

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140545.D
 Acq On : 21 Nov 2024 19:40
 Operator : RC/JU
 Sample : P4870-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-735

Quant Time: Nov 22 00:10:38 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)

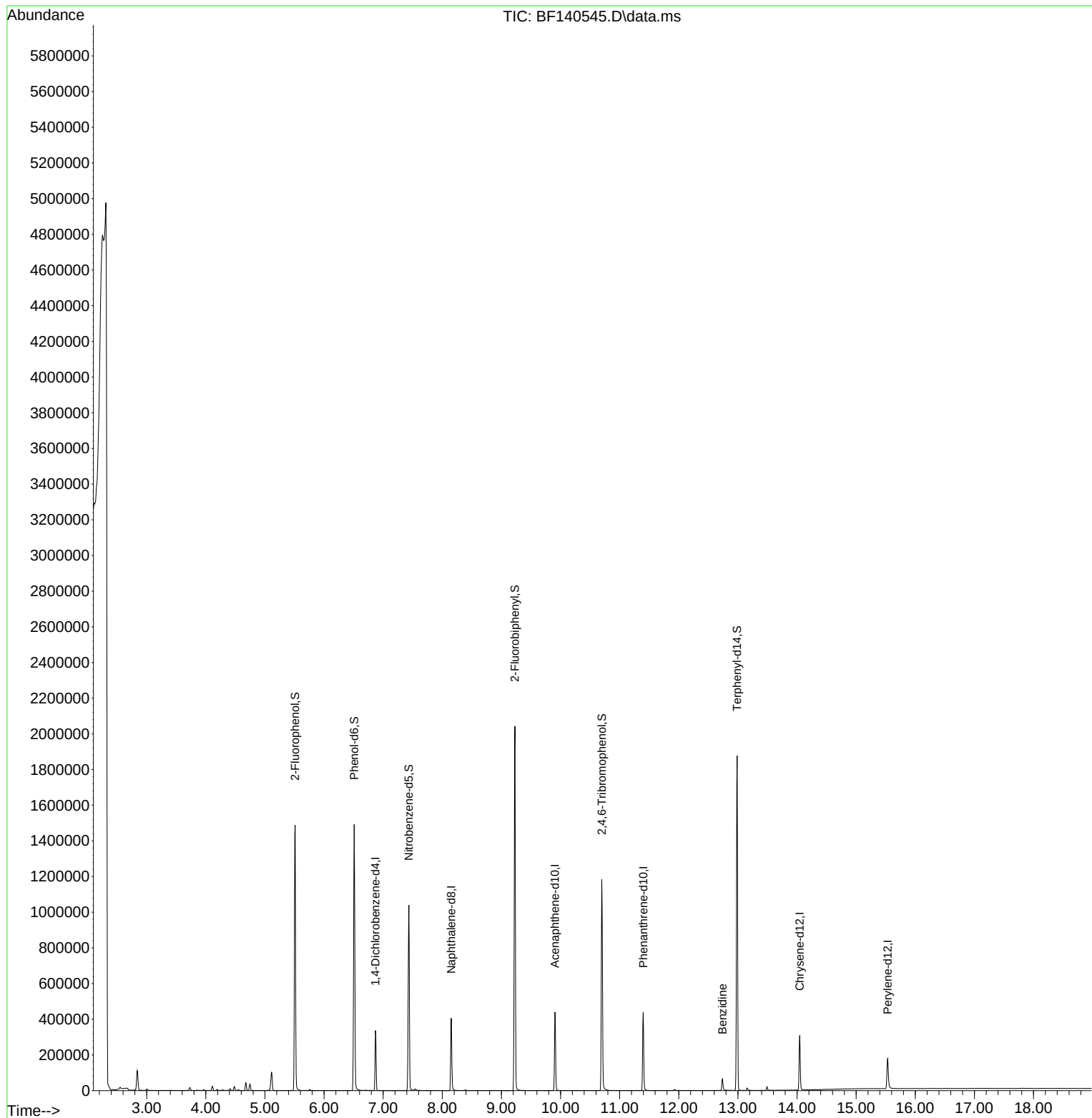
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	71709	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	258832	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	139213	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	248493	20.000	ng	0.00
76) Chrysene-d12	14.045	240	155361	20.000	ng	0.00
86) Perylene-d12	15.533	264	113706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	563327	134.035	ng	0.01
7) Phenol-d6	6.510	99	705513	126.977	ng	0.00
23) Nitrobenzene-d5	7.434	82	481747	95.203	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	209764	140.886	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	914289	97.853	ng	0.00
79) Terphenyl-d14	12.986	244	932153	93.427	ng	0.00
Target Compounds						
77) Benzidine	12.739	184	45608	10.097	ng	Qvalue 99

