

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106343.D
 Acq On : 12 Jun 2018 14:40
 Operator : JU/SJ
 Sample : J3245-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 01:07:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	179951	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	635736	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	261941	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	437738	20.00	ng	0.00
75) Chrysene-d12	14.15	240	504535	20.00	ng	0.00
86) Perylene-d12	15.71	264	481182	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	490372	46.12	ng	0.00
7) Phenol-d6	6.59	99	603128	44.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	379827	35.15	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	114693	45.51	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	661375	35.25	ng	0.00
78) Terphenyl-d14	13.08	244	621834	30.61	ng	0.00

Target Compounds

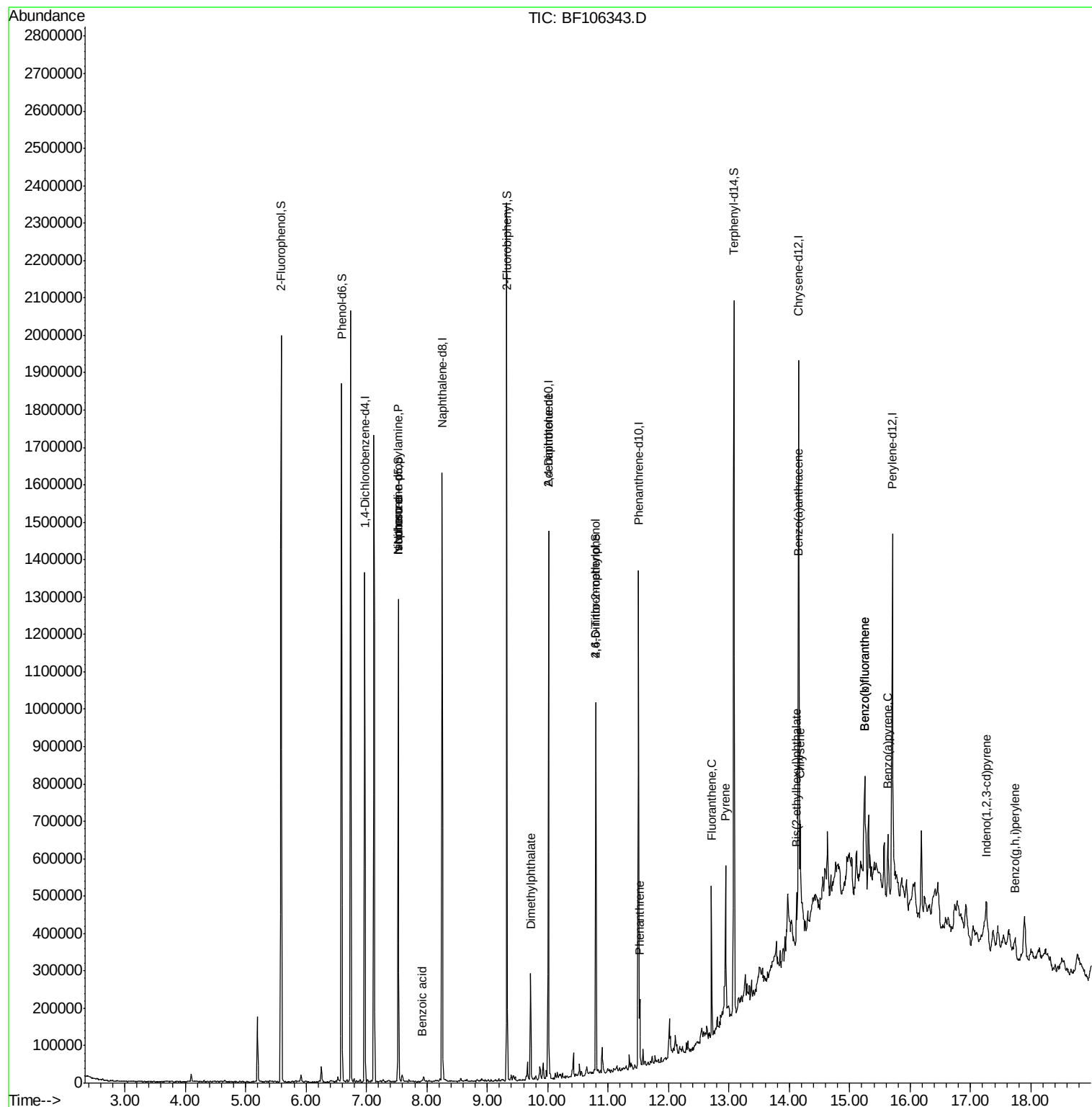
						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	49810	4.943	ng	# 77
25) Isophorone	7.53	82	379819	17.994	ng	# 64
32) Benzoic acid	7.92	122	1149	7.437	ng	91
49) Dimethylphthalate	9.72	163	97383	5.204	ng	99
56) 2,4-Dinitrotoluene	10.01	165	34089	7.101	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	133	6.344	ng	# 1
70) Phenanthrene	11.52	178	56747	2.647	ng	98
74) Fluoranthene	12.71	202	154431	6.755	ng	97
77) Pyrene	12.95	202	155615	4.927	ng	99
80) Benzo(a)anthracene	14.14	228	102053	3.399	ng	93
82) Chrysene	14.18	228	107738	3.930	ng	96
83) Bis(2-ethylhexyl)phthalate	14.12	149	34062	2.009	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	51439	2.351	ng	# 91
87) Benzo(b)fluoranthene	15.25	252	205728	7.073	ng	# 95
88) Benzo(k)fluoranthene	15.25	252	205728	7.142	ng	97
89) Benzo(a)pyrene	15.64	252	96256	3.679	ng	96
91) Benzo(a,h,i)perylene	17.74	276	49331	2.327	ng	96

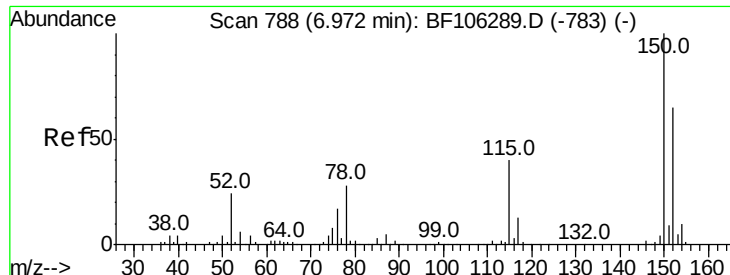
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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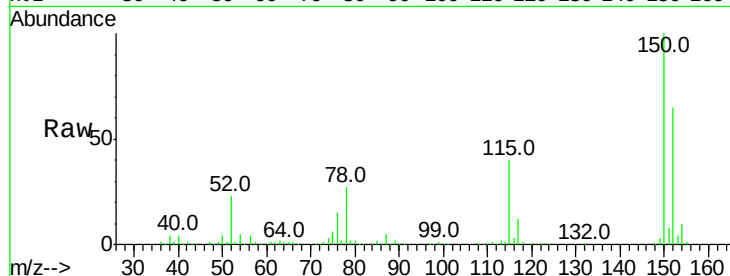


#1

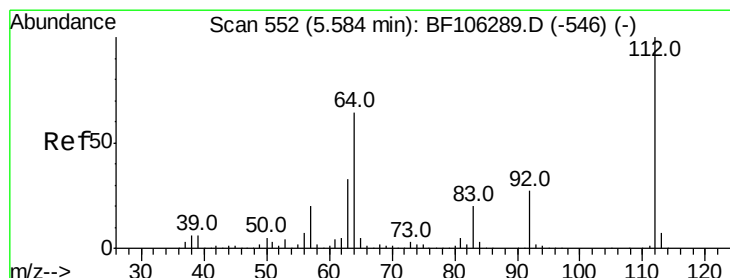
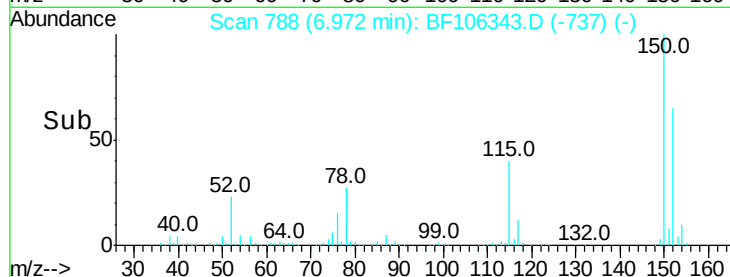
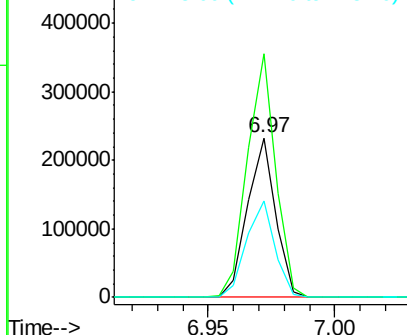
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 179951
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 60.5 50.1 75.1



