

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111124\
 Data File : BF140324.D
 Acq On : 11 Nov 2024 18:25
 Operator : RC/JU
 Sample : P4771-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Quant Time: Nov 12 00:45:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 00:05:37 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

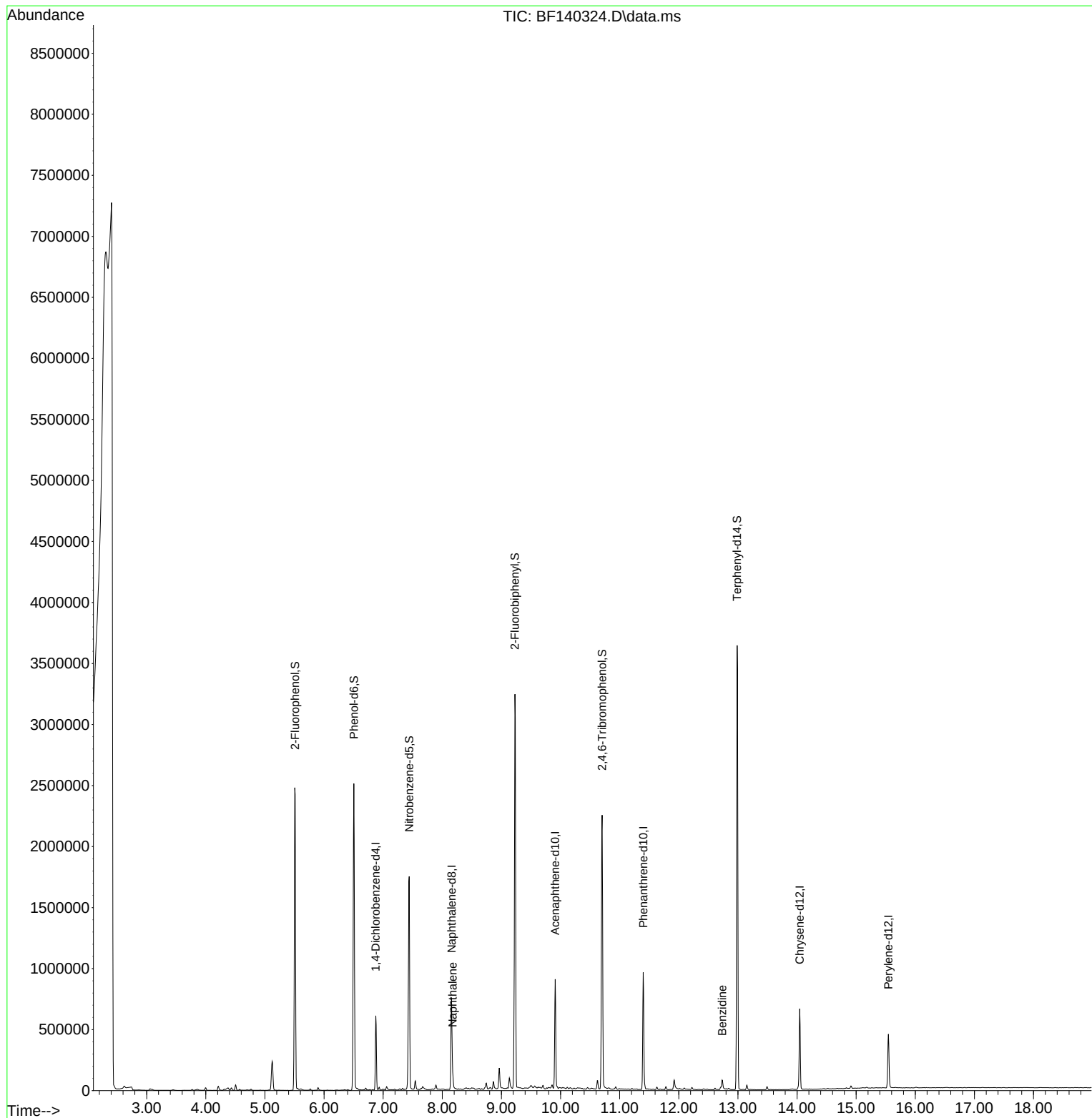
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	126219	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	472881	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	263934	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	496947	20.000	ng	0.00
76) Chrysene-d12	14.045	240	307666	20.000	ng	-0.01
86) Perylene-d12	15.545	264	256356	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	961920	131.666	ng	0.02
7) Phenol-d6	6.504	99	1245463	128.296	ng	0.00
23) Nitrobenzene-d5	7.440	82	847638	93.055	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	393241	153.360	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1461855	87.445	ng	0.00
79) Terphenyl-d14	12.986	244	1838512	102.467	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.175	128	60745	2.563	ng	100
77) Benzidine	12.733	184	43941	4.076	ng	98

