

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143009.D
 Acq On : 07 Jul 2025 15:17
 Operator : RC/JU
 Sample : Q2487-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4(6-12)

Quant Time: Jul 07 16:08:22 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)

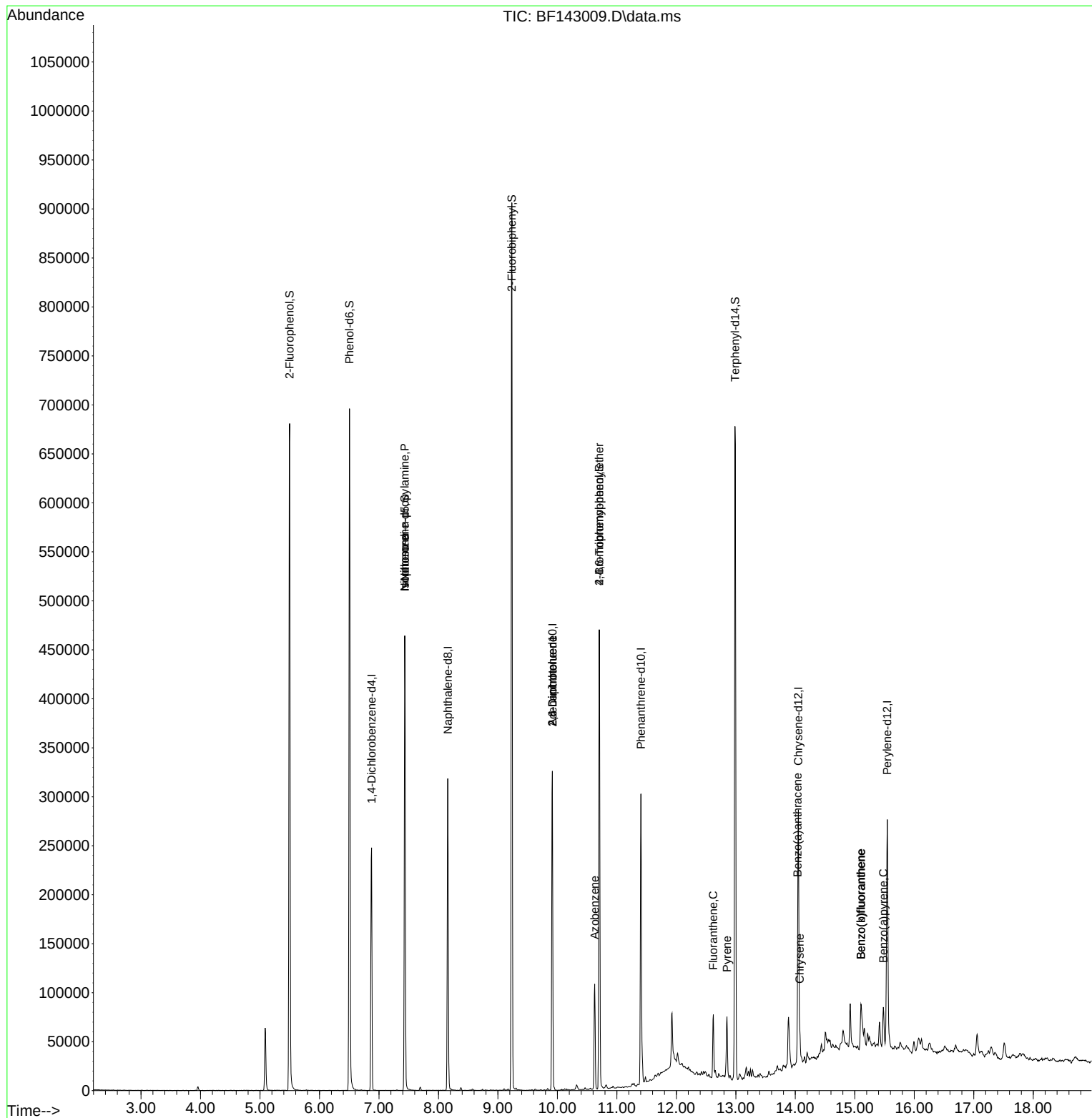
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56558	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	204687	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	100135	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	154869	20.000	ng	0.00
76) Chrysene-d12	14.051	240	114112	20.000	ng	0.00
86) Perylene-d12	15.545	264	133109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	271693	79.980	ng	0.00
7) Phenol-d6	6.504	99	319506	79.720	ng	0.00
23) Nitrobenzene-d5	7.433	82	198632	53.228	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	82249	79.818	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	406950	53.388	ng	-0.01
79) Terphenyl-d14	12.986	244	329358	39.880	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.433	70	26350	11.304	ng	# 75
25) Isophorone	7.433	82	198630	33.181	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12830	9.013	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12830	6.786	ng	# 26
63) Azobenzene	10.627	77	25786	4.540	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5033	2.856	ng	# 1
75) Fluoranthene	12.621	202	37767	4.744	ng	97
78) Pyrene	12.851	202	37174	3.475	ng	99
81) Benzo(a)anthracene	14.039	228	21713	2.821	ng	96
83) Chrysene	14.074	228	17745	2.583	ng	98
88) Benzo(b)fluoranthene	15.104	252	38461	4.993	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	38461	5.337	ng	# 96
90) Benzo(a)pyrene	15.480	252	22145	2.976	ng	96

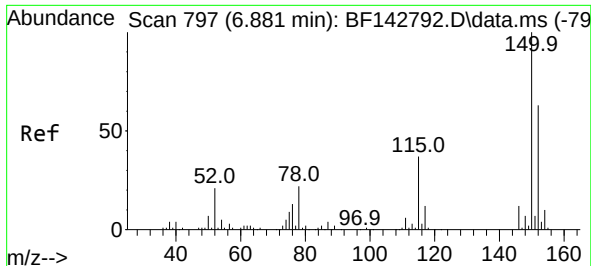
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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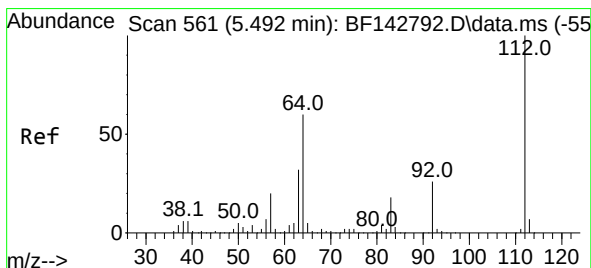
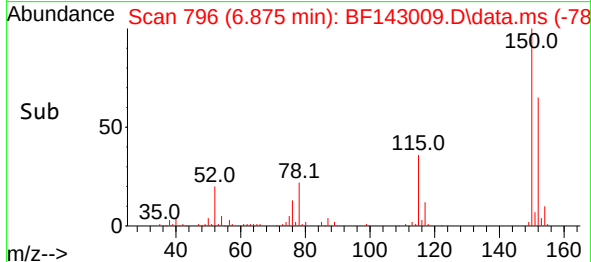
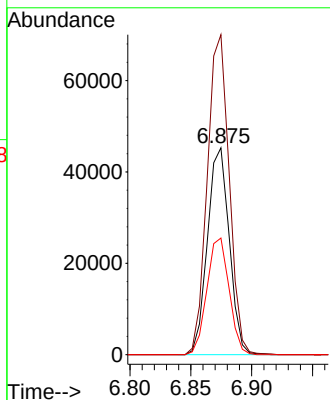
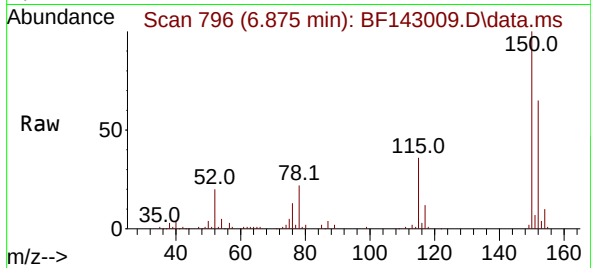




