

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106503.D
 Acq On : 15 Jun 2018 20:19
 Operator : JU/SJ
 Sample : J3486-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

Quant Time: Jun 15 22:59:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	125009	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	456459	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	185800	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	323143	20.00	ng	0.00
75) Chrysene-d12	14.15	240	327538	20.00	ng	0.00
86) Perylene-d12	15.69	264	232102	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	386009	52.26	ng	0.00
7) Phenol-d6	6.61	99	472082	50.59	ng	0.00
23) Nitrobenzene-d5	7.52	82	293583	37.84	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	92410	51.69	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	482783	36.66	ng	0.00
78) Terphenyl-d14	13.08	244	455356	34.53	ng	0.00

Target Compounds

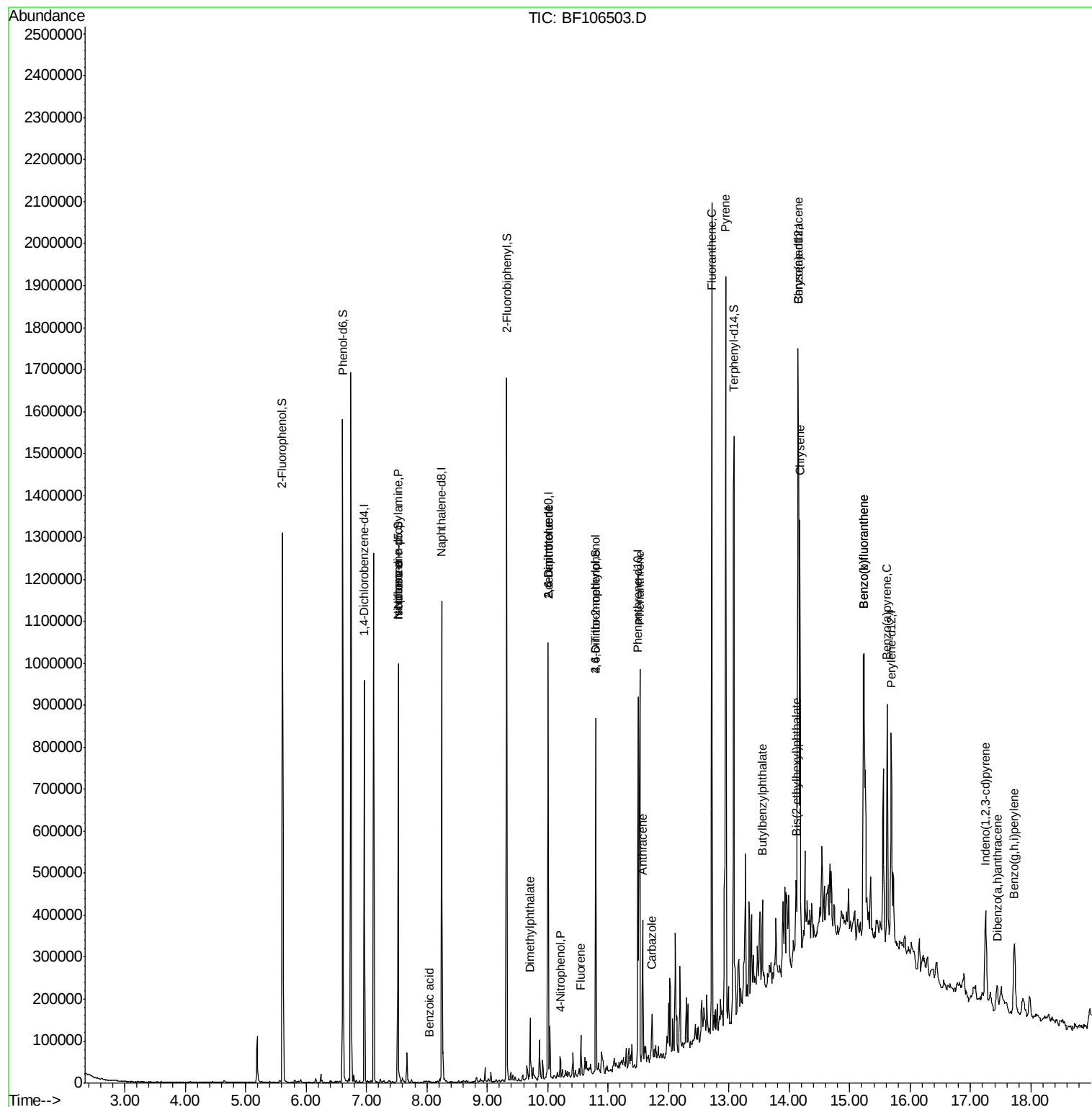
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	38572	5.510	ng	# 78
25) Isophorone	7.52	82	293575	19.371	ng	# 64
32) Benzoic acid	8.04	122	114	7.309	ng	# 1
49) Dimethylphthalate	9.71	163	50909	3.835	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	24313	8.967	ng	# 26
55) 4-Nitrophenol	10.21	139	6262	2.539	ng	# 13
56) 2,4-Dinitrotoluene	10.01	165	24313	7.140	ng	# 24
57) Fluorene	10.55	166	25991	2.140	ng	# 99
64) 4,6-Dinitro-2-methylphenol	10.80	198	112	6.351	ng	# 1
70) Phenanthrene	11.52	178	349798	22.103	ng	# 98
71) Anthracene	11.57	178	113817	7.179	ng	# 98
72) Carbazole	11.73	167	41723	2.851	ng	# 99
74) Fluoranthene	12.72	202	756402	44.818	ng	# 96
77) Pyrene	12.95	202	708115	34.532	ng	# 99
79) Butylbenzylphthalate	13.55	149	18260	2.379	ng	# 98
80) Benzo(a)anthracene	14.14	228	449141	23.043	ng	# 96
82) Chrysene	14.18	228	407744	22.912	ng	# 98
83) Bis(2-ethylhexyl)phthalate	14.11	149	44757	4.067	ng	# 100
85) Indeno(1,2,3-cd)pyrene	17.25	276	148870	10.482	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	586866	41.828	ng	# 97
88) Benzo(k)fluoranthene	15.24	252	586866	42.235	ng	# 98
89) Benzo(a)pyrene	15.62	252	290326	23.006	ng	# 95
90) Dibenzo(a,h)anthracene	17.44	278	31800	3.023	ng	# 97
91) Benzo(g,h,i)perylene	17.73	276	146984	14.376	ng	# 93

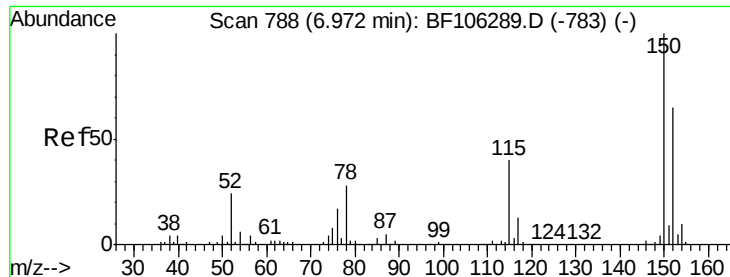
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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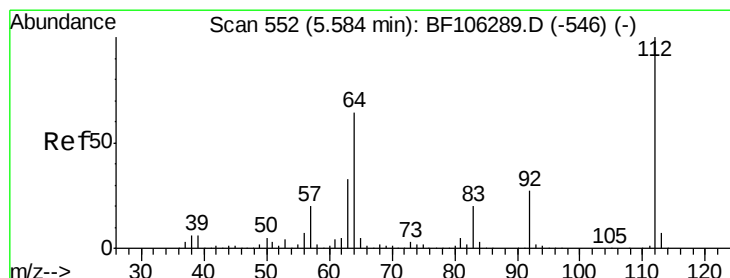
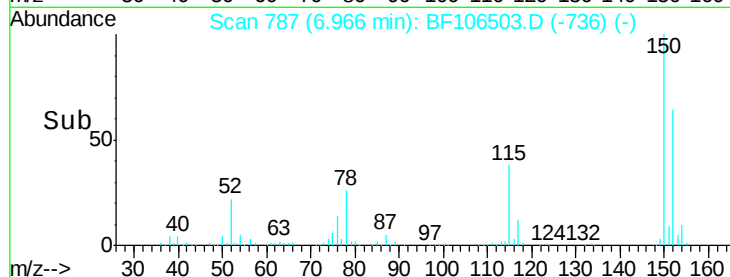
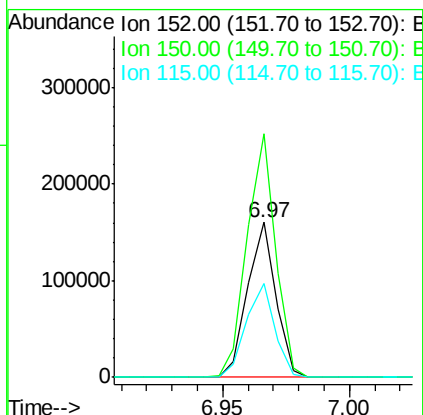
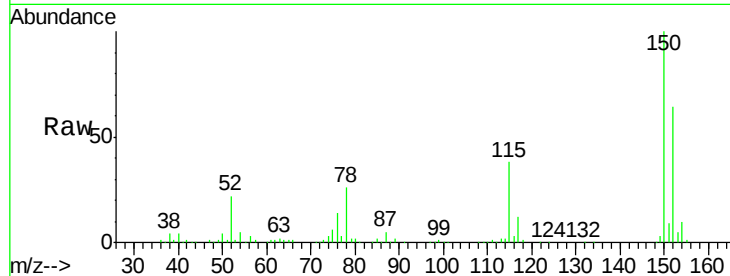


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

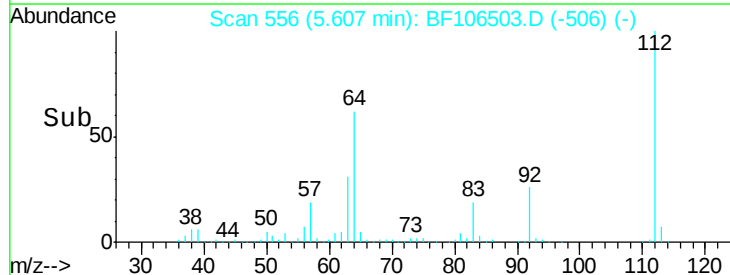
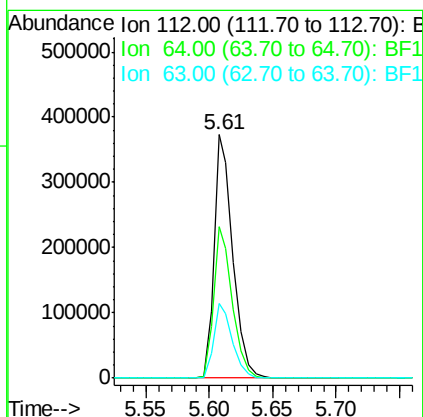
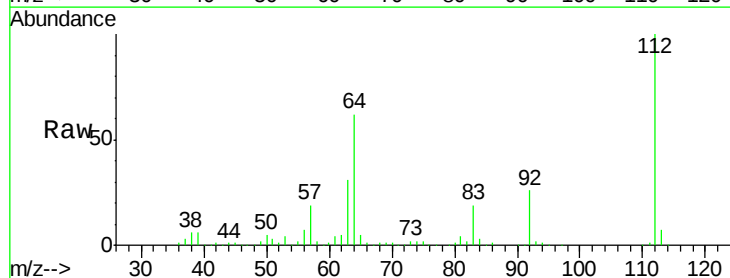
Tgt Ion:152 Resp: 125009
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 60.2 50.1 75.1

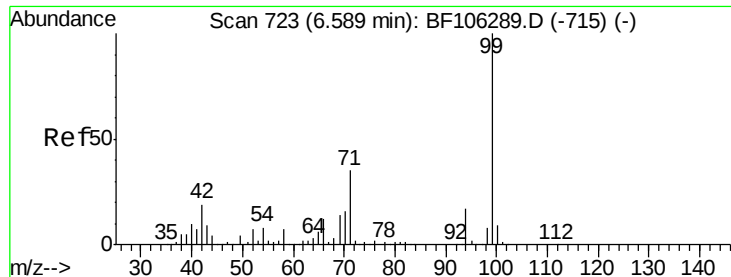


#5

2-Fluorophenol
Concen: 52.262 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:112 Resp: 386009
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 30.6 23.7 35.5





