

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107954.D
 Acq On : 3 Aug 2018 22:43
 Operator : JU/SJ
 Sample : J4310-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 04:08:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	97558	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	441828	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	173585	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	288428	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	315426	20.00	ng	-0.01
86) Perylene-d12	15.67	264	314113	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	376470	65.58	ng	0.00
7) Phenol-d6	6.60	99	602157	79.59	ng	0.00
23) Nitrobenzene-d5	7.53	82	368501	48.05	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	128996	54.69	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	750411	60.24	ng	-0.02
78) Terphenyl-d14	13.07	244	649531	44.65	ng	-0.02

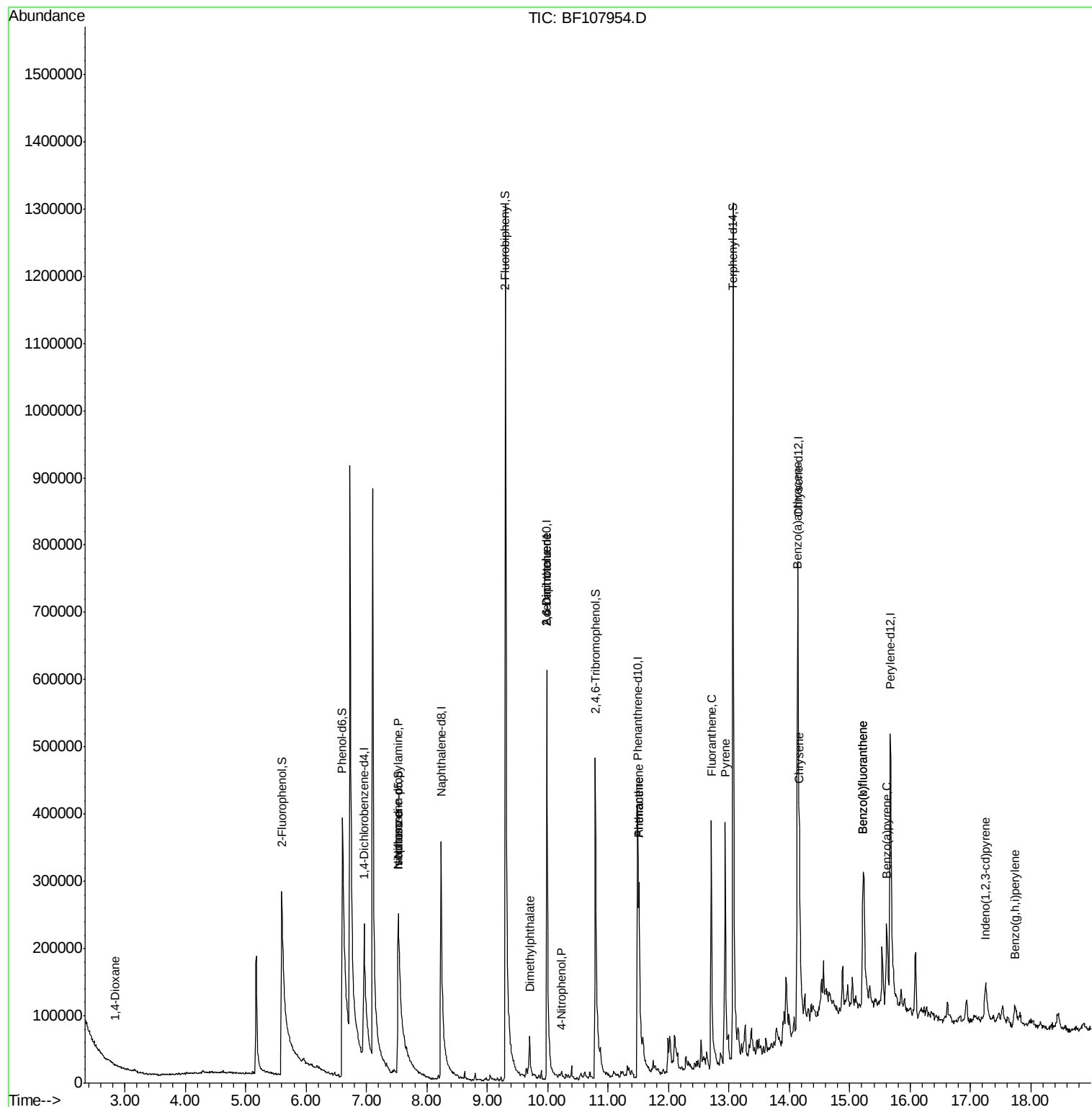
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.85	88	297	5.890	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	36398	7.584	ng	# 82
25) Isophorone	7.53	82	368501	29.272	ng	# 64
49) Dimethylphthalate	9.70	163	47039	3.608	ng	# 99
50) 2,6-Dinitrotoluene	9.99	165	22019	7.772	ng	# 25
55) 4-Nitrophenol	10.21	139	2277	10.510	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	22638	6.080	ng	# 23
70) Phenanthrene	11.51	178	136491	9.966	ng	# 97
71) Anthracene	11.51	178	136491	8.640	ng	# 98
74) Fluoranthene	12.71	202	235498	14.637	ng	# 95
77) Pyrene	12.94	202	218259	9.609	ng	# 97
80) Benzo(a)anthracene	14.13	228	126255	7.066	ng	# 97
82) Chrysene	14.17	228	126689	6.574	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.26	276	46083	3.144	ng	# 58
87) Benzo(b)fluoranthene	15.22	252	199624	12.886	ng	# 99
88) Benzo(k)fluoranthene	15.22	252	199624	10.495	ng	# 98
89) Benzo(a)pyrene	15.61	252	100411	6.278	ng	# 96
91) Benzo(g,h,i)perylene	17.74	276	43580	3.228	ng	# 90

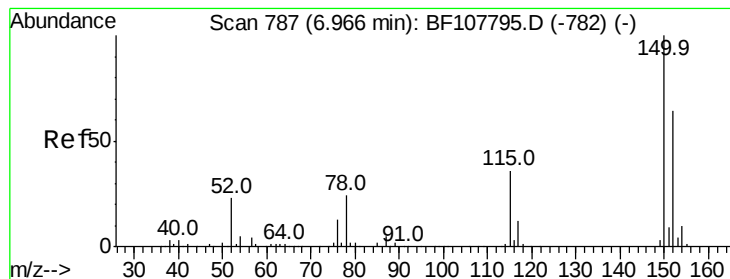
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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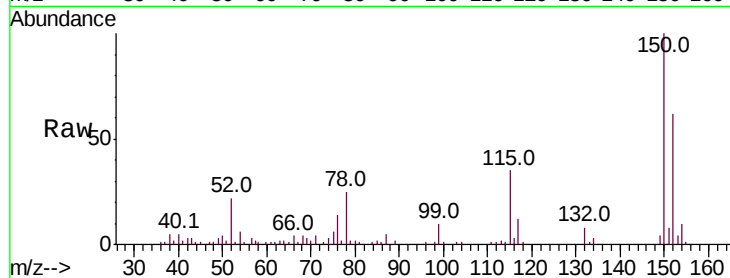


#1

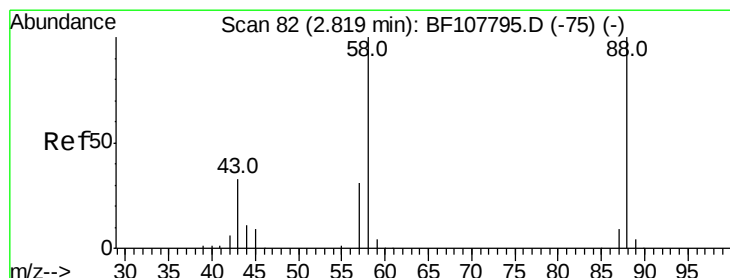
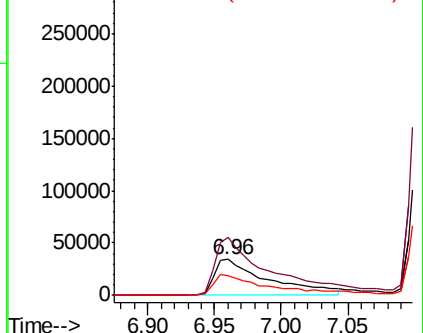
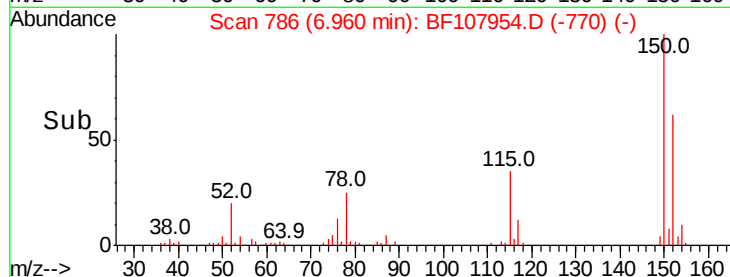
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97558
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 56.0 50.1 75.1



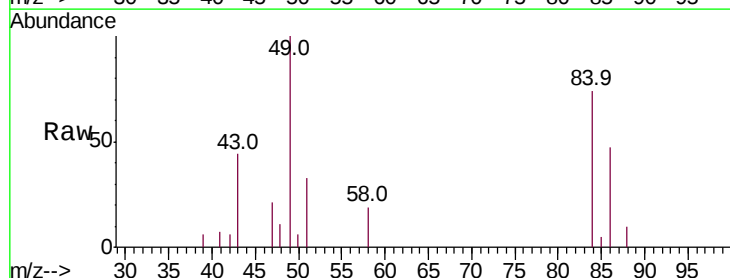
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



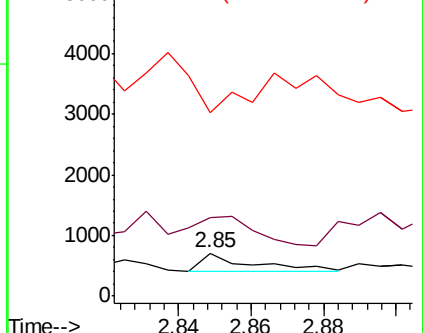
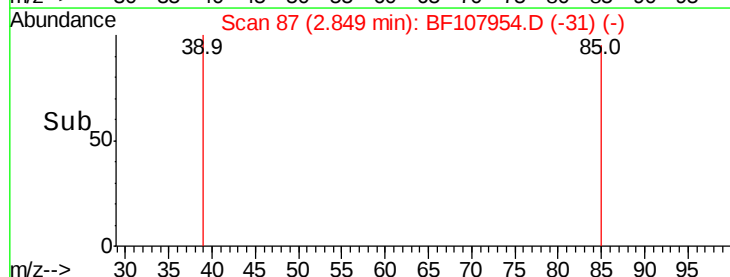
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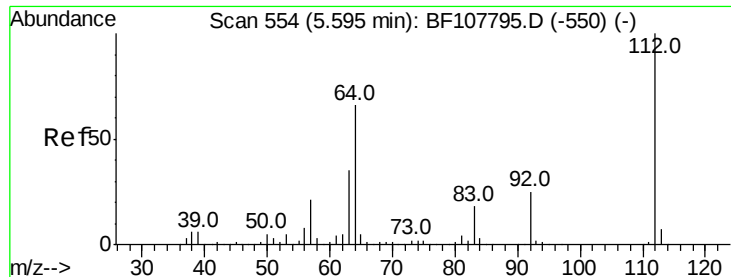
1,4-Dioxane
Concen: 5.890 ng
RT: 2.85 min Scan# 87
Delta R.T. 0.03 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion: 88 Resp: 297
Ion Ratio Lower Upper
88 100
58 164.3 62.6 93.8#
43 272.4 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 65.584 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :
BNA_F
ClientSampleId :

