

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140710.D
 Acq On : 03 Dec 2024 14:59
 Operator : RC/JU
 Sample : P5021-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-08

Quant Time: Dec 03 15:20:05 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)

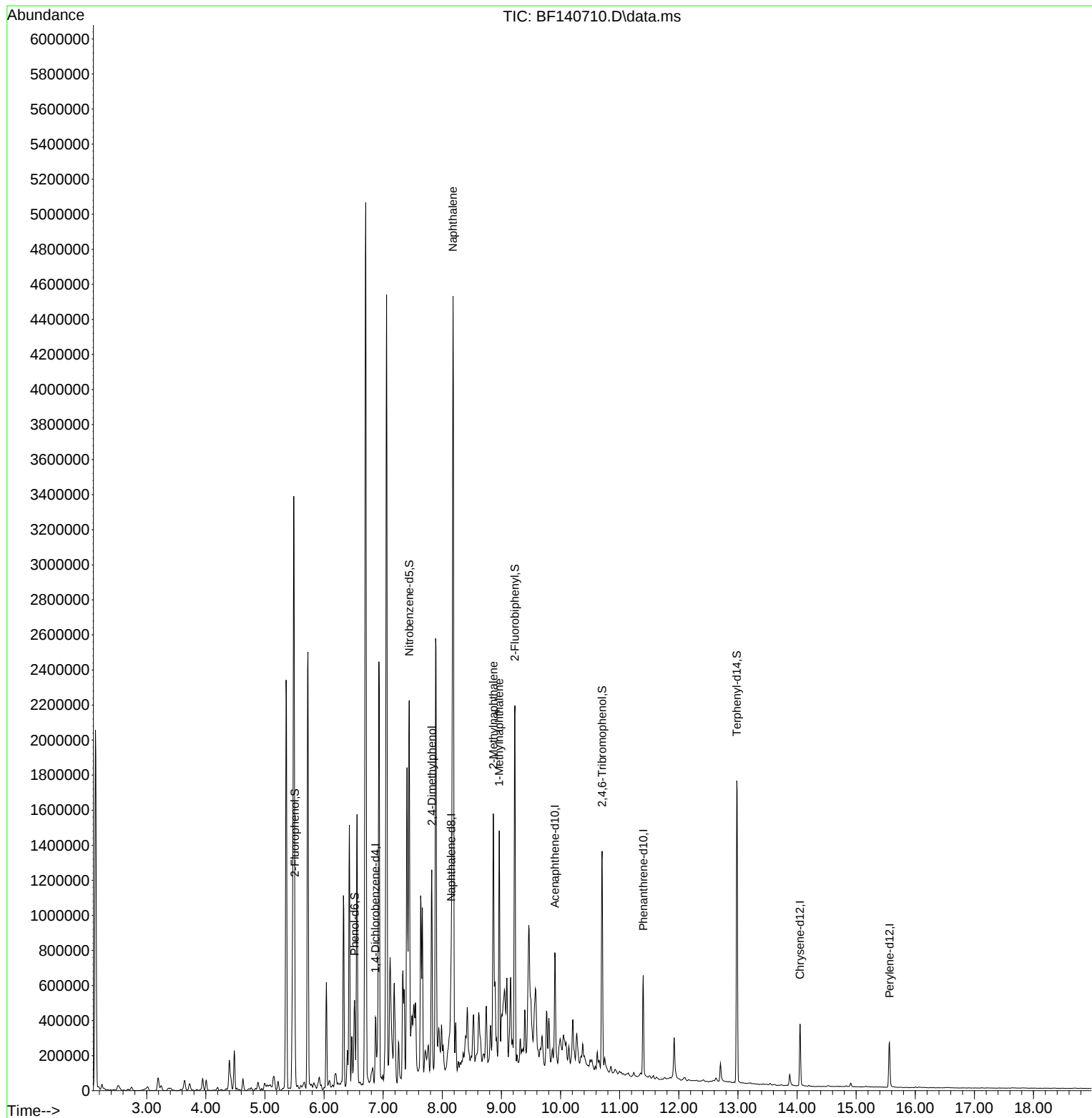
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	83408	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	298688	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	174661	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	305249	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169161	20.000	ng	0.00
86) Perylene-d12	15.563	264	157526	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	248109	50.754	ng	0.00
7) Phenol-d6	6.516	99	245388	37.970	ng	0.00
23) Nitrobenzene-d5	7.440	82	443409	75.934	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	224850	120.369	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	898488	76.645	ng	0.00
79) Terphenyl-d14	12.980	244	876447	80.677	ng	-0.01
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	7.822	122	34212	10.691	ng	94
31) Naphthalene	8.181	128	3017917	196.159	ng	98
37) 2-Methylnaphthalene	8.863	142	453953	46.455	ng	99
38) 1-Methylnaphthalene	8.963	142	308697	32.228	ng	100

