

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)

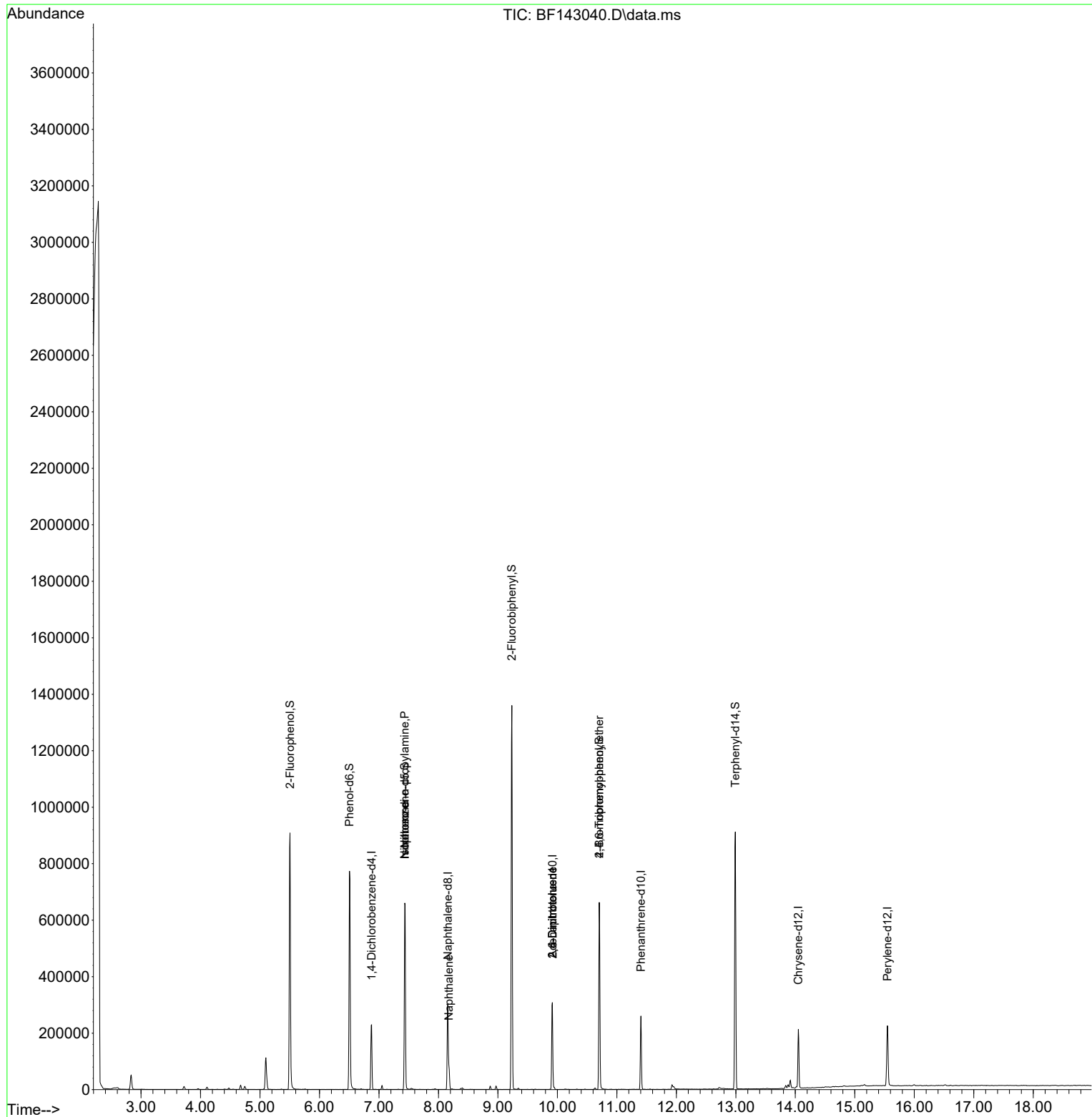
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	52138	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	196486	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94511	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	135249	20.000	ng	0.00
76) Chrysene-d12	14.051	240	102220	20.000	ng	0.00
86) Perylene-d12	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						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	39878	18.558	ng	# 75
25) Isophorone	7.434	82	295449	51.415	ng	# 62
31) Naphthalene	8.175	128	45067	4.686	ng	# 99
51) 2,6-Dinitrotoluene	9.916	165	12453	9.269	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12453	6.978	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	7247	4.708	ng	# 1