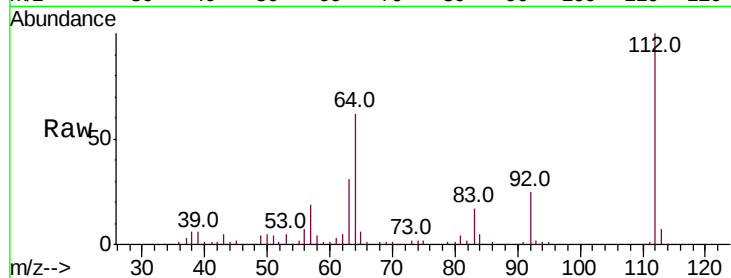
Tot Ion:112 Resp: 376470

Ion Ratio Lower Upper

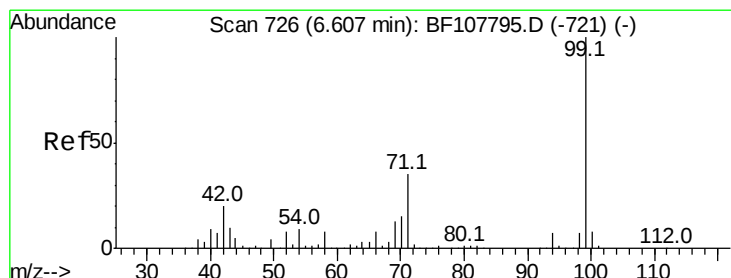
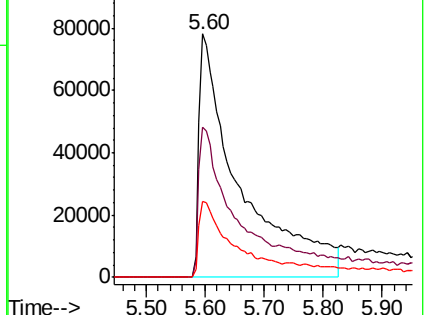
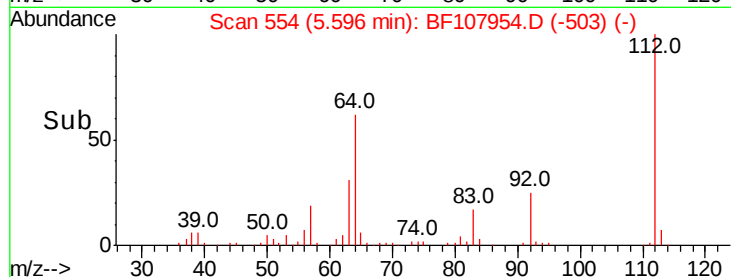
112 100

64 61.9 47.9 71.9

63 31.4 23.7 35.5



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



#7

Phenol-d6

Concen: 79.595 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

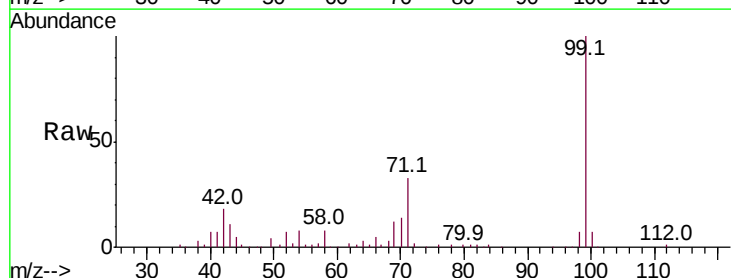
Tgt Ion: 99 Resp: 602157

Ion Ratio Lower Upper

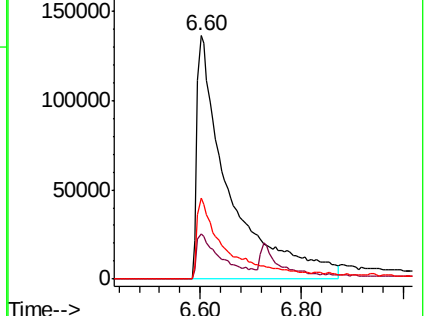
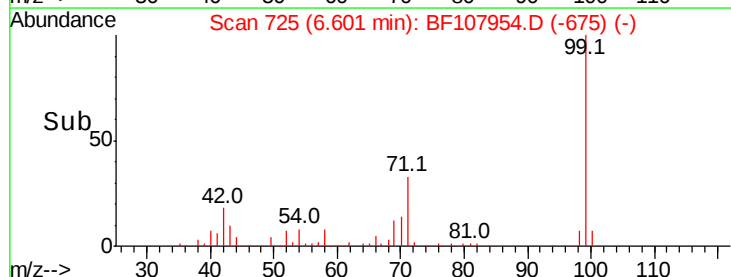
99 100

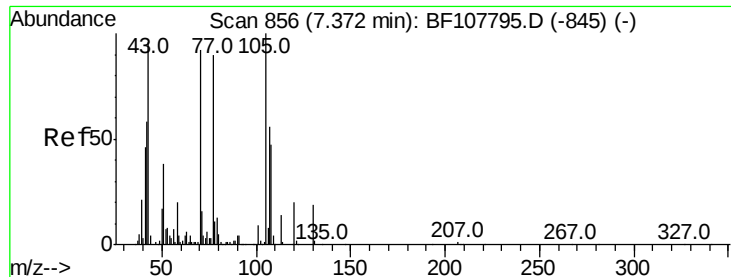
42 18.3 14.5 21.7

71 33.3 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

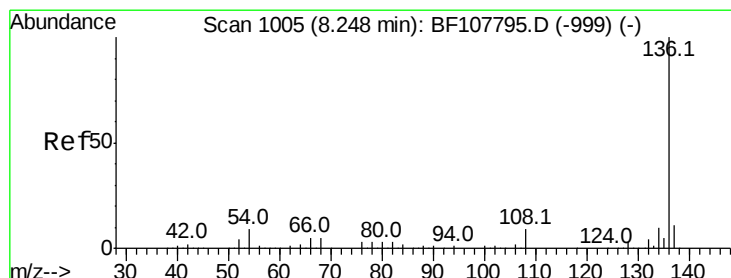
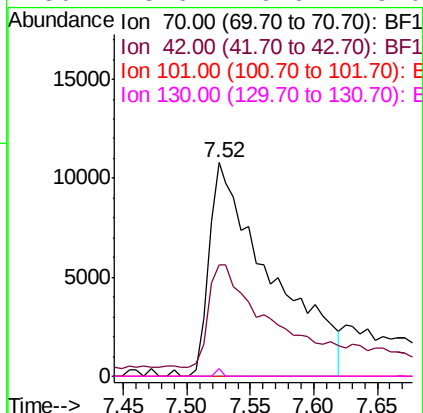
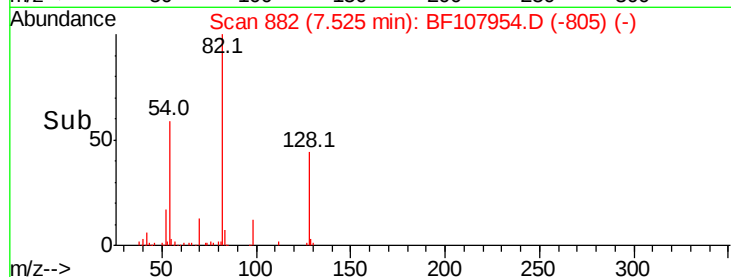
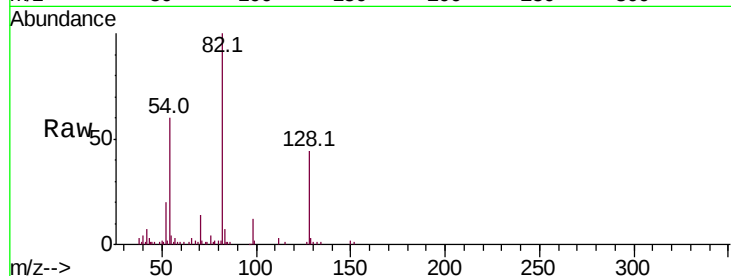




#19
n-Nitroso-di-n-propylamine
Concen: 7.584 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

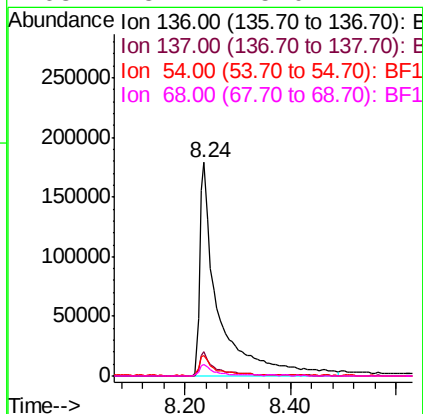
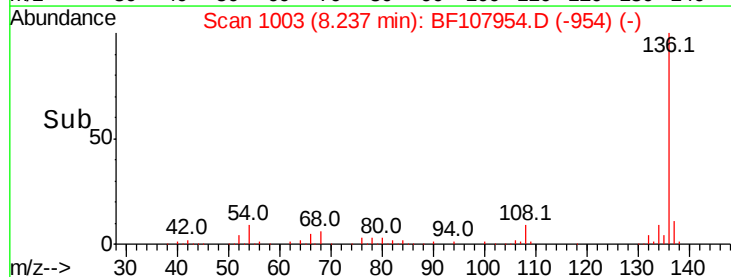
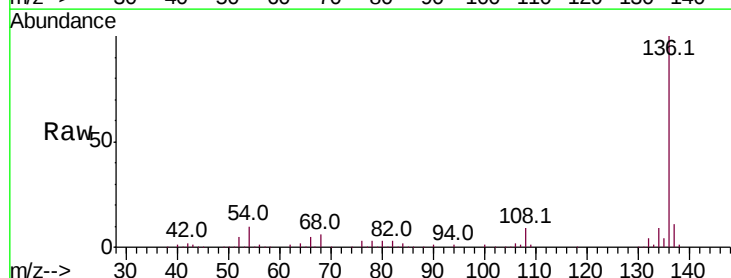
Instrument :
BNA_F
ClientSampleId :