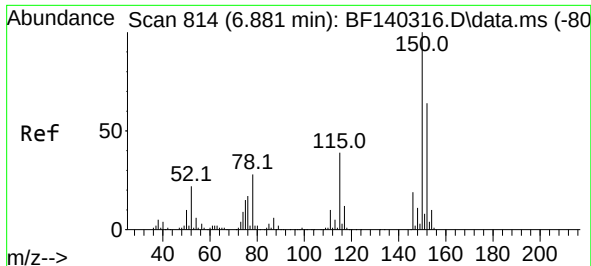
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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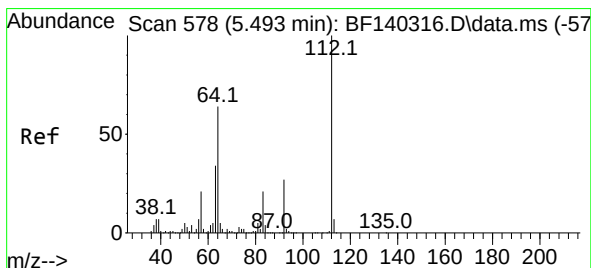
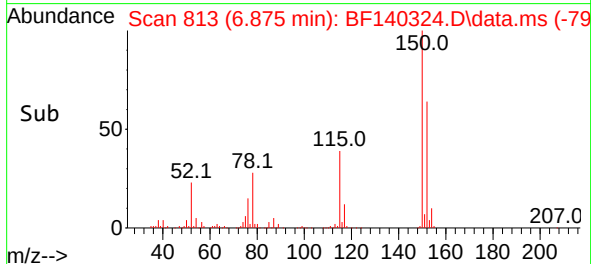
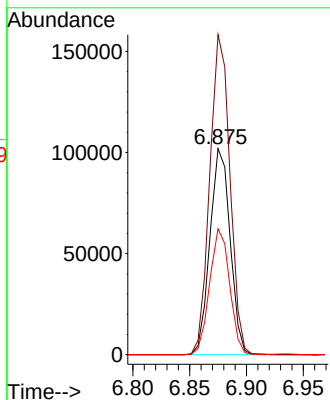
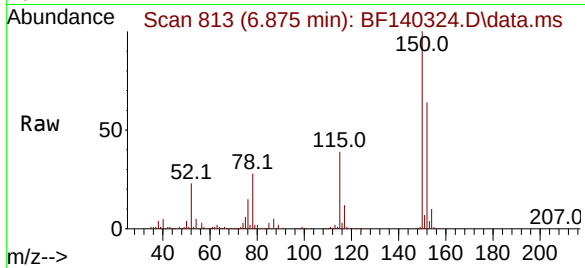




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF140324.D
 Acq: 11 Nov 2024 18:25

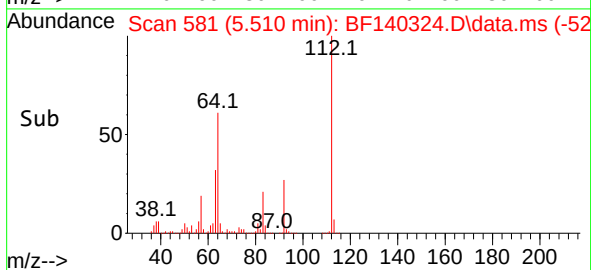
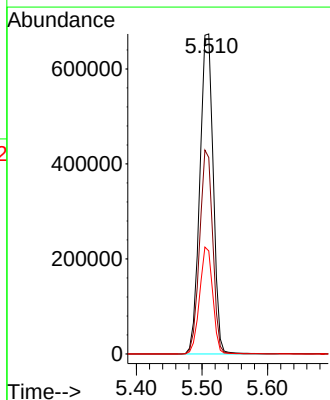
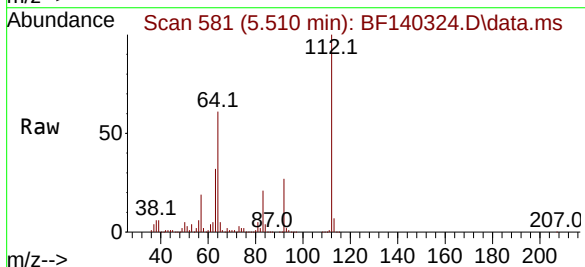
Instrument :
 BNA_F
 ClientSampleId :
 P-1

