

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081418\
 Data File : BF108137.D
 Acq On : 14 Aug 2018 11:52
 Operator : JU/SJ
 Sample : J4274-01RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-080918RE

Quant Time: Aug 14 12:59:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	190556	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	643177	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	257346	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	446349	20.00	ng	0.00
75) Chrysene-d12	14.22	240	418012	20.00	ng	0.00
86) Perylene-d12	15.79	264	277355	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1146282	108.91	ng	0.02
7) Phenol-d6	6.64	99	1488032	106.39	ng	0.01
23) Nitrobenzene-d5	7.58	82	973891	84.49	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	295431	115.09	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1380751	86.14	ng	0.00
78) Terphenyl-d14	13.16	244	1192730	72.55	ng	0.01

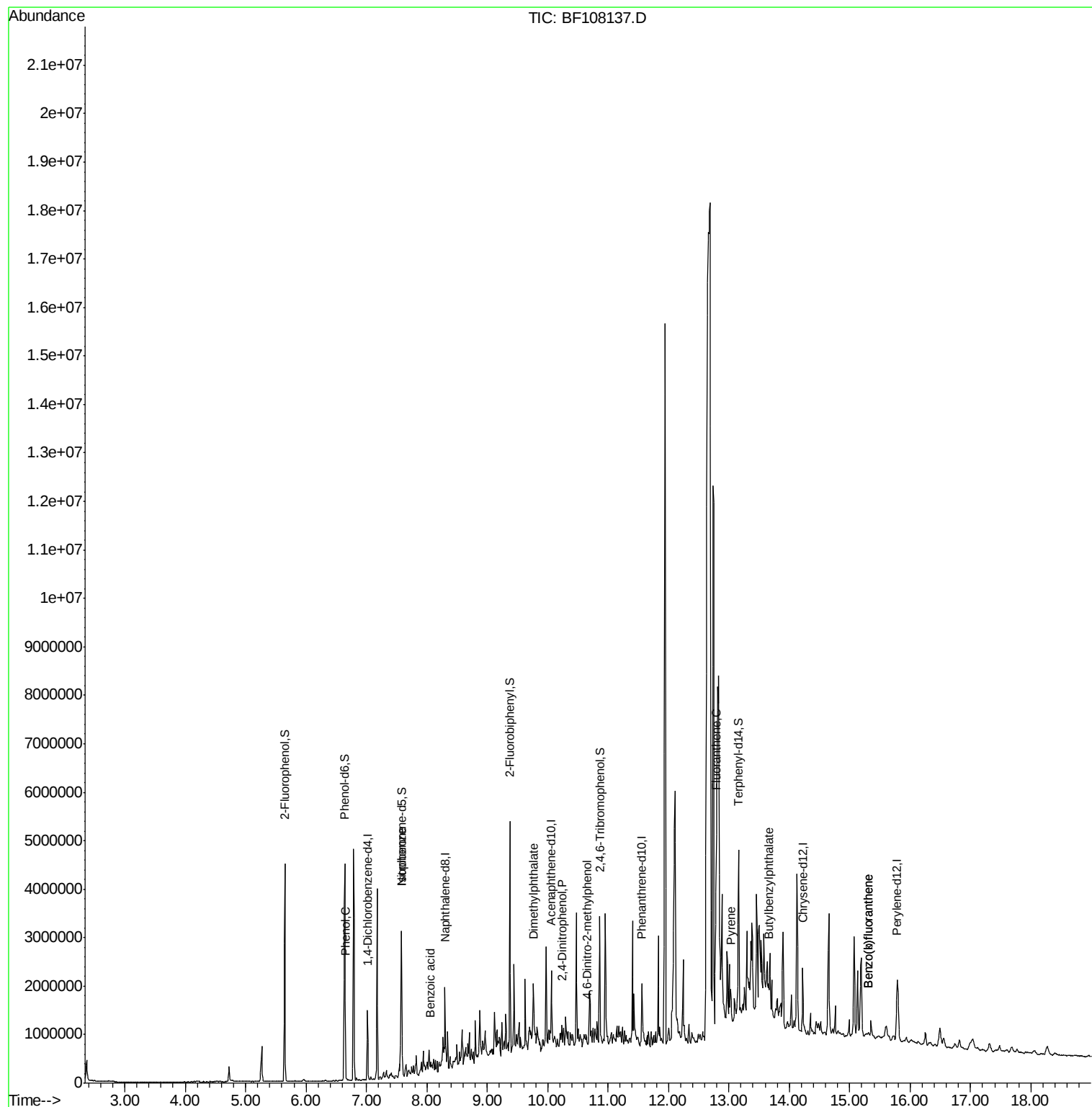
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.65	94	49209	3.401	ng	94
25) Isophorone	7.58	82	973687	44.320	ng	# 65
32) Benzoic acid	8.05	122	833	6.103	ng	# 1
49) Dimethylphthalate	9.77	163	144652	8.069	ng	# 98
53) 2,4-Dinitrophenol	10.24	184	116	7.096	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.66	198	135	5.430	ng	# 1
74) Fluoranthene	12.79	202	52672	2.292	ng	87
77) Pyrene	13.02	202	65258	2.466	ng	97
79) Butylbenzylphthalate	13.65	149	32736	3.115	ng	# 50
87) Benzo(b)fluoranthene	15.31	252	35181	2.123	ng	# 52
88) Benzo(k)fluoranthene	15.31	252	35270	2.315	ng	# 56

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

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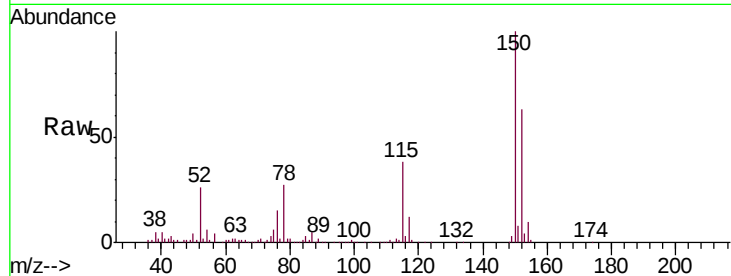


#1

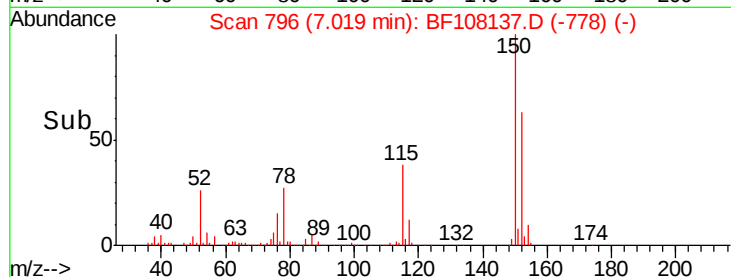
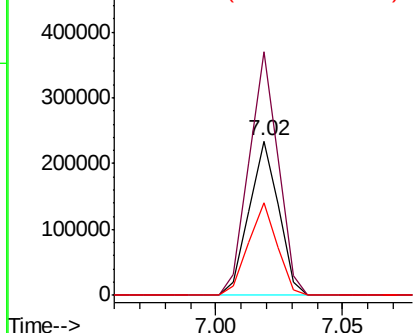
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

Instrument :
BNA_F
ClientSampleId :
HD-01-080918RE

Tgt Ion:152 Resp: 190556
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 60.4 50.1 75.1



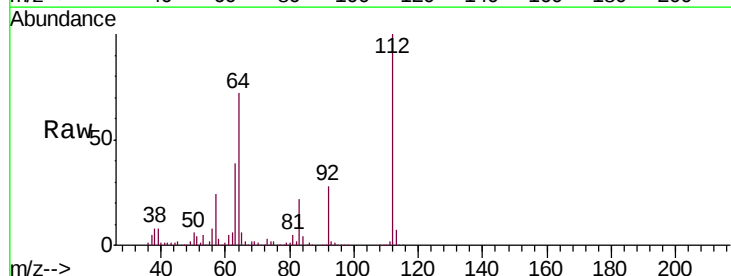
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



