

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107951.D
 Acq On : 3 Aug 2018 21:22
 Operator : JU/SJ
 Sample : J4318-09 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 23:00:44 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

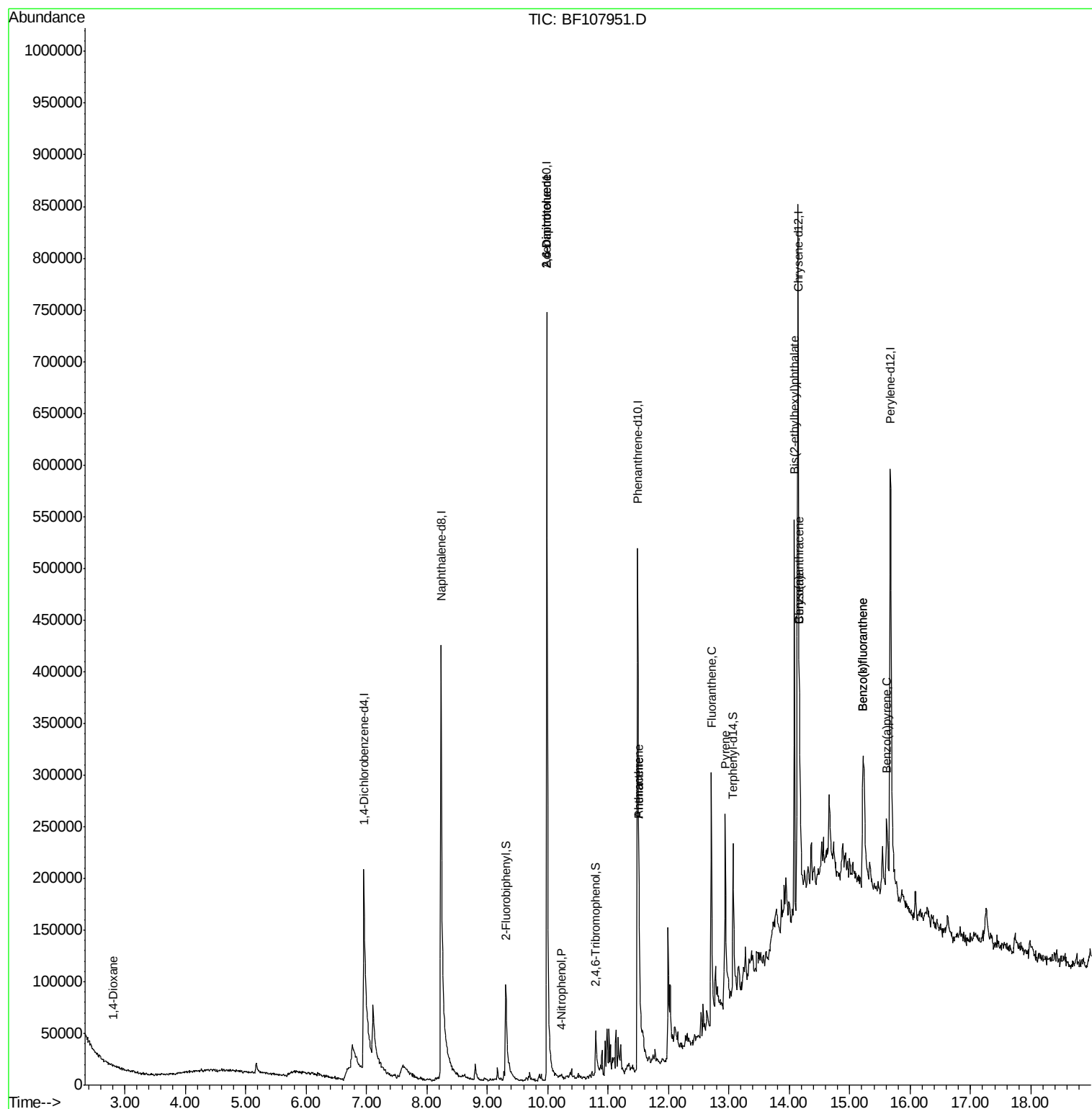
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	90462	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	496712	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	210273	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	355978	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	324642	20.00	ng	-0.01
86) Perylene-d12	15.67	264	333173	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	408	0.08	ng	0.26
7) Phenol-d6	6.70	99	12726	1.81	ng	0.09
23) Nitrobenzene-d5	7.60	82	9003	1.04	ng	0.06
41) 2,4,6-Tribromophenol	10.80	330	15655	5.48	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	86889	5.76	ng	-0.01
78) Terphenyl-d14	13.07	244	80621	5.39	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.80	88	586	6.000	ng	# 62
50) 2,6-Dinitrotoluene	9.99	165	24433	7.120	ng	# 25
55) 4-Nitrophenol	10.22	139	259	9.425	ng	# 64
56) 2,4-Dinitrotoluene	9.99	165	25411	5.634	ng	# 22
70) Phenanthrene	11.51	178	39652	2.346	ng	96
71) Anthracene	11.51	178	39652	2.034	ng	95
74) Fluoranthene	12.71	202	153516	7.731	ng	96
77) Pyrene	12.94	202	119510	5.112	ng	98
80) Benzo(a)anthracene	14.17	228	74888	4.072	ng	93
82) Chrysene	14.17	228	74888	3.776	ng	97
83) Bis(2-ethylhexyl)phthalate	14.08	149	104628	8.130	ng	97
87) Benzo(b)fluoranthene	15.22	252	131575	8.007	ng	# 93
88) Benzo(k)fluoranthene	15.22	252	131575	6.522	ng	# 96
89) Benzo(a)pyrene	15.61	252	59723	3.521	ng	96

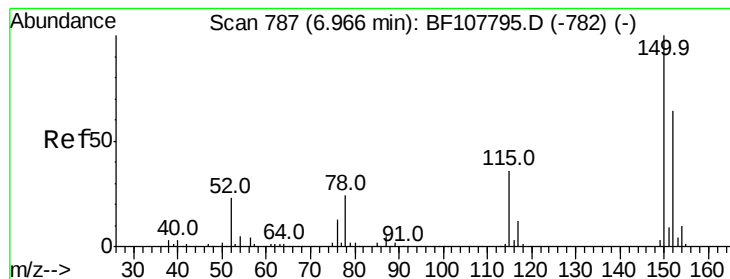
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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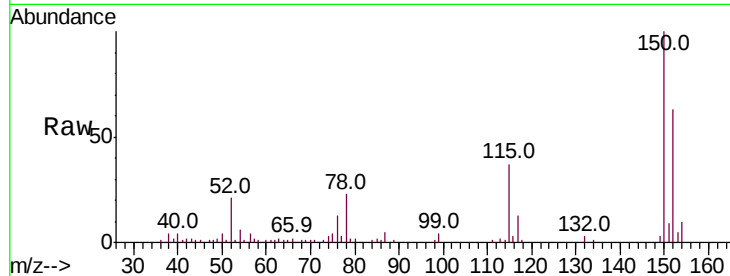


#1

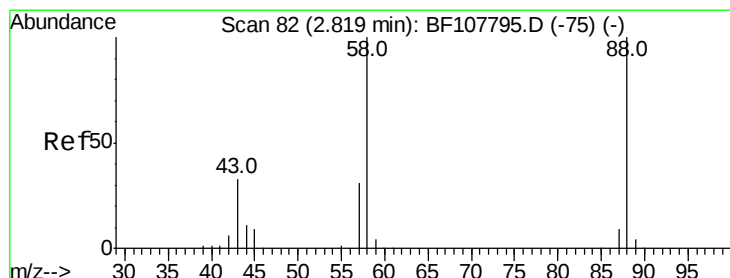
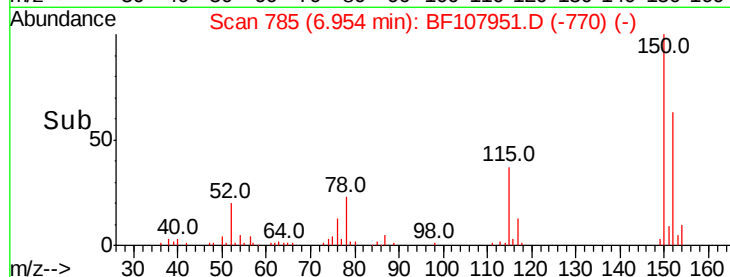
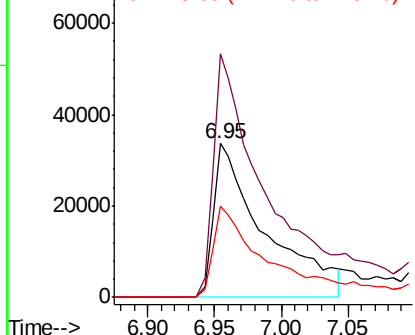
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 90462
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 59.2 50.1 75.1



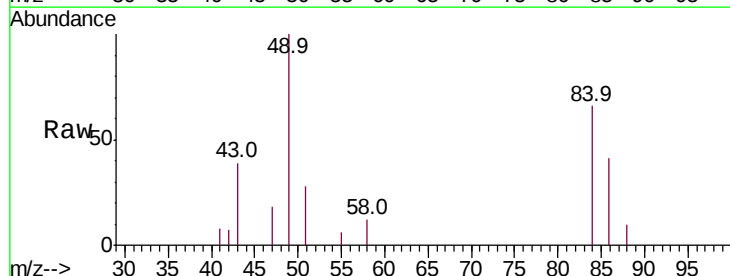
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