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

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

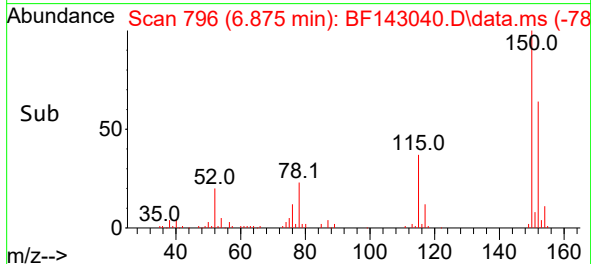
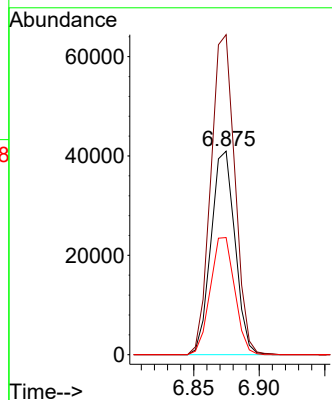
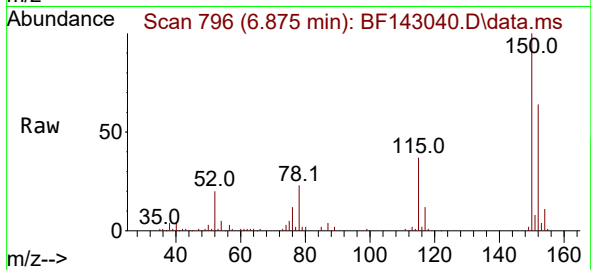




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

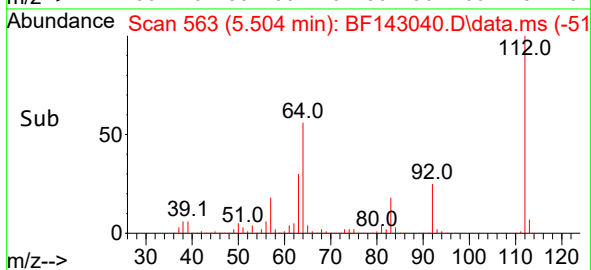
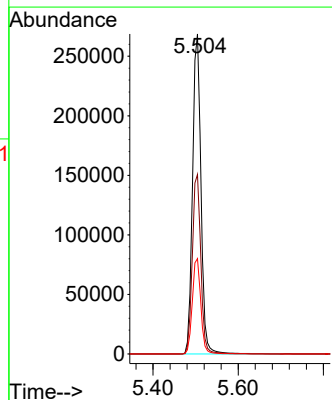
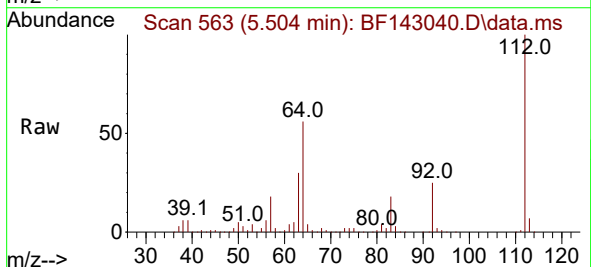
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

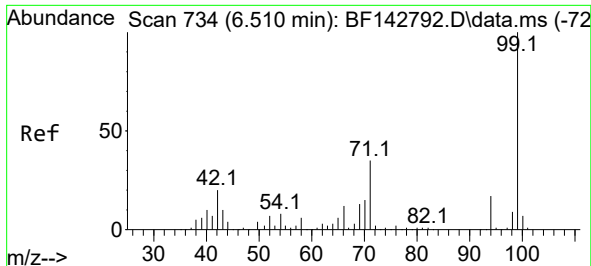
Tgt Ion:152 Resp: 52138
Ion Ratio Lower Upper
152 100
150 157.2 127.2 190.8
115 57.5 46.6 69.8



#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

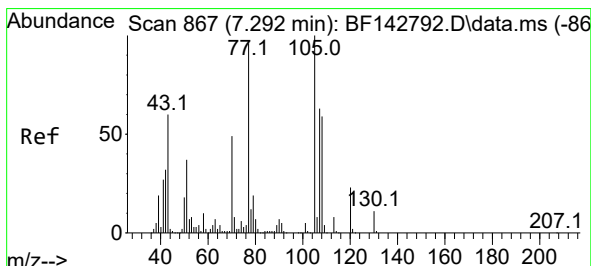
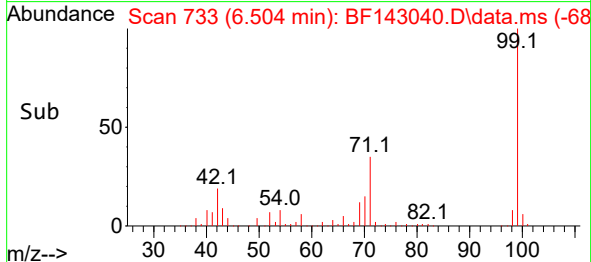
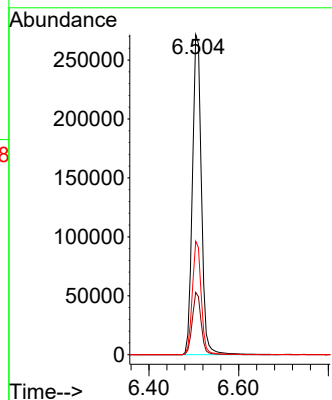
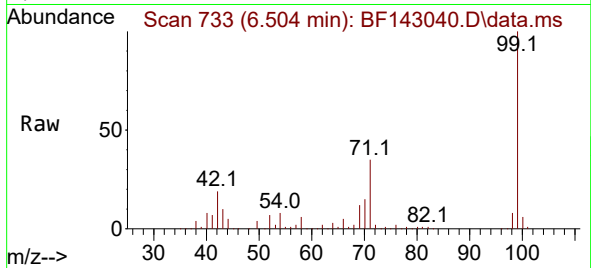