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

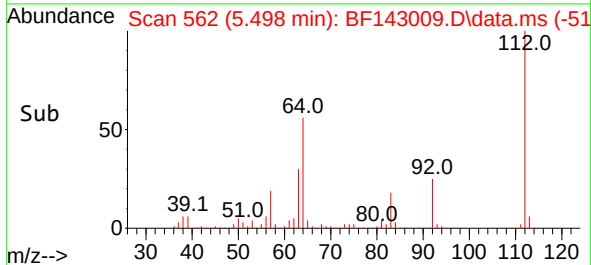
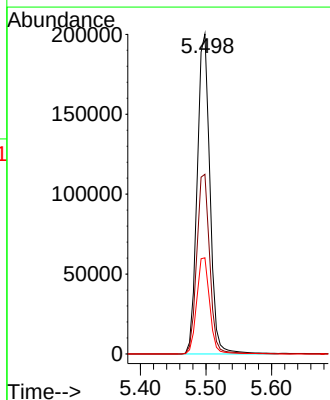
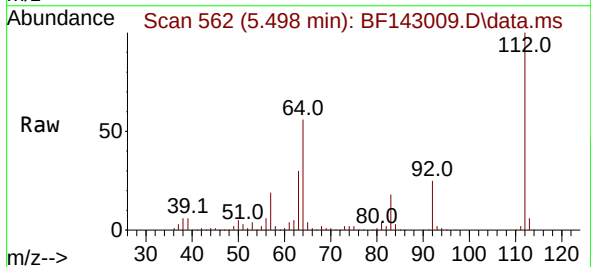
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

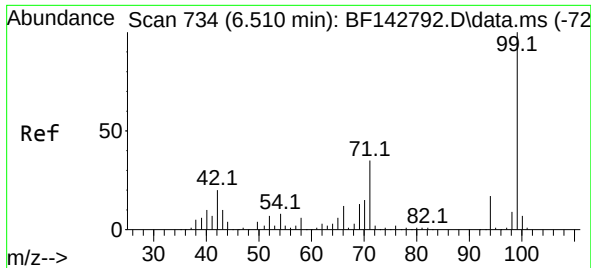
Tgt Ion:152 Resp: 56558
Ion Ratio Lower Upper
152 100
150 154.7 127.2 190.8
115 56.4 46.6 69.8



#5
2-Fluorophenol
Concen: 79.980 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:112 Resp: 271693
Ion Ratio Lower Upper
112 100
64 56.2 48.2 72.2
63 30.0 25.7 38.5

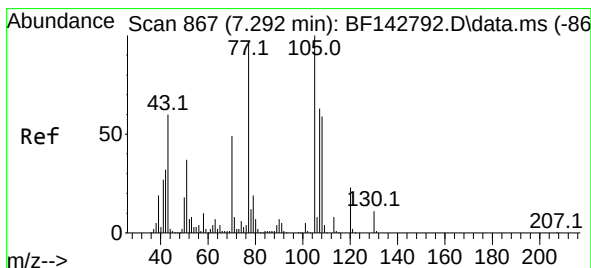
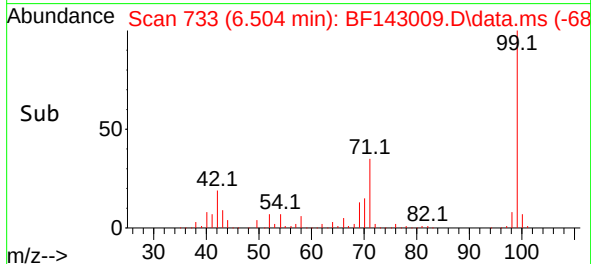
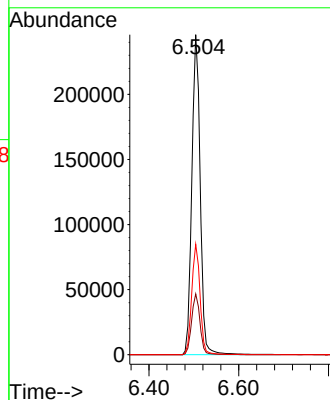
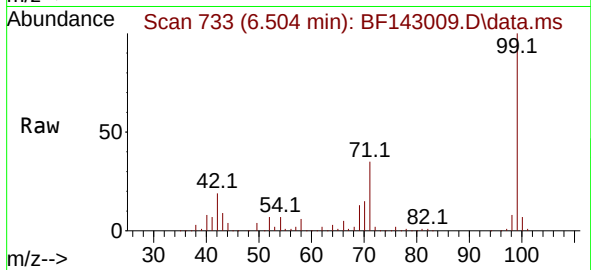




#7
Phenol-d6
Concen: 79.720 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

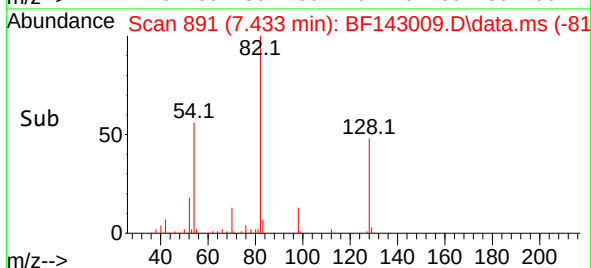
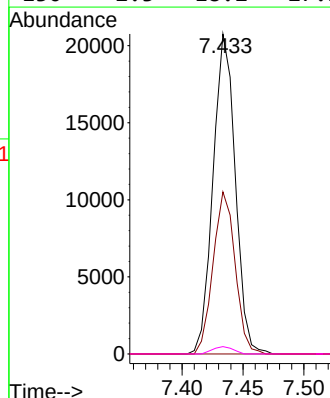
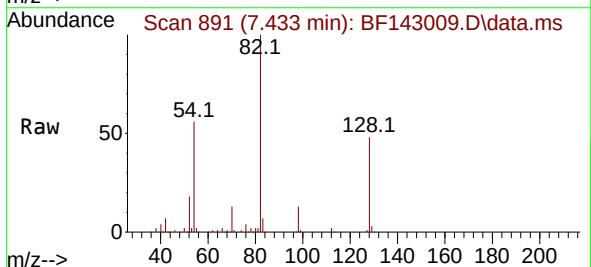
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

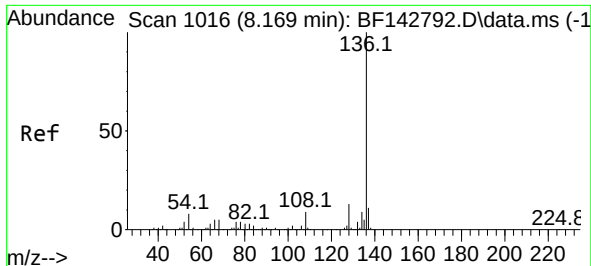
Tgt Ion: 99 Resp: 319506
Ion Ratio Lower Upper
99 100
42 19.0 15.9 23.9
71 34.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.304 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion: 70 Resp: 26350
Ion Ratio Lower Upper
70 100
42 50.6 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



