

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042624\
 Data File : BF137739.D
 Acq On : 26 Apr 2024 17:21
 Operator : CG\JU
 Sample : P2271-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3860

Quant Time: Apr 26 18:00:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

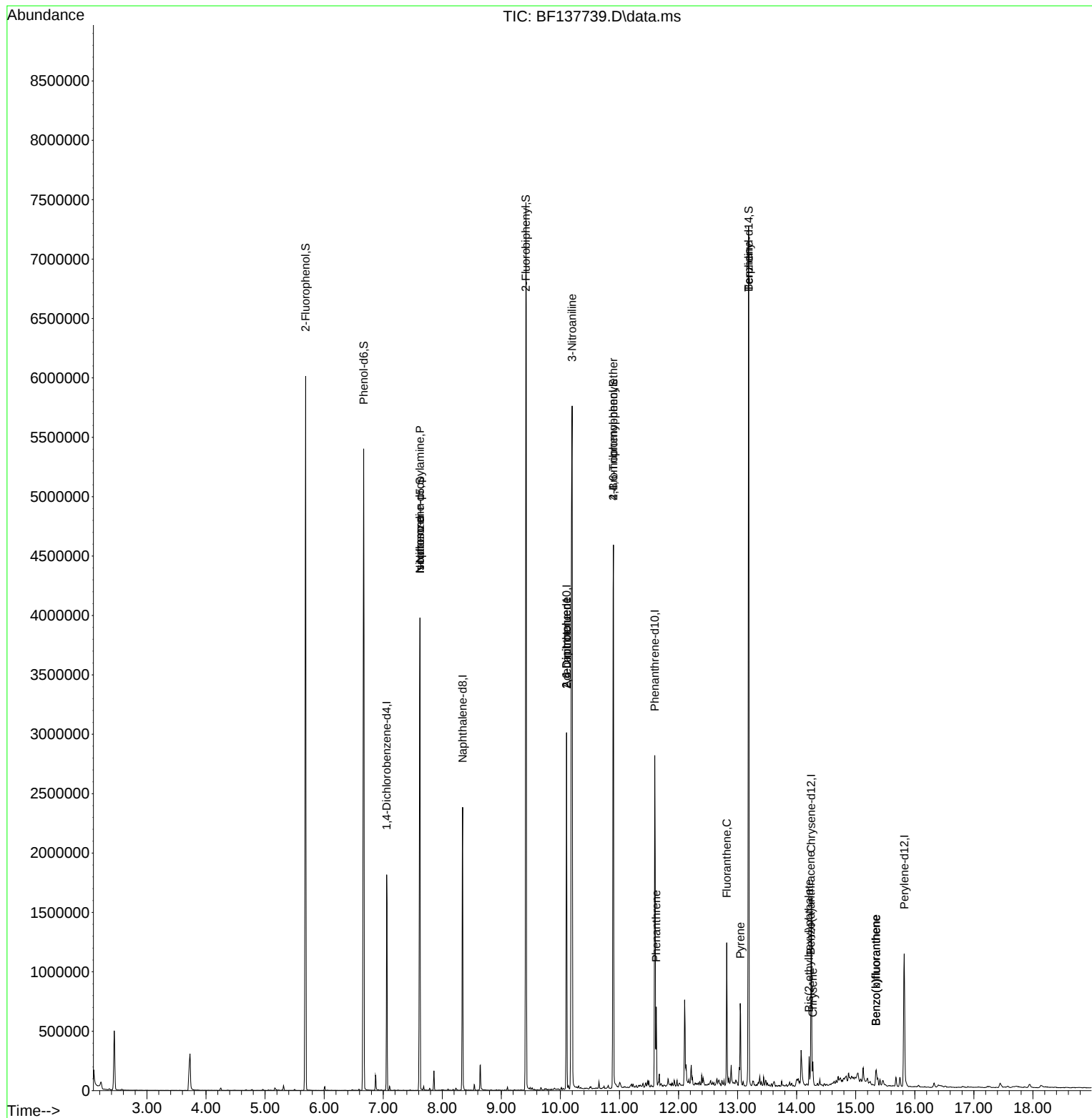
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	261062	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1003773	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	558849	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	943497	20.000	ng	0.00
76) Chrysene-d12	14.245	240	487546	20.000	ng	-0.01
86) Perylene-d12	15.821	264	535412	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1680491	97.782	ng	0.00
7) Phenol-d6	6.669	99	2128201	97.515	ng	0.00
23) Nitrobenzene-d5	7.622	82	1275104	67.432	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	591801	104.944	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	2455184	65.645	ng	-0.01
79) Terphenyl-d14	13.186	244	2523216	83.300	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.622	70	170530	12.084	ng	# 76
25) Isophorone	7.622	82	1272167	36.224	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	73074	8.907	ng	# 22
53) 3-Nitroaniline	10.198	138	56872	6.169	ng	# 5
57) 2,4-Dinitrotoluene	10.104	165	73286	7.086	ng	# 24
67) 4-Bromophenyl-phenylether	10.898	248	40172	3.674	ng	# 1
71) Phenanthrene	11.622	178	209981	4.204	ng	97
75) Fluoranthene	12.816	202	391759	7.463	ng	99
77) Benzidine	13.186	184	31014	2.724	ng	# 92
78) Pyrene	13.045	202	271995	6.797	ng	99
81) Benzo(a)anthracene	14.239	228	70509	2.073	ng	99
83) Chrysene	14.274	228	78245	2.463	ng	97
84) Bis(2-ethylhexyl)phtha...	14.210	149	61924	2.889	ng	96
88) Benzo(b)fluoranthene	15.345	252	109533	3.197	ng	99
89) Benzo(k)fluoranthene	15.345	252	109533	3.252	ng	99

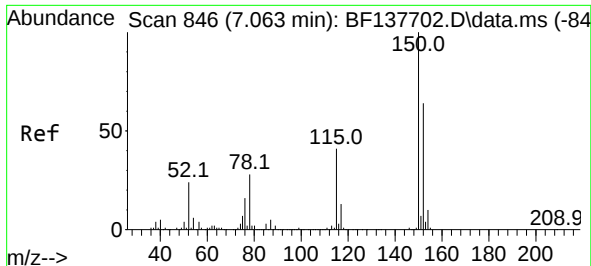
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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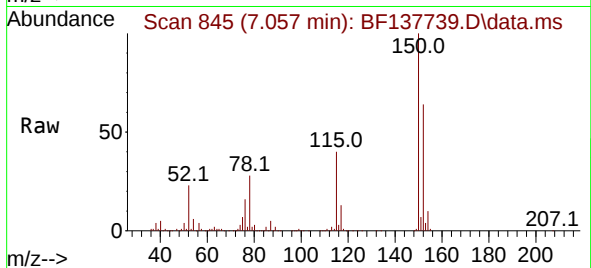
Quant Time: Apr 26 18:00:33 2024
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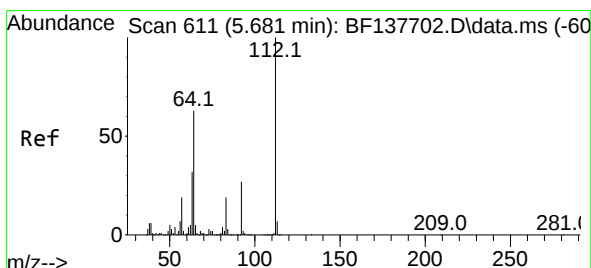
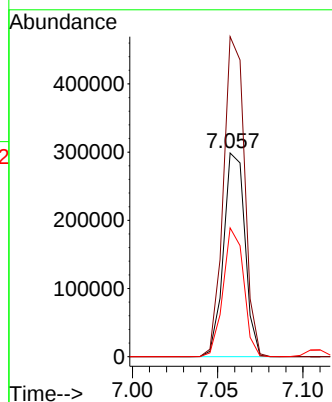
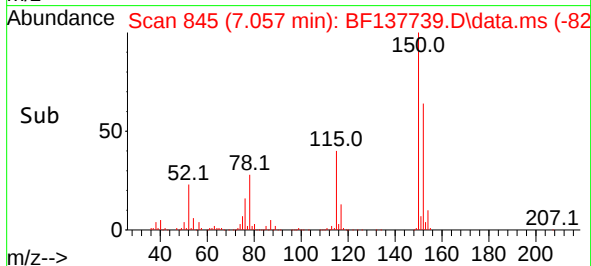