#7
Phenol-d6
Concen: 102.558 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

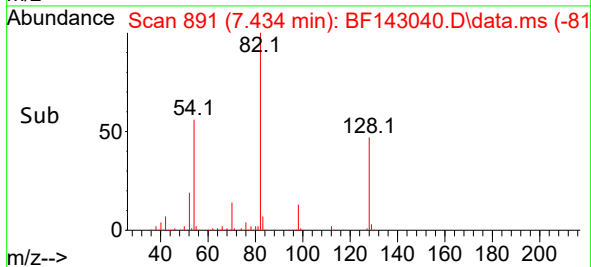
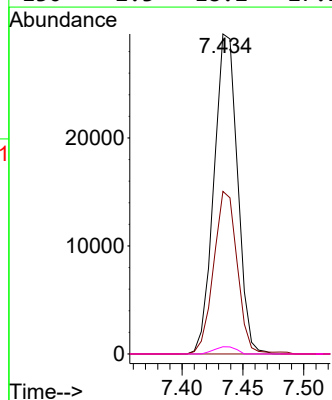
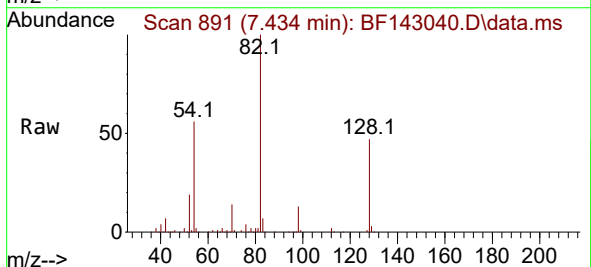
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

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



#19
n-Nitroso-di-n-propylamine
Concen: 18.558 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

Tgt Ion: 70 Resp: 39878
Ion Ratio Lower Upper
70 100
42 50.8 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

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:136 Resp: 196486

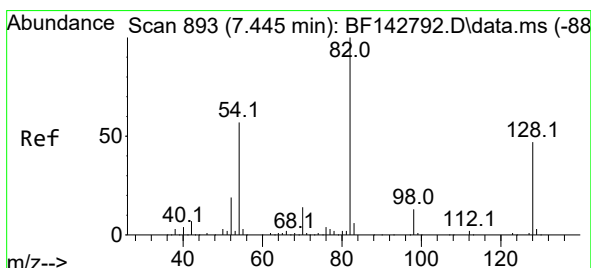
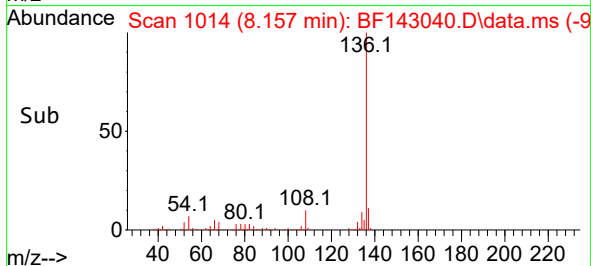
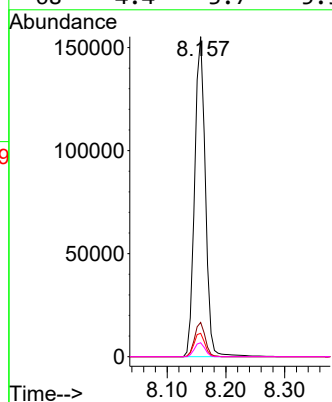
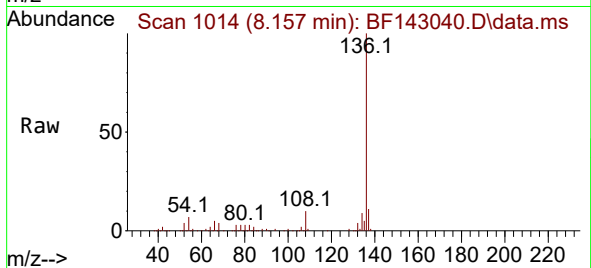
Ion Ratio Lower Upper

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# 891

Delta R.T. -0.011 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

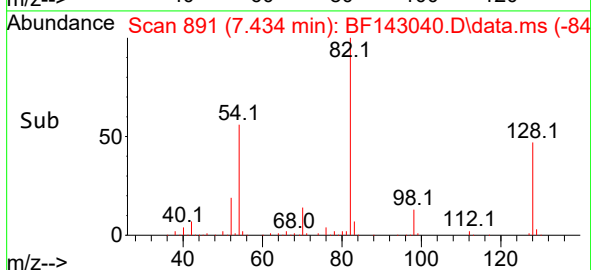
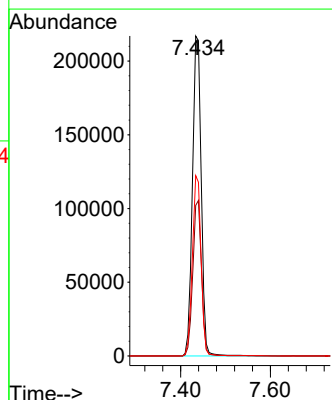
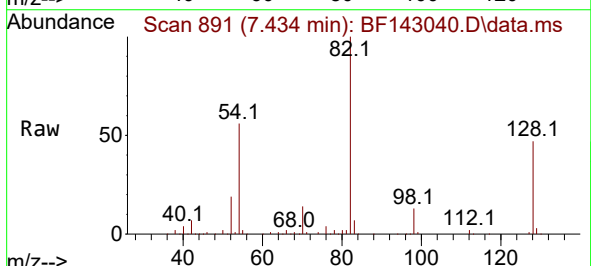
Tgt Ion: 82 Resp: 295451

