

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143040.D
 Acq On : 08 Jul 2025 18:39
 Operator : RC/JU
 Sample : Q2489-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4(6-12)

Quant Time: Jul 09 01:41:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

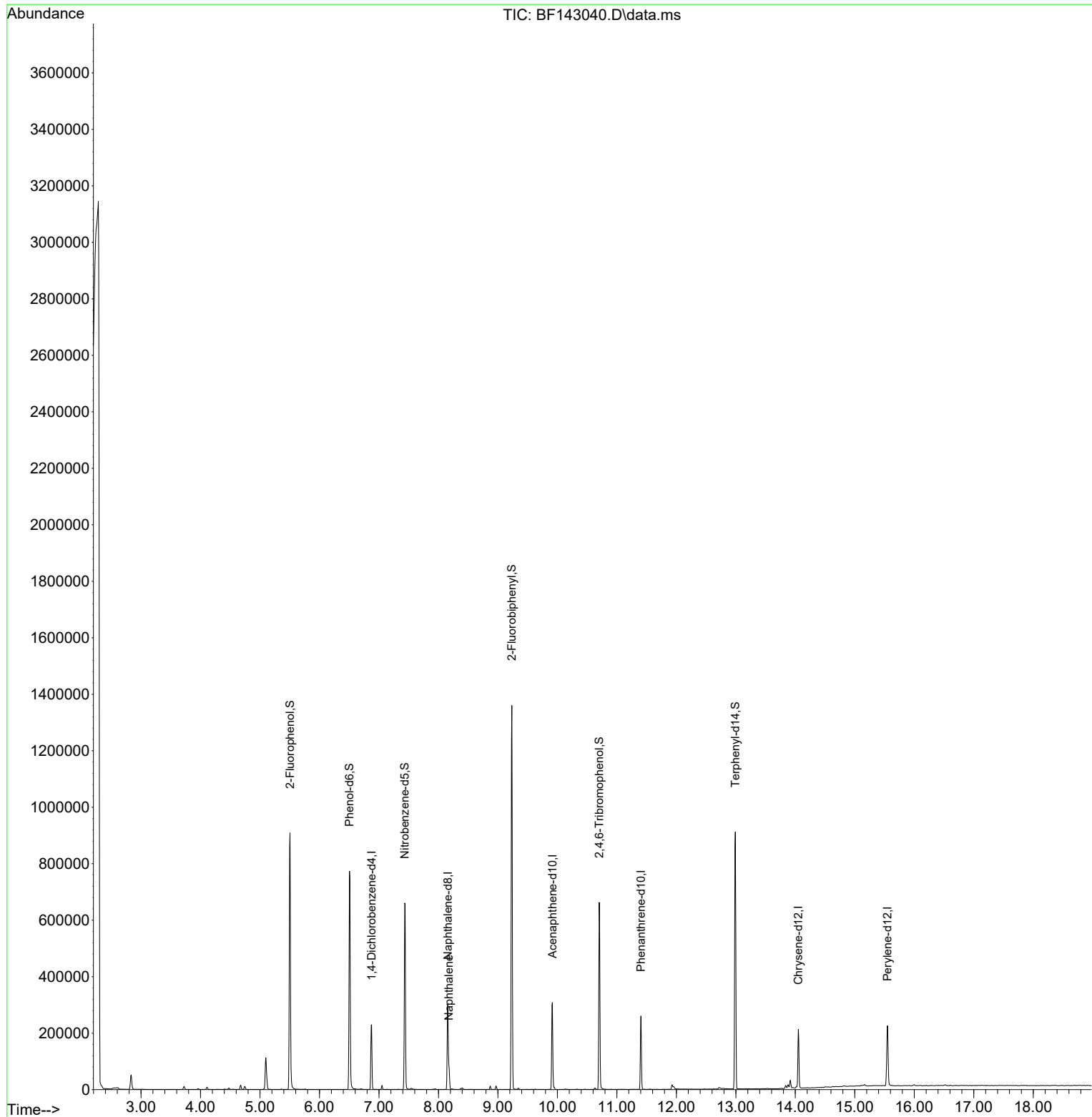
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	52138	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	196486	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94511	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	135249	20.000	ng	0.00
76) Chrysene-d12	14.051	240	102220	20.000	ng	0.00
86) Perylene-d12	15.551	264	133953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	368775	117.761	ng	0.01
7) Phenol-d6	6.504	99	378913	102.558	ng	0.00
23) Nitrobenzene-d5	7.434	82	295451	82.478	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	117910	121.234	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	616144	85.642	ng	-0.01
79) Terphenyl-d14	12.992	244	448421	60.613	ng	0.00
Target Compounds						
31) Naphthalene	8.175	128	45067	4.686	ng	99