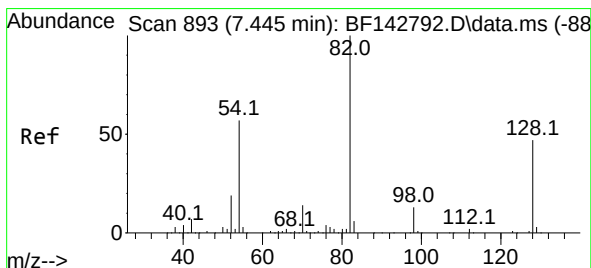
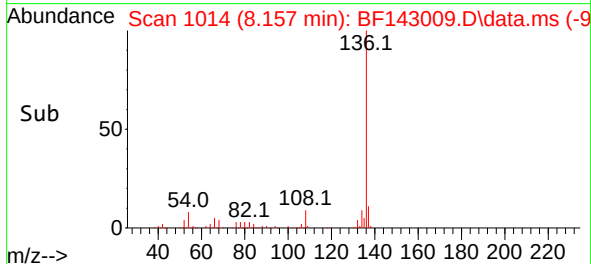
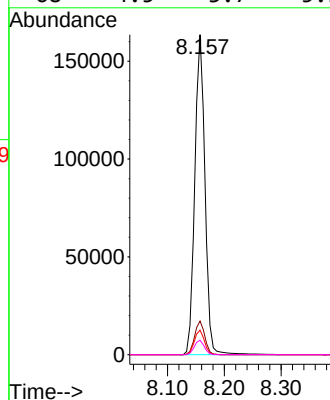
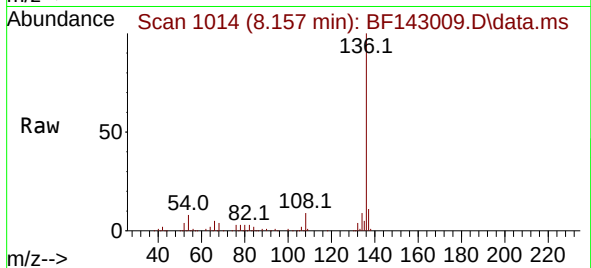


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Instrument :
BNA_F
ClientSampleId :
G4(6-12)

Tgt Ion:136 Resp: 204687

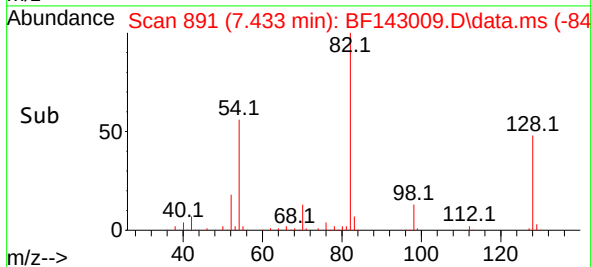
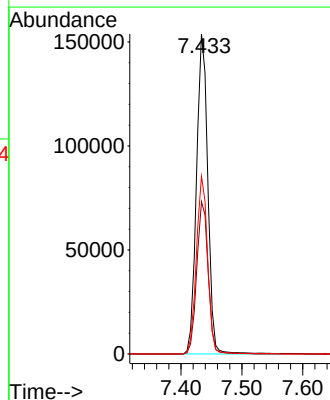
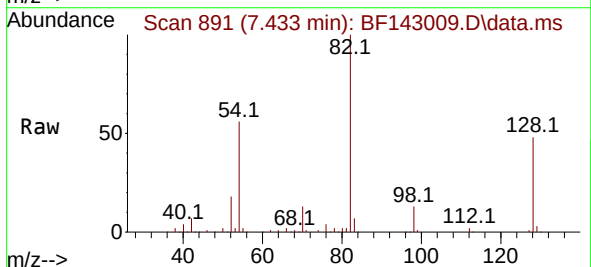
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.6	6.3	9.5
68	4.5	3.7	5.5

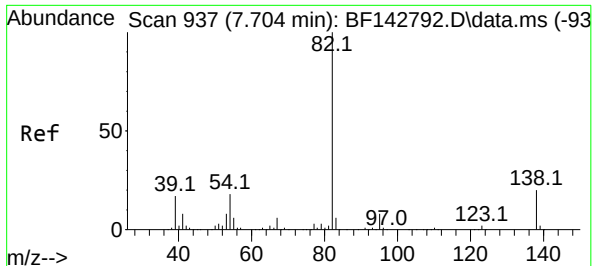


#23
Nitrobenzene-d5
Concen: 53.228 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion: 82 Resp: 198632

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	55.5	45.7	68.5

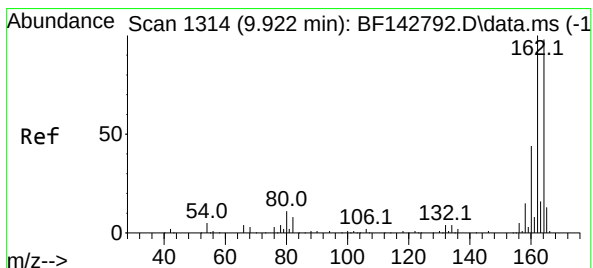
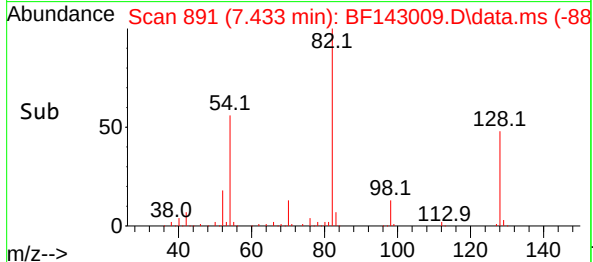
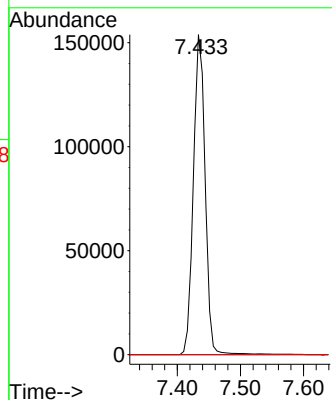
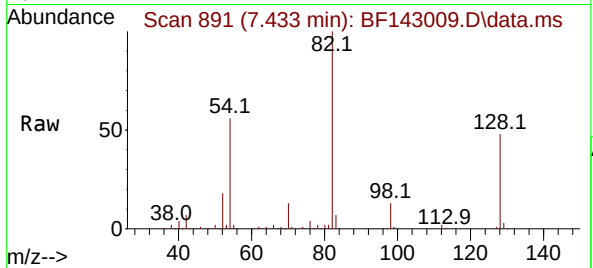




#25
Isophorone
Concen: 33.181 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

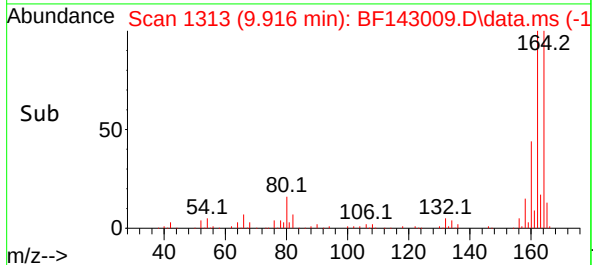
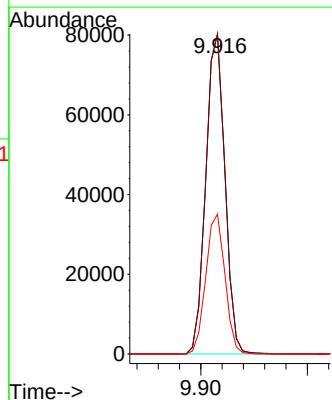
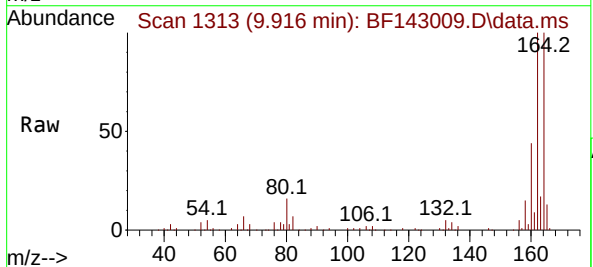
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