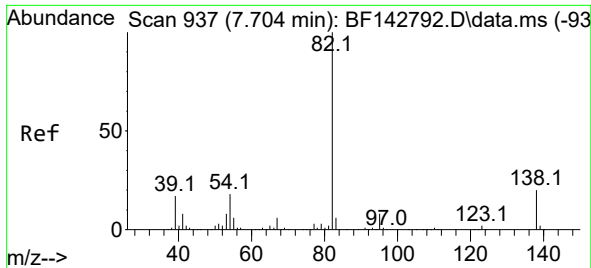
Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 56.4 45.7 68.5

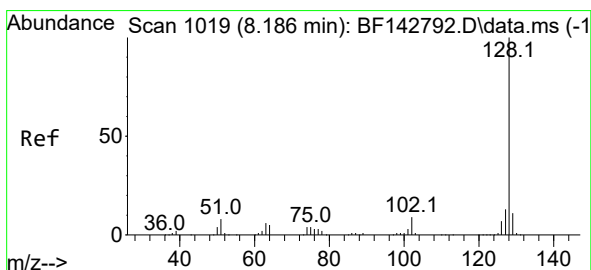
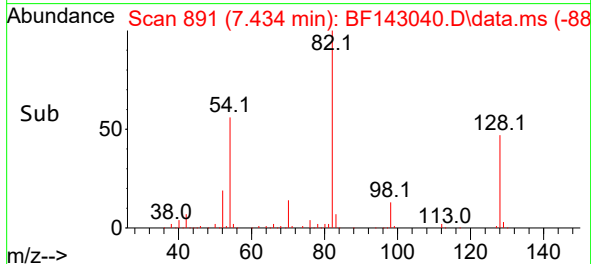
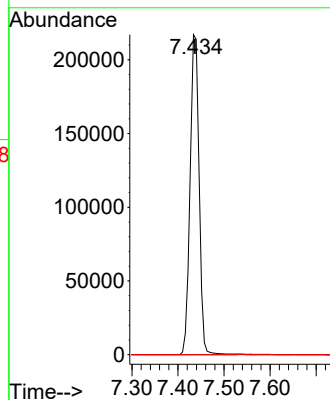
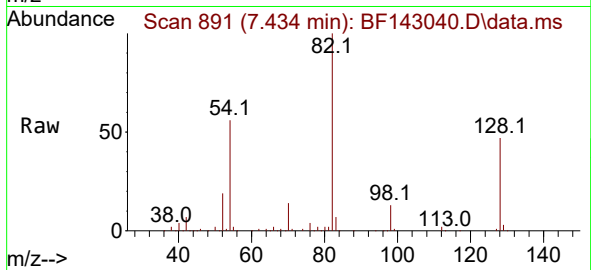




#25
Isophorone
Concen: 51.415 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

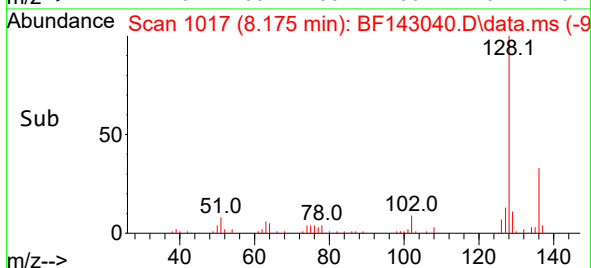
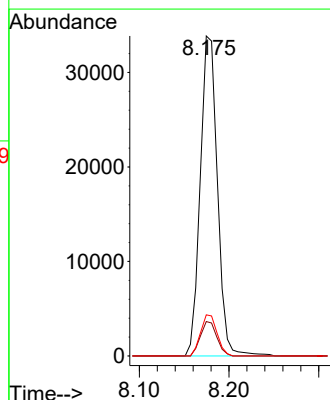
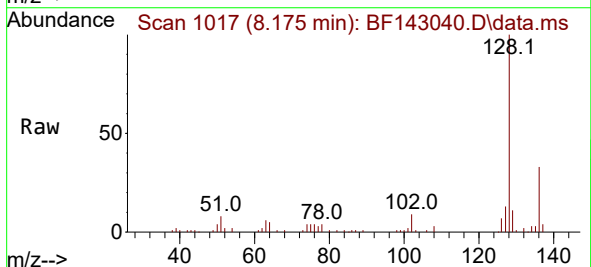
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

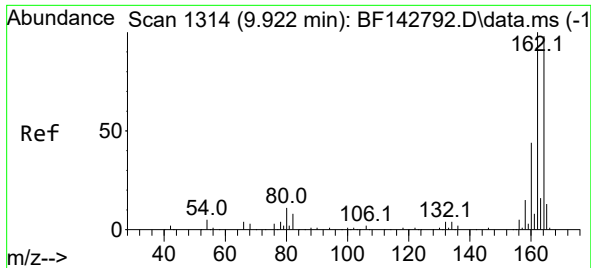
Tgt Ion: 82 Resp: 295449
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#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