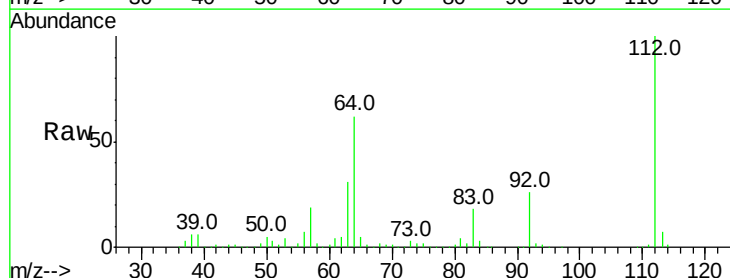
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



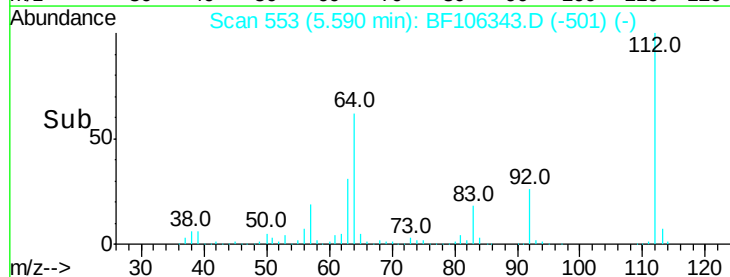
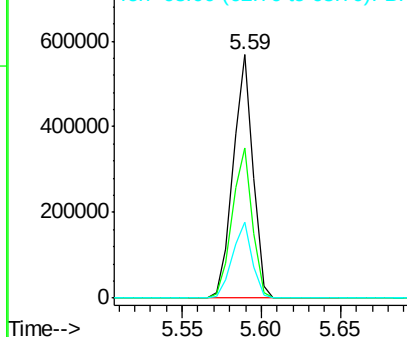
#5

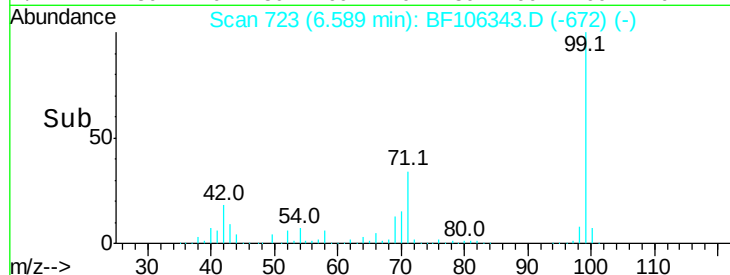
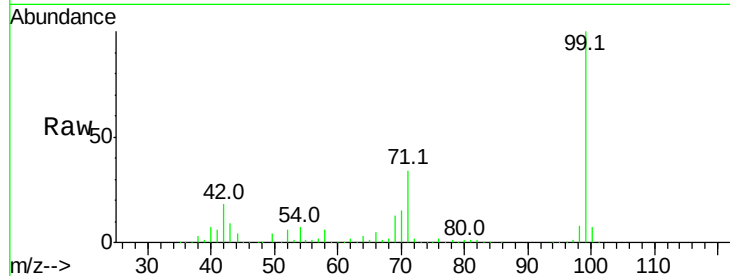
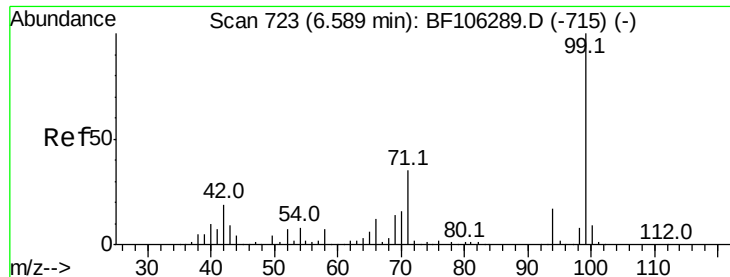
2-Fluorophenol
Concen: 46.121 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion:112 Resp: 490372
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 31.3 23.7 35.5



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





#7

Phenol-d6

Concen: 44.899 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

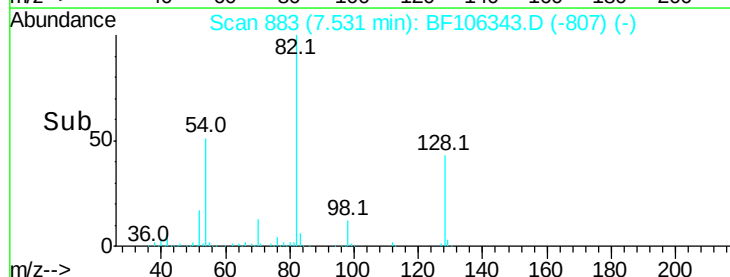
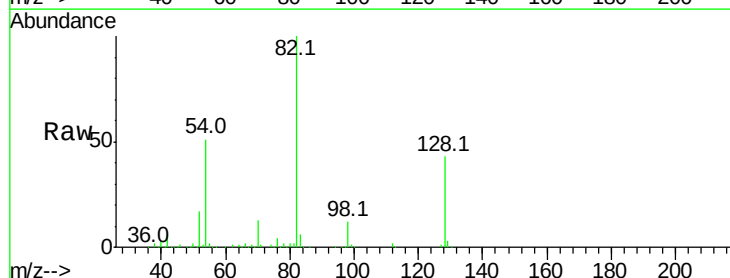
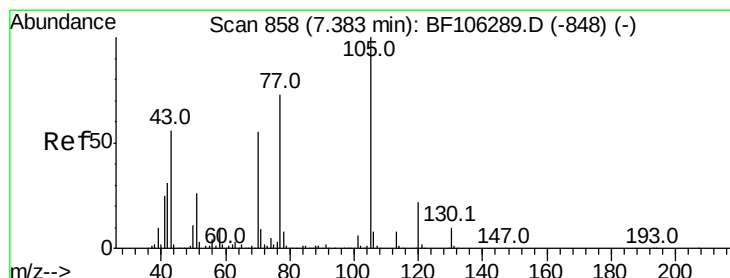
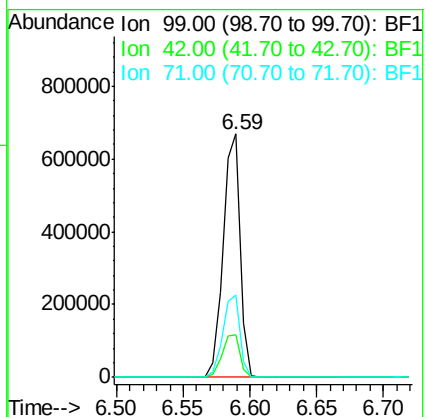
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 603128

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.5	21.7
71	33.6	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.943 ng

RT: 7.53 min Scan# 883

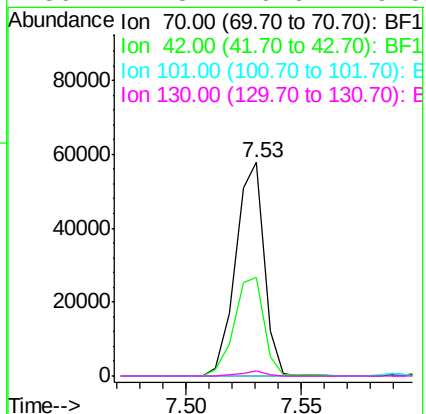
Delta R.T. 0.15 min

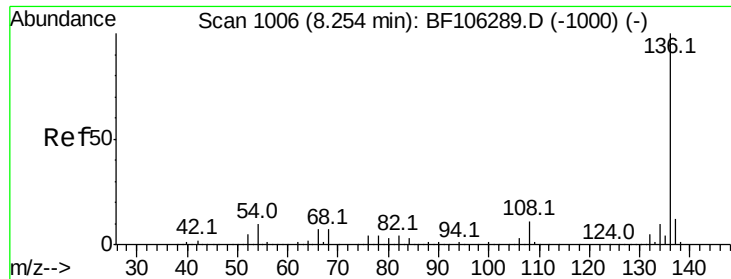
Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Tgt Ion: 70 Resp: 49810