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

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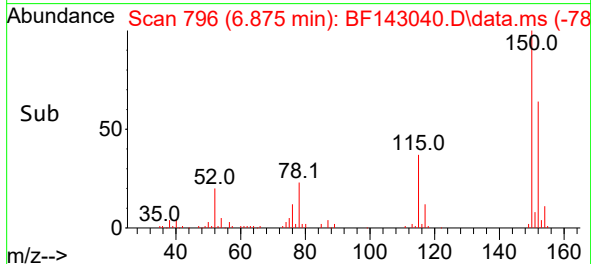
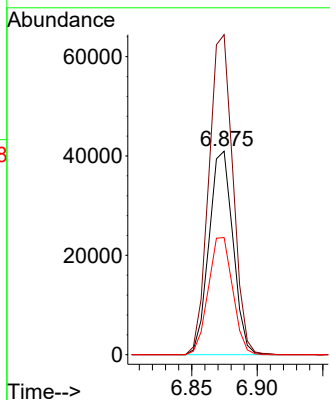
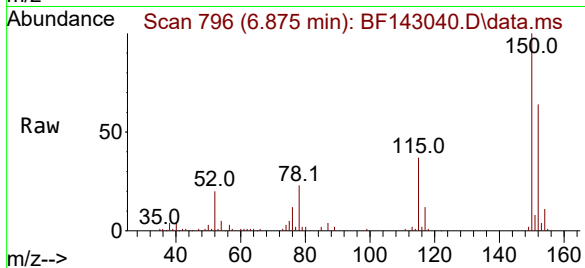




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

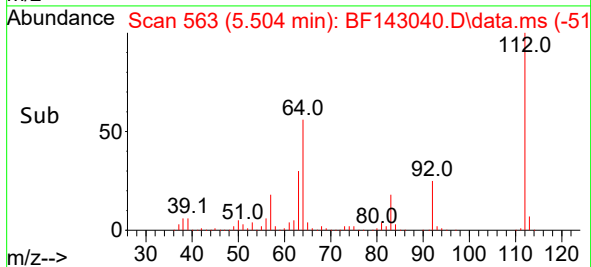
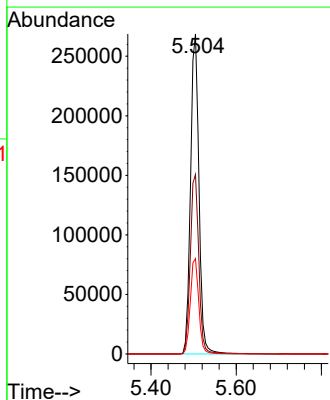
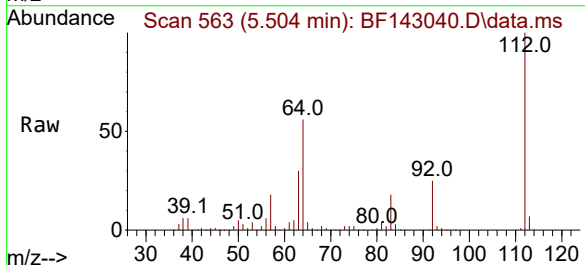
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