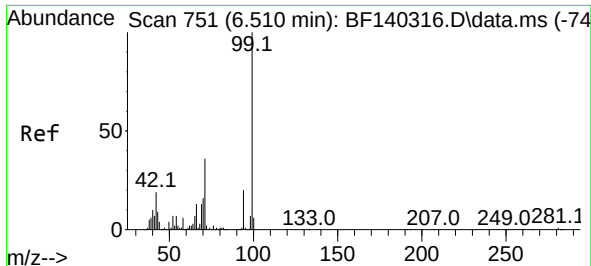
Tgt Ion:152 Resp: 126219
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.1 190.7
 115 61.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 131.666 ng
 RT: 5.510 min Scan# 581
 Delta R.T. 0.018 min
 Lab File: BF140324.D
 Acq: 11 Nov 2024 18:25

Tgt Ion:112 Resp: 961920
 Ion Ratio Lower Upper
 112 100
 64 61.4 51.0 76.6
 63 32.2 26.9 40.3





#7

Phenol-d6

Concen: 128.296 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

P-1

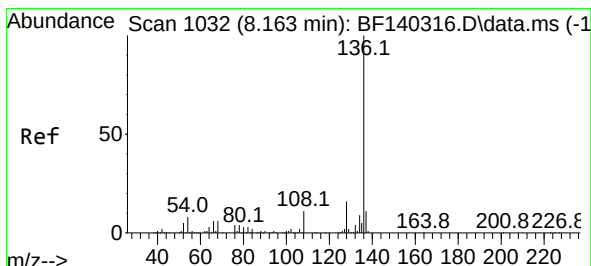
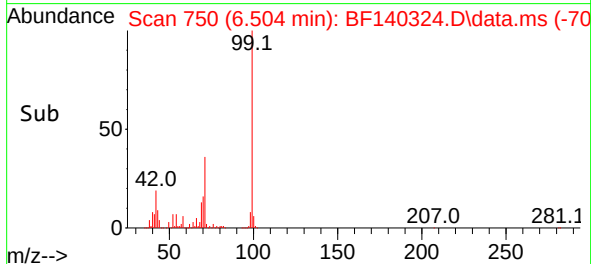
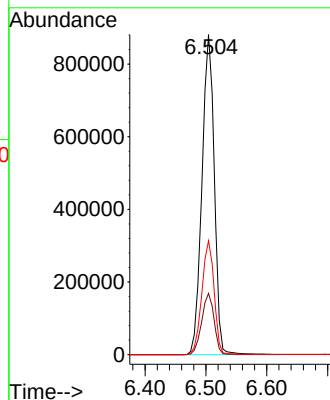
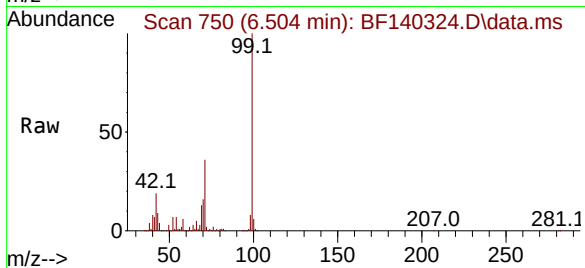
Tgt Ion: 99 Resp: 1245463

Ion Ratio Lower Upper

99 100

42 19.2 15.5 23.3

71 35.6 28.8 43.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Tgt Ion: 136 Resp: 472881

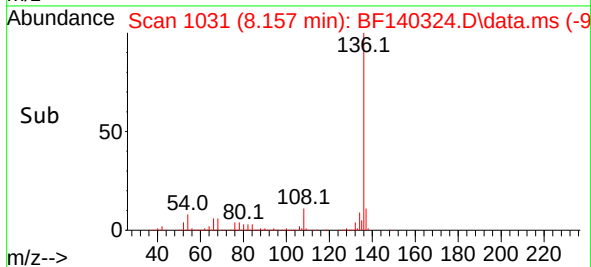
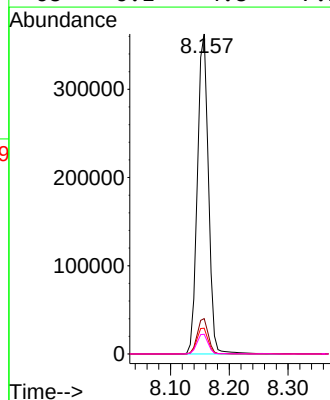
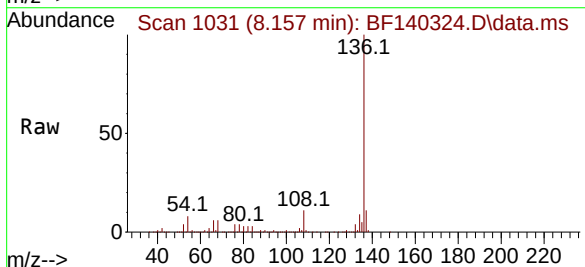
Ion Ratio Lower Upper