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

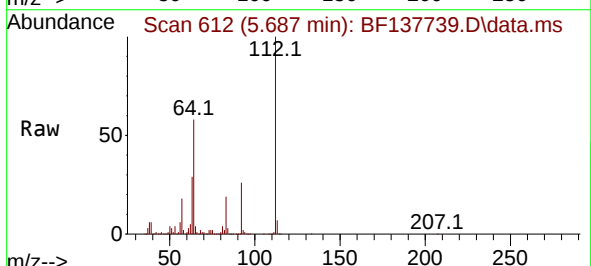
Instrument :
BNA_F
ClientSampleId :
RT-3860



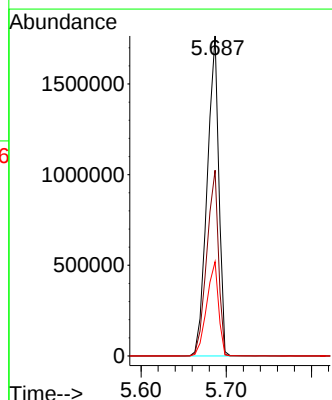
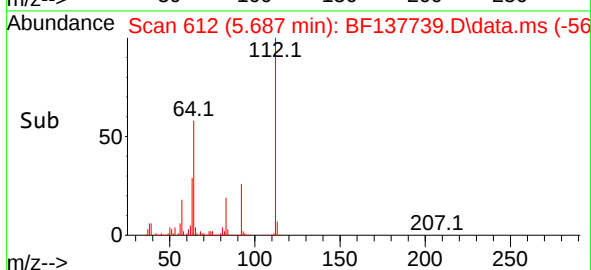
Tgt Ion:152 Resp: 261062
Ion Ratio Lower Upper
152 100
150 157.1 124.2 186.4
115 63.3 50.8 76.2

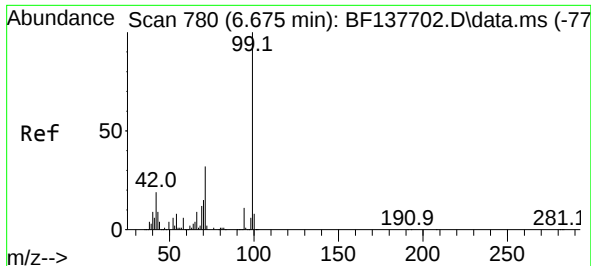


#5
2-Fluorophenol
Concen: 97.782 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21



Tgt Ion:112 Resp: 1680491
Ion Ratio Lower Upper
112 100
64 58.1 50.1 75.1
63 29.4 25.2 37.8



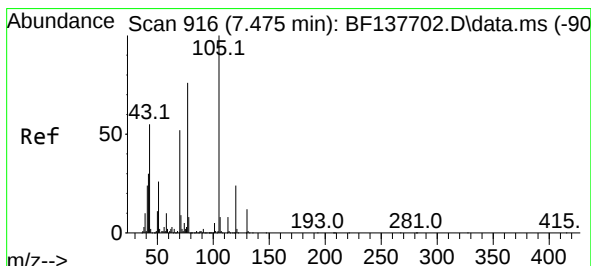
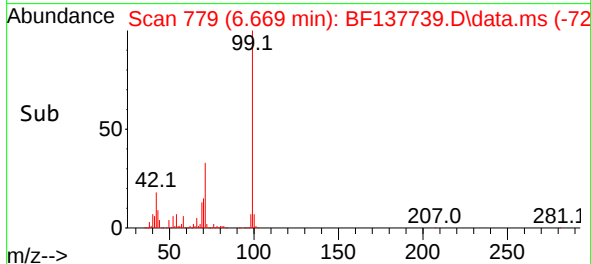
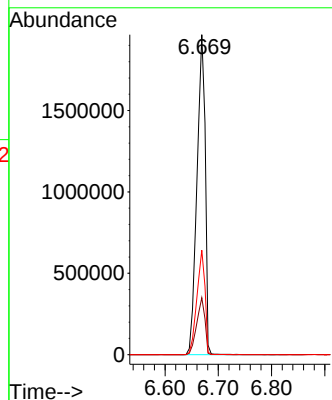
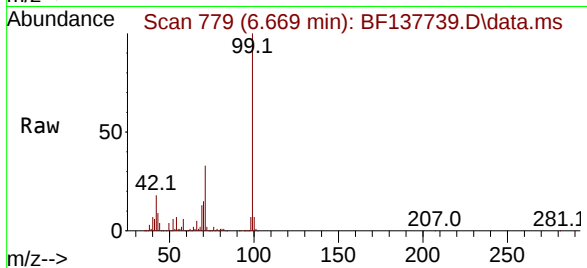


#7
Phenol-d6
Concen: 97.515 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Instrument :
BNA_F
ClientSampleId :
RT-3860

Tgt Ion: 99 Resp: 2128201

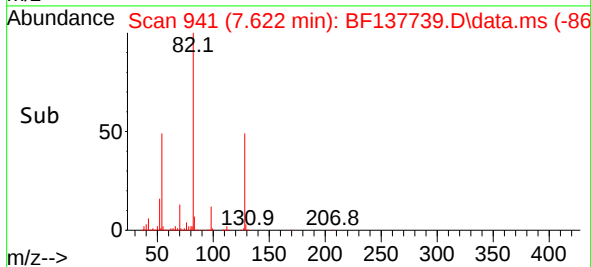
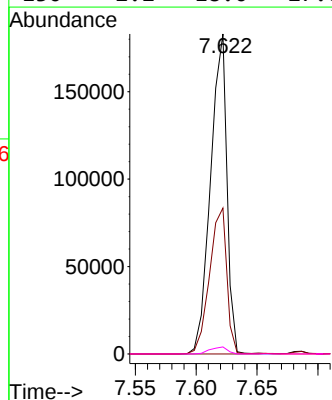
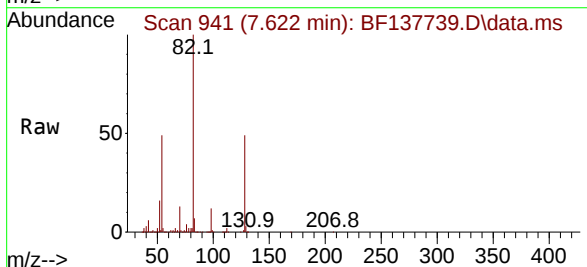
Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.0	22.4
71	32.7	25.7	38.5

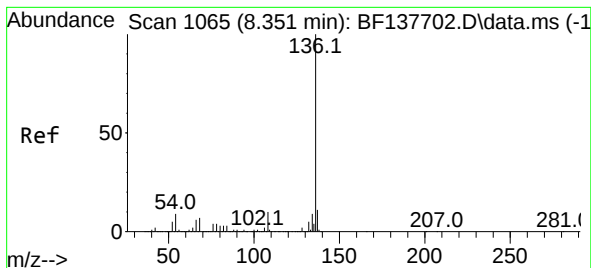


#19
n-Nitroso-di-n-propylamine
Concen: 12.084 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion: 70 Resp: 170530

Ion	Ratio	Lower	Upper
70	100		
42	45.6	45.9	68.9#
101	0.0	8.0	12.0#
130	2.2	18.0	27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.345 min Scan# 1064