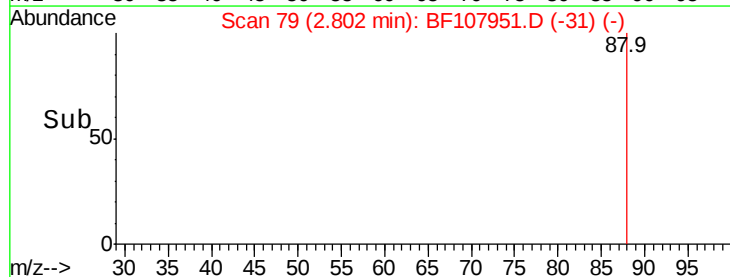
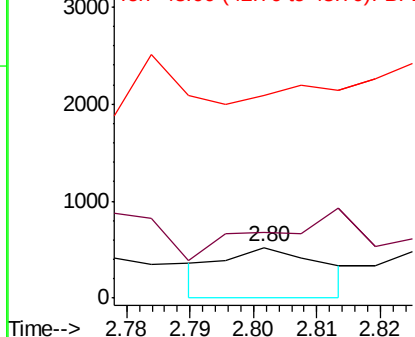
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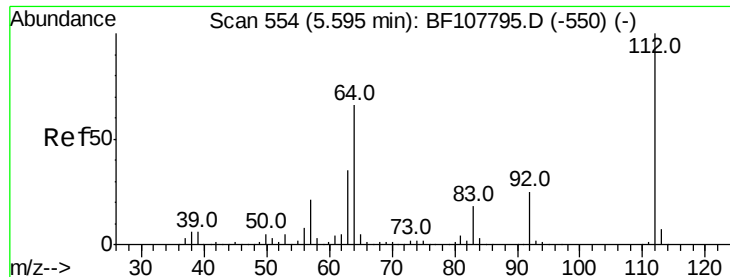
1,4-Dioxane
 Concen: 6.000 ng
 RT: 2.80 min Scan# 79
 Delta R.T. -0.02 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

Tgt Ion: 88 Resp: 586
 Ion Ratio Lower Upper
 88 100
 58 104.8 62.6 93.8#
 43 0.0 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: 0.077 ng

RT: 5.85 min Scan# 598

Delta R.T. 0.26 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

Instrument :
BNA_F
ClientSampled :

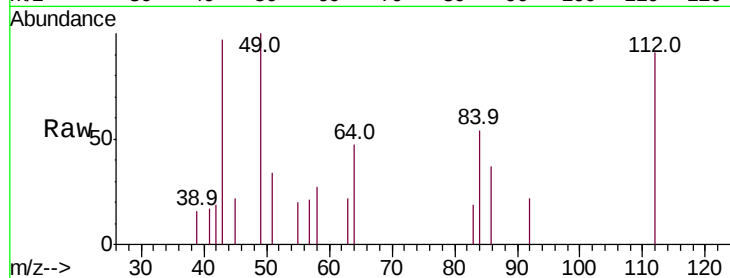
Tot Ion:112 Resp: 408

Ion Ratio Lower Upper

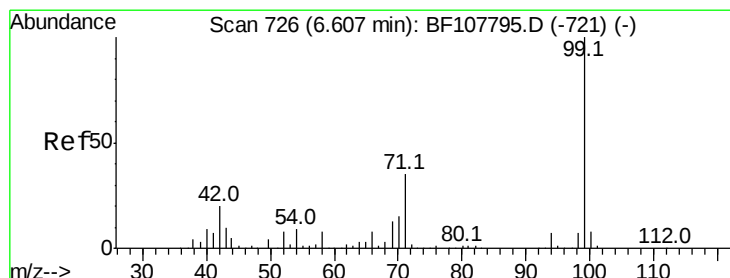
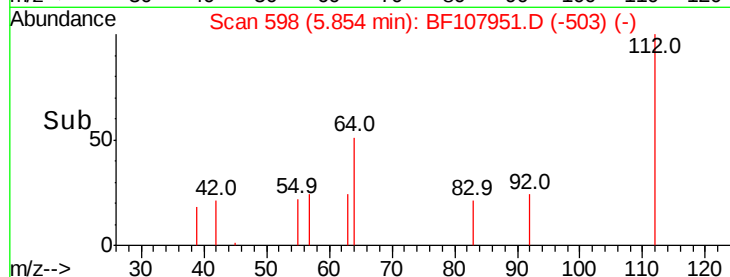
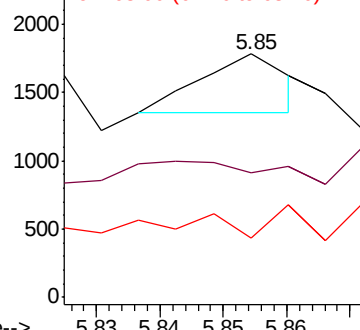
112 100

64 51.4 47.9 71.9

63 24.5 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: 1.814 ng

RT: 6.70 min Scan# 742

Delta R.T. 0.09 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

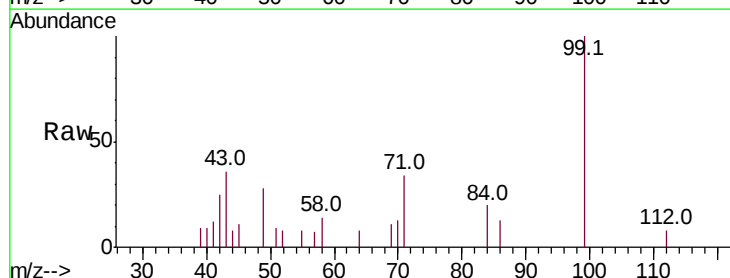
Tgt Ion: 99 Resp: 12726

Ion Ratio Lower Upper

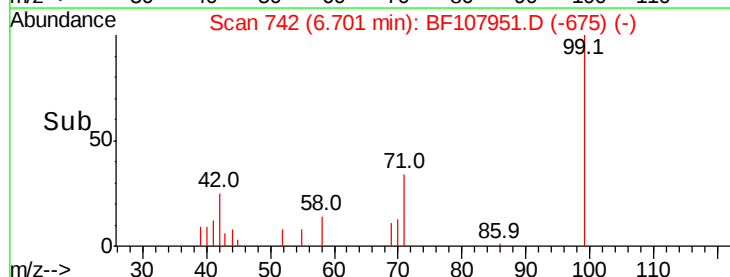
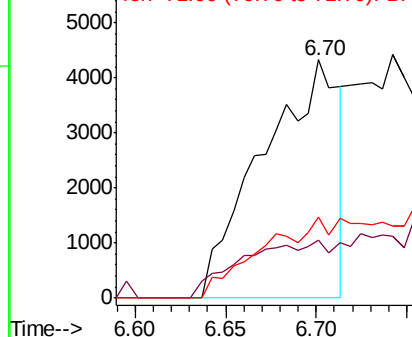
99 100

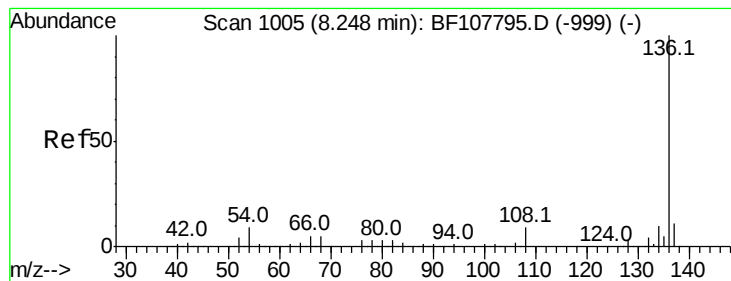
42 24.6 14.5 21.7#

71 34.1 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 496712

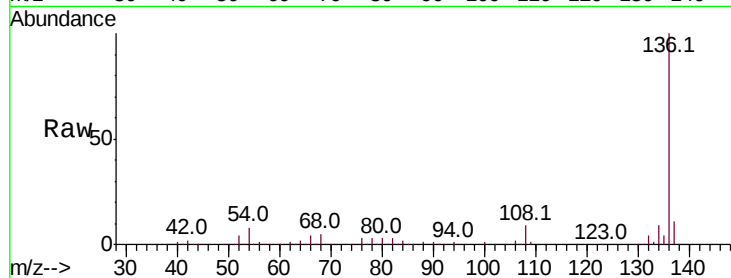
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.4 6.6 9.8