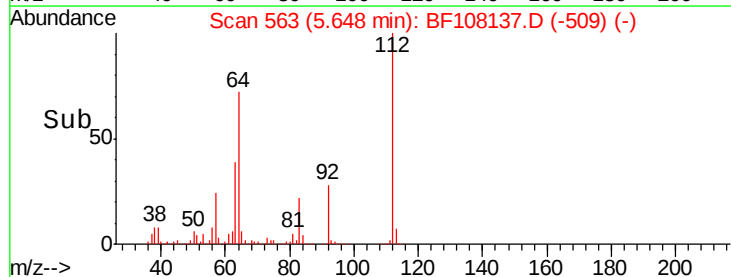
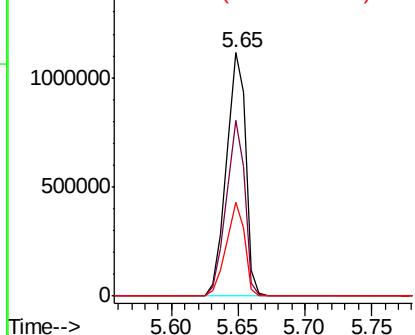
#5

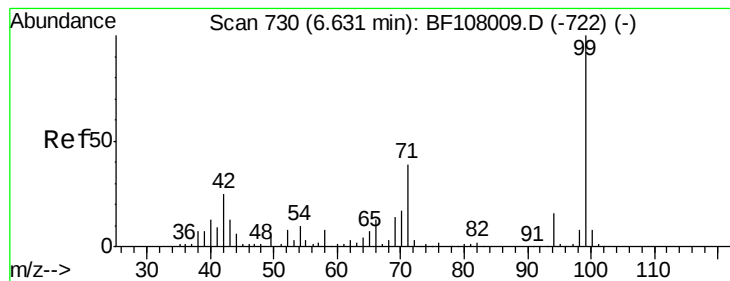
2-Fluorophenol
Concen: 108.907 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

Tgt Ion:112 Resp: 1146282
Ion Ratio Lower Upper
112 100
64 72.4 47.9 71.9#
63 38.7 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.389 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

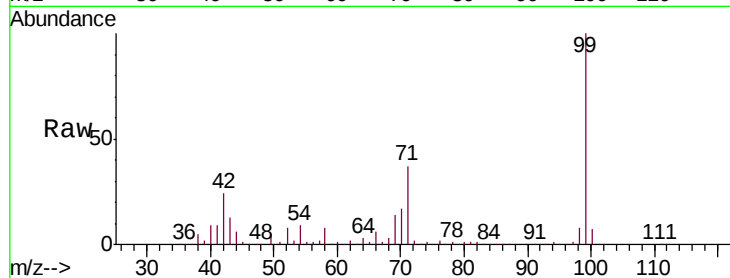
BNA_F

ClientSampleId :

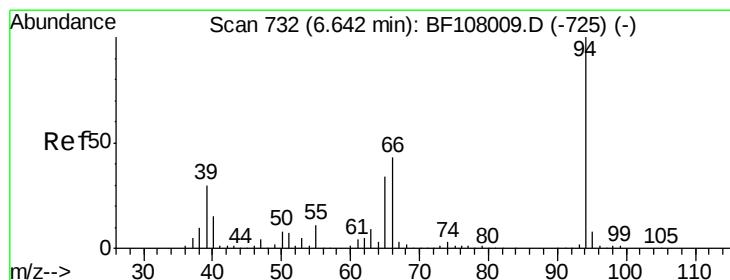
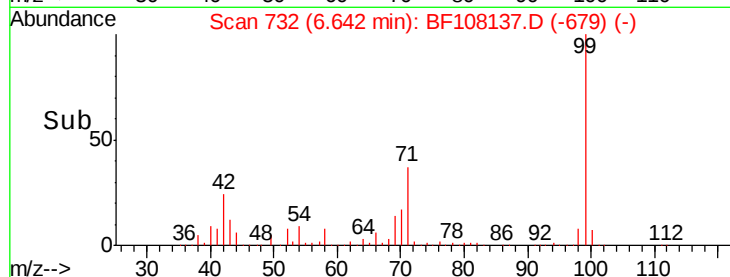
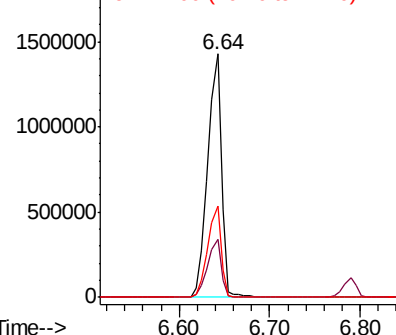
HD-01-080918RE

Tgt Ion: 99 Resp: 1488032

Ion	Ratio	Lower	Upper
99	100		
42	24.1	14.5	21.7#
71	37.4	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.401 ng

RT: 6.65 min Scan# 734

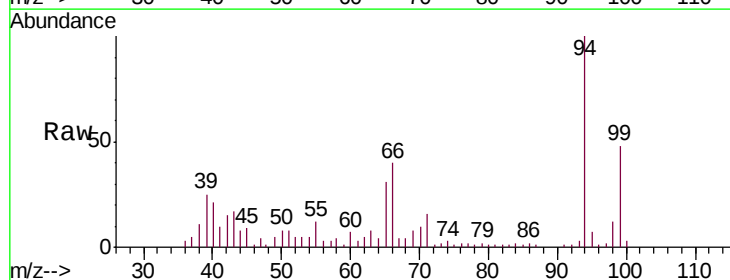
Delta R.T. 0.01 min

Lab File: BF108137.D

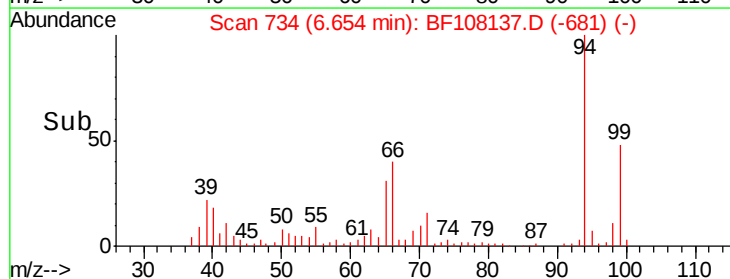
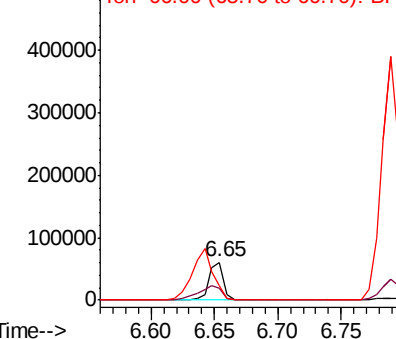
Acq: 14 Aug 2018 11:52

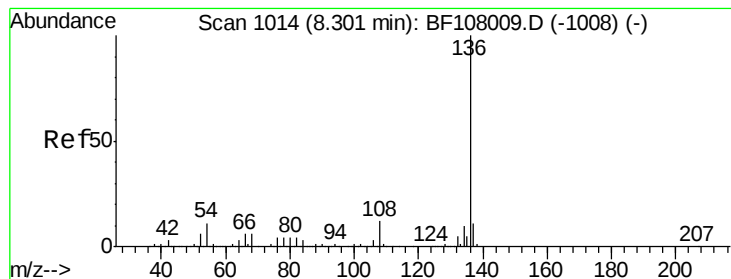
Tgt Ion: 94 Resp: 49209

Ion	Ratio	Lower	Upper
94	100		
65	31.0	7.9	47.9
66	39.8	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