Delta R.T. -0.006 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

Tgt Ion:136 Resp: 1003773

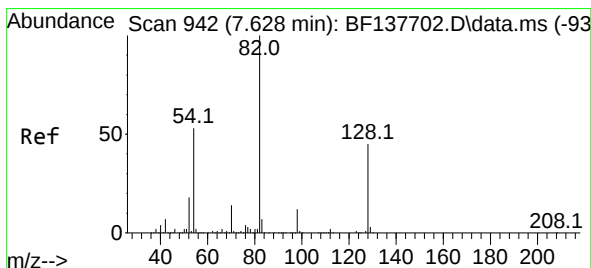
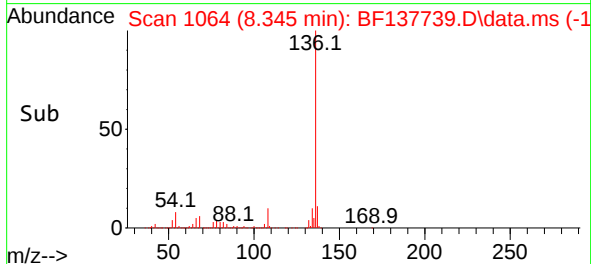
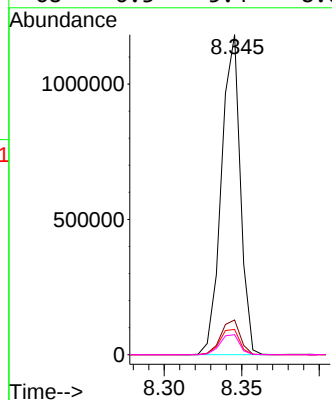
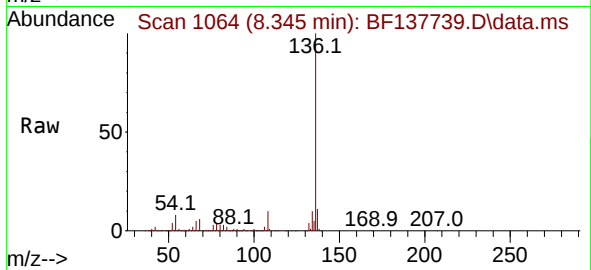
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.9 6.9 10.3

68 6.3 5.4 8.0



#23

Nitrobenzene-d5

Concen: 67.432 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

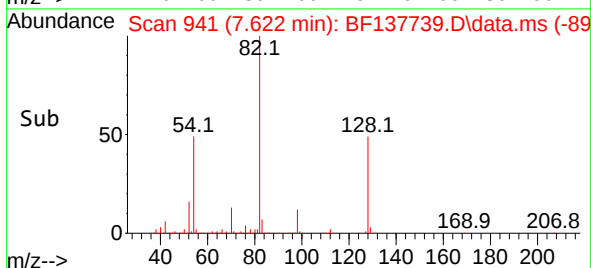
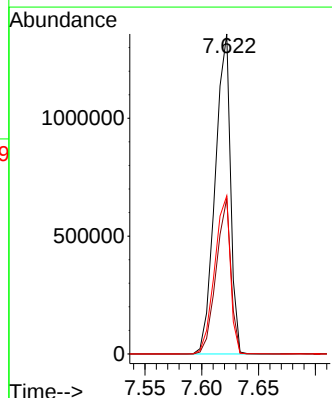
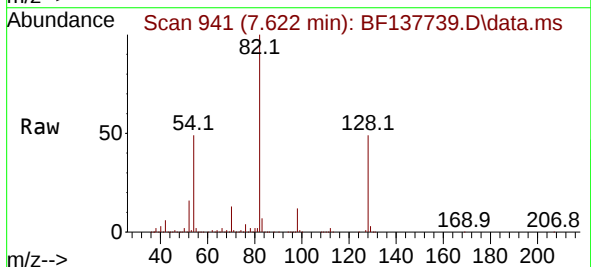
Tgt Ion: 82 Resp: 1275104

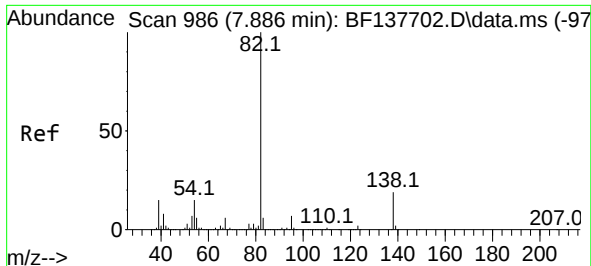
Ion Ratio Lower Upper

82 100

128 48.6 35.8 53.6

54 49.4 42.5 63.7

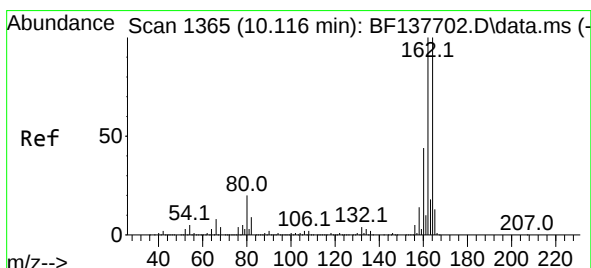
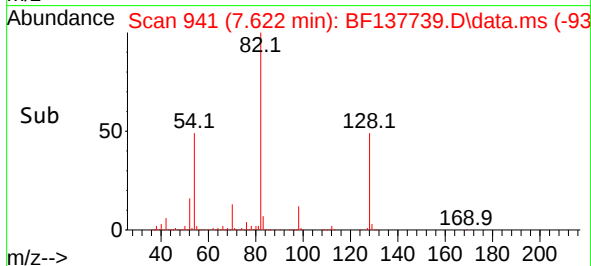
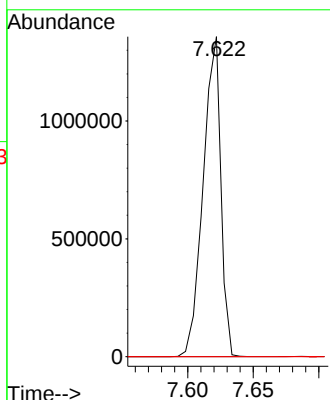
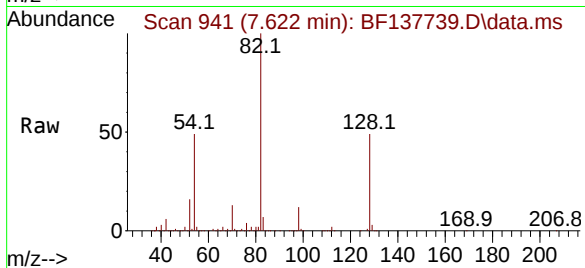




#25
Isophorone
Concen: 36.224 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.265 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

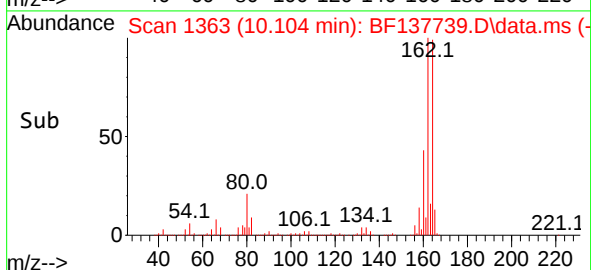
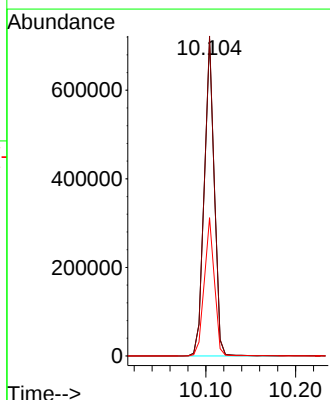
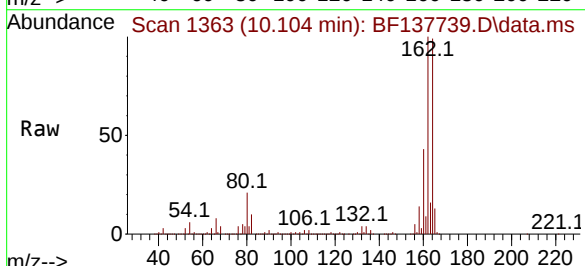
Instrument :
BNA_F
ClientSampleId :
RT-3860

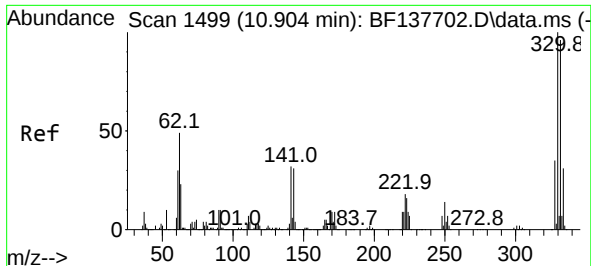
Tgt Ion: 82 Resp: 1272167
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion:164 Resp: 558849
Ion Ratio Lower Upper
164 100
162 101.0 80.3 120.5
160 43.6 35.0 52.4





