.541	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	572174	46.106	ng	99
37) 2-Methylnaphthalene	8.839	142	120020	14.620	ng	100
38) 1-Methylnaphthalene	8.939	142	76198	9.385	ng	99

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

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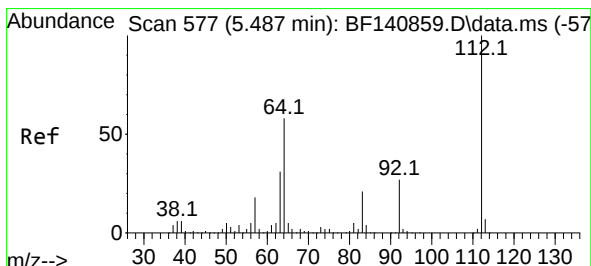
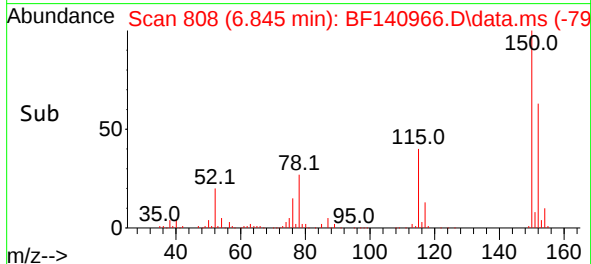
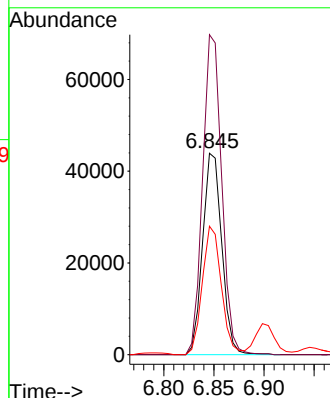
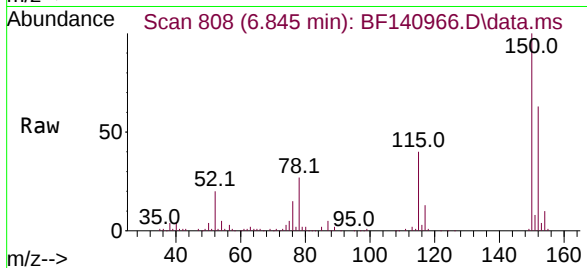




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

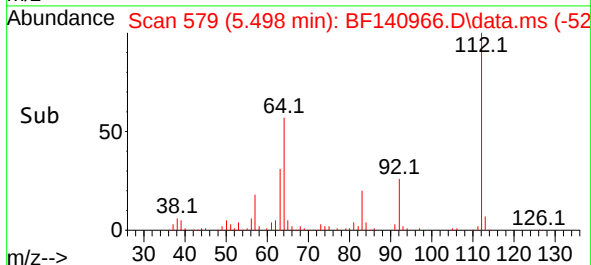
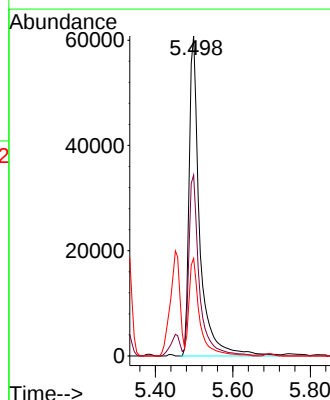
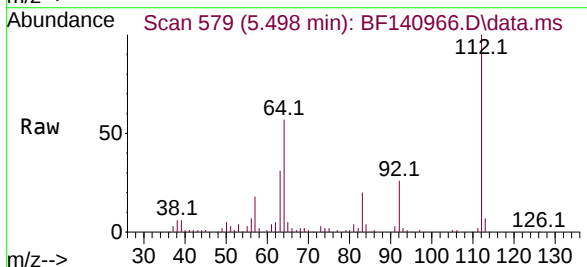
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL

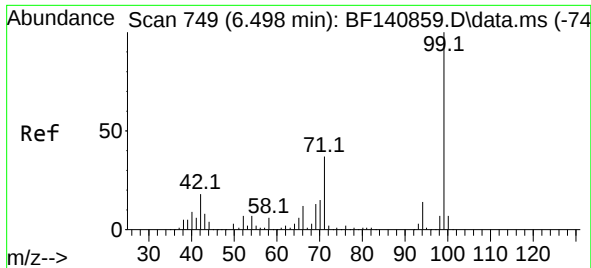
Tgt Ion:152 Resp: 58565
Ion Ratio Lower Upper
152 100
150 158.8 127.9 191.9
115 63.8 48.0 72.0



#5
2-Fluorophenol
Concen: 32.521 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:112 Resp: 115697
Ion Ratio Lower Upper
112 100
64 56.5 46.1 69.1
63 30.5 24.9 37.3

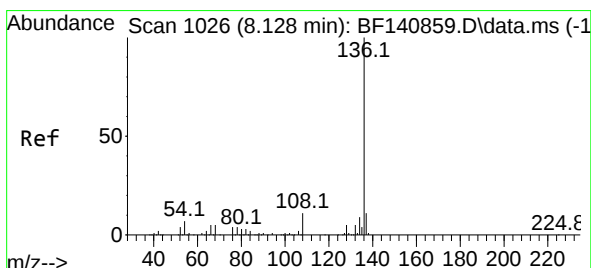
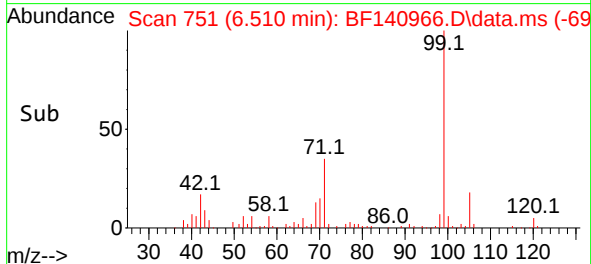
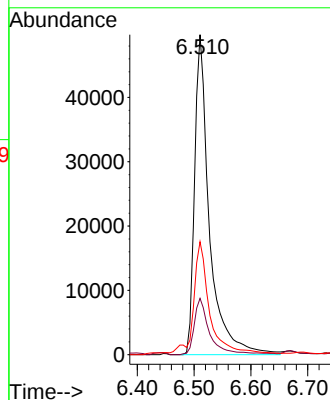
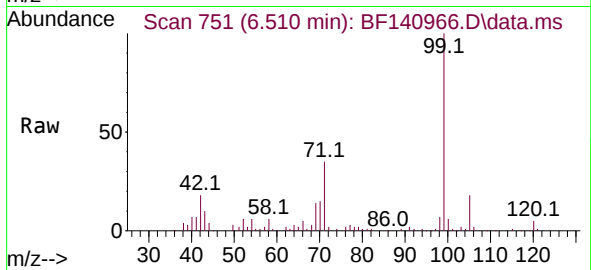




#7
Phenol-d6
Concen: 19.227 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

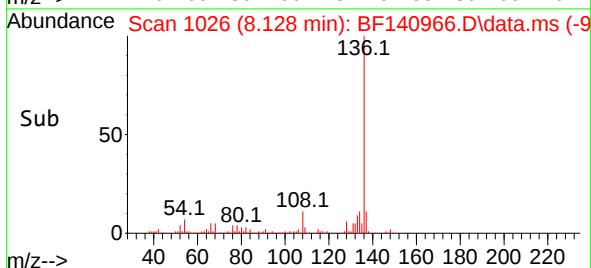
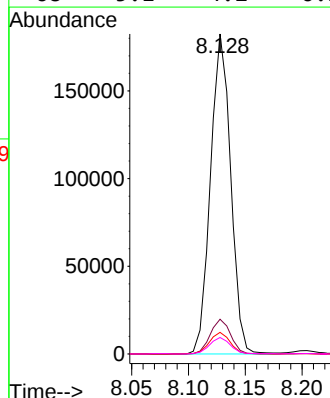
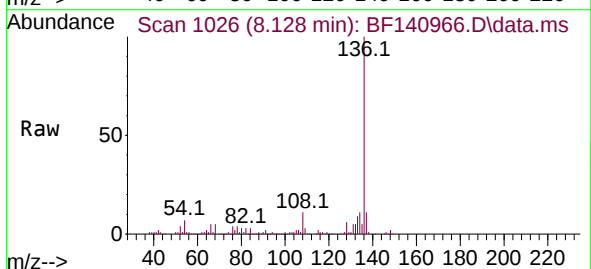
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL

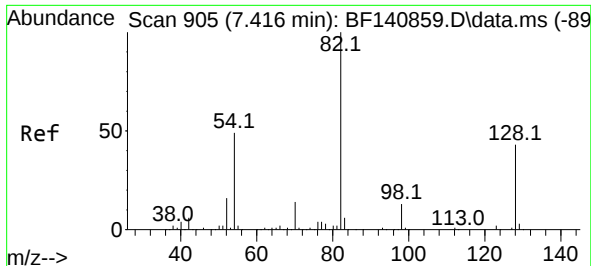
Tgt Ion: 99 Resp: 90601
Ion Ratio Lower Upper
99 100
42 17.6 14.3 21.5
71 35.3 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion: 136 Resp: 225919
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 6.7 5.6 8.4
68 5.1 4.2 6.2





#23

Nitrobenzene-d5

Concen: 48.288 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

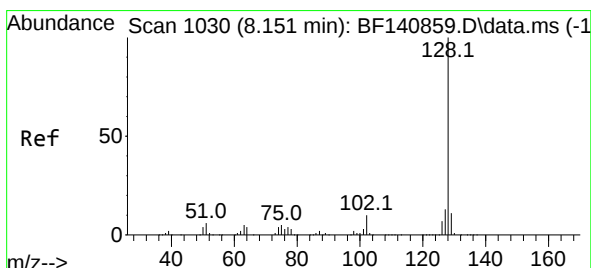
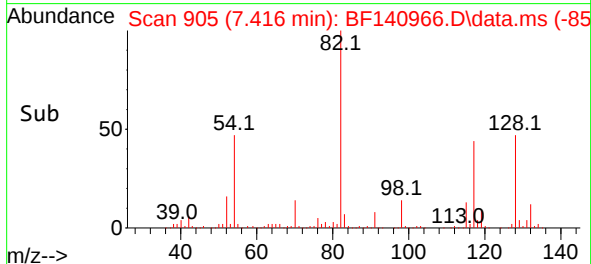
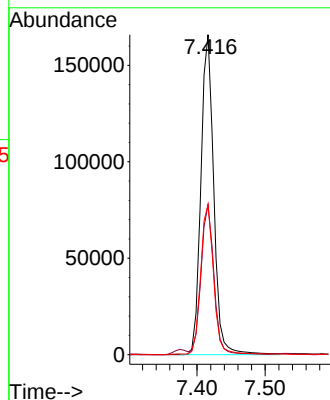
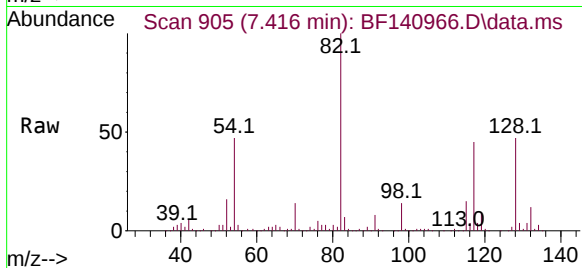
Tgt Ion: 82 Resp: 218048