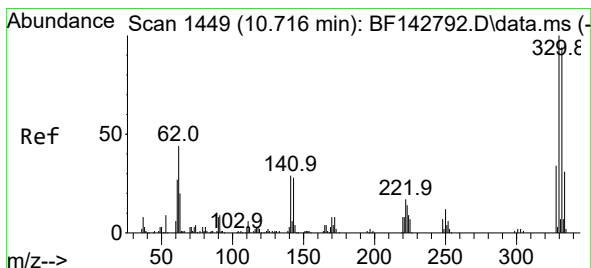
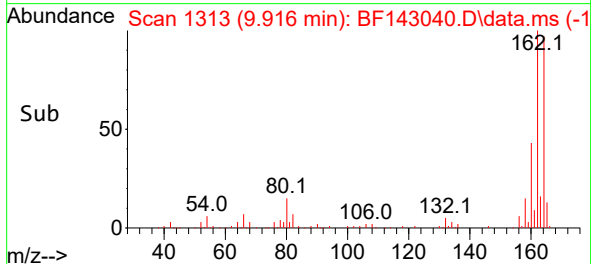
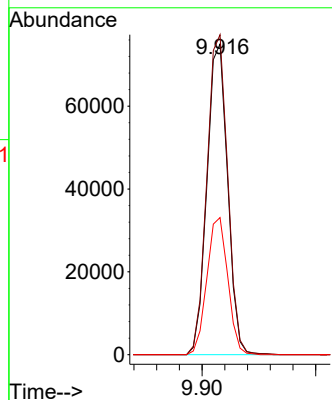
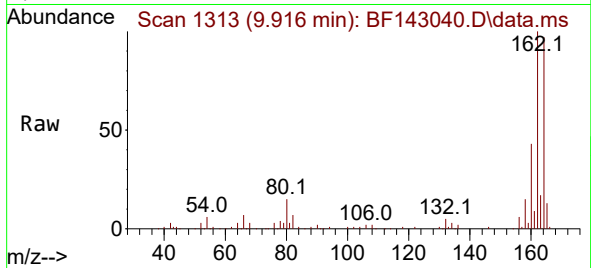




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

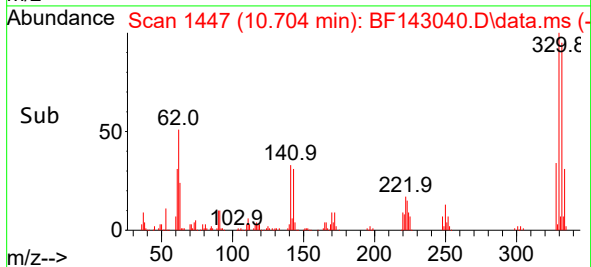
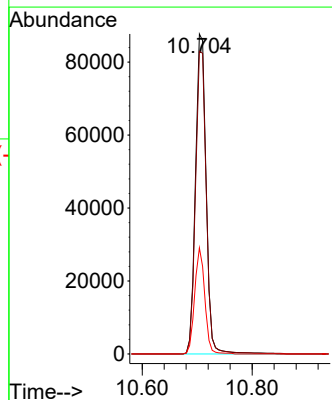
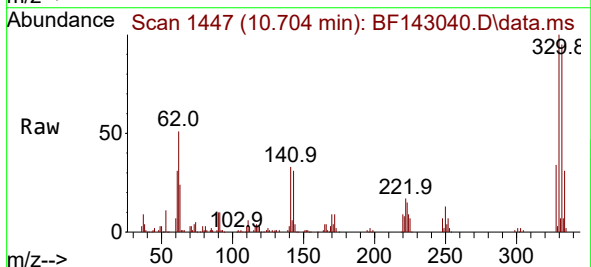
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

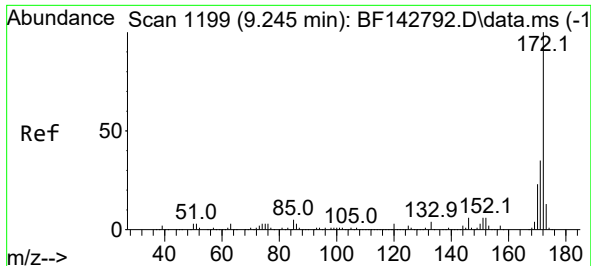
Tgt Ion:164 Resp: 94511
Ion Ratio Lower Upper
164 100
162 103.0 81.8 122.8
160 44.1 36.0 54.0



