

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106510.D
 Acq On : 15 Jun 2018 23:24
 Operator : JU/SJ
 Sample : J3486-07 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-10

Quant Time: Jun 16 02:06:29 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	110428	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	396595	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	177692	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	347184	20.00	ng	0.00
75) Chrysene-d12	14.15	240	302379	20.00	ng	0.00
86) Perylene-d12	15.69	264	235226	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	298315	45.72	ng	0.00
7) Phenol-d6	6.61	99	363924	44.15	ng	0.00
23) Nitrobenzene-d5	7.52	82	217538	32.27	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	86504	50.60	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	388580	28.90	ng	0.00
78) Terphenyl-d14	13.08	244	432751	35.55	ng	0.00

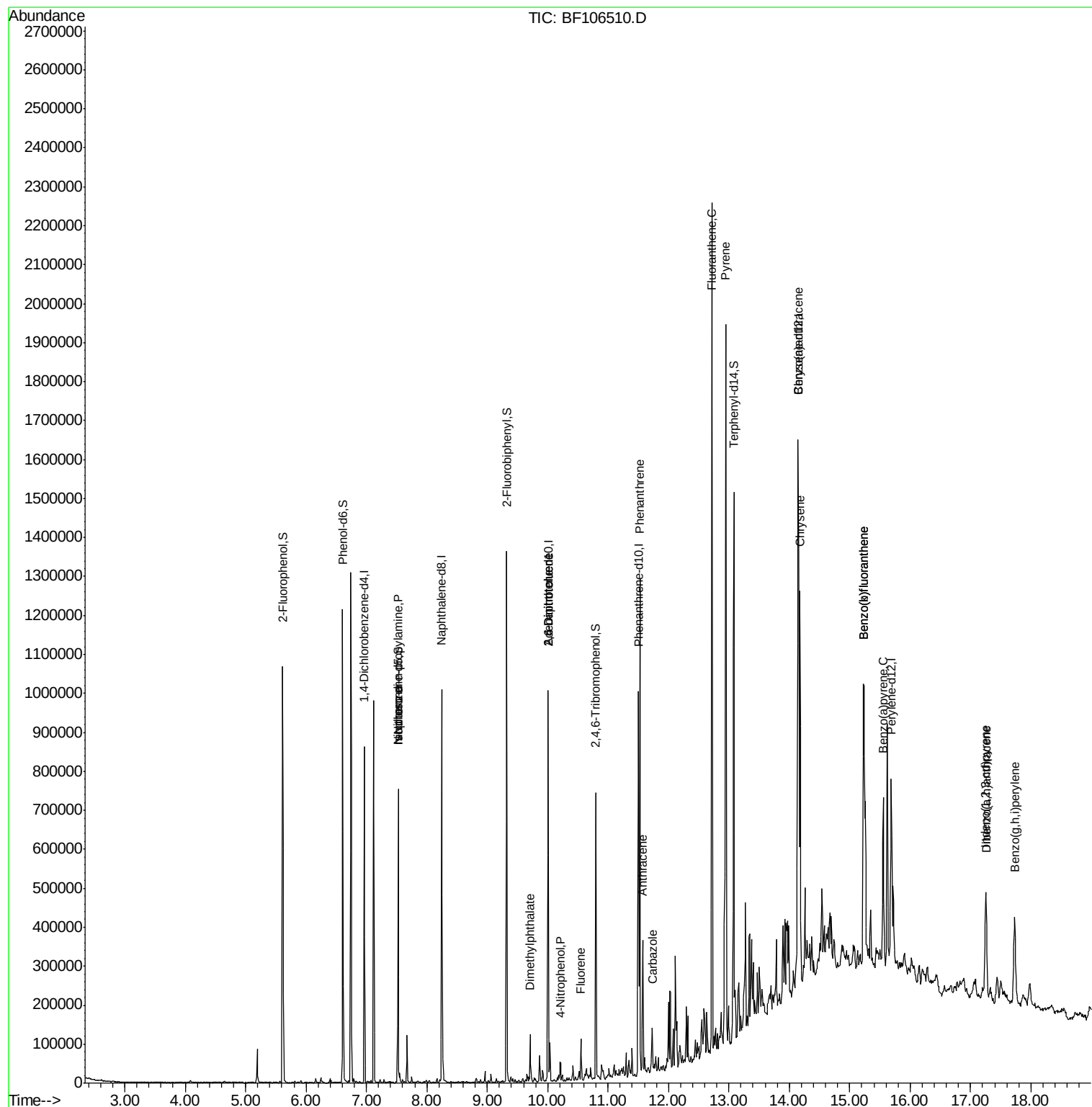
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	29101	4.706	ng	# 75
25) Isophorone	7.52	82	217535	16.520	ng	# 64
49) Dimethylphthalate	9.71	163	42436	3.343	ng	# 98
50) 2,6-Dinitrotoluene	10.01	165	22816	8.798	ng	# 26
55) 4-Nitrophenol	10.21	139	6809	2.886	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	22816	7.006	ng	# 23
57) Fluorene	10.55	166	26939	2.319	ng	99
70) Phenanthrene	11.52	178	429340	25.251	ng	99
71) Anthracene	11.57	178	125897	7.391	ng	99
72) Carbazole	11.73	167	41324	2.628	ng	99
74) Fluoranthene	12.72	202	893949	49.300	ng	98
77) Pyrene	12.95	202	810122	42.794	ng	98
80) Benzo(a)anthracene	14.14	228	489880	27.224	ng	98
82) Chrysene	14.18	228	391822	23.850	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	198616	15.148	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	634228	44.604	ng	97
88) Benzo(k)fluoranthene	15.24	252	634228	45.037	ng	97
89) Benzo(a)pyrene	15.55	252	224334	17.540	ng	95
90) Dibenzo(a,h)anthracene	17.27	278	48167	4.517	ng	93
91) Benzo(g,h,i)perylene	17.73	276	195155	18.833	ng	92

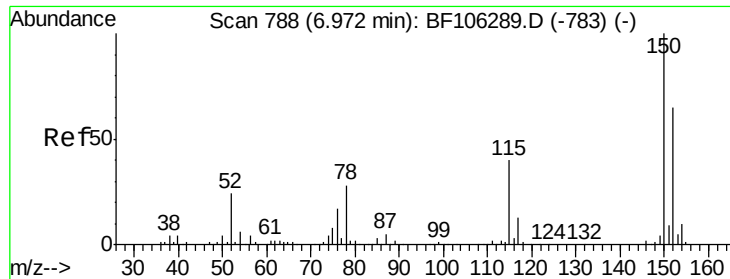
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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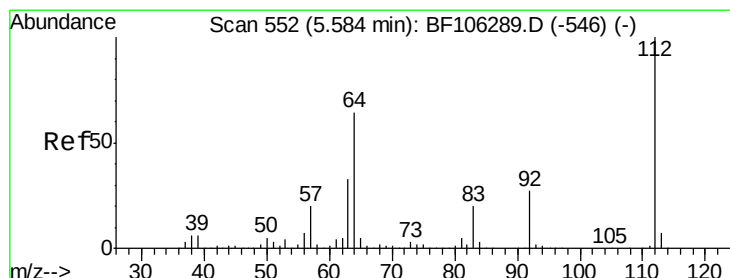
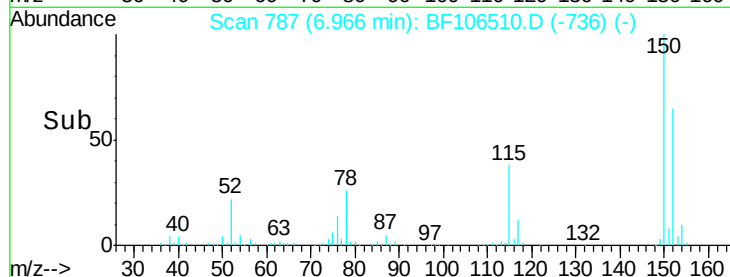
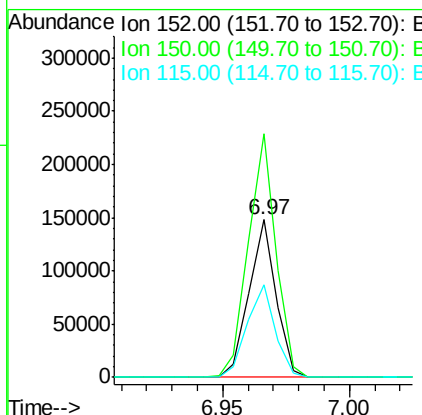
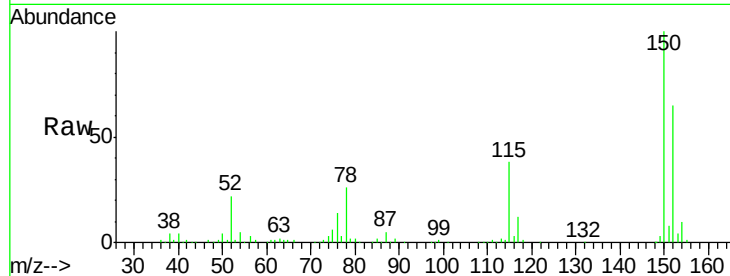




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF106510.D
 Acq: 15 Jun 2018 23:24

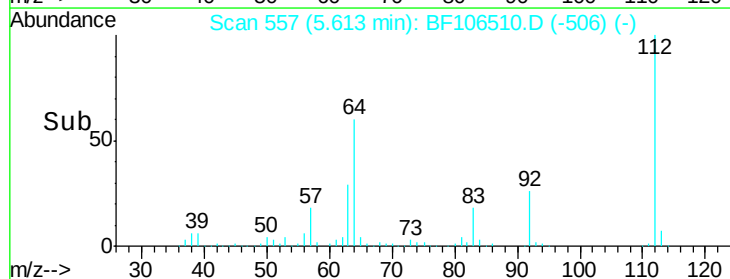
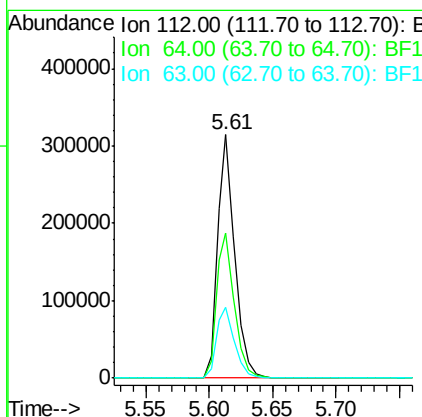
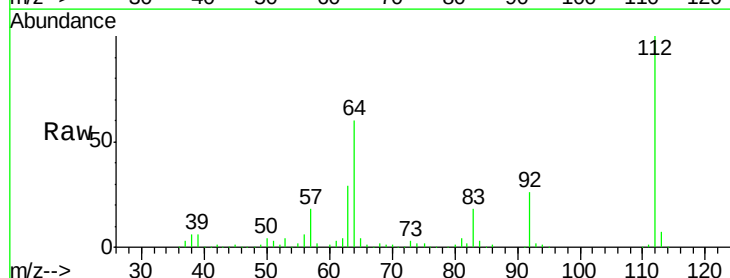
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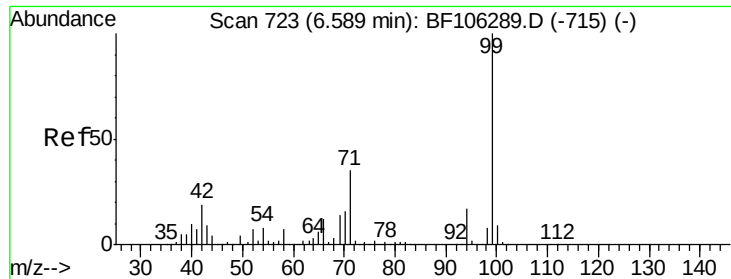
Tgt Ion:152 Resp: 110428
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.6 186.8
 115 59.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 45.722 ng
 RT: 5.61 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: BF106510.D
 Acq: 15 Jun 2018 23:24

