

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070725\
 Data File : BF143008.D
 Acq On : 07 Jul 2025 14:47
 Operator : RC/JU
 Sample : Q2487-12
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G3(6-12)

Quant Time: Jul 07 15:07:16 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)

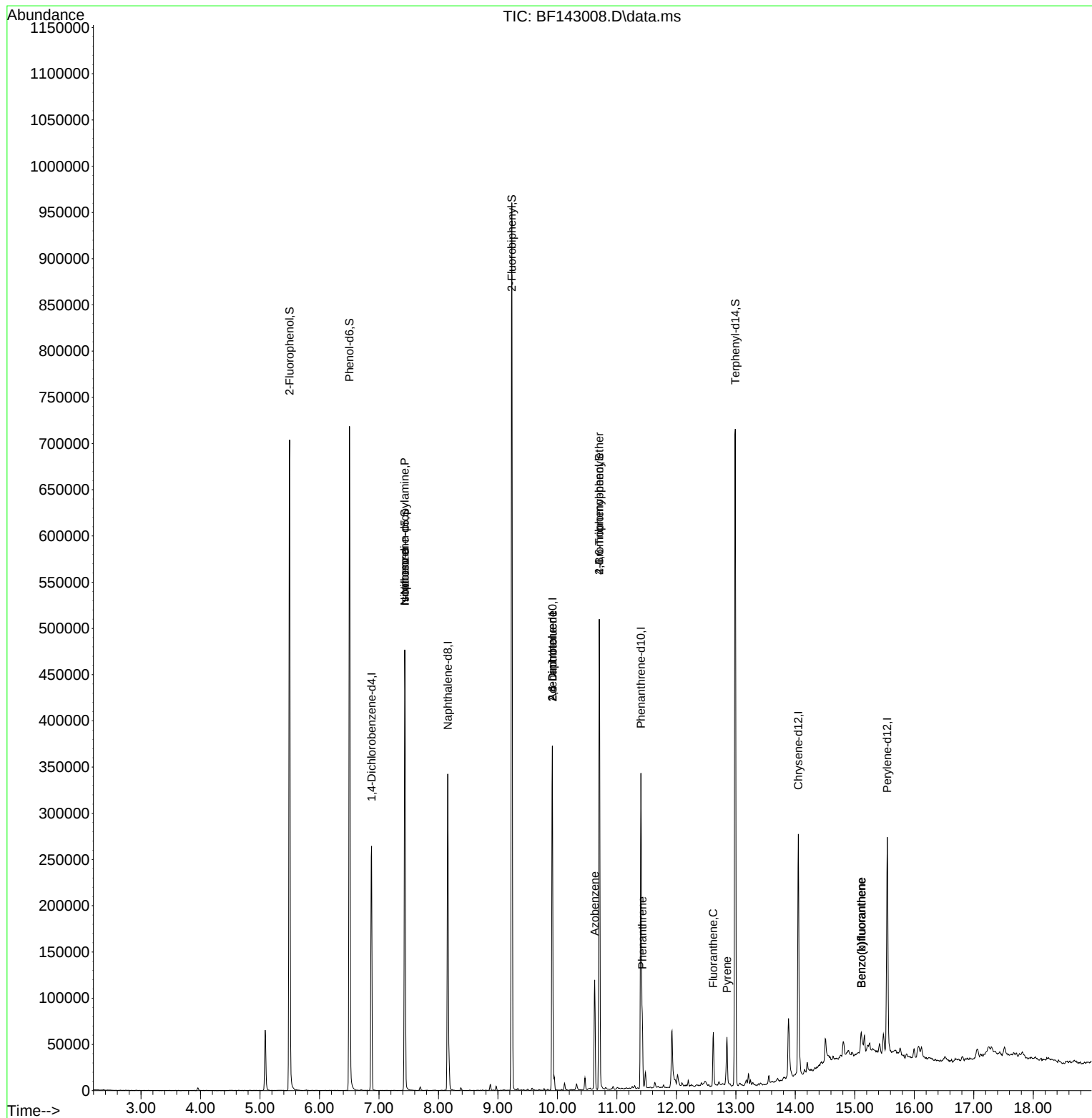
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58747	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219665	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110534	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	175777	20.000	ng	0.00
76) Chrysene-d12	14.051	240	118055	20.000	ng	0.00
86) Perylene-d12	15.545	264	131217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	282533	80.072	ng	0.00
7) Phenol-d6	6.504	99	331615	79.659	ng	0.00
23) Nitrobenzene-d5	7.434	82	204828	51.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	90281	79.370	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	427824	50.846	ng	-0.01
79) Terphenyl-d14	12.992	244	355071	41.557	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	27543	11.376	ng	# 75
25) Isophorone	7.434	82	204826	31.883	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14281	9.089	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14281	6.842	ng	# 26
63) Azobenzene	10.627	77	27470	4.381	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	5651	2.825	ng	# 1
71) Phenanthrene	11.427	178	41976	4.408	ng	100
75) Fluoranthene	12.621	202	33704	3.730	ng	99
78) Pyrene	12.851	202	29348	2.652	ng	96
88) Benzo(b)fluoranthene	15.110	252	17349	2.285	ng	# 95
89) Benzo(k)fluoranthene	15.110	252	17349	2.442	ng	# 94

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

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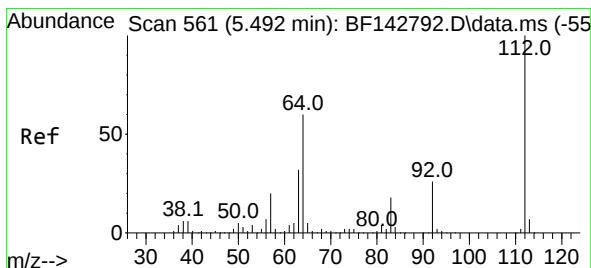
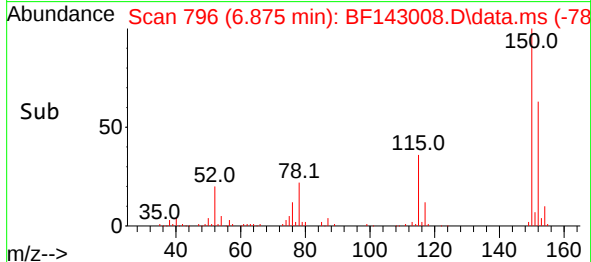
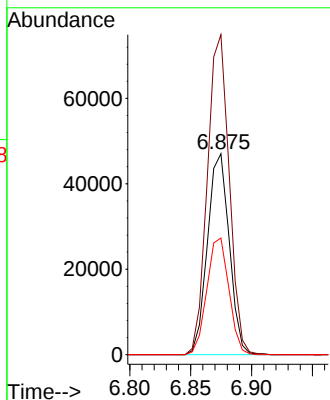
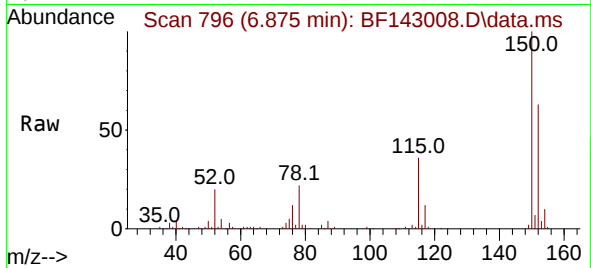