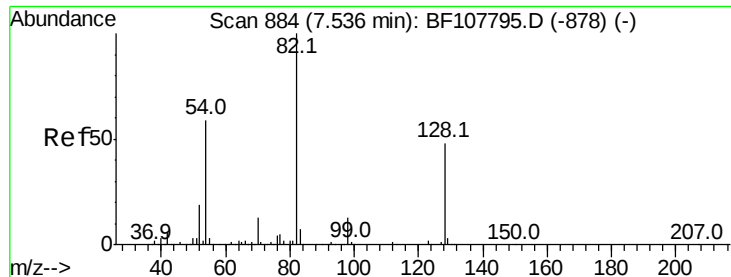
Tot Ion: 70 Resp: 36398
Ion Ratio Lower Upper
70 100
42 52.2 47.5 71.3
101 0.0 7.4 11.2#
130 3.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion: 136 Resp: 441828
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.5 6.6 9.8
68 5.7 5.0 7.4

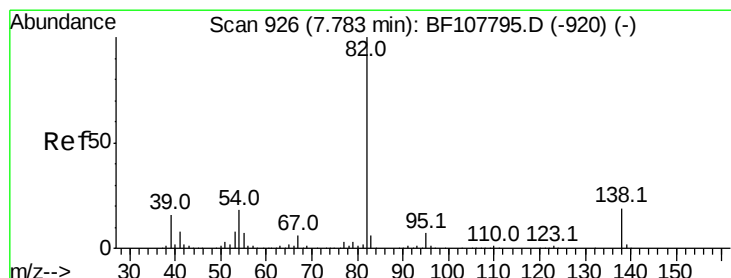
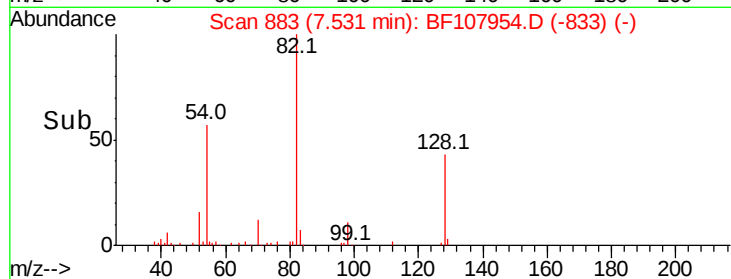
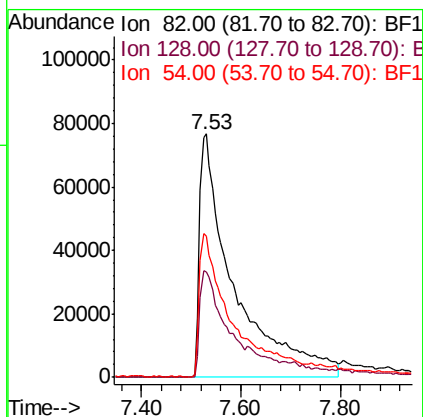
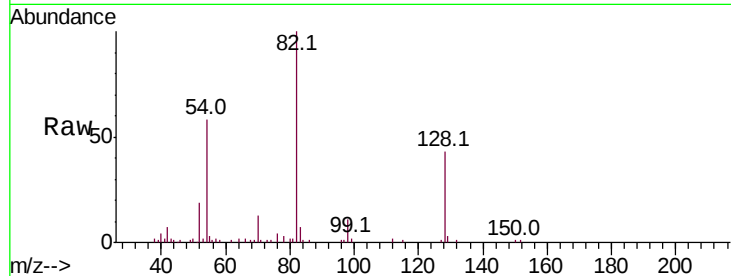




#23
Nitrobenzene-d5
Concen: 48.049 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

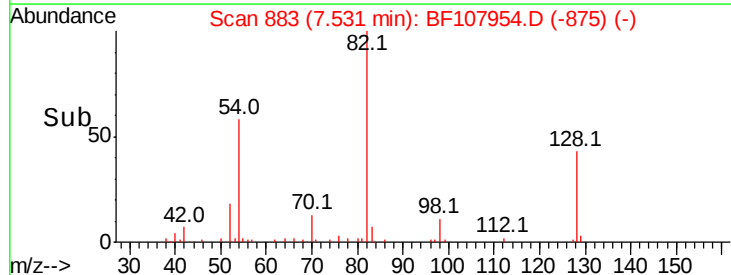
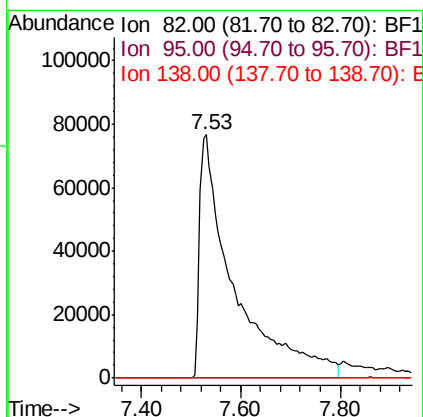
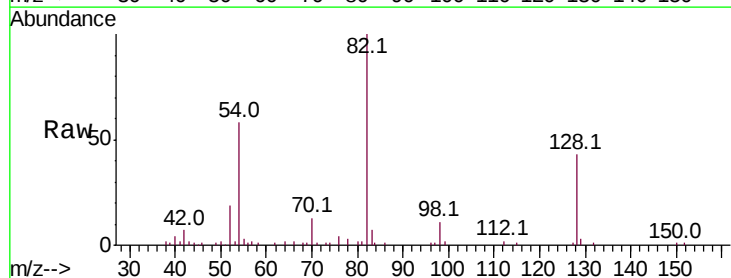
Instrument :
BNA_F
ClientSampled :

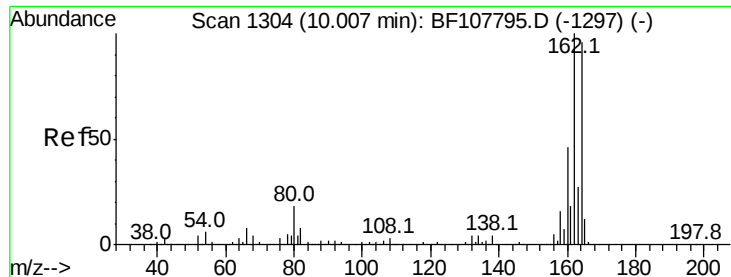
Tot Ion: 82 Resp: 368501
Ion Ratio Lower Upper
82 100
128 43.3 36.1 54.1
54 57.7 41.4 62.2



#25
Isophorone
Concen: 29.272 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion: 82 Resp: 368501
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

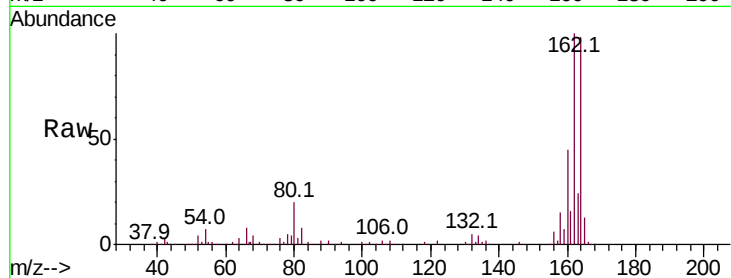




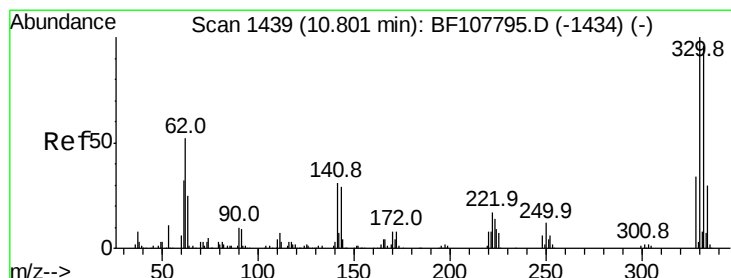
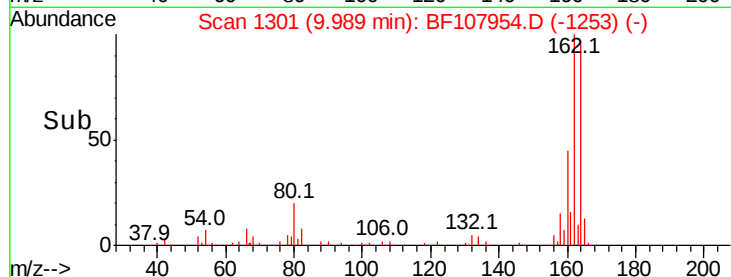
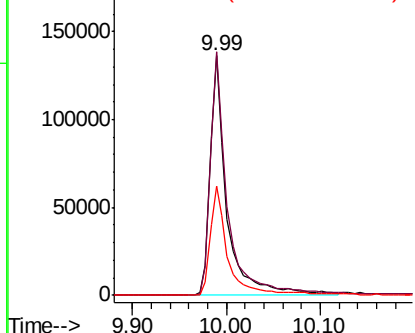
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.4	38.3	57.5

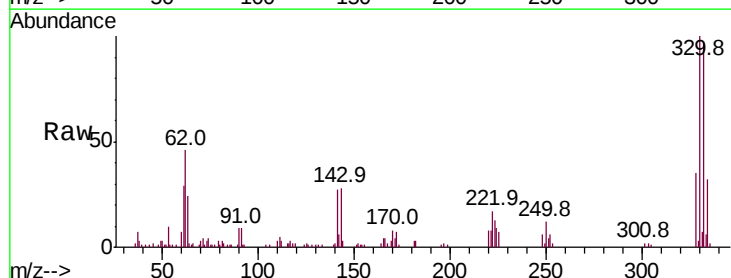


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

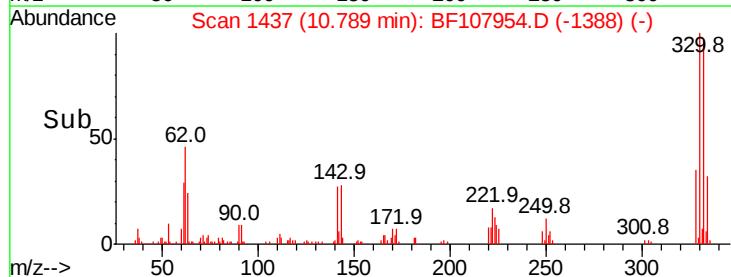
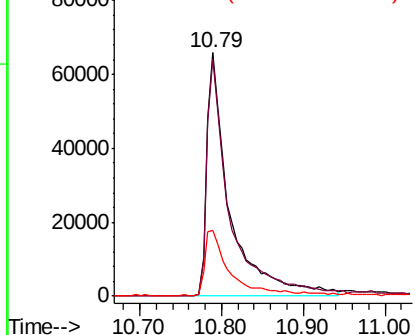