Tgt Ion: 136 Resp: 643177

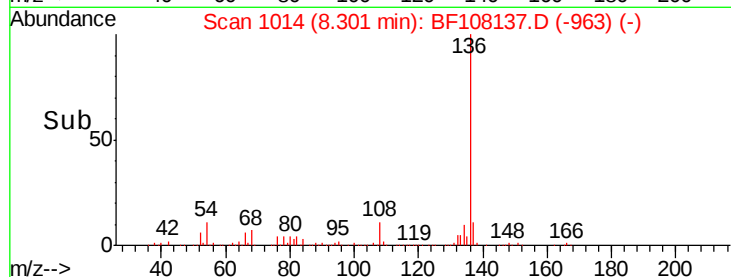
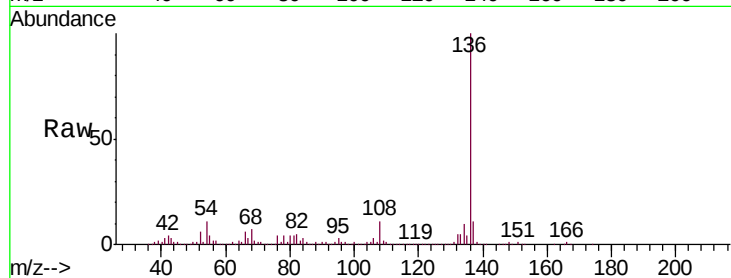
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 11.3 6.6 9.8#

68 7.1 5.0 7.4

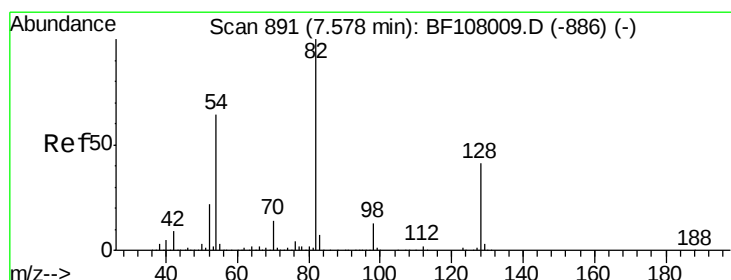
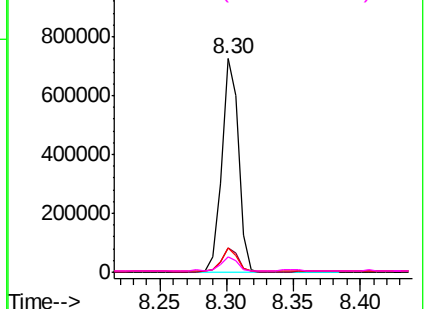


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 84.494 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

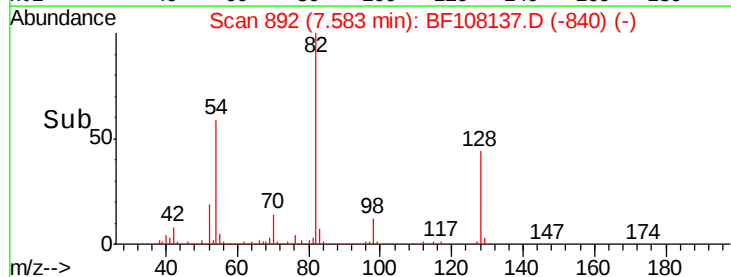
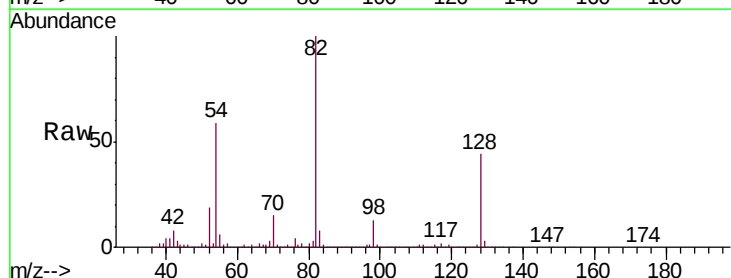
Tgt Ion: 82 Resp: 973891

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

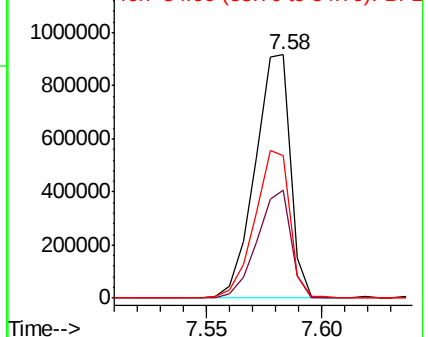
54 58.7 41.4 62.2

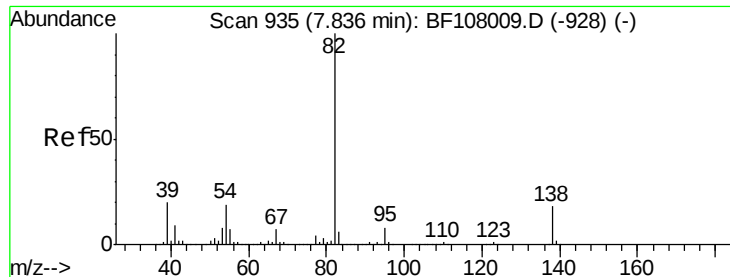


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.320 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

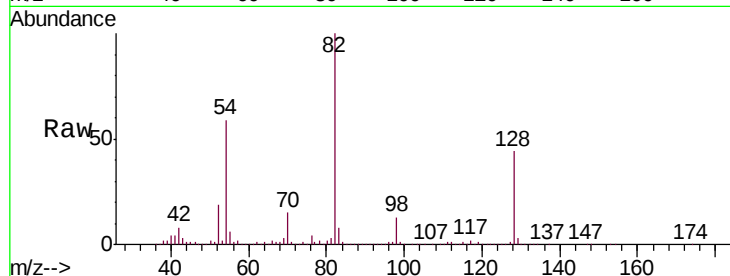
Tgt Ion: 82 Resp: 973687

Ion Ratio Lower Upper

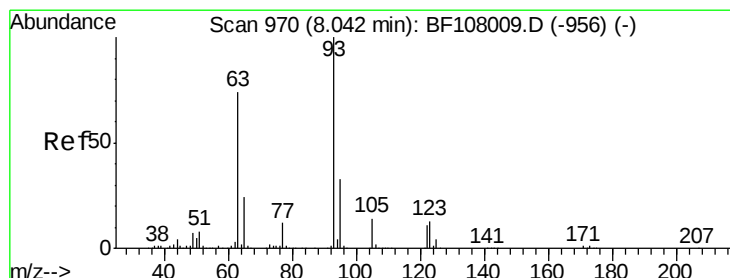
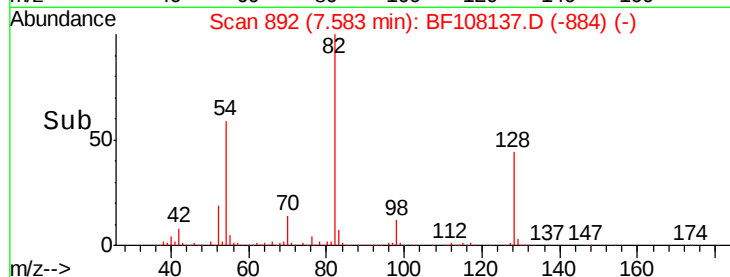
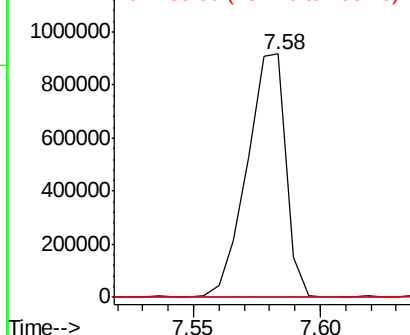
82 100