#42

2,4,6-Tribromophenol

Concen: 104.944 ng

RT: 10.898 min Scan# 1499

Delta R.T. -0.006 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

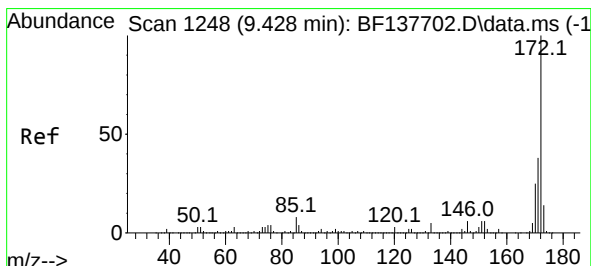
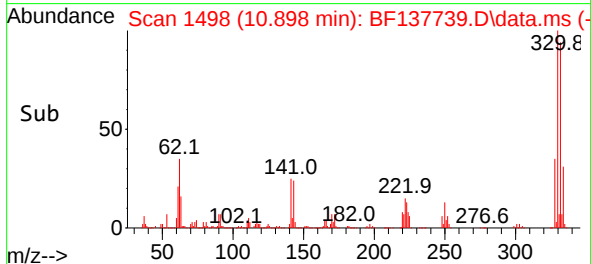
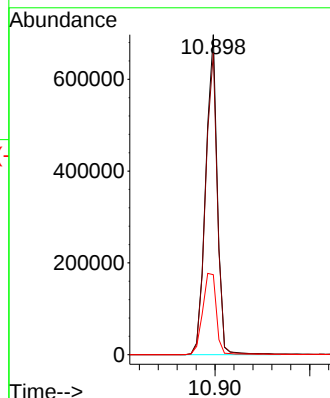
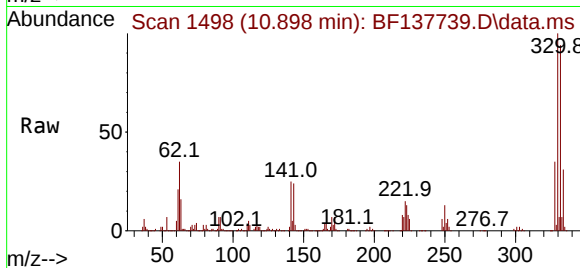
Tgt Ion:330 Resp: 591801

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 30.2 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 65.645 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

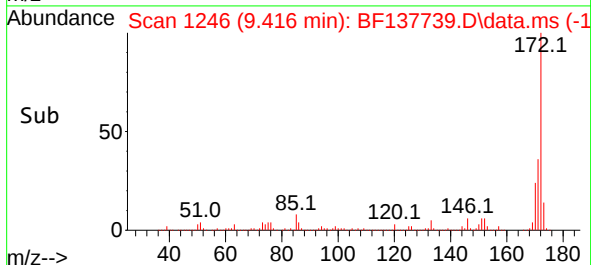
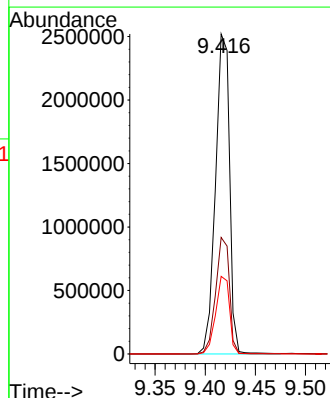
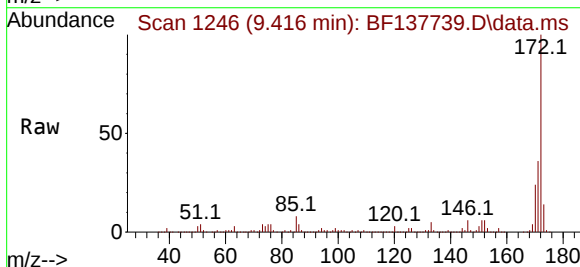
Tgt Ion:172 Resp: 2455184

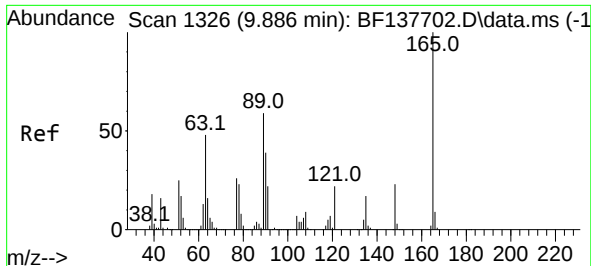
Ion Ratio Lower Upper

172 100

171 36.4 30.2 45.4

170 24.3 20.2 30.4

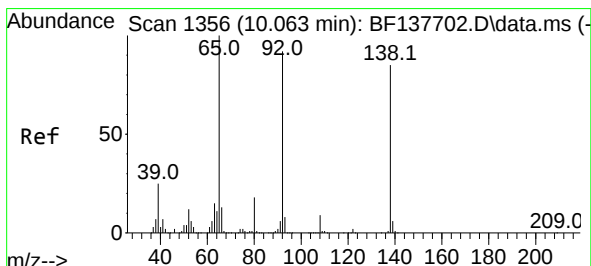
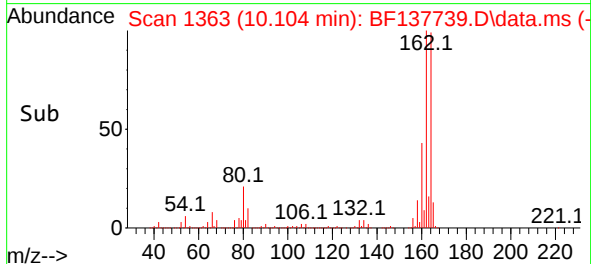
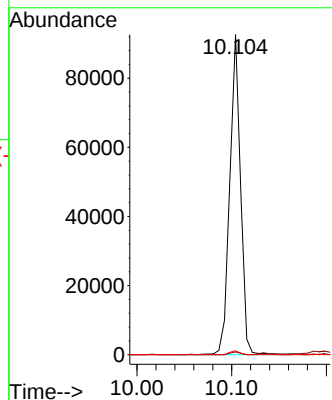
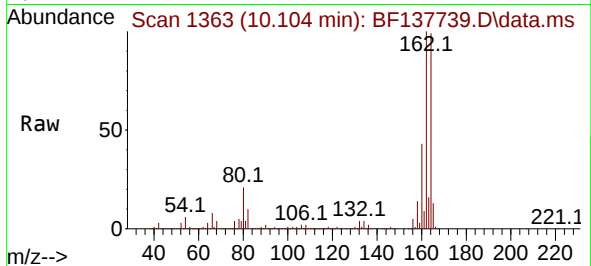




#51
2,6-Dinitrotoluene
Concen: 8.907 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

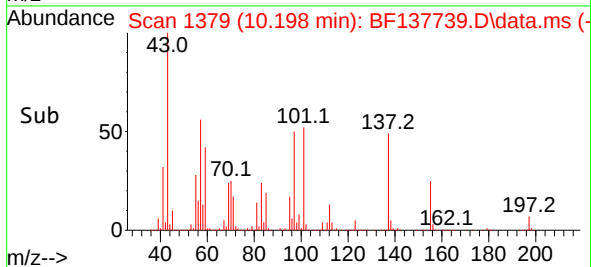
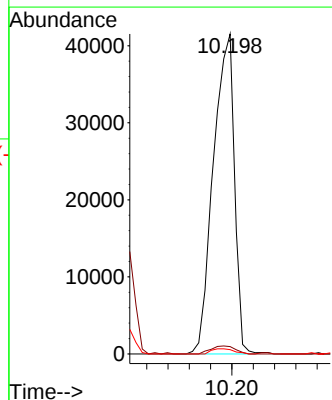
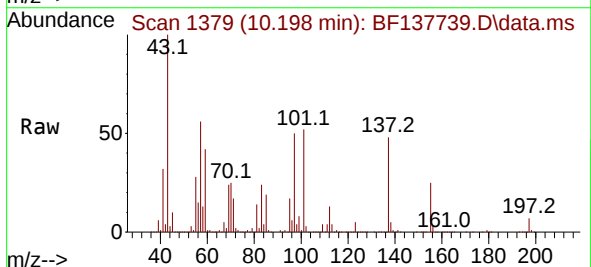
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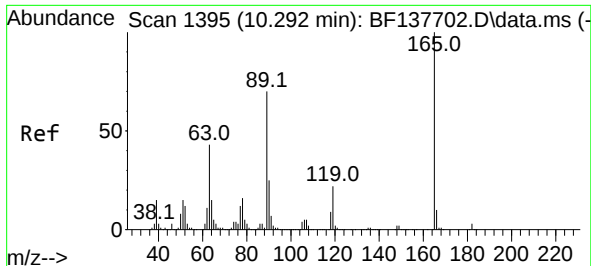
Tgt Ion:165 Resp: 73074
Ion Ratio Lower Upper
165 100
63 0.8 47.7 71.5#
89 1.2 47.3 70.9#