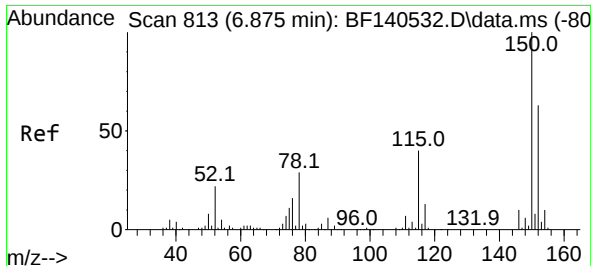
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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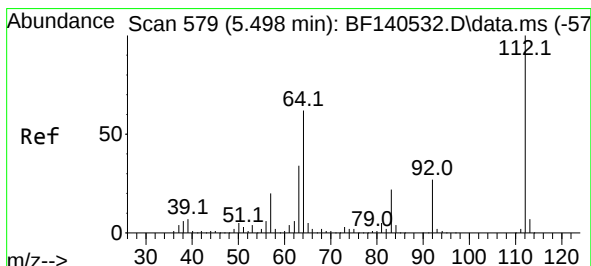
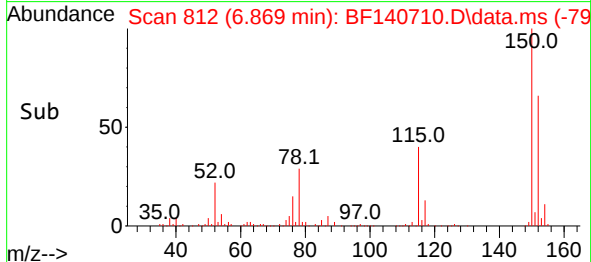
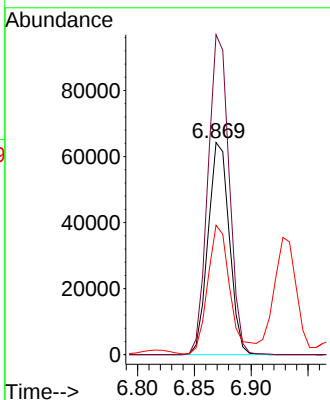
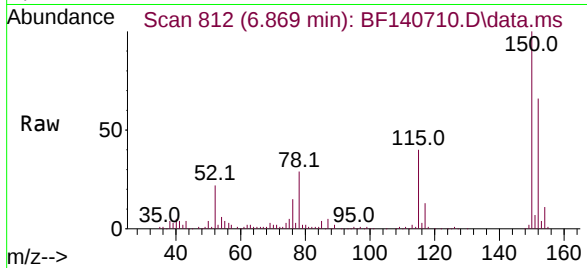




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

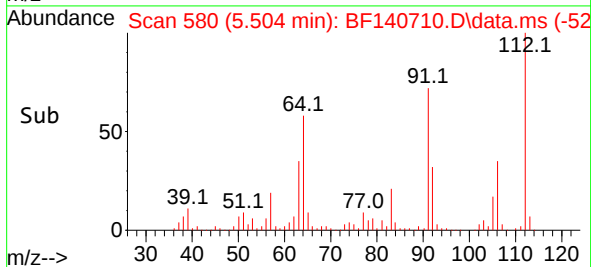
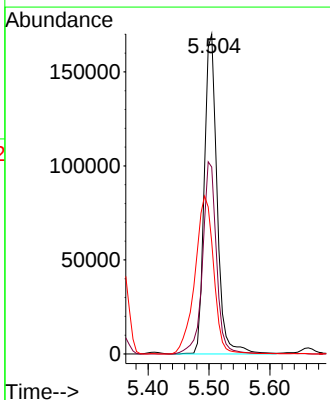
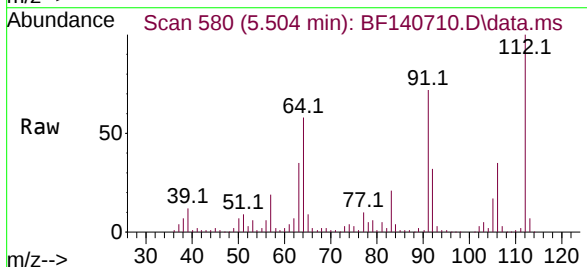
Instrument :
BNA_F
ClientSampleId :
MW-08

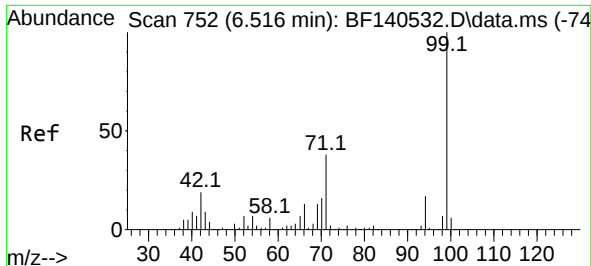
Tgt Ion:152 Resp: 83408
Ion Ratio Lower Upper
152 100
150 150.8 128.5 192.7
115 61.0 50.2 75.4



#5
2-Fluorophenol
Concen: 50.754 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:112 Resp: 248109
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 35.0 27.0 40.4