95 0.3 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.103 ng

RT: 8.05 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

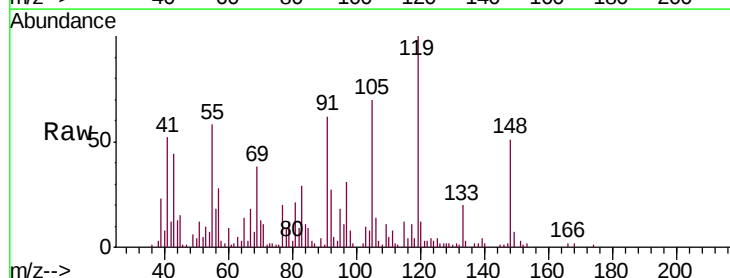
Tgt Ion:122 Resp: 833

Ion Ratio Lower Upper

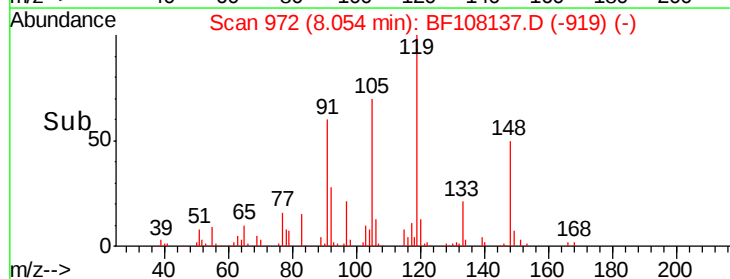
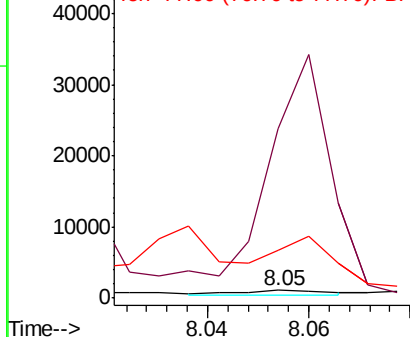
122 100

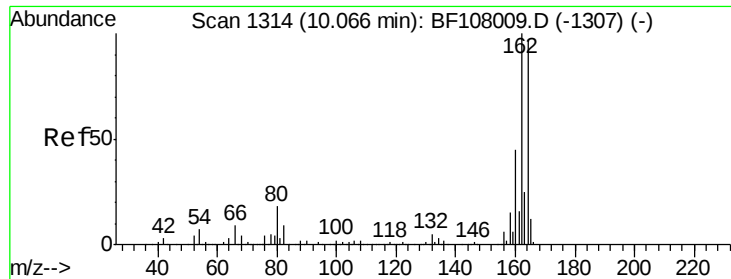
105 2158.8 101.1 141.1#

77 612.6 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

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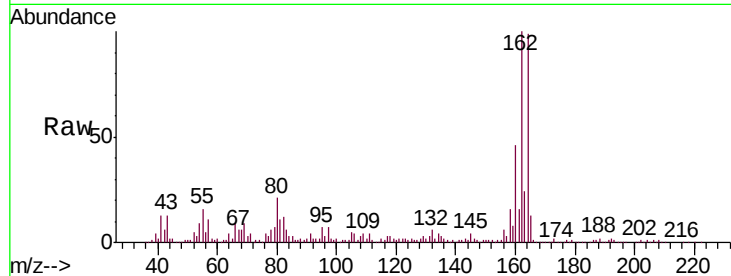
Tgt Ion:164 Resp: 257346

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

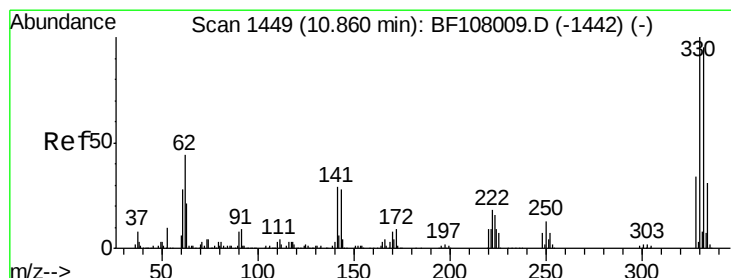
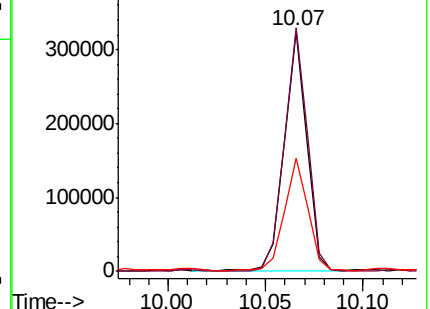
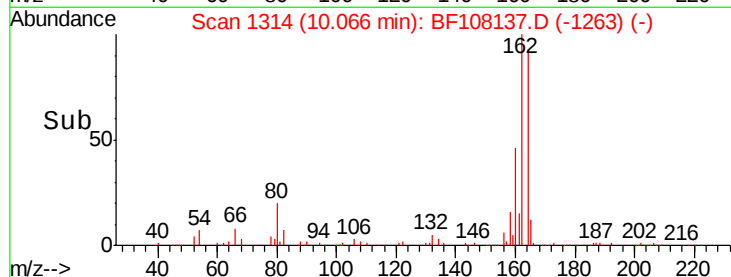
160 46.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 115.090 ng

RT: 10.86 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

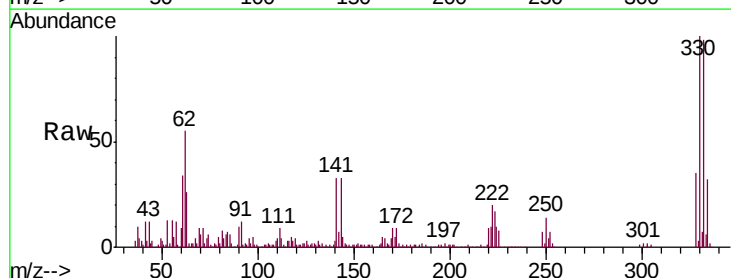
Tgt Ion:330 Resp: 295431

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

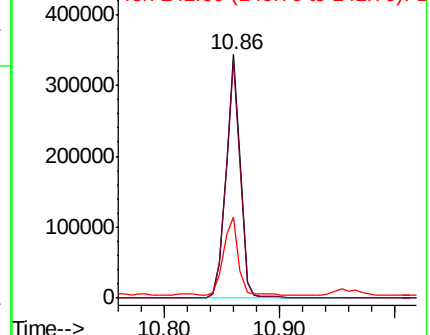
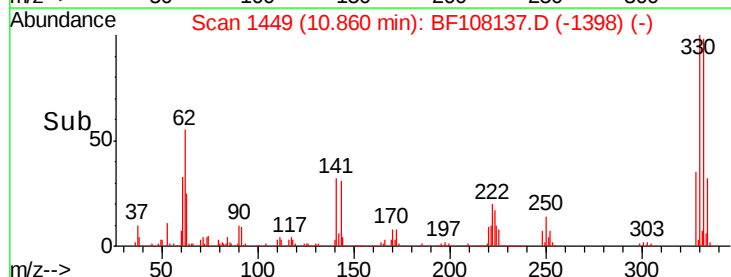
141 33.1 29.9 44.9