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

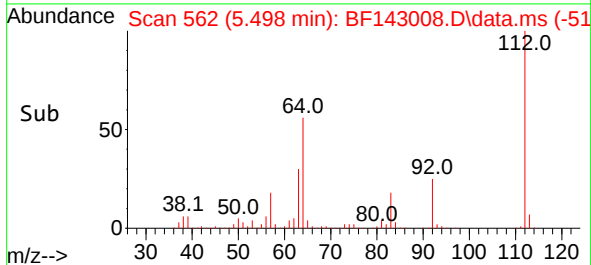
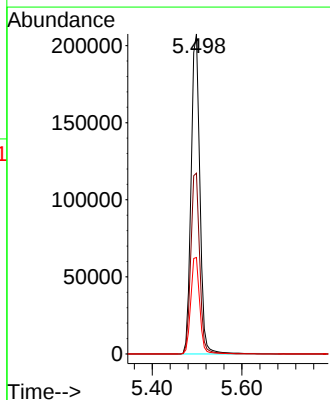
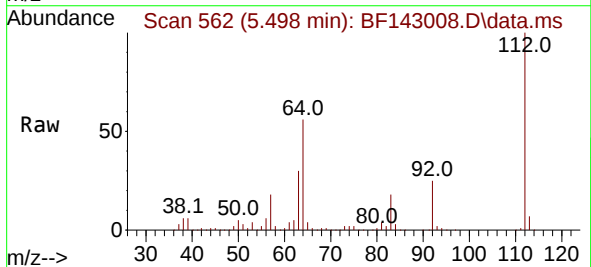
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

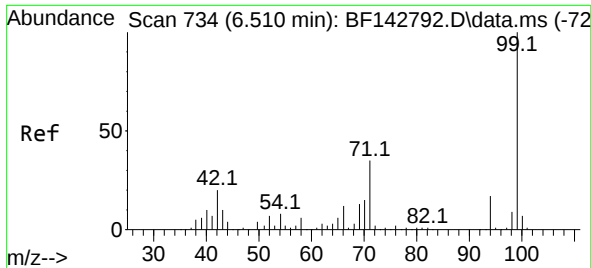
Tgt Ion:152 Resp: 58747
Ion Ratio Lower Upper
152 100
150 159.2 127.2 190.8
115 58.1 46.6 69.8



#5
2-Fluorophenol
Concen: 80.072 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:112 Resp: 282533
Ion Ratio Lower Upper
112 100
64 56.5 48.2 72.2
63 30.1 25.7 38.5

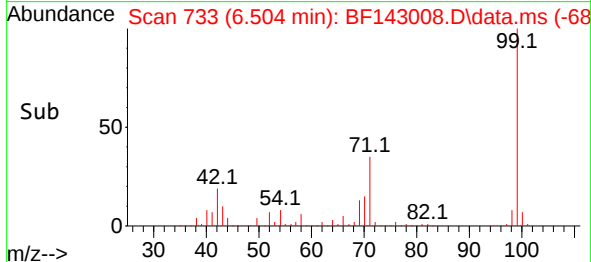
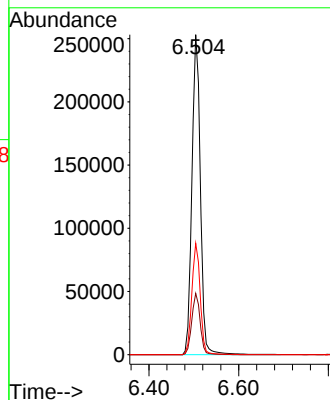
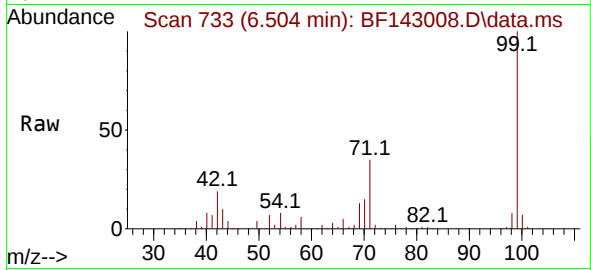




#7
Phenol-d6
Concen: 79.659 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

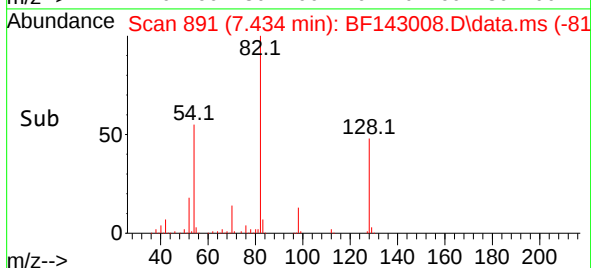
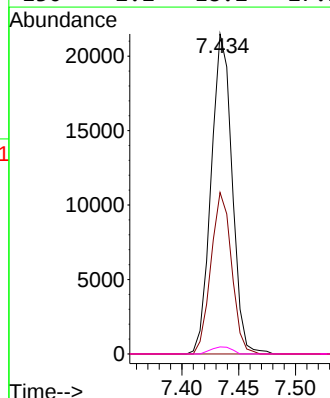
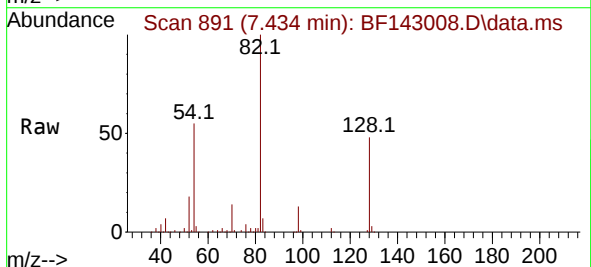
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

Tgt Ion: 99 Resp: 331615
Ion Ratio Lower Upper
99 100
42 19.2 15.9 23.9
71 34.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.376 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion: 70 Resp: 27543
Ion Ratio Lower Upper
70 100
42 50.4 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