#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# 1197

Delta R.T. -0.012 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

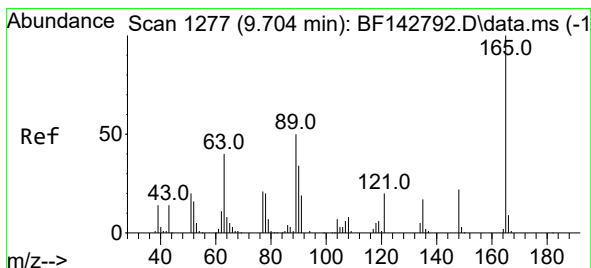
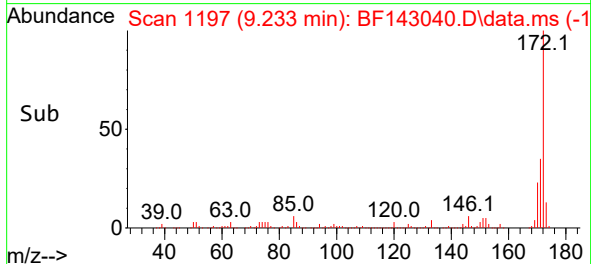
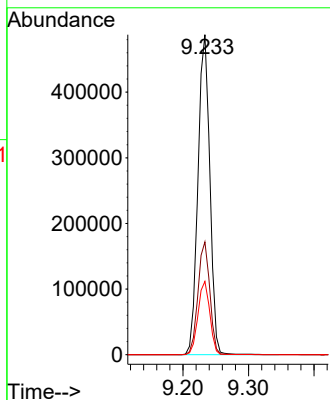
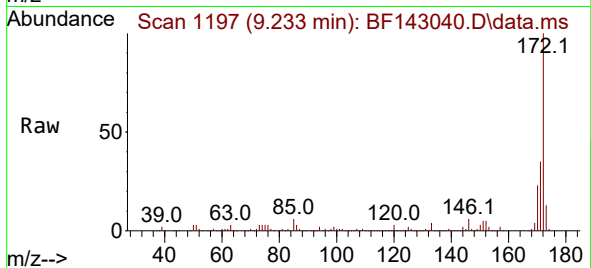
Tgt Ion:172 Resp: 616144

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 22.9 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 9.269 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.212 min

Lab File: BF143040.D

Acq: 08 Jul 2025 18:39

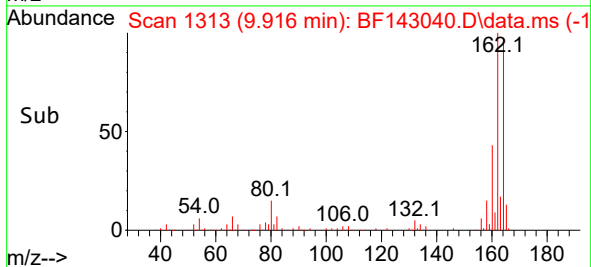
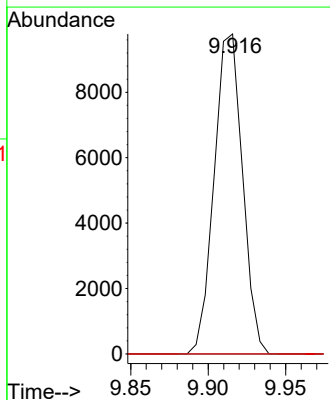
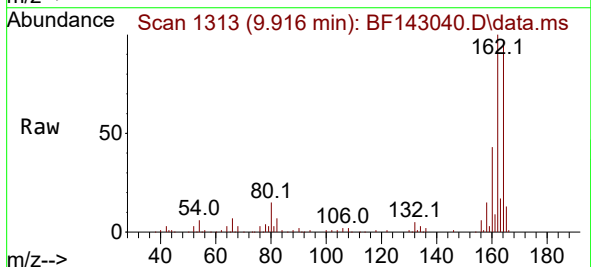
Tgt Ion:165 Resp: 12453