Ion	Ratio	Lower	Upper
70	100		
42	46.4	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#

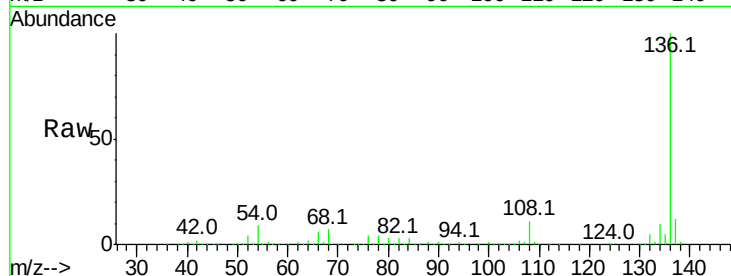




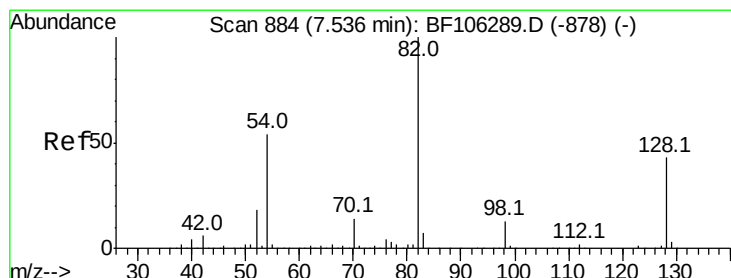
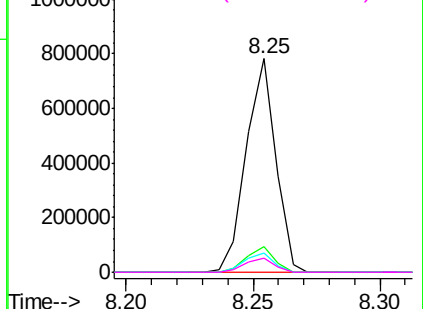
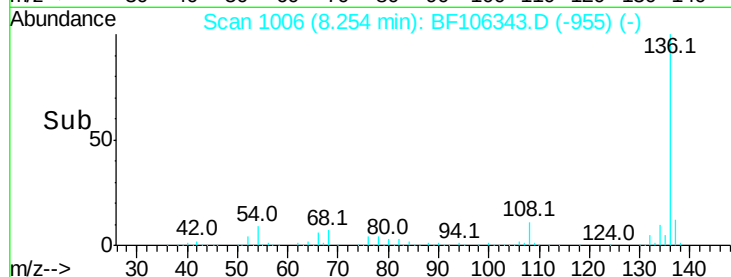
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp: 635736
Ion Ratio	Lower Upper
136 100	
137 11.7	8.9 13.3
54 9.1	6.6 9.8
68 6.5	5.0 7.4

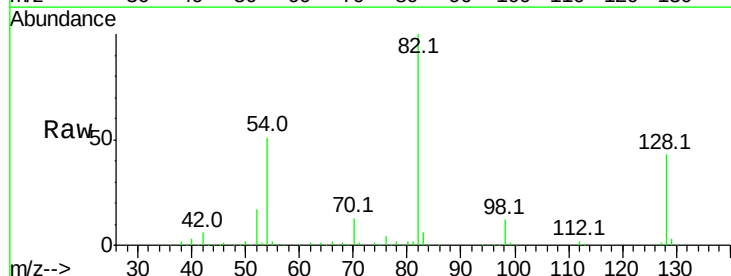


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

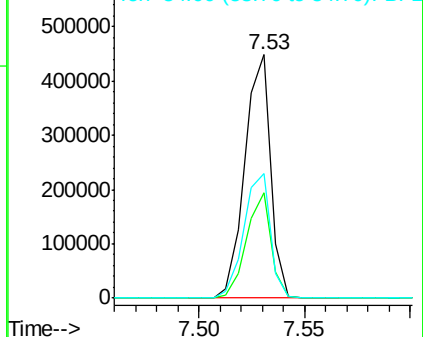
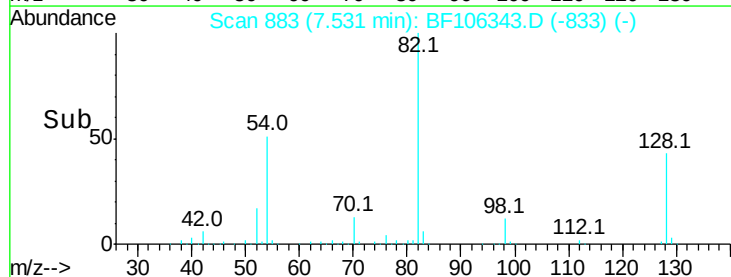


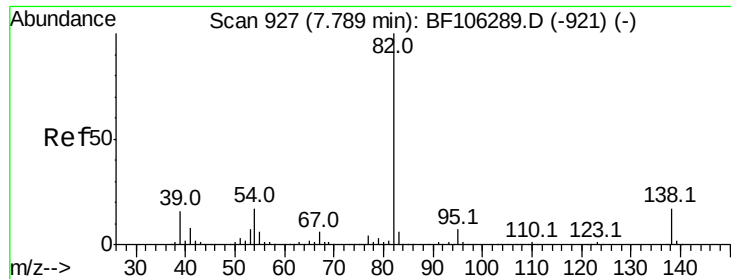
#23
Nitrobenzene-d5
Concen: 35.148 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion: 82	Resp: 379827
Ion Ratio	Lower Upper
82 100	
128 43.4	36.1 54.1
54 51.3	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: 17.994 ng

RT: 7.53 min Scan# 883

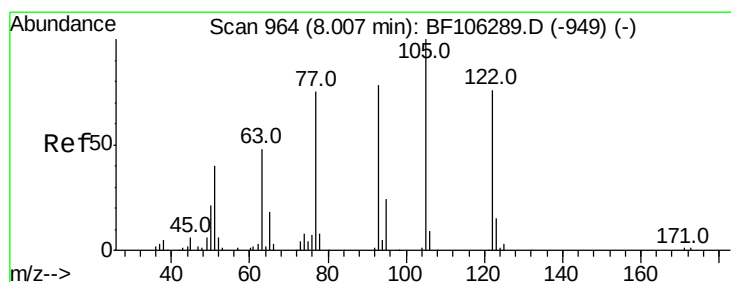
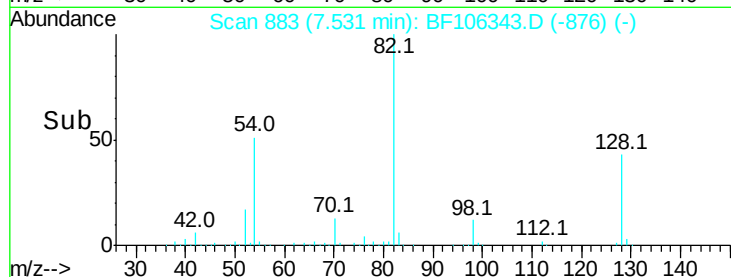
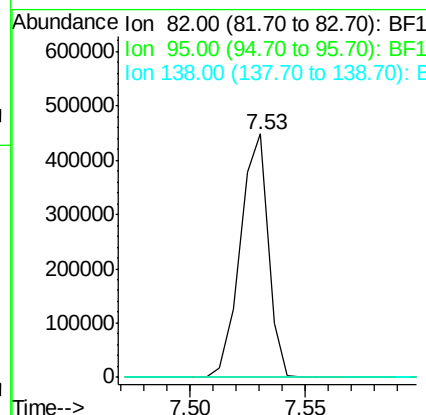
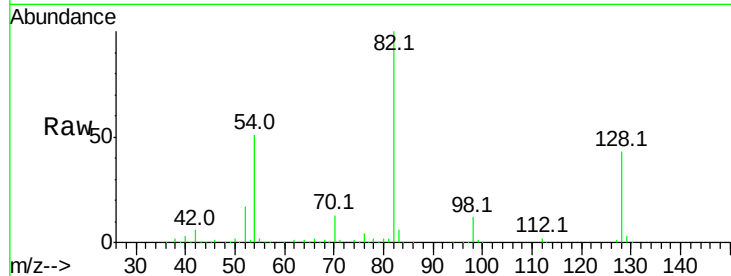
Delta R.T. -0.26 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	379819
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#32