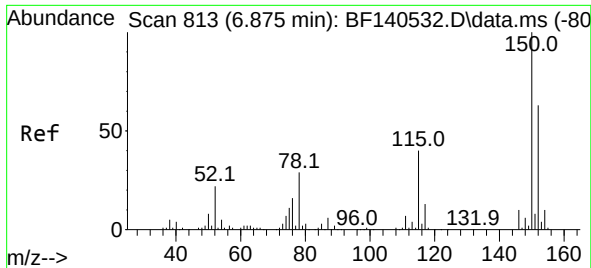
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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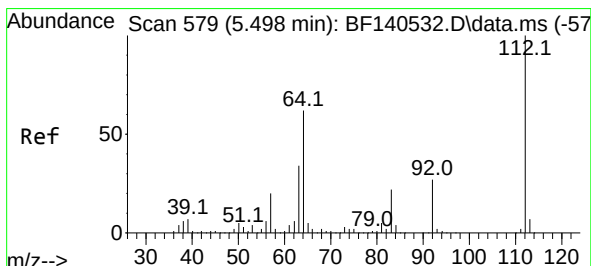
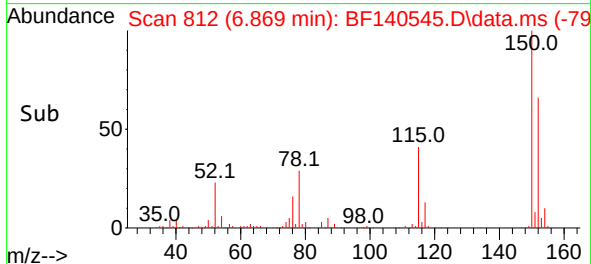
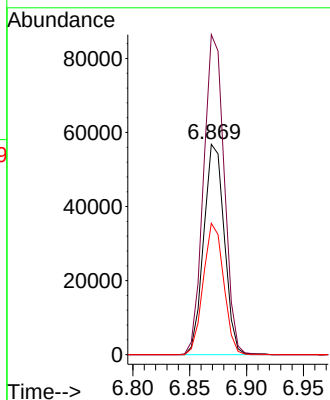
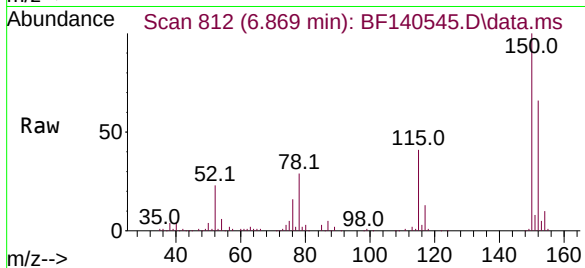




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140545.D
Acq: 21 Nov 2024 19:40