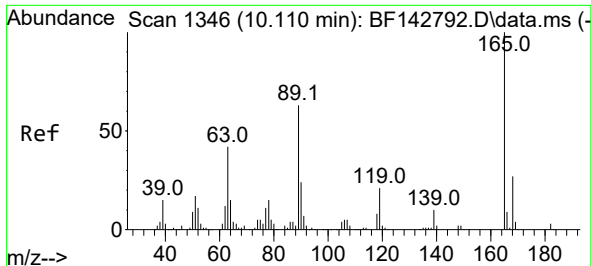
Ion Ratio Lower Upper

165 100

63 0.0 44.2 66.4#

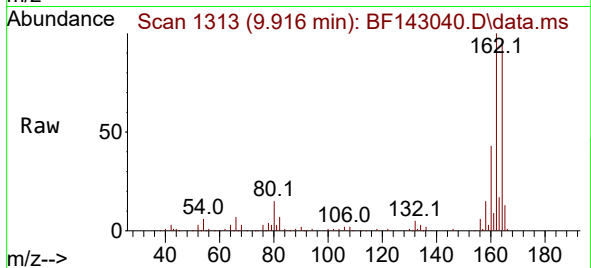
89 0.0 39.8 59.8#



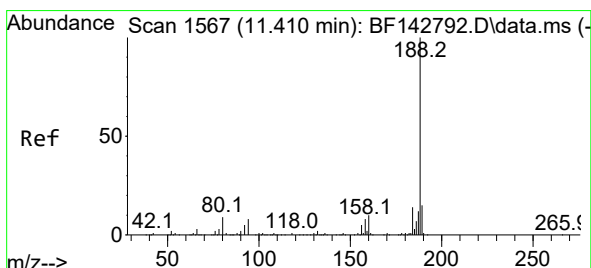
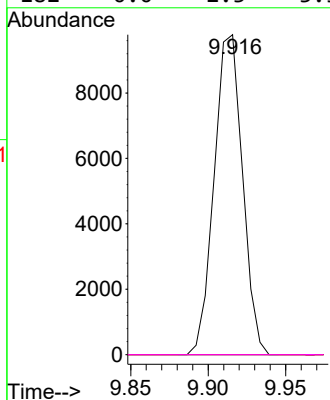
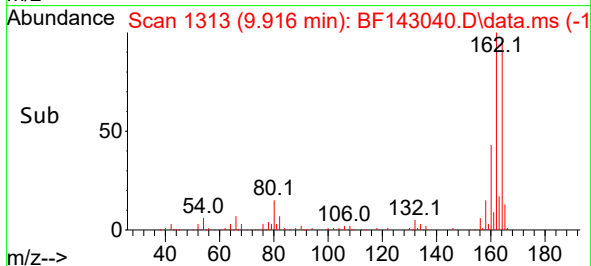


#57
2,4-Dinitrotoluene
Concen: 6.978 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

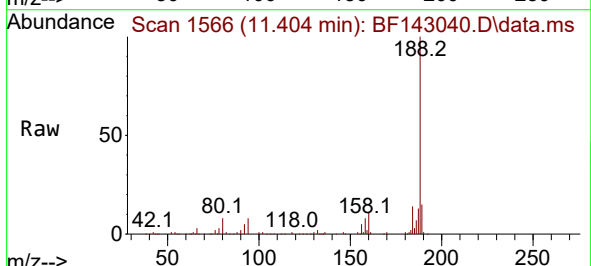
Instrument :
BNA_F
ClientSampleId :
G4(6-12)



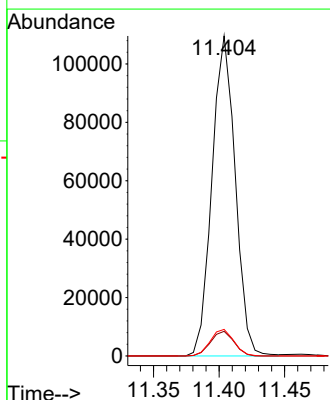
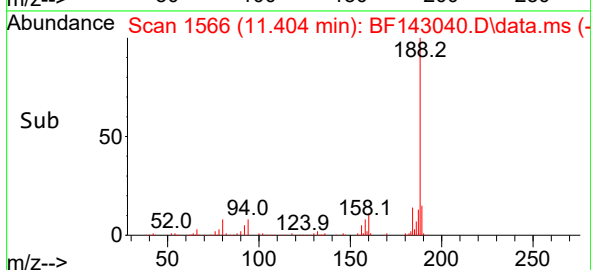
Tgt Ion:165 Resp: 12453
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

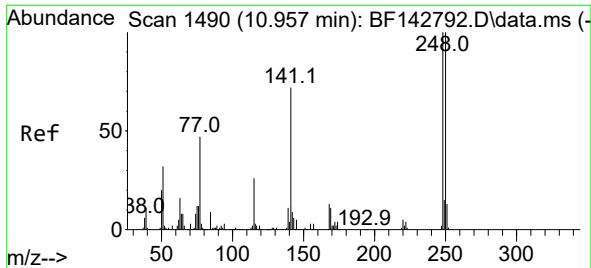


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39



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

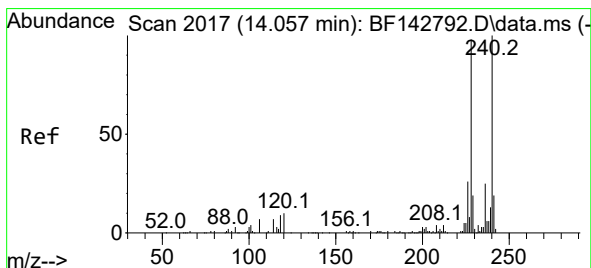
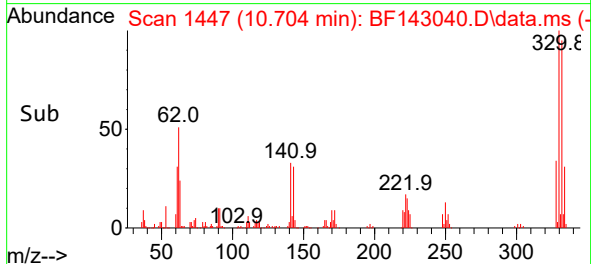
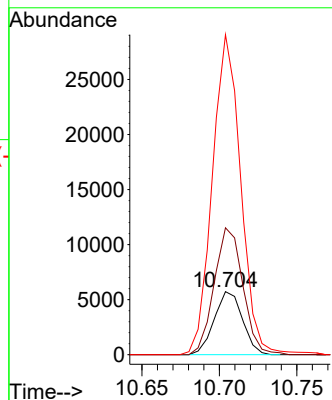
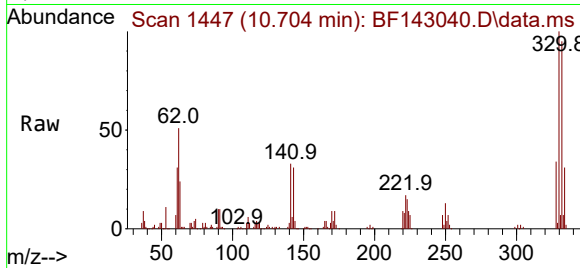