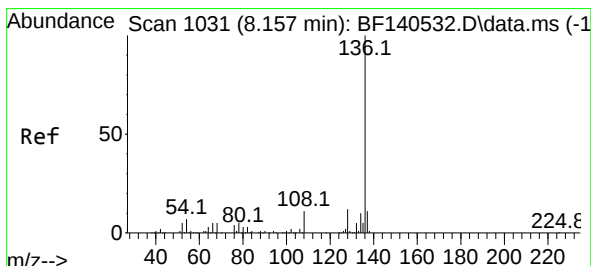
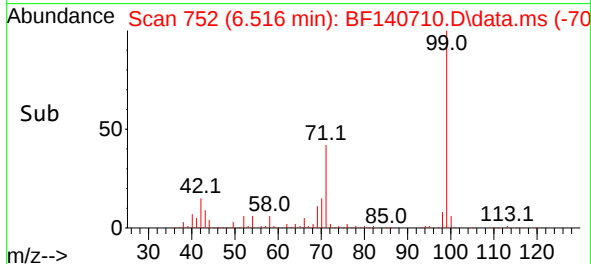
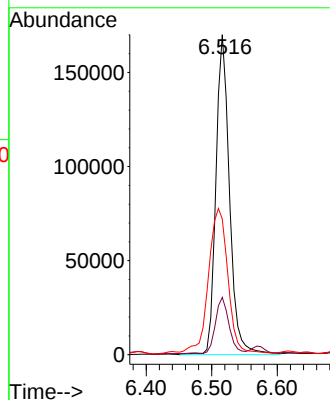
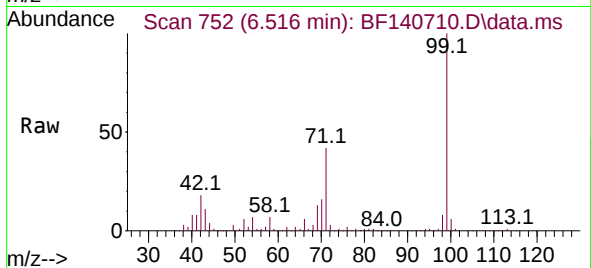




#7
Phenol-d6
Concen: 37.970 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

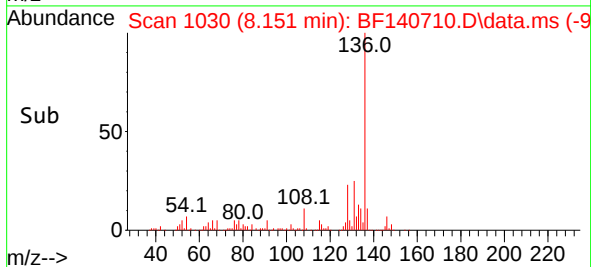
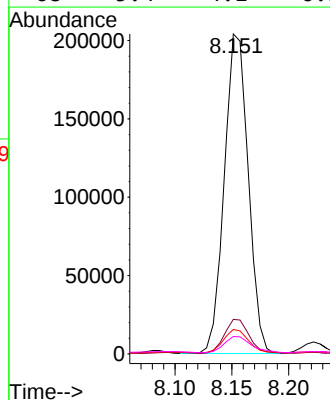
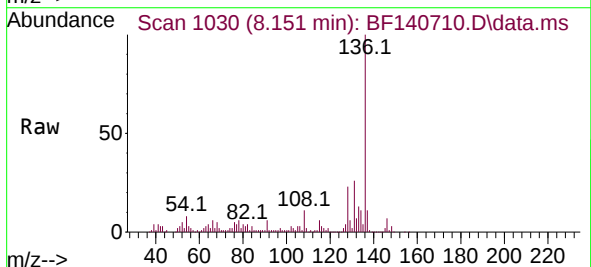
Instrument :
BNA_F
ClientSampleId :
MW-08

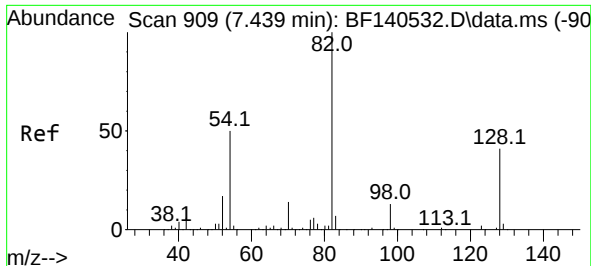
Tgt Ion: 99 Resp: 245388
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 42.4 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:136 Resp: 298688
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.6 5.8 8.8
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 75.934 ng