68 5.3 5.0 7.4

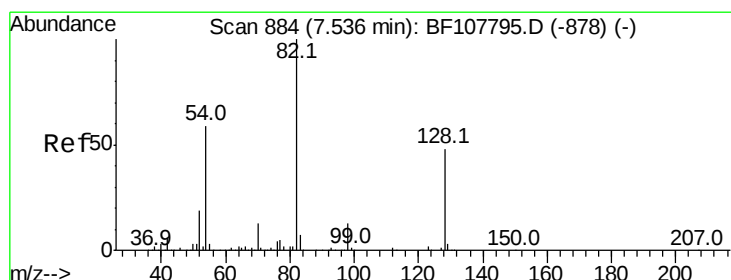
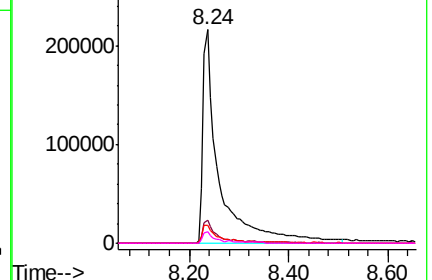
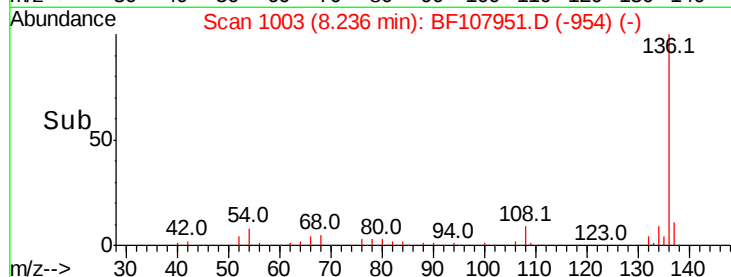


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.044 ng

RT: 7.60 min Scan# 894

Delta R.T. 0.06 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

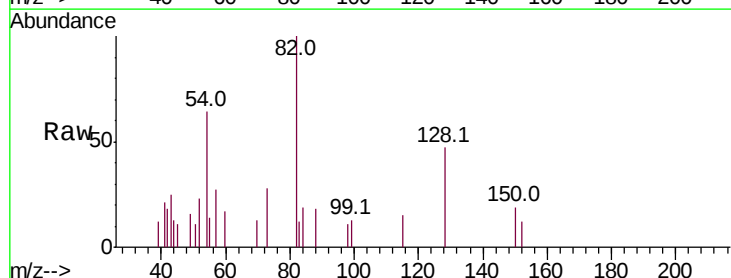
Tgt Ion: 82 Resp: 9003

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

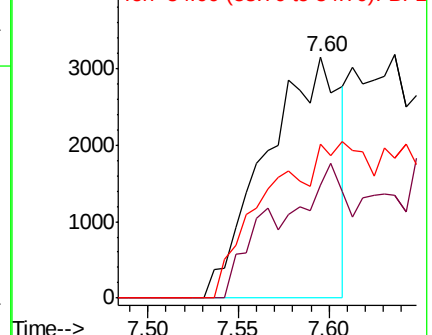
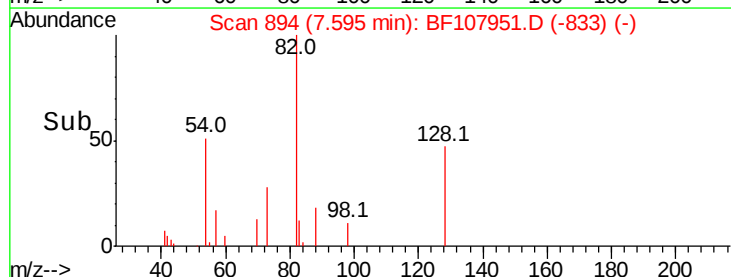
54 63.8 41.4 62.2#

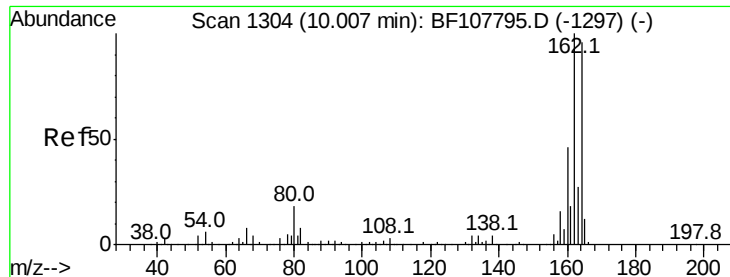


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

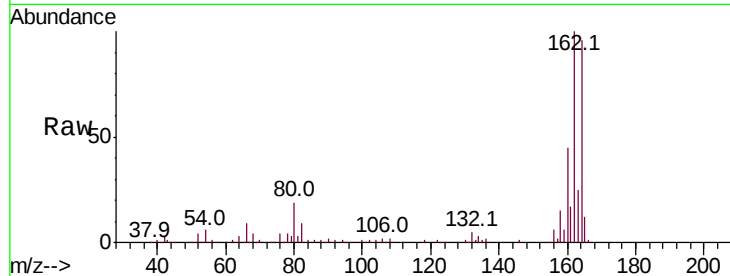




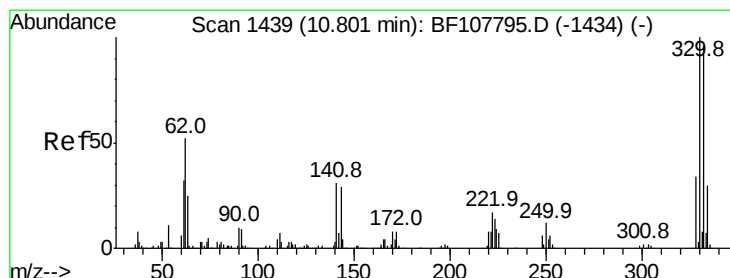
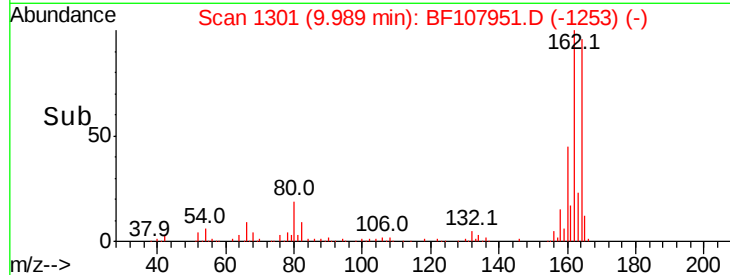
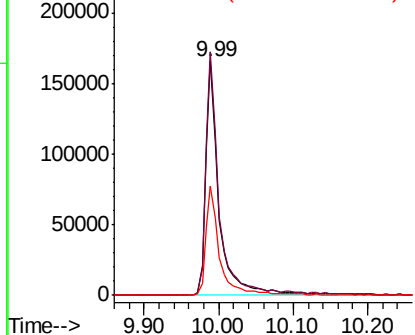
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 210273
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 46.5 38.3 57.5

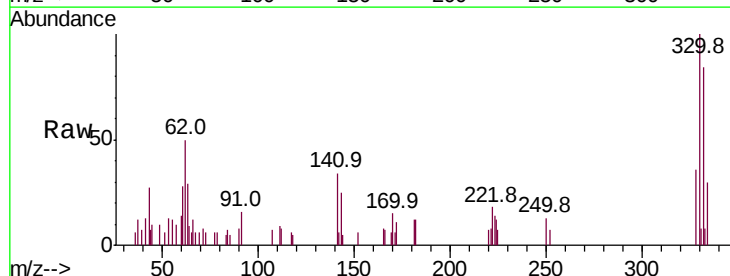


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

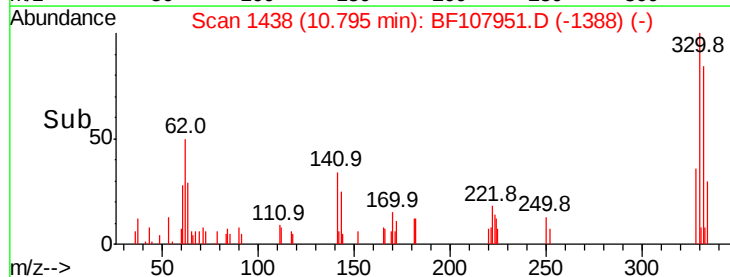
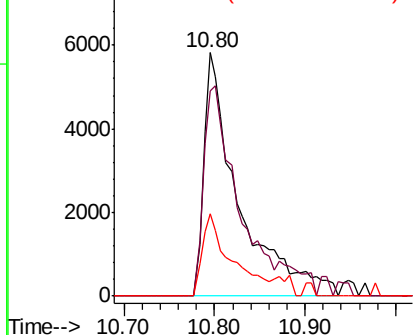


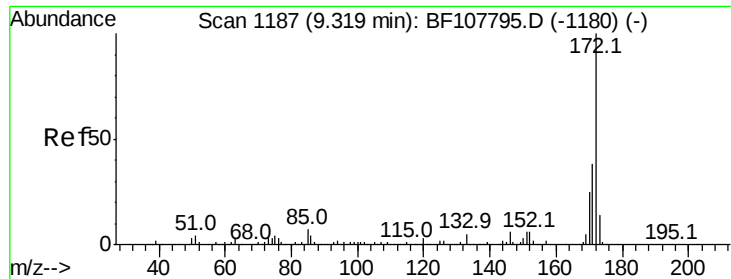
#41
2,4,6-Tribromophenol
Concen: 5.479 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Tgt Ion:330 Resp: 15655
Ion Ratio Lower Upper
330 100
332 81.2 77.0 115.6
141 28.2 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