Tgt Ion:112 Resp: 298315
 Ion Ratio Lower Upper
 112 100
 64 59.8 47.9 71.9
 63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 44.149 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

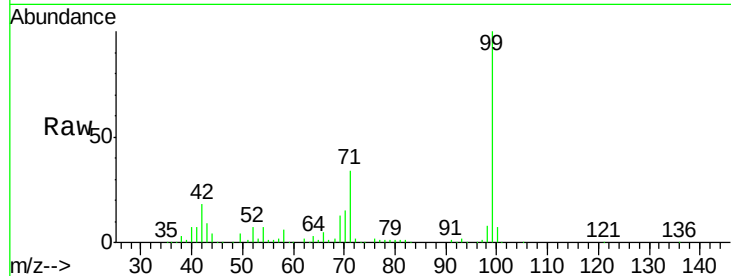
Tgt Ion: 99 Resp: 363924

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

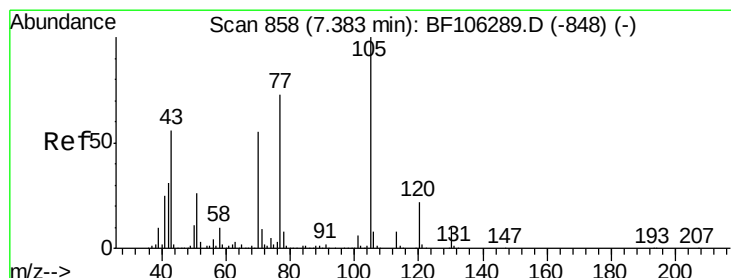
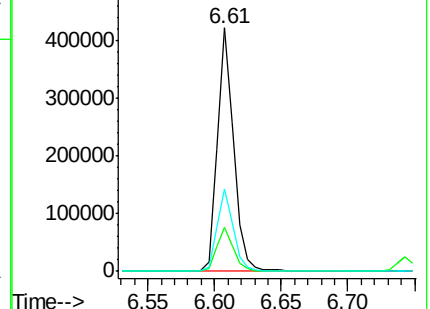
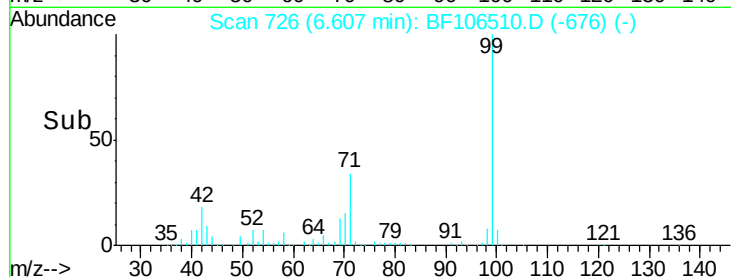
71 33.9 25.4 38.0



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: 4.706 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Tgt Ion: 70 Resp: 29101

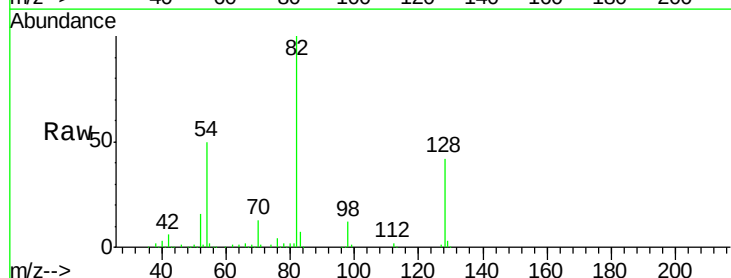
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

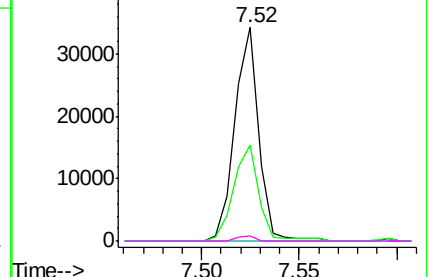
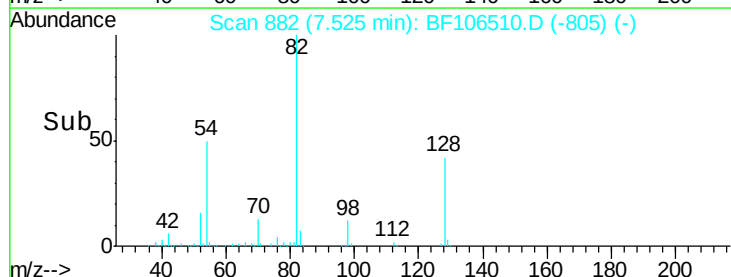


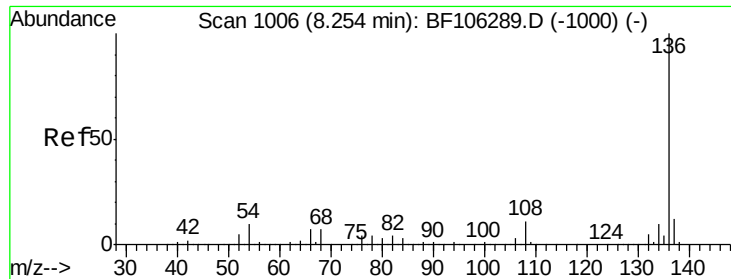
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

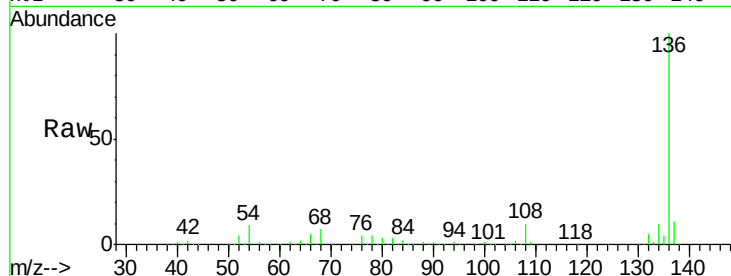




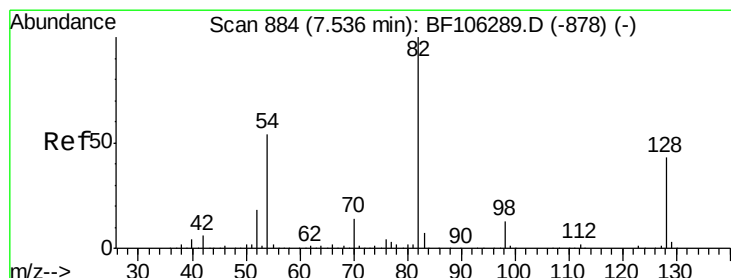
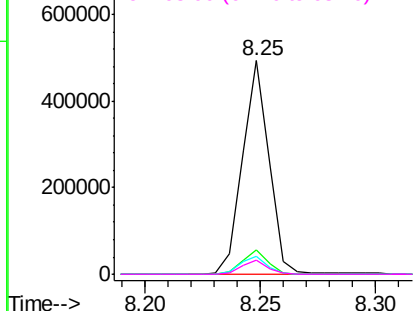
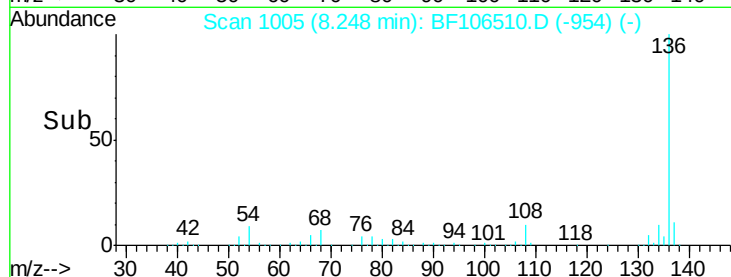
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	396595
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	6.8	5.0	7.4

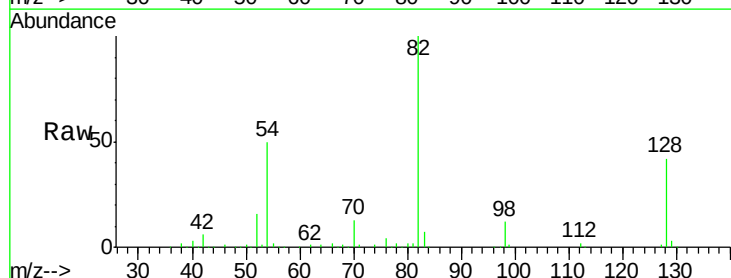


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

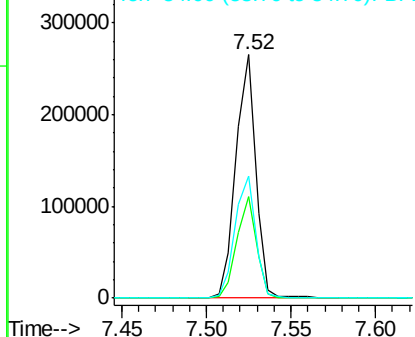
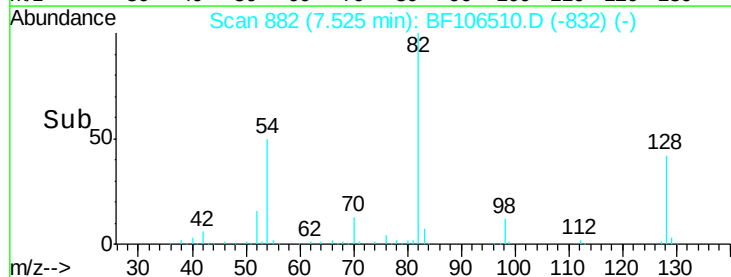


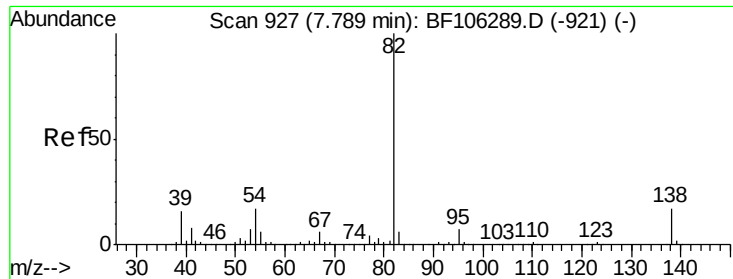
#23
Nitrobenzene-d5
Concen: 32.268 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Tgt Ion:	82	Resp:	217538
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	50.3	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: 16.520 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