Ion Ratio Lower Upper

82 100

128 46.9 34.4 51.6

54 46.9 38.8 58.2



#31

Naphthalene

Concen: 46.106 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

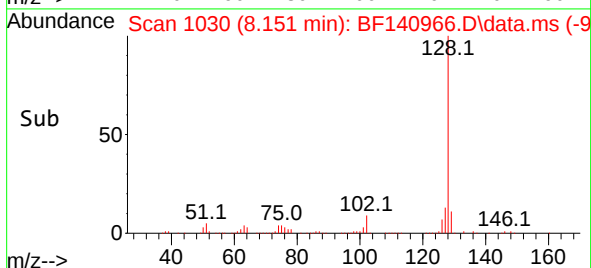
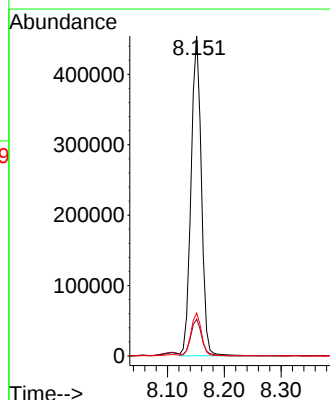
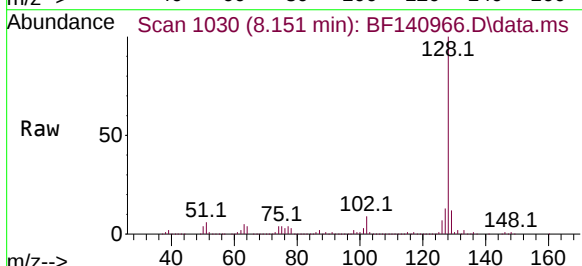
Tgt Ion: 128 Resp: 572174

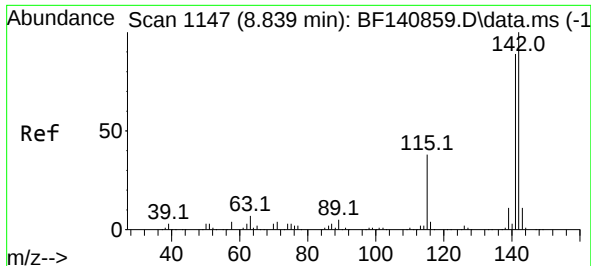
Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

127 13.4 10.6 16.0





#37

2-Methylnaphthalene

Concen: 14.620 ng

RT: 8.839 min Scan# 1147

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

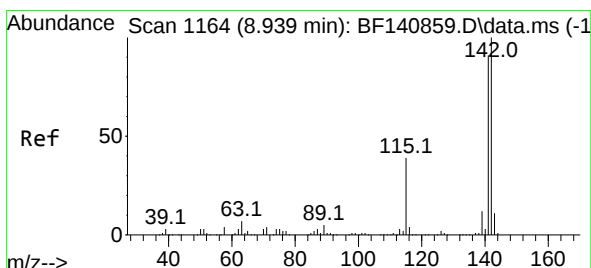
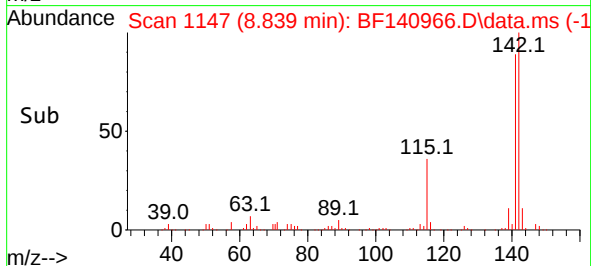
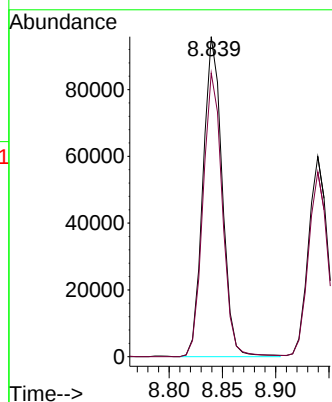
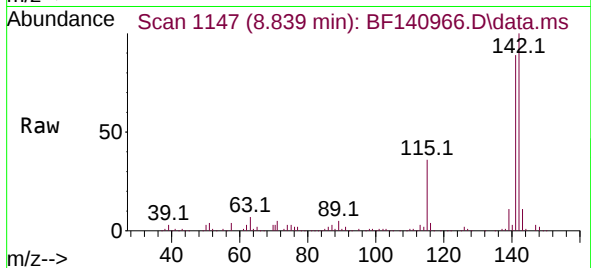
MW2-20241213DL