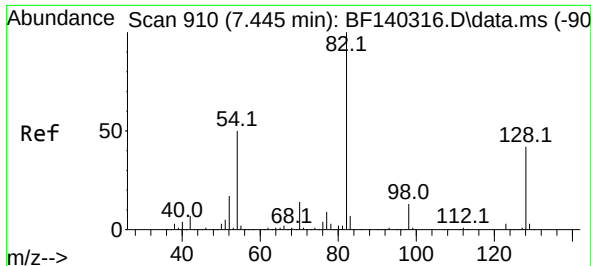
136 100

137 11.1 8.6 12.8

54 8.0 6.2 9.2

68 6.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 93.055 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

P-1

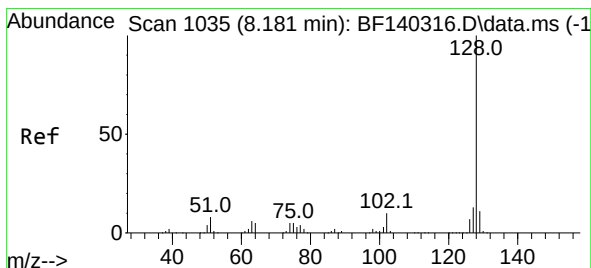
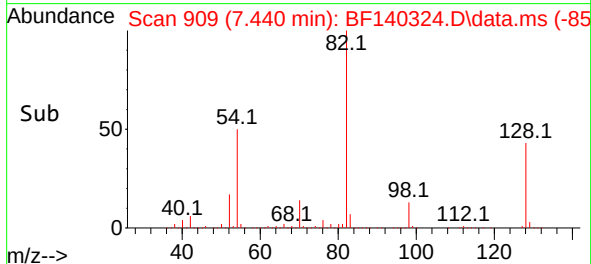
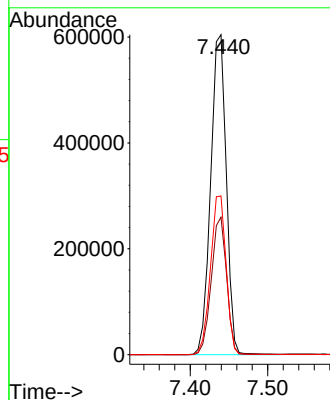
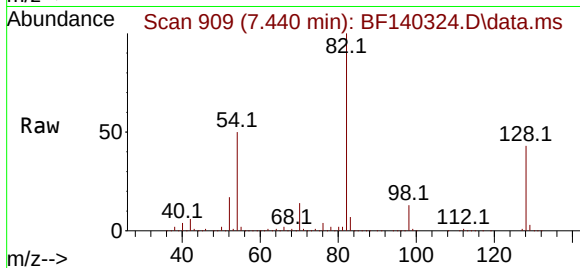
Tgt Ion: 82 Resp: 847638