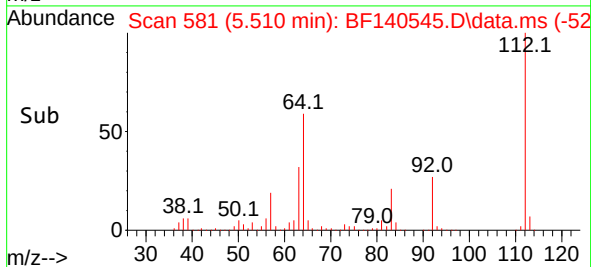
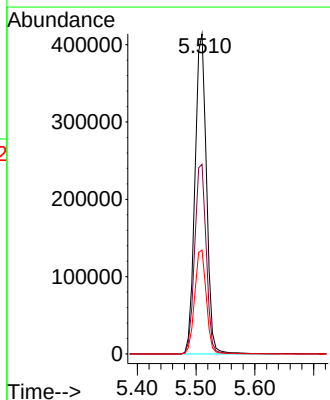
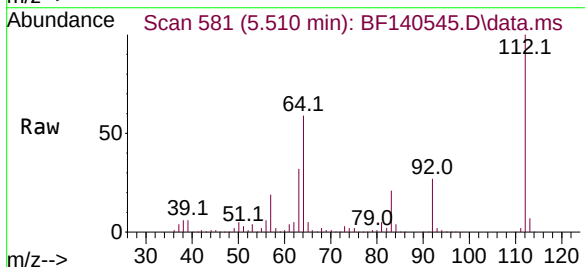
Instrument :
BNA_F
ClientSampleId :
MH-735

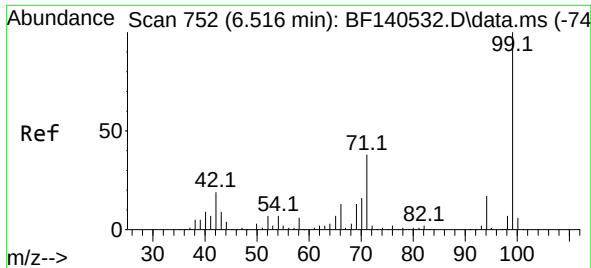
Tgt Ion:152 Resp: 71709
Ion Ratio Lower Upper
152 100
150 152.1 128.5 192.7
115 62.4 50.2 75.4



#5
2-Fluorophenol
Concen: 134.035 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140545.D
Acq: 21 Nov 2024 19:40

Tgt Ion:112 Resp: 563327
Ion Ratio Lower Upper
112 100
64 59.3 49.2 73.8
63 32.5 27.0 40.4

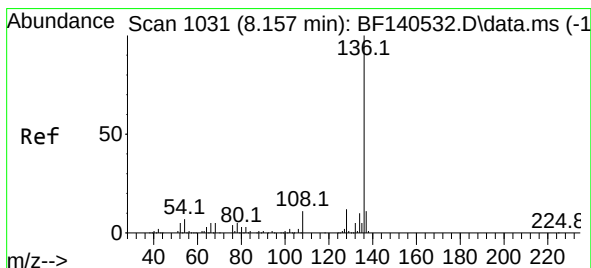
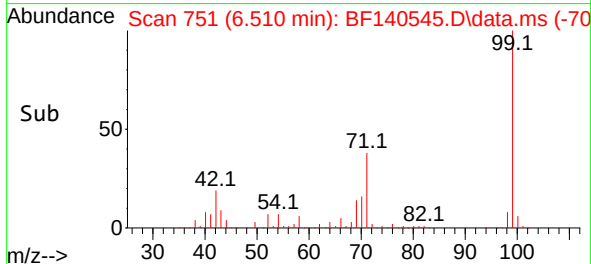
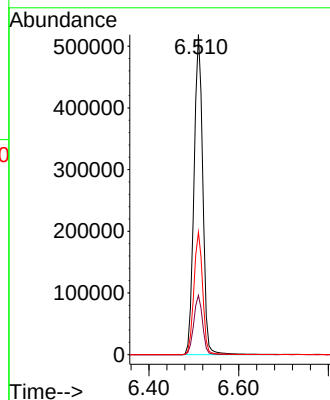
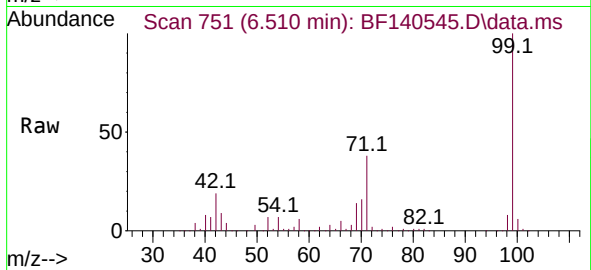




#7
Phenol-d6
Concen: 126.977 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF140545.D
Acq: 21 Nov 2024 19:40