Benzoic acid

Concen: 7.437 ng

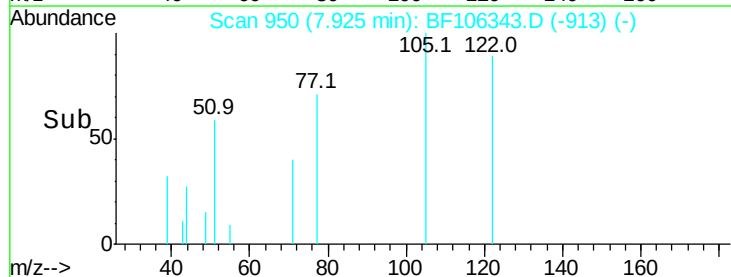
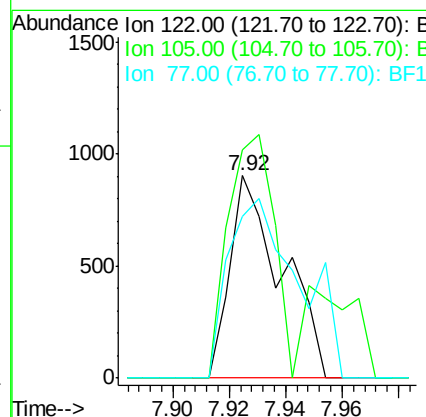
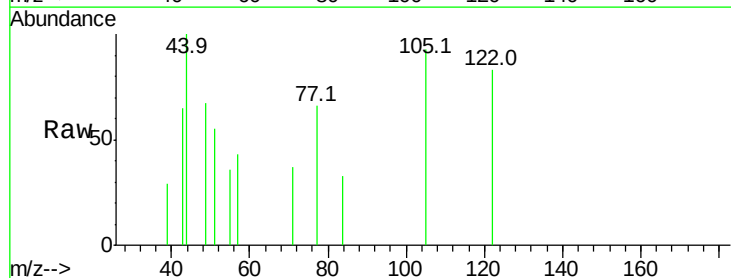
RT: 7.92 min Scan# 950

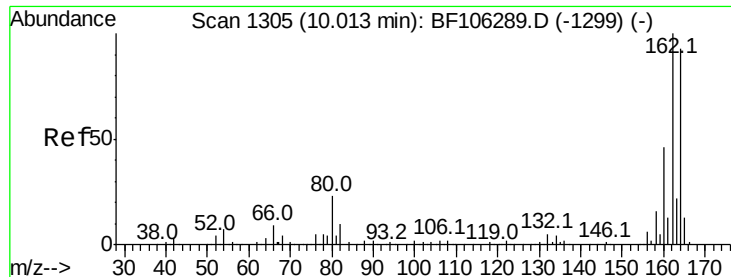
Delta R.T. -0.08 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Tgt Ion:	122	Resp:	1149
Ion	Ratio	Lower	Upper
122	100		
105	112.7	101.1	141.1
77	80.0	70.7	110.7

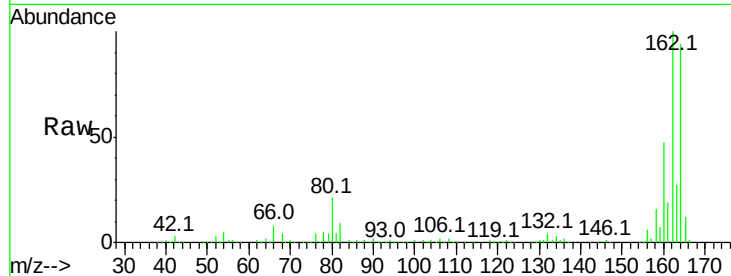




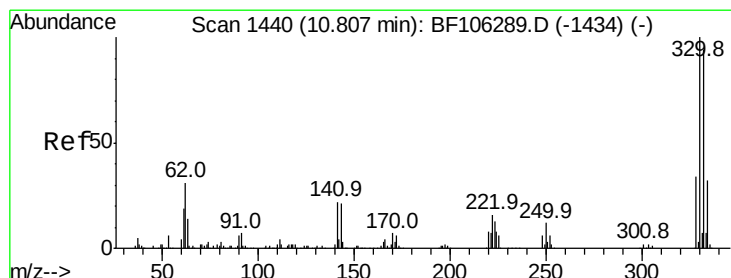
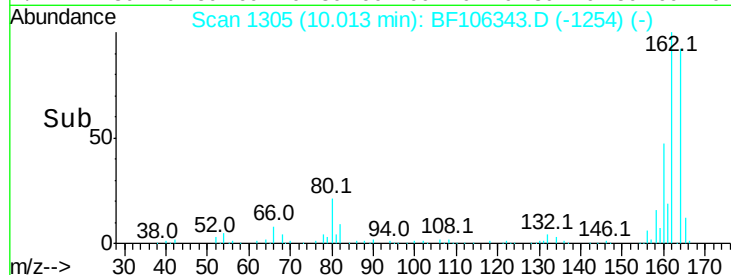
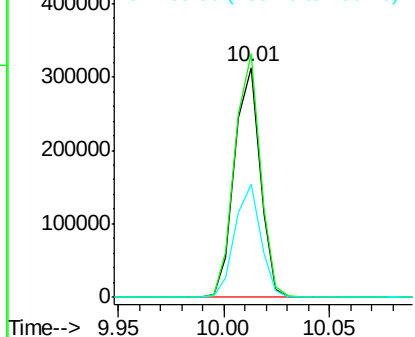
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 261941
Ion Ratio Lower Upper
164 100
162 105.9 86.1 129.1
160 49.3 38.3 57.5

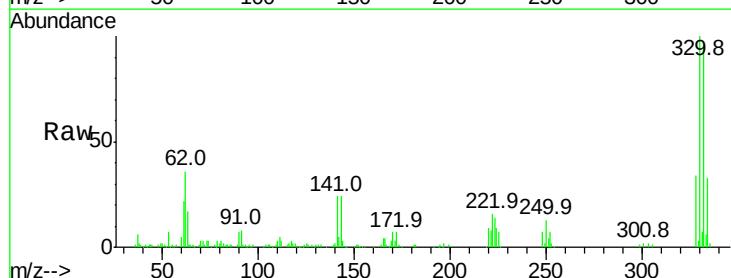


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

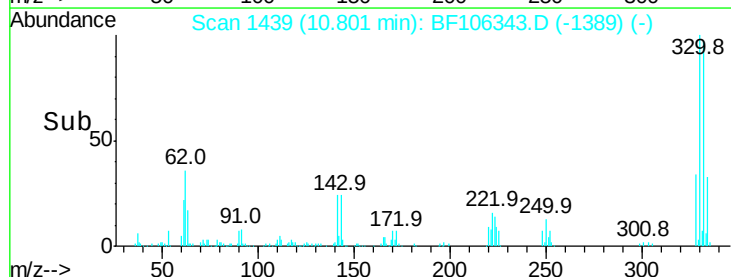
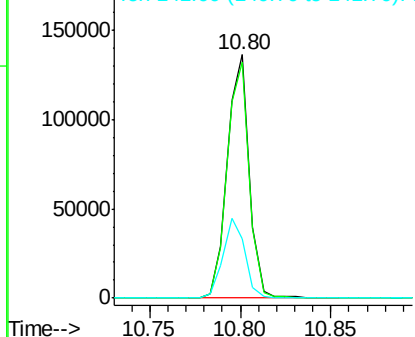