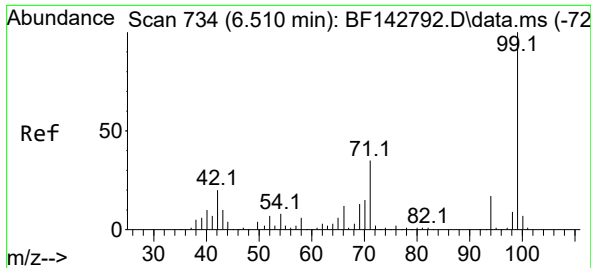
Tgt Ion:152 Resp: 52138
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 117.761 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:112 Resp: 368775
Ion Ratio Lower Upper
112 100
64 56.1 48.2 72.2
63 29.8 25.7 38.5

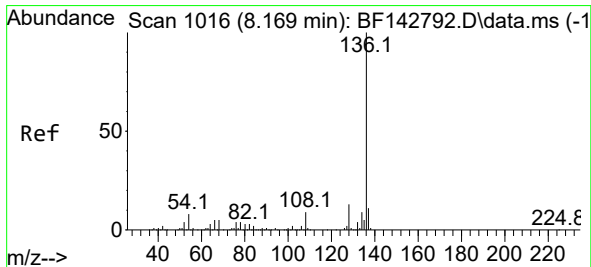
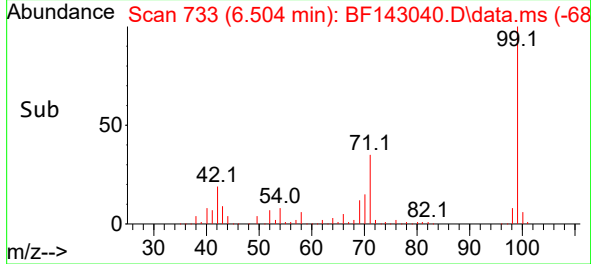
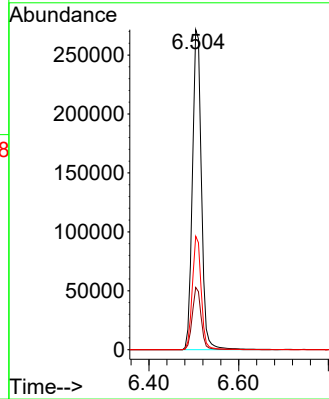
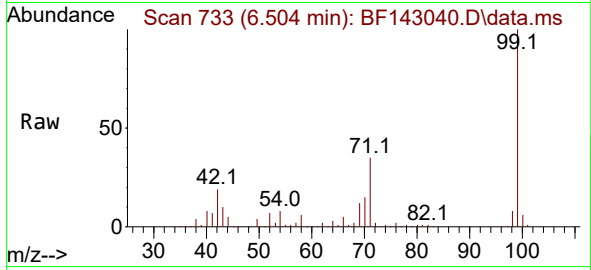




#7
Phenol-d6
Concen: 102.558 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