RT: 7.440 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

MW-08

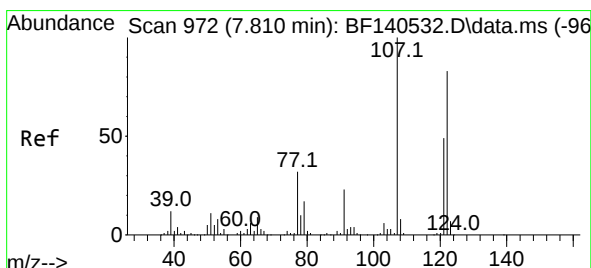
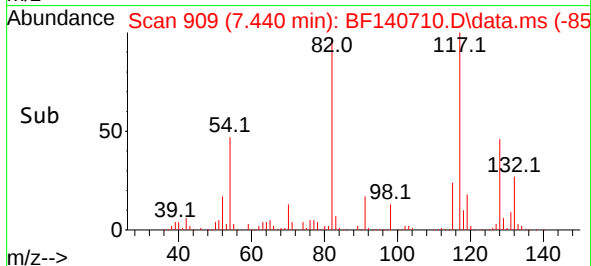
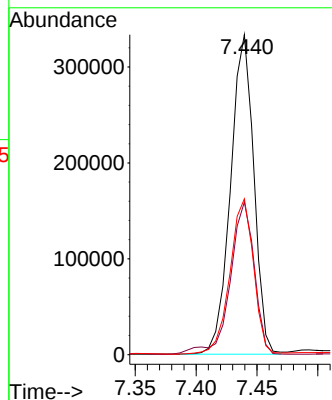
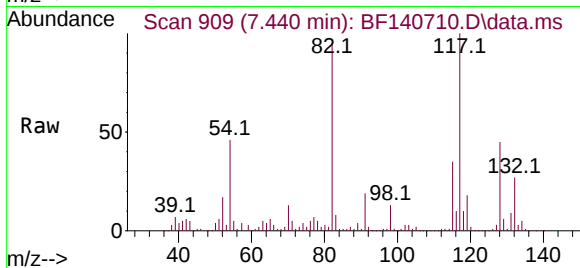
Tgt Ion: 82 Resp: 443409

Ion Ratio Lower Upper

82 100

128 47.7 33.0 49.4

54 48.7 39.5 59.3



#27

2,4-Dimethylphenol

Concen: 10.691 ng

RT: 7.822 min Scan# 974

Delta R.T. 0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

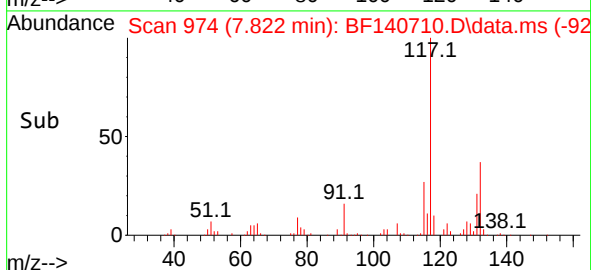
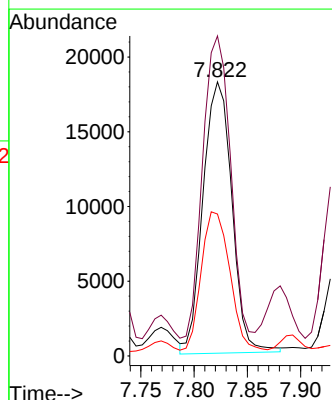
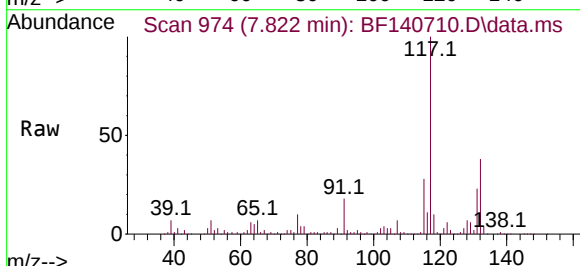
Tgt Ion:122 Resp: 34212