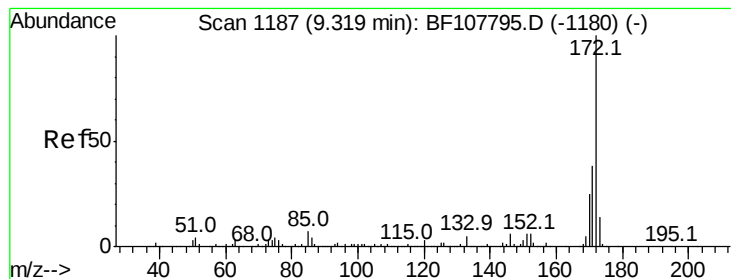
#41
 2,4,6-Tribromophenol
 Concen: 54.690 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	31.2	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

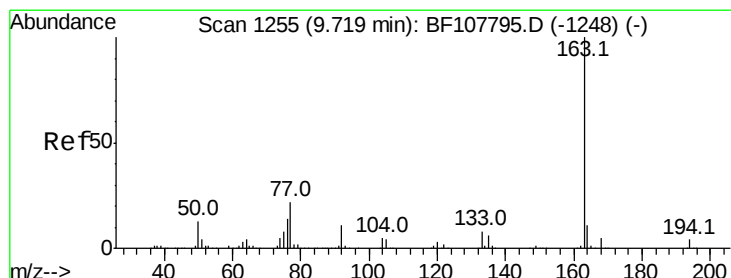
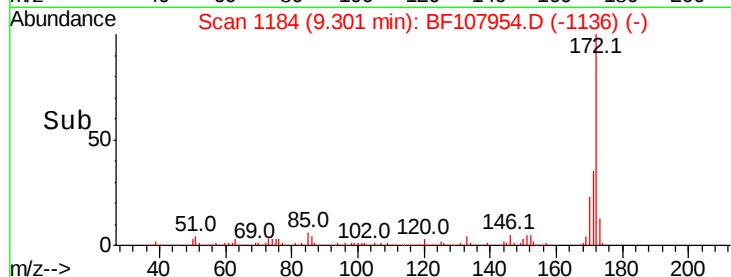
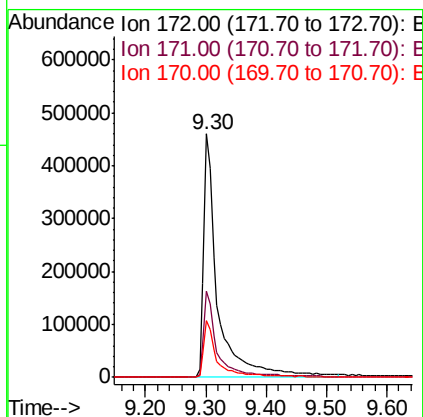
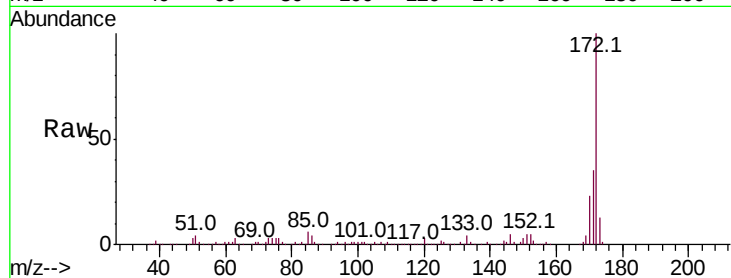




#44
2-Fluorobiphenyl
Concen: 60.241 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

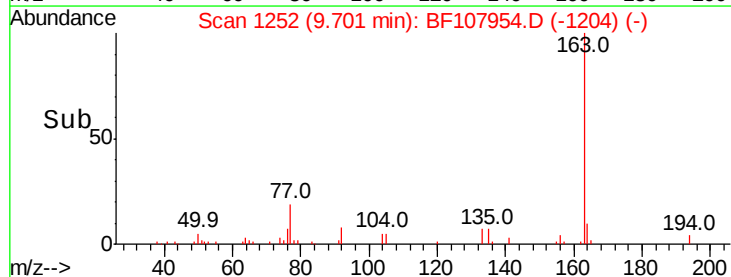
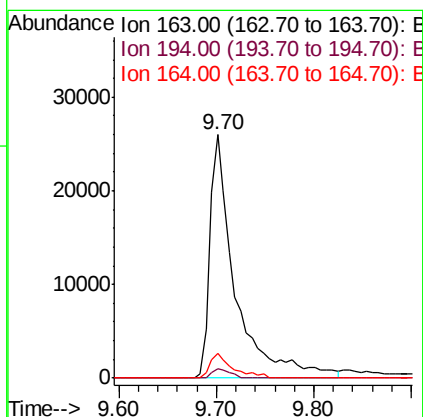
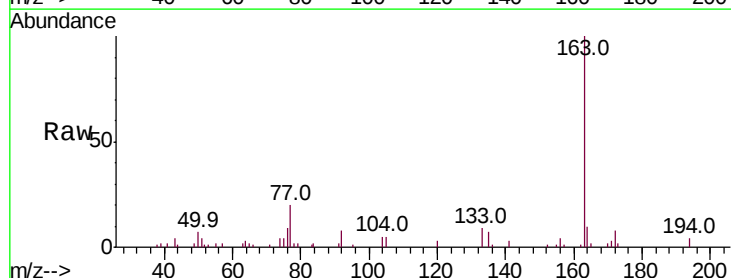
Instrument :
BNA_F
ClientSampleId :

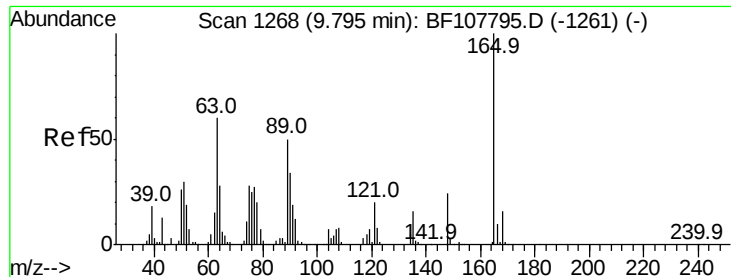
Tot Ion:172 Resp: 750411
Ion Ratio Lower Upper
172 100
171 35.4 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 3.608 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion:163 Resp: 47039
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 7.772 ng

RT: 9.99 min Scan# 1301

Delta R.T. 0.19 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

ClientSampleId :

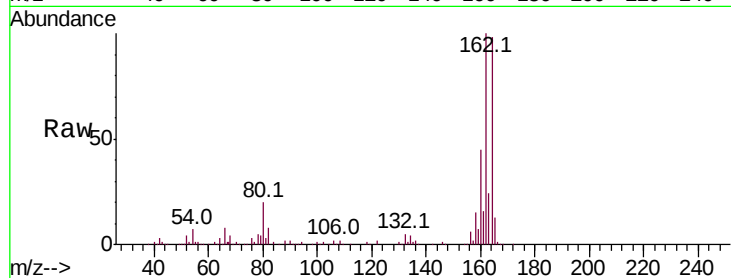
Tot Ion:165 Resp: 22019

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

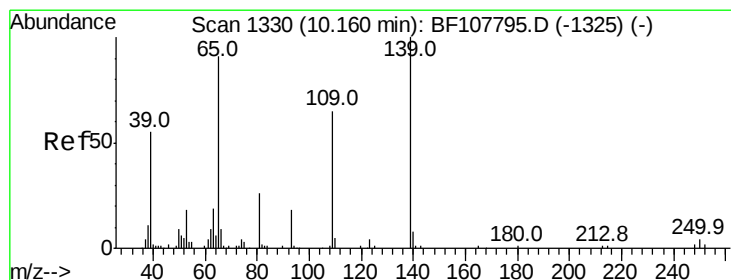
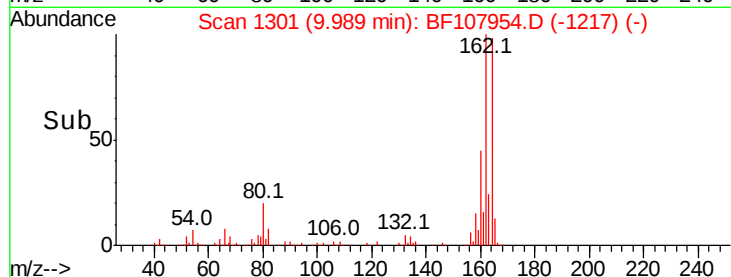
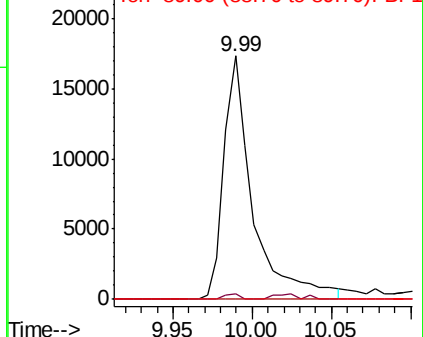
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#55

4-Nitrophenol

Concen: 10.510 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.05 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

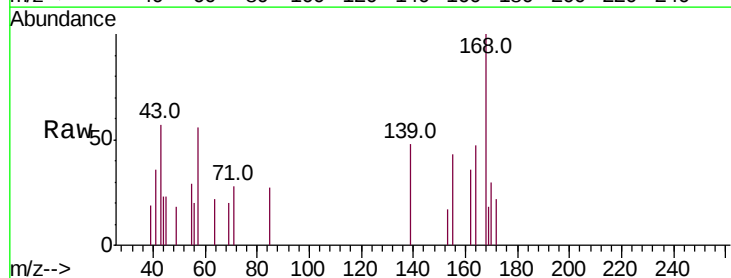
Tgt Ion:139 Resp: 2277

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

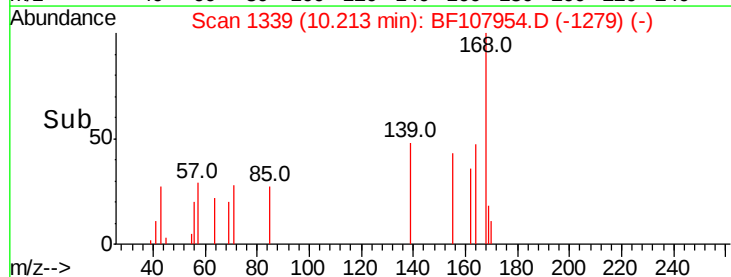
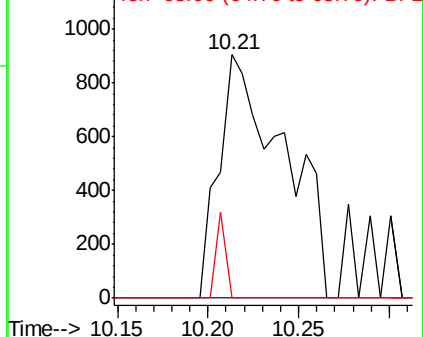
65 0.0 72.6 112.6#