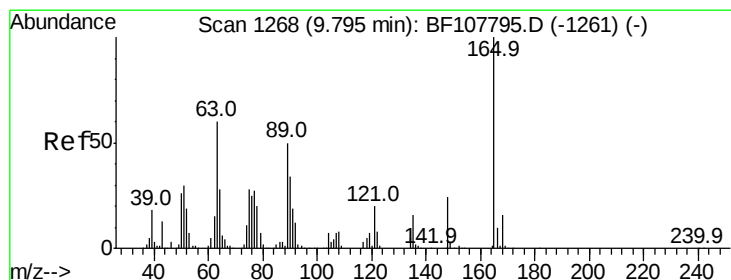
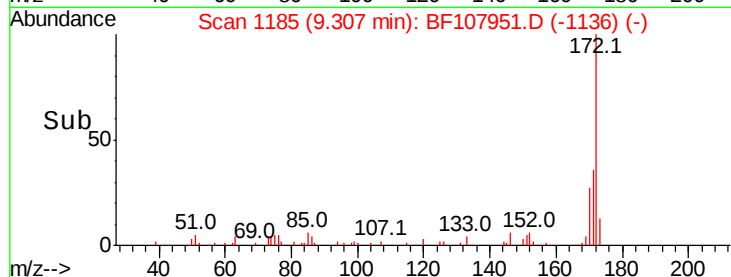
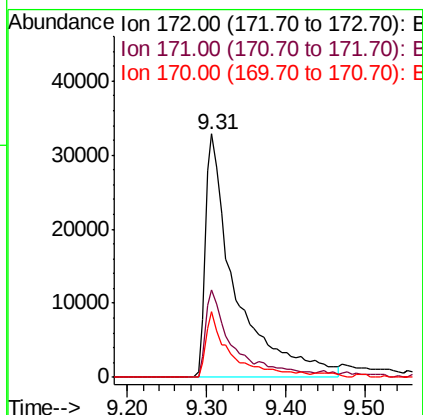
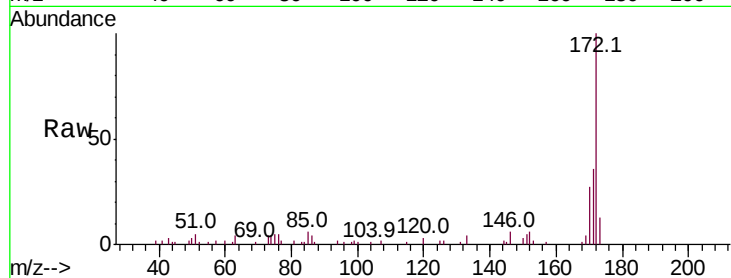




#44
 2-Fluorobiphenyl
 Concen: 5.758 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

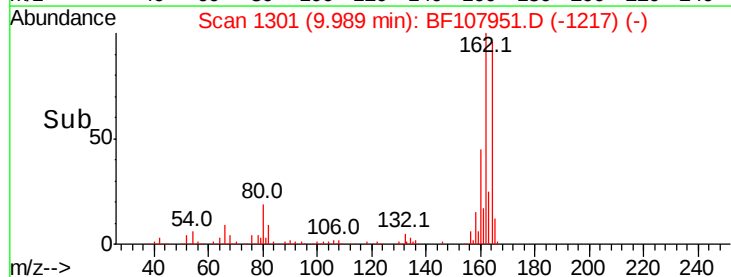
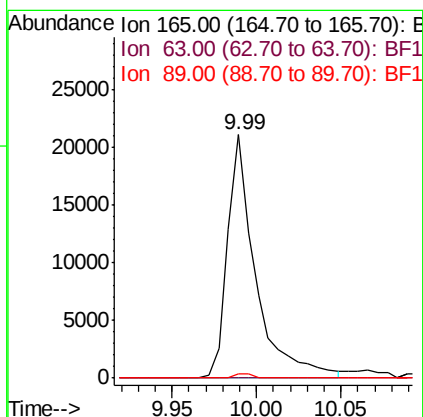
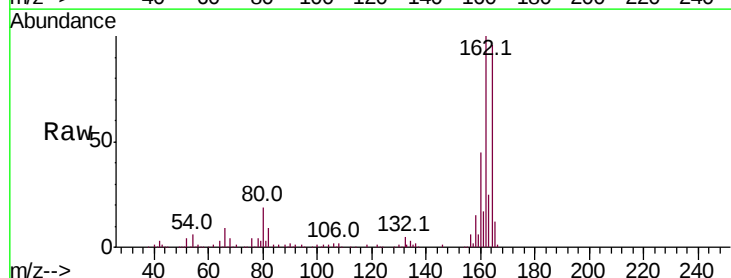
Instrument :
 BNA_F
 ClientSampleId :

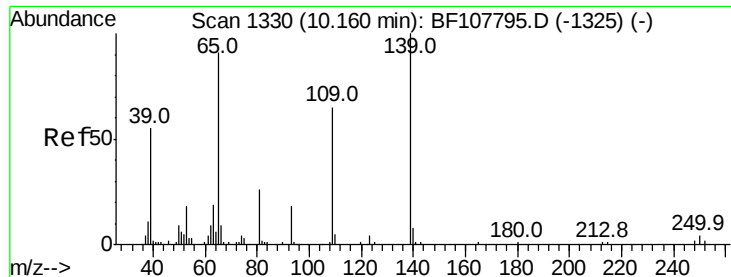
Tot Ion:172 Resp: 86889
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 27.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.120 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. 0.19 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

Tgt Ion:165 Resp: 24433
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.5 44.0 66.0#

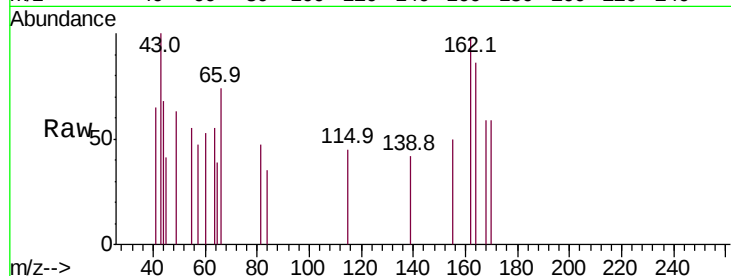




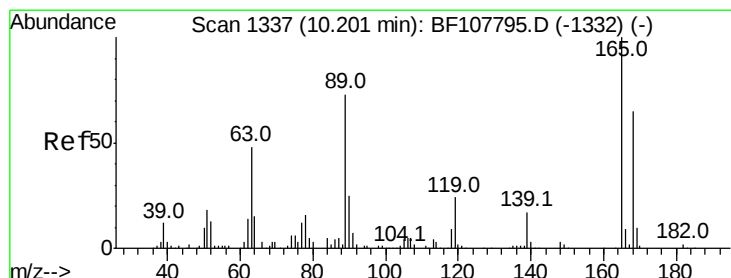
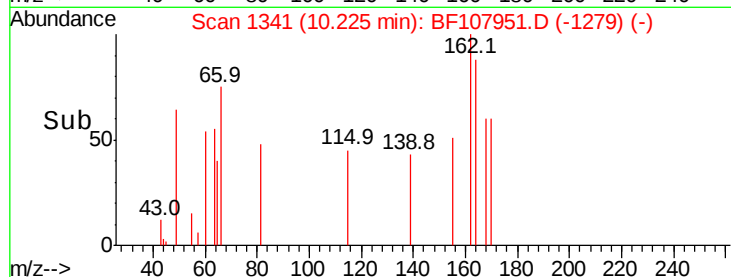
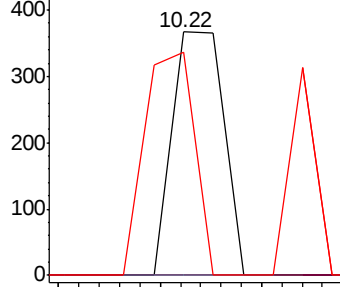
#55
4-Nitrophenol
Concen: 9.425 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 259
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 91.8 72.6 112.6

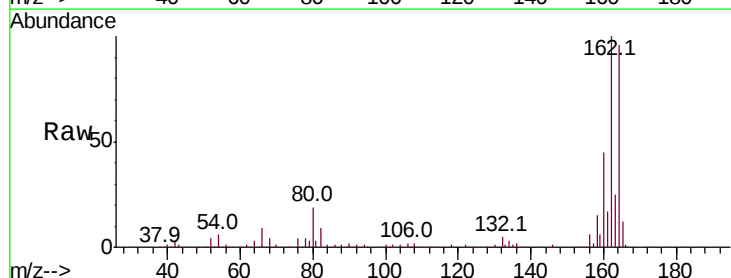


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

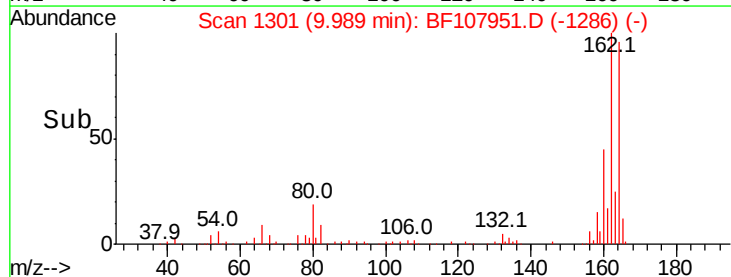
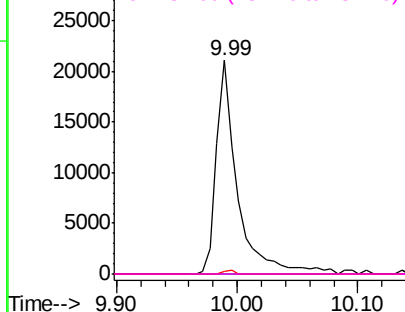