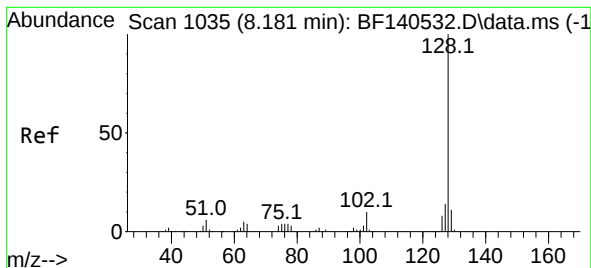
Ion Ratio Lower Upper

122 100

107 116.8 96.8 145.2

121 51.8 47.4 71.0





#31

Naphthalene

Concen: 196.159 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

MW-08

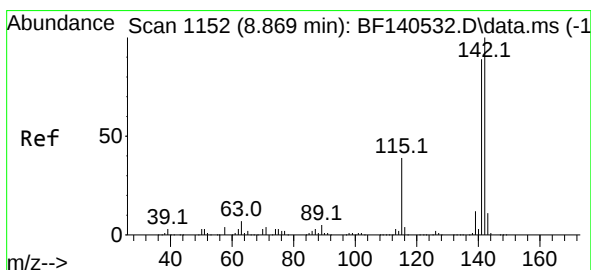
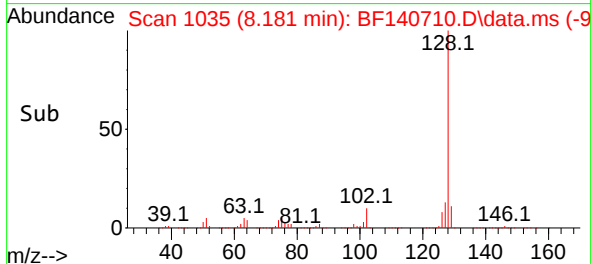
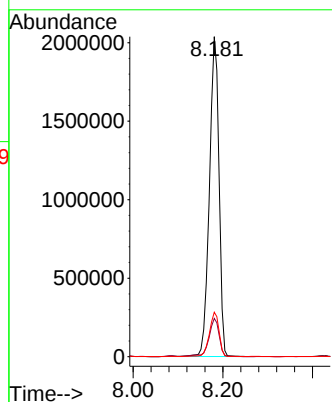
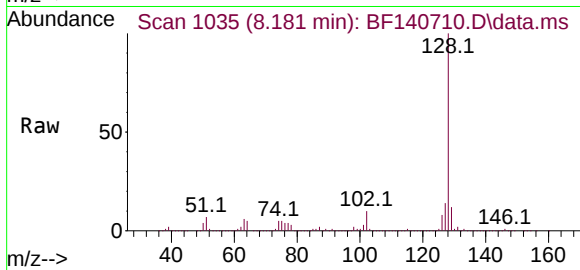
Tgt Ion:128 Resp: 3017917

Ion Ratio Lower Upper

128 100

129 11.9 8.6 13.0

127 13.9 10.8 16.2



#37

2-Methylnaphthalene

Concen: 46.455 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF140710.D

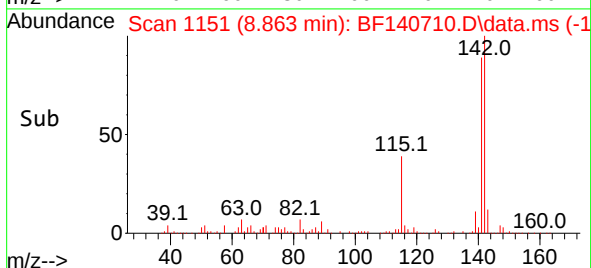
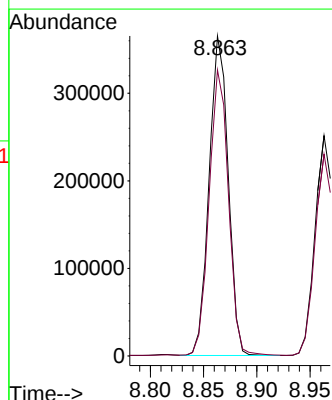
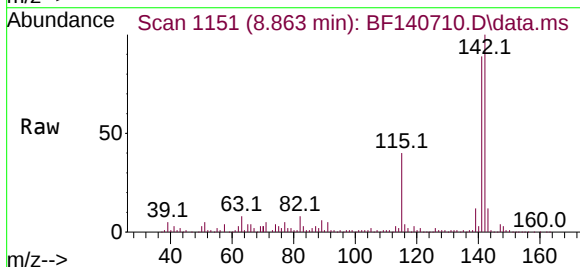
Acq: 03 Dec 2024 14:59