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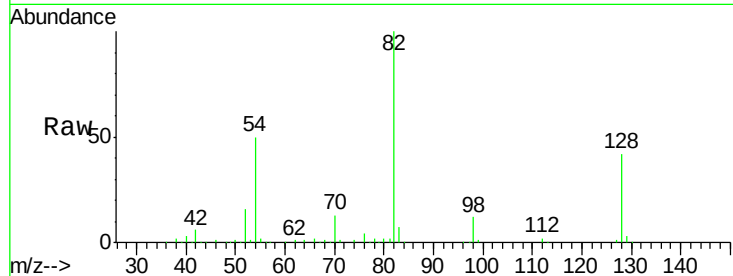
Tgt Ion: 82 Resp: 217535

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

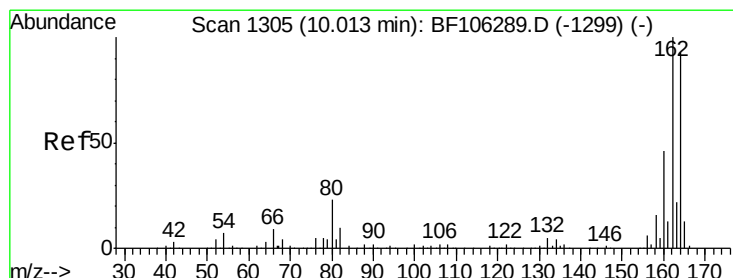
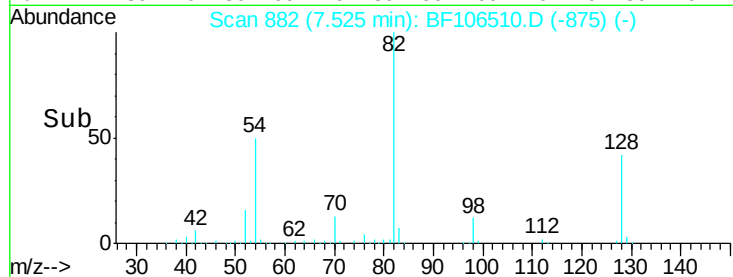
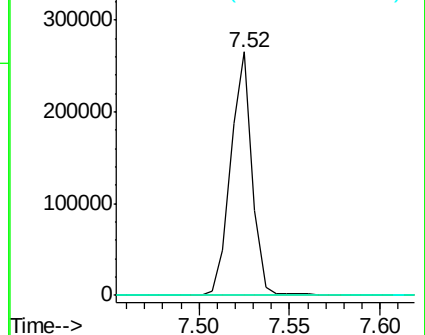
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

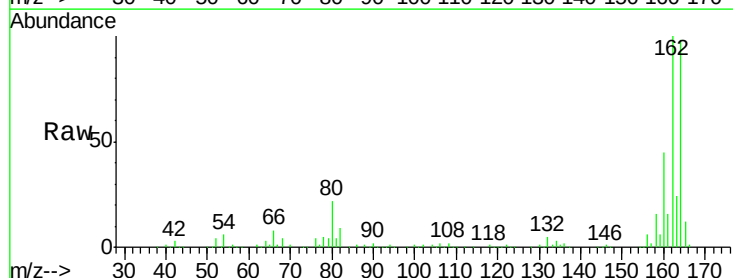
Tgt Ion: 164 Resp: 177692

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

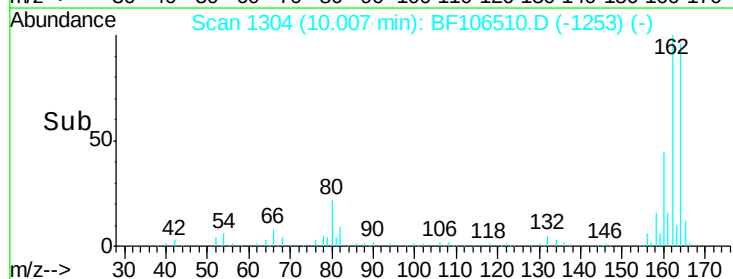
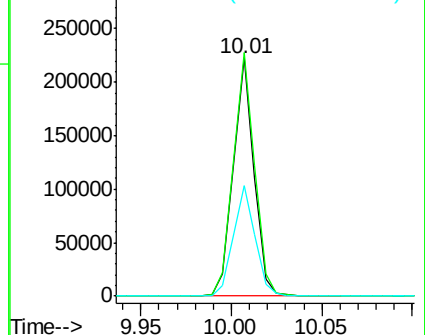
160 46.3 38.3 57.5

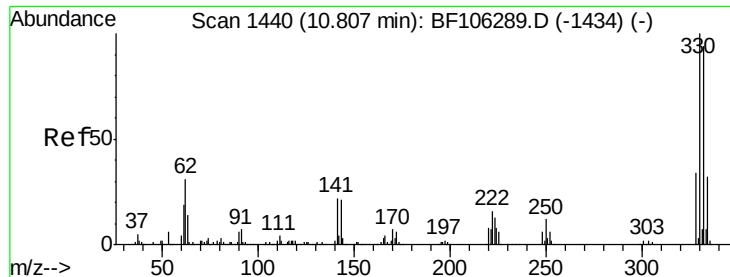


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

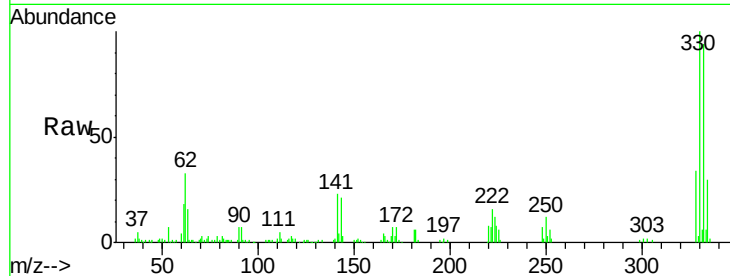




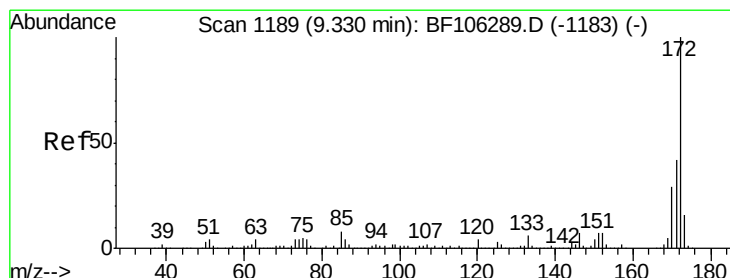
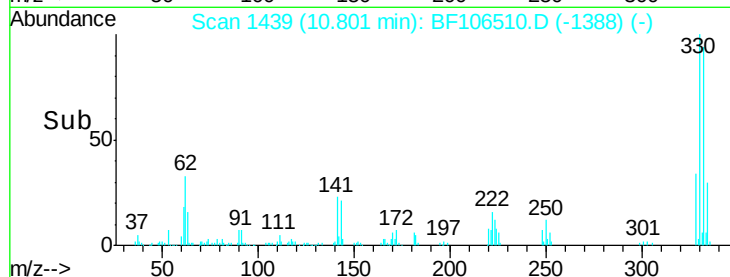
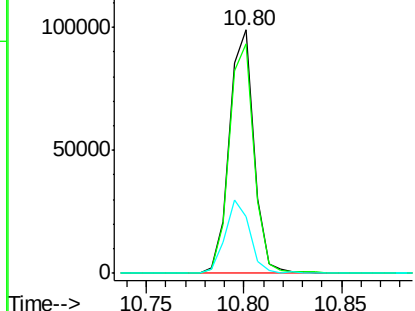
#41
 2,4,6-Tribromophenol
 Concen: 50.596 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106510.D
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Tgt Ion:330 Resp: 86504
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 30.3 29.9 44.9

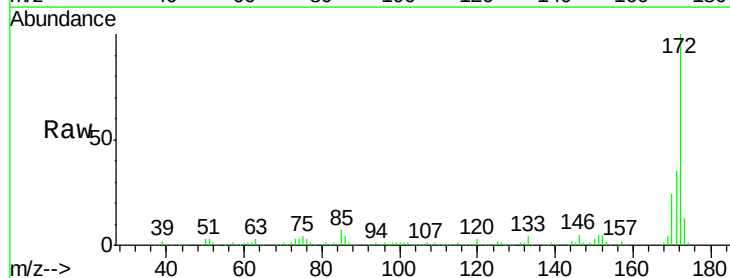


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

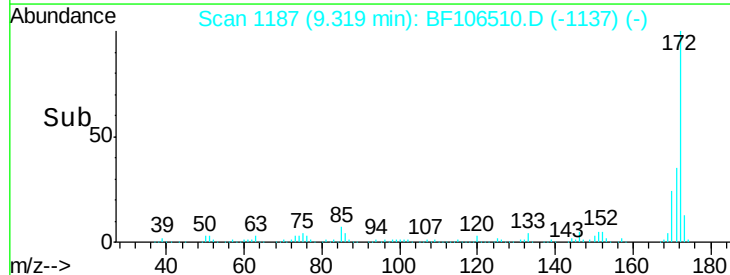
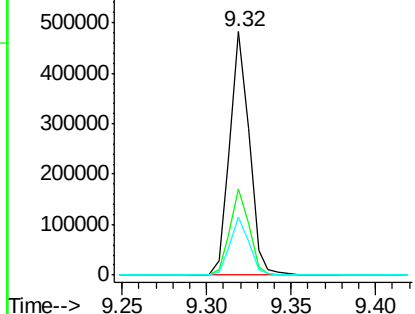


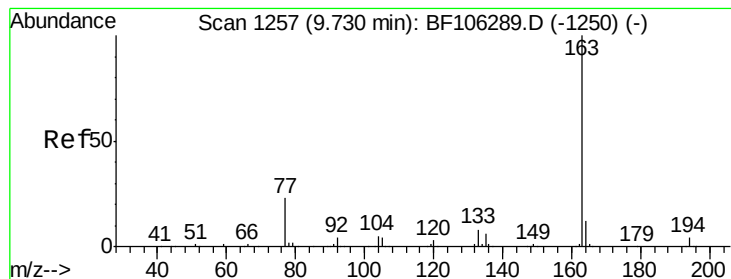
#44
 2-Fluorobiphenyl
 Concen: 28.904 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106510.D
 Acq: 15 Jun 2018 23:24

Tgt Ion:172 Resp: 388580
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.8 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: 3.343 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106510.D

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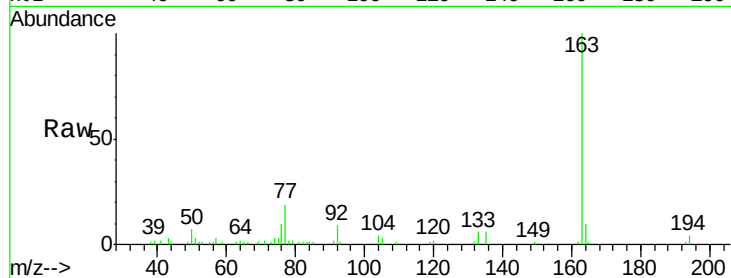
Tgt Ion:163 Resp: 42436