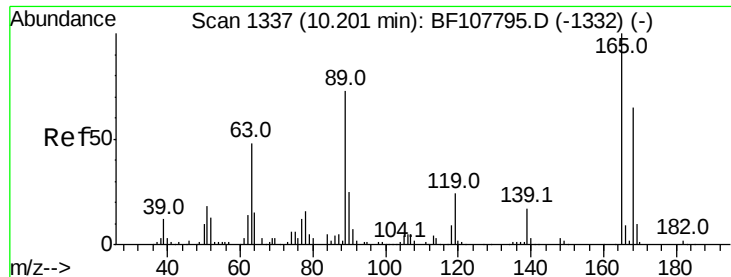


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

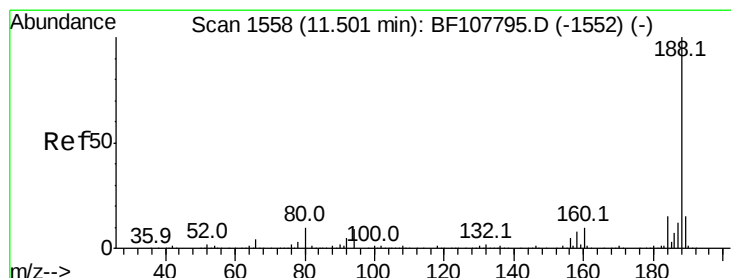
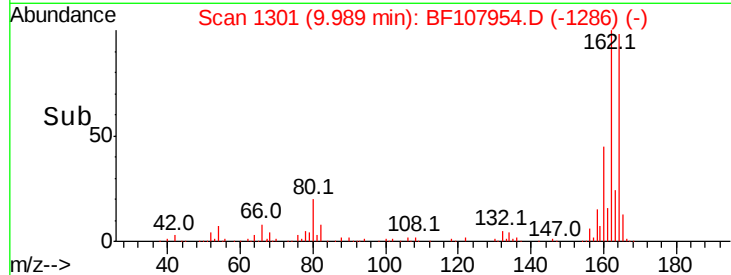
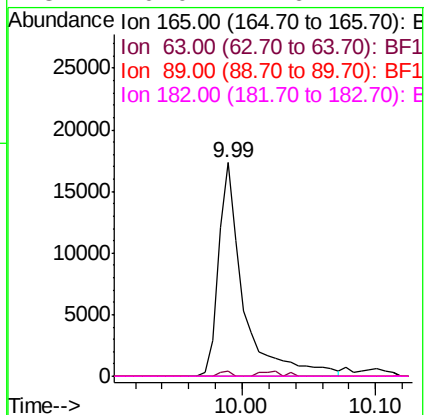
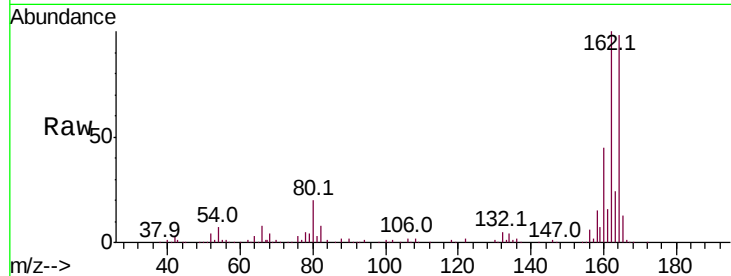




#56
 2,4-Dinitrotoluene
 Concen: 6.080 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

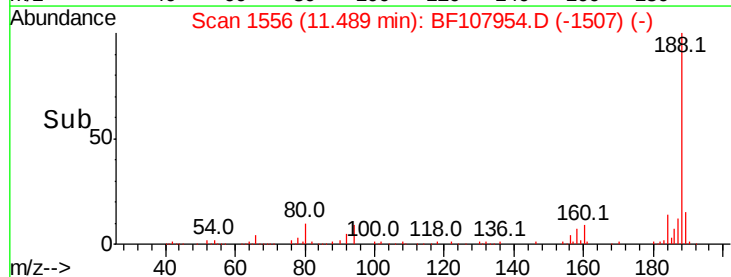
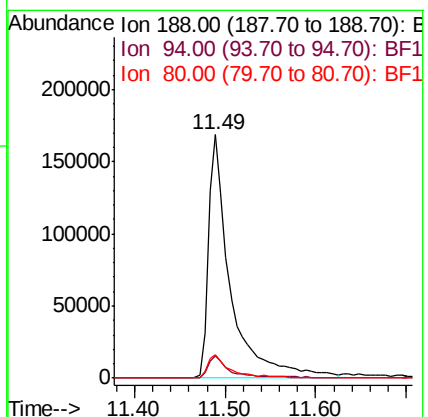
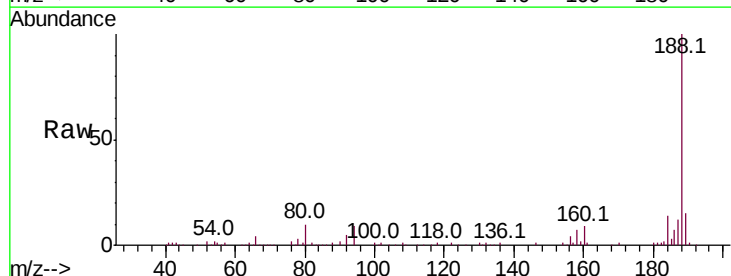
Instrument :
 BNA_F
 ClientSampleId :

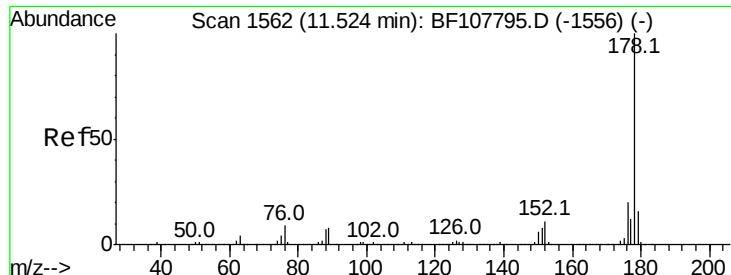
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8

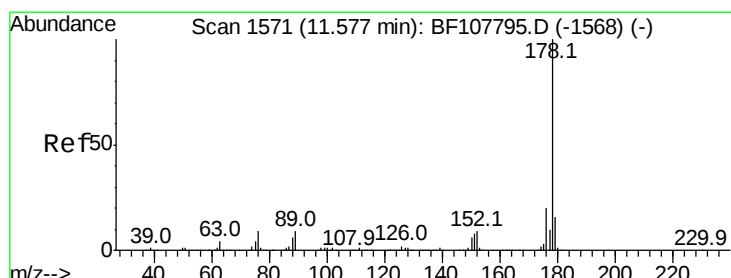
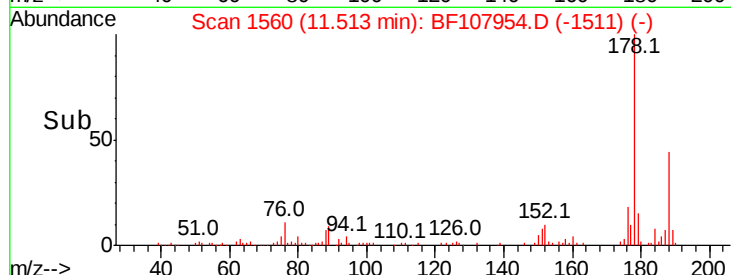
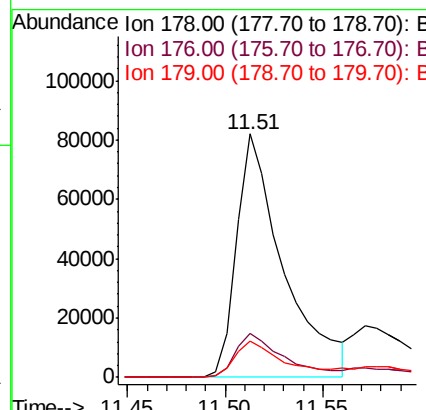
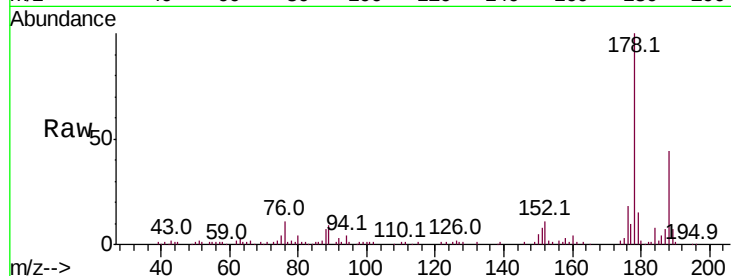




#70
Phenanthrene
Concen: 9.966 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

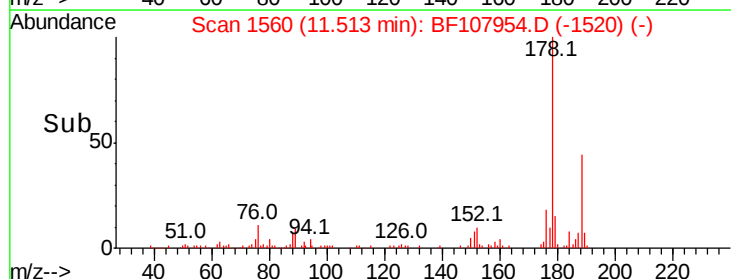
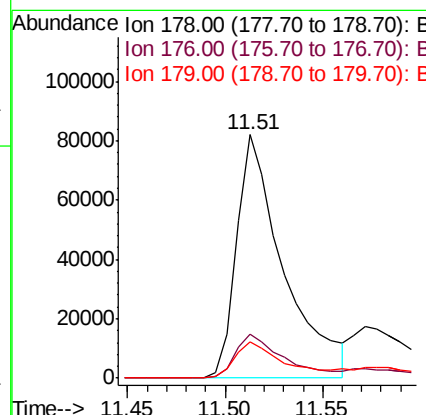
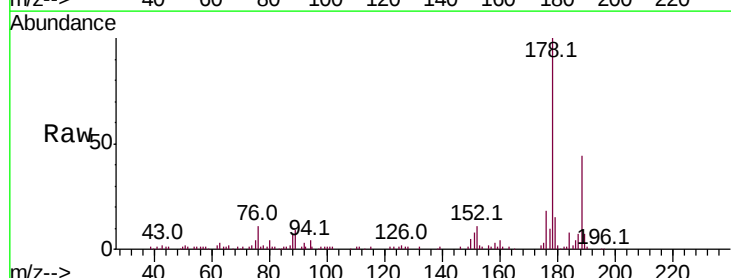
Instrument :
BNA_F
ClientSampled :