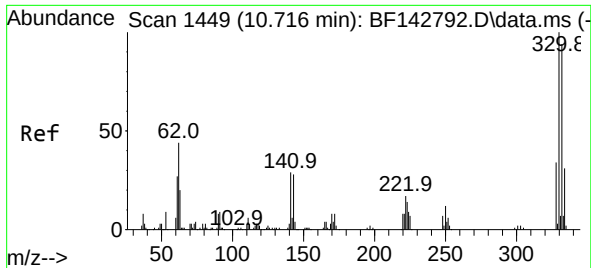
Tgt Ion: 82 Resp: 198630
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:164 Resp: 100135
Ion Ratio Lower Upper
164 100
162 100.1 81.8 122.8
160 43.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 79.818 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

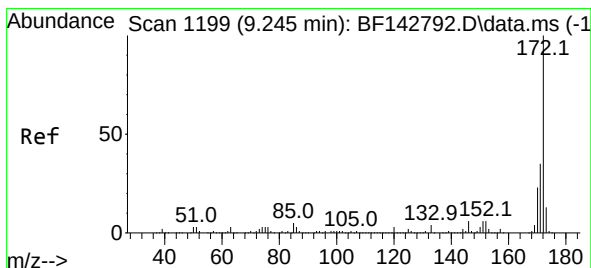
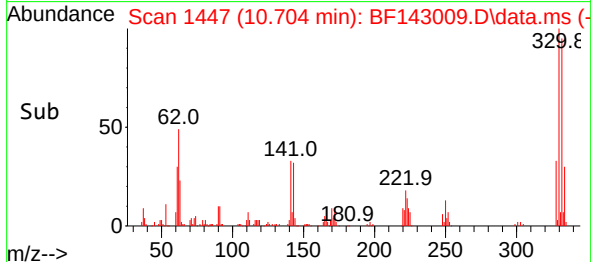
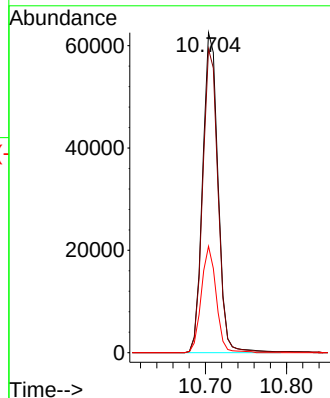
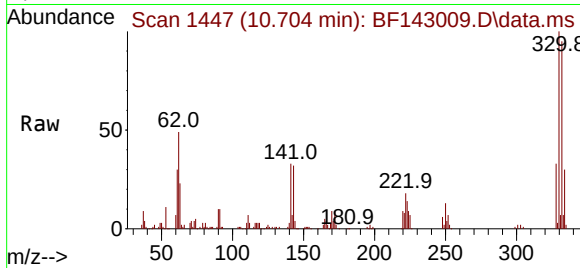
Tgt Ion:330 Resp: 82249

Ion Ratio Lower Upper

330 100

332 94.7 75.0 112.6

141 32.2 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 53.388 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

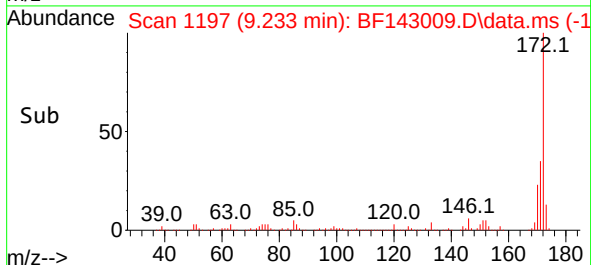
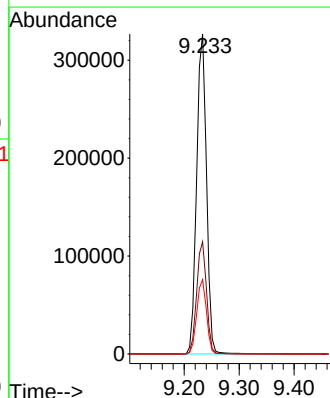
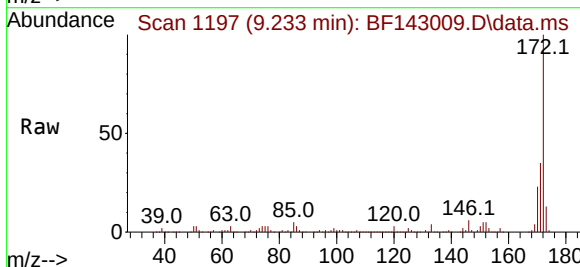
Tgt Ion:172 Resp: 406950

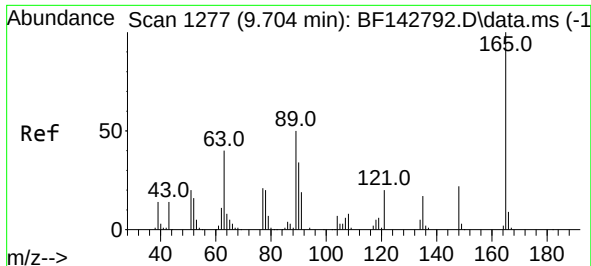
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.2 18.5 27.7





#51

2,6-Dinitrotoluene

Concen: 9.013 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

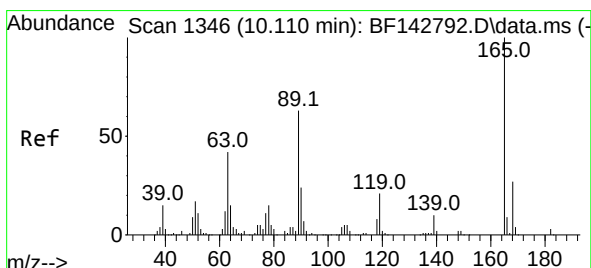
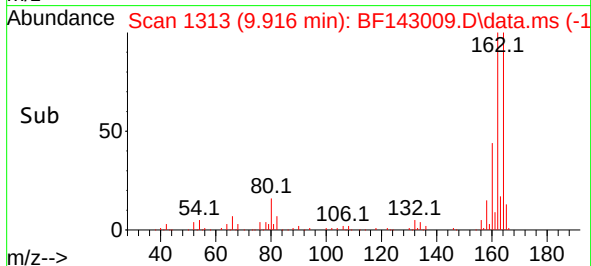
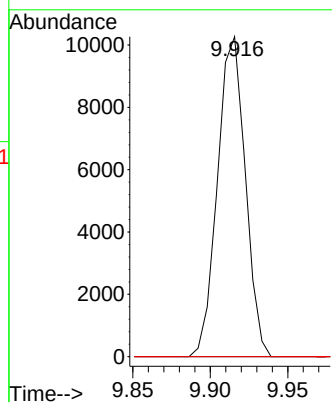
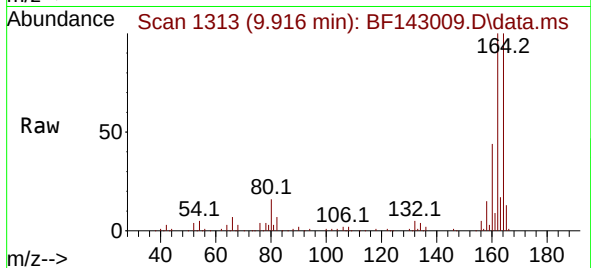
Tgt Ion:165 Resp: 12830