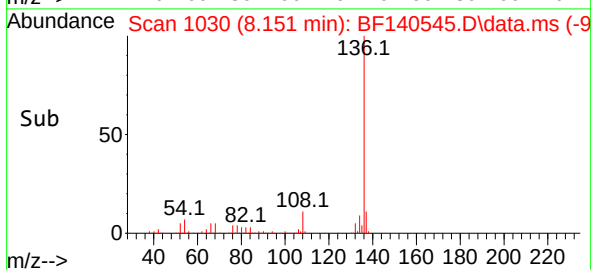
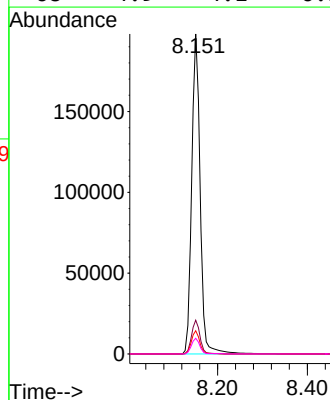
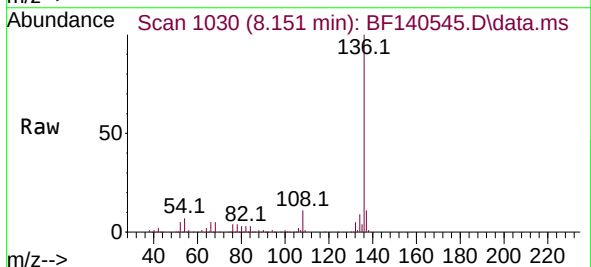
Instrument :
BNA_F
ClientSampleId :
MH-735

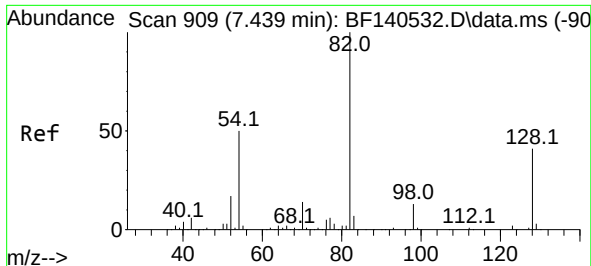
Tgt Ion: 99 Resp: 705513
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.0
71 38.3 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140545.D
Acq: 21 Nov 2024 19:40

Tgt Ion: 136 Resp: 258832
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.2 5.8 8.8
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 95.203 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

Instrument :

BNA_F

ClientSampleId :

MH-735

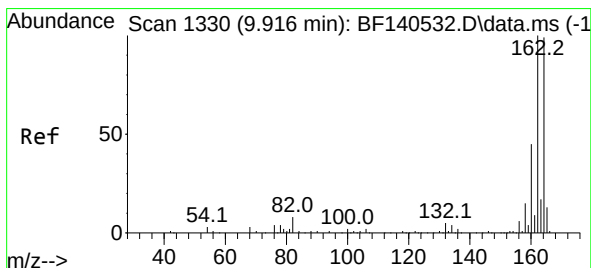
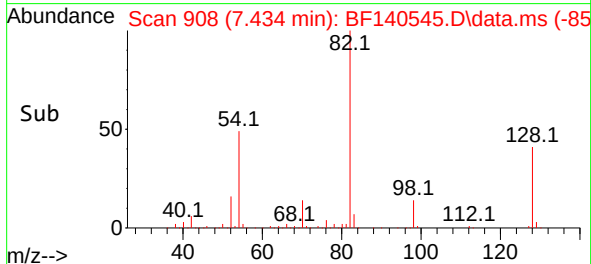
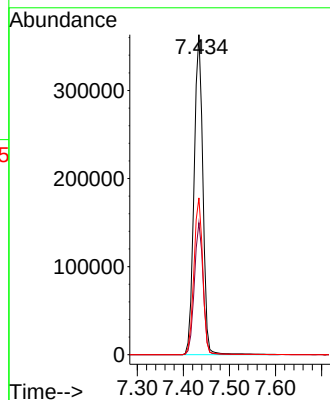
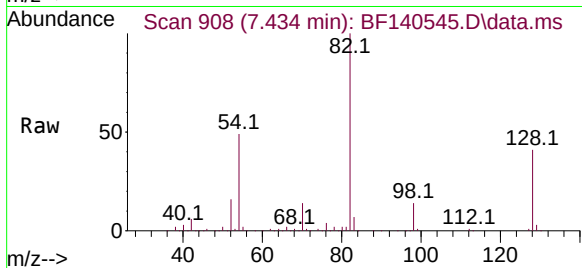
Tgt Ion: 82 Resp: 481747