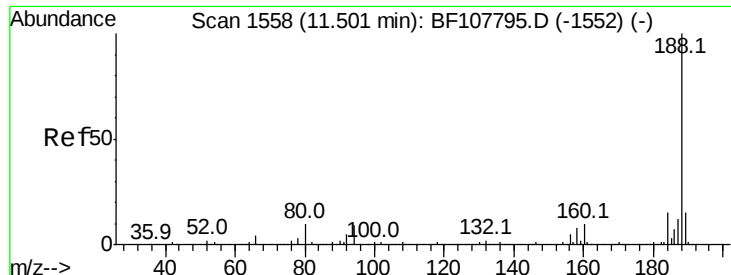
#56
2,4-Dinitrotoluene
Concen: 5.634 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Tgt Ion:165 Resp: 25411
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#



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
Ion 182.00 (181.70 to 182.70): E

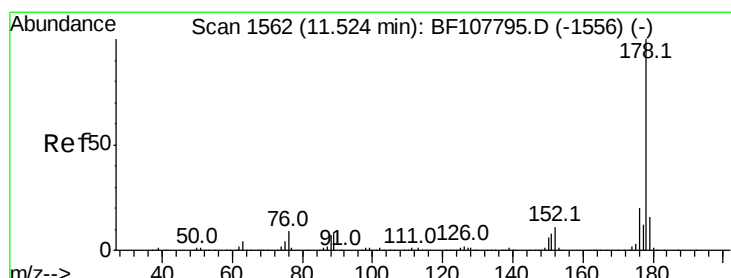
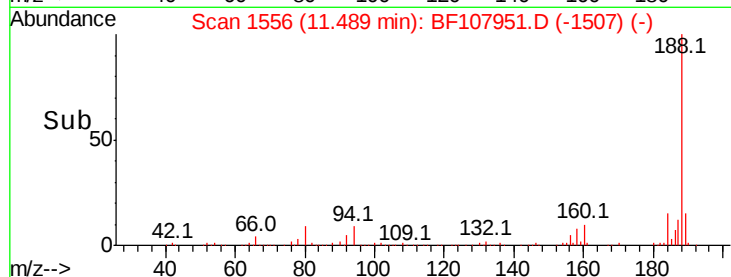
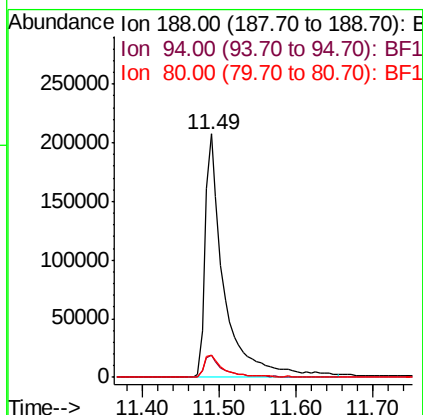
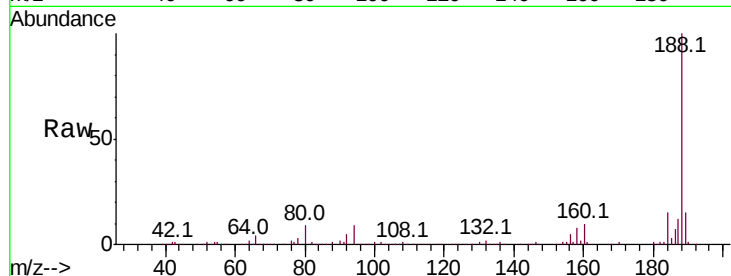




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

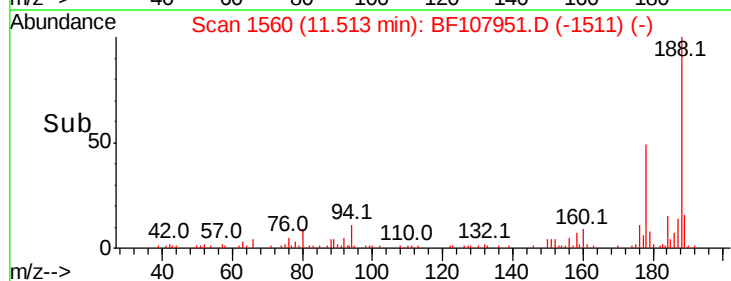
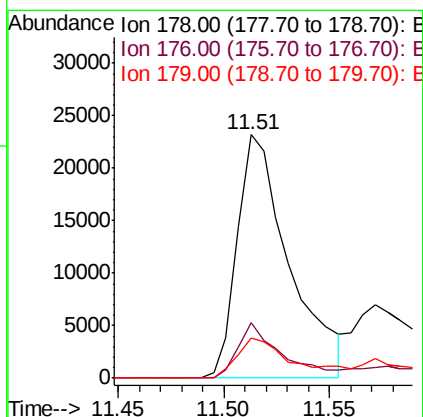
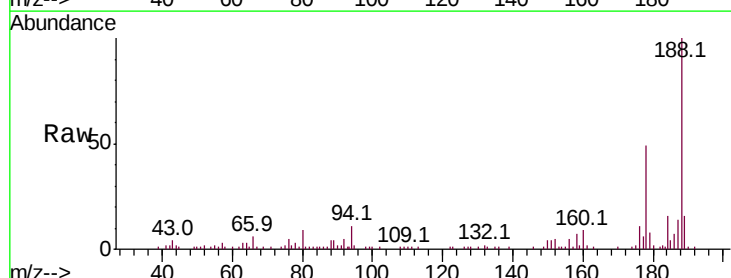
Instrument :
BNA_F
ClientSampleId :

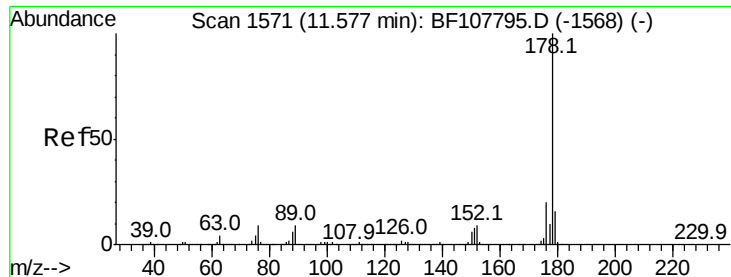
Tot Ion:188 Resp: 355978
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.3 9.2 13.8



#70
Phenanthrene
Concen: 2.346 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Tgt Ion:178 Resp: 39652
Ion Ratio Lower Upper
178 100
176 22.8 15.8 23.8
179 16.4 13.0 19.6

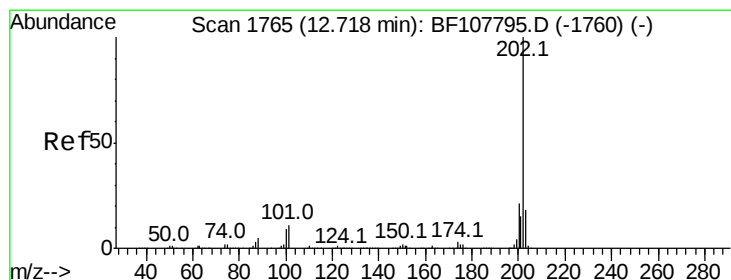
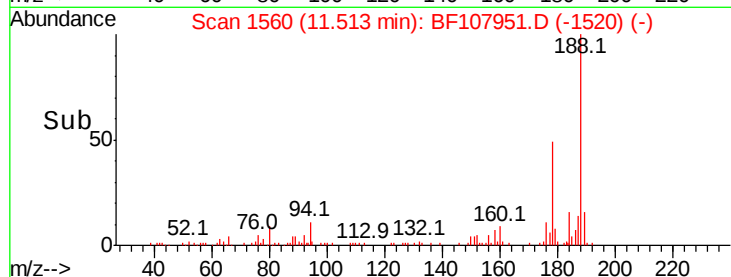
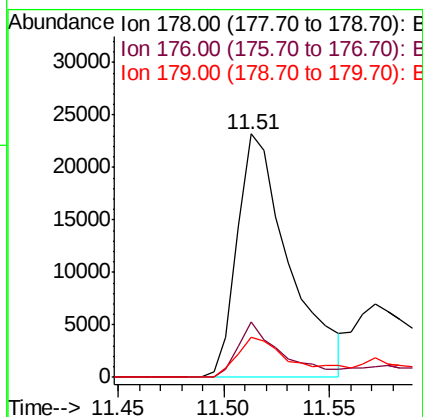
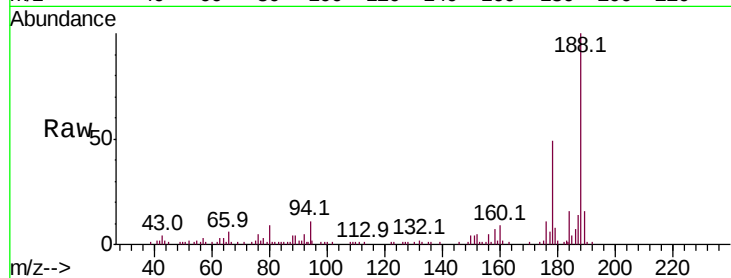