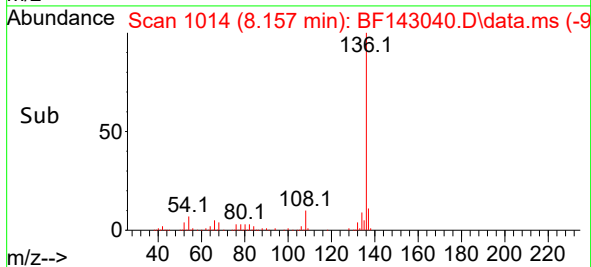
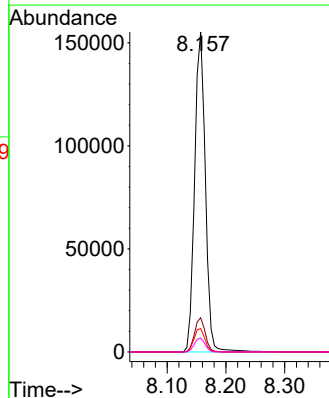
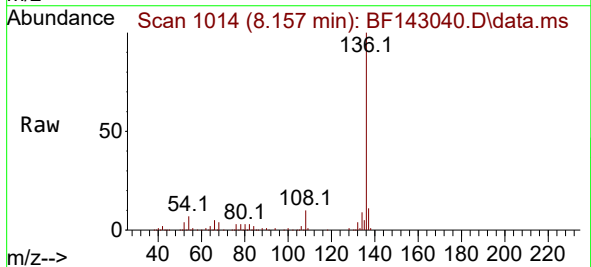
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion: 99 Resp: 378913
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.5 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion: 136 Resp: 196486
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.3 6.3 9.5
68 4.4 3.7 5.5





#23

Nitrobenzene-d5

Concen: 82.478 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

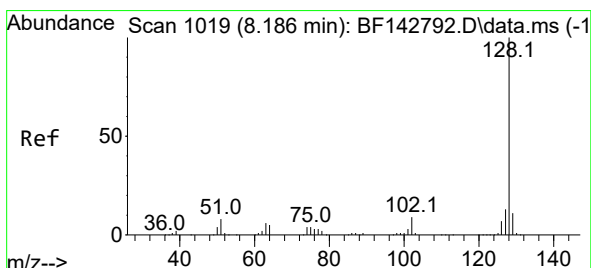
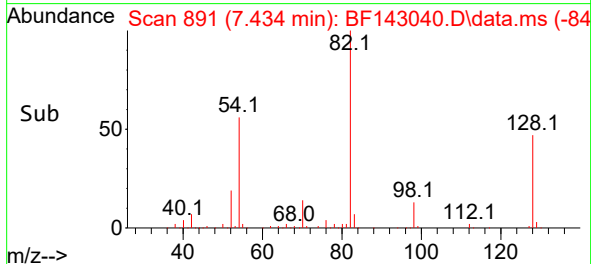
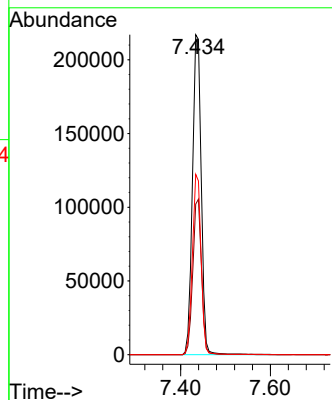
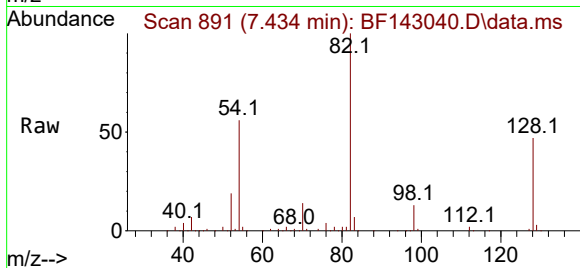
Tgt Ion: 82 Resp: 295451

Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 56.4 45.7 68.5



#31

Naphthalene

Concen: 4.686 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

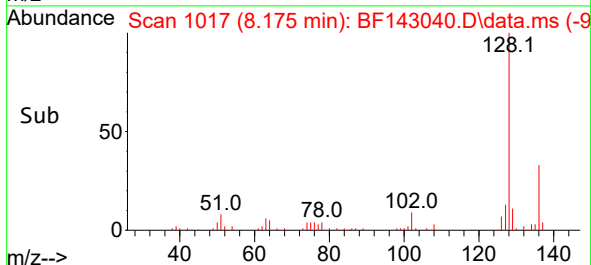
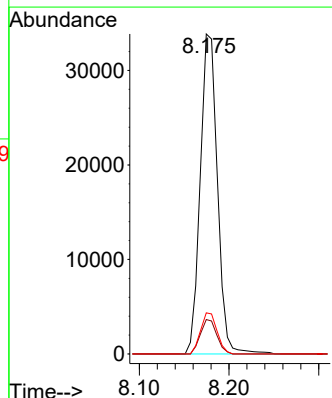
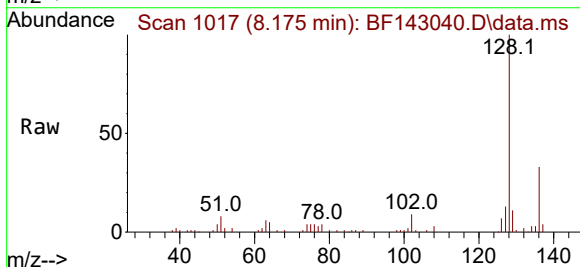
Tgt Ion:128 Resp: 45067

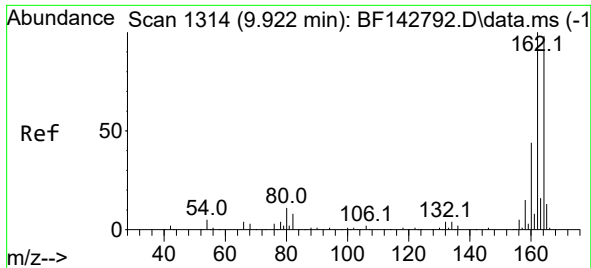
Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 12.8 10.4 15.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

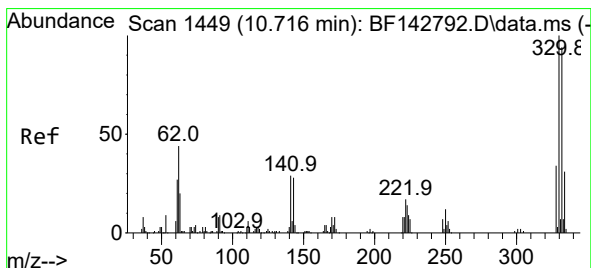
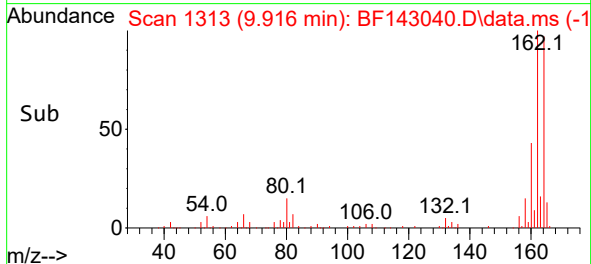
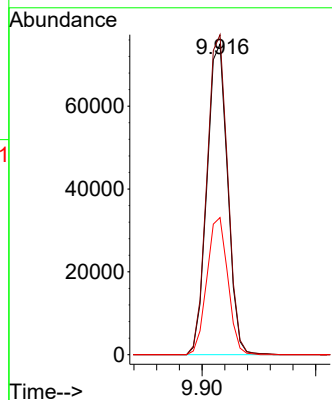
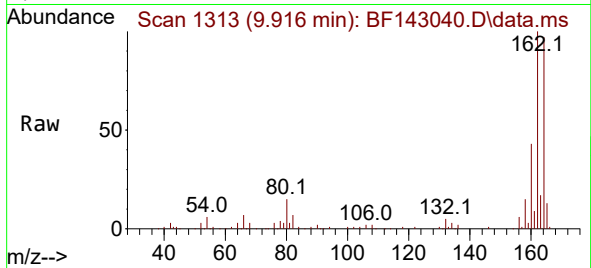
Tgt Ion:164 Resp: 94511