Ion Ratio Lower Upper

82 100

128 42.9 33.8 50.6

54 49.6 40.0 60.0



#31

Naphthalene

Concen: 2.563 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

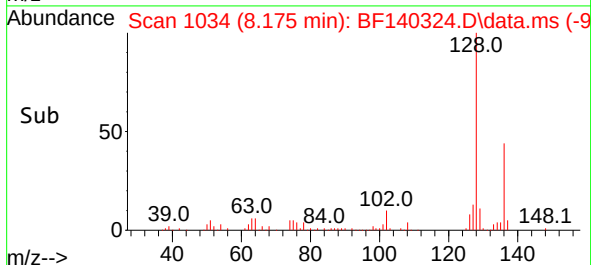
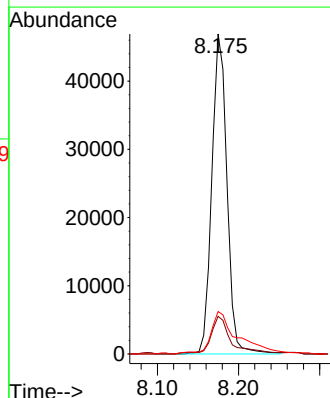
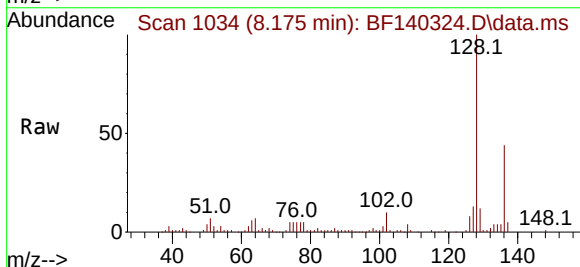
Tgt Ion: 128 Resp: 60745

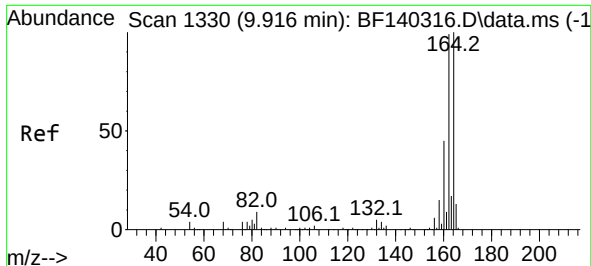
Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

127 13.2 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

P-1

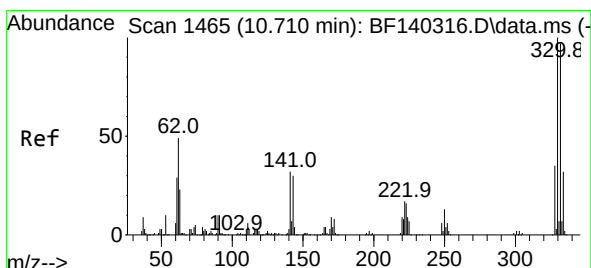
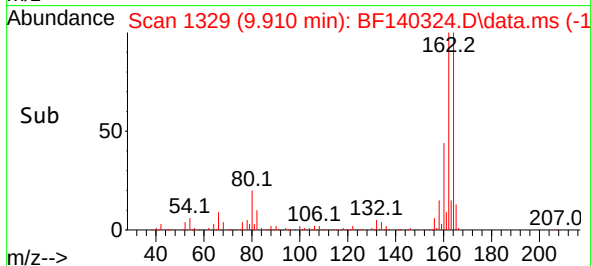
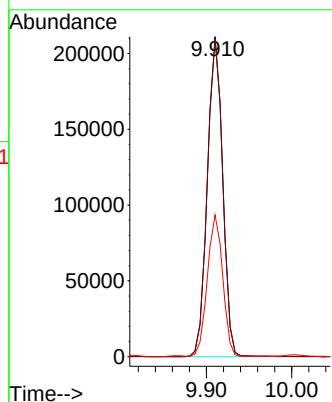
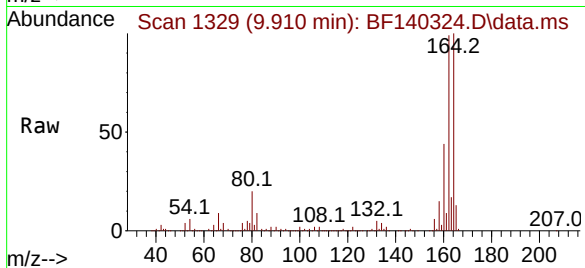
Tgt Ion:164 Resp: 263934

Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.0

160 44.3 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 153.360 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