Ion Ratio Lower Upper

82 100

128 41.3 33.0 49.4

54 49.0 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

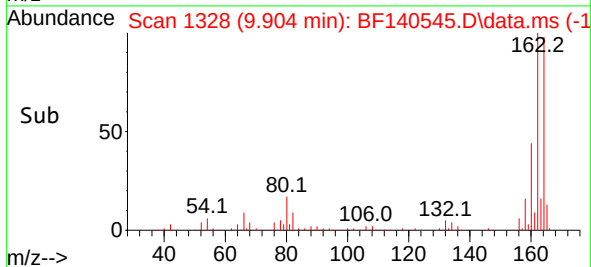
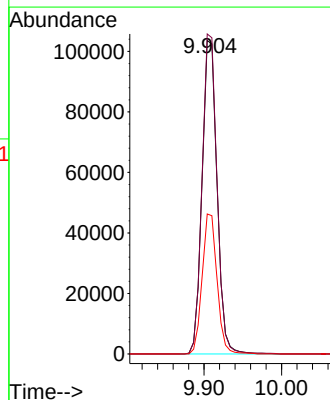
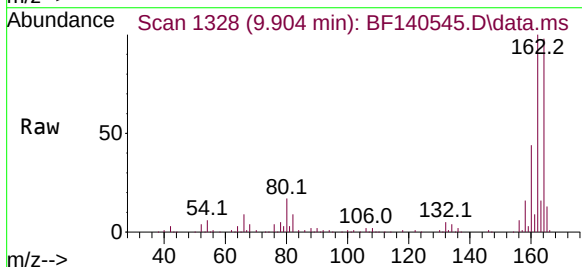
Tgt Ion:164 Resp: 139213

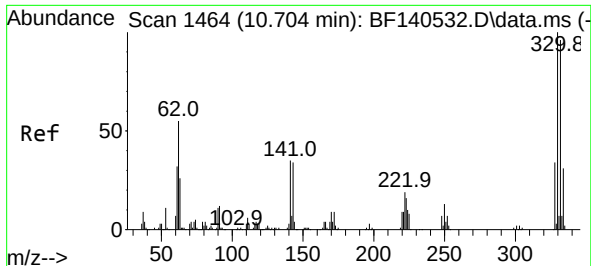
Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

160 44.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 140.886 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

Instrument :

BNA_F

ClientSampleId :

MH-735

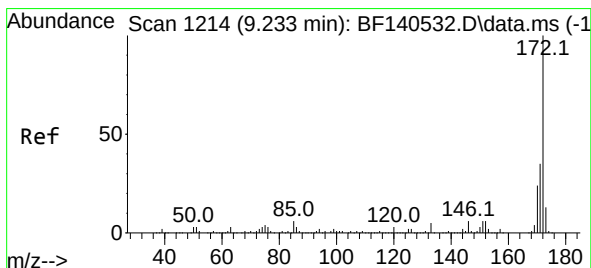
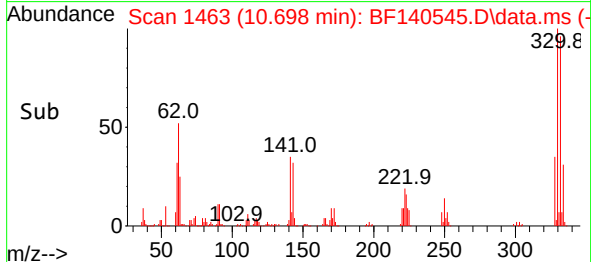
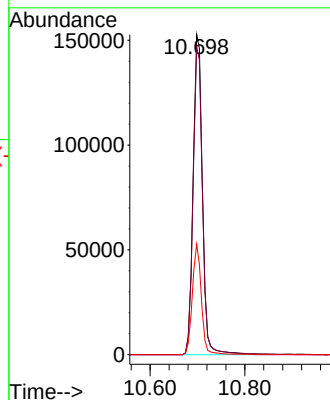
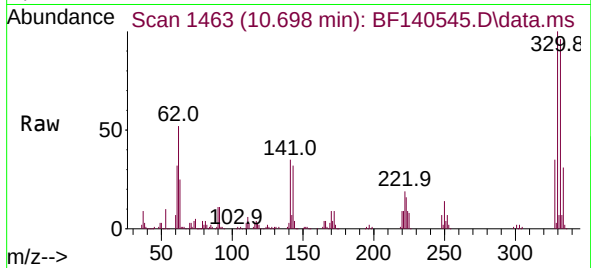
Tgt Ion:330 Resp: 209764