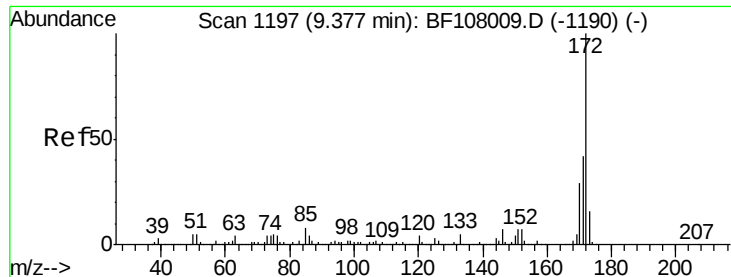


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

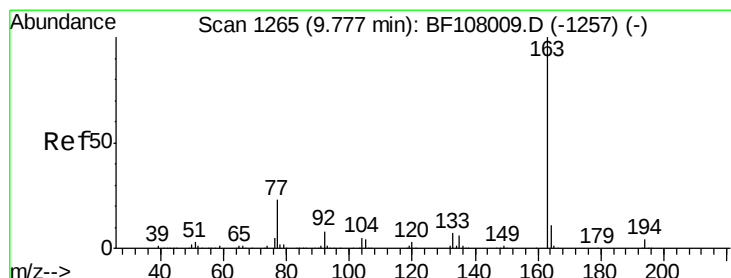
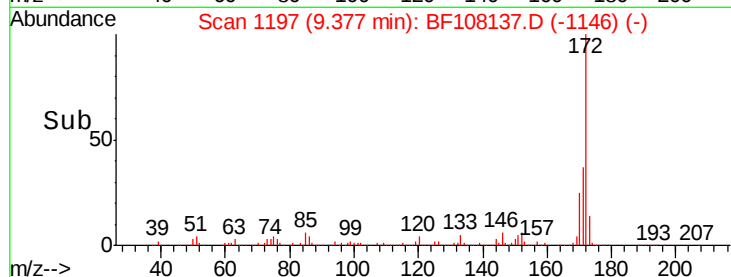
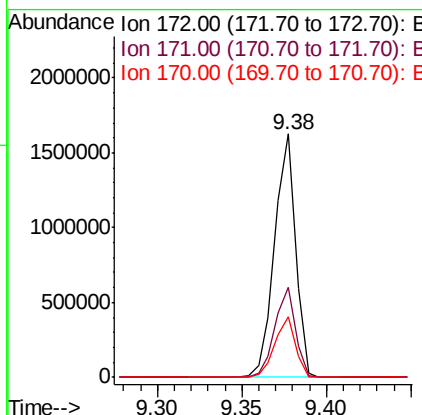
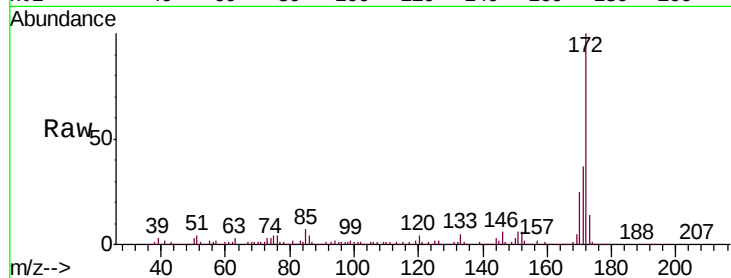




#44
2-Fluorobiphenyl
Concen: 86.139 ng
RT: 9.38 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

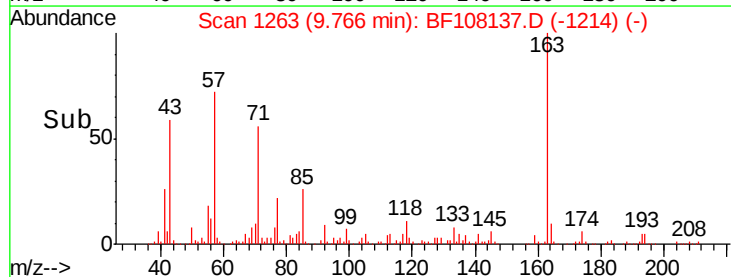
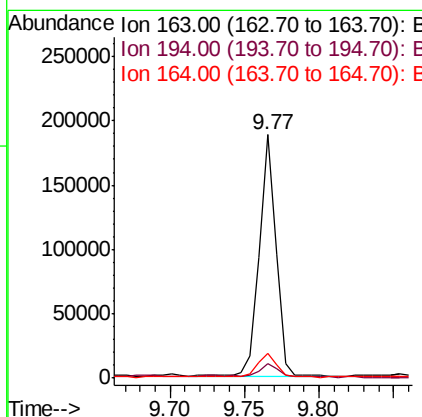
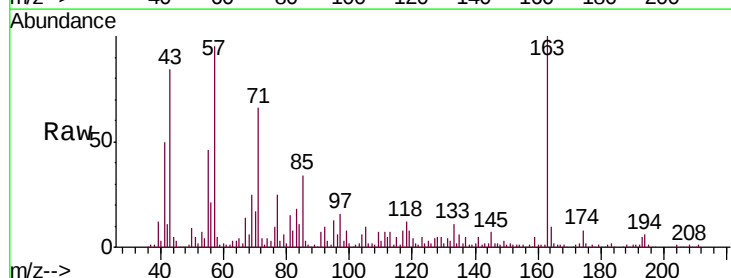
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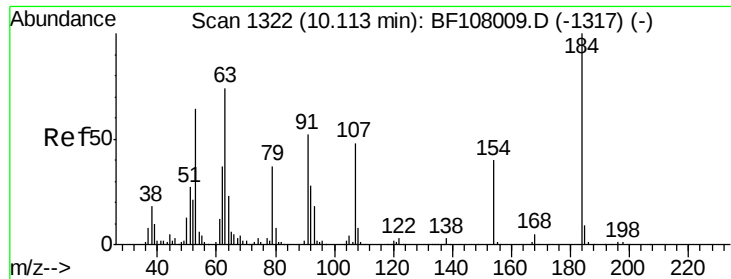
Tgt Ion:172 Resp: 1380751
Ion Ratio Lower Upper
172 100
171 37.2 29.7 44.5
170 25.1 19.6 29.4



#49
Dimethylphthalate
Concen: 8.069 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

Tgt Ion:163 Resp: 144652
Ion Ratio Lower Upper
163 100
194 6.1 2.7 4.1#
164 10.4 8.2 12.2

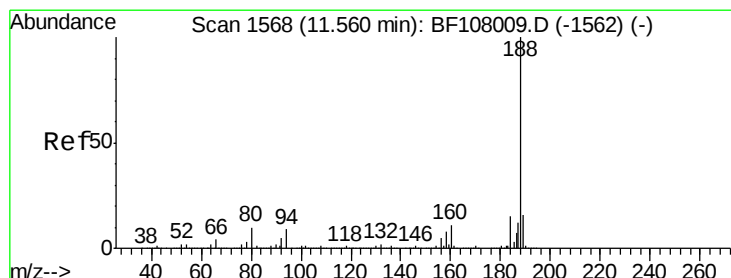
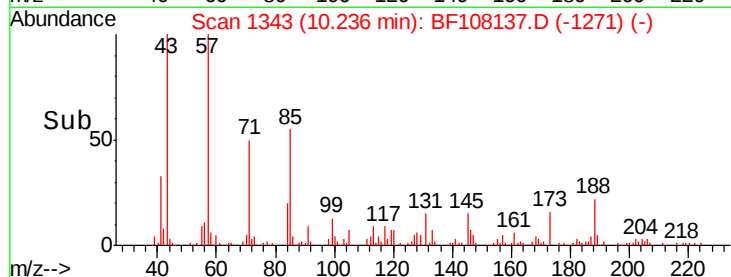
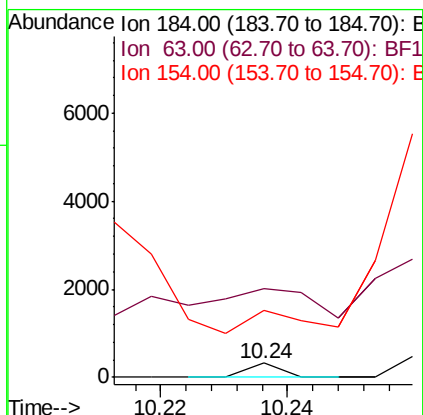
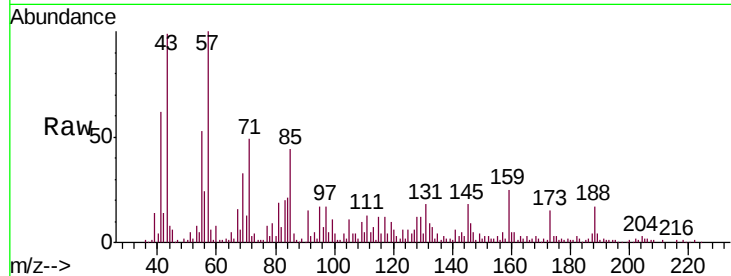




#53
2,4-Dinitrophenol
Concen: 7.096 ng
RT: 10.24 min Scan# 1343
Delta R.T. 0.12 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