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: 6.786 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.194 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

Tgt Ion:165 Resp: 12830

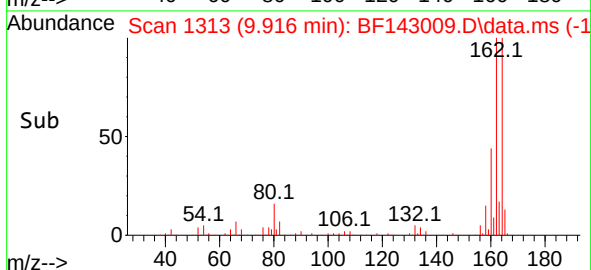
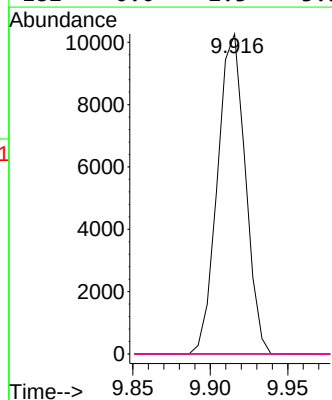
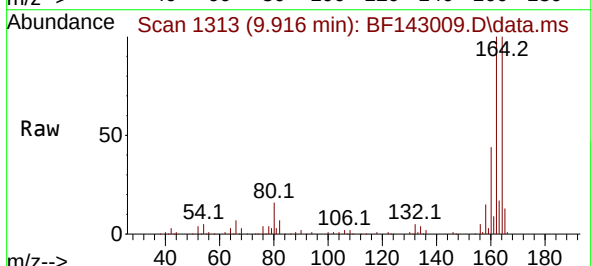
Ion Ratio Lower Upper

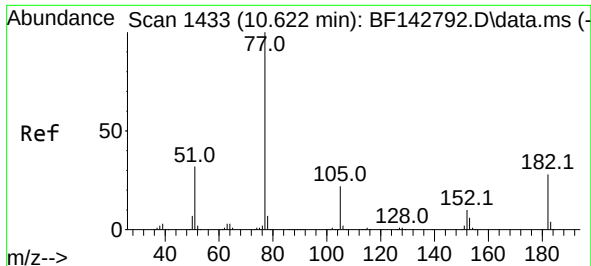
165 100

63 0.0 33.9 50.9#

89 0.0 50.6 75.8#

182 0.0 2.3 3.5#

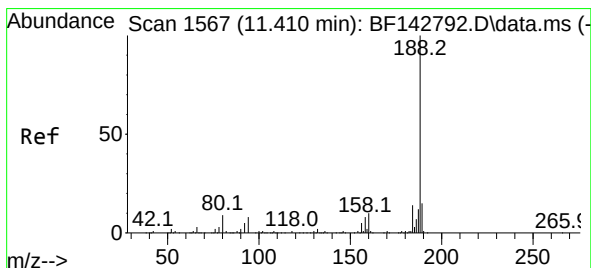
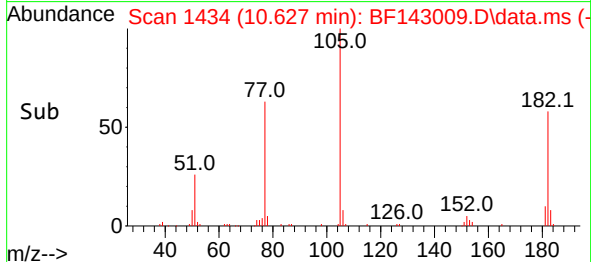
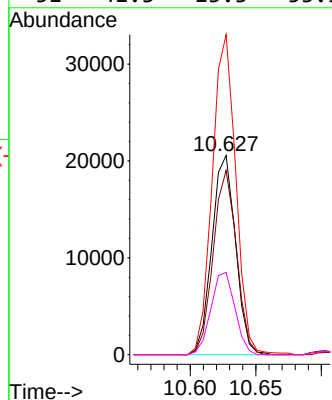
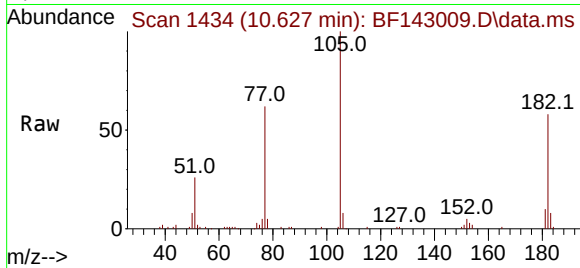




#63
Azobenzene
Concen: 4.540 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

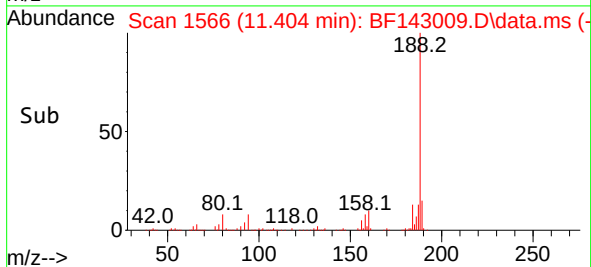
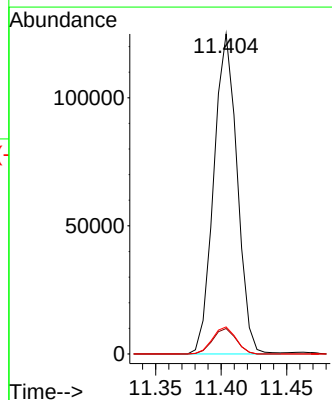
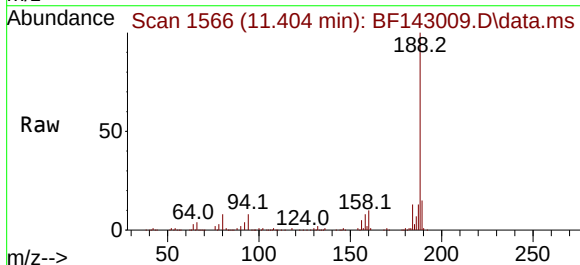
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

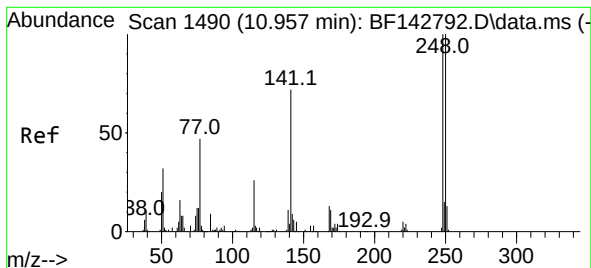
Tgt Ion: 77 Resp: 25786
Ion Ratio Lower Upper
77 100
182 92.5 7.7 47.7#
105 160.7 1.9 41.9#
51 41.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion: 188 Resp: 154869
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.4 6.9 10.3