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

141 33.5 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 97.853 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

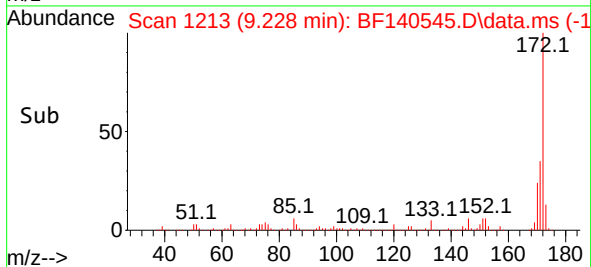
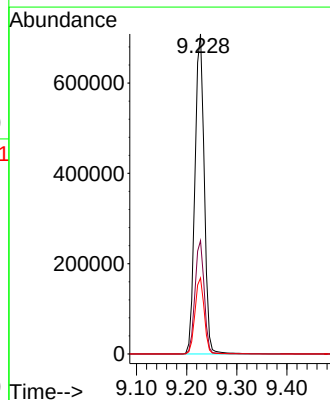
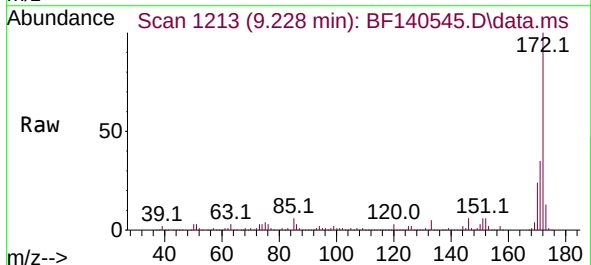
Tgt Ion:172 Resp: 914289

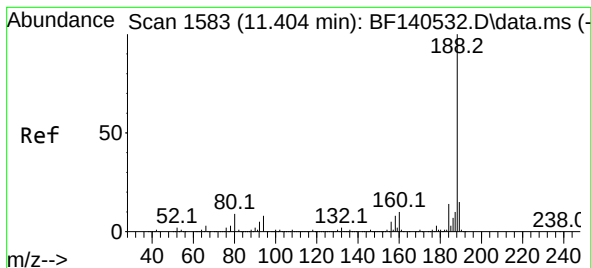
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

Instrument :

BNA_F

ClientSampleId :