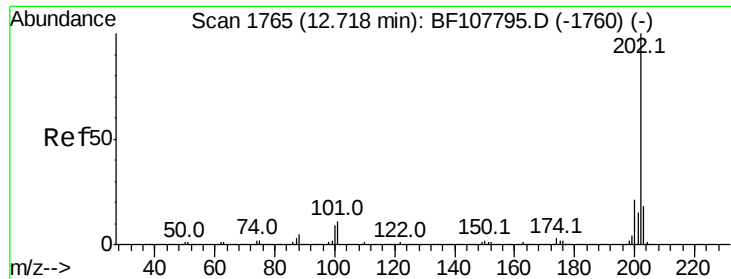
Tot Ion:178 Resp: 136491
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 8.640 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion:178 Resp: 136491
Ion Ratio Lower Upper
178 100
176 18.0 15.4 23.2
179 15.0 12.6 19.0

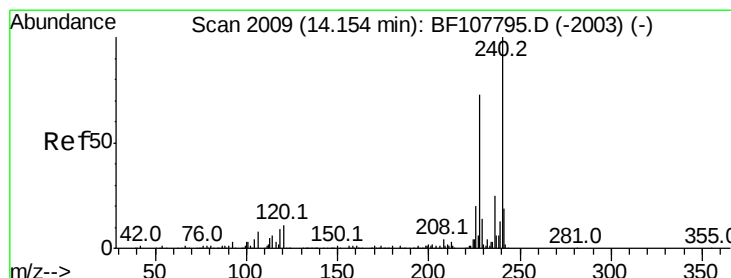
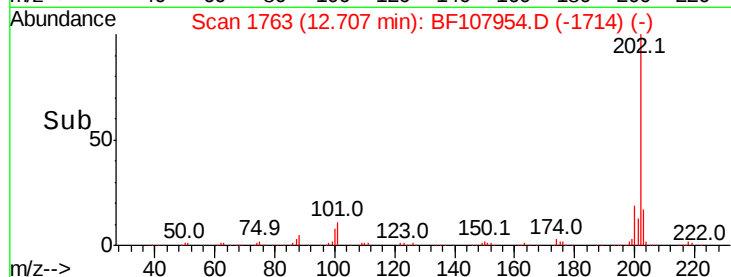
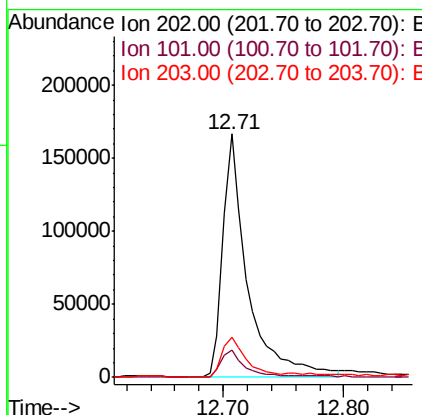
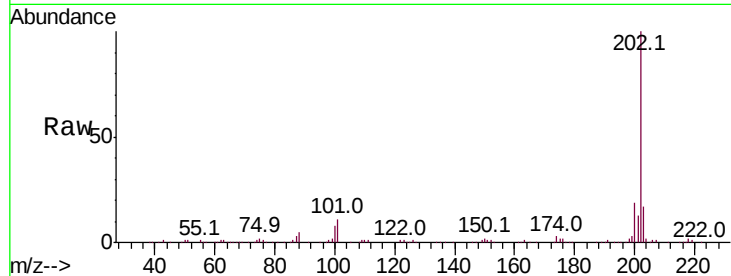




#74
 Fluoranthene
 Concen: 14.637 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

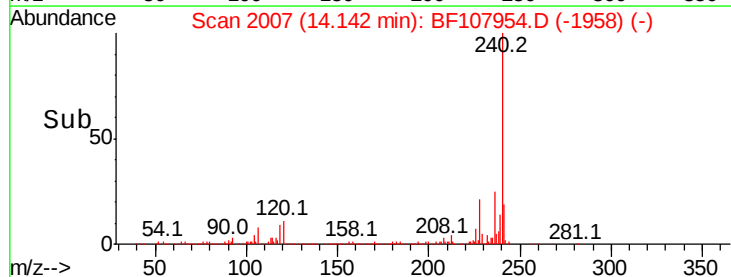
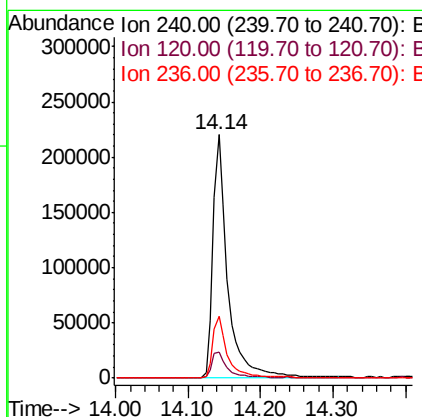
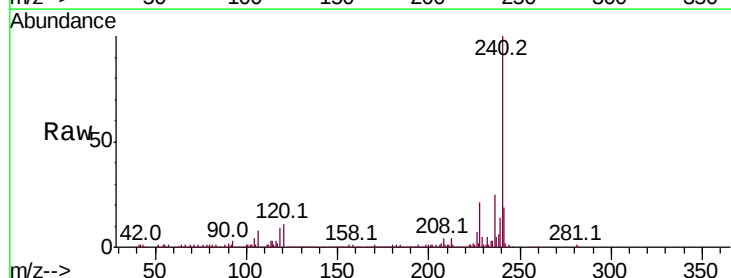
Instrument :
 BNA_F
 ClientSampleId :

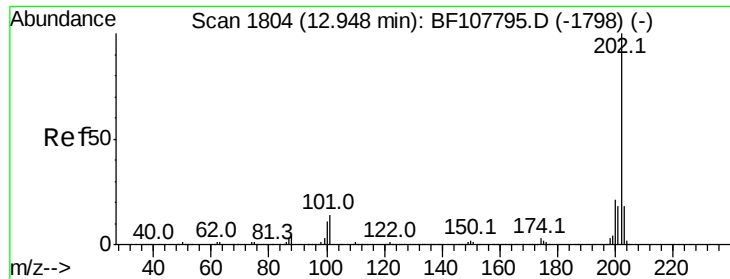
Tot Ion:	202	Resp:	235498
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	16.6	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion:	240	Resp:	315426
Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 9.609 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

ClientSampleId :

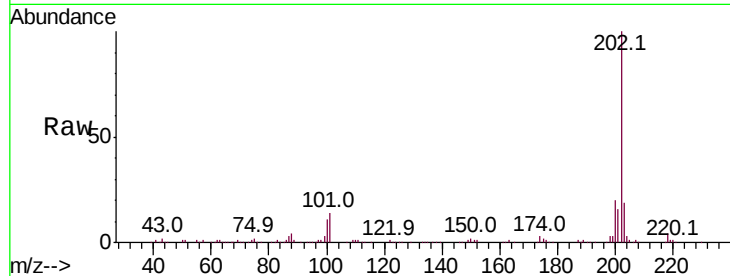
Tot Ion:202 Resp: 218259

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

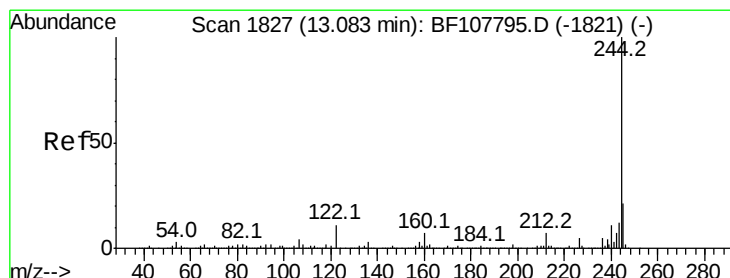
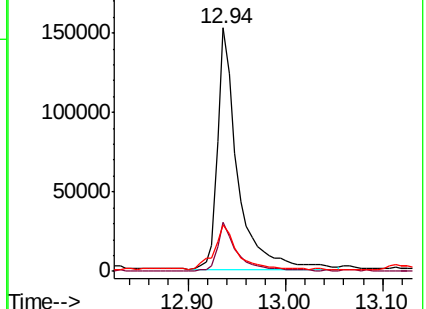
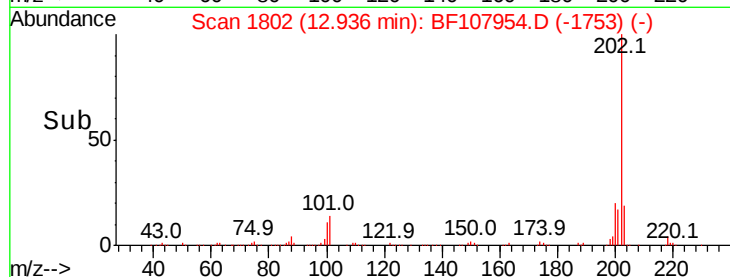
203 19.2 14.3 21.5



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: 44.653 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

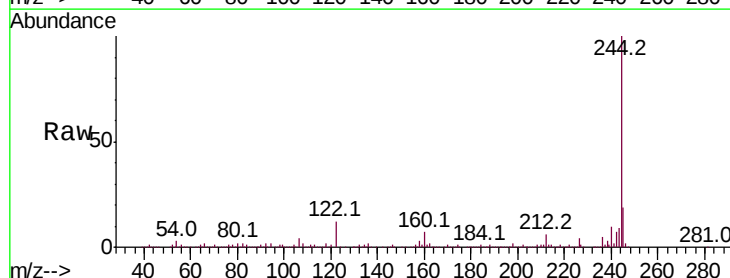
Tgt Ion:244 Resp: 649531

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

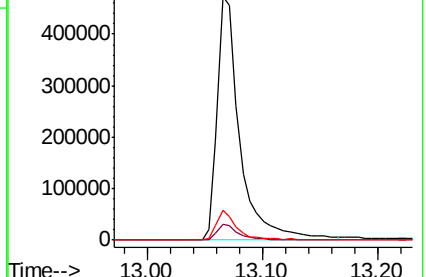
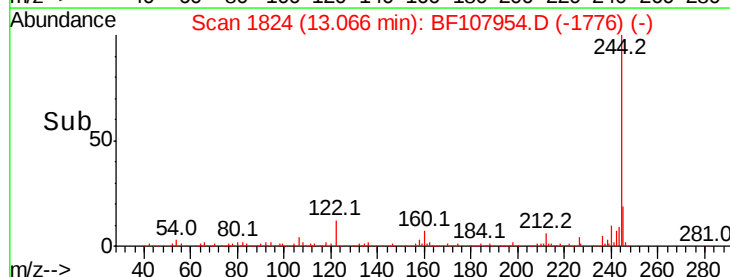
122 12.3 11.0 16.4