#7

Phenol-d6

Concen: 50.590 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

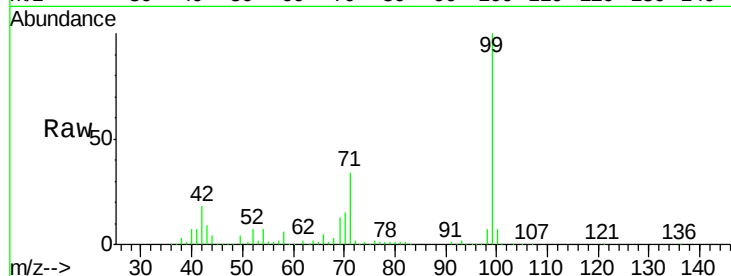
Tgt Ion: 99 Resp: 472082

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

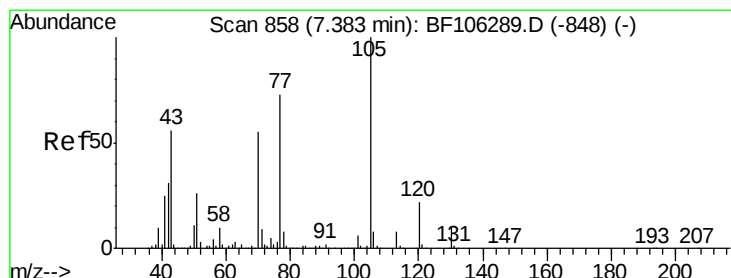
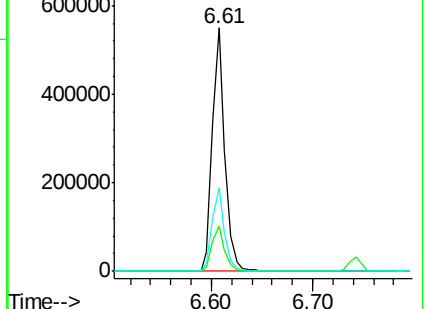
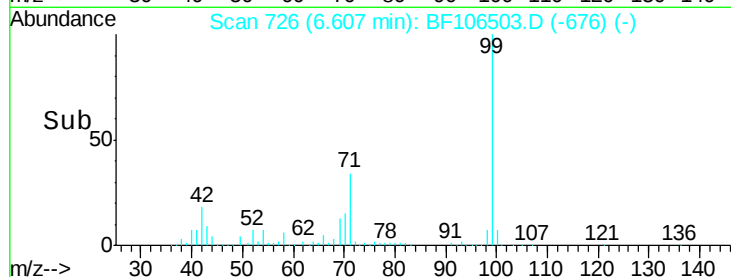
71 34.3 25.4 38.0



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: 5.510 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Tgt Ion: 70 Resp: 38572

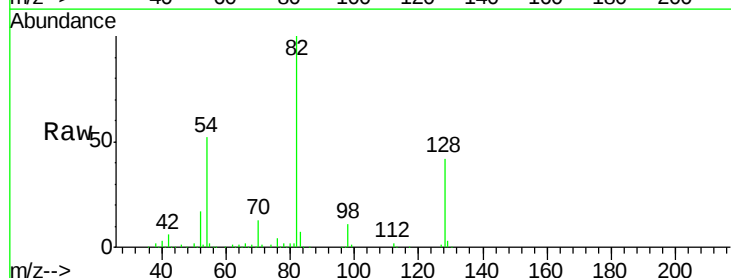
Ion Ratio Lower Upper

70 100

42 47.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

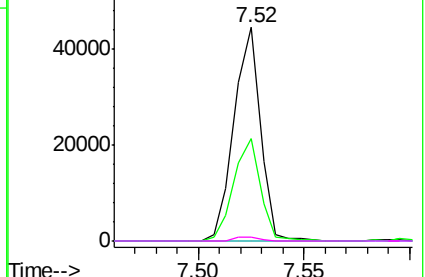
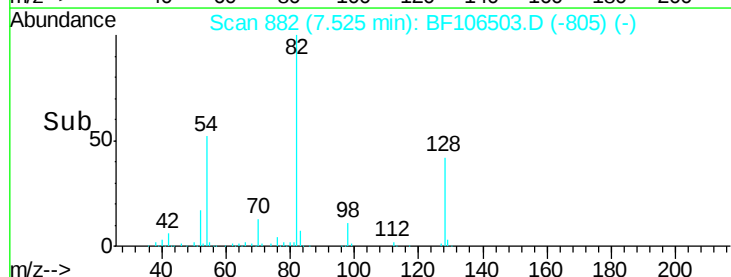


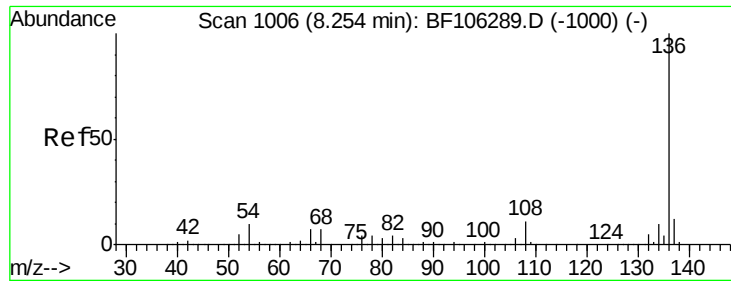
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

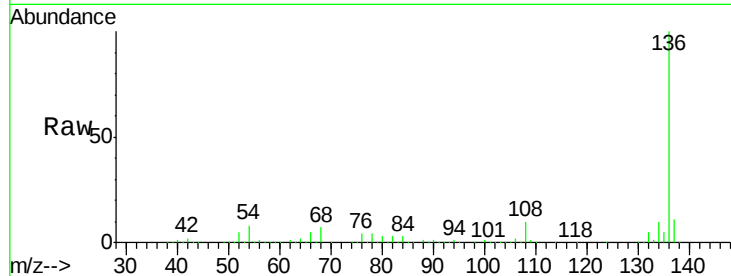




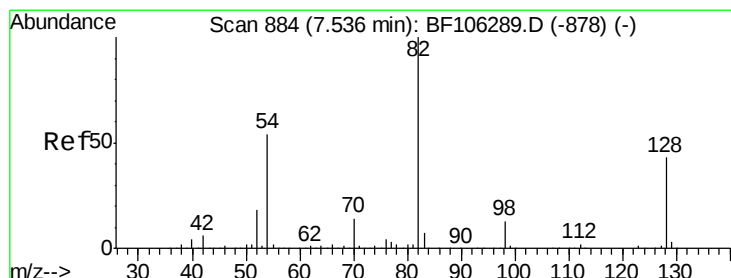
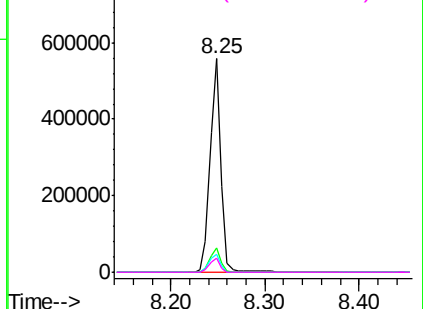
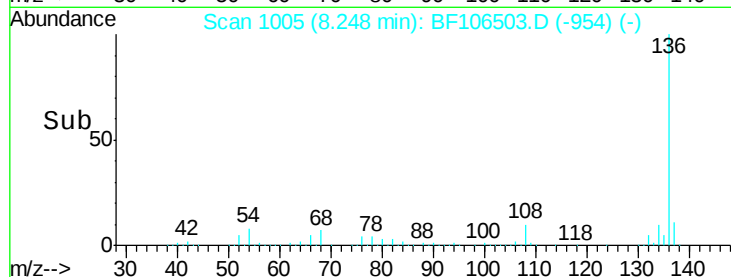
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

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Tgt Ion:	136	Resp:	456459
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.2	6.6	9.8
68	6.7	5.0	7.4

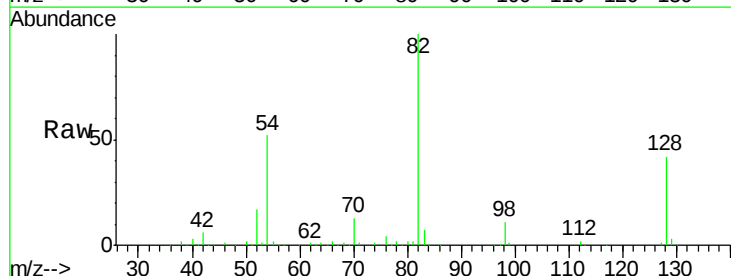


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

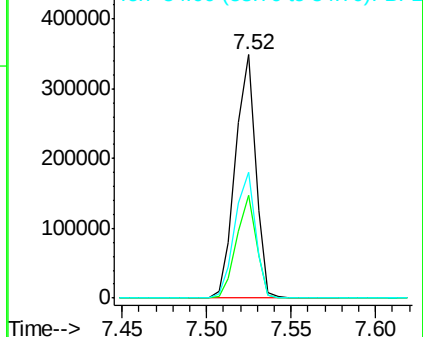
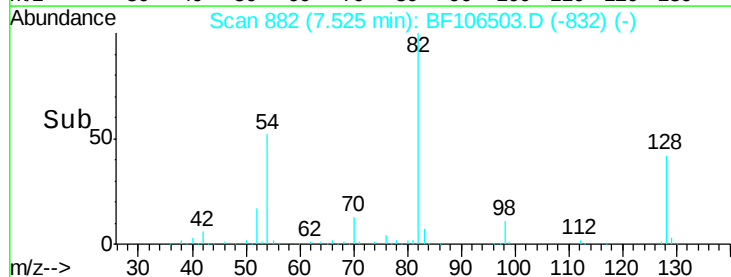


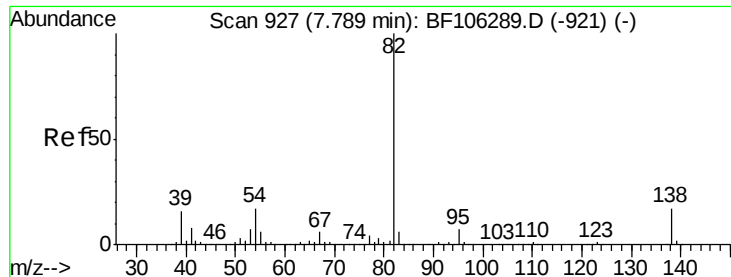
#23
Nitrobenzene-d5
Concen: 37.837 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:	82	Resp:	293583
Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	51.8	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





#25

Isophorone

Concen: 19.371 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

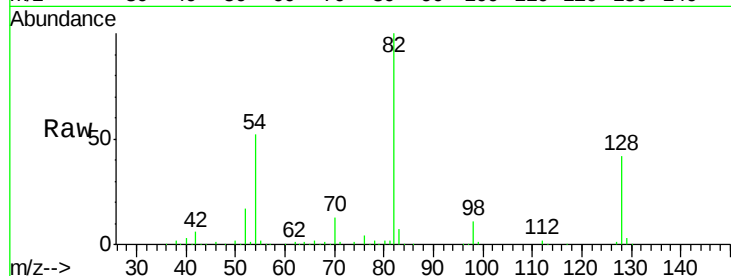
Tgt Ion: 82 Resp: 293575

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

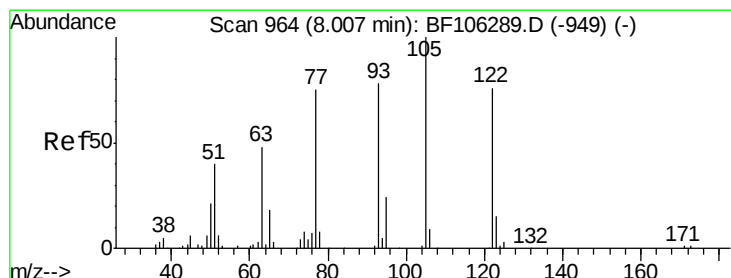
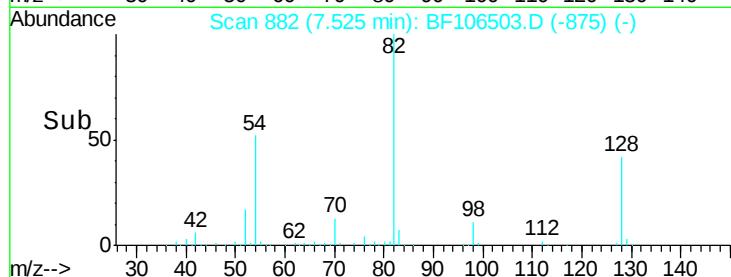
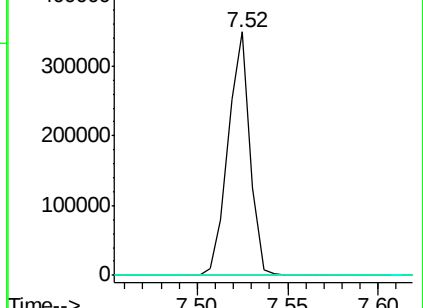
138 0.0 14.9 22.3#