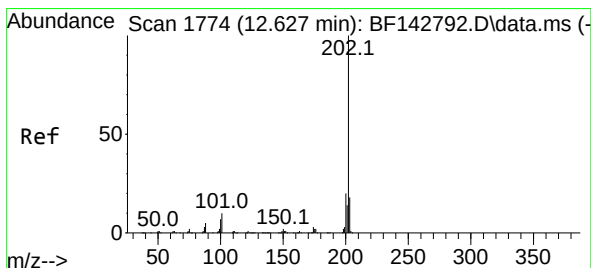
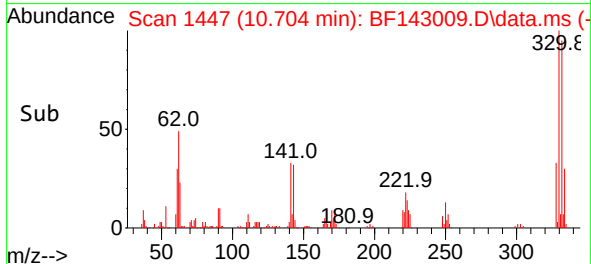
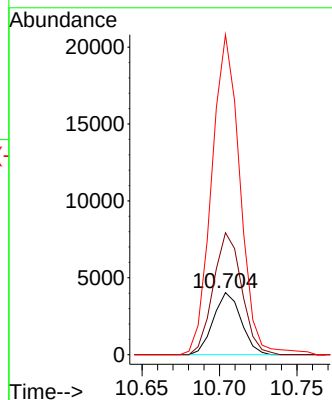
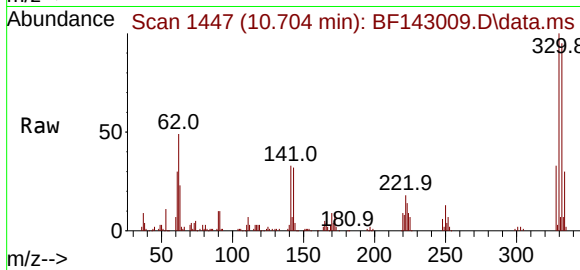




#67
4-Bromophenyl-phenylether
Concen: 2.856 ng
RT: 10.704 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

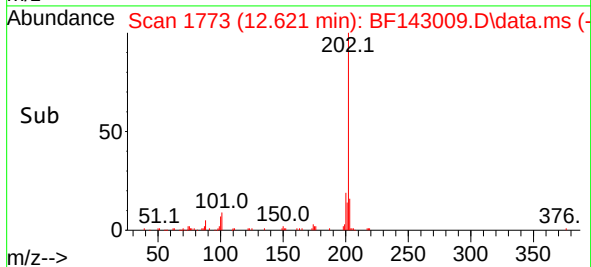
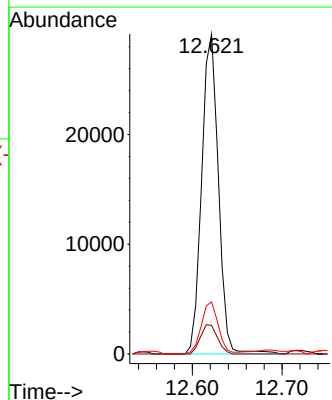
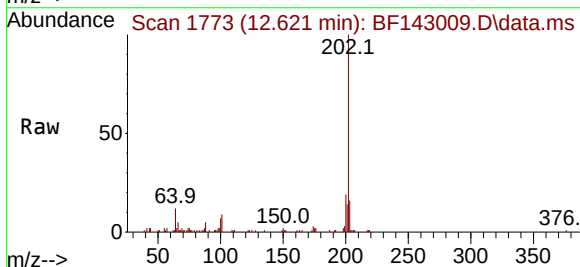
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

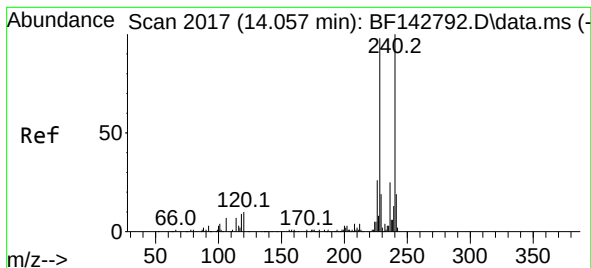
Tgt Ion:248 Resp: 5033
Ion Ratio Lower Upper
248 100
250 196.7 79.8 119.8#
141 515.9 57.8 86.6#



#75
Fluoranthene
Concen: 4.744 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:202 Resp: 37767
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 16.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

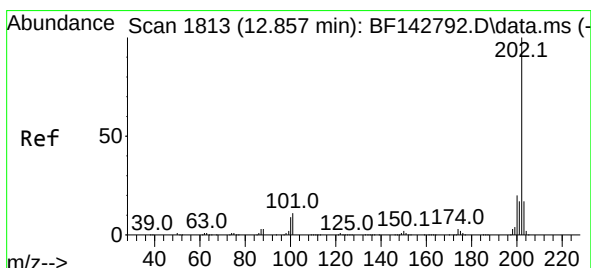
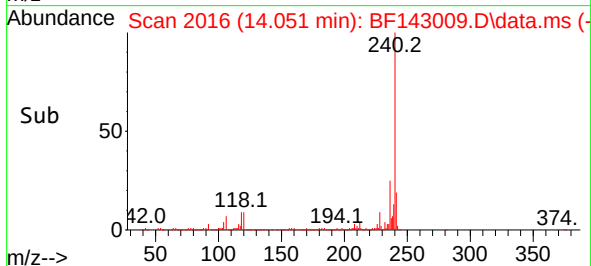
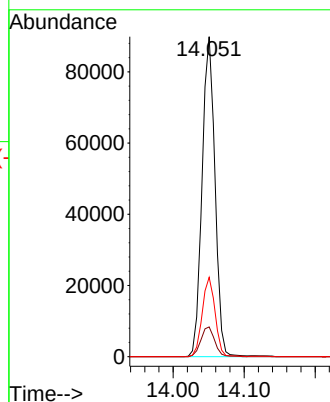
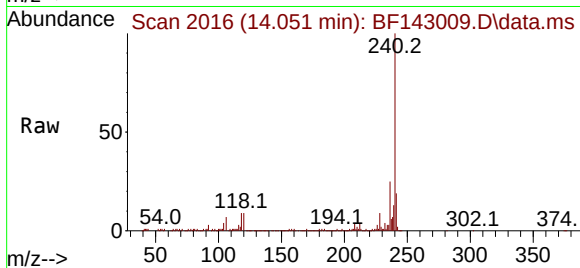
Tgt Ion:240 Resp: 114112

Ion Ratio Lower Upper

240 100

120 9.3 8.2 12.2

236 24.8 19.8 29.8



#78

Pyrene

Concen: 3.475 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

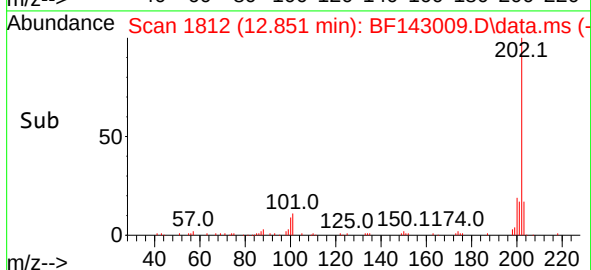
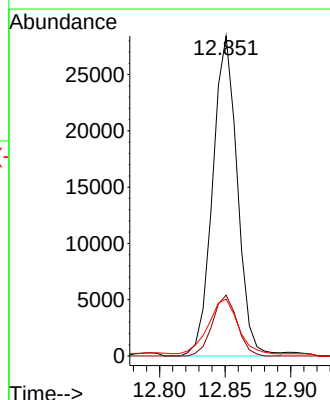
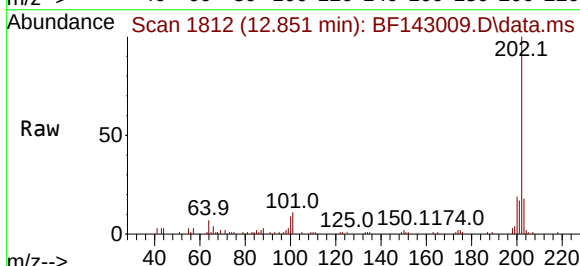
Tgt Ion:202 Resp: 37174