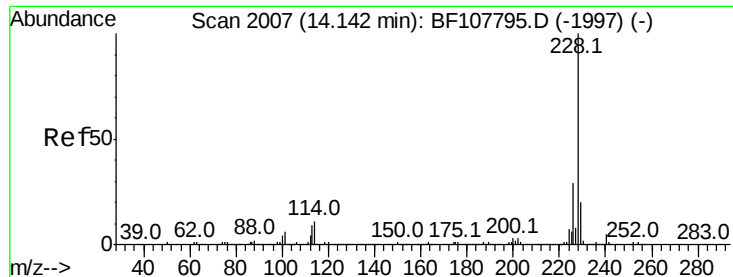


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

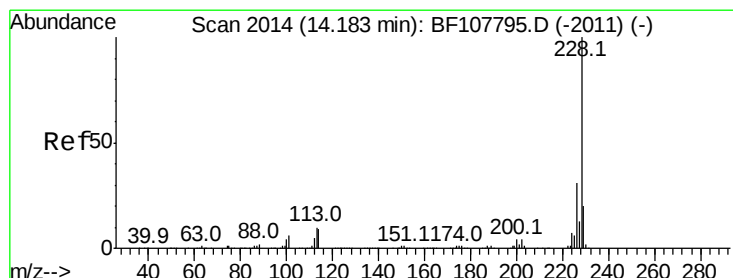
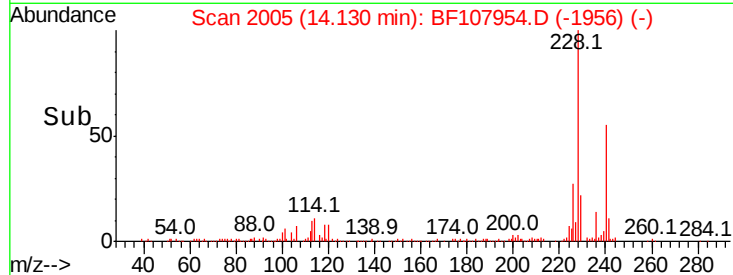
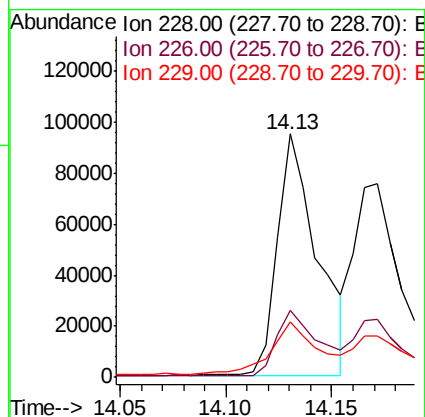
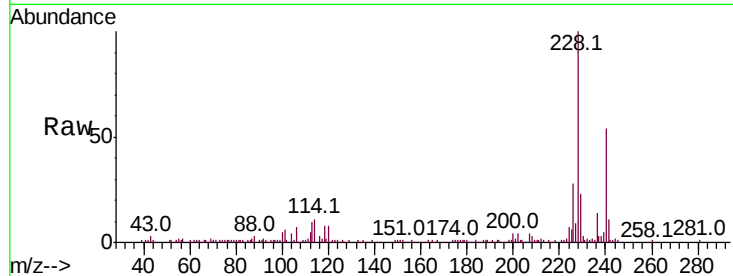




#80
Benzo(a)anthracene
Concen: 7.066 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

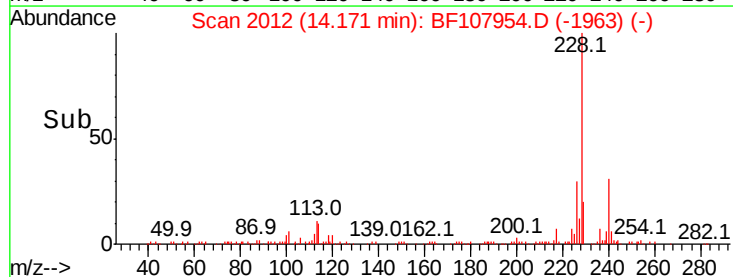
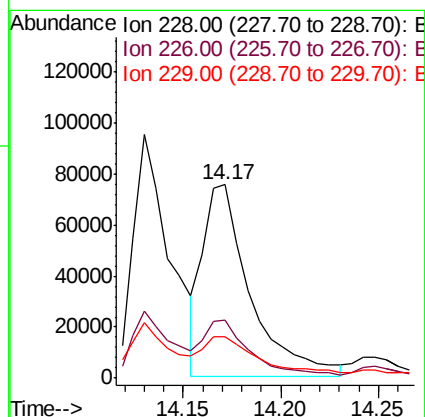
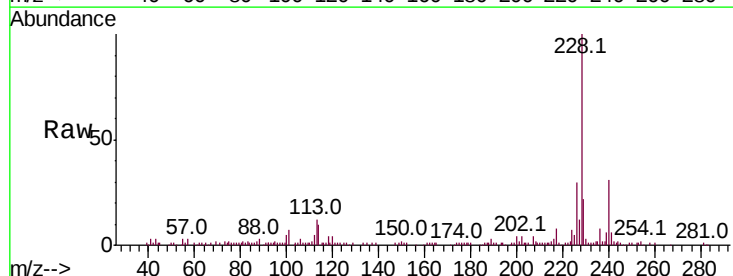
Instrument :
BNA_F
ClientSampleId :

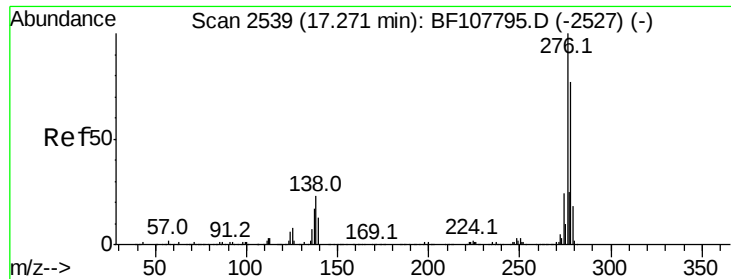
Tot Ion:228 Resp: 126255
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 22.9 15.8 23.6



#82
Chrysene
Concen: 6.574 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107954.D
Acq: 3 Aug 2018 22:43

Tgt Ion:228 Resp: 126689
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.6 16.2 24.4

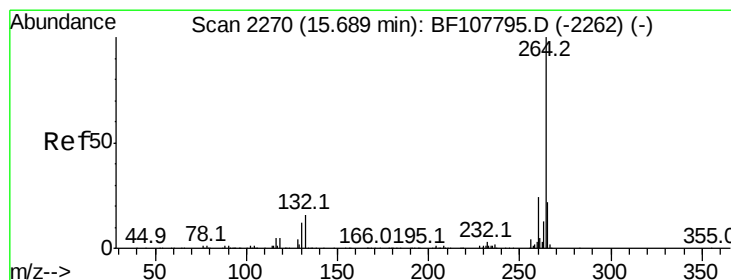
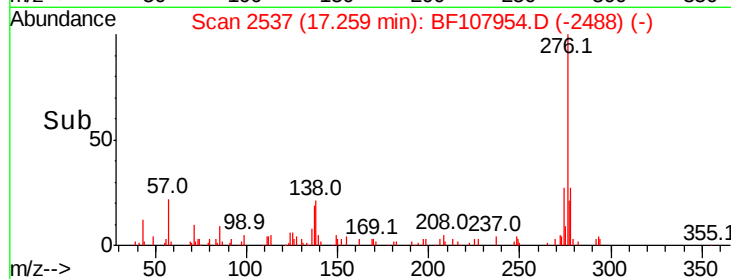
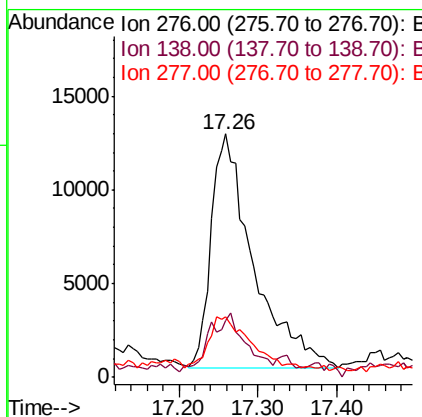
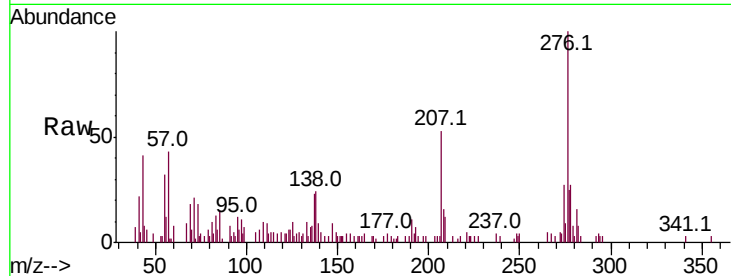




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.144 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

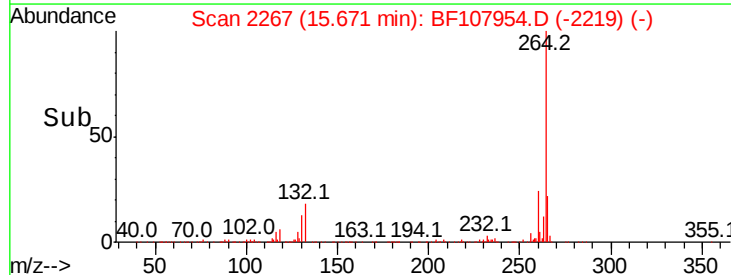
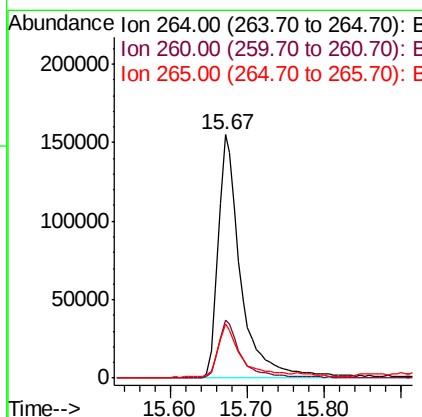
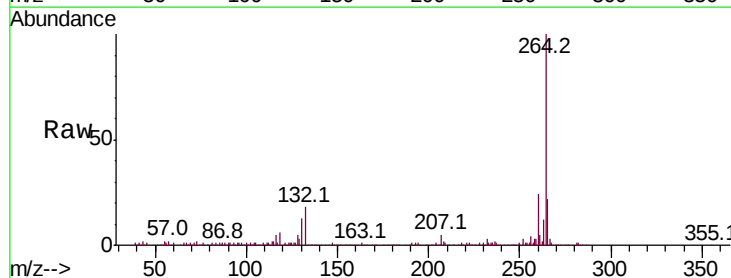
Instrument :
 BNA_F
 ClientSampleId :