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: 7.309 ng

RT: 8.04 min Scan# 969

Delta R.T. 0.03 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

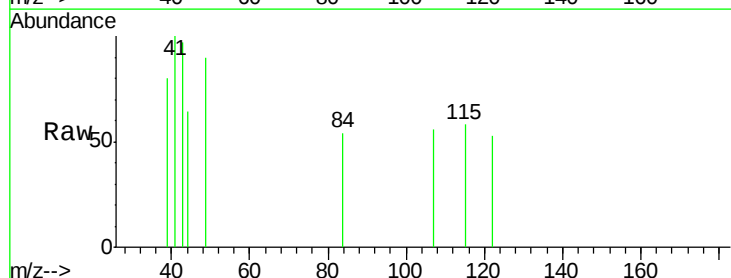
Tgt Ion: 122 Resp: 114

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

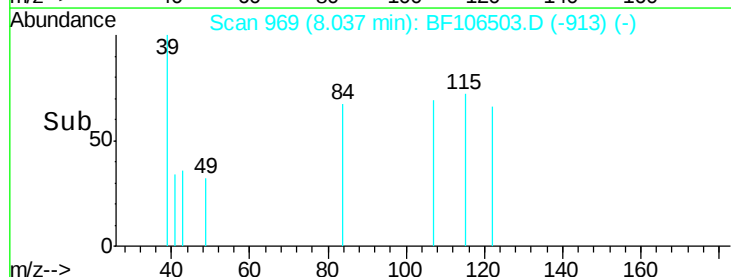
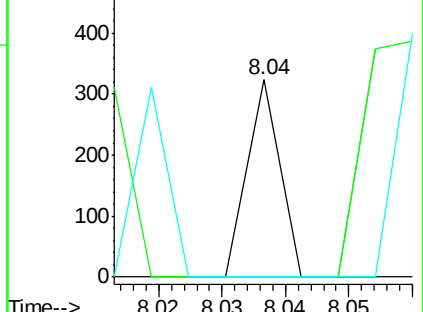
77 0.0 70.7 110.7#

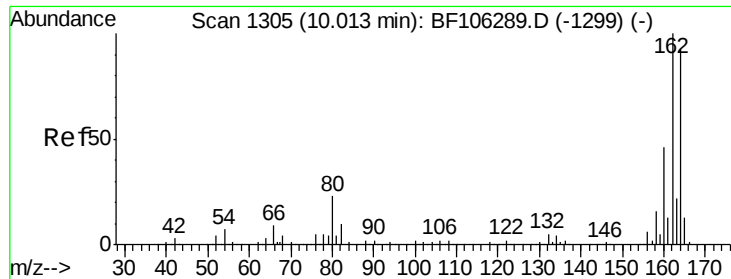


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

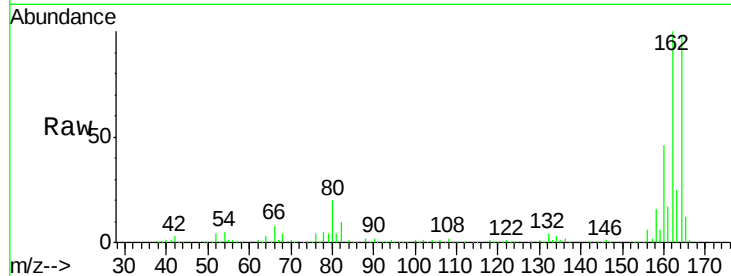




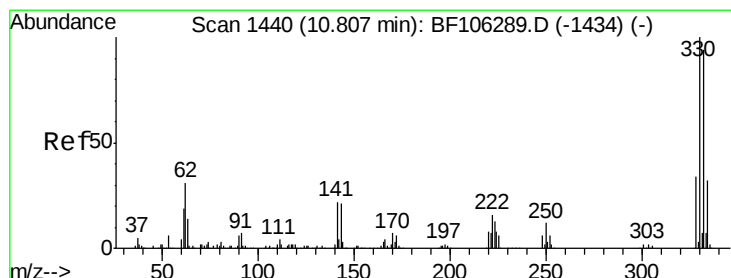
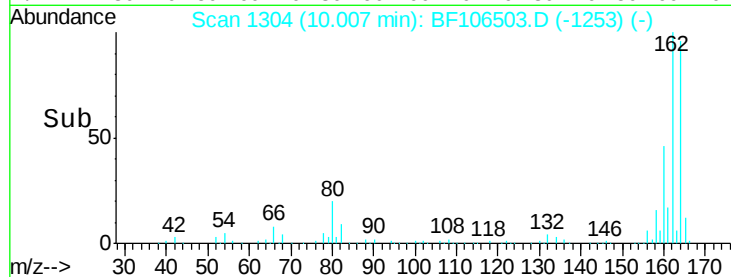
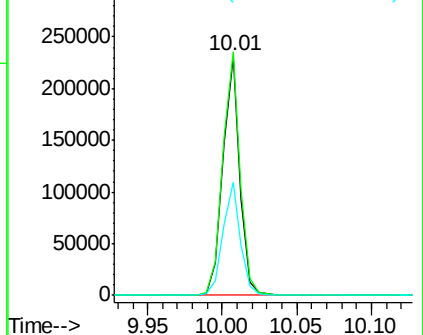
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

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Tgt Ion:164 Resp: 185800
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 47.3 38.3 57.5

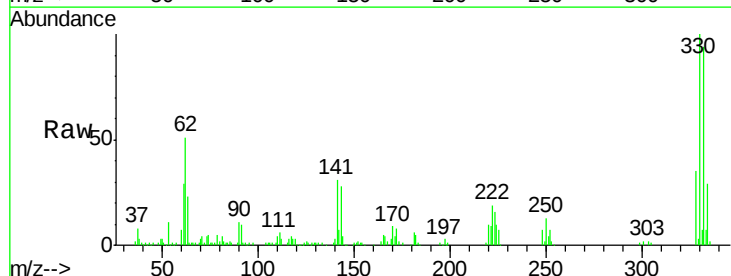


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

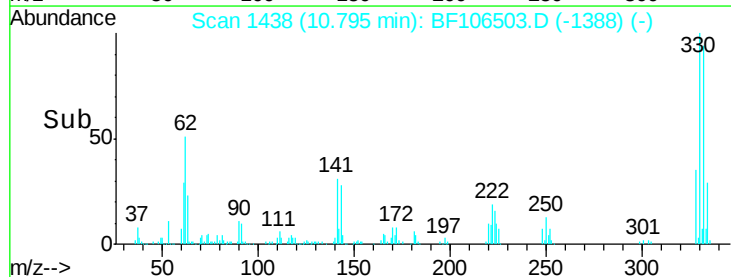
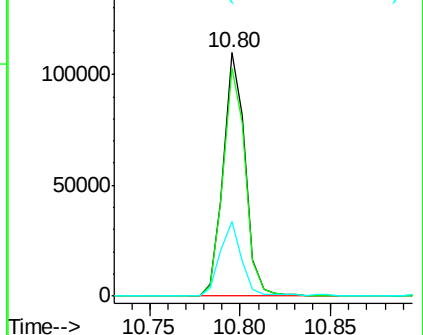


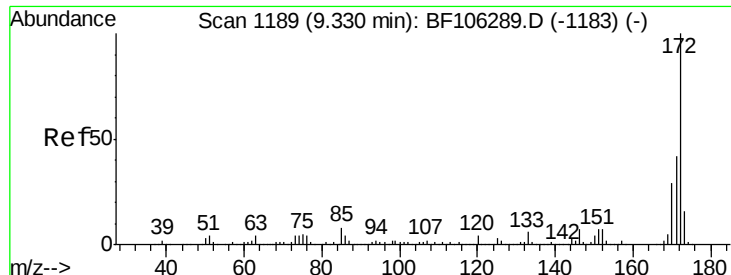
#41
2,4,6-Tribromophenol
Concen: 51.692 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:330 Resp: 92410
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 30.8 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

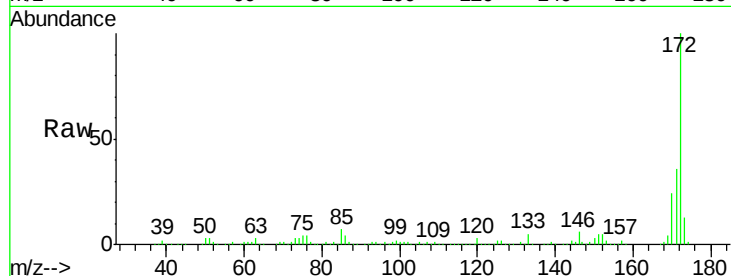




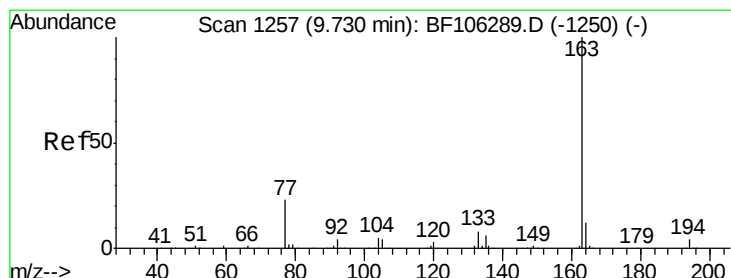
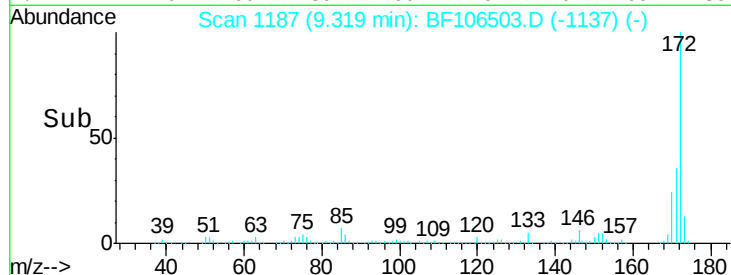
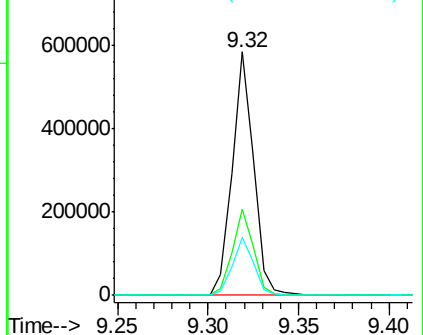
#44
 2-Fluorobiphenyl
 Concen: 36.656 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.0	19.6	29.4

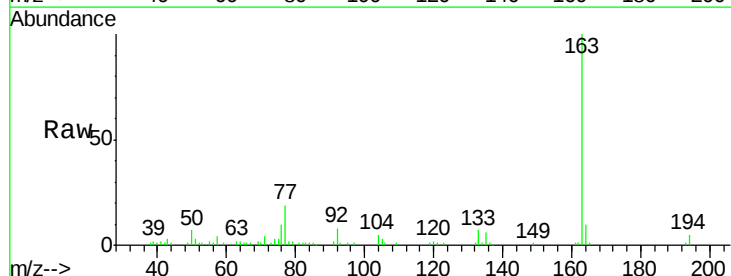


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

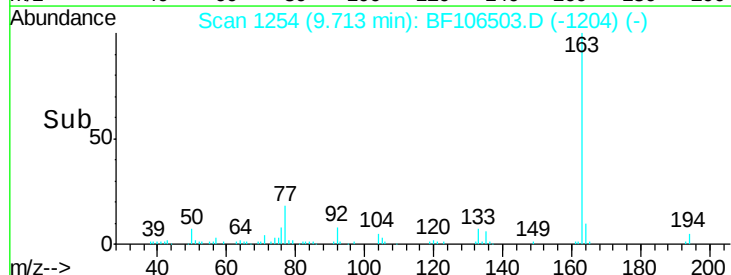
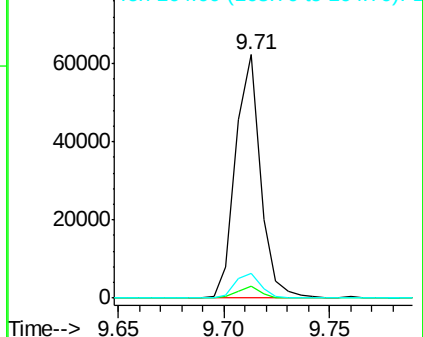