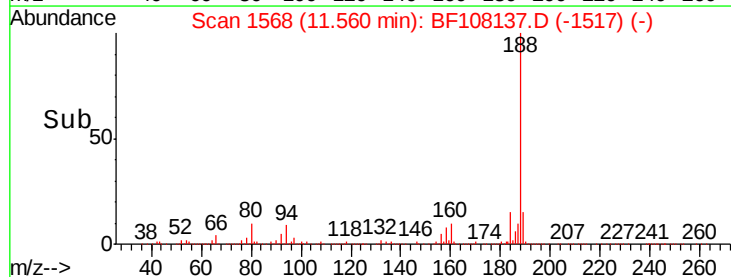
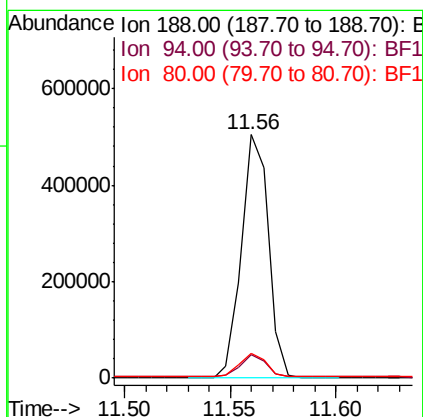
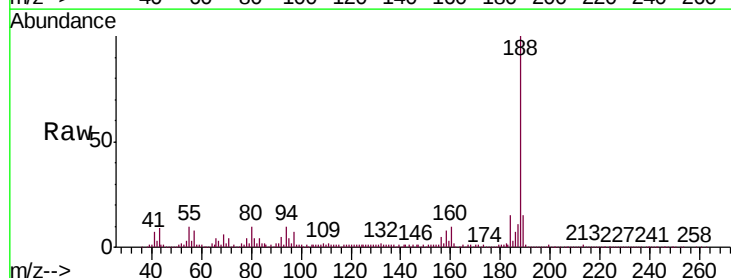
Instrument :
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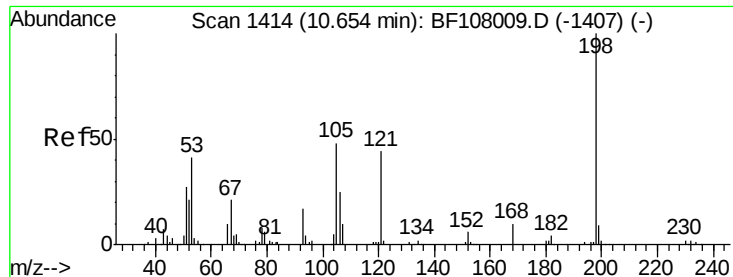
Tgt Ion:184 Resp: 116
Ion Ratio Lower Upper
184 100
63 617.4 54.2 81.2#
154 465.2 184.0 276.0#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108137.D
Acq: 14 Aug 2018 11:52

Tgt Ion:188 Resp: 446349
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.430 ng

RT: 10.66 min Scan# 1415

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

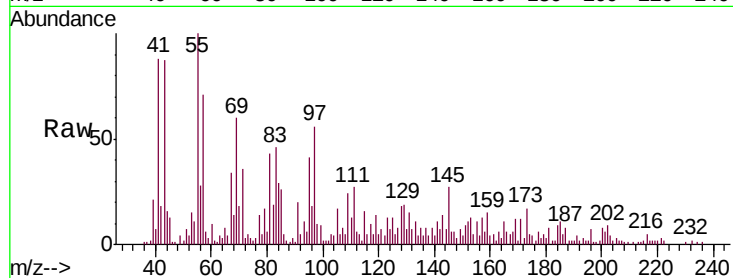
Tgt Ion:198 Resp: 135

Ion Ratio Lower Upper

198 100

51 804.2 37.7 77.7#

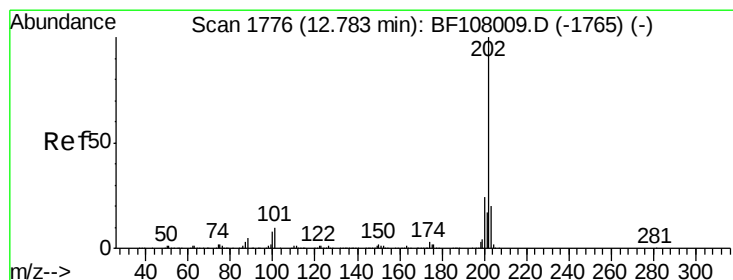
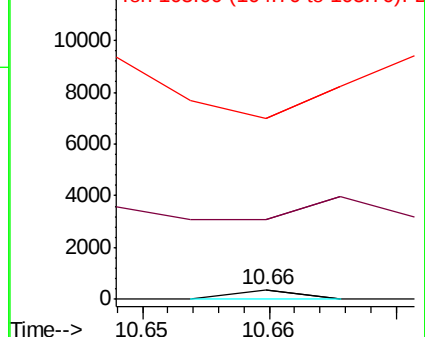
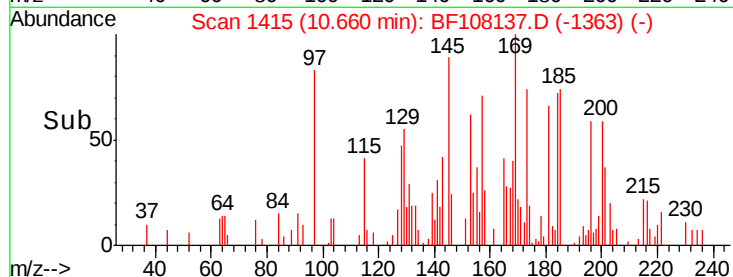
105 1834.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#74

Fluoranthene

Concen: 2.292 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

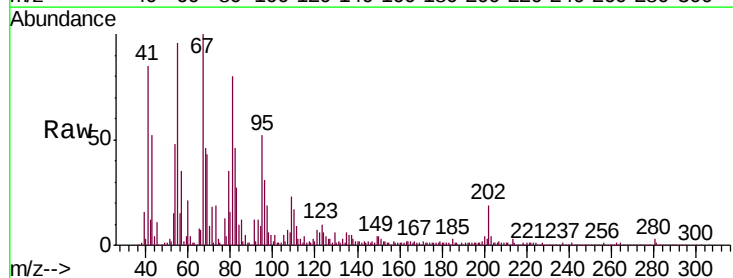
Tgt Ion:202 Resp: 52672

Ion Ratio Lower Upper

202 100

101 24.2 0.0 34.1

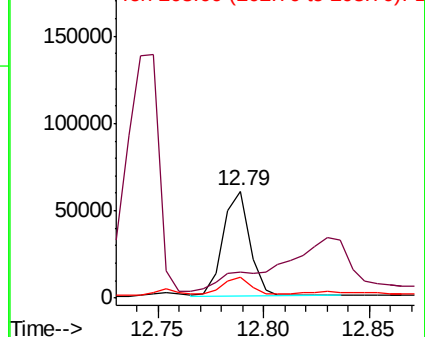
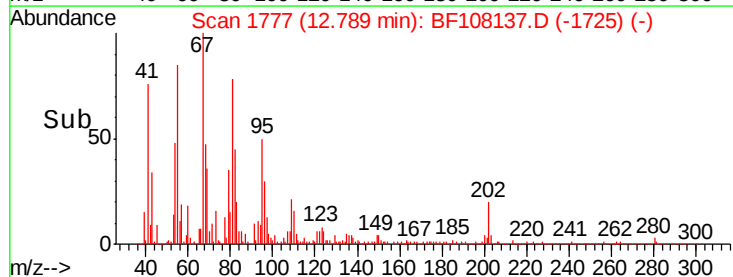
203 20.1 0.0 38.1