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

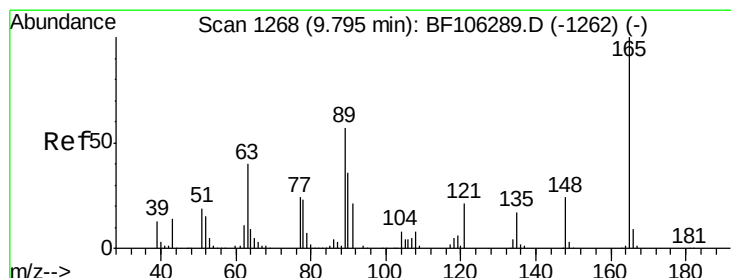
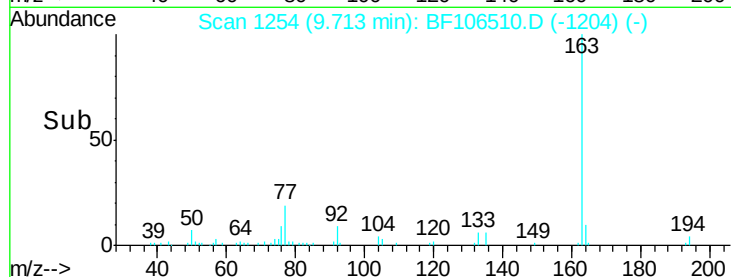
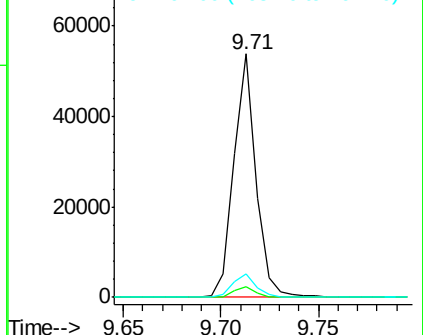
164 9.8 8.2 12.2



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: 8.798 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.22 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

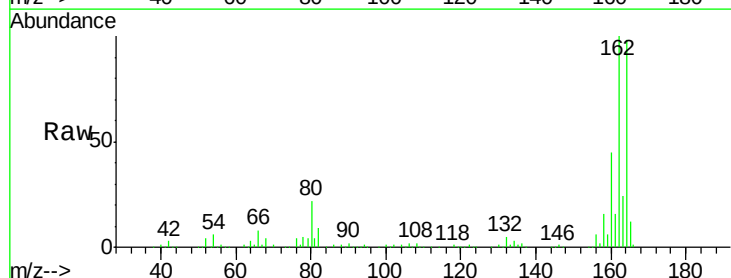
Tgt Ion:165 Resp: 22816

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

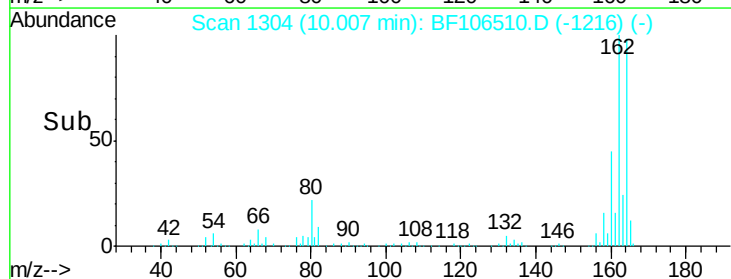
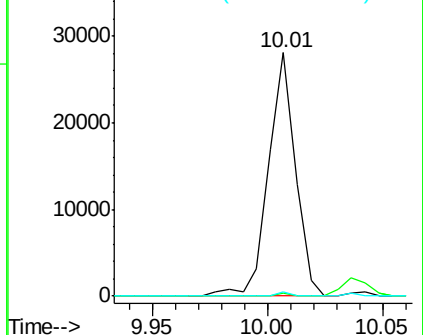
89 1.5 44.0 66.0#

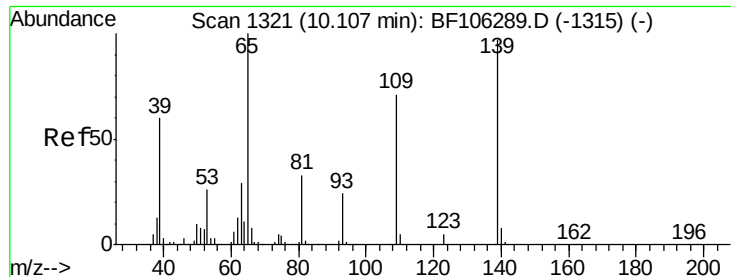


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#55

4-Nitrophenol

Concen: 2.886 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.06 min

Lab File: BF106510.D

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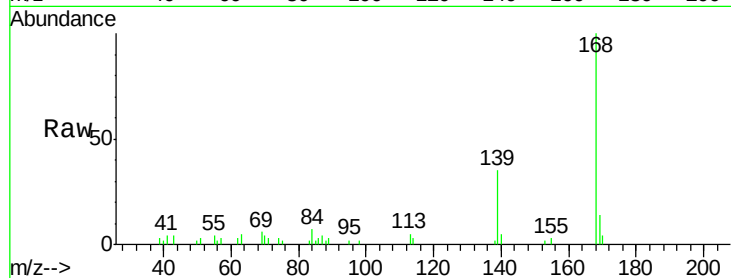
Tgt Ion:139 Resp: 6809

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

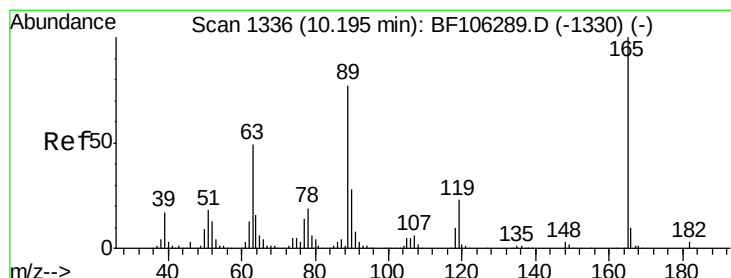
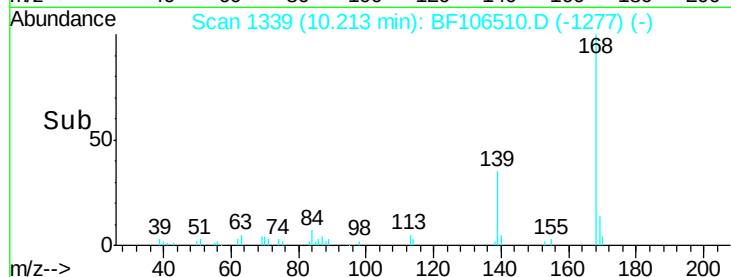
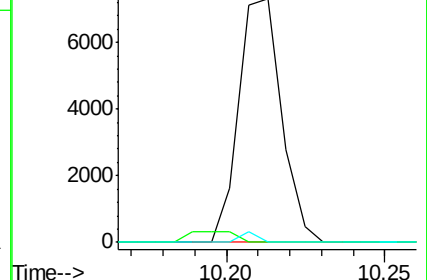
65 0.0 72.6 112.6#



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: 7.006 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.18 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Tgt Ion:165 Resp: 22816

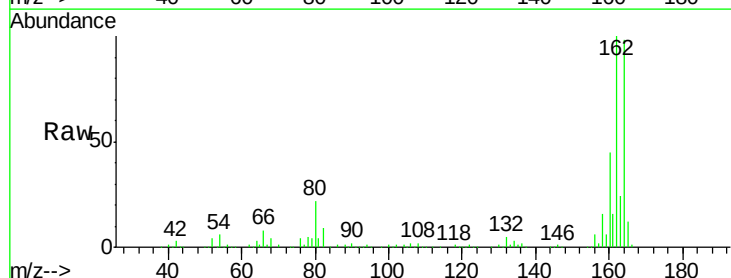
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

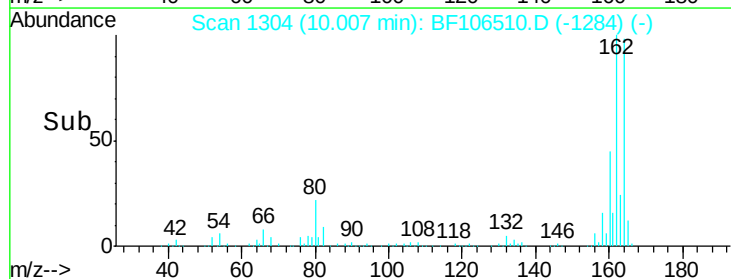
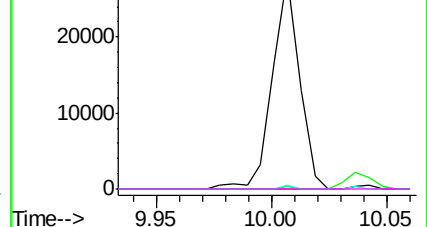


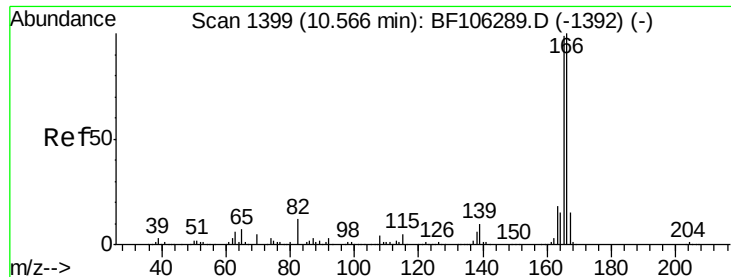
Abundance Ion 165.00 (164.70 to 165.70): E

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

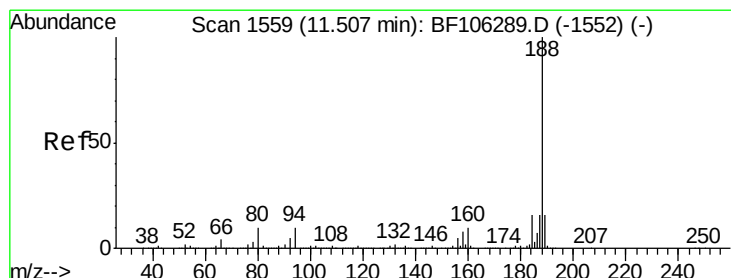
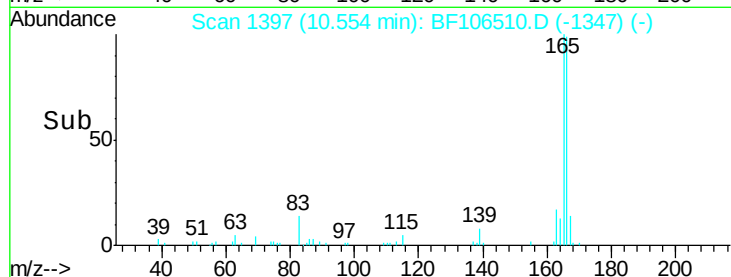
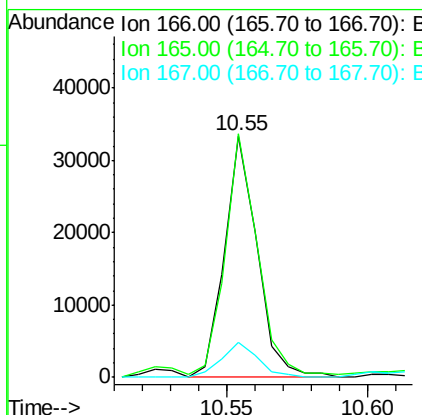
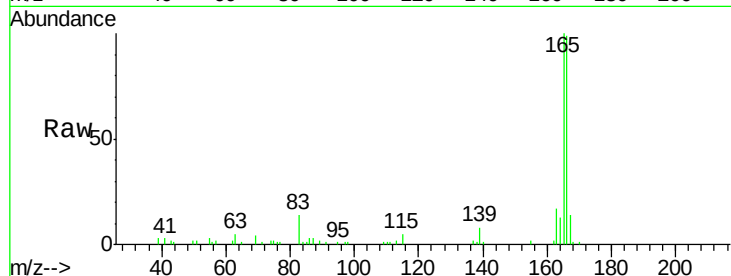