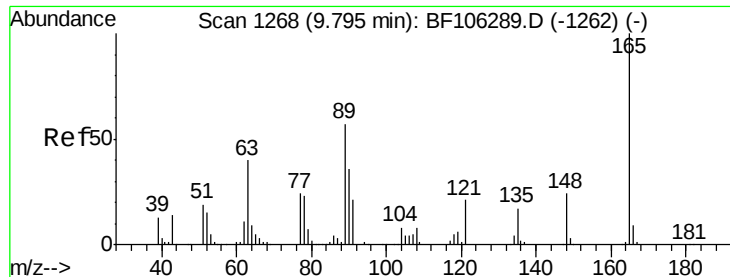
#49
 Dimethylphthalate
 Concen: 3.835 ng
 RT: 9.71 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.7	4.1#
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

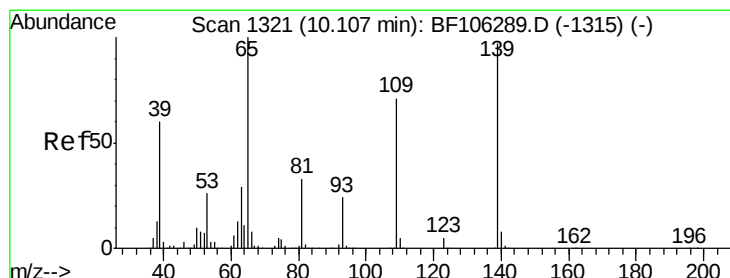
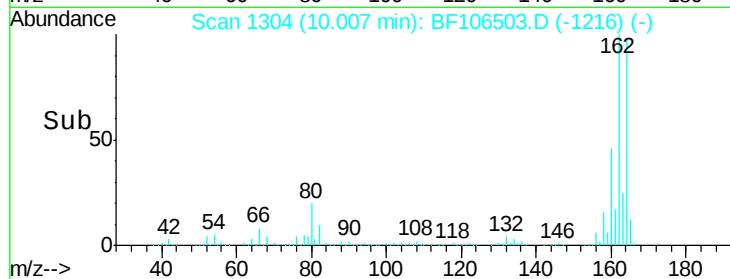
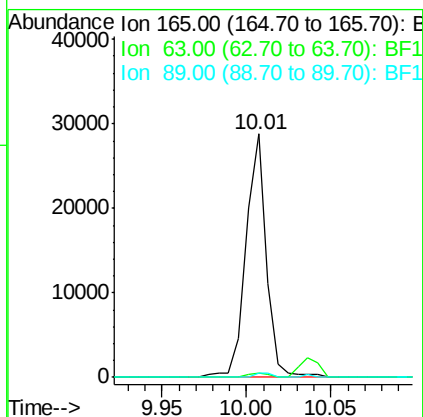
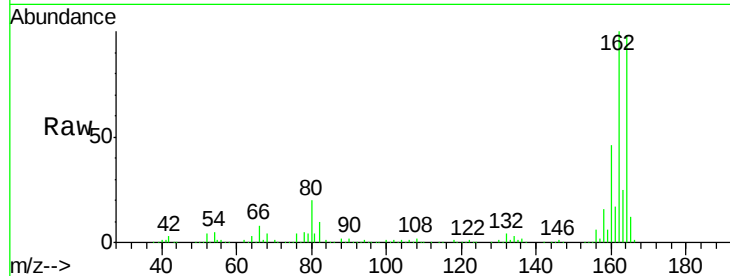




#50
 2,6-Dinitrotoluene
 Concen: 8.967 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.22 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

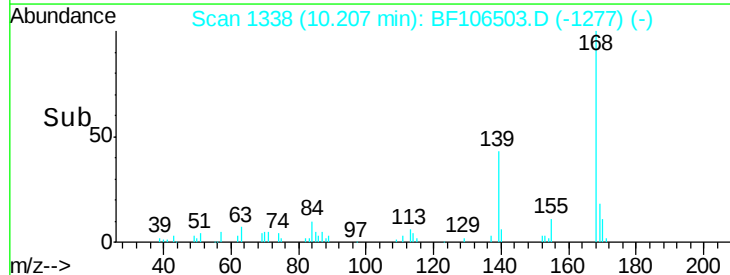
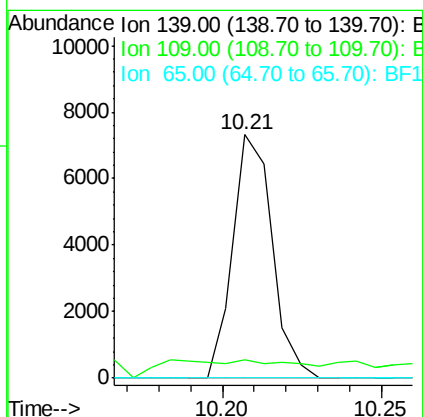
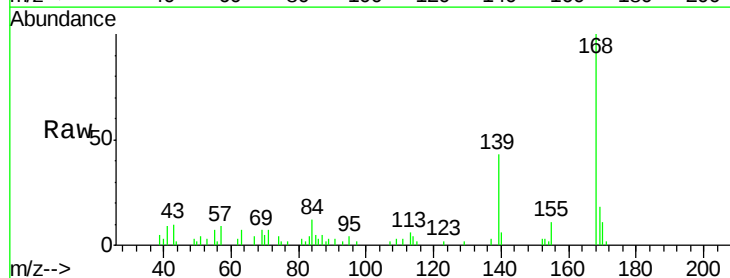
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

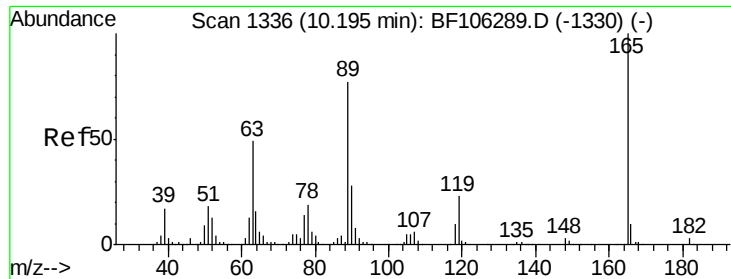
Tgt Ion:165 Resp: 24313
 Ion Ratio Lower Upper
 165 100
 63 1.6 44.7 67.1#
 89 1.7 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 2.539 ng
 RT: 10.21 min Scan# 1338
 Delta R.T. 0.06 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion:139 Resp: 6262
 Ion Ratio Lower Upper
 139 100
 109 7.7 48.4 88.4#
 65 0.0 72.6 112.6#

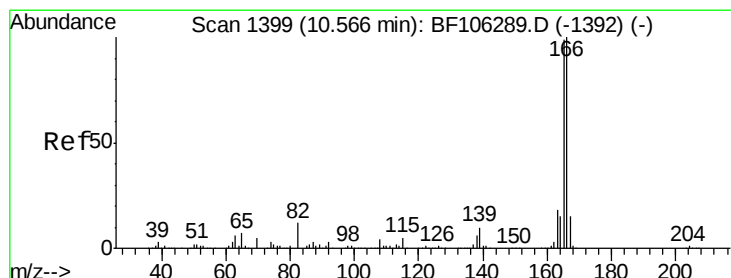
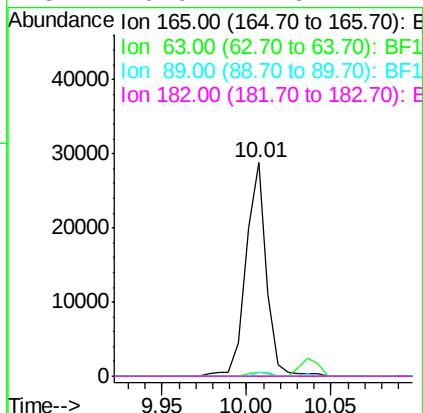
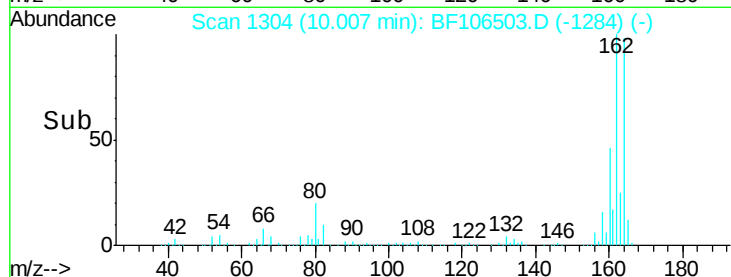
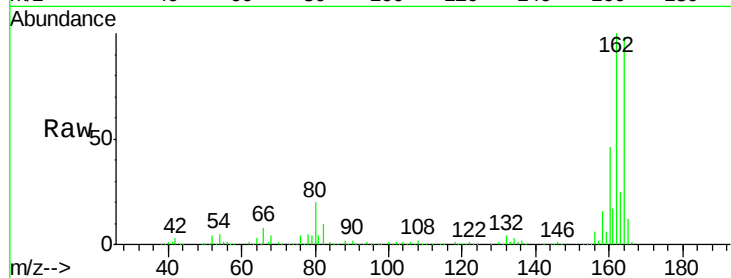




#56
2,4-Dinitrotoluene
Concen: 7.140 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.18 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

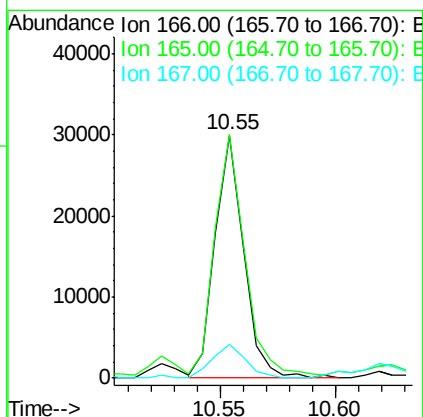
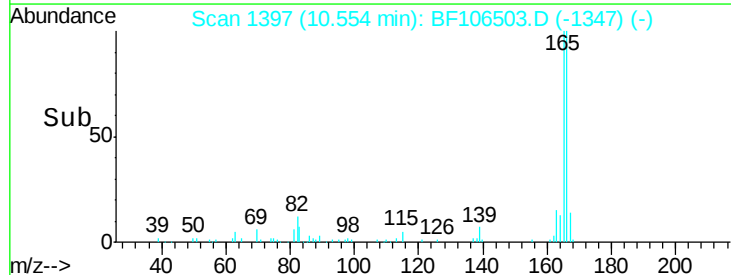
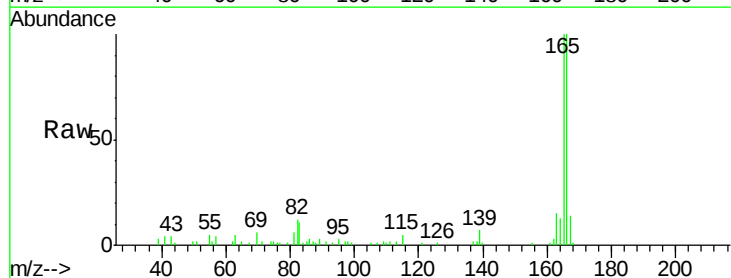
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

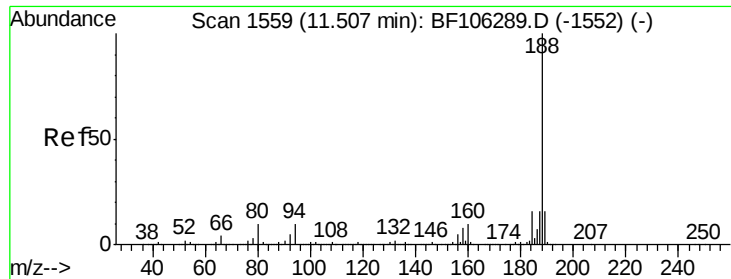
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 2.140 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	13.9	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