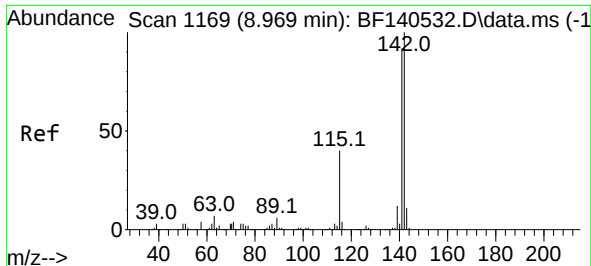
Tgt Ion:142 Resp: 453953

Ion Ratio Lower Upper

142 100

141 89.4 71.0 106.6





#38

1-Methylnaphthalene

Concen: 32.228 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

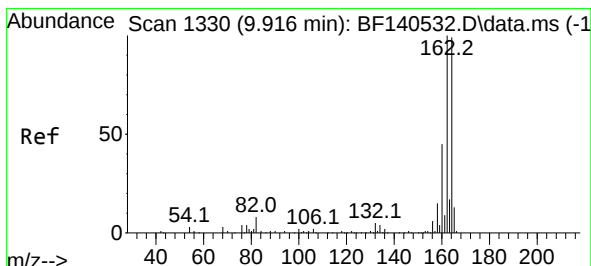
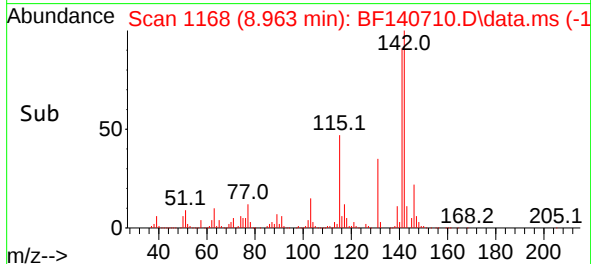
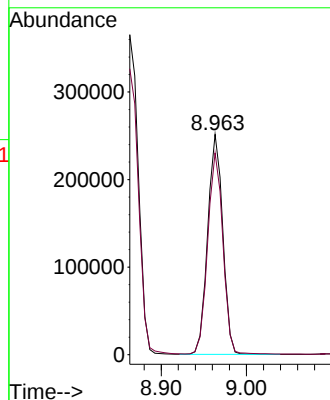
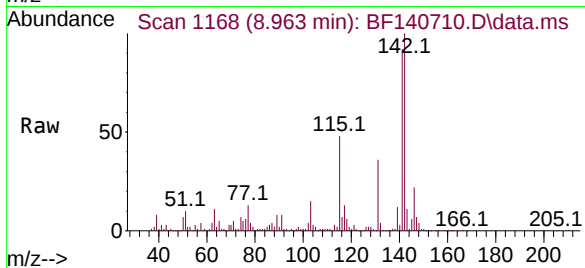
MW-08

Tgt Ion:142 Resp: 308697

Ion Ratio Lower Upper

142 100

141 91.6 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

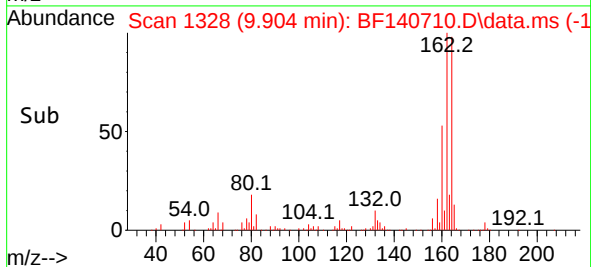
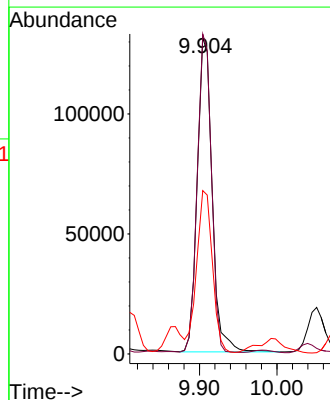
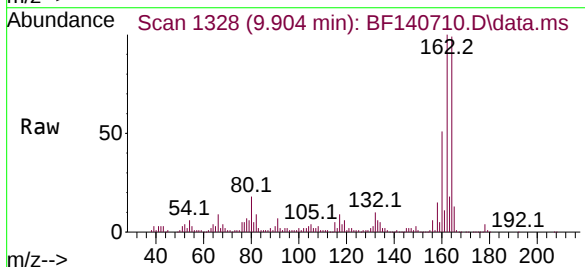
Tgt Ion:164 Resp: 174661

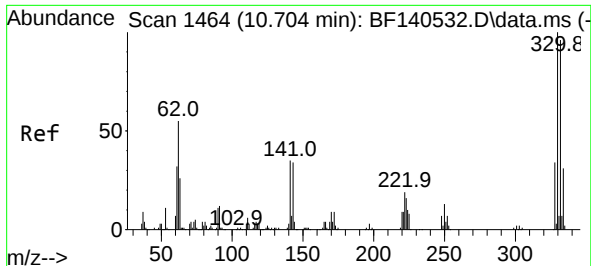
Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 51.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 120.369 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF140710.D

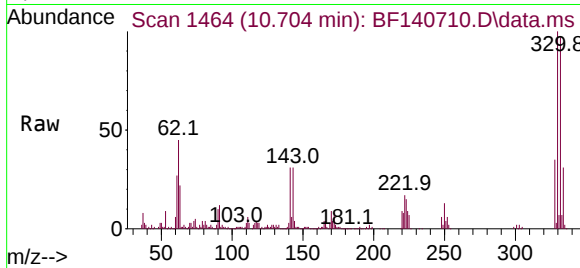
Acq: 03 Dec 2024 14:59

Instrument :

BNA_F

ClientSampleId :

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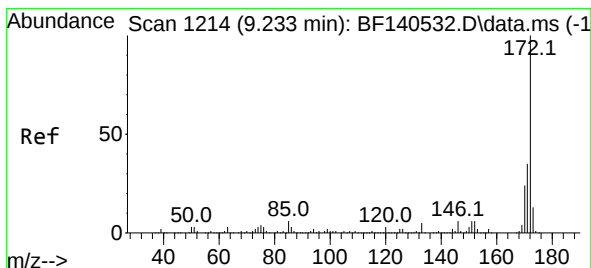
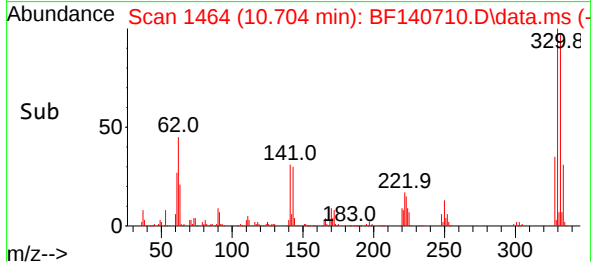
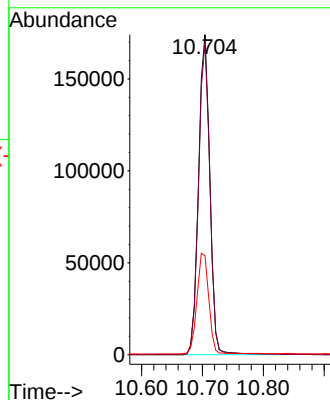
Tgt Ion:330 Resp: 224850