#57
 Fluorene
 Concen: 2.319 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106510.D
 Acq: 15 Jun 2018 23:24

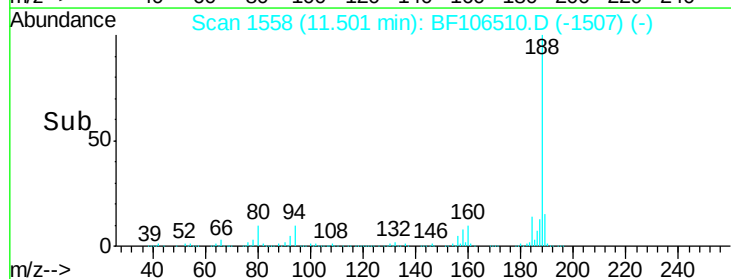
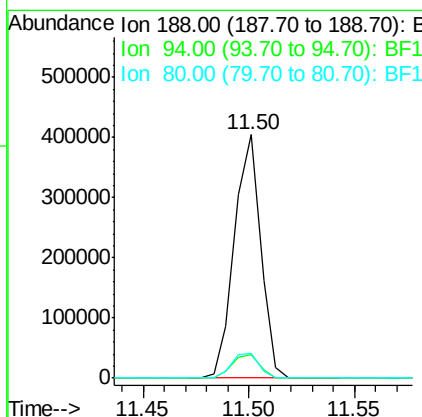
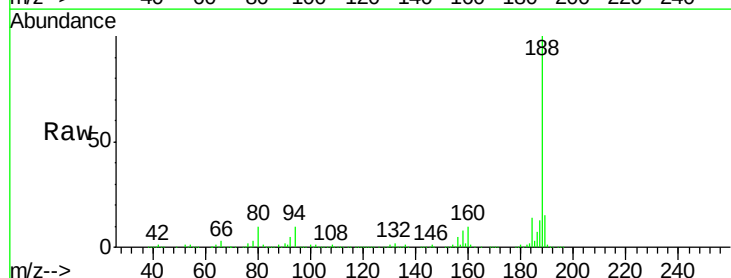
Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-10

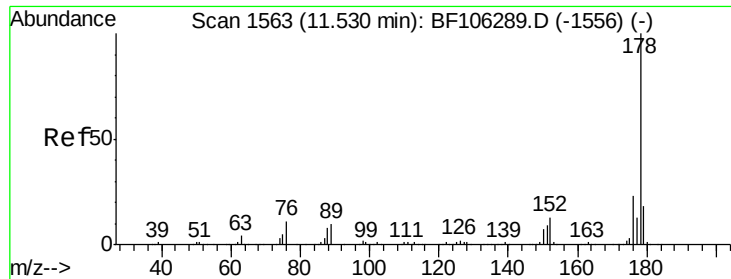
Tgt Ion:166 Resp: 26939
 Ion Ratio Lower Upper
 166 100
 165 101.0 79.8 119.8
 167 14.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF106510.D
 Acq: 15 Jun 2018 23:24

Tgt Ion:188 Resp: 347184
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.0 9.2 13.8

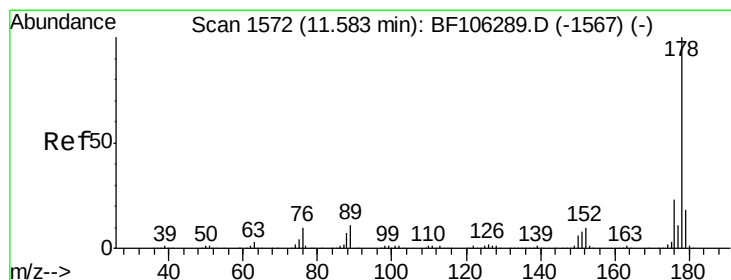
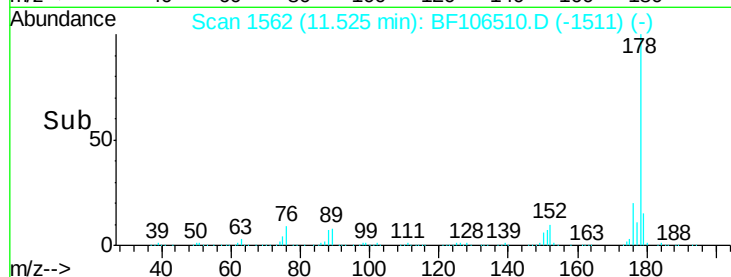
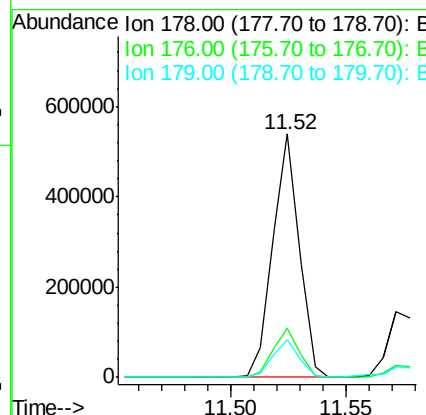
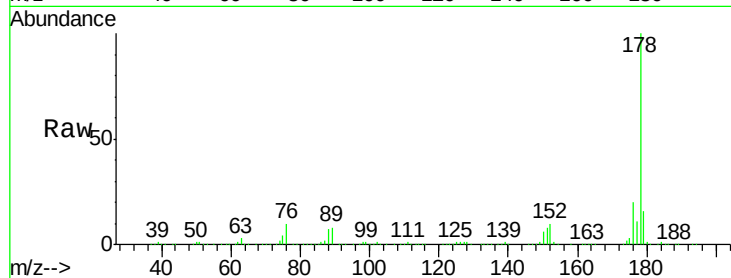




#70
Phenanthrene
Concen: 25.251 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

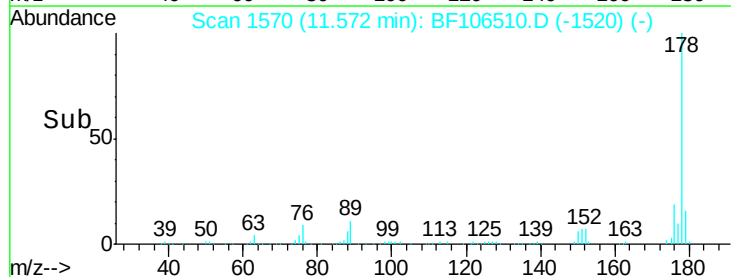
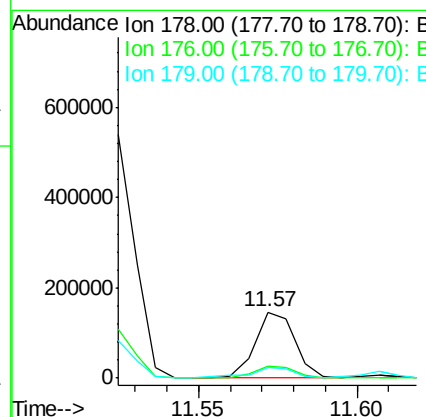
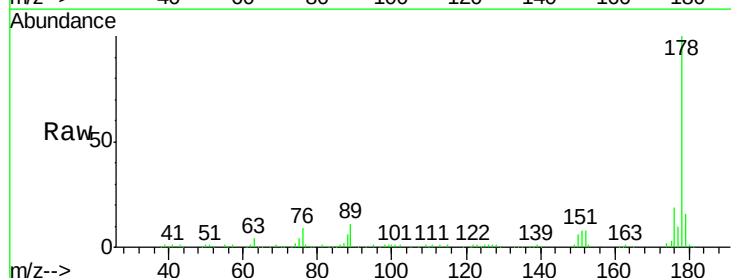
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-10

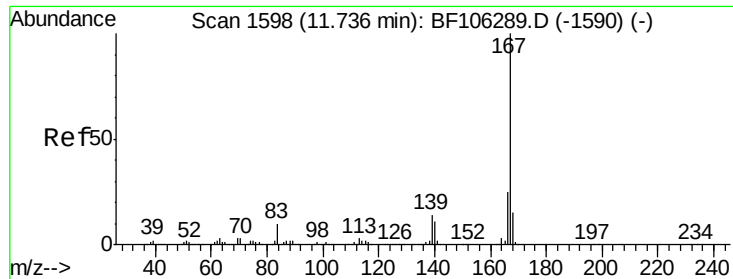
Tgt Ion:178 Resp: 429340
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.5 13.0 19.6



#71
Anthracene
Concen: 7.391 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Tgt Ion:178 Resp: 125897
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.1 12.6 19.0





#72

Carbazole

Concen: 2.628 ng

RT: 11.73 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

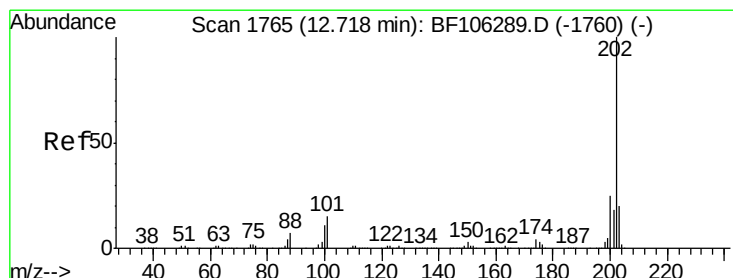
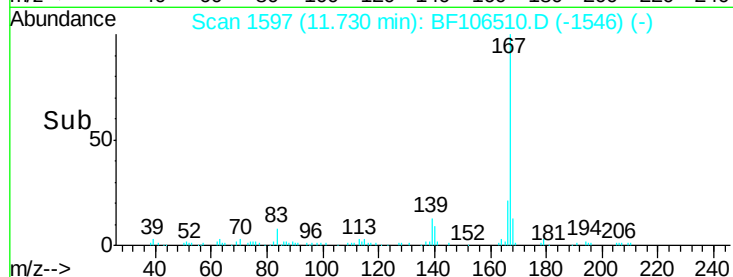
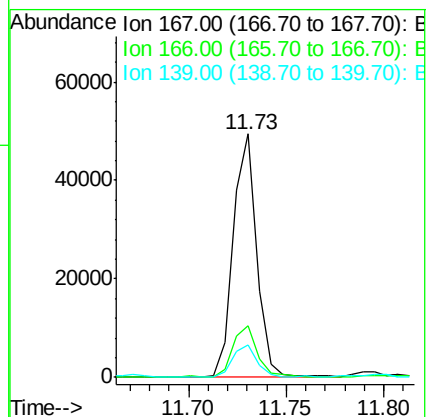
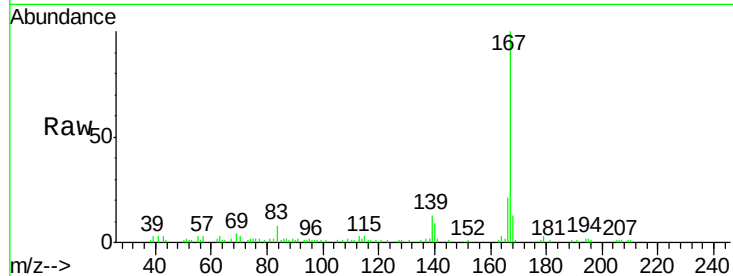
Tgt Ion:167 Resp: 41324

Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

139 13.3 10.9 16.3



#74

Fluoranthene

Concen: 49.300 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

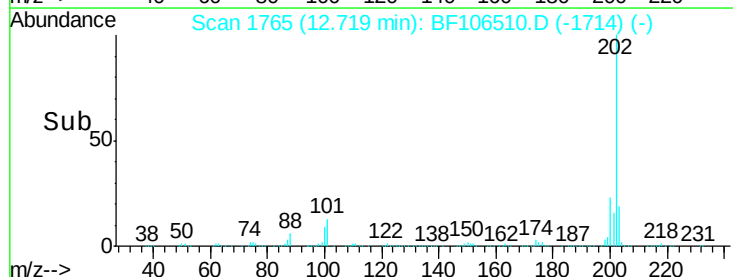
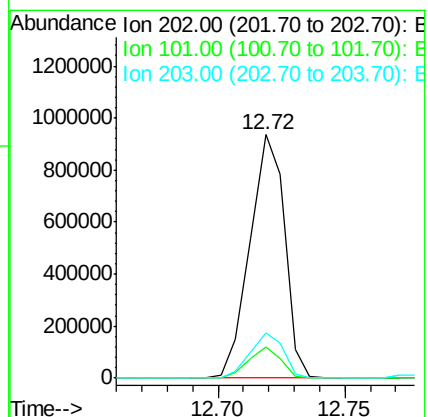
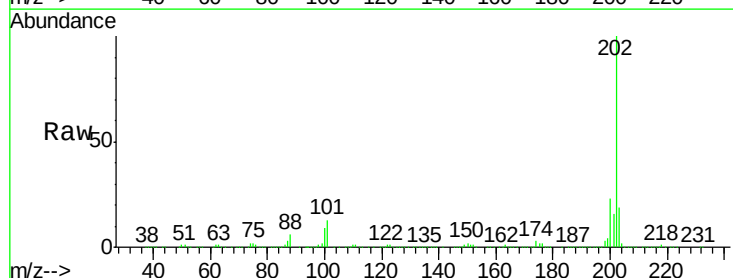
Tgt Ion:202 Resp: 893949

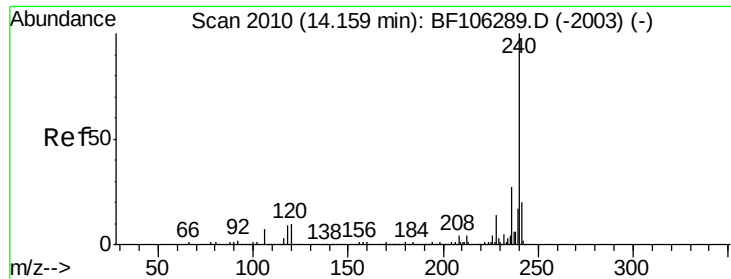
Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

203 18.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

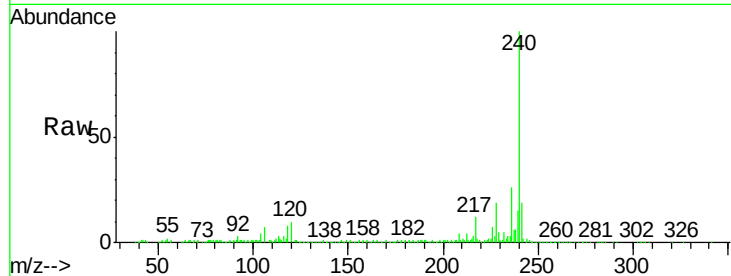
Tgt Ion:240 Resp: 302379

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

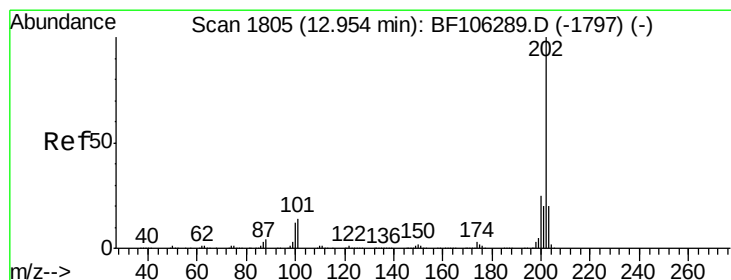
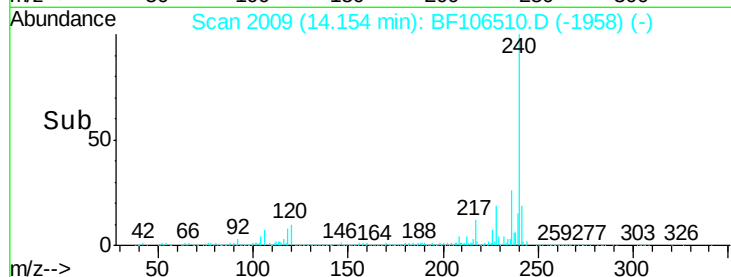
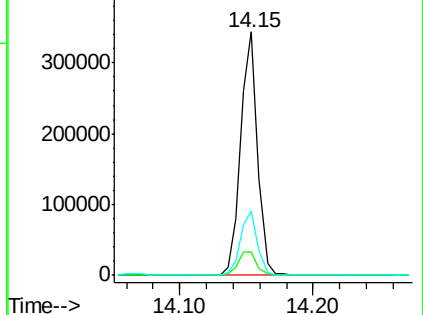
236 26.4 20.7 31.1



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: 42.794 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

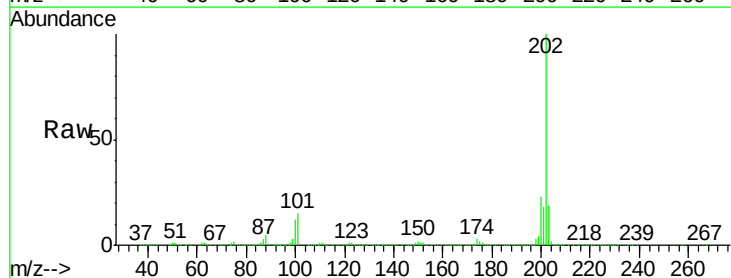
Tgt Ion:202 Resp: 810122

Ion Ratio Lower Upper

202 100

200 22.8 17.4 26.2

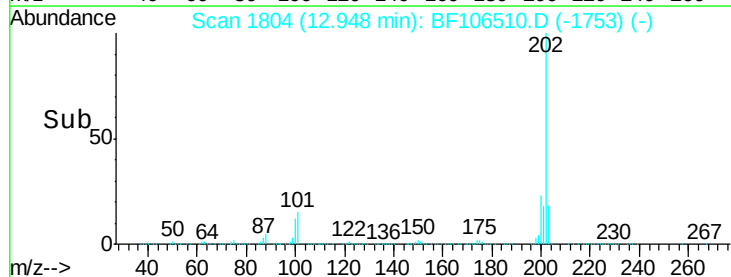
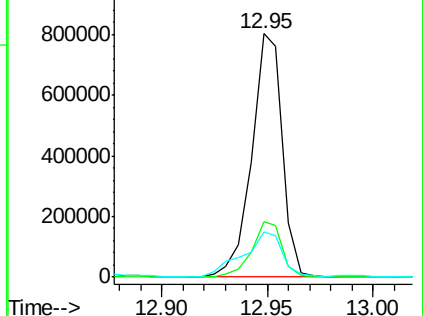
203 18.5 14.3 21.5

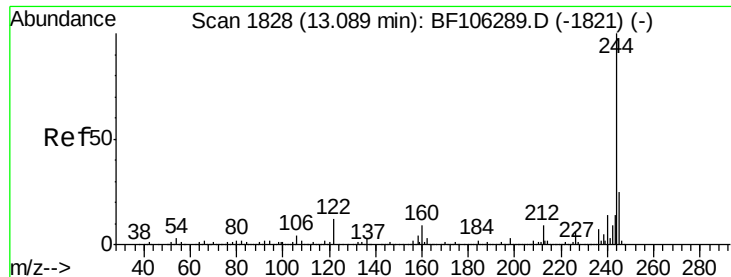


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.547 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

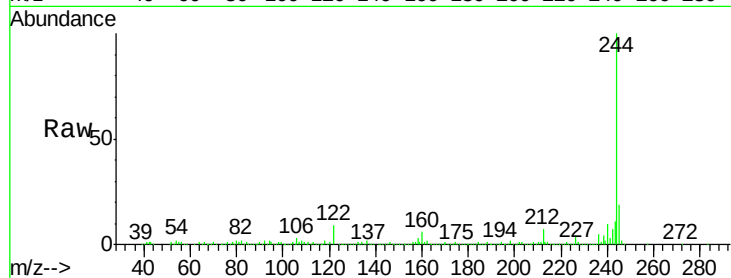
Tgt Ion:244 Resp: 432751

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

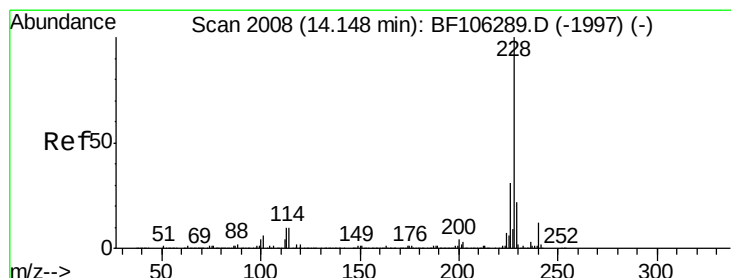
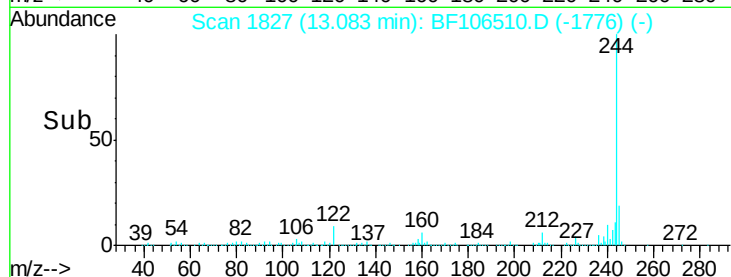
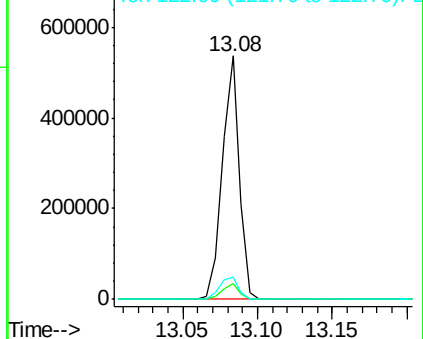
122 9.3 11.0 16.4#