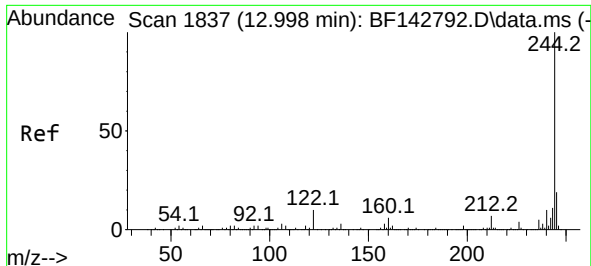
Ion Ratio Lower Upper

202 100

200 19.0 15.7 23.5

203 17.8 13.8 20.6

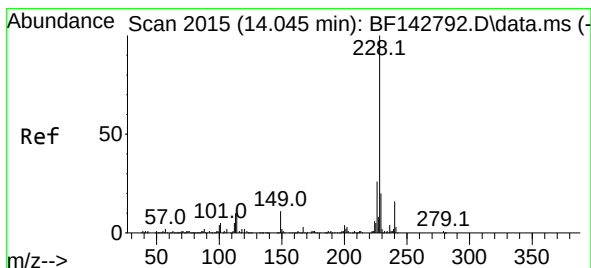
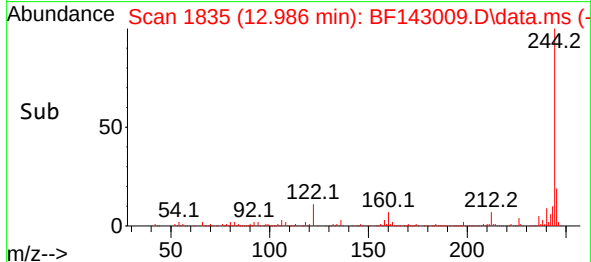
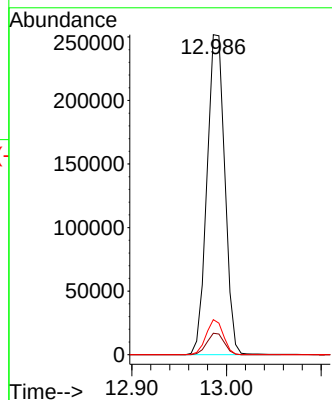
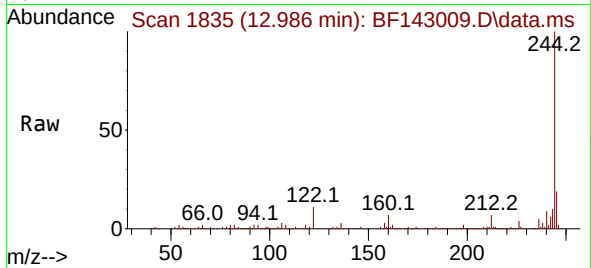




#79
 Terphenyl-d14
 Concen: 39.880 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF143009.D
 Acq: 07 Jul 2025 15:17

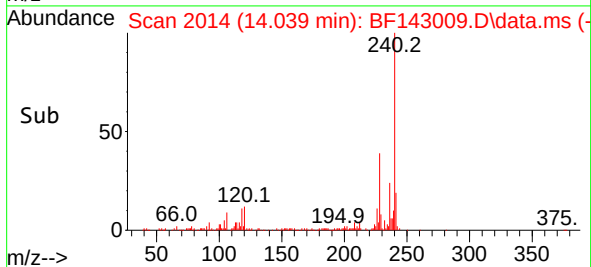
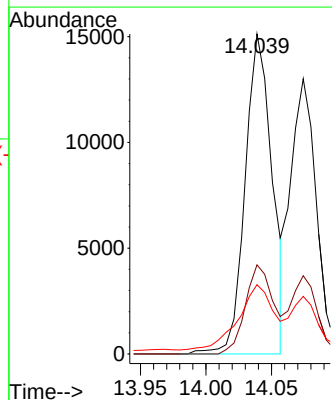
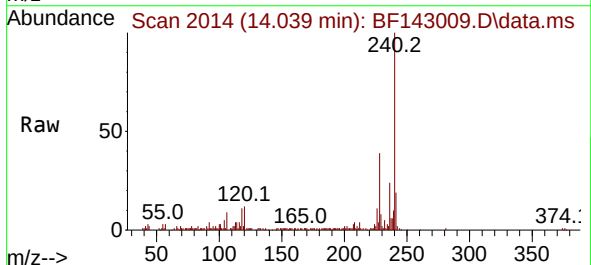
Instrument :
 BNA_F
 ClientSampleId :
 G4(6-12)

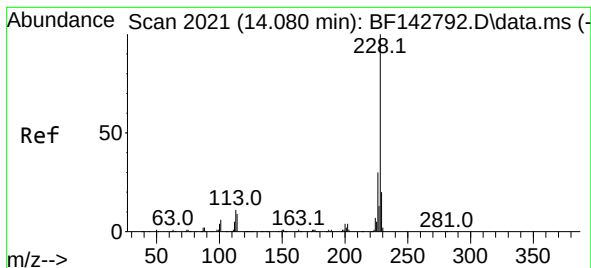
Tgt Ion:244 Resp: 329358
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.0 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.821 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF143009.D
 Acq: 07 Jul 2025 15:17

Tgt Ion:228 Resp: 21713
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.2 31.8
 229 21.7 15.6 23.4





#83

Chrysene

Concen: 2.583 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

Instrument :

BNA_F

ClientSampleId :

G4(6-12)

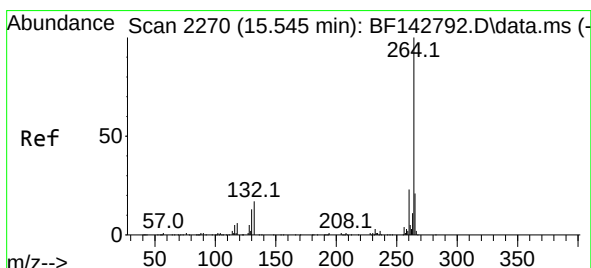
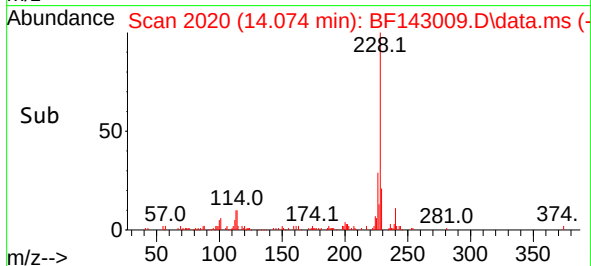
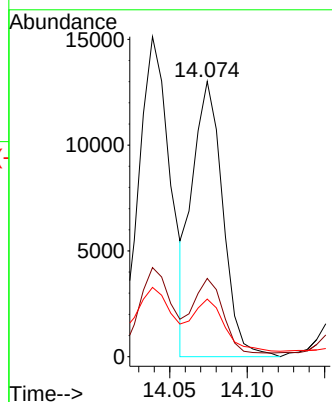
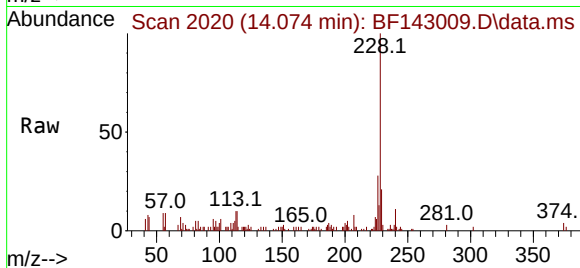
Tgt Ion:228 Resp: 17745