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

141 32.8 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 76.645 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140710.D

Acq: 03 Dec 2024 14:59

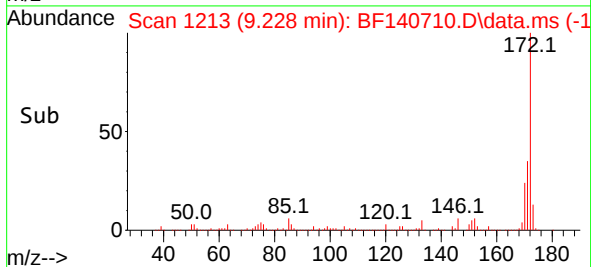
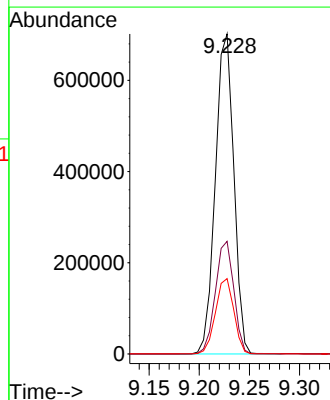
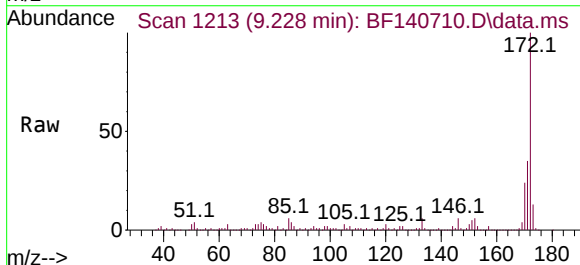
Tgt Ion:172 Resp: 898488

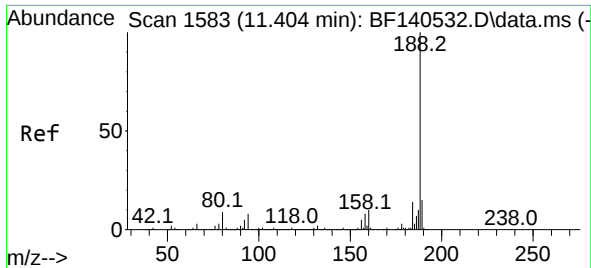
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.6 19.0 28.6

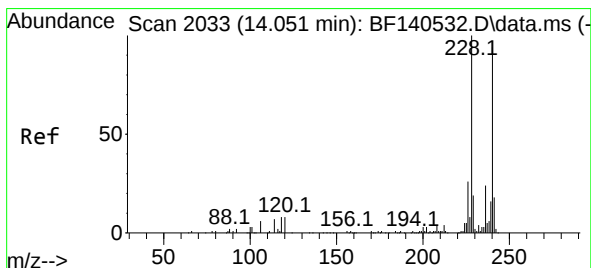
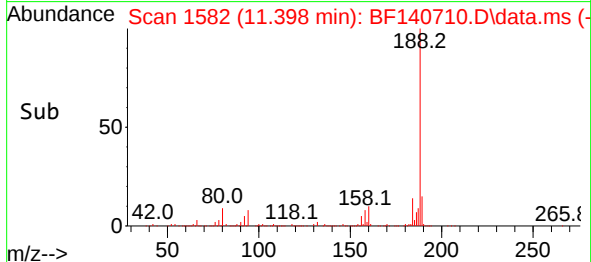
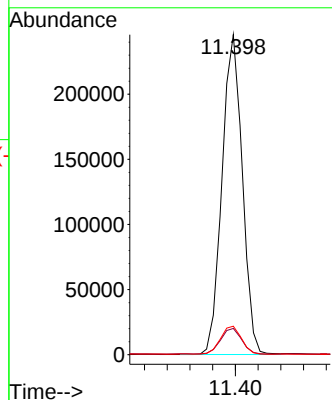
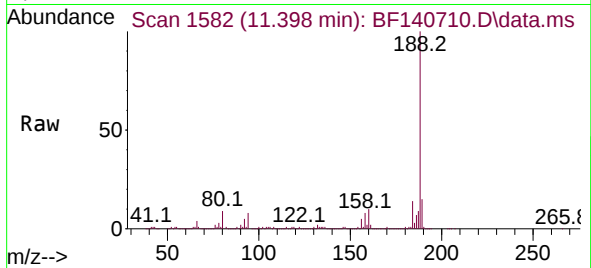