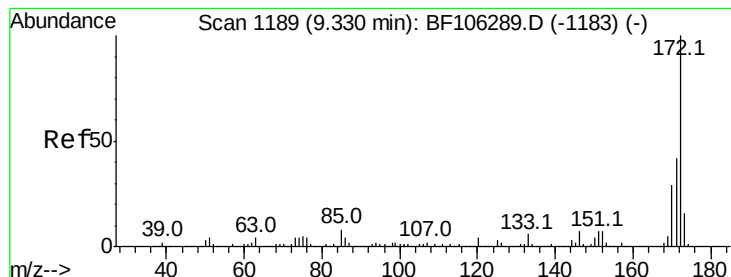
#41
2,4,6-Tribromophenol
Concen: 45.507 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion:330 Resp: 114693
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 32.9 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: 35.248 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :

BNA_F

ClientSampleId :

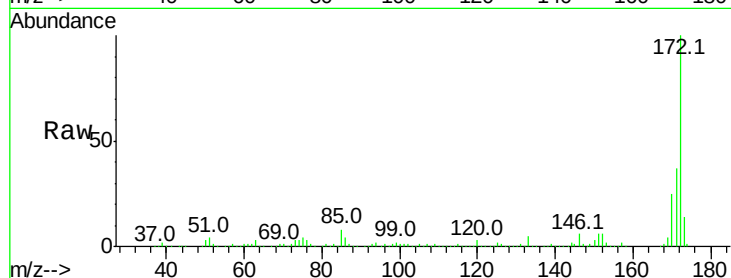
Tot Ion:172 Resp: 661375

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

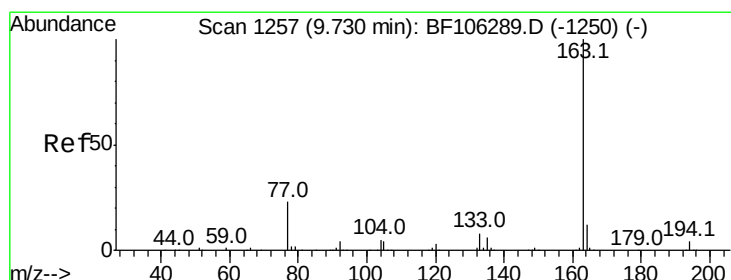
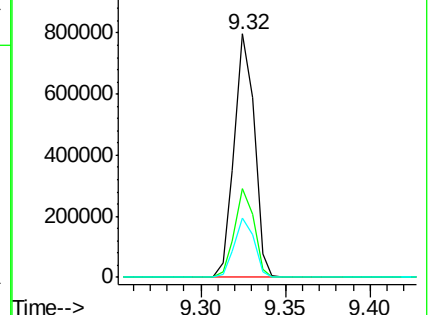
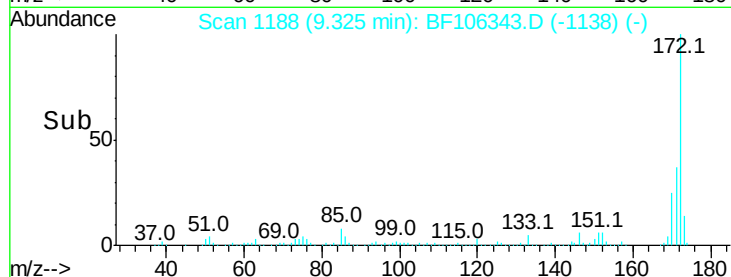
170 24.5 19.6 29.4



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: 5.204 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

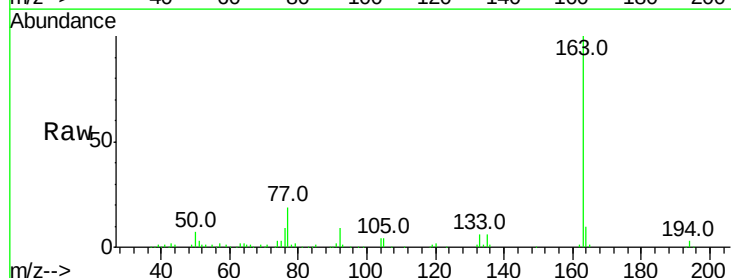
Tgt Ion:163 Resp: 97383

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

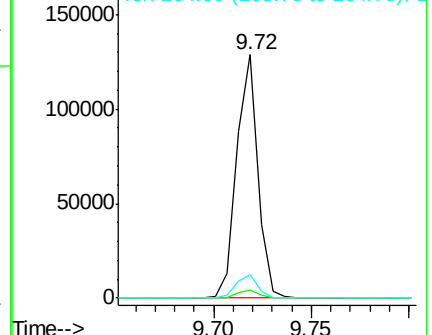
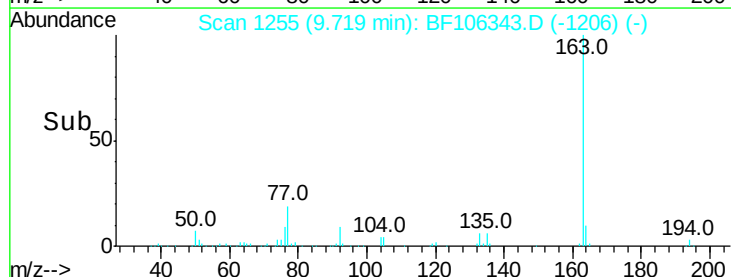
164 9.5 8.2 12.2

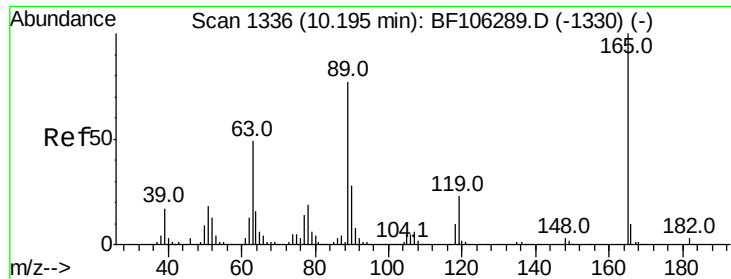


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

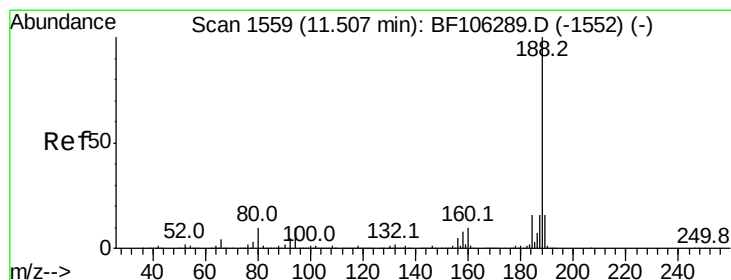
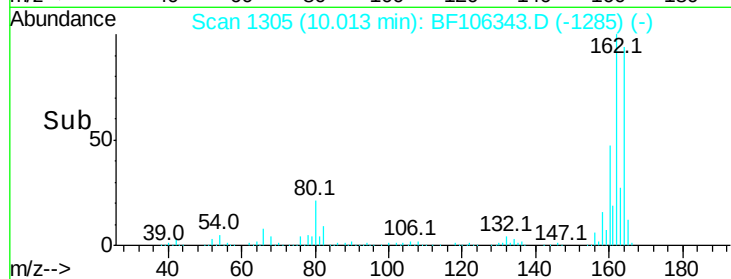
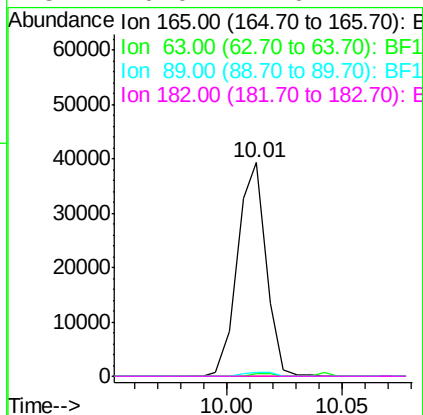
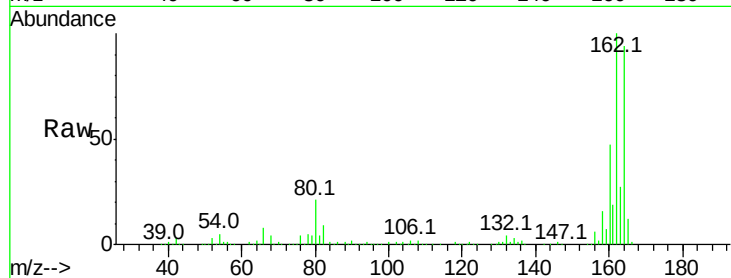