#53
3-Nitroaniline
Concen: 6.169 ng
RT: 10.198 min Scan# 1379
Delta R.T. 0.135 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion:138 Resp: 56872
Ion Ratio Lower Upper
138 100
108 2.3 8.3 12.5#
92 1.4 86.9 130.3#

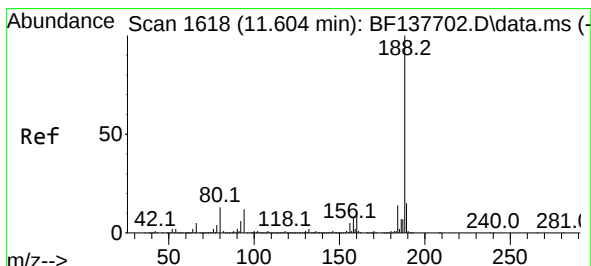
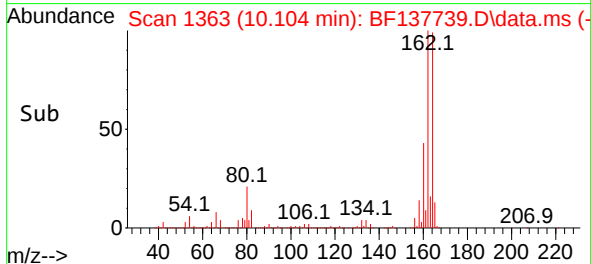
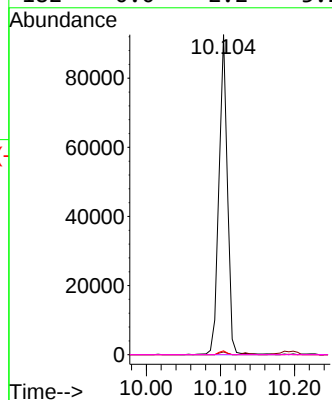
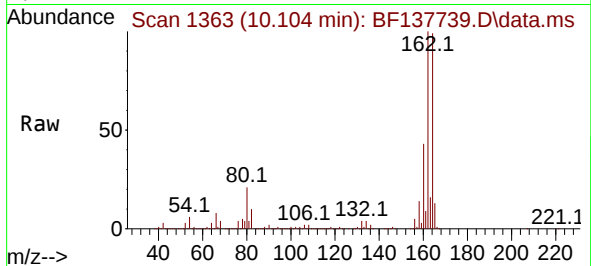




#57
2,4-Dinitrotoluene
Concen: 7.086 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

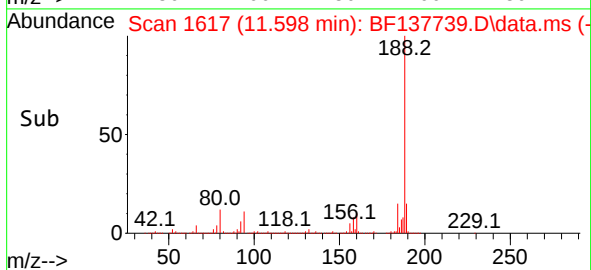
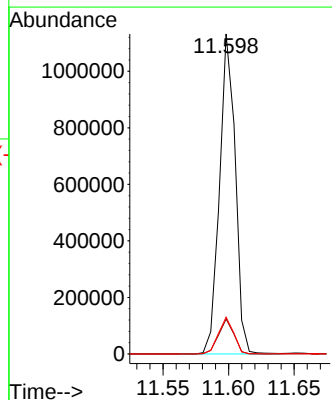
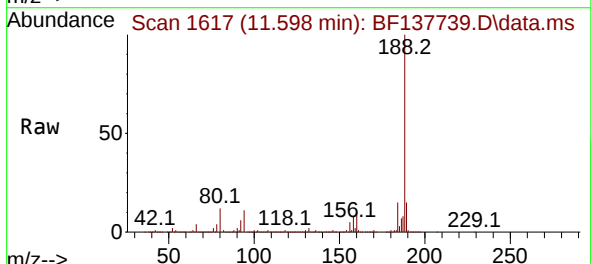
Instrument :
BNA_F
ClientSampleId :
RT-3860

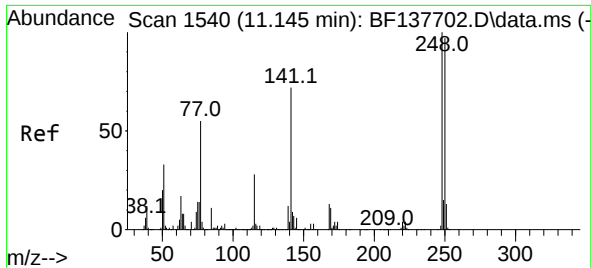
Tgt Ion:165 Resp: 73286
Ion Ratio Lower Upper
165 100
63 0.8 34.1 51.1#
89 1.2 56.4 84.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion:188 Resp: 943497
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.5 10.2 15.4

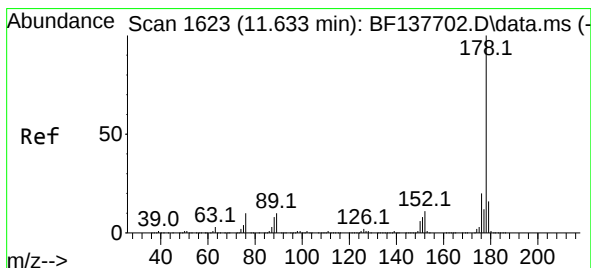
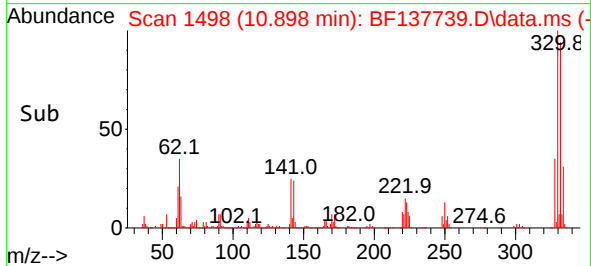
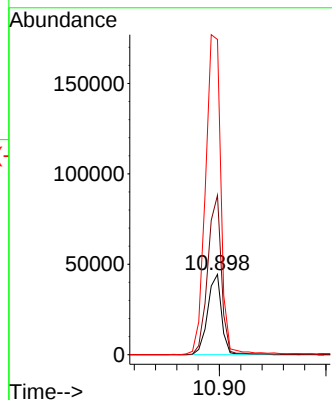
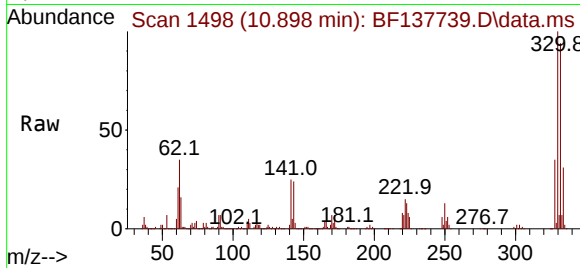




#67
4-Bromophenyl-phenylether
Concen: 3.674 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.247 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

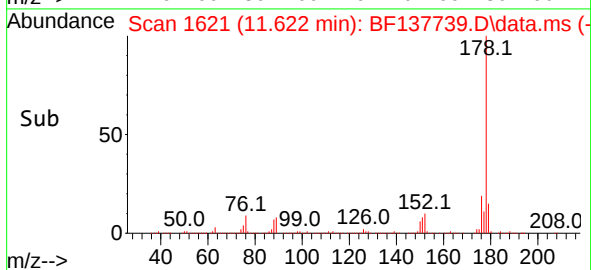
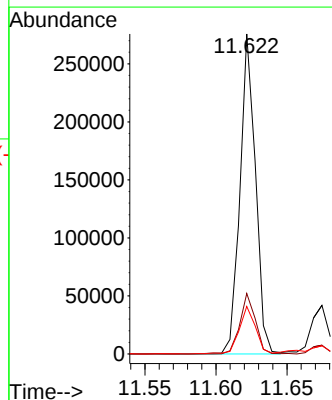
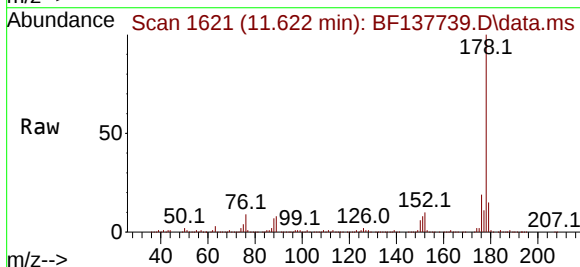
Instrument :
BNA_F
ClientSampleId :
RT-3860