#71
 Anthracene
 Concen: 2.034 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

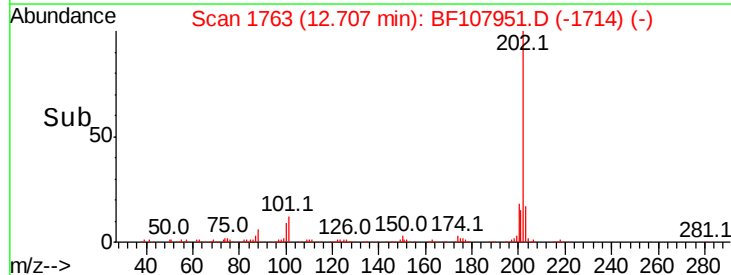
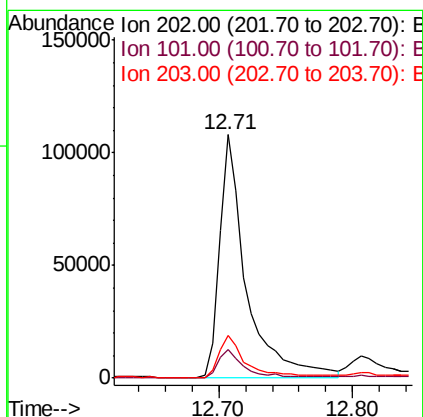
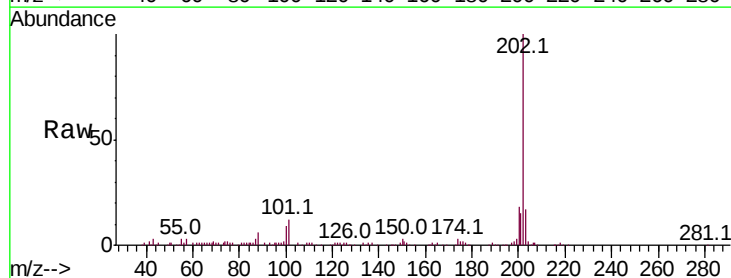
Instrument :
 BNA_F
 ClientSampleId :

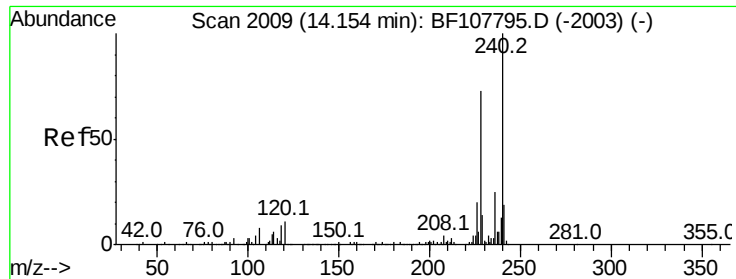
Tot Ion:178 Resp: 39652
 Ion Ratio Lower Upper
 178 100
 176 22.8 15.4 23.2
 179 16.4 12.6 19.0



#74
 Fluoranthene
 Concen: 7.731 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107951.D
 Acq: 3 Aug 2018 21:22

Tgt Ion:202 Resp: 153516
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 17.3 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: BF107951.D

Acq: 3 Aug 2018 21:22

Instrument :

BNA_F

ClientSampleId :

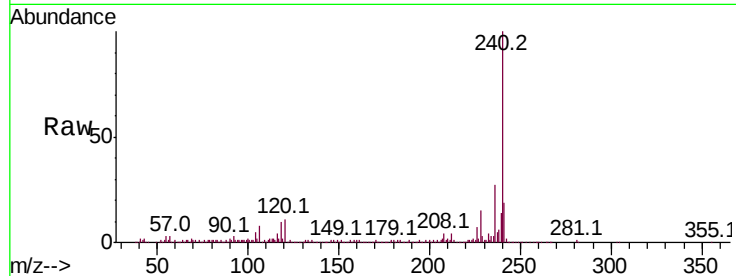
Tot Ion:240 Resp: 324642

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

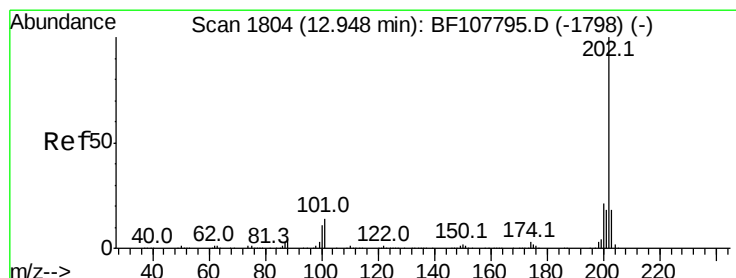
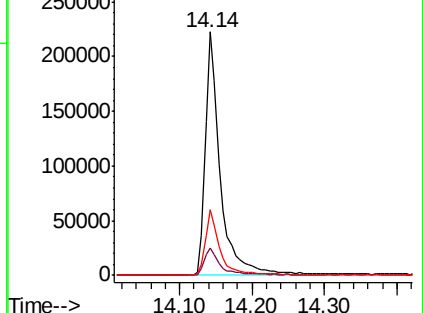
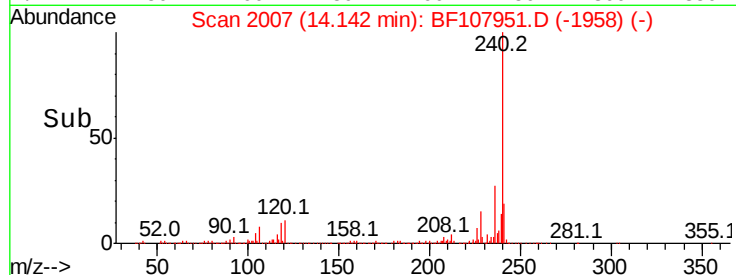
236 27.0 20.7 31.1



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: 5.112 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

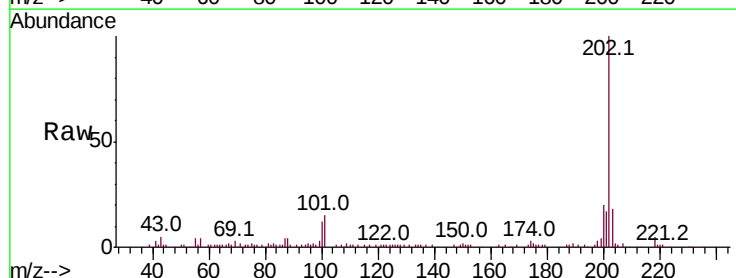
Tgt Ion:202 Resp: 119510

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

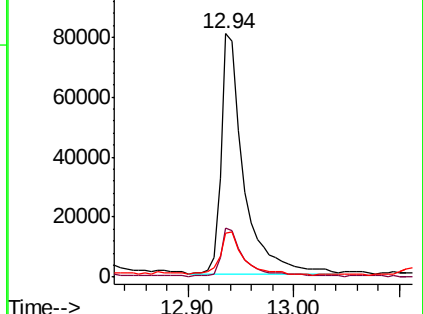
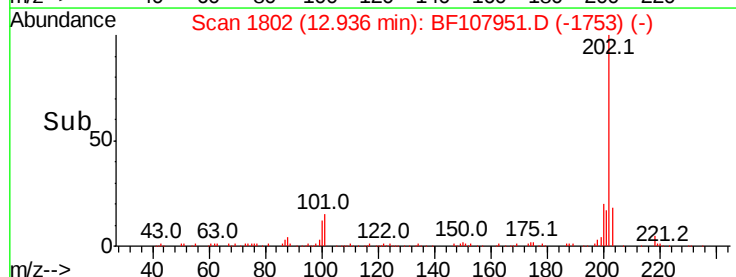
203 18.1 14.3 21.5

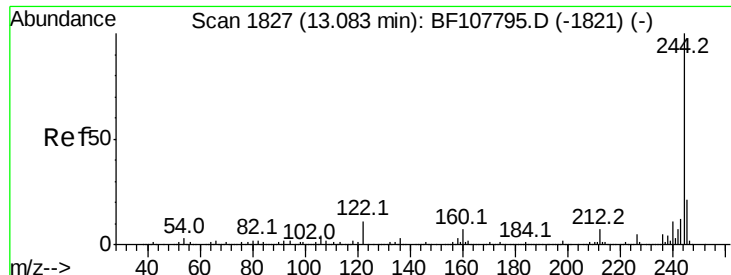


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.385 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

Instrument :

BNA_F

ClientSampleId :