#56
 2,4-Dinitrotoluene
 Concen: 7.101 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106343.D
 Acq: 12 Jun 2018 14:40

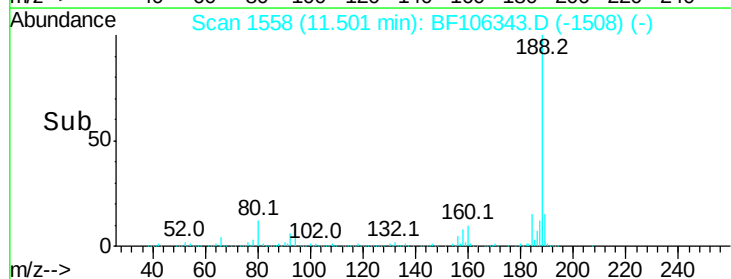
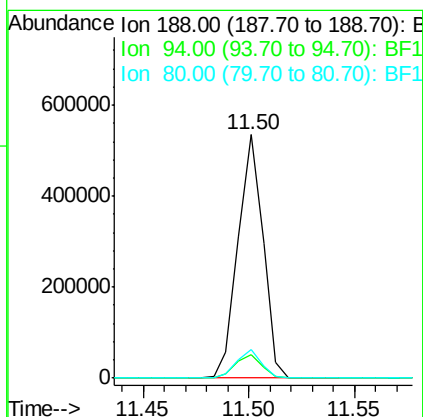
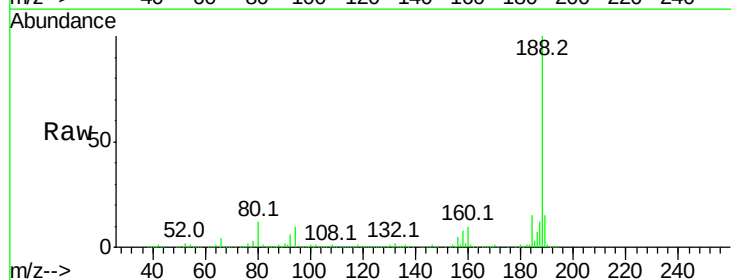
Instrument :
 BNA_F
 ClientSampleId :

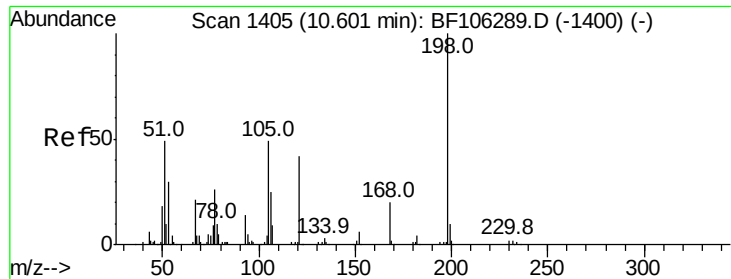
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF106343.D
 Acq: 12 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.344 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.20 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :

BNA_F

ClientSampleId :

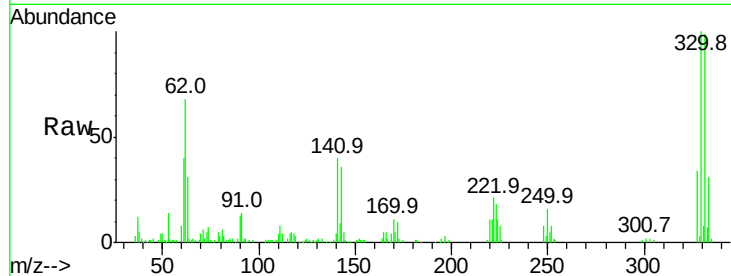
Tot Ion:198 Resp: 133

Ion Ratio Lower Upper

198 100

51 216.2 37.7 77.7#

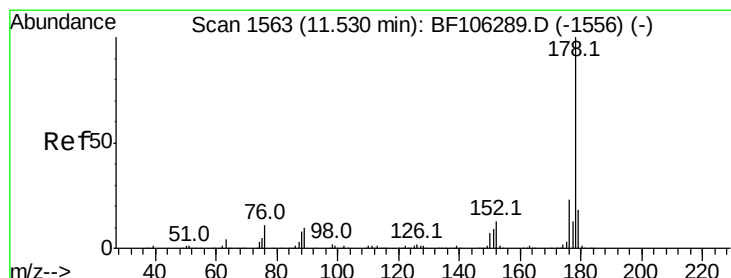
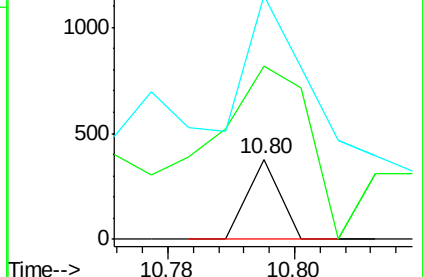
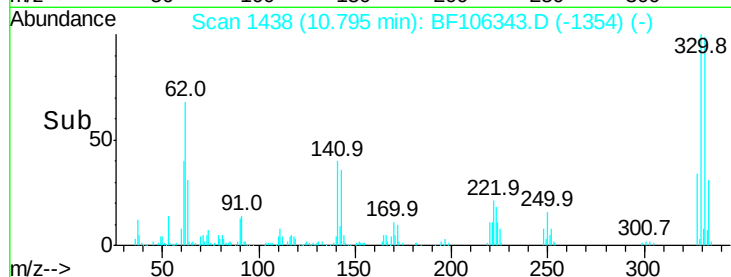
105 305.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 2.647 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

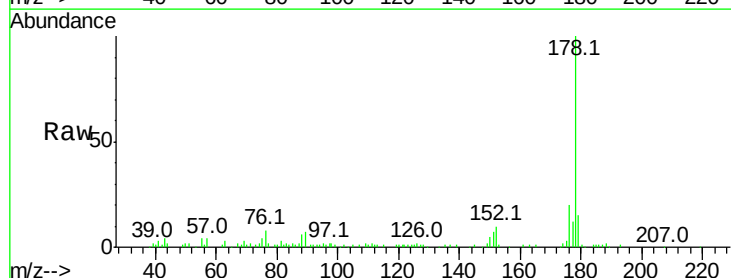
Tgt Ion:178 Resp: 56747

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

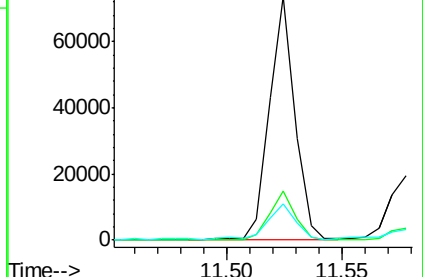
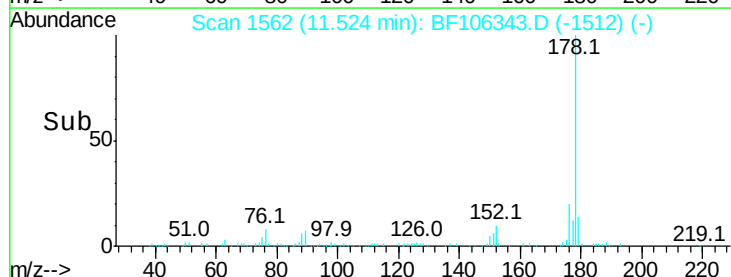
179 14.7 13.0 19.6

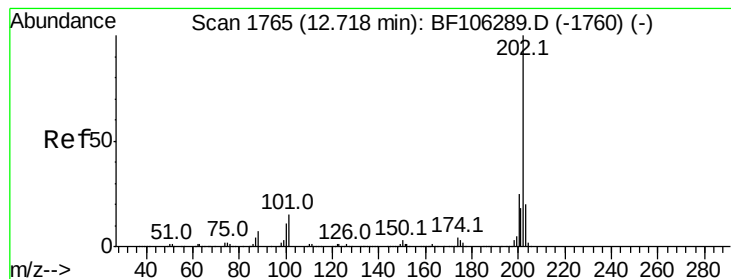


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.755 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :

BNA_F

ClientSampleId :

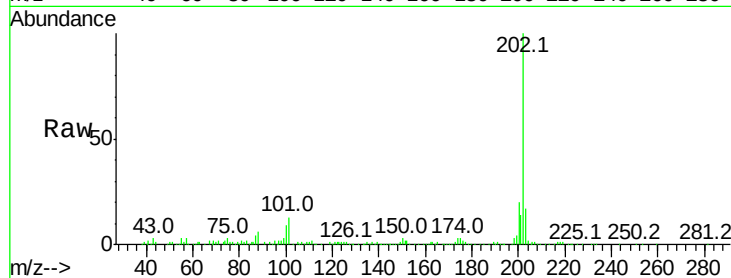
Tot Ion:202 Resp: 154431

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

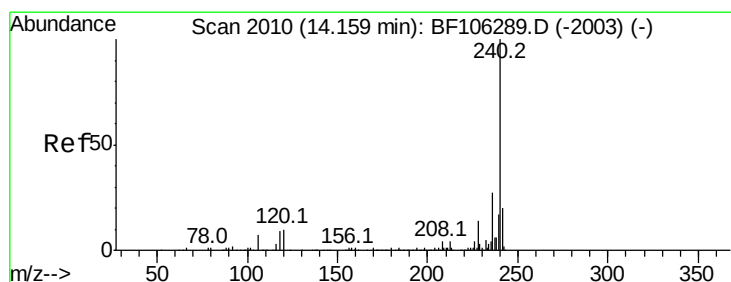
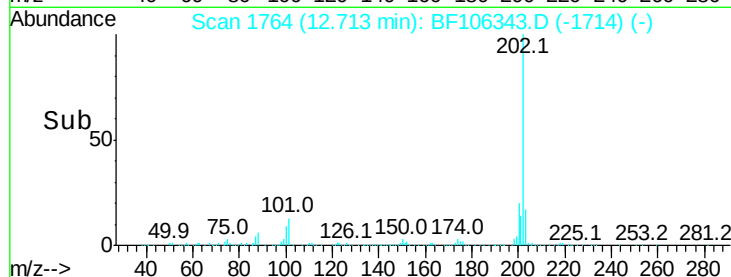
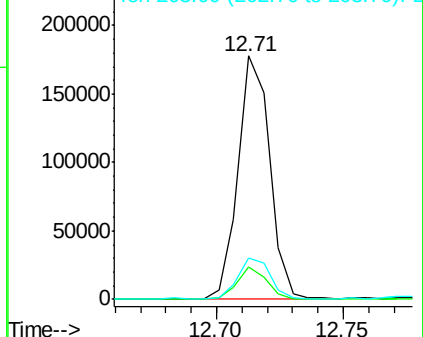
203 16.9 0.0 38.1



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. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

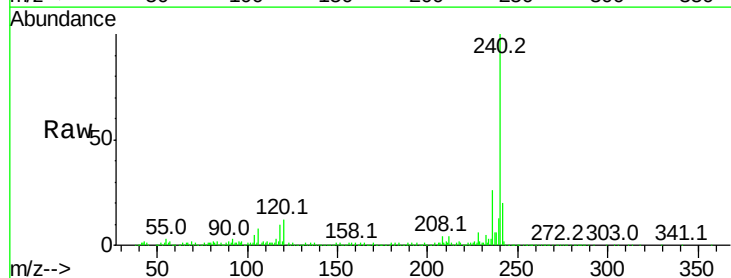
Tgt Ion:240 Resp: 504535

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

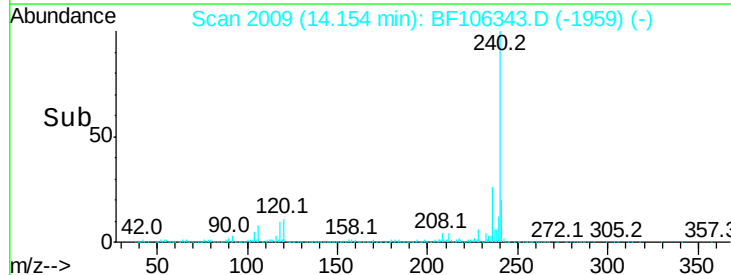
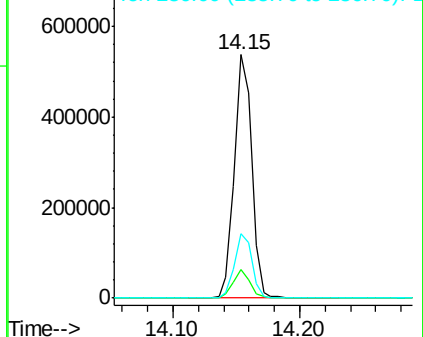
236 26.3 20.7 31.1

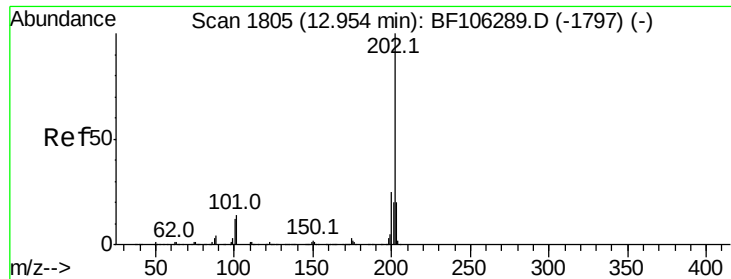


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

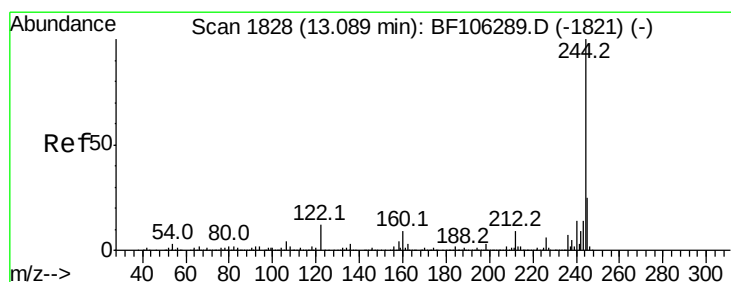
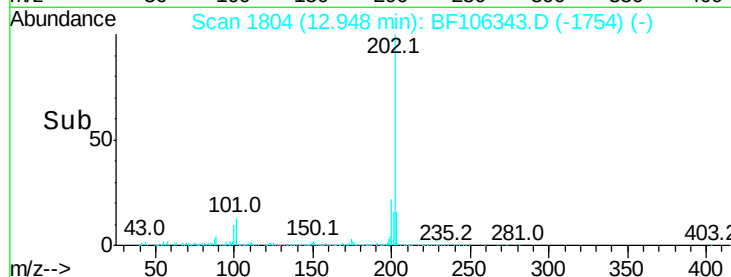
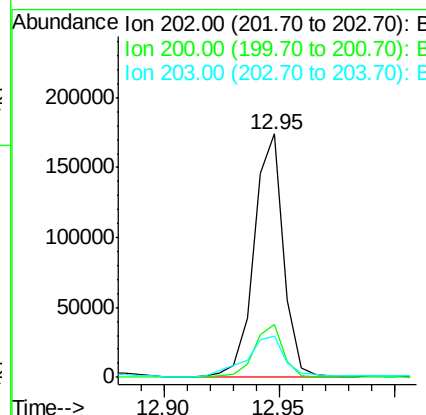
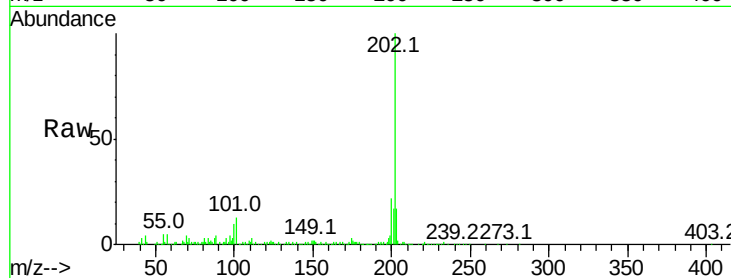