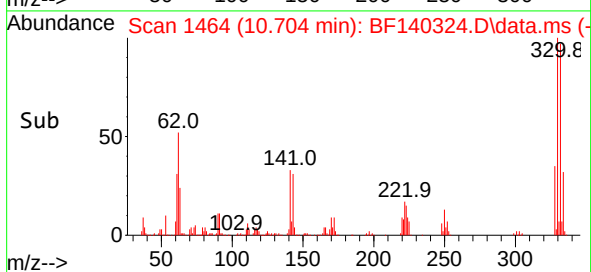
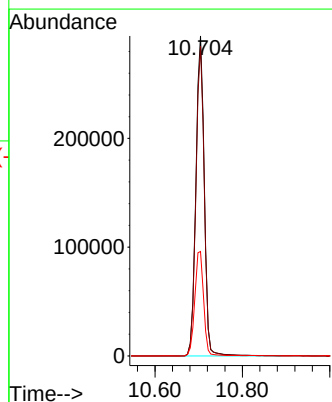
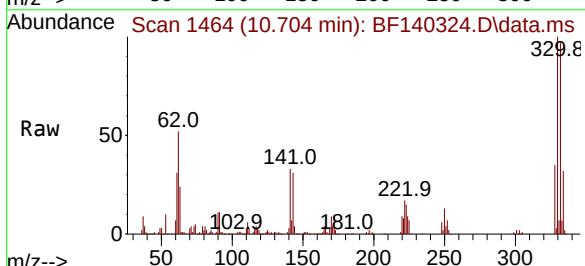
Tgt Ion:330 Resp: 393241

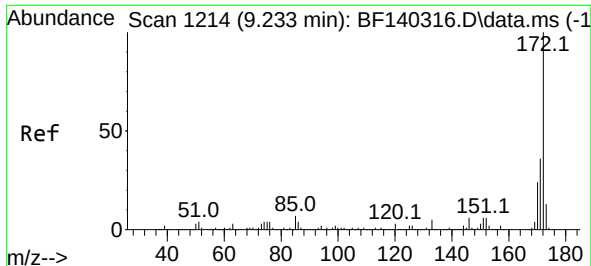
Ion Ratio Lower Upper

330 100

332 96.5 77.1 115.7

141 34.6 28.3 42.5

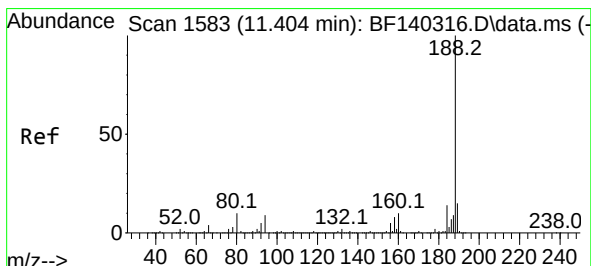
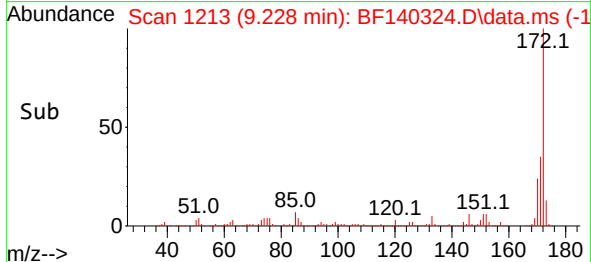
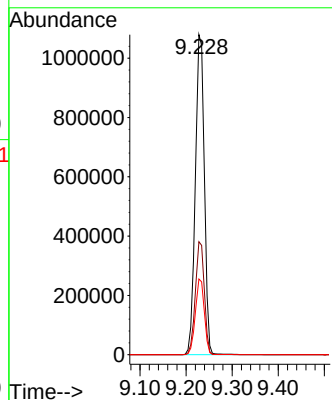
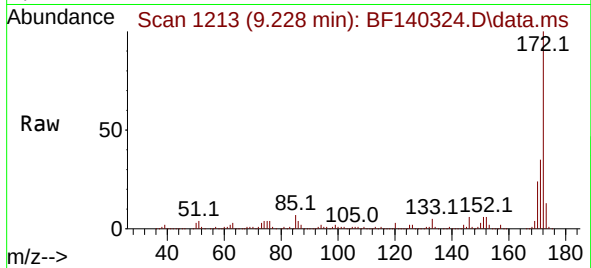




#45
2-Fluorobiphenyl
Concen: 87.445 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140324.D
Acq: 11 Nov 2024 18:25