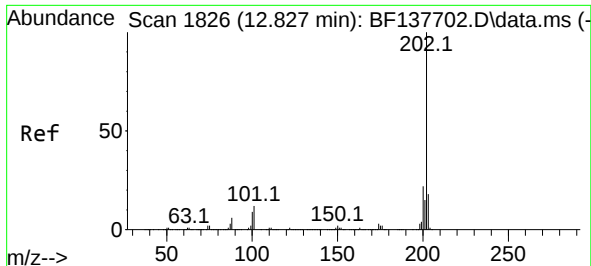
Tgt Ion:248 Resp: 40172
Ion Ratio Lower Upper
248 100
250 198.4 77.4 116.0#
141 392.6 57.9 86.9#



#71
Phenanthrene
Concen: 4.204 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion:178 Resp: 209981
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 14.9 12.8 19.2

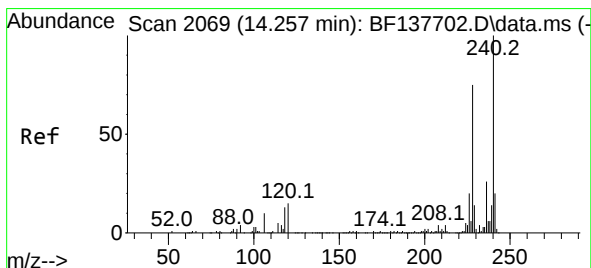
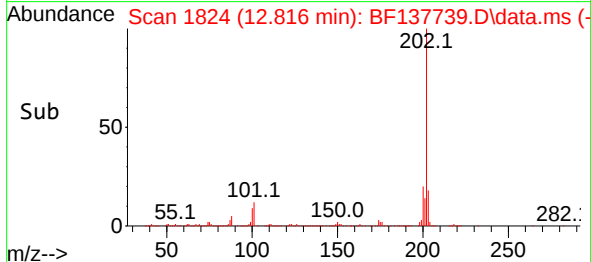
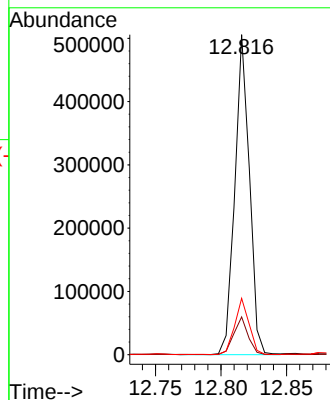
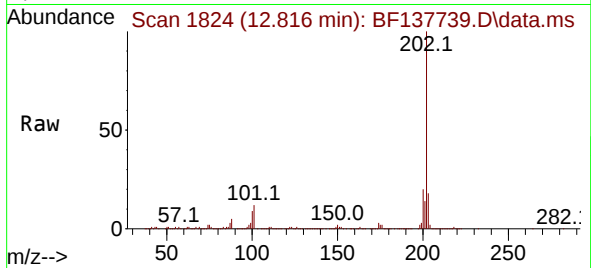




#75
Fluoranthene
Concen: 7.463 ng
RT: 12.816 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

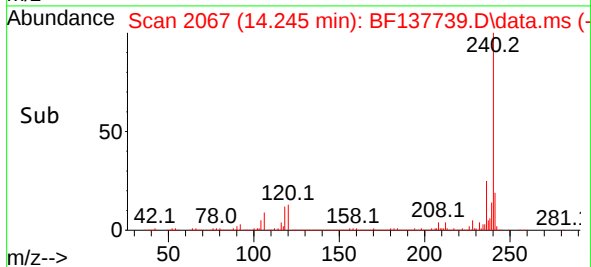
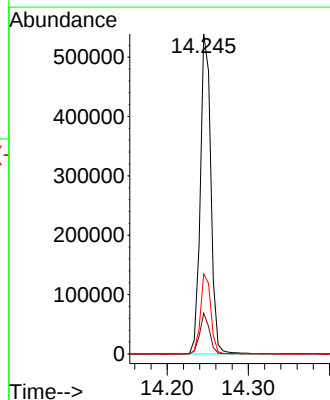
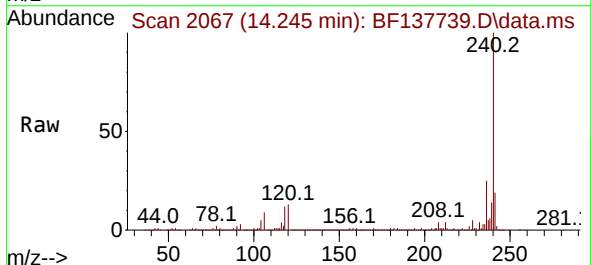
Instrument :
BNA_F
ClientSampleId :
RT-3860

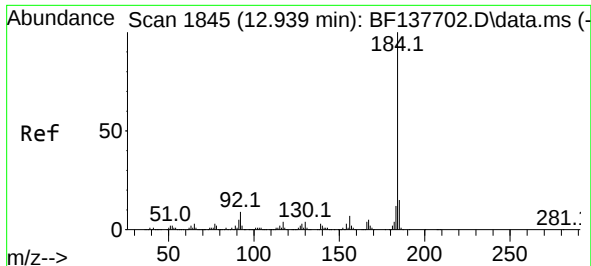
Tgt Ion:202 Resp: 391759
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.2
203 17.6 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.012 min
Lab File: BF137739.D
Acq: 26 Apr 2024 17:21

Tgt Ion:240 Resp: 487546
Ion Ratio Lower Upper
240 100
120 12.8 11.9 17.9
236 25.0 20.8 31.2





#77

Benzidine

Concen: 2.724 ng

RT: 13.186 min Scan# 1887

Delta R.T. 0.247 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

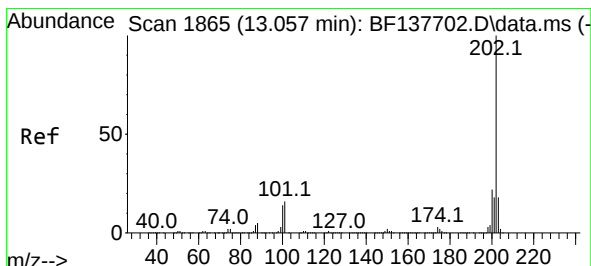
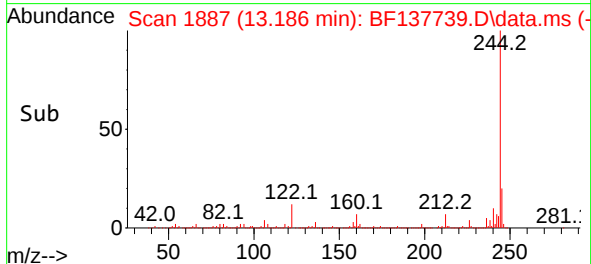
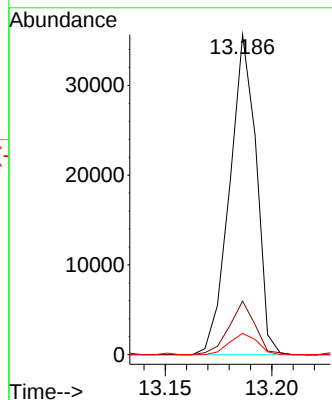
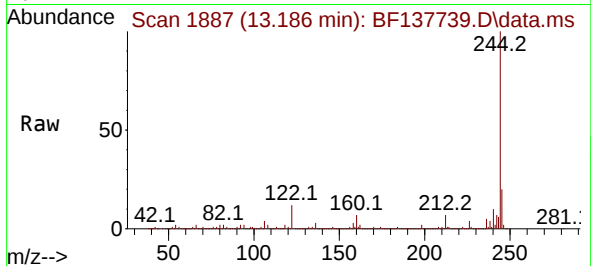
Tgt Ion:184 Resp: 31014