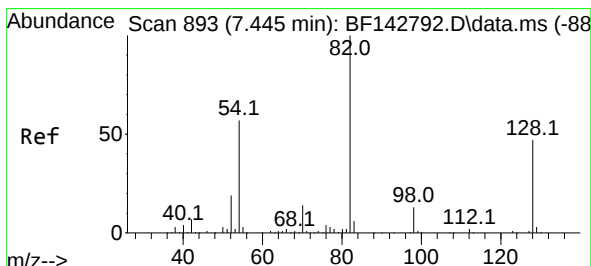
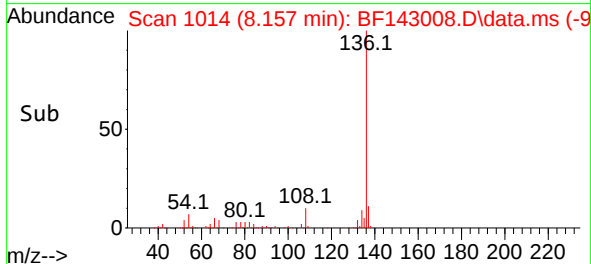
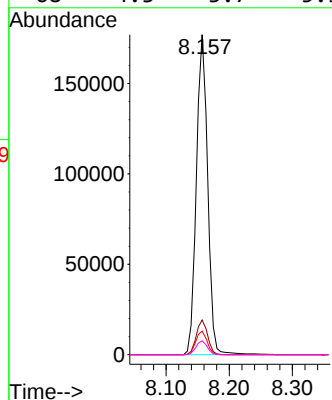
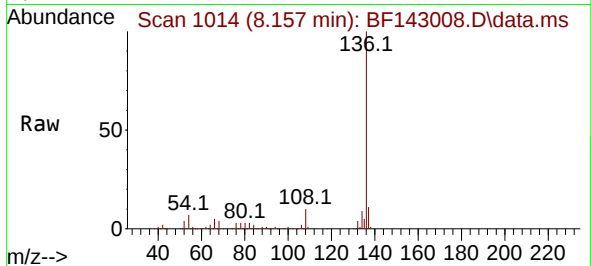




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

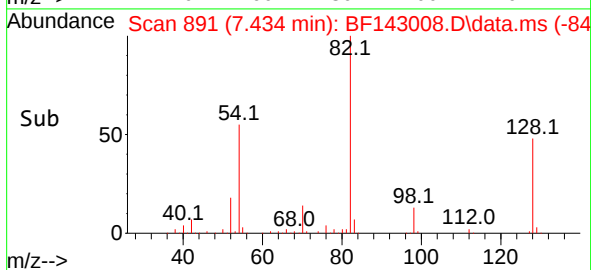
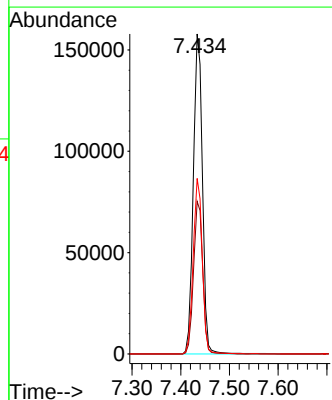
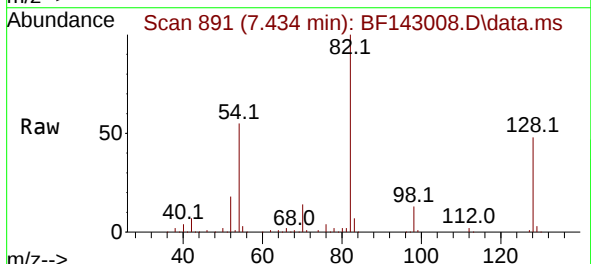
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

Tgt Ion:	136	Resp:	219665
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5



#23
Nitrobenzene-d5
Concen: 51.146 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:	82	Resp:	204828
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	54.9	45.7	68.5

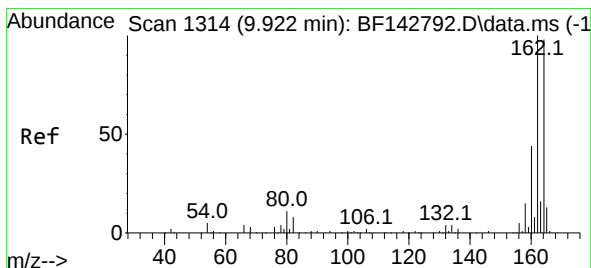
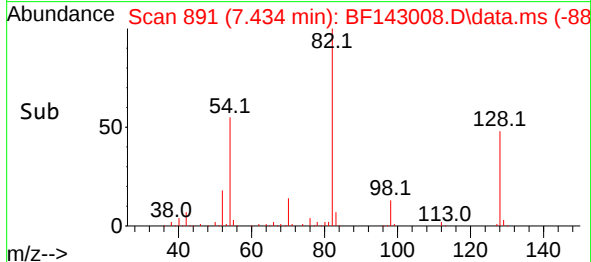
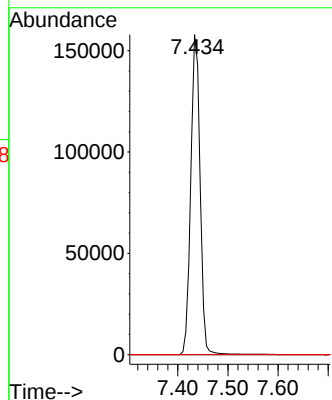
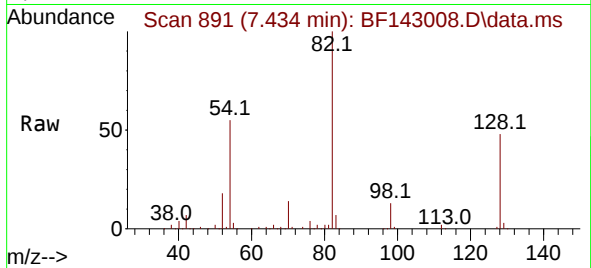




#25
Isophorone
Concen: 31.883 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