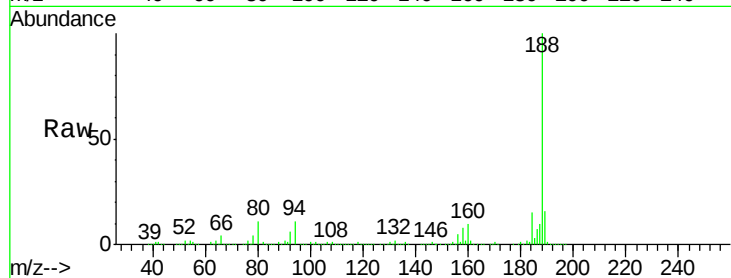
Tgt Ion:188 Resp: 323143

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

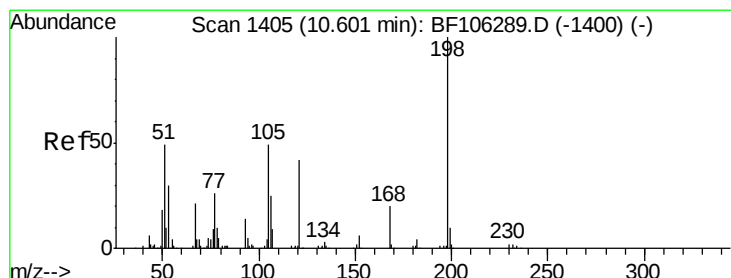
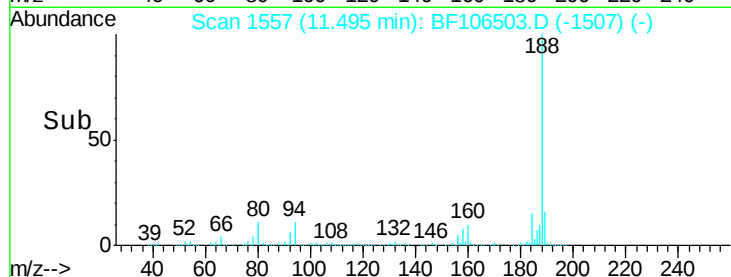
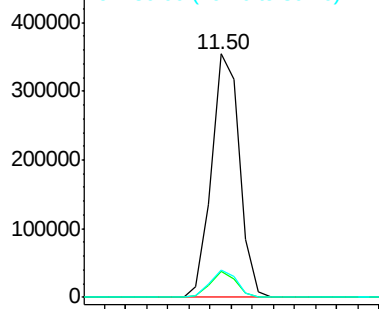
80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 6.351 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

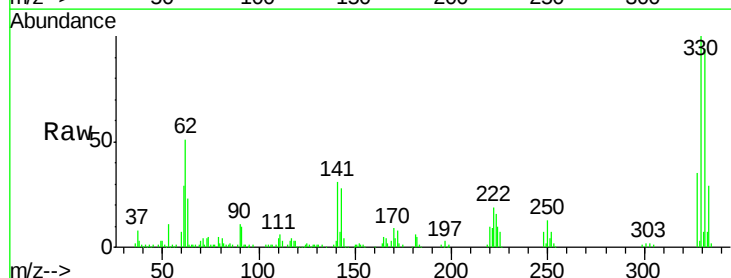
Tgt Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 191.5 37.7 77.7#

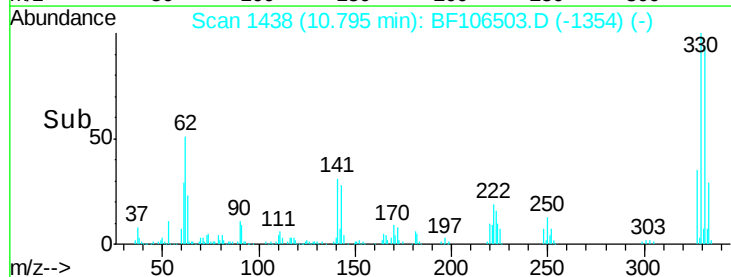
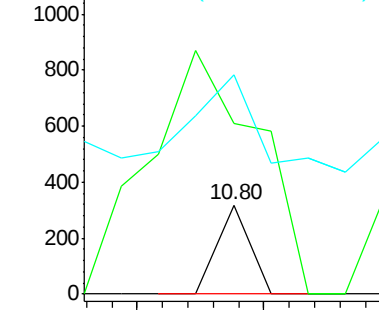
105 245.9 36.3 76.3#

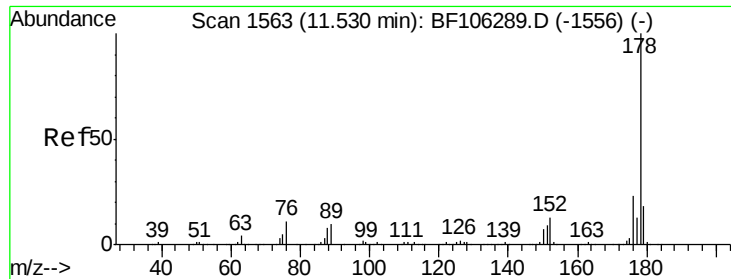


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

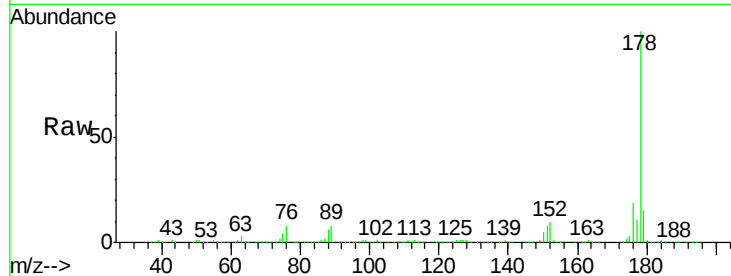




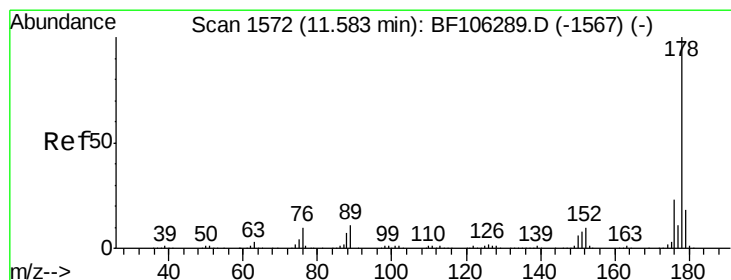
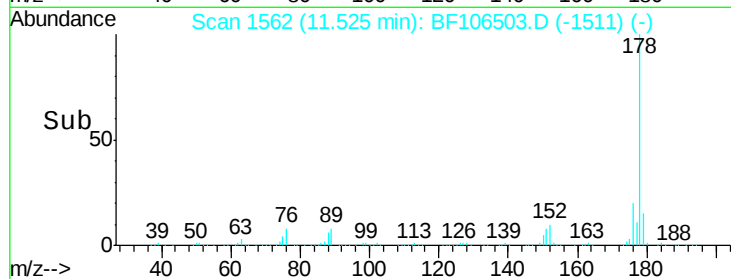
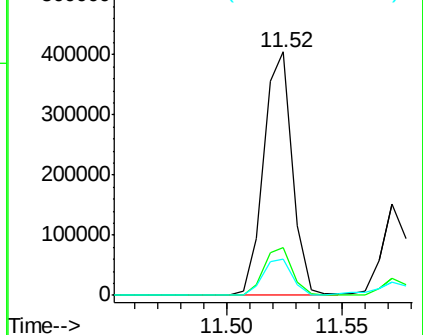
#70
Phenanthrene
Concen: 22.103 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

Tgt Ion:178 Resp: 349798
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.1 13.0 19.6

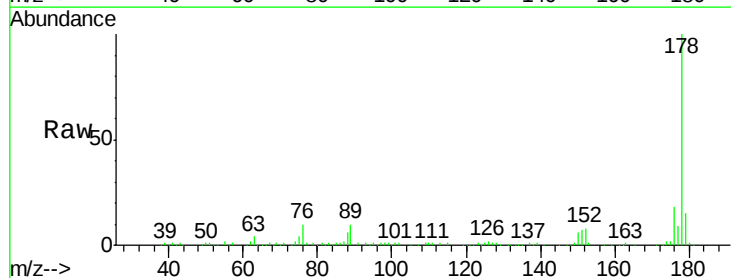


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

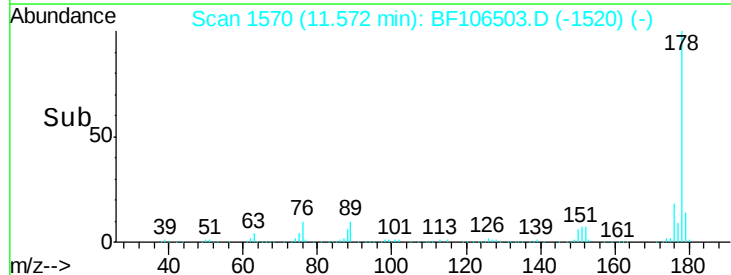
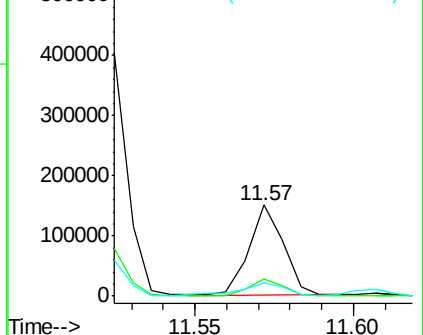


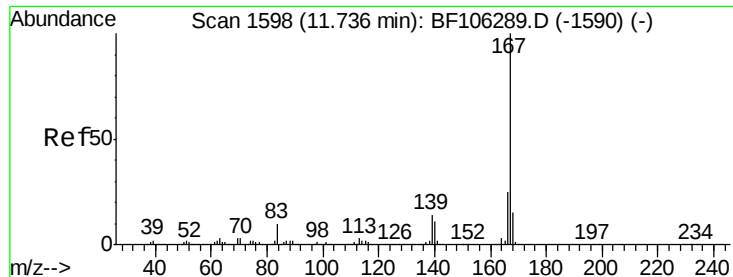
#71
Anthracene
Concen: 7.179 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:178 Resp: 113817
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.851 ng

RT: 11.73 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

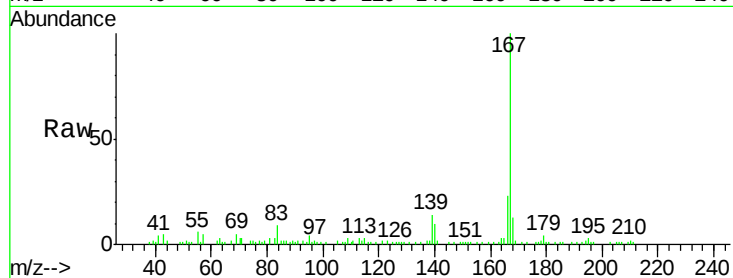
Tgt Ion:167 Resp: 41723

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

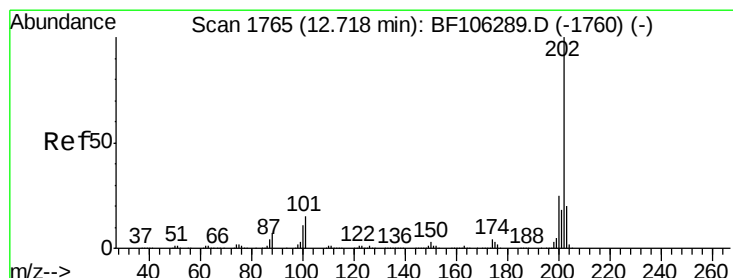
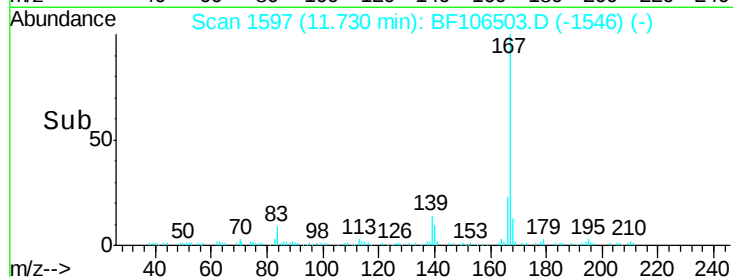
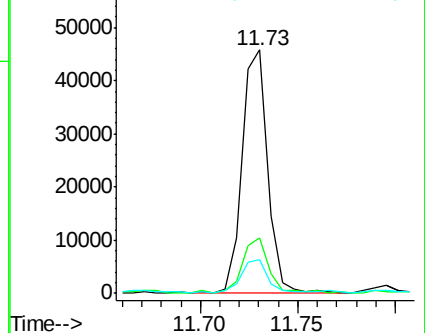
139 13.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 44.818 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