MH-735

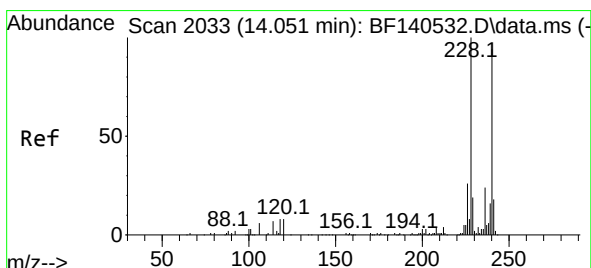
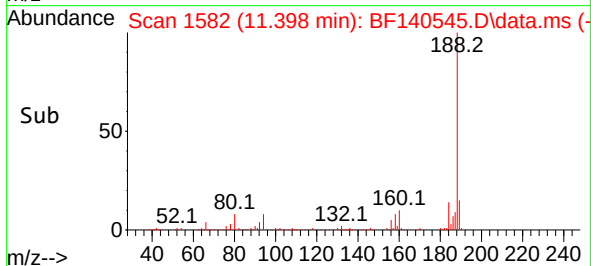
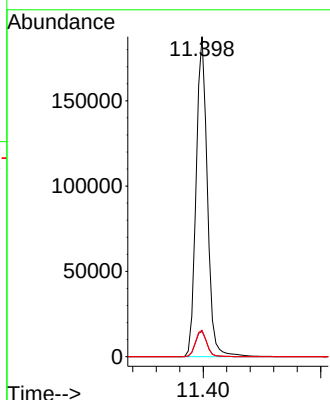
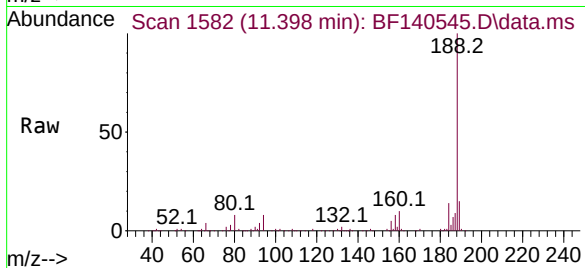
Tgt Ion:188 Resp: 248493

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.2 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

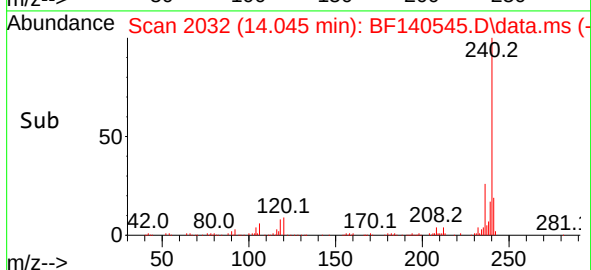
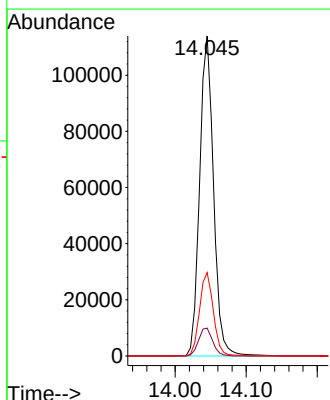
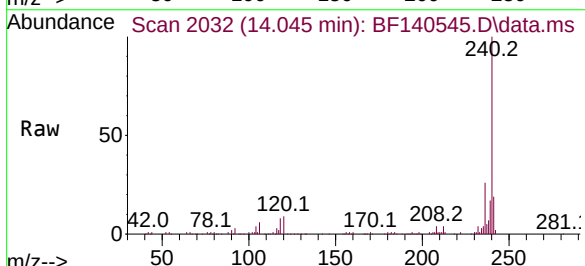
Tgt Ion:240 Resp: 155361

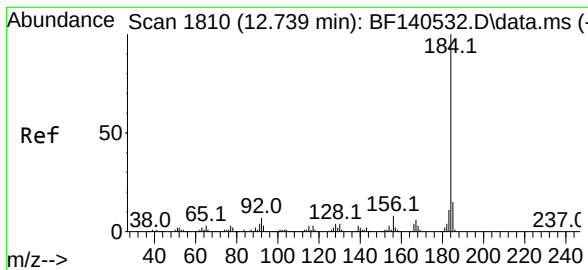
Ion Ratio Lower Upper

240 100

120 8.7 7.3 10.9

236 26.1 20.6 31.0





#77

Benzidine

Concen: 10.097 ng

RT: 12.739 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

Instrument :

BNA_F

ClientSampleId :