Tgt Ion:142 Resp: 120020

Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.6



#38

1-Methylnaphthalene

Concen: 9.385 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140966.D

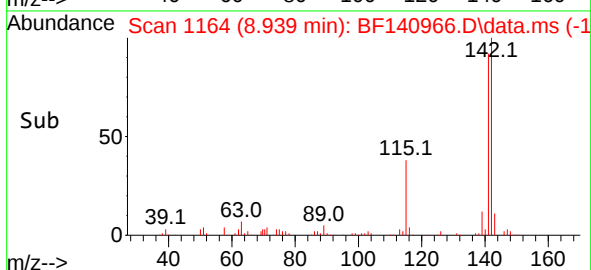
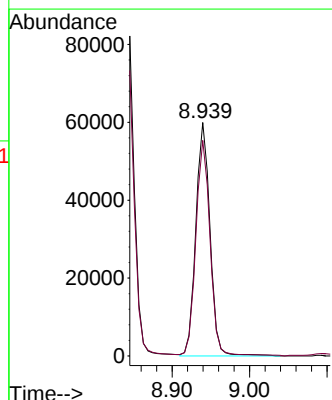
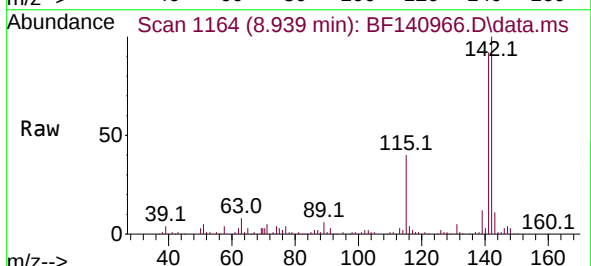
Acq: 23 Dec 2024 15:01

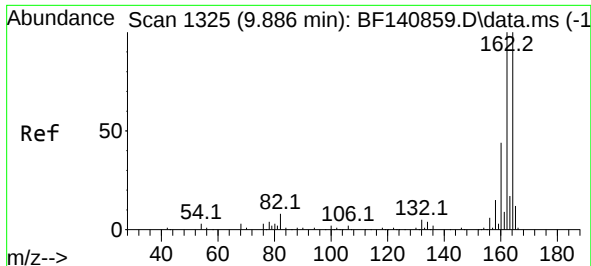
Tgt Ion:142 Resp: 76198

Ion Ratio Lower Upper

142 100

141 92.3 73.4 110.0

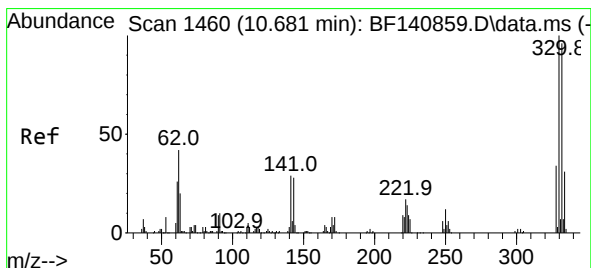
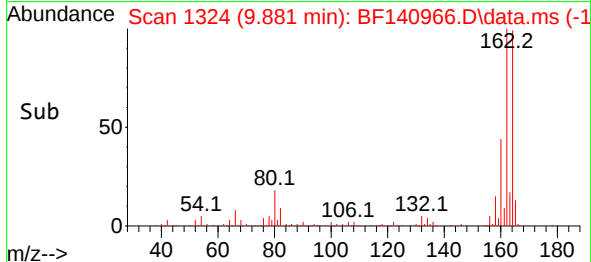
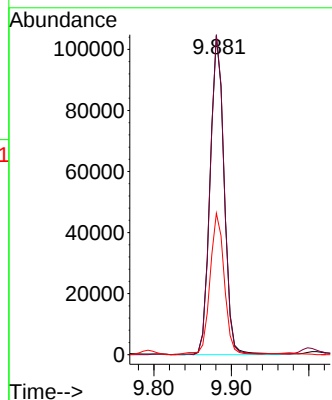
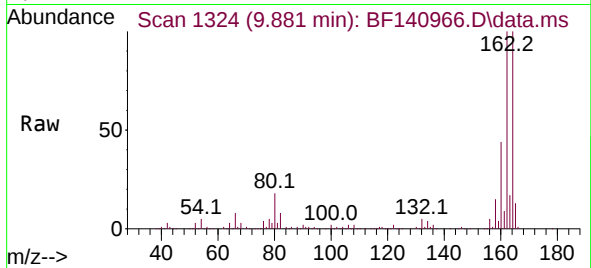