Ion Ratio Lower Upper

228 100

226 28.4 23.7 35.5

229 20.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF143009.D

Acq: 07 Jul 2025 15:17

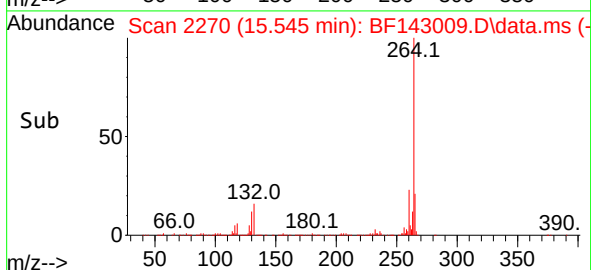
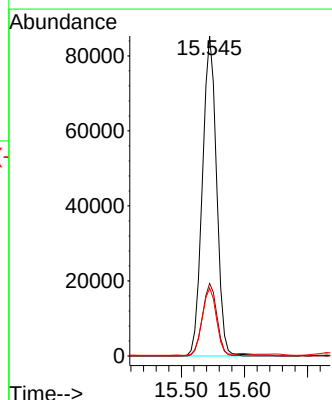
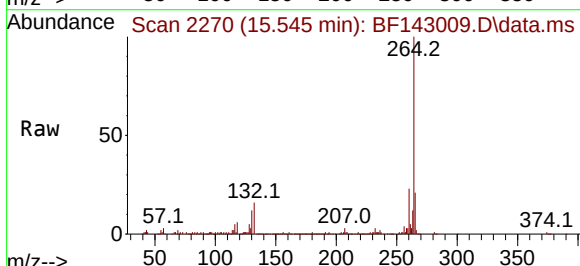
Tgt Ion:264 Resp: 133109

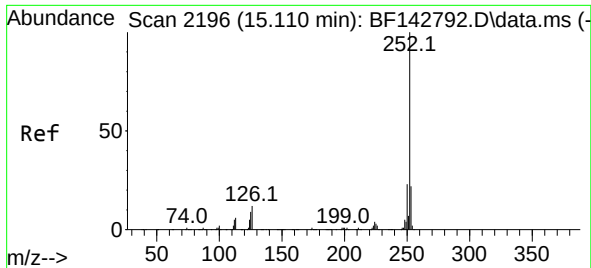
Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.2 16.6 25.0

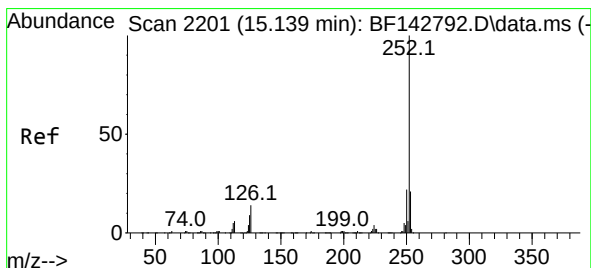
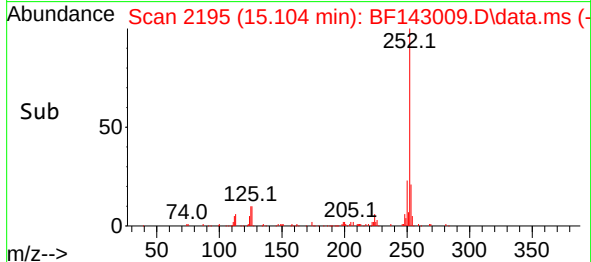
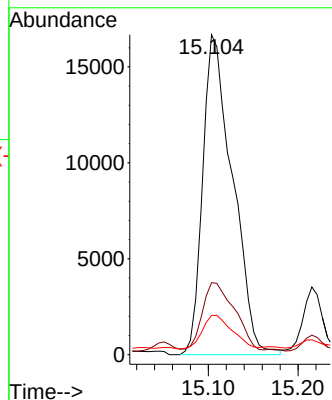
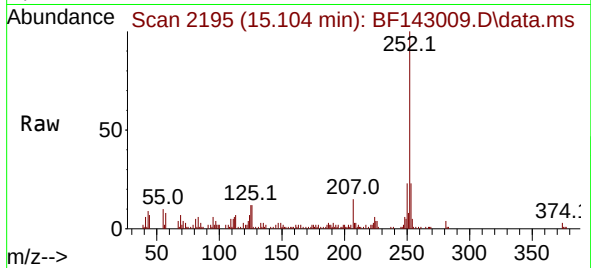




#88
Benzo(b)fluoranthene
Concen: 4.993 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

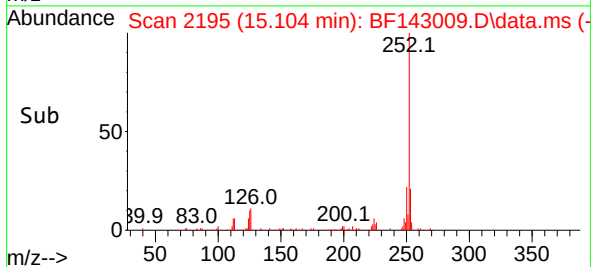
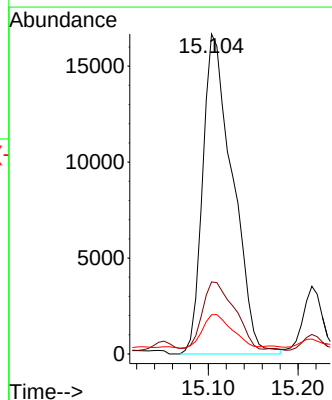
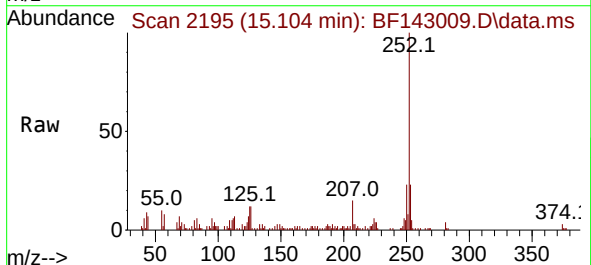
Instrument :
BNA_F
ClientSampleId :
G4(6-12)

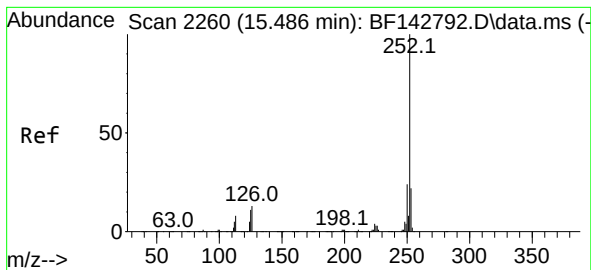
Tgt Ion:252 Resp: 38461
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 12.3 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 5.337 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF143009.D
Acq: 07 Jul 2025 15:17

Tgt Ion:252 Resp: 38461
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.976 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143009.D

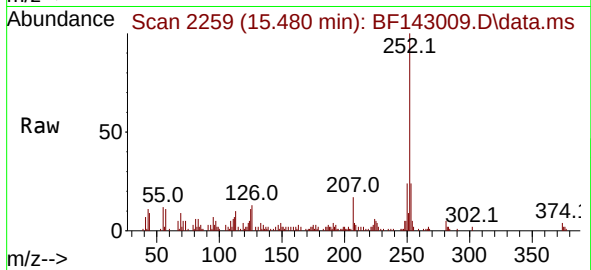
Acq: 07 Jul 2025 15:17

Instrument :

BNA_F

ClientSampleId :

G4(6-12)



Tgt Ion:252	Resp:	22145
Ion Ratio	Lower	Upper
252	100	
253	24.4	17.5 26.3
125	11.0	8.6 12.8