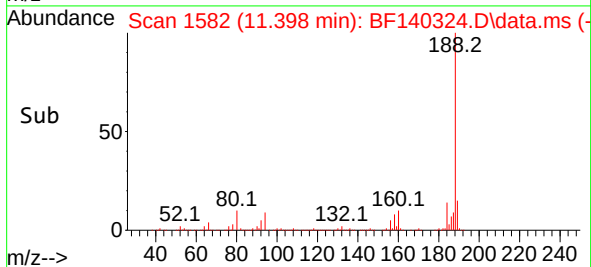
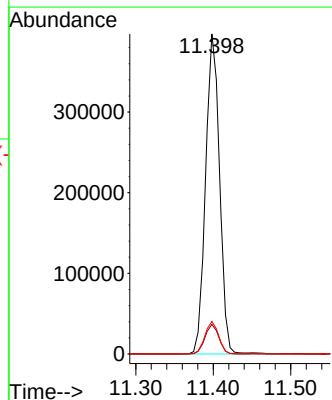
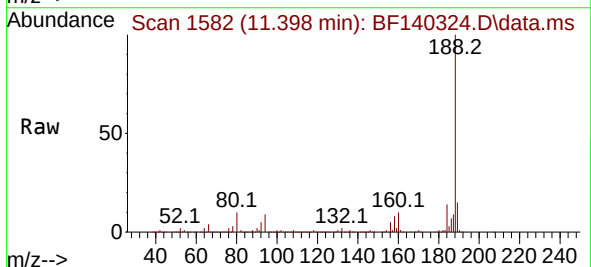
Instrument :
BNA_F
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P-1

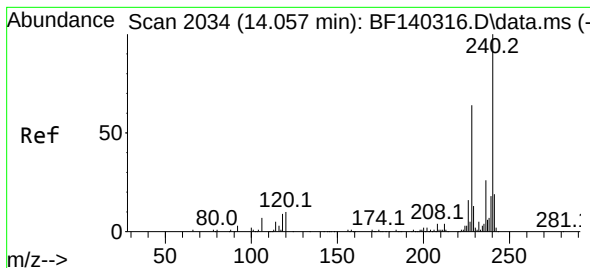
Tgt Ion:172 Resp: 1461855
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.6 19.3 28.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140324.D
Acq: 11 Nov 2024 18:25

Tgt Ion:188 Resp: 496947
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.2 8.0 12.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

P-1

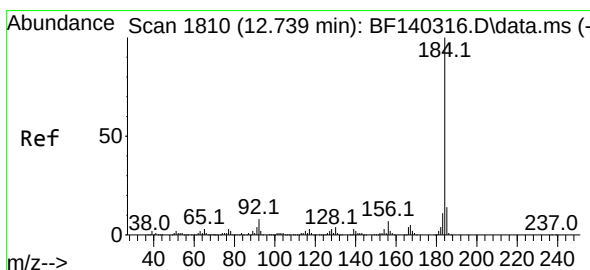
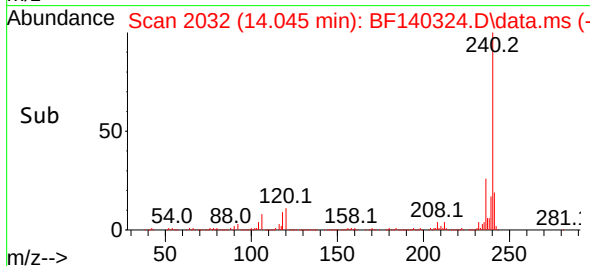
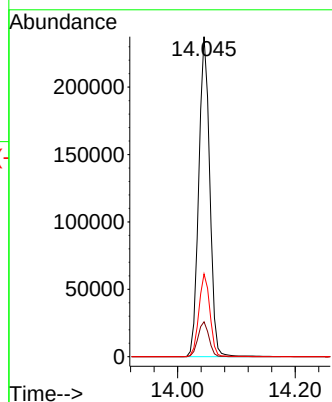
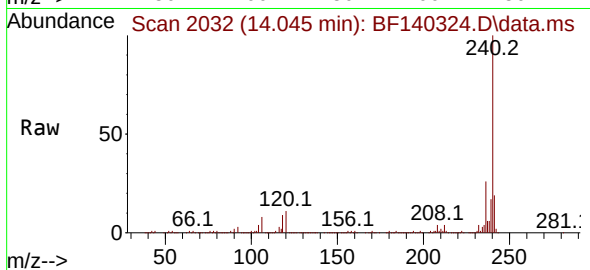
Tgt Ion:240 Resp: 307666