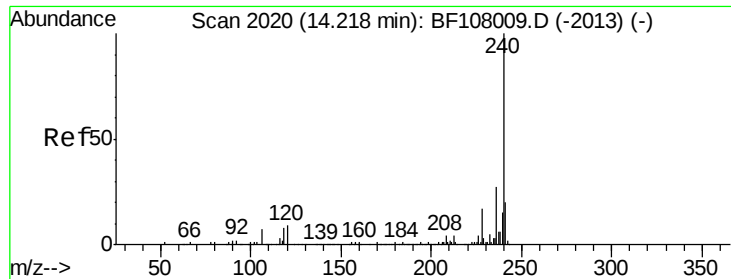


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

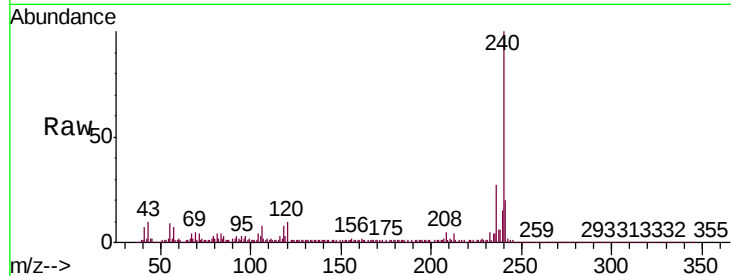
Tgt Ion:240 Resp: 418012

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

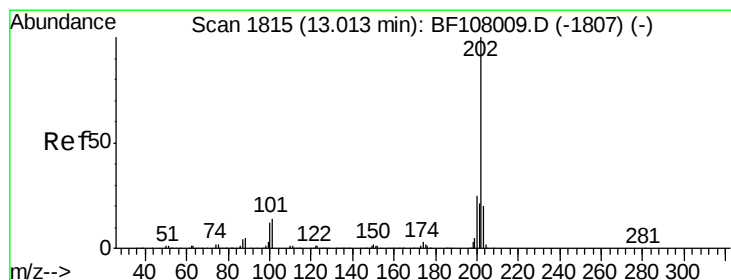
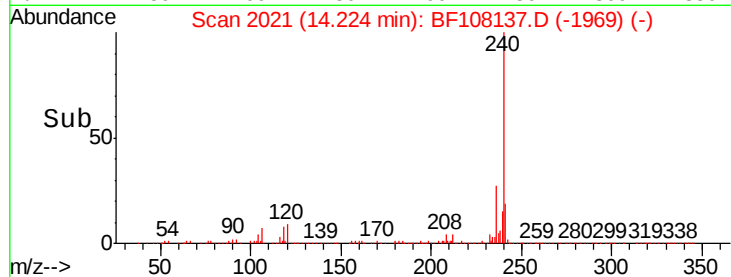
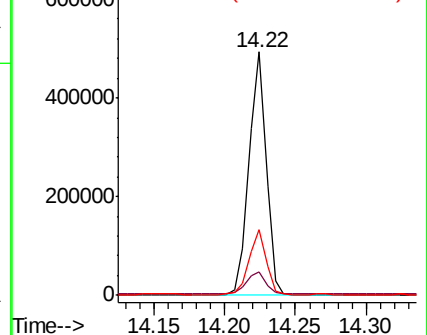
236 27.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.466 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

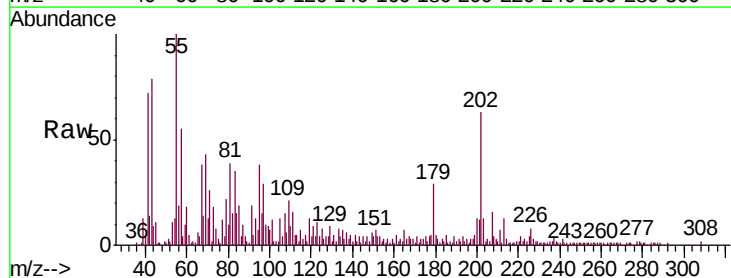
Tgt Ion:202 Resp: 65258

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

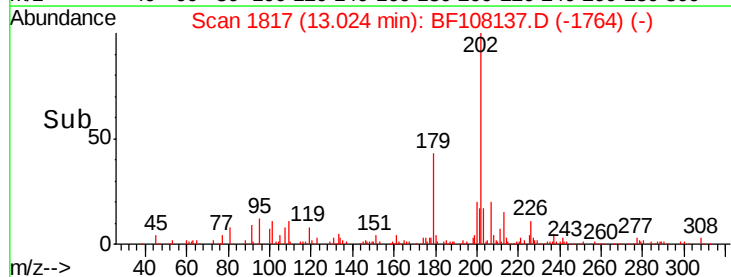
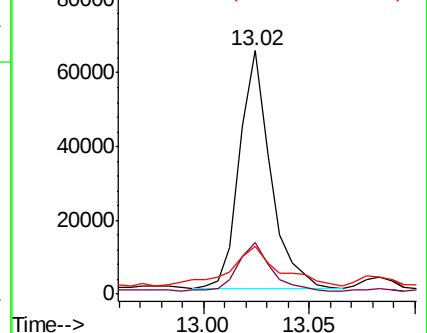
203 19.9 14.3 21.5

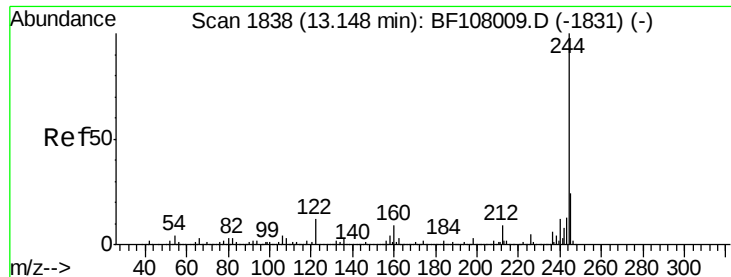


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.548 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

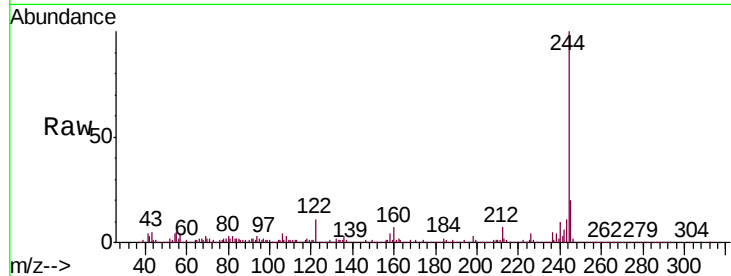
Tgt Ion:244 Resp: 1192730

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

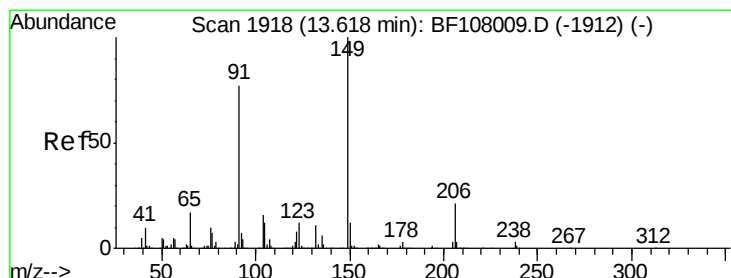
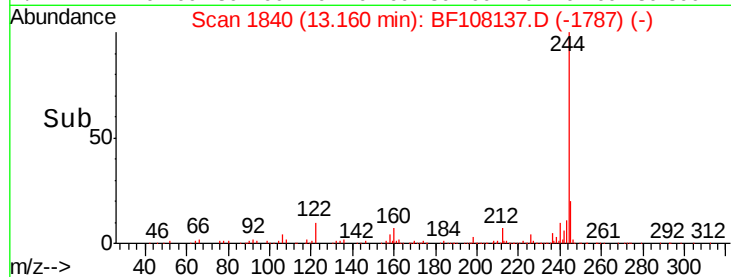
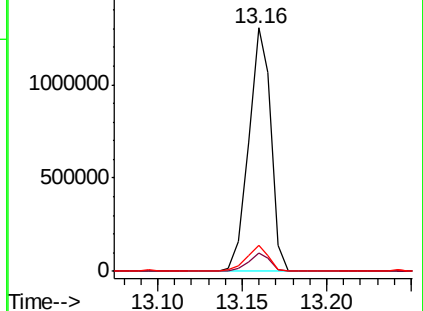
122 10.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 3.115 ng