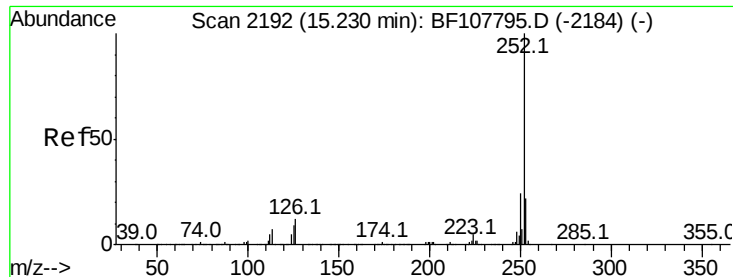
Tot Ion:276 Resp: 46083
 Ion Ratio Lower Upper
 276 100
 138 11.8 25.0 37.6#
 277 0.0 20.1 30.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF107954.D
 Acq: 3 Aug 2018 22:43

Tgt Ion:264 Resp: 314113
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 22.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 12.886 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

ClientSampleId :

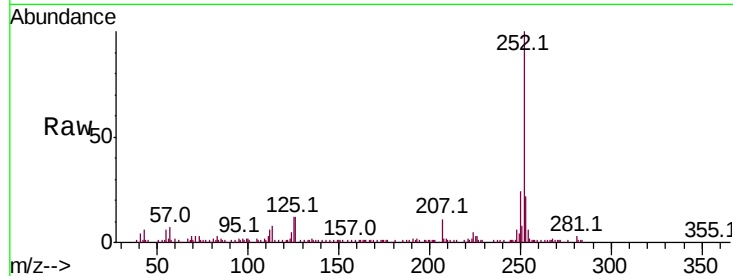
Tot Ion:252 Resp: 199624

Ion Ratio Lower Upper

252 100

253 21.7 17.0 25.6

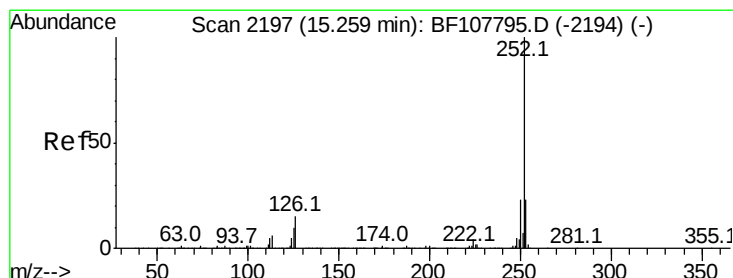
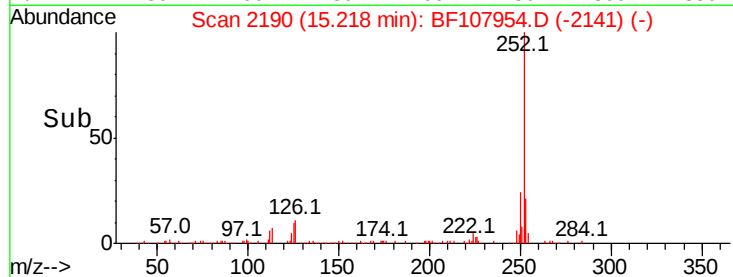
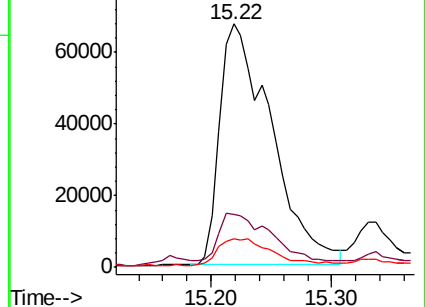
125 11.5 9.0 13.6



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: 10.495 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.04 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

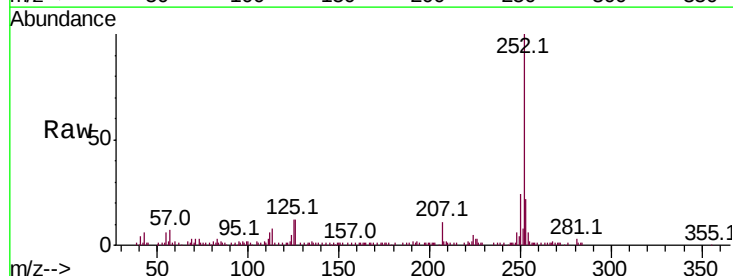
Tgt Ion:252 Resp: 199624

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

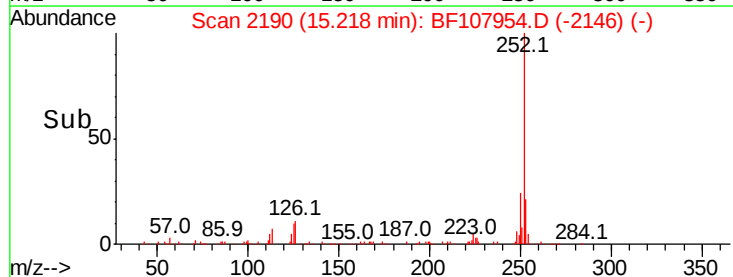
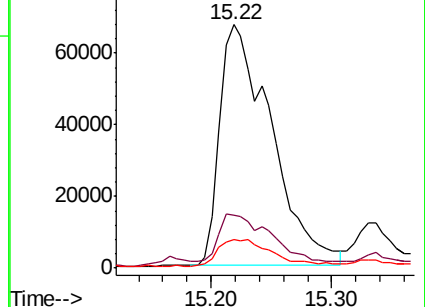
125 11.5 10.2 15.2

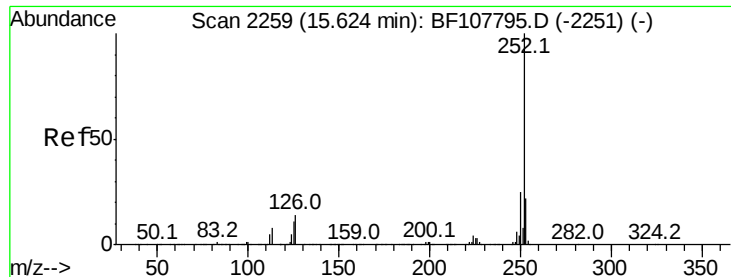


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.278 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

Instrument :

BNA_F

ClientSampleId :

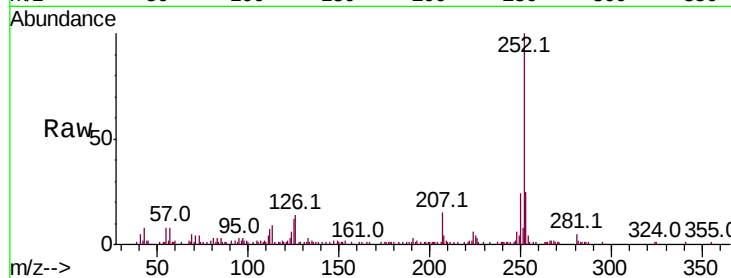
Tot Ion:252 Resp: 100411

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	12.3	9.8	14.6

252 100

253 24.6 17.1 25.7

125 12.3 9.8 14.6

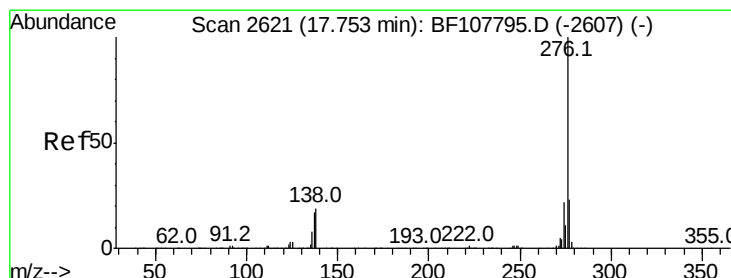
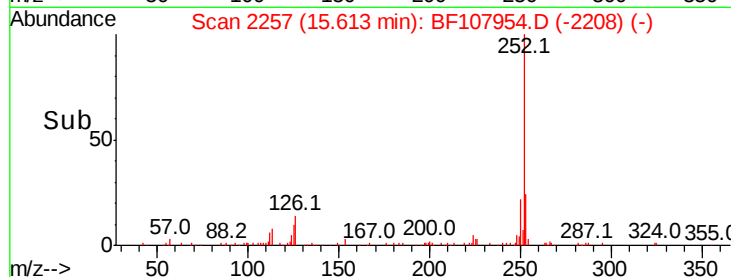
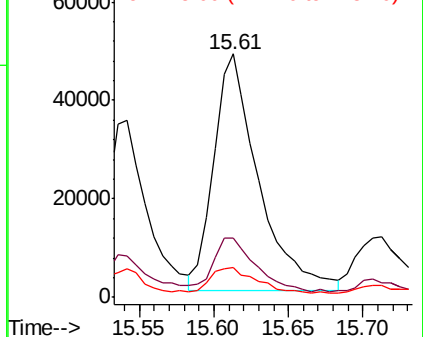


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 3.228 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.02 min

Lab File: BF107954.D

Acq: 3 Aug 2018 22:43

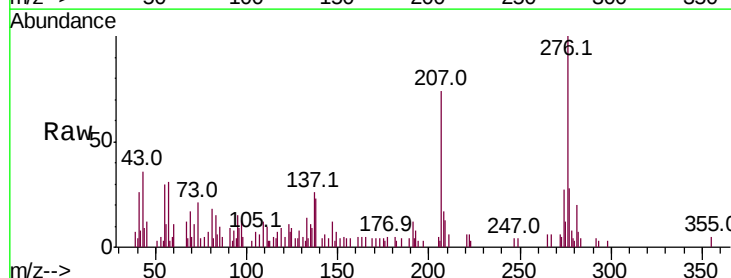
Tgt Ion:276 Resp: 43580

Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	23.3	21.8	32.8

276 100

277 28.2 17.9 26.9#

138 23.3 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