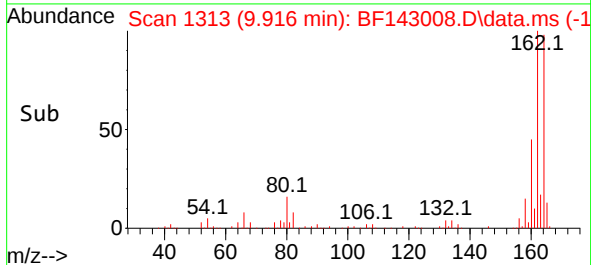
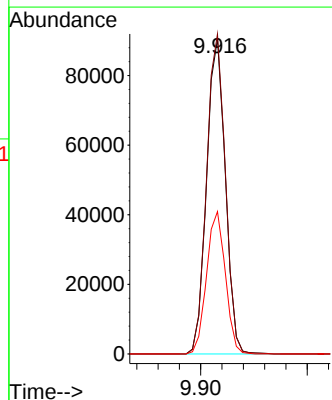
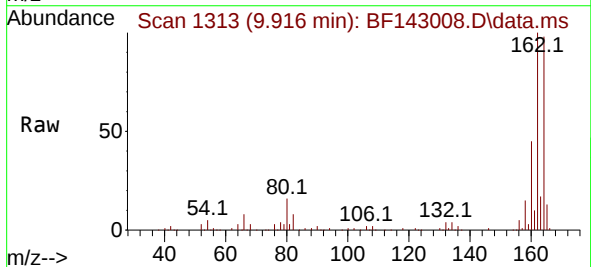
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

Tgt Ion: 82 Resp: 204826
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: BF143008.D
Acq: 07 Jul 2025 14:47

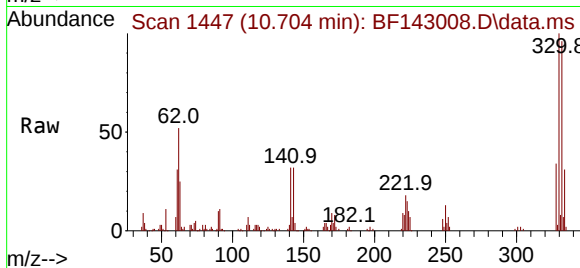
Tgt Ion:164 Resp: 110534
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.8
160 45.2 36.0 54.0



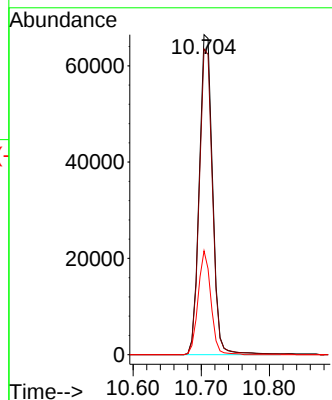
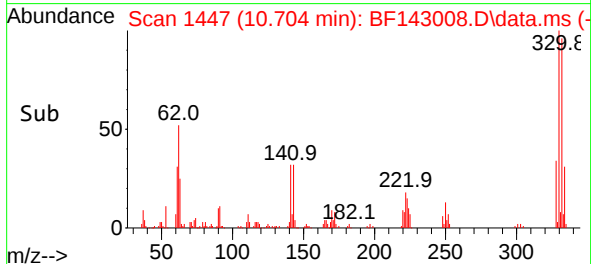


#42
 2,4,6-Tribromophenol
 Concen: 79.370 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47

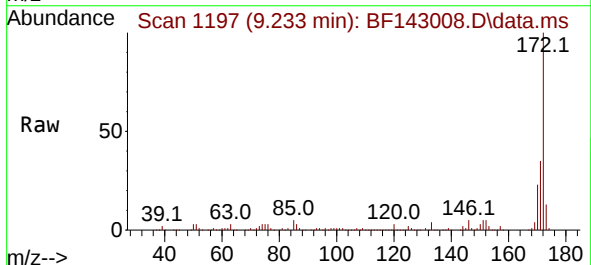
Instrument :
 BNA_F
 ClientSampleId :
 G3(6-12)



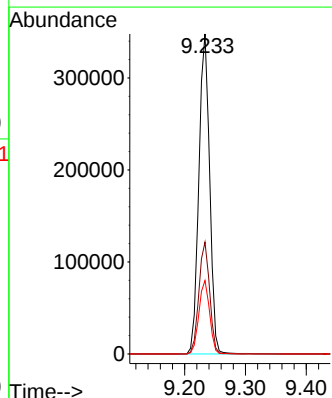
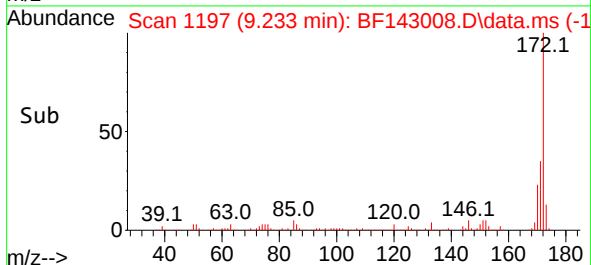
Tgt Ion:330 Resp: 90281
 Ion Ratio Lower Upper
 330 100
 332 95.3 75.0 112.6
 141 30.9 25.3 37.9

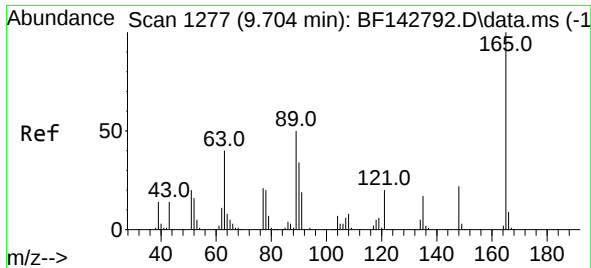


#45
 2-Fluorobiphenyl
 Concen: 50.846 ng
 RT: 9.233 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF143008.D
 Acq: 07 Jul 2025 14:47



Tgt Ion:172 Resp: 427824
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.4
 170 22.9 18.5 27.7

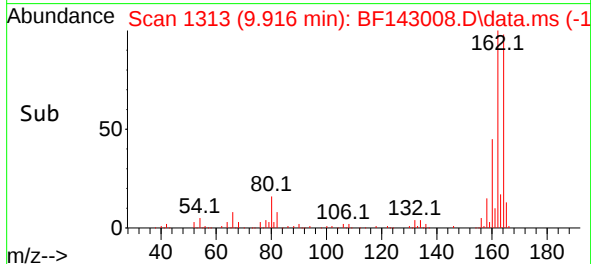
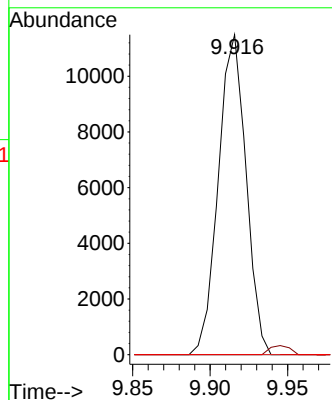
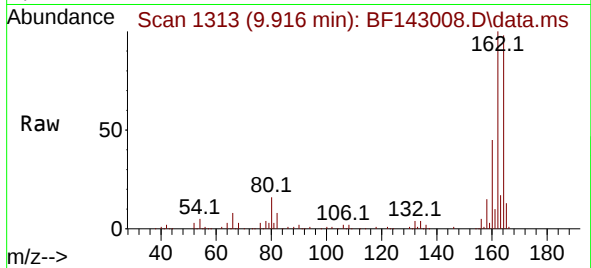