RT: 13.65 min Scan# 1924

Delta R.T. 0.04 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

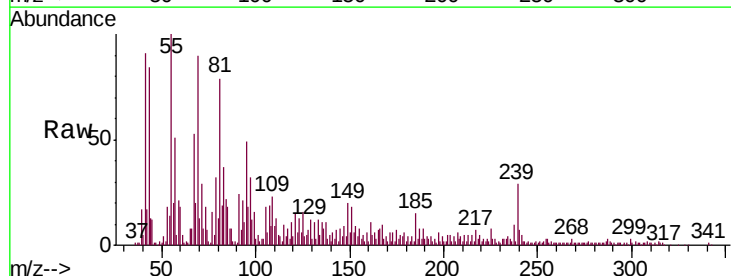
Tgt Ion:149 Resp: 32736

Ion Ratio Lower Upper

149 100

91 118.3 56.8 85.2#

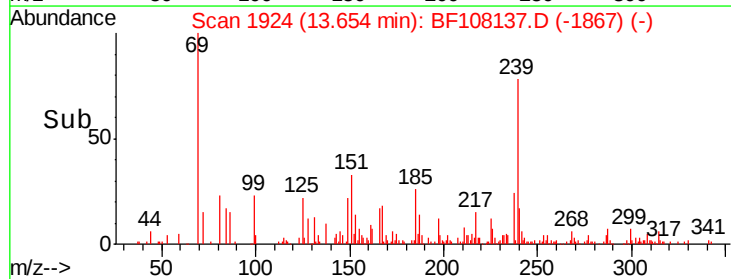
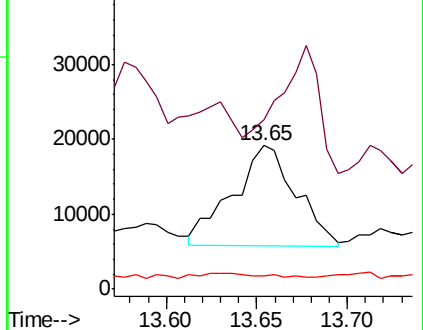
206 9.1 14.1 21.1#

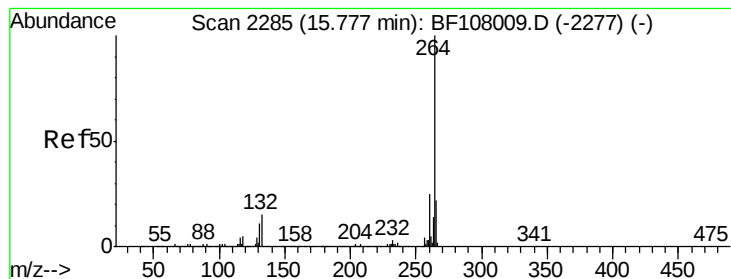


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.79 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE

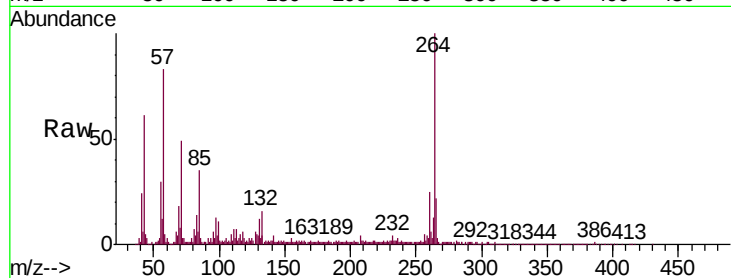
Tgt Ion: 264 Resp: 277355

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

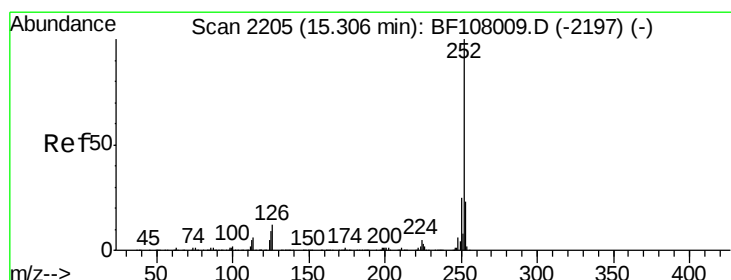
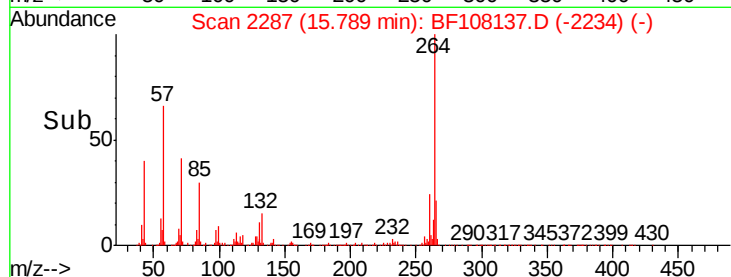
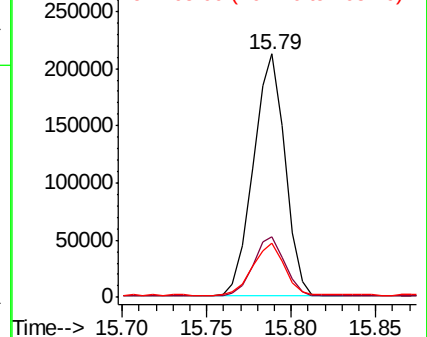
265 22.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 2.123 ng

RT: 15.31 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF108137.D

Acq: 14 Aug 2018 11:52

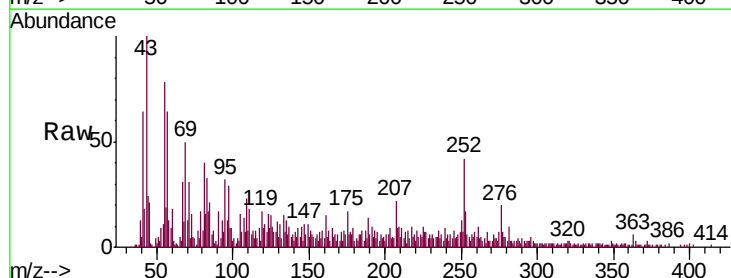
Tgt Ion: 252 Resp: 35181

Ion Ratio Lower Upper

252 100

253 40.2 17.0 25.6#

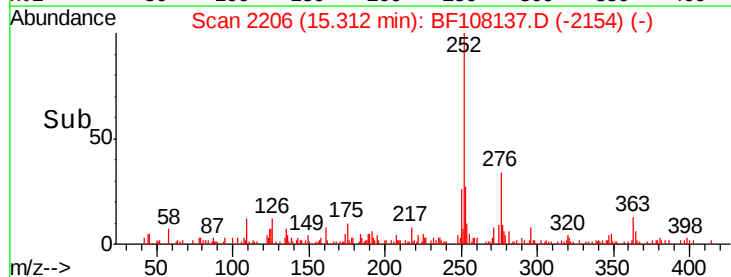
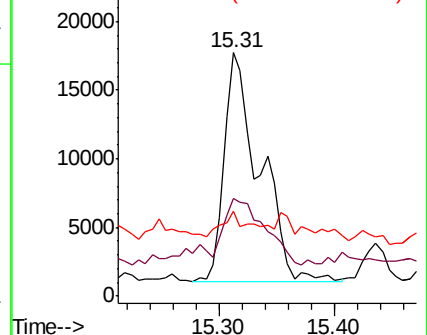
125 34.9 9.0 13.6#

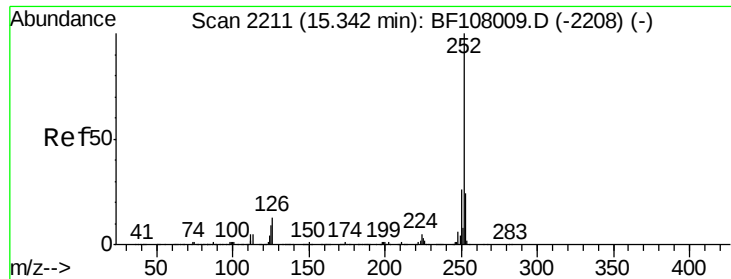


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.315 ng

RT: 15.31 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF108137.D

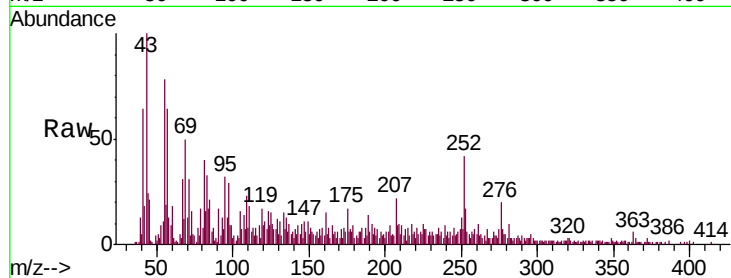
Acq: 14 Aug 2018 11:52

Instrument :

BNA_F

ClientSampleId :

HD-01-080918RE



Tgt Ion:	252	Resp:	35270
Ion	Ratio	Lower	Upper
252	100		
253	40.2	17.9	26.9#
125	34.9	10.2	15.2#