Ion Ratio Lower Upper

184 100

185 16.8 12.2 18.4

183 6.6 9.4 14.0#



#78

Pyrene

Concen: 6.797 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

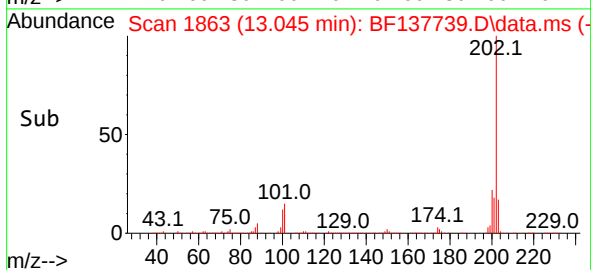
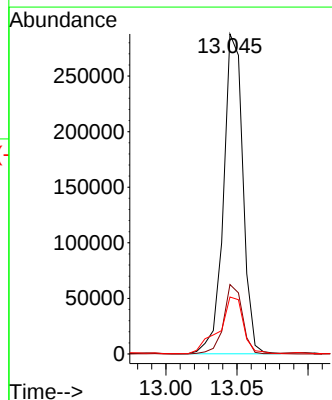
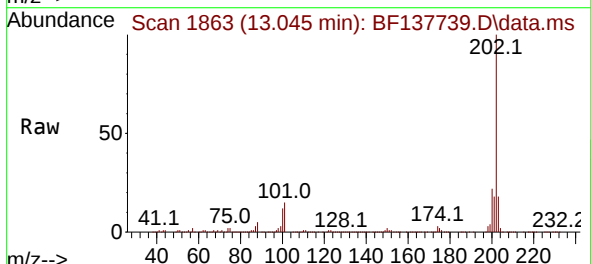
Tgt Ion:202 Resp: 271995

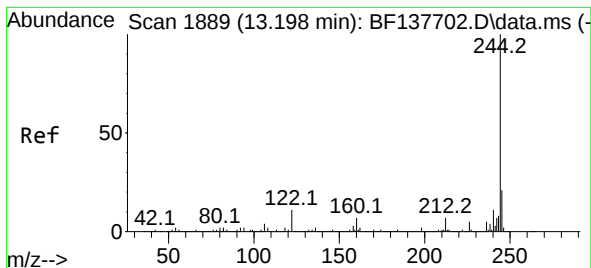
Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 83.300 ng

RT: 13.186 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

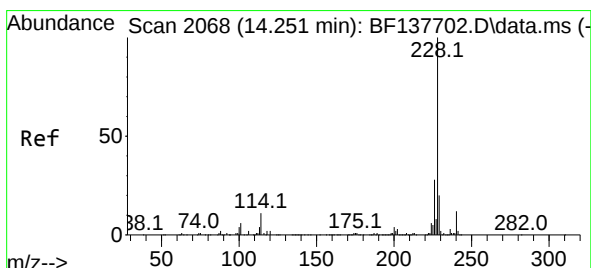
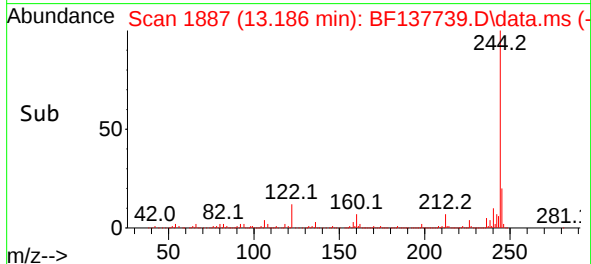
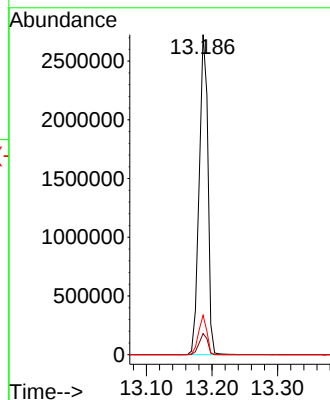
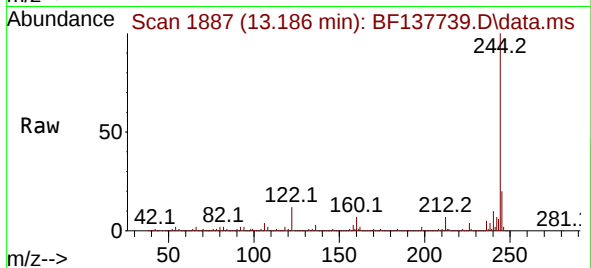
Tgt Ion:244 Resp: 2523216

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 12.3 8.8 13.2



#81

Benzo(a)anthracene

Concen: 2.073 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

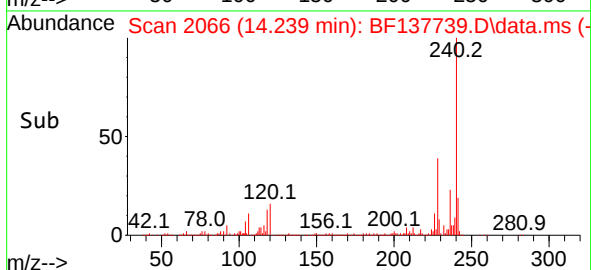
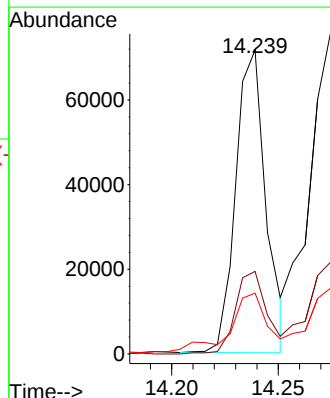
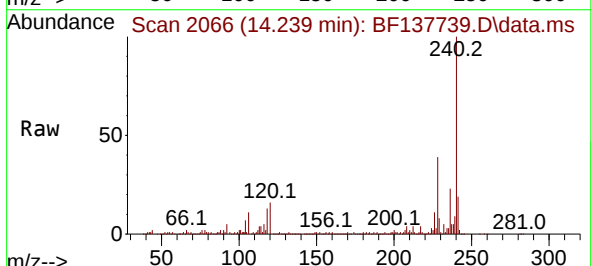
Tgt Ion:228 Resp: 70509

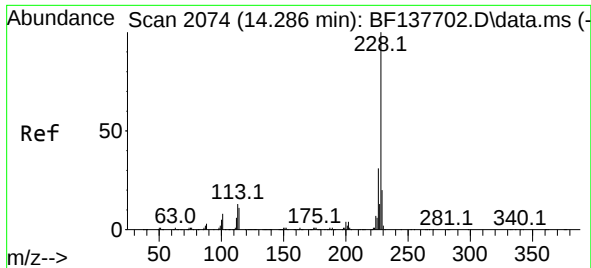
Ion Ratio Lower Upper

228 100

226 27.2 22.7 34.1

229 20.0 16.0 24.0





#83

Chrysene

Concen: 2.463 ng

RT: 14.274 min Scan# 2074

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

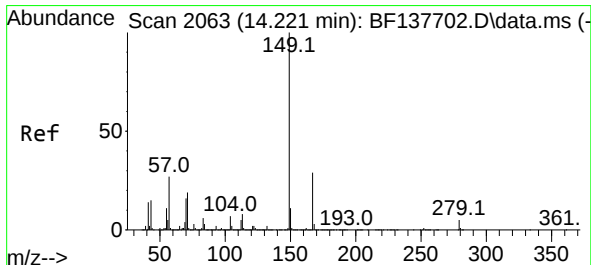
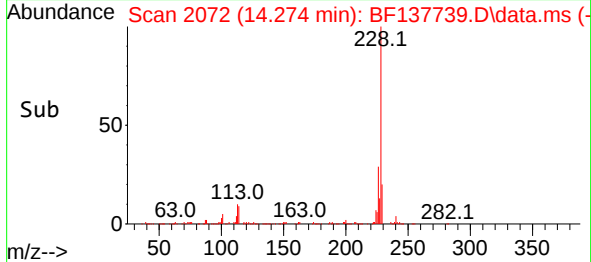
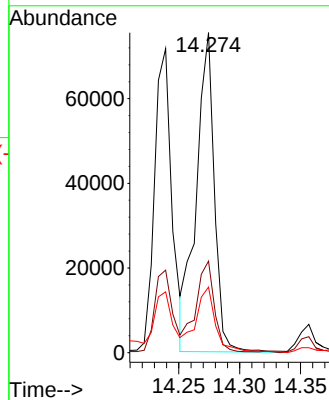
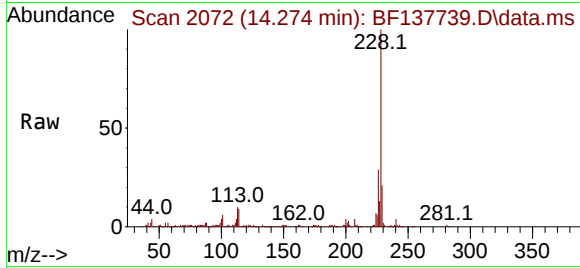
Tgt Ion:228 Resp: 78245