Ion Ratio Lower Upper

164 100

162 103.0 81.8 122.8

160 44.1 36.0 54.0



#42

2,4,6-Tribromophenol

Concen: 121.234 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

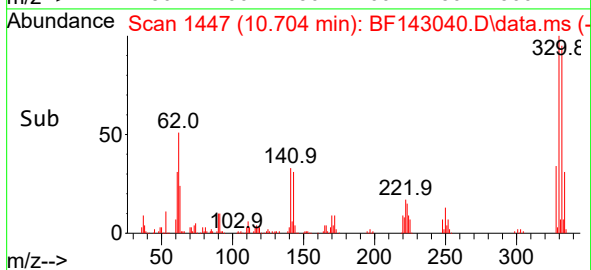
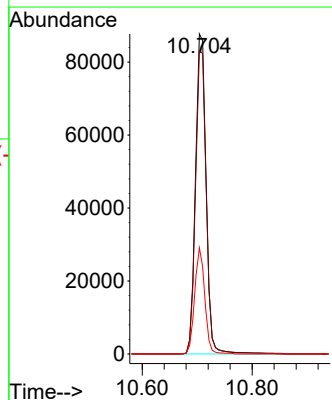
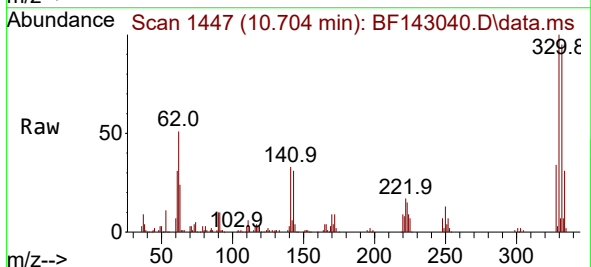
Tgt Ion:330 Resp: 117910

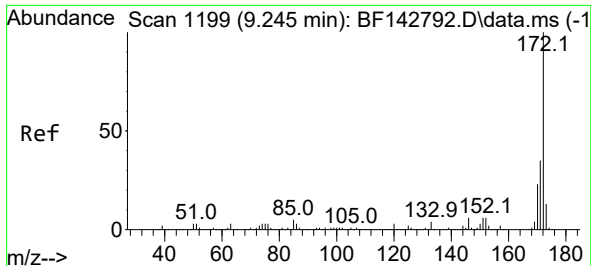
Ion Ratio Lower Upper

330 100

332 95.6 75.0 112.6

141 31.5 25.3 37.9

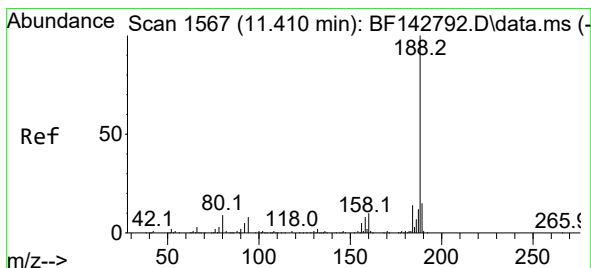
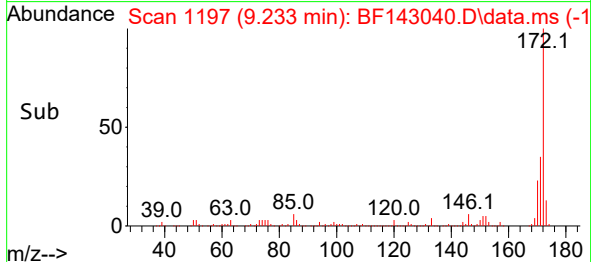
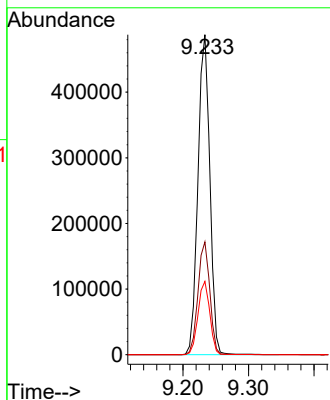
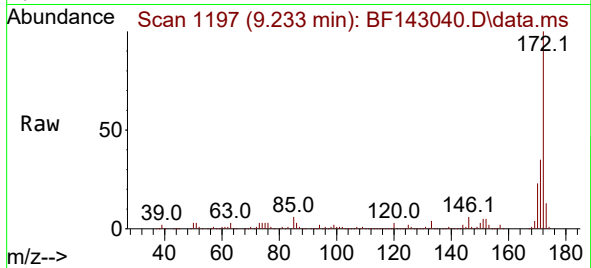