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

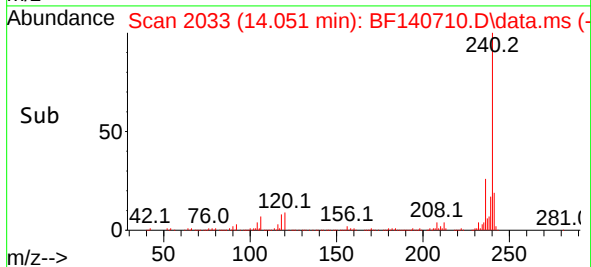
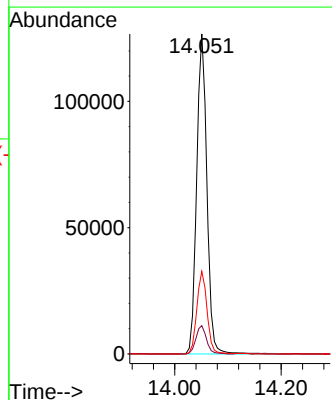
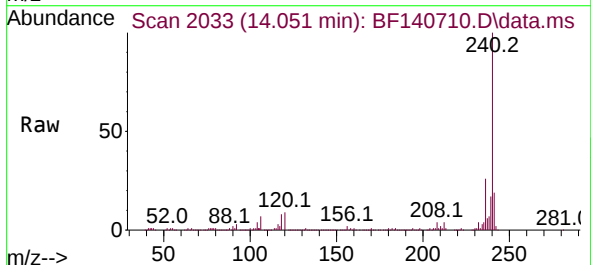
Instrument :
BNA_F
ClientSampleId :
MW-08

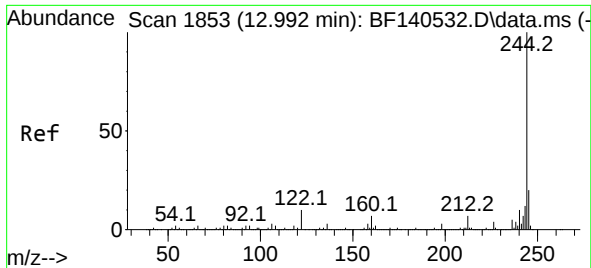
Tgt Ion:188 Resp: 305249
Ion Ratio Lower Upper
188 100
94 8.2 6.4 9.6
80 8.9 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:240 Resp: 169161
Ion Ratio Lower Upper
240 100
120 8.8 7.3 10.9
236 25.8 20.6 31.0

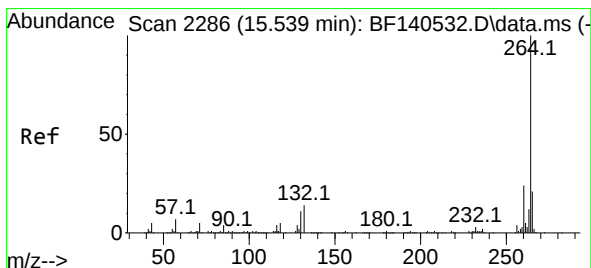
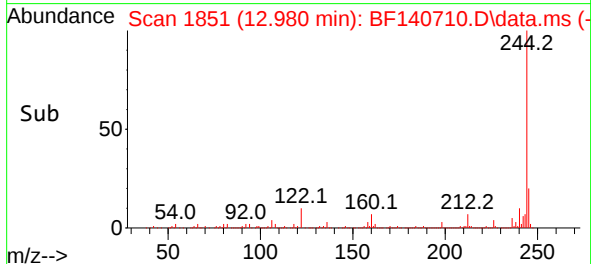
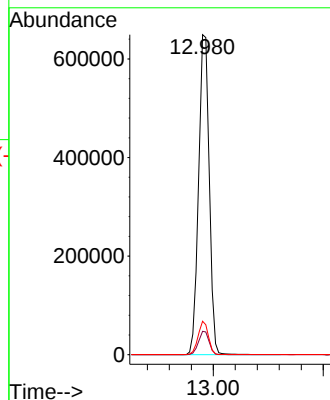
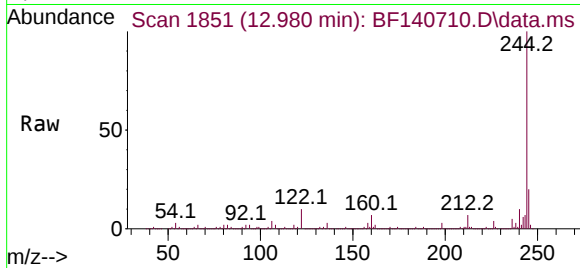




#79
Terphenyl-d14
Concen: 80.677 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Instrument :
BNA_F
ClientSampleId :
MW-08

Tgt Ion:244 Resp: 876447
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 10.4 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140710.D
Acq: 03 Dec 2024 14:59

Tgt Ion:264 Resp: 157526
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 21.2 16.6 25.0