Ion Ratio Lower Upper

240 100

120 10.9 8.2 12.4

236 25.9 20.9 31.3



#77

Benzidine

Concen: 4.076 ng

RT: 12.733 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

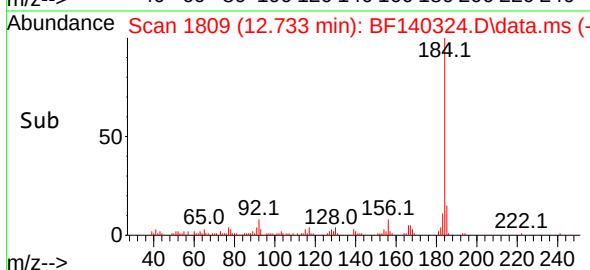
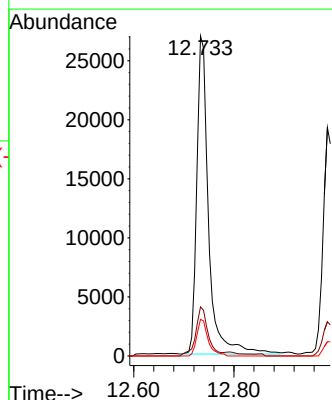
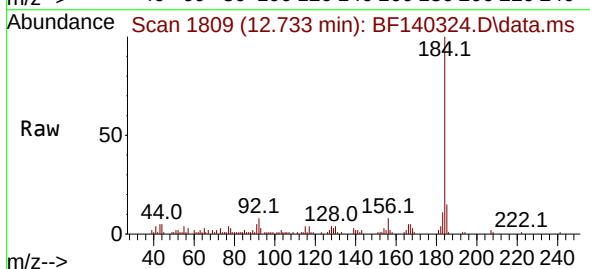
Tgt Ion:184 Resp: 43941

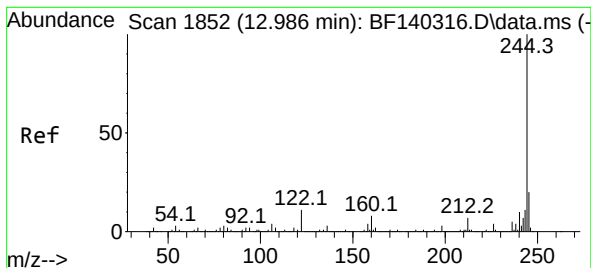
Ion Ratio Lower Upper

184 100

185 15.3 11.6 17.4

183 11.5 8.6 13.0





#79

Terphenyl-d14

Concen: 102.467 ng

RT: 12.986 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

P-1

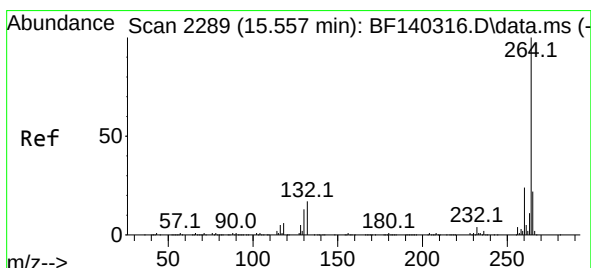
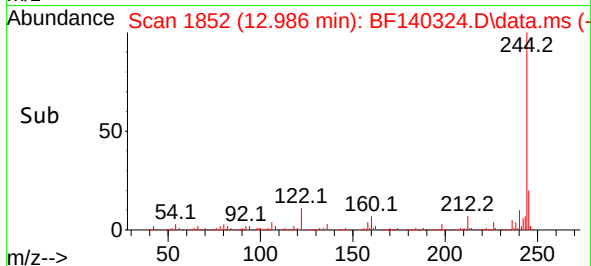
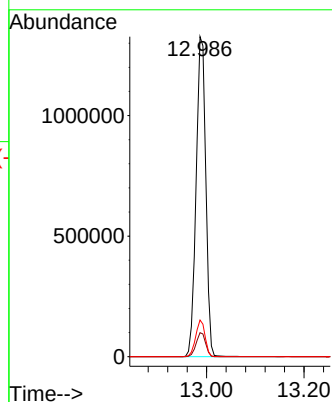
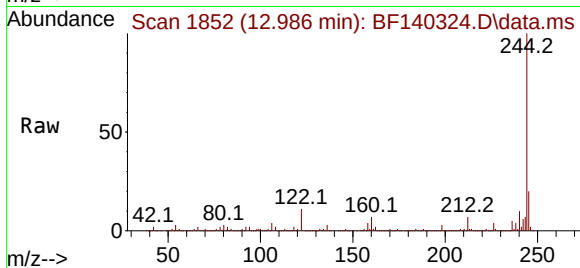
Tgt Ion:244 Resp: 1838512

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 11.4 9.0 13.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2287

Delta R.T. -0.012 min

Lab File: BF140324.D

Acq: 11 Nov 2024 18:25

Tgt Ion:264 Resp: 256356

Ion Ratio Lower Upper

264 100

260 23.3 19.6 29.4

265 21.2 17.6 26.4