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: 27.224 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

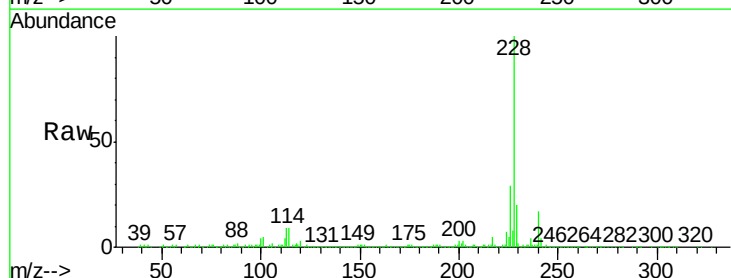
Tgt Ion:228 Resp: 489880

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

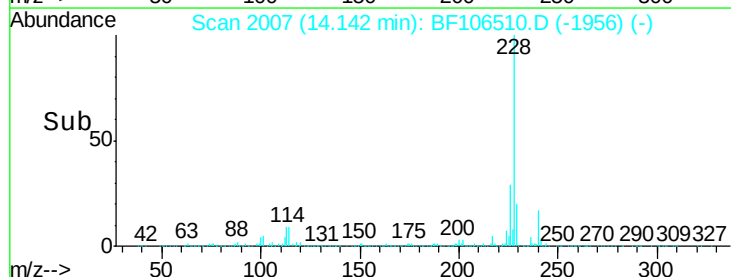
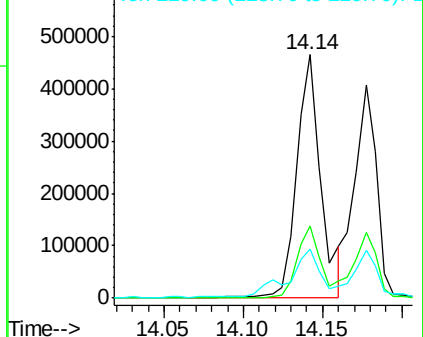
229 20.4 15.8 23.6

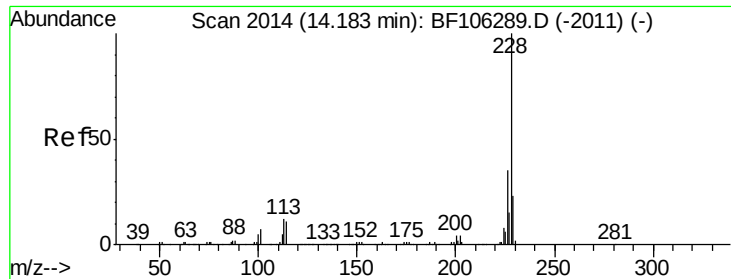


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 23.850 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

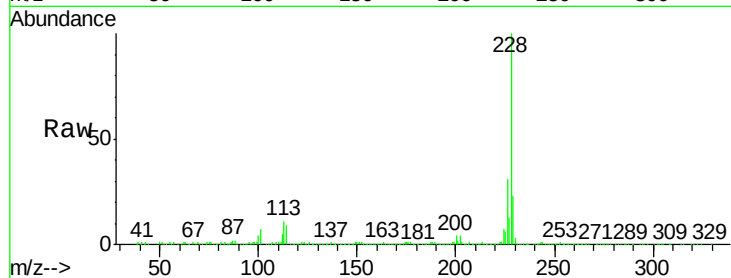
Tgt Ion:228 Resp: 391822

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

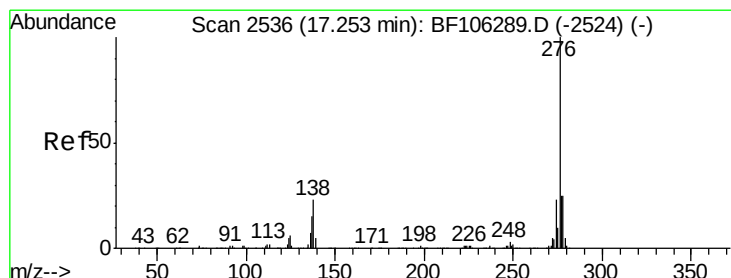
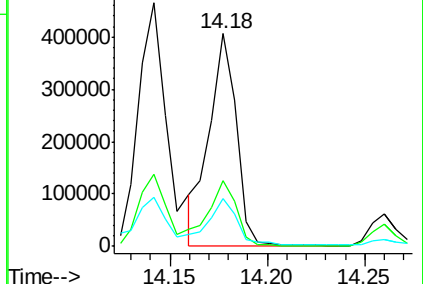
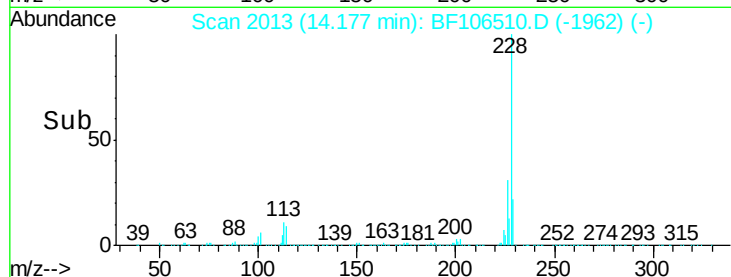
229 22.7 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.148 ng

RT: 17.25 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

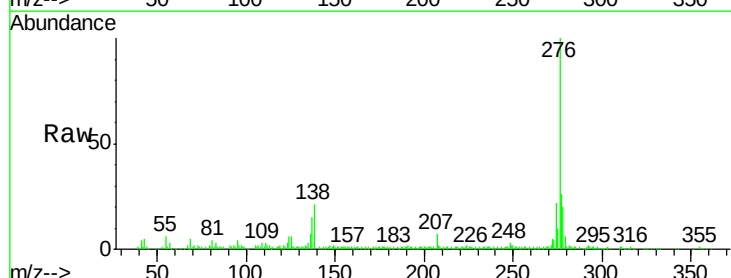
Tgt Ion:276 Resp: 198616

Ion Ratio Lower Upper

276 100

138 21.2 25.0 37.6#

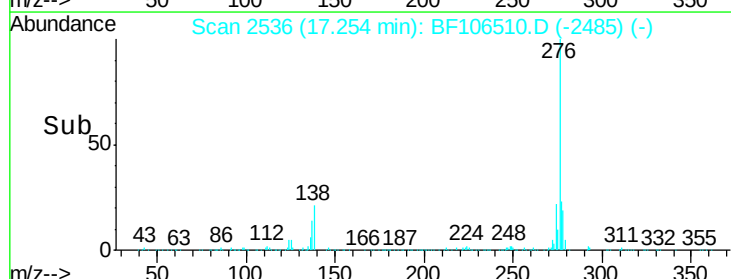
277 24.3 20.1 30.1



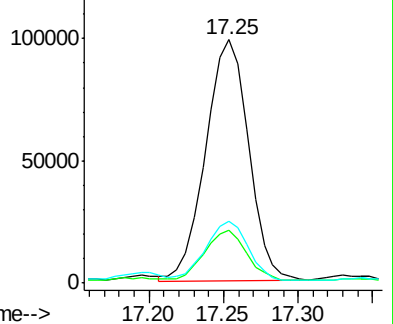
Abundance Ion 276.00 (275.70 to 276.70): E

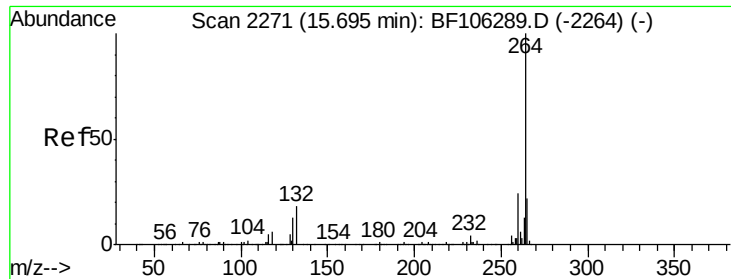
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

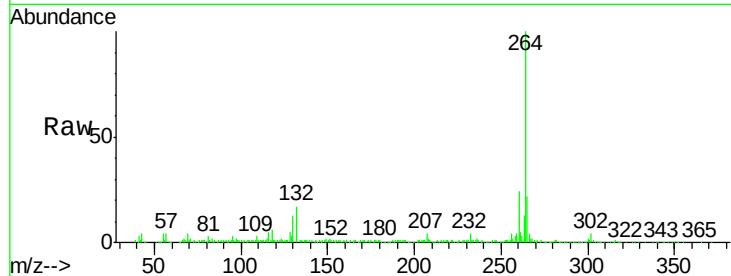




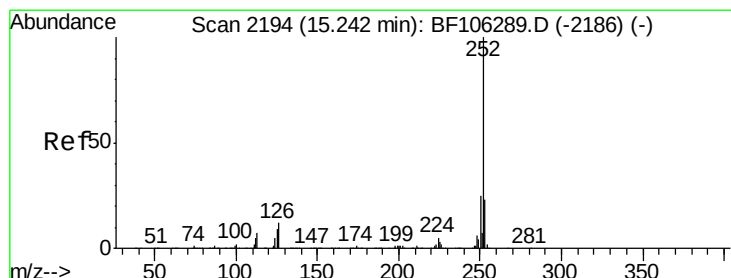
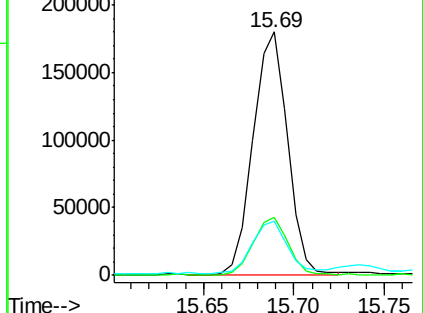
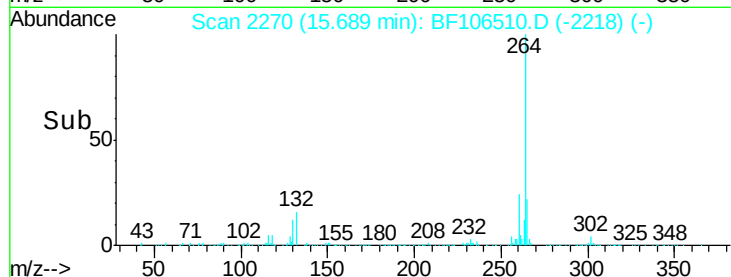
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.5	26.3