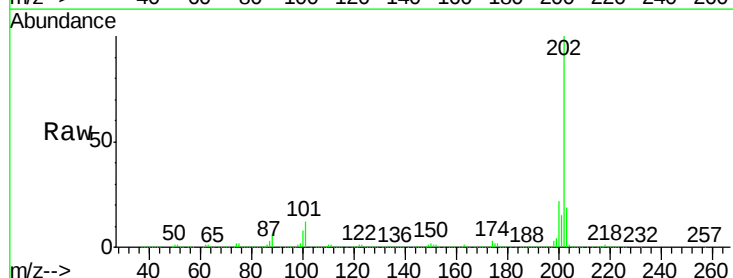
Tgt Ion:202 Resp: 756402

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

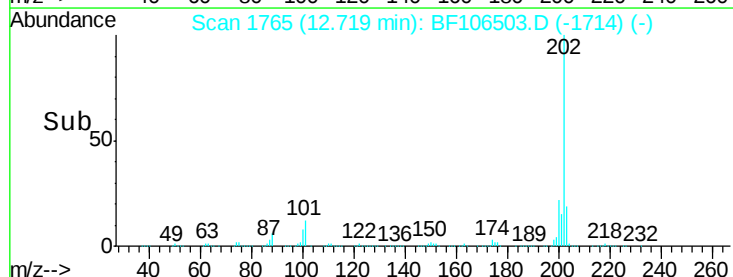
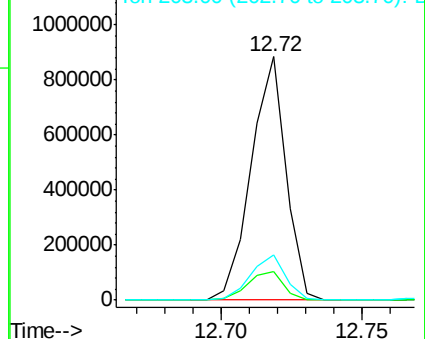
203 18.8 0.0 38.1

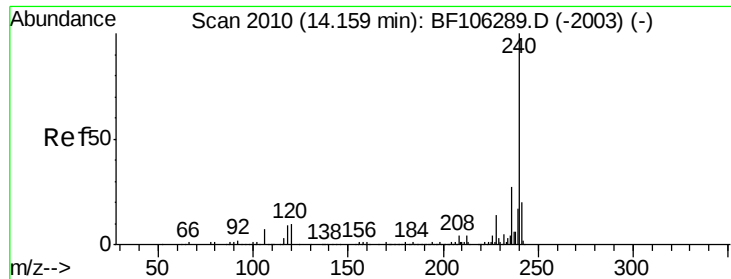


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

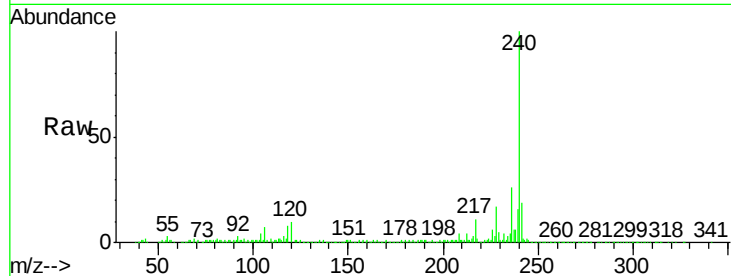
Tgt Ion:240 Resp: 327538

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

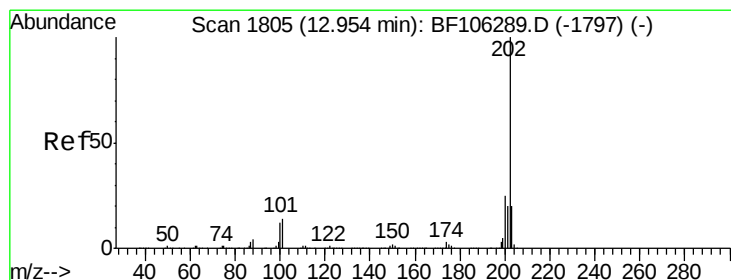
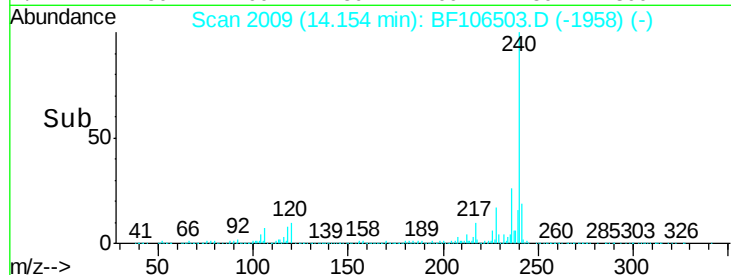
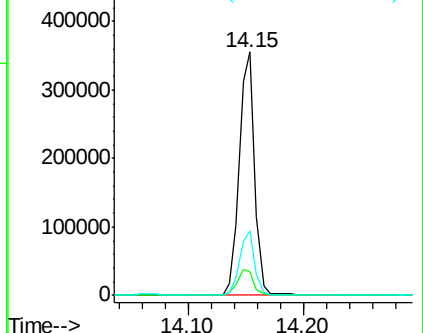
236 26.2 20.7 31.1



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: 34.532 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

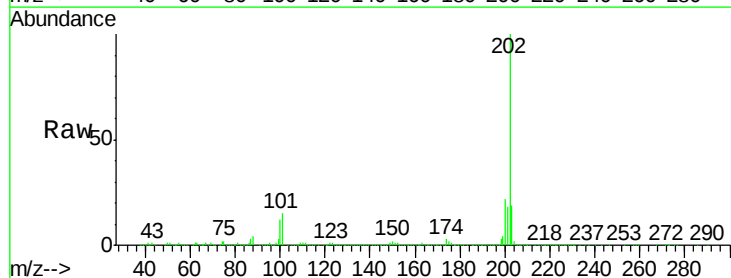
Tgt Ion:202 Resp: 708115

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

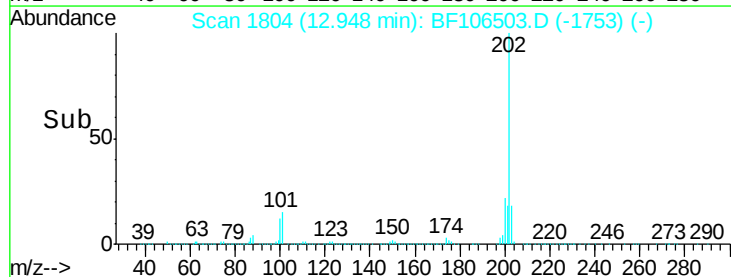
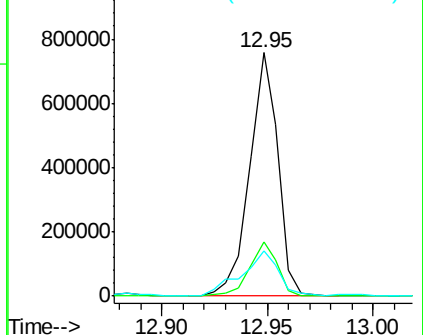
203 18.8 14.3 21.5

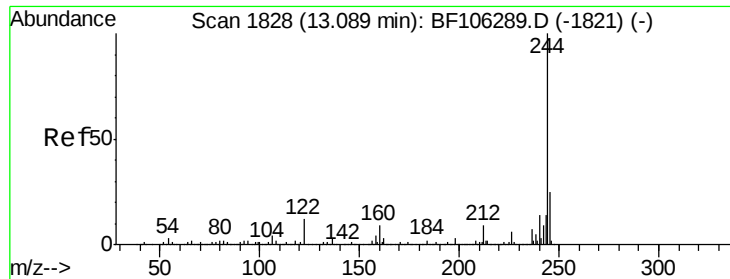


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

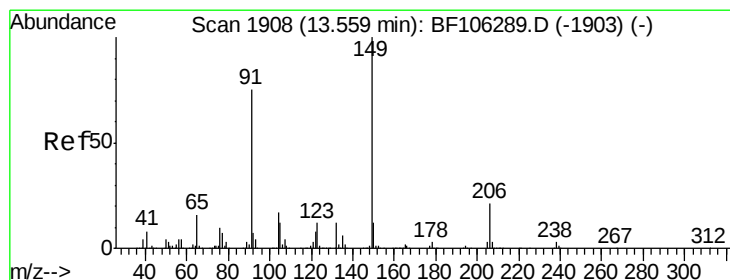
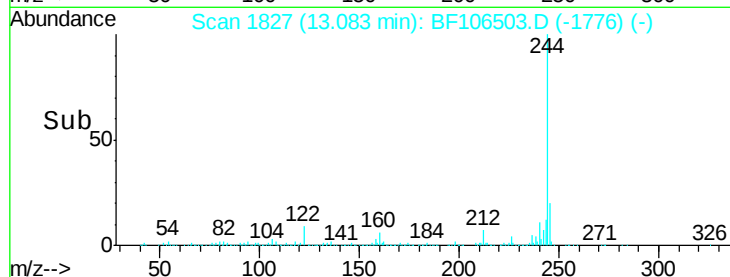
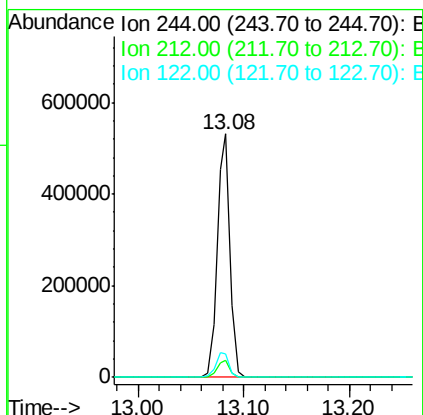
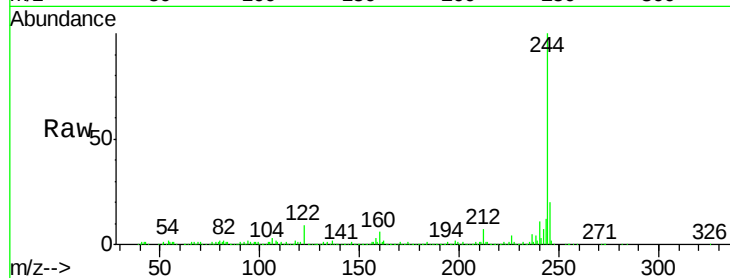




#78
 Terphenyl-d14
 Concen: 34.531 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

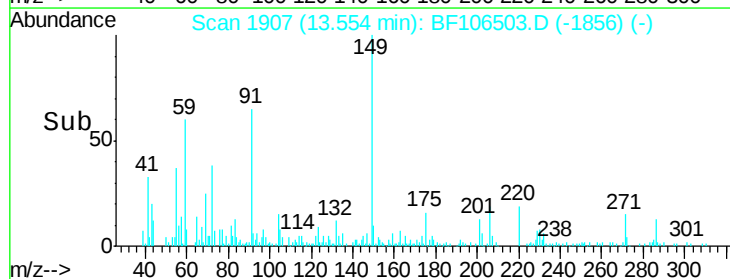
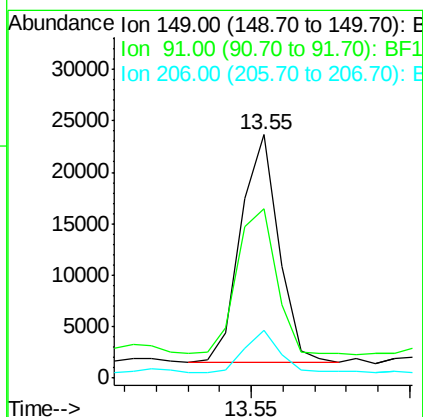
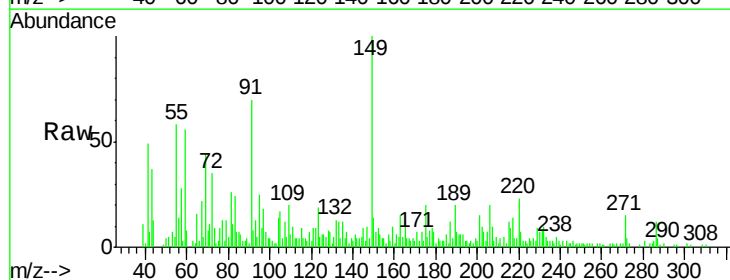
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

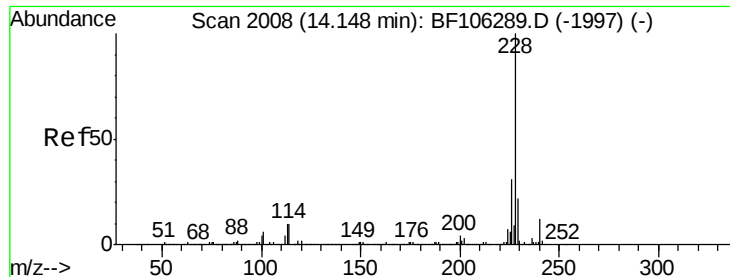
Tgt Ion: 244 Resp: 455356
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.5 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 2.379 ng
 RT: 13.55 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion: 149 Resp: 18260
 Ion Ratio Lower Upper
 149 100
 91 69.7 56.8 85.2
 206 19.8 14.1 21.1