Ion Ratio Lower Upper

228 100

226 28.6 24.7 37.1

229 20.5 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.889 ng

RT: 14.210 min Scan# 2061

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

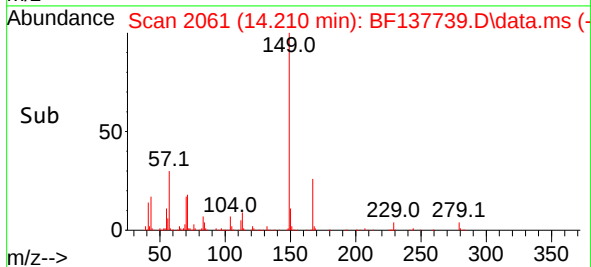
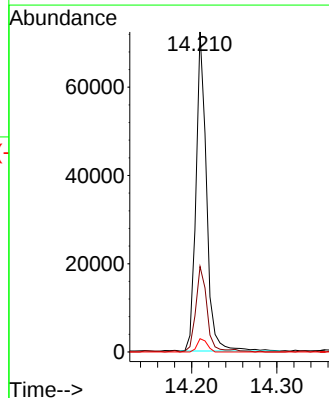
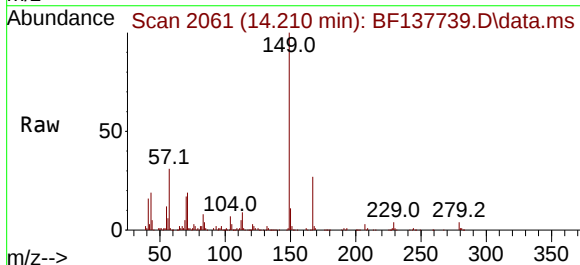
Tgt Ion:149 Resp: 61924

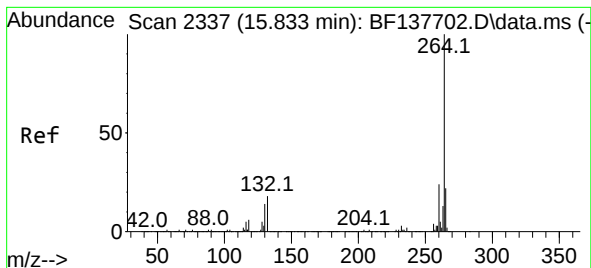
Ion Ratio Lower Upper

149 100

167 26.7 23.4 35.0

279 4.1 4.0 6.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860

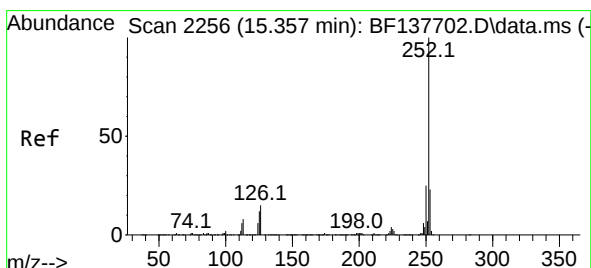
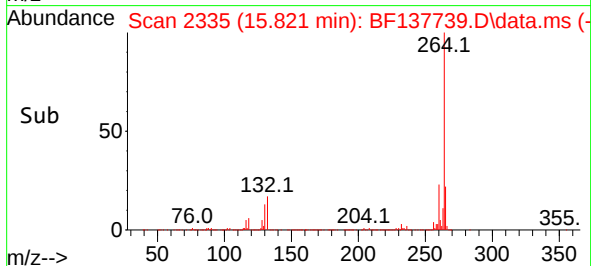
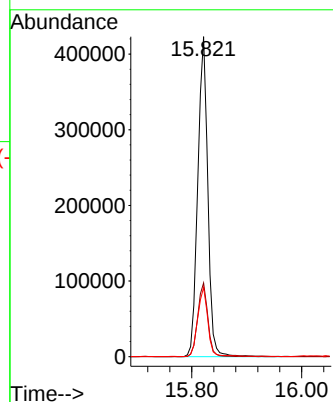
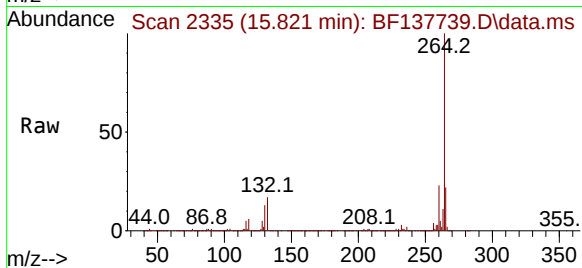
Tgt Ion:264 Resp: 535412

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

265 21.7 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.197 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.012 min

Lab File: BF137739.D

Acq: 26 Apr 2024 17:21

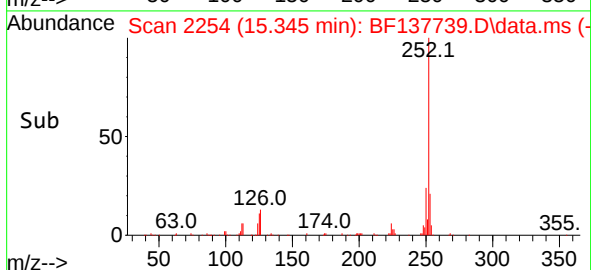
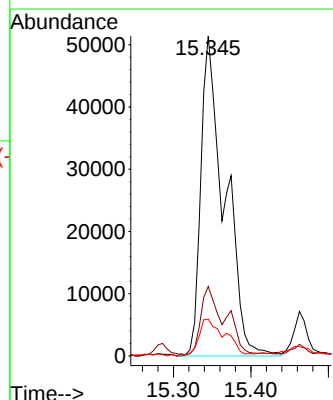
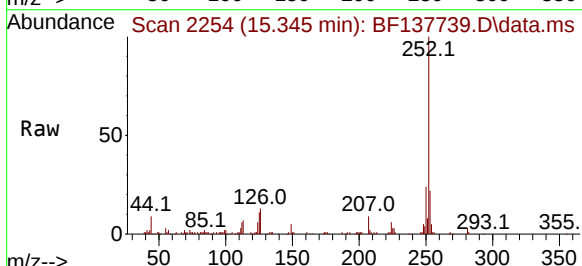
Tgt Ion:252 Resp: 109533

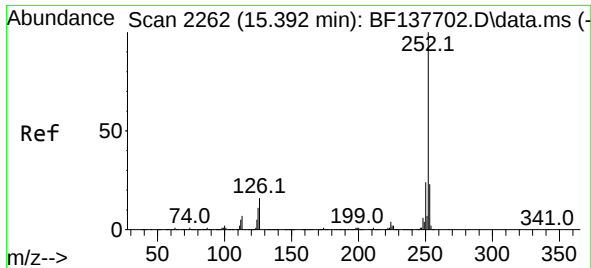
Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

125 11.5 9.2 13.8





#89

Benzo(k)fluoranthene

Concen: 3.252 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF137739.D

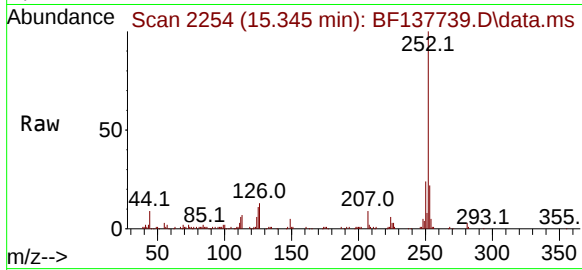
Acq: 26 Apr 2024 17:21

Instrument :

BNA_F

ClientSampleId :

RT-3860



Tgt Ion:252 Resp: 109533

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 11.5 9.0 13.6