#51
2,6-Dinitrotoluene
Concen: 9.089 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

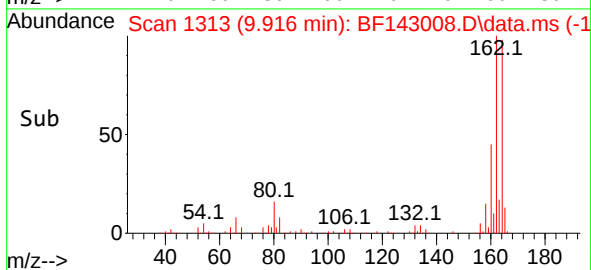
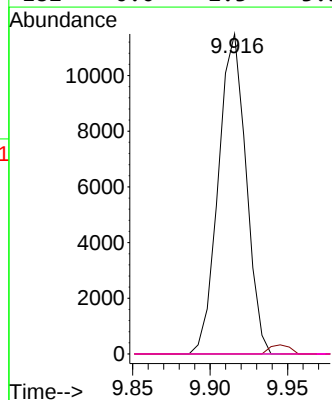
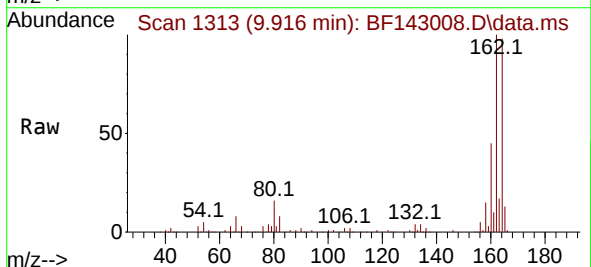
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BNA_F
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G3(6-12)

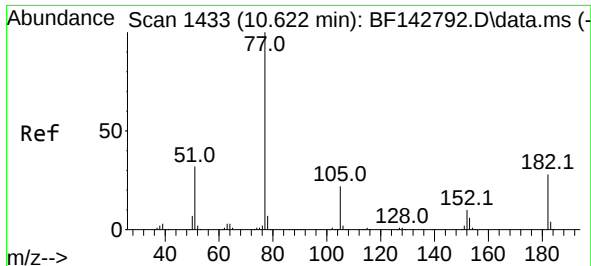
Tgt Ion:165 Resp: 14281
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.842 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:165 Resp: 14281
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#

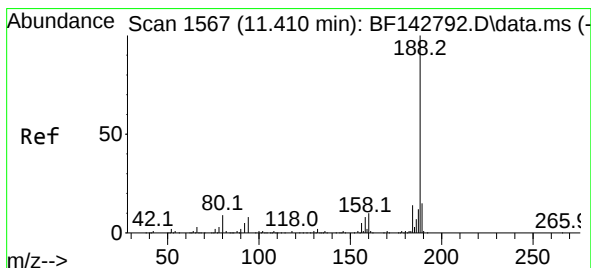
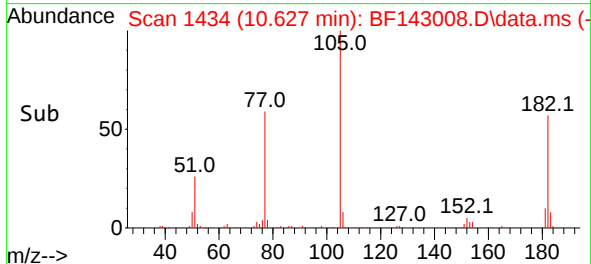
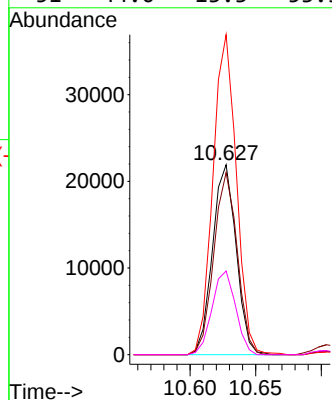
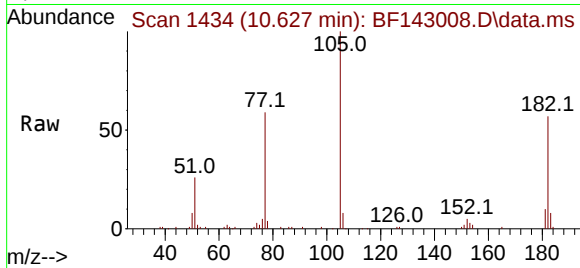




#63
Azobenzene
Concen: 4.381 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

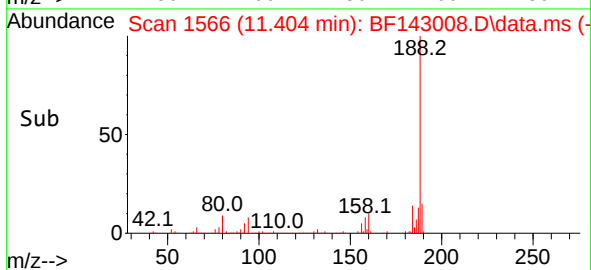
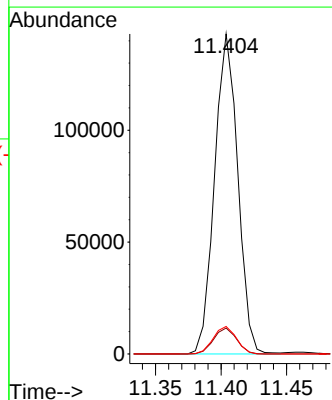
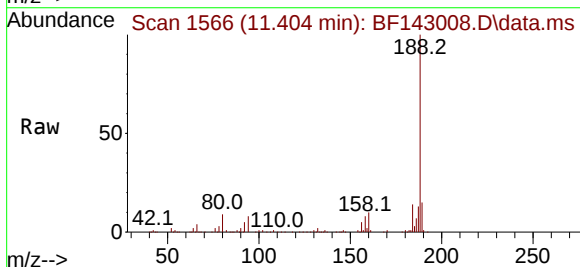
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