#80

Benzo(a)anthracene

Concen: 23.043 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-5

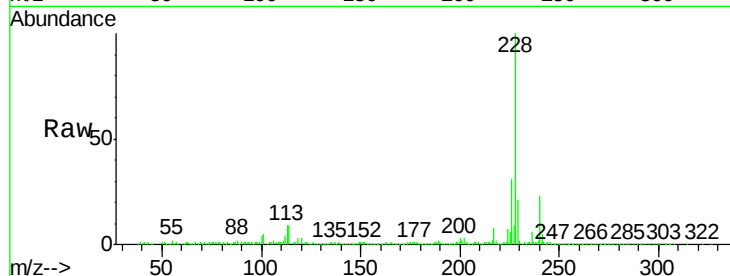
Tgt Ion:228 Resp: 449141

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

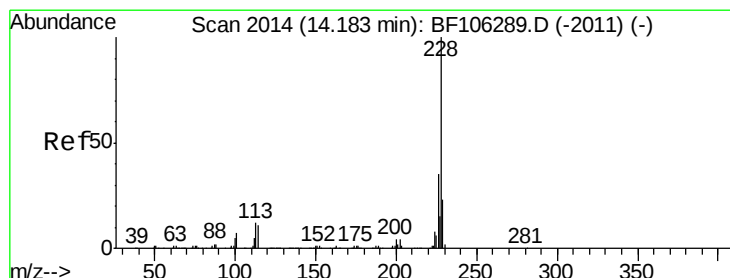
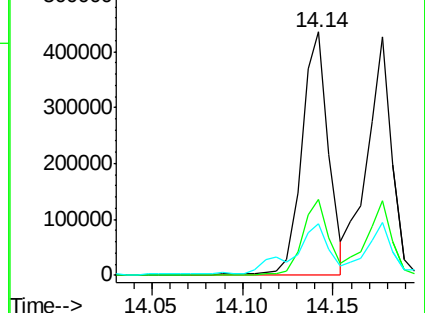
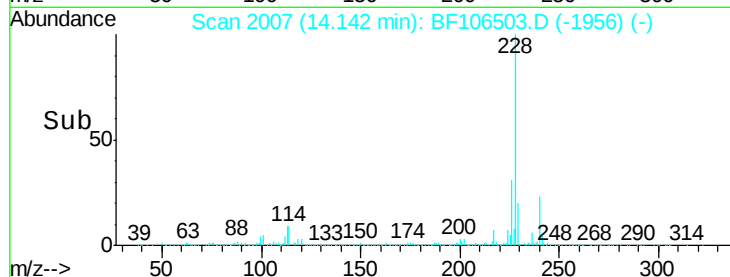
229 21.1 15.8 23.6



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: 22.912 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

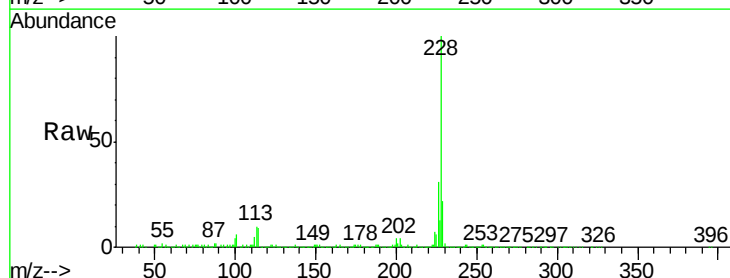
Tgt Ion:228 Resp: 407744

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

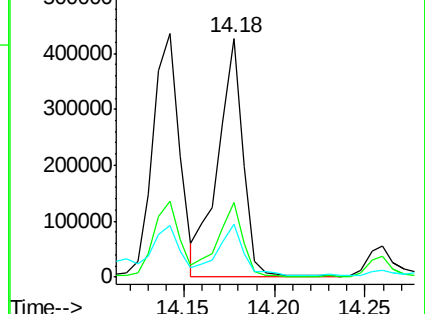
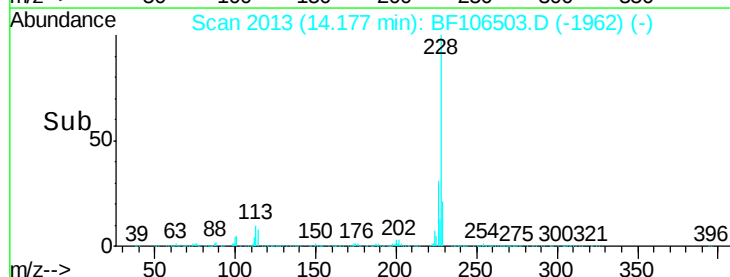
229 22.2 16.2 24.4

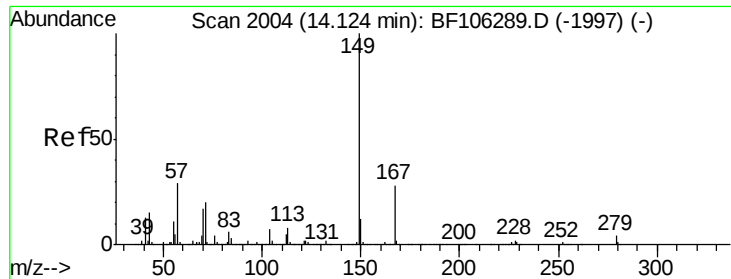


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

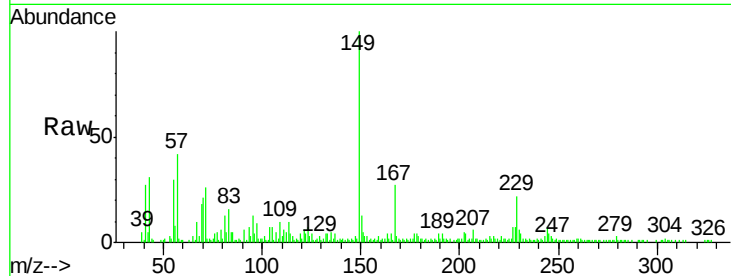




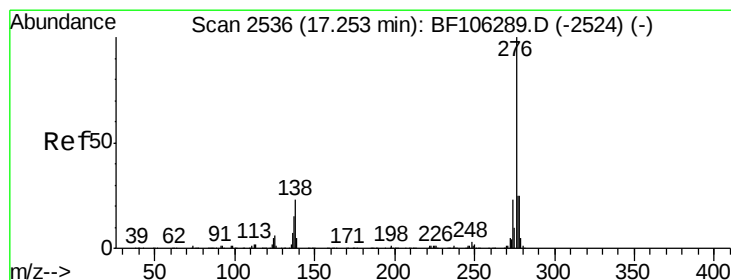
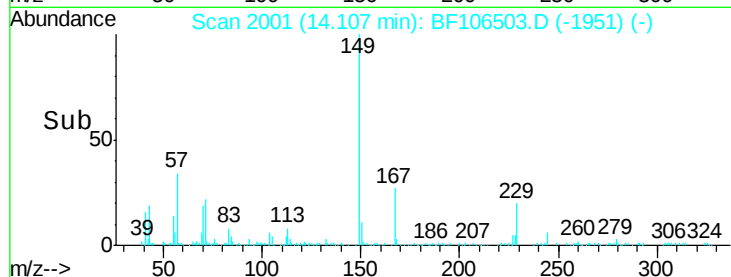
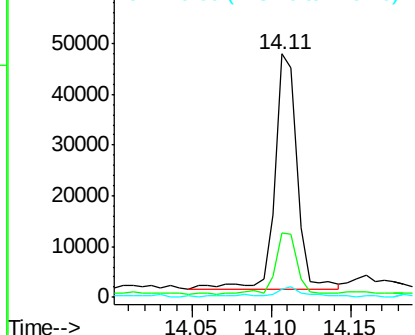
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.067 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:149 Resp: 44757
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.3 31.9
 279 3.1 3.0 4.4

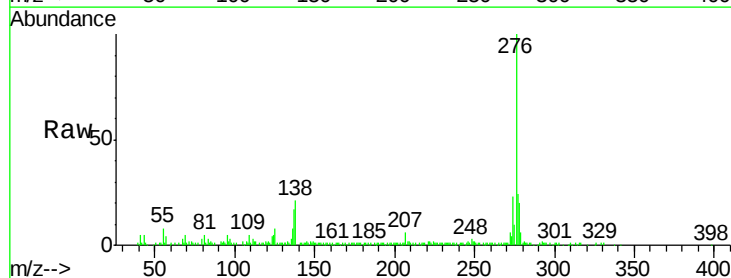


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

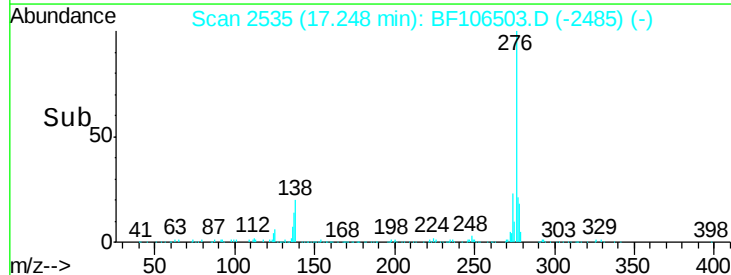
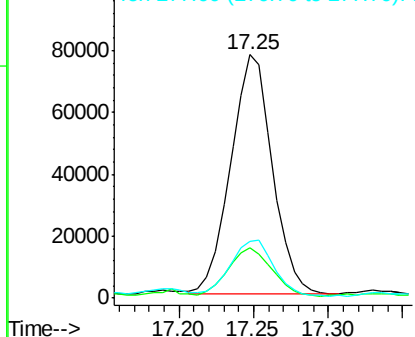


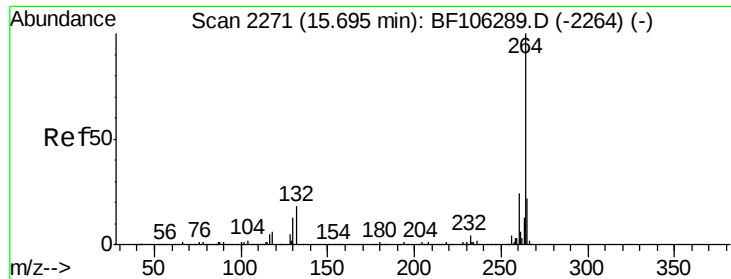
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.482 ng
 RT: 17.25 min Scan# 2535
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion:276 Resp: 148870
 Ion Ratio Lower Upper
 276 100
 138 20.9 25.0 37.6#
 277 24.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



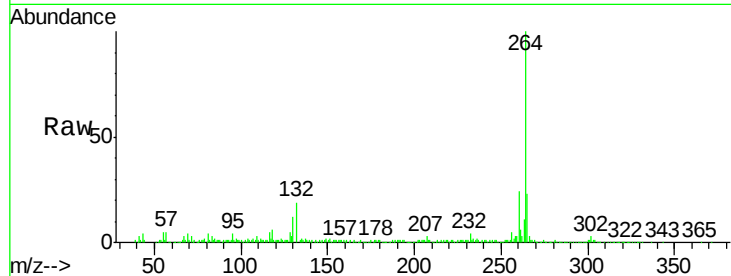


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

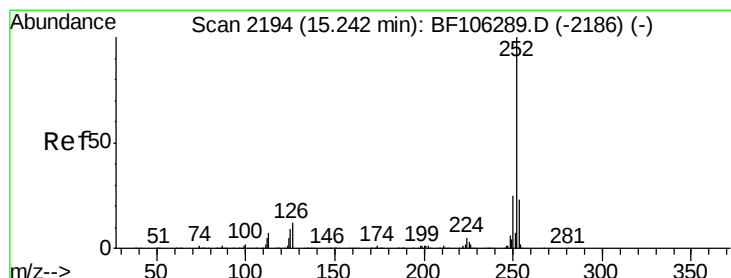
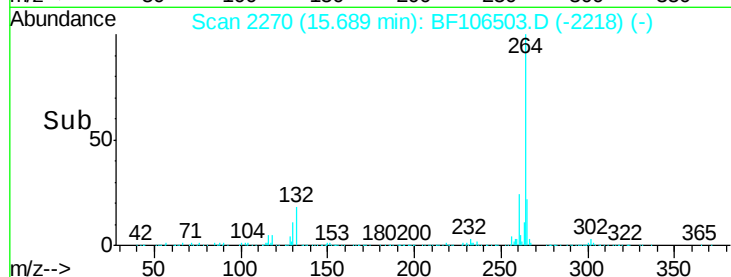
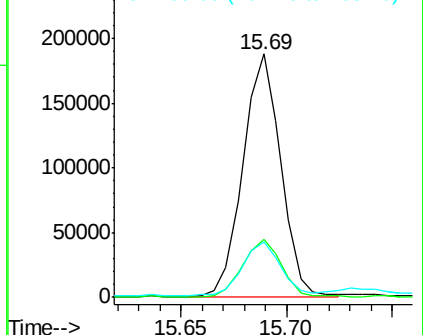
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 264 Resp: 232102