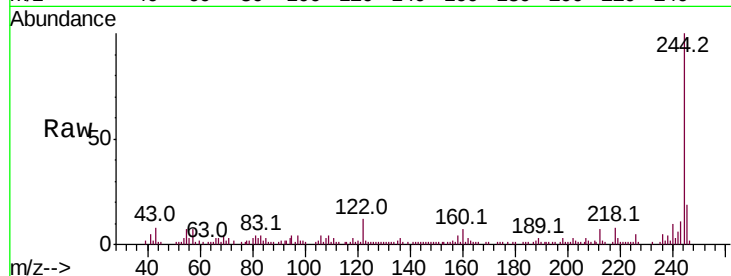
Tot Ion:244 Resp: 80621

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

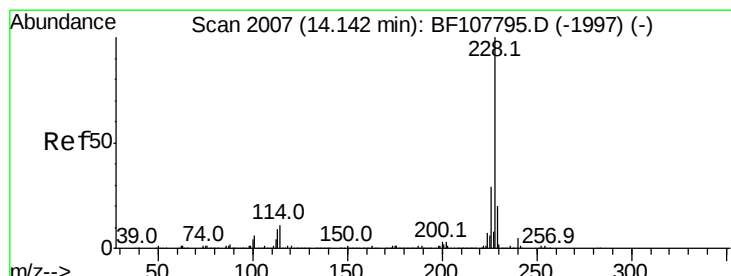
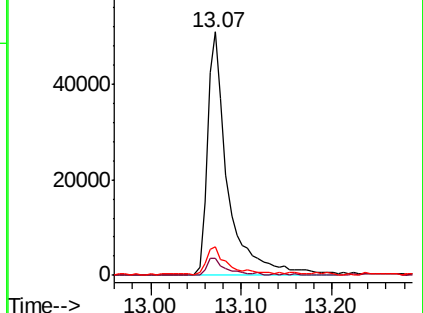
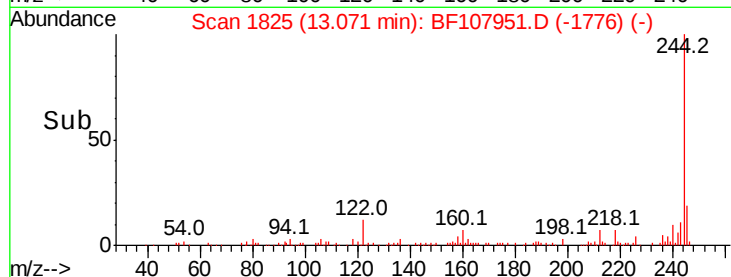
122 11.7 11.0 16.4



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: 4.072 ng

RT: 14.17 min Scan# 2012

Delta R.T. 0.03 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

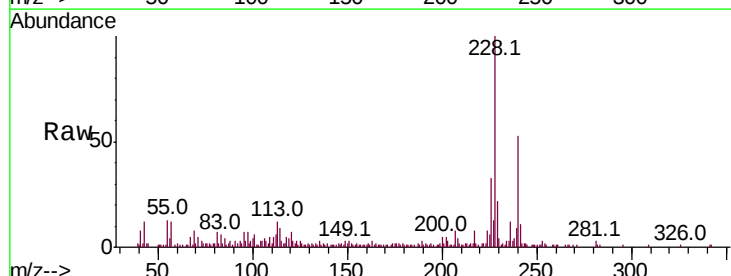
Tgt Ion:228 Resp: 74888

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

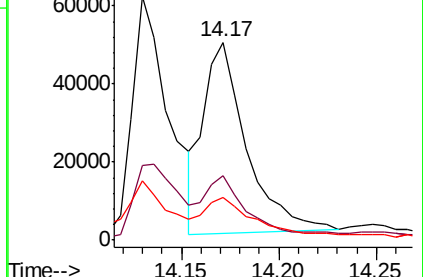
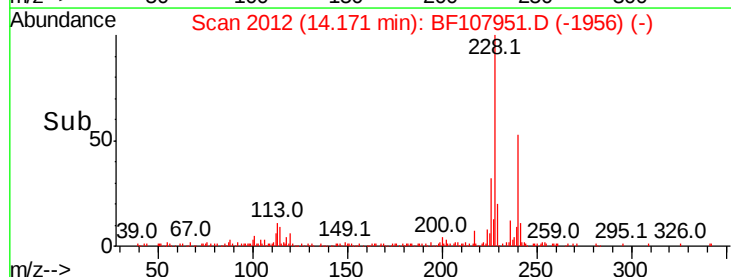
229 21.7 15.8 23.6

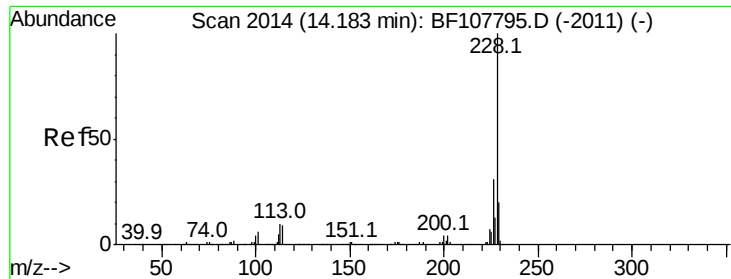


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.776 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

Instrument :

BNA_F

ClientSampleId :

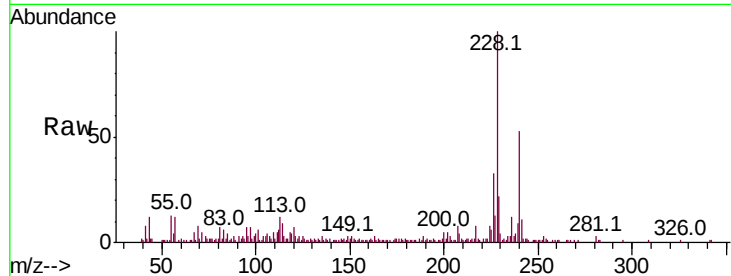
Tot Ion:228 Resp: 74888

Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

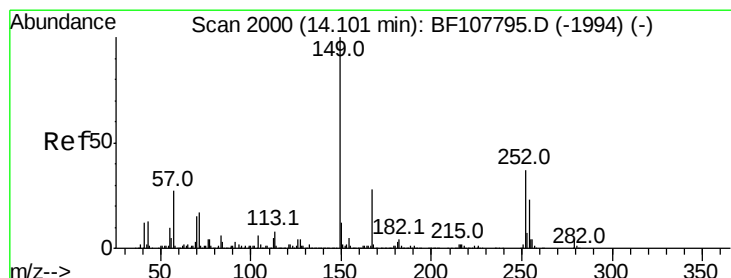
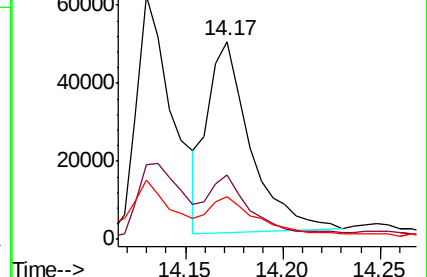
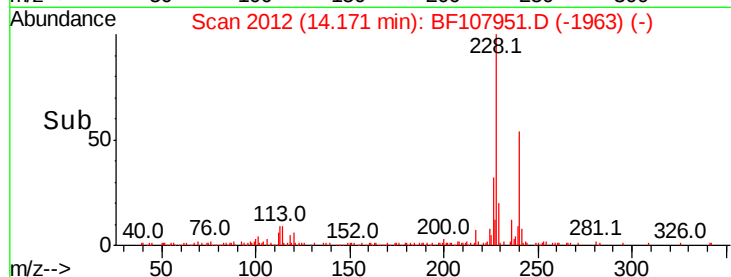
229 21.7 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.130 ng

RT: 14.08 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF107951.D

Acq: 3 Aug 2018 21:22

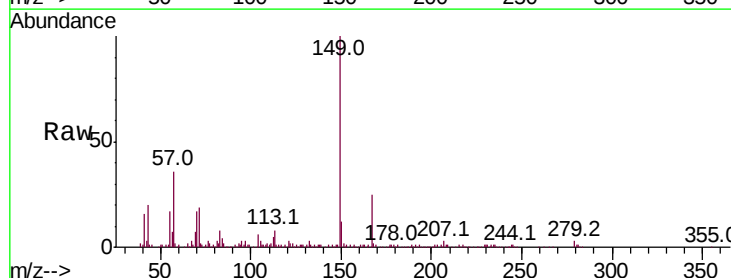
Tgt Ion:149 Resp: 104628

Ion Ratio Lower Upper

149 100

167 24.9 21.3 31.9

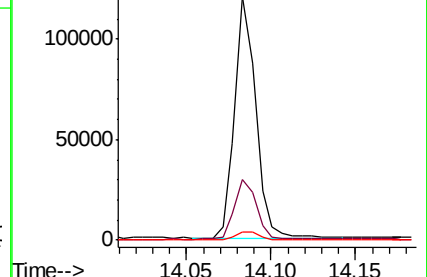
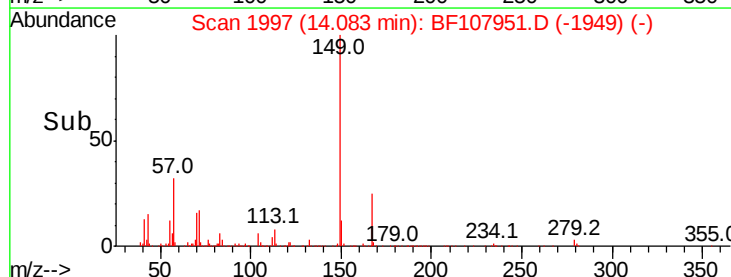
279 3.3 3.0 4.4