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

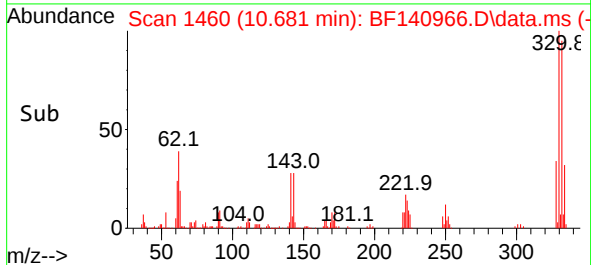
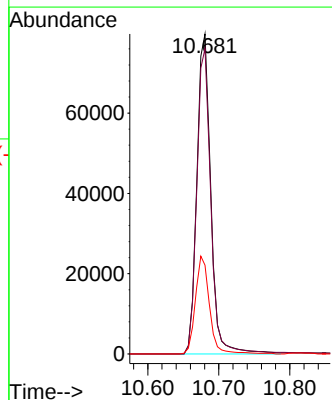
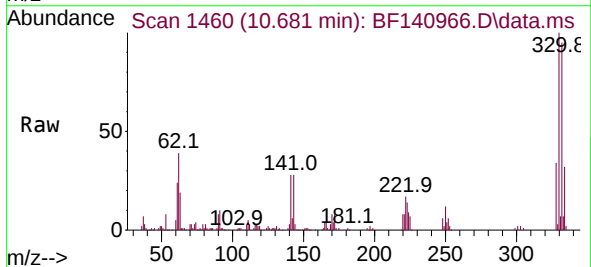
Instrument :
BNA_F
ClientSampleId :
MW2-20241213DL

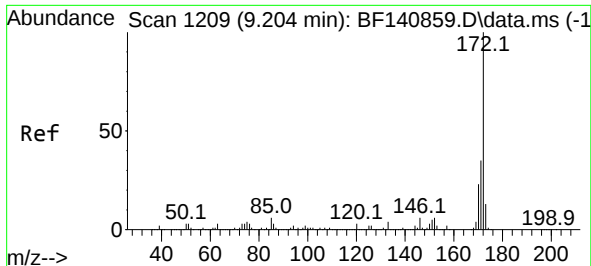
Tgt Ion:164 Resp: 131761
Ion Ratio Lower Upper
164 100
162 100.3 79.9 119.9
160 44.3 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 70.028 ng
RT: 10.681 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140966.D
Acq: 23 Dec 2024 15:01

Tgt Ion:330 Resp: 109129
Ion Ratio Lower Upper
330 100
332 96.5 76.2 114.4
141 30.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 50.599 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

ClientSampleId :

MW2-20241213DL

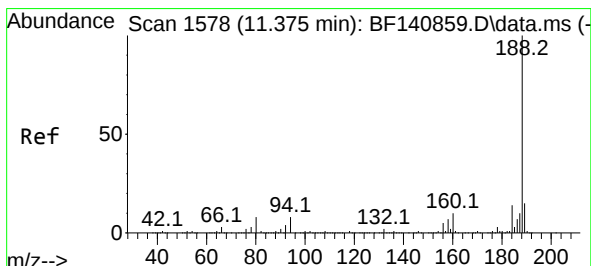
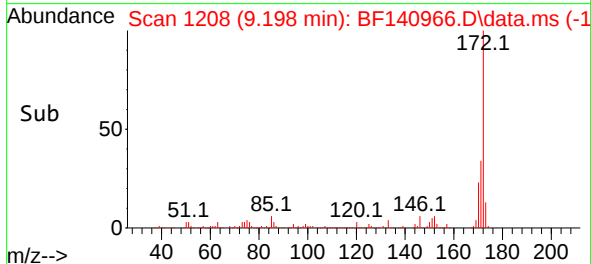
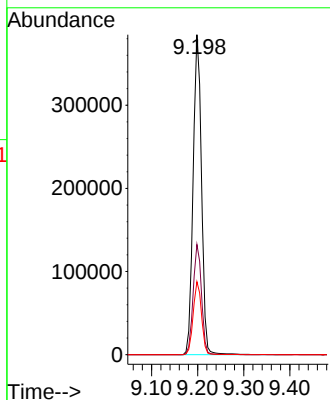
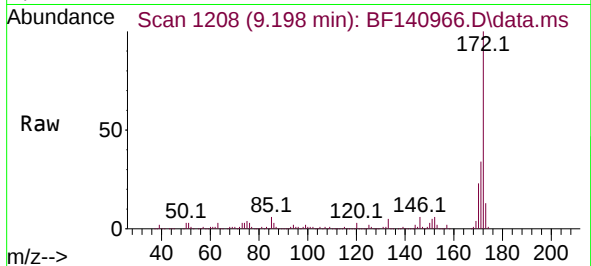
Tgt Ion:172 Resp: 484923

Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 22.8 18.6 28.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1578

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

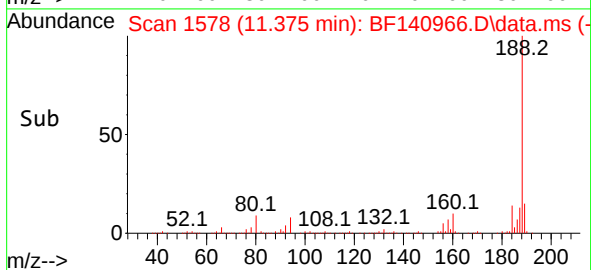
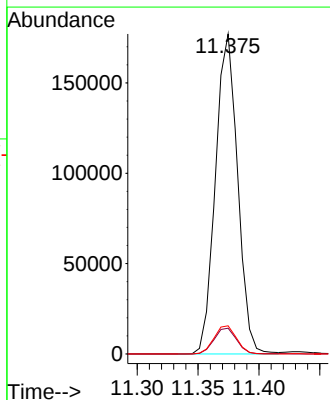
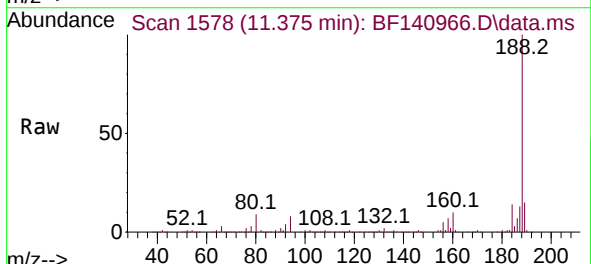
Tgt Ion:188 Resp: 224646

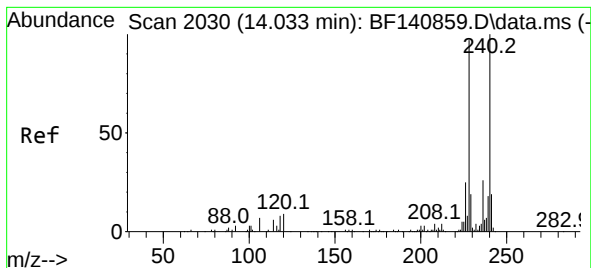
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.8 6.8 10.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.018 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

Instrument :