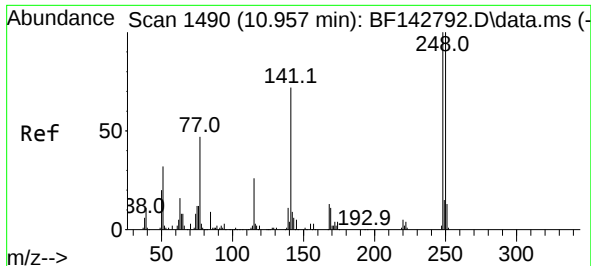
Tgt Ion: 77 Resp: 27470
Ion Ratio Lower Upper
77 100
182 95.9 7.7 47.7#
105 168.4 1.9 41.9#
51 44.0 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion: 188 Resp: 175777
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.6 6.9 10.3

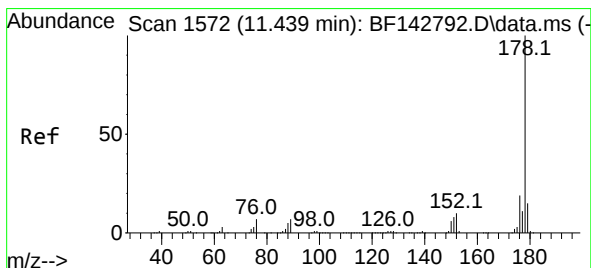
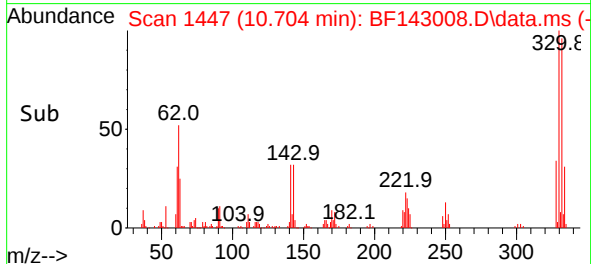
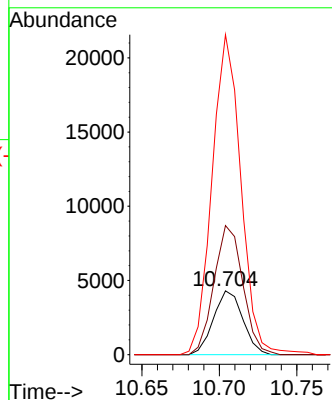
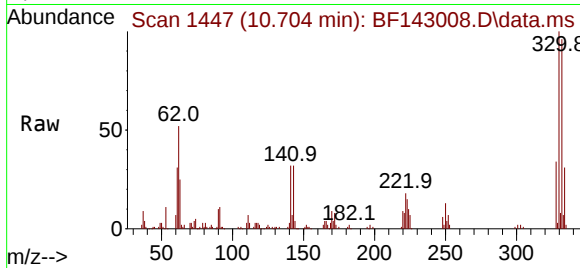




#67
4-Bromophenyl-phenylether
Concen: 2.825 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

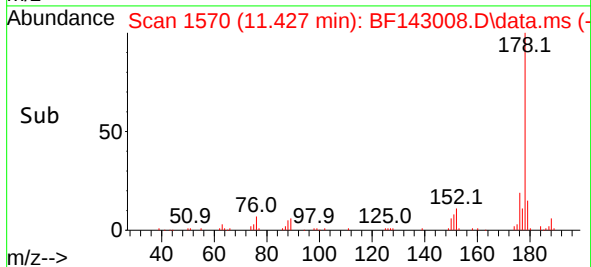
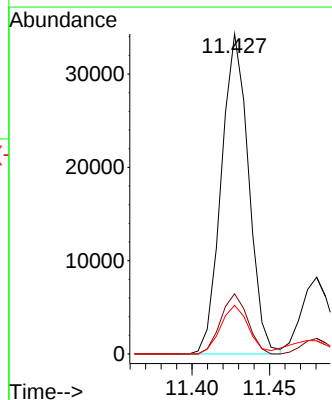
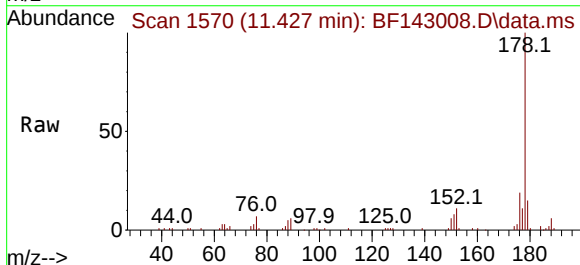
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

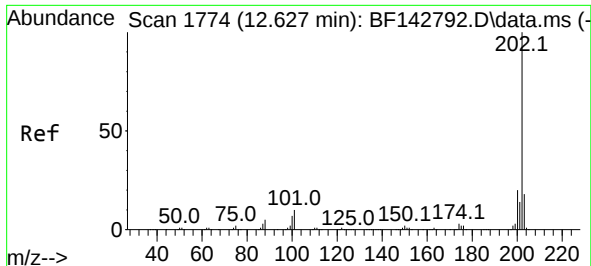
Tgt Ion:248 Resp: 5651
Ion Ratio Lower Upper
248 100
250 202.3 79.8 119.8#
141 501.5 57.8 86.6#



#71
Phenanthrene
Concen: 4.408 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:178 Resp: 41976
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.2 12.0 18.0

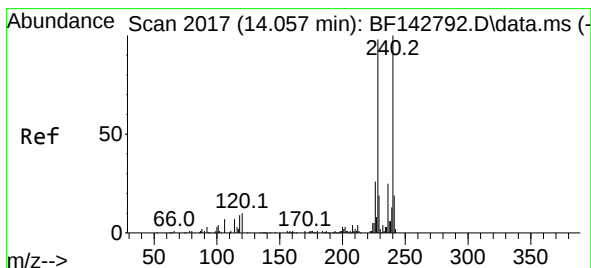
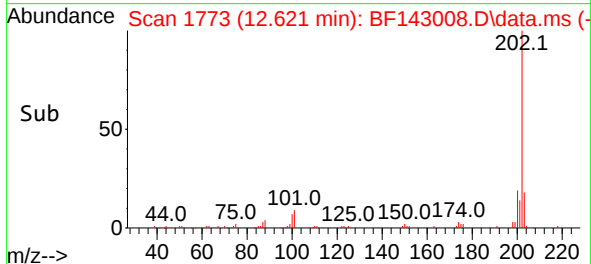
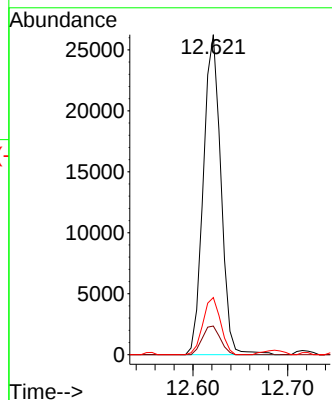
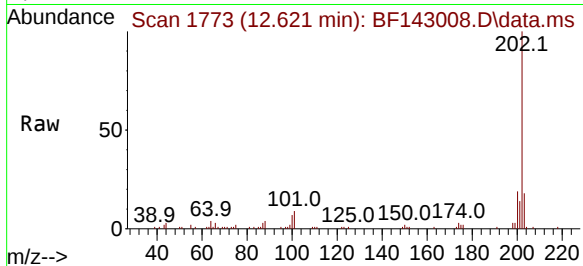