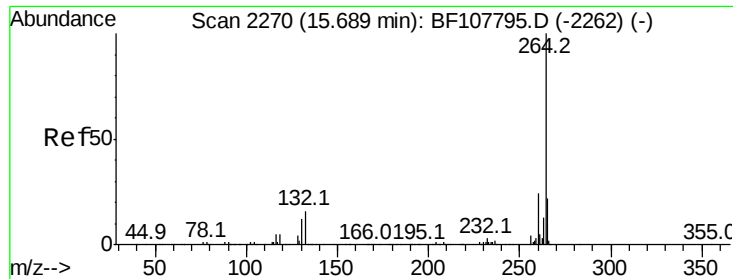


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



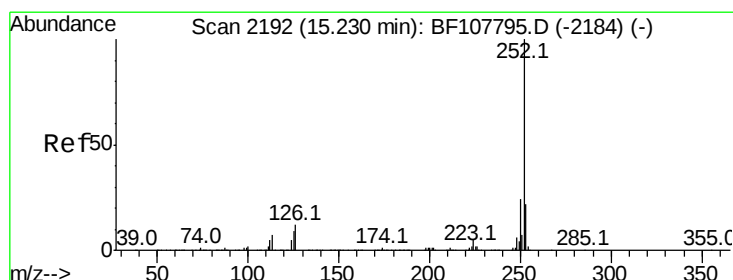
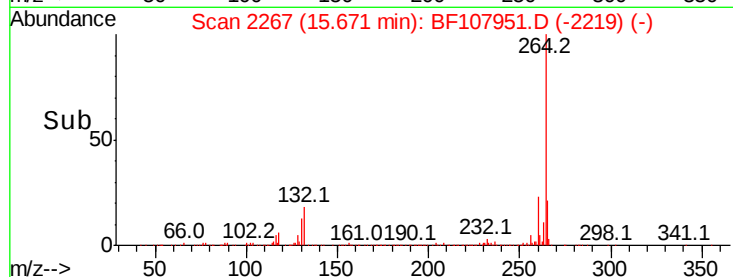
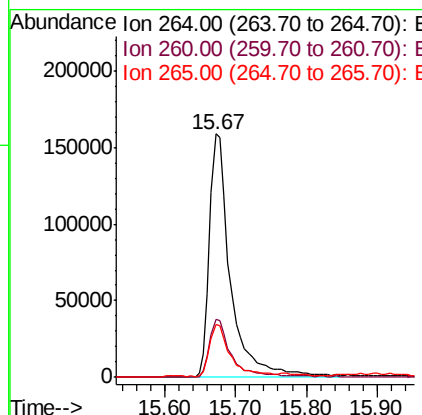
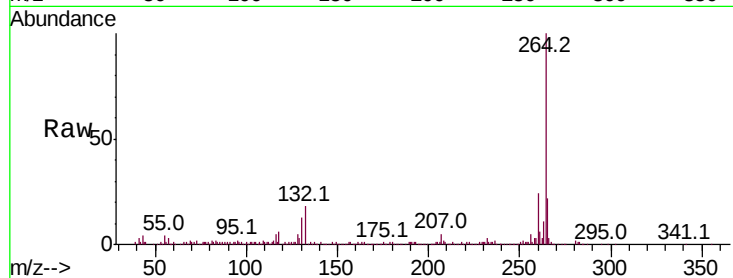


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 333173

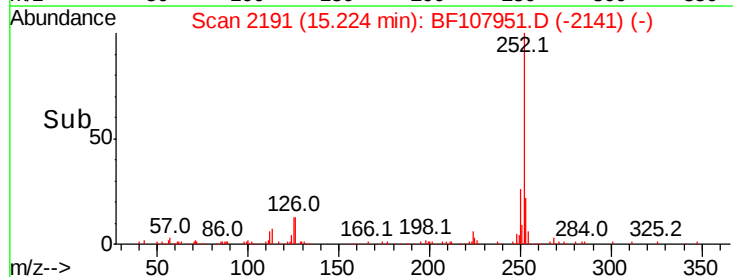
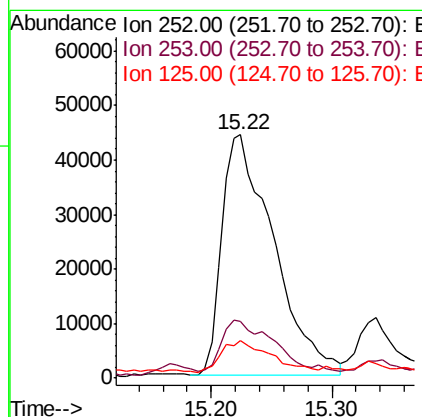
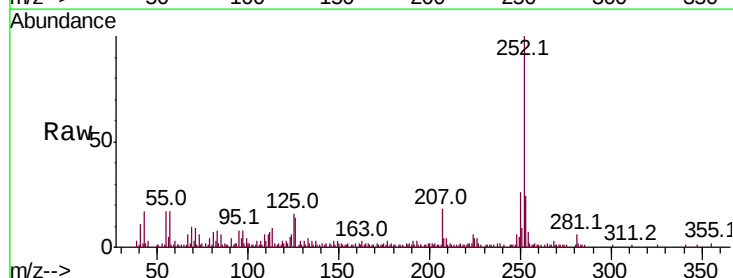
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3

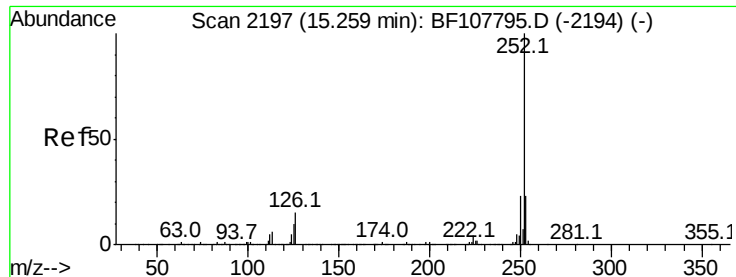


#87
Benzo(b)fluoranthene
Concen: 8.007 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Tgt Ion:252 Resp: 131575

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	15.6	9.0	13.6

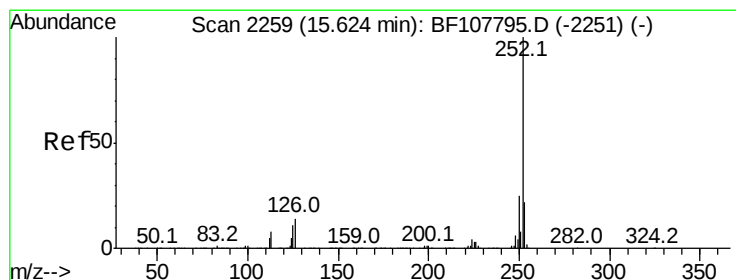
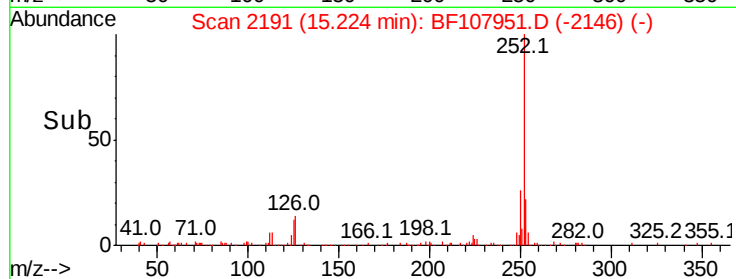
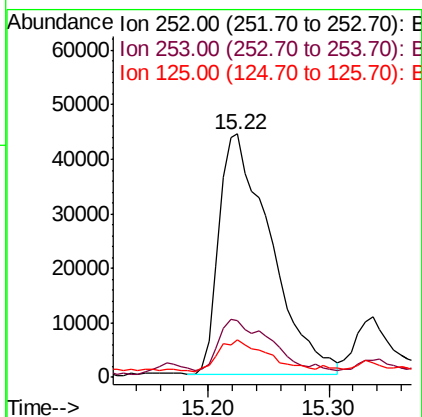
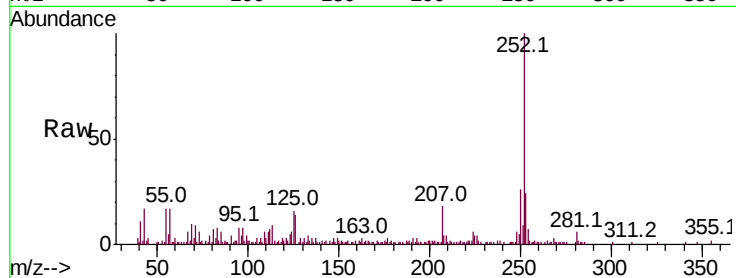




#88
Benzo(k)fluoranthene
Concen: 6.522 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	15.6	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 3.521 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107951.D
Acq: 3 Aug 2018 21:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	14.0	9.8	14.6