#45
2-Fluorobiphenyl
Concen: 85.642 ng
RT: 9.233 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

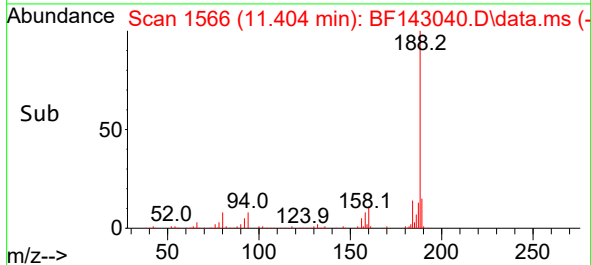
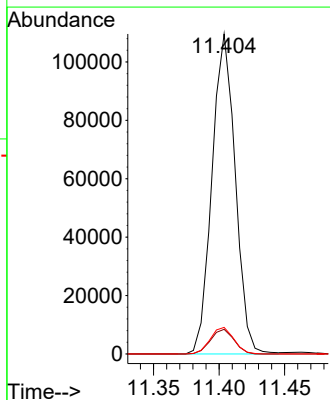
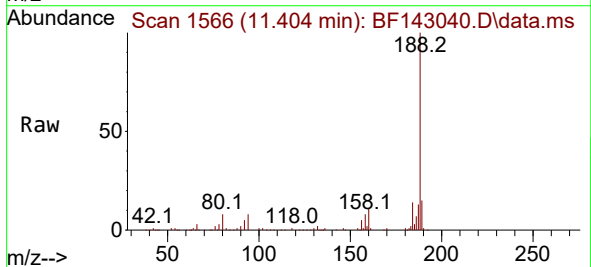
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

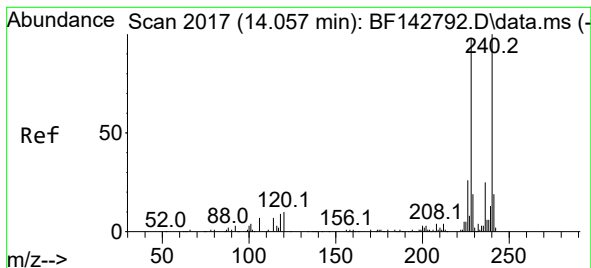
Tgt Ion:172 Resp: 616144
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 22.9 18.5 27.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion:188 Resp: 135249
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.3 6.9 10.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