#75
Fluoranthene
Concen: 3.730 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

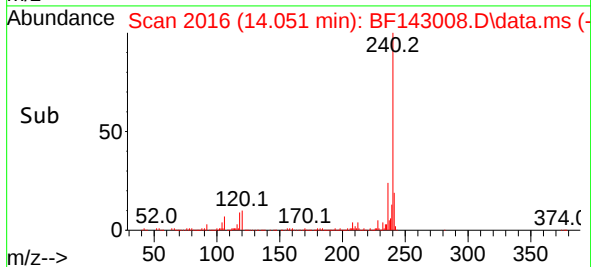
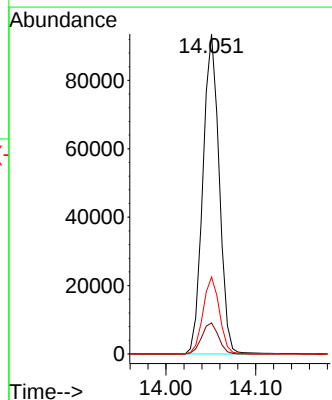
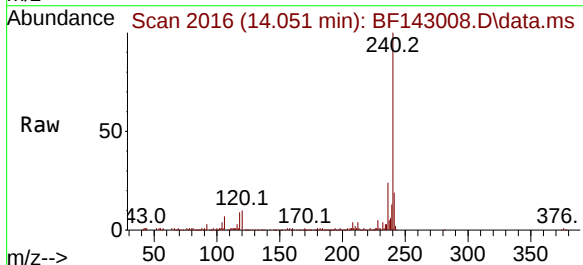
Instrument :
BNA_F
ClientSampleId :
G3(6-12)

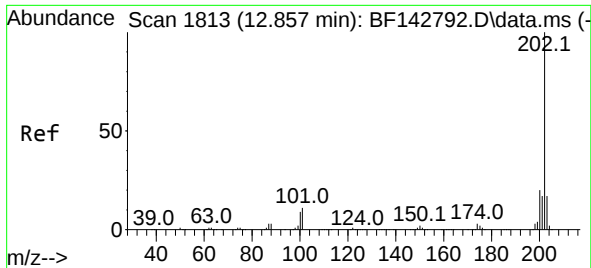
Tgt Ion:202 Resp: 33704
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

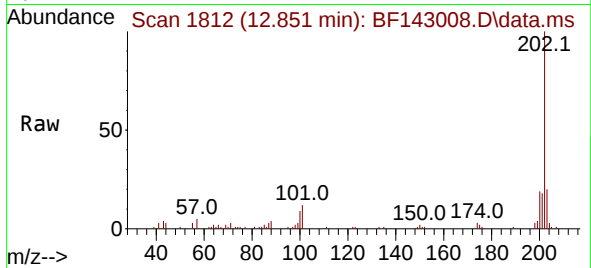
Tgt Ion:240 Resp: 118055
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 24.0 19.8 29.8



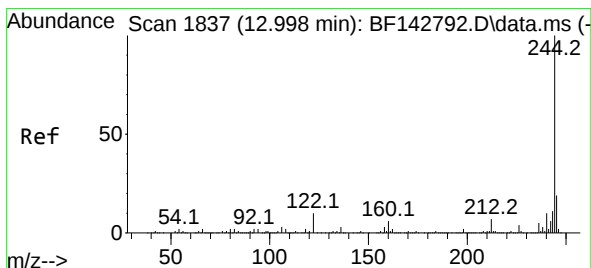
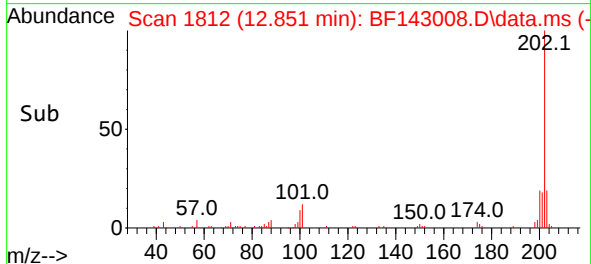
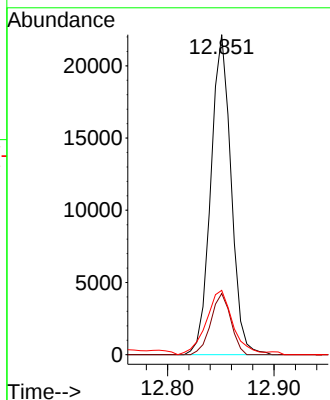


#78
Pyrene
Concen: 2.652 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Instrument :
BNA_F
ClientSampleId :
G3(6-12)

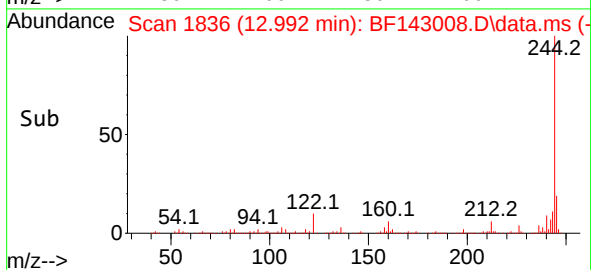
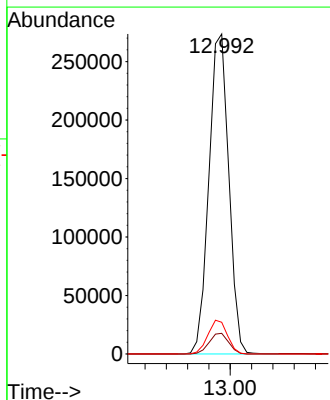
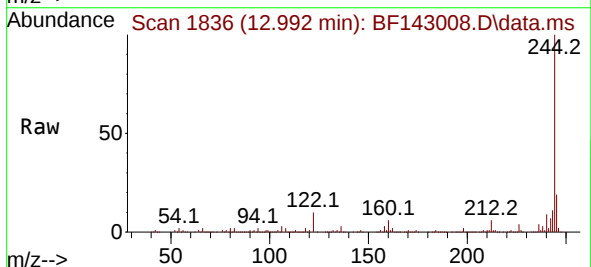