#67
4-Bromophenyl-phenylether
Concen: 4.708 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

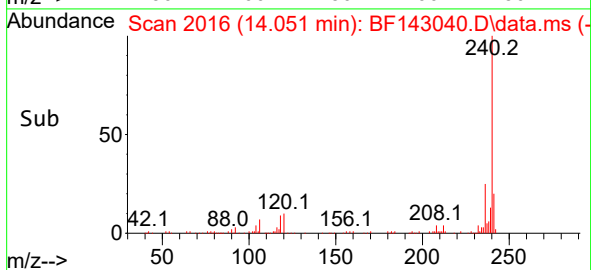
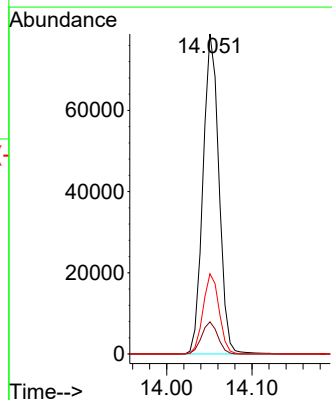
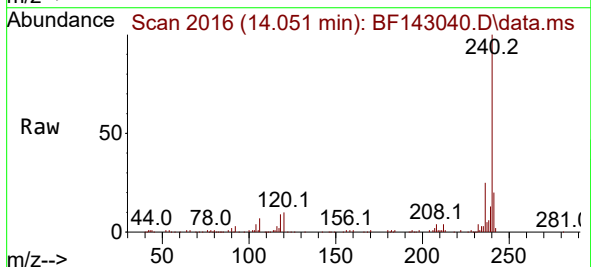
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

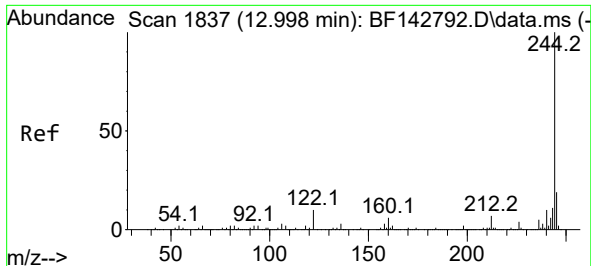
Tgt Ion:248 Resp: 7247
Ion Ratio Lower Upper
248 100
250 201.3 79.8 119.8#
141 507.8 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143040.D
Acq: 08 Jul 2025 18:39

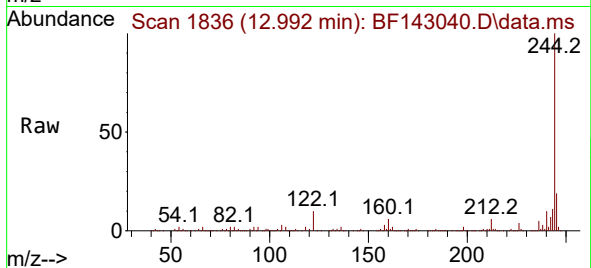
Tgt Ion:240 Resp: 102220
Ion Ratio Lower Upper
240 100
120 10.1 8.2 12.2
236 25.0 19.8 29.8



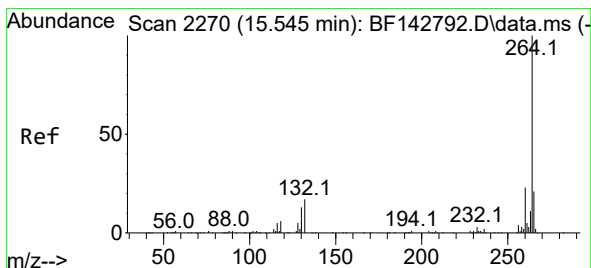
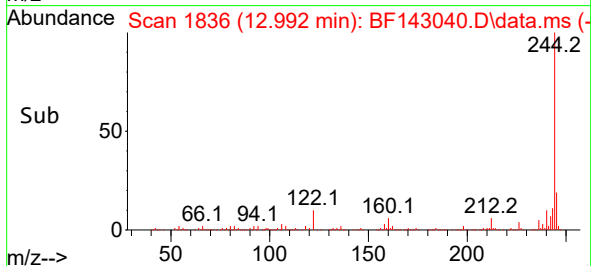
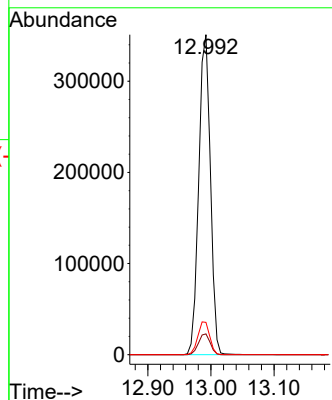


#79
 Terphenyl-d14
 Concen: 60.613 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143040.D
 Acq: 08 Jul 2025 18:39

Instrument :
 BNA_F
 ClientSampleId :
 G4(6-12)



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# 2271
 Delta R.T. 0.006 min
 Lab File: BF143040.D
 Acq: 08 Jul 2025 18:39

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