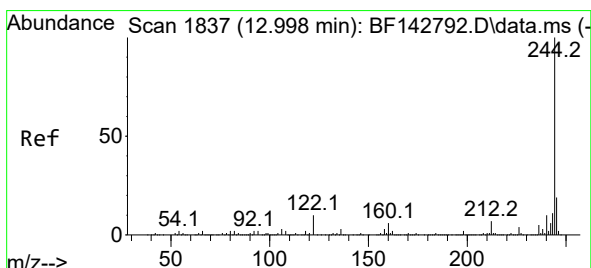
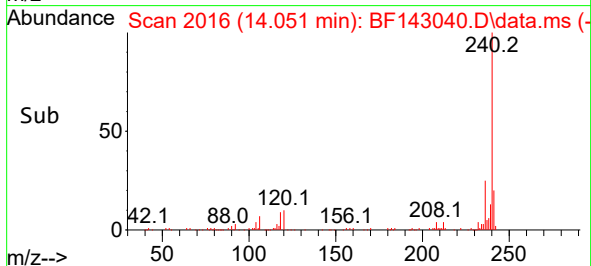
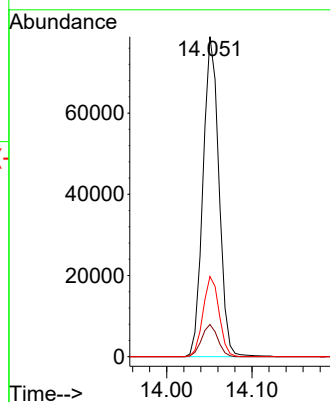
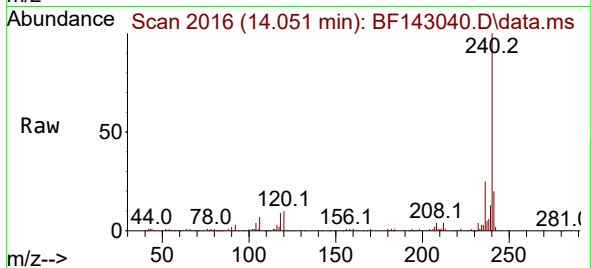
Tgt Ion:240 Resp: 102220

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 25.0 19.8 29.8



#79

Terphenyl-d14

Concen: 60.613 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

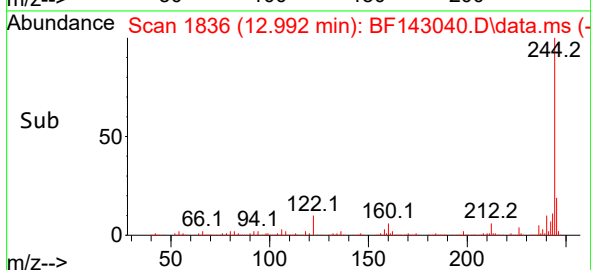
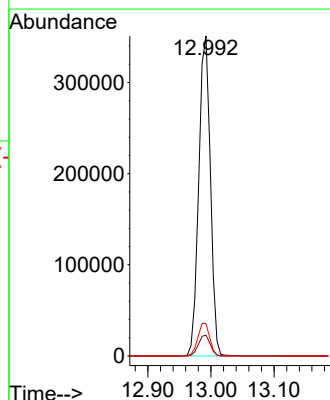
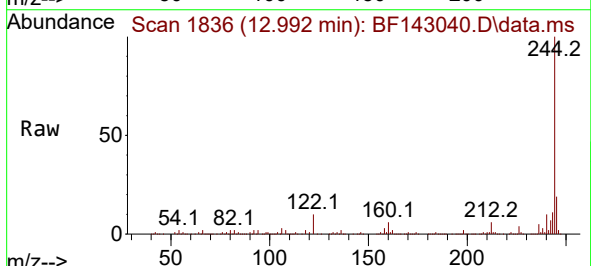
Tgt Ion:244 Resp: 448421

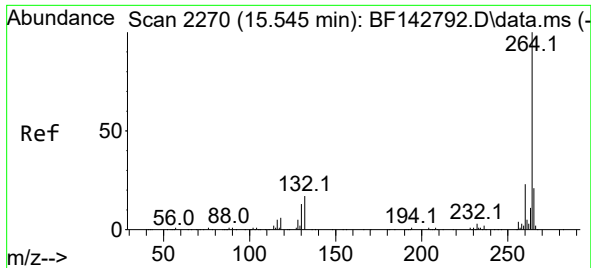
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.1 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:264 Resp: 133953
Ion Ratio Lower Upper
264 100
260 22.4 18.1 27.1
265 21.1 16.6 25.0