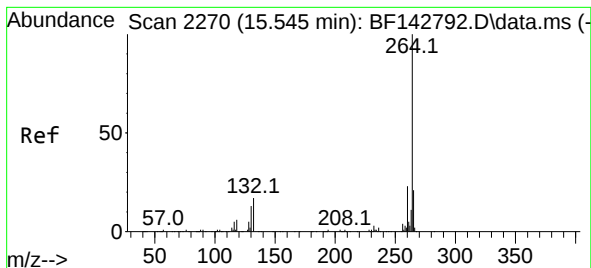
Tgt Ion:202 Resp: 29348
Ion Ratio Lower Upper
202 100
200 19.1 15.7 23.5
203 20.1 13.8 20.6



#79
Terphenyl-d14
Concen: 41.557 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143008.D
Acq: 07 Jul 2025 14:47

Tgt Ion:244 Resp: 355071
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.9 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143008.D

Acq: 07 Jul 2025 14:47

Instrument :

BNA_F

ClientSampleId :

G3(6-12)

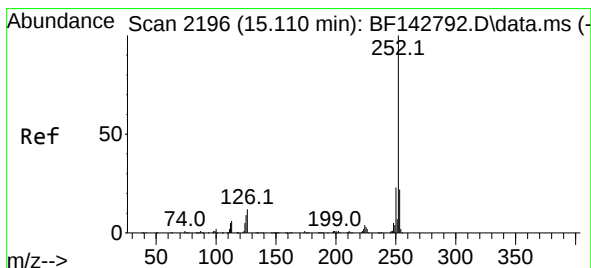
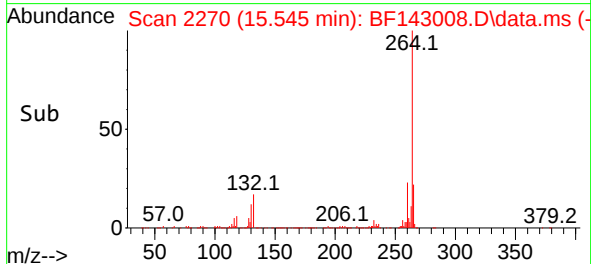
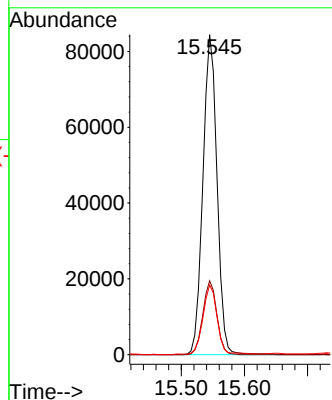
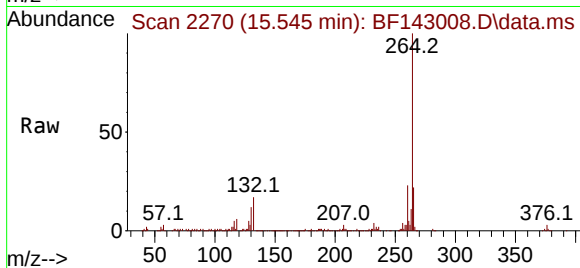
Tgt Ion:264 Resp: 131217

Ion Ratio Lower Upper

264 100

260 23.1 18.1 27.1

265 21.8 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.285 ng

RT: 15.110 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF143008.D

Acq: 07 Jul 2025 14:47

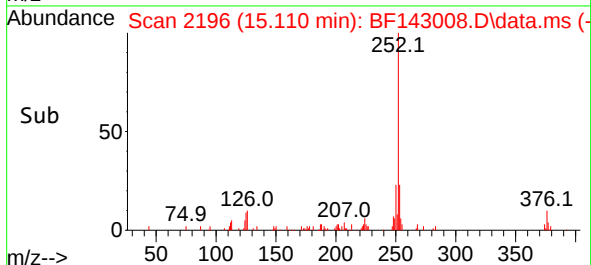
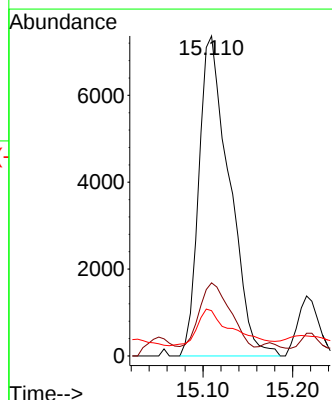
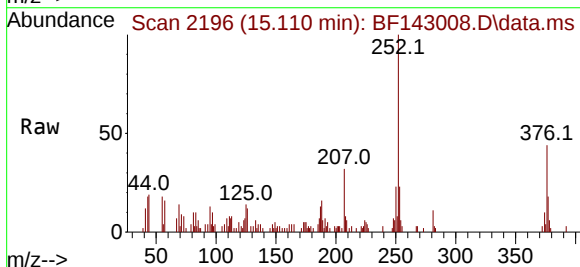
Tgt Ion:252 Resp: 17349

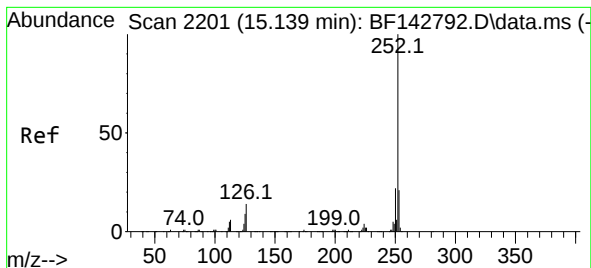
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 14.1 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.442 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF143008.D

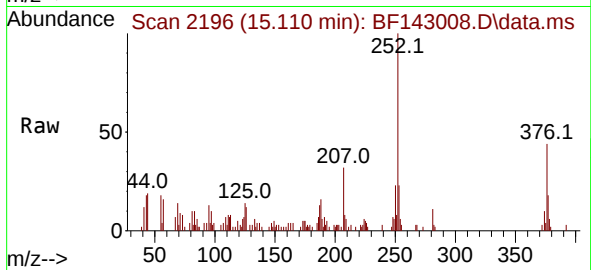
Acq: 07 Jul 2025 14:47

Instrument :

BNA_F

ClientSampleId :

G3(6-12)



Tgt Ion:252 Resp: 17349

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 14.1 7.4 11.2#