MH-735

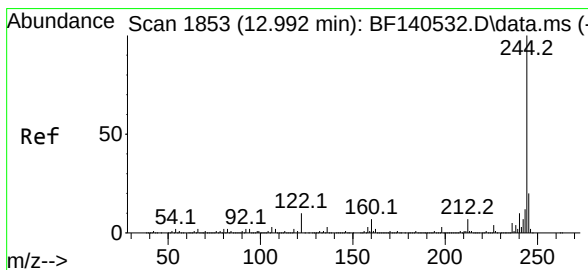
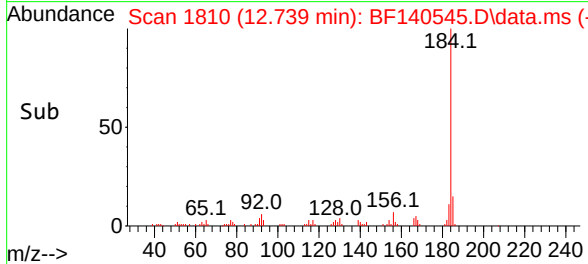
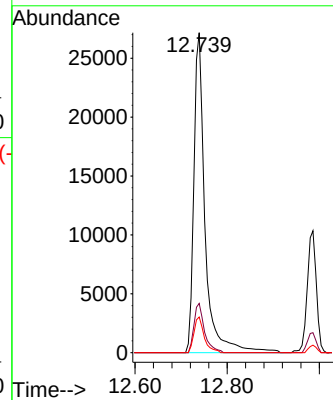
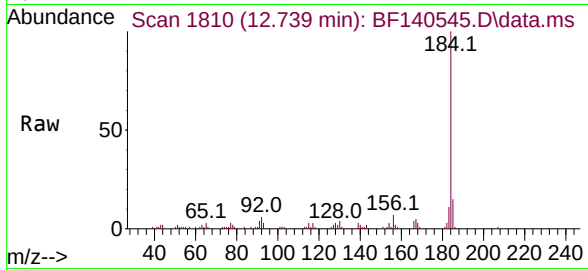
Tgt Ion:184 Resp: 45608

Ion Ratio Lower Upper

184 100

185 15.4 11.7 17.5

183 11.2 8.8 13.2



#79

Terphenyl-d14

Concen: 93.427 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140545.D

Acq: 21 Nov 2024 19:40

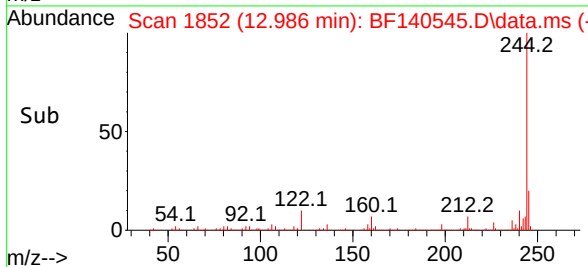
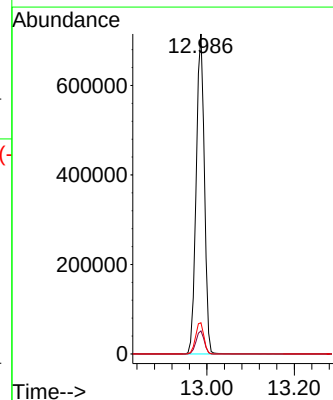
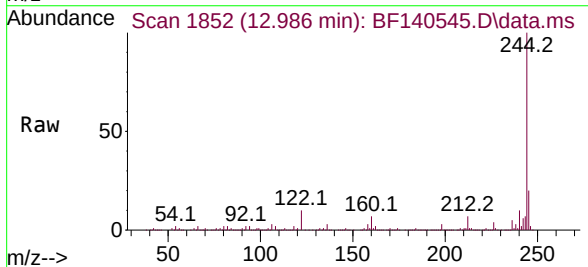
Tgt Ion:244 Resp: 932153

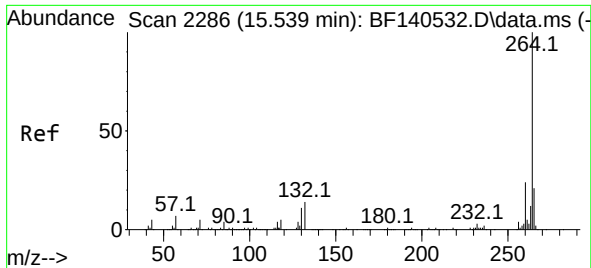
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 9.7 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF140545.D
 Acq: 21 Nov 2024 19:40

Instrument :
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Tgt Ion:264 Resp: 113706
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.8 16.6 25.0