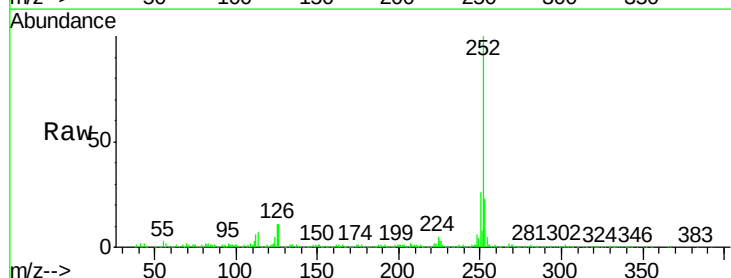


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

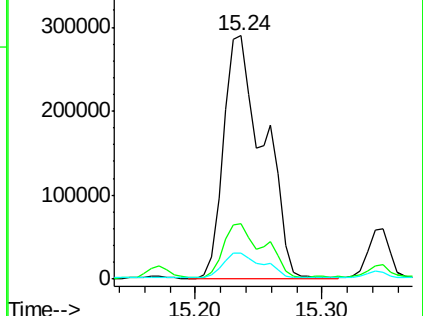
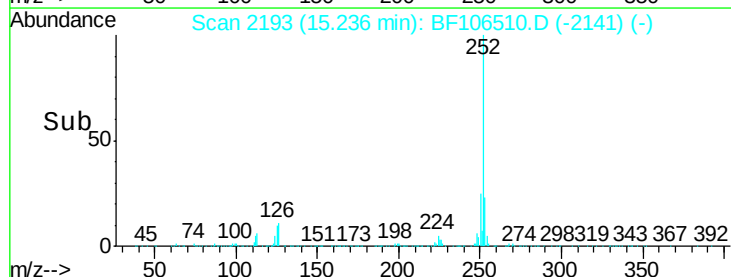


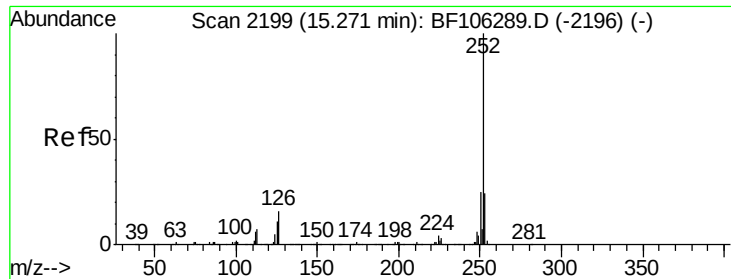
#87
Benzo(b)fluoranthene
Concen: 44.604 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.7	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

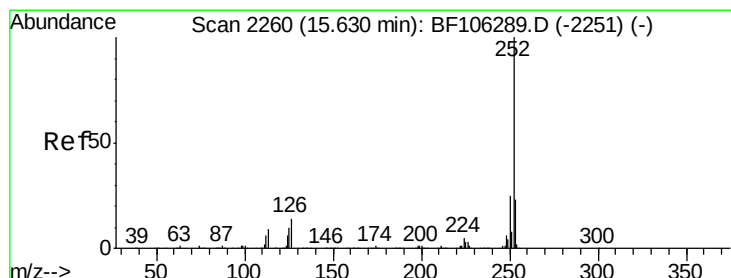
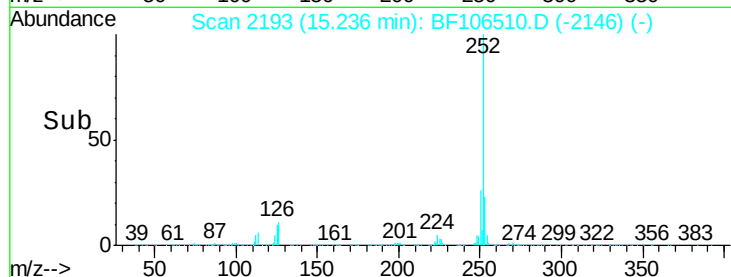
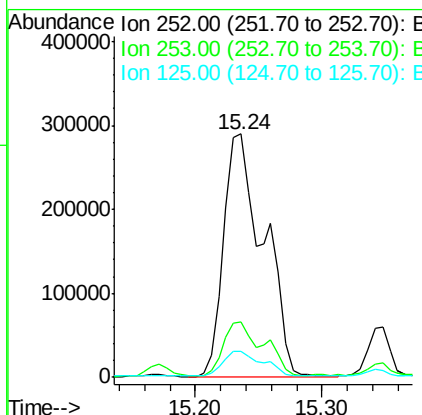
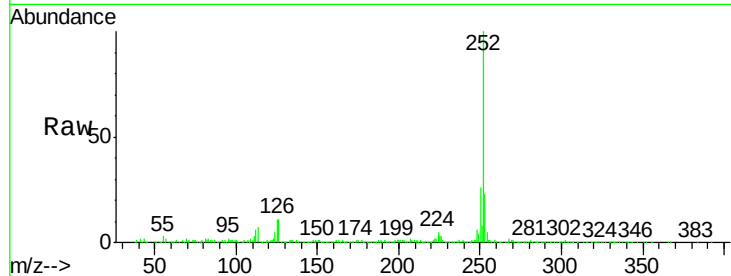




#88
Benzo(k)fluoranthene
Concen: 45.037 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

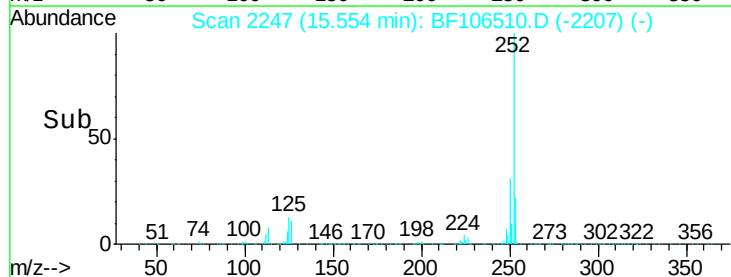
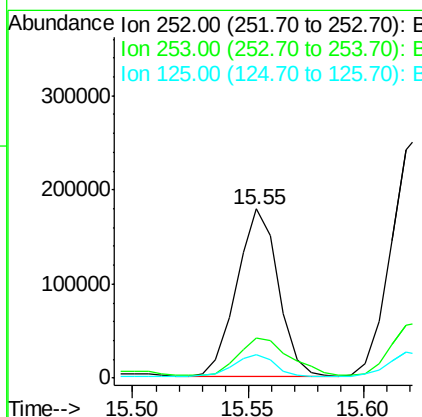
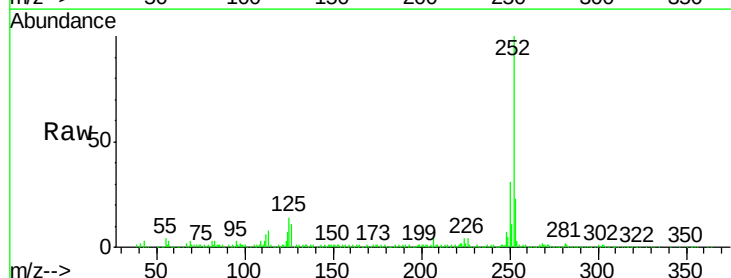
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-10

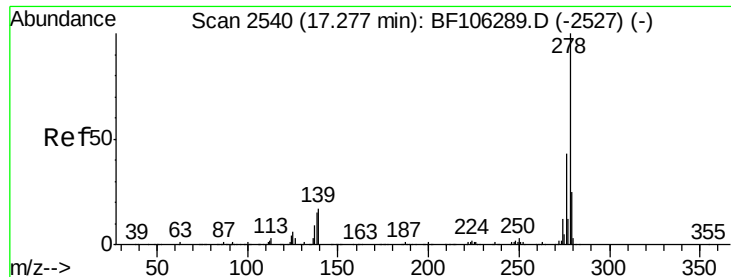
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 17.540 ng
RT: 15.55 min Scan# 2247
Delta R.T. -0.06 min
Lab File: BF106510.D
Acq: 15 Jun 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.517 ng

RT: 17.27 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-10

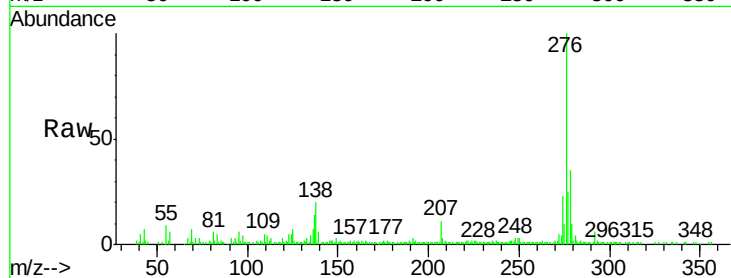
Tgt Ion:278 Resp: 48167

Ion Ratio Lower Upper

278 100

139 17.7 15.9 23.9

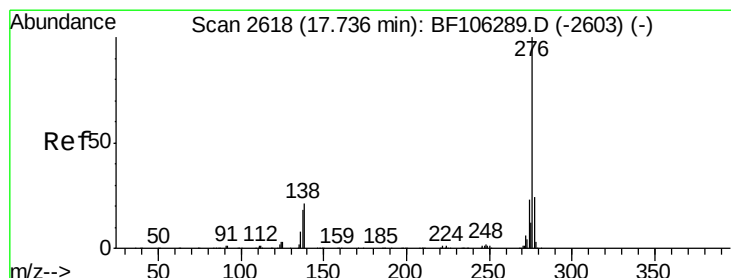
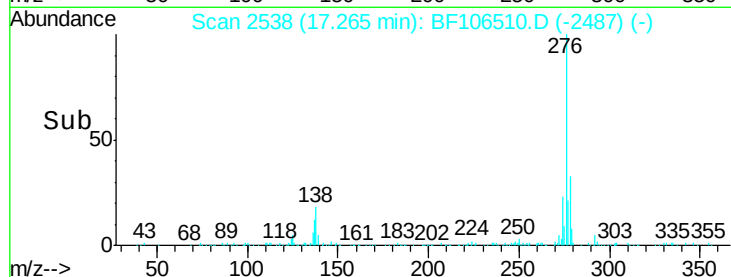
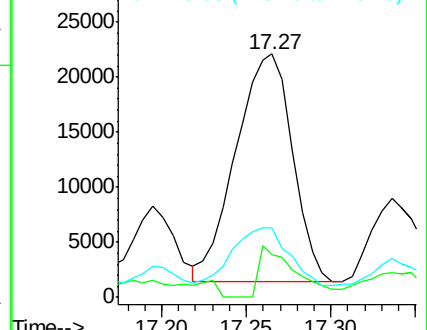
279 28.4 19.0 28.4



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: 18.833 ng

RT: 17.73 min Scan# 2617

Delta R.T. 0.00 min

Lab File: BF106510.D

Acq: 15 Jun 2018 23:24

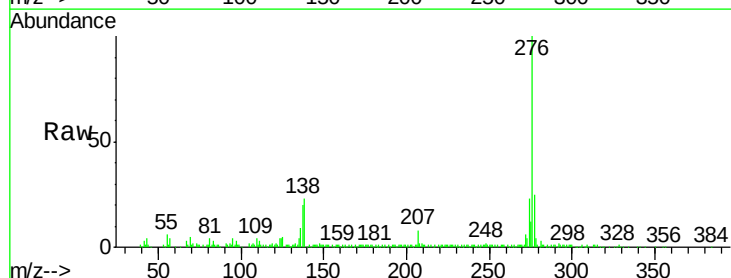
Tgt Ion:276 Resp: 195155

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 22.8 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