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.5	26.3



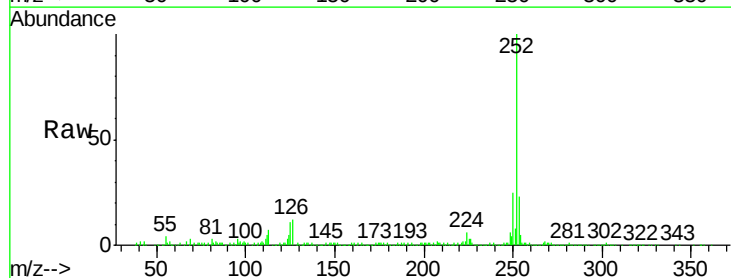
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



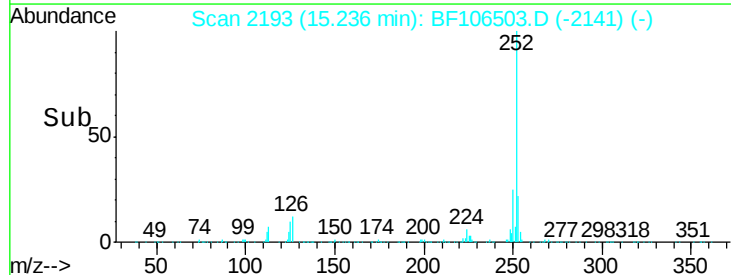
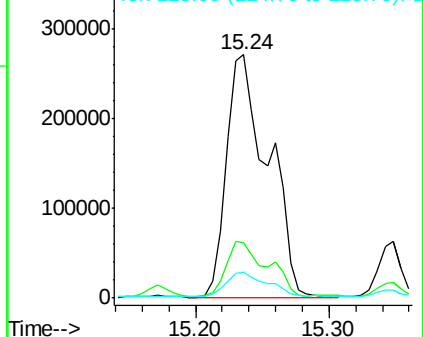
#87
Benzo(b)fluoranthene
Concen: 41.828 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

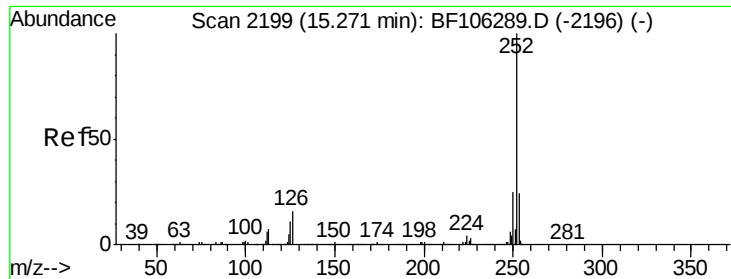
Tgt Ion: 252 Resp: 586866

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.8	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

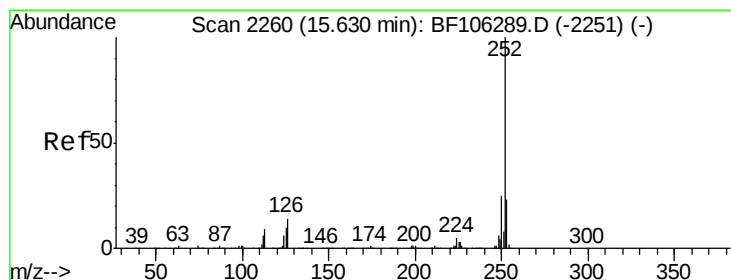
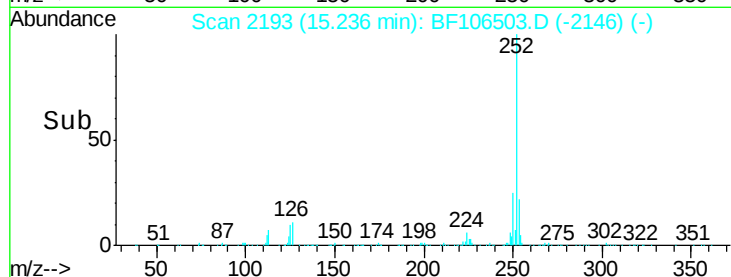
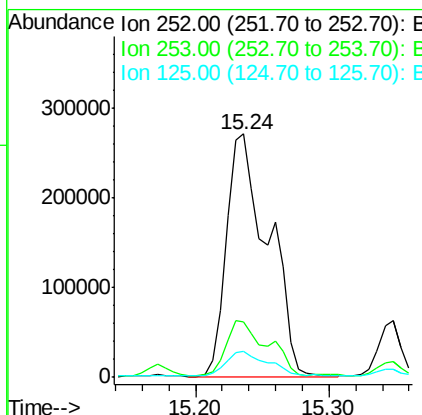
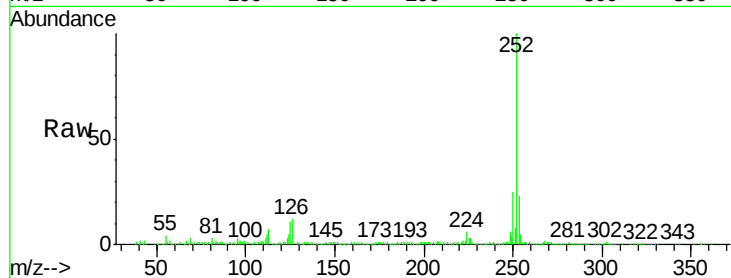




#88
Benzo(k)fluoranthene
Concen: 42.235 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

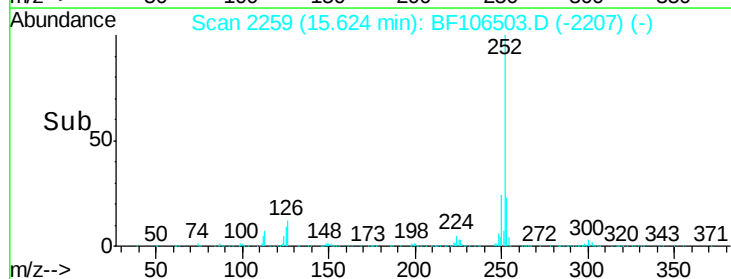
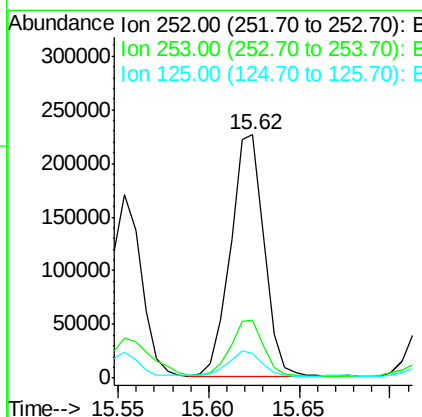
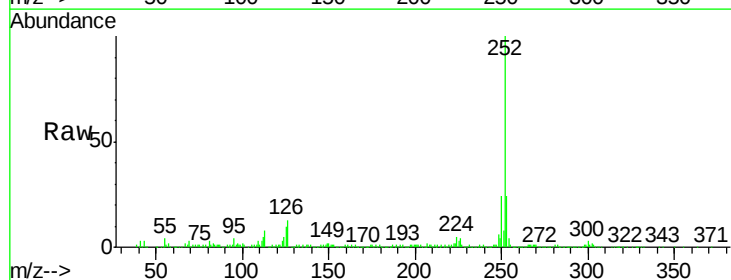
Instrument :
BNA_F
ClientSampleId :
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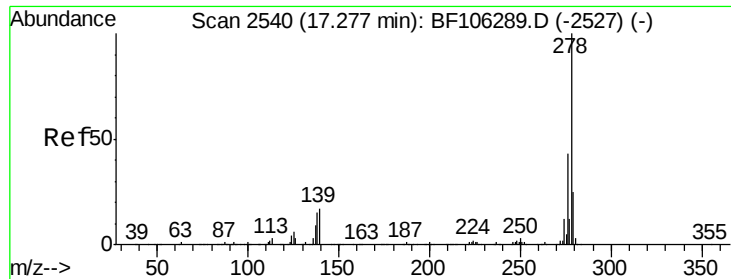
Tgt Ion:252 Resp: 586866
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 10.8 10.2 15.2



#89
Benzo(a)pyrene
Concen: 23.006 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:252 Resp: 290326
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 10.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.023 ng

RT: 17.44 min Scan# 2568

Delta R.T. 0.18 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

ClientSampleId :

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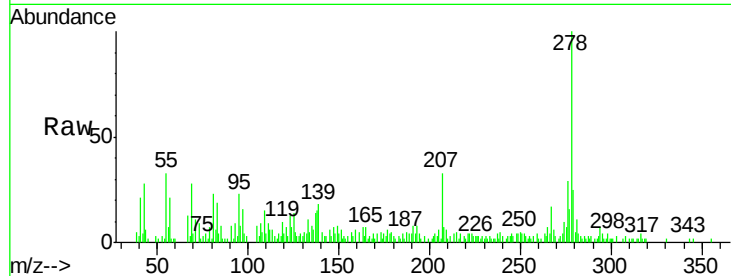
Tgt Ion:278 Resp: 31800

Ion Ratio Lower Upper

278 100

139 18.3 15.9 23.9

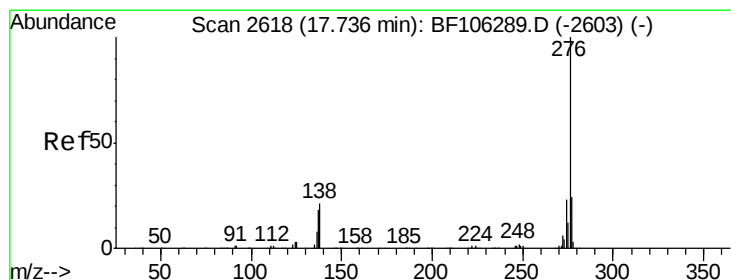
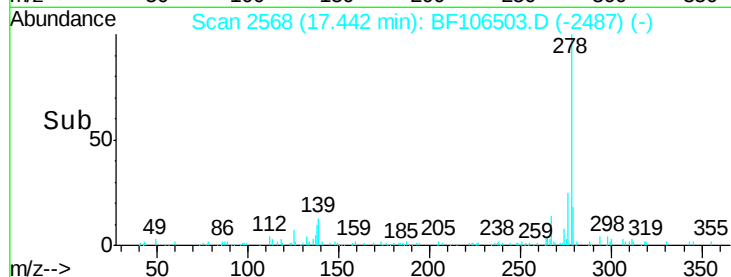
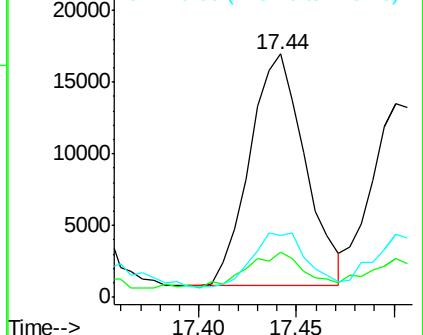
279 25.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.376 ng

RT: 17.73 min Scan# 2617

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

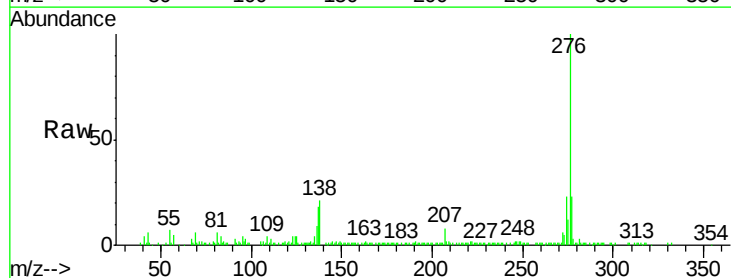
Tgt Ion:276 Resp: 146984

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 21.2 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