BNA_F

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MW2-20241213DL

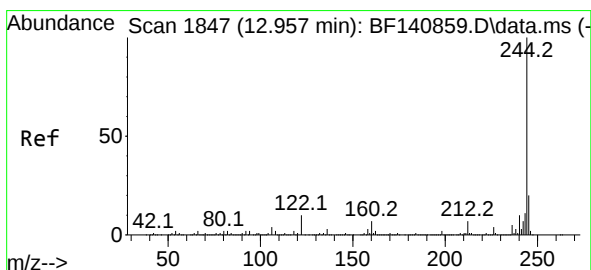
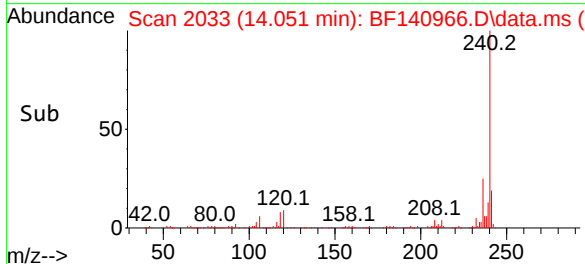
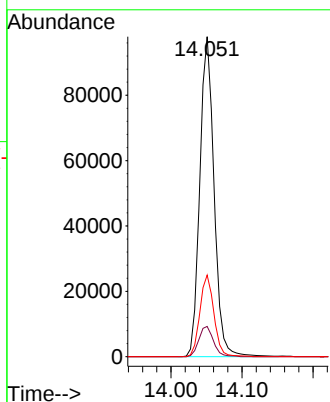
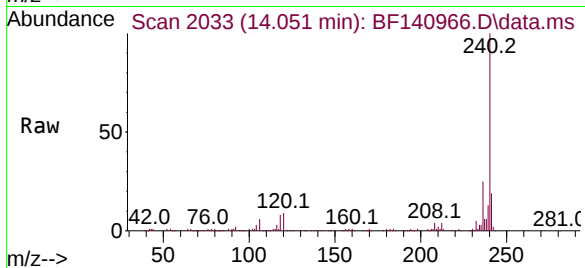
Tgt Ion:240 Resp: 137117

Ion Ratio Lower Upper

240 100

120 9.5 7.6 11.4

236 25.5 20.5 30.7



#79

Terphenyl-d14

Concen: 53.541 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140966.D

Acq: 23 Dec 2024 15:01

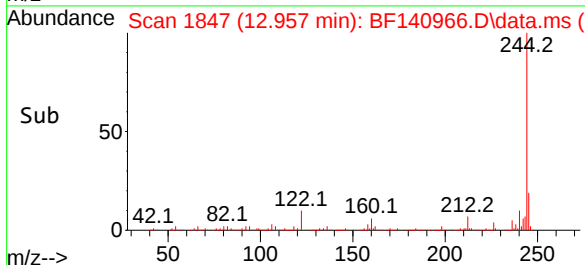
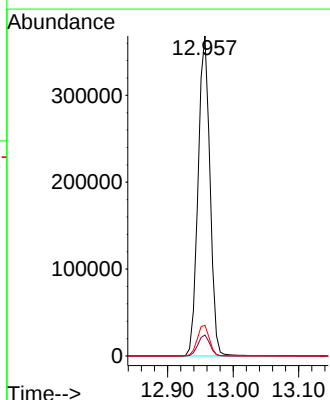
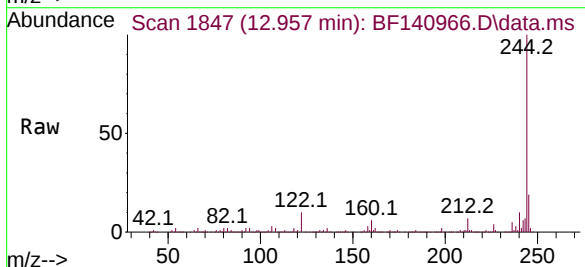
Tgt Ion:244 Resp: 465565

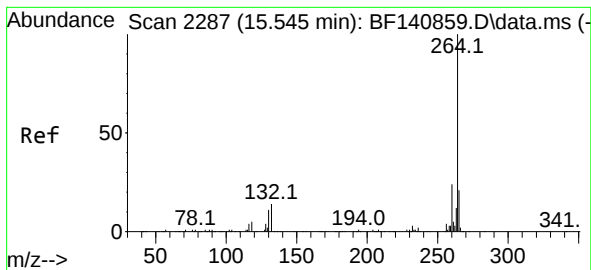
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 9.6 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.586 min Scan# 21
 Delta R.T. 0.041 min
 Lab File: BF140966.D
 Acq: 23 Dec 2024 15:01

Instrument :
 BNA_F
 ClientSampleId :
 MW2-20241213DL

Tgt Ion:264 Resp: 130425
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.1 28.7
 265 21.8 17.0 25.4