#77
Pvrene
Concen: 4.927 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

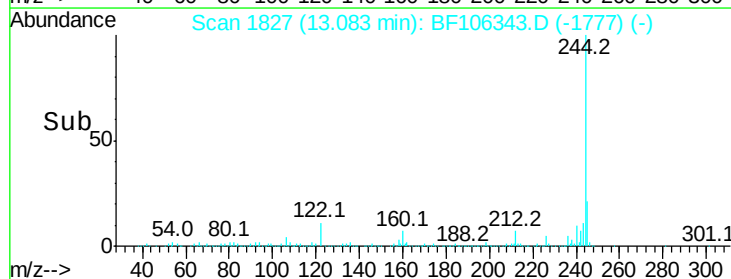
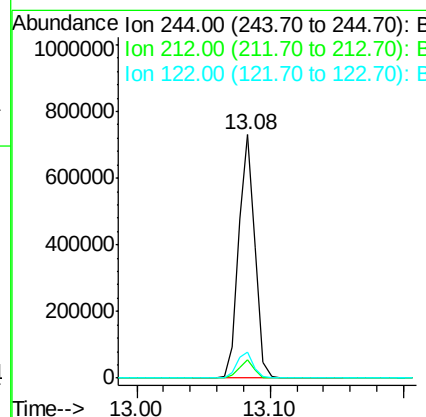
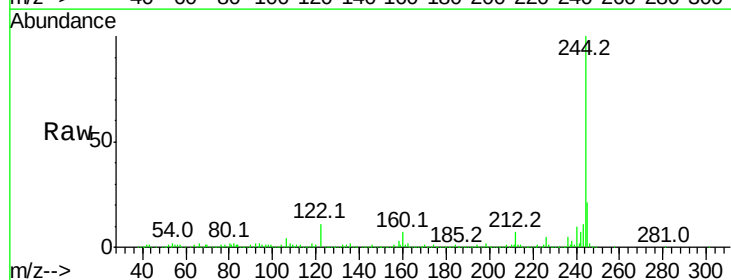
Instrument :
BNA_F
ClientSampleId :

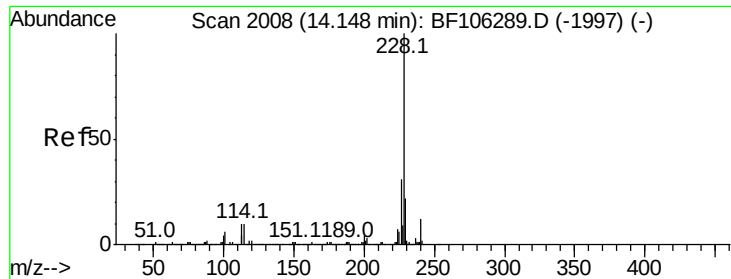
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	16.9	14.3	21.5



#78
Terphenyl-d14
Concen: 30.612 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.7	11.0	16.4





#80

Benzo(a)anthracene

Concen: 3.399 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :

BNA_F

ClientSampleId :

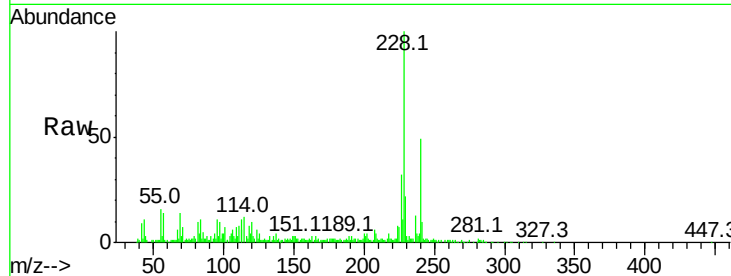
Tot Ion:228 Resp: 102053

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

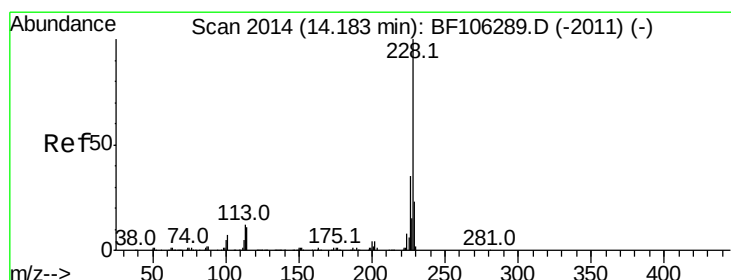
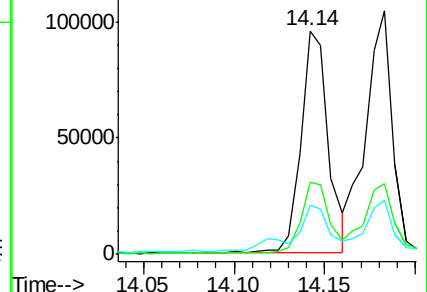
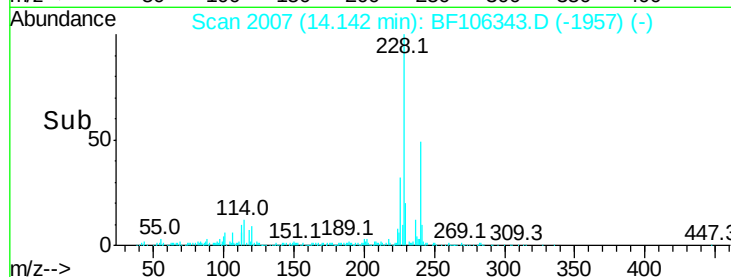
229 21.7 15.8 23.6



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: 3.930 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

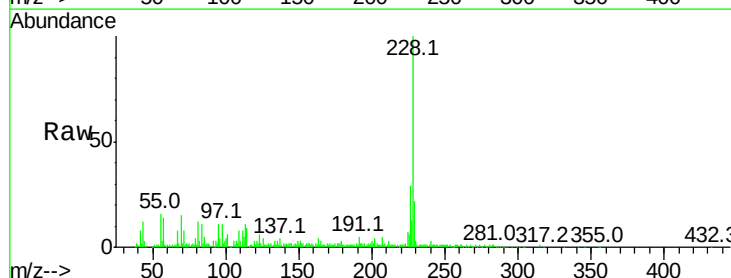
Tgt Ion:228 Resp: 107738

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

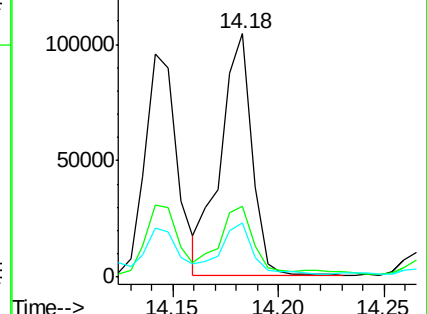
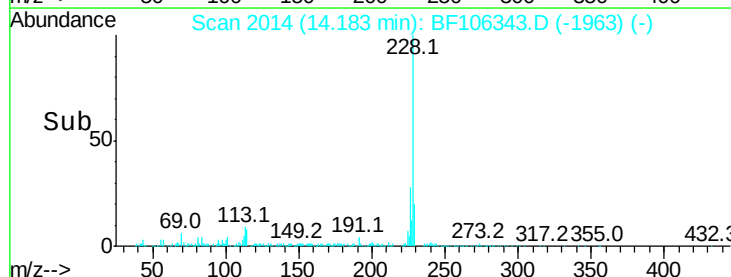
229 22.0 16.2 24.4

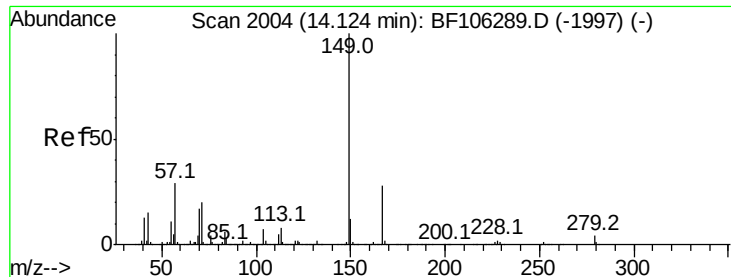


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.009 ng

RT: 14.12 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

Instrument :

BNA_F

ClientSampleId :

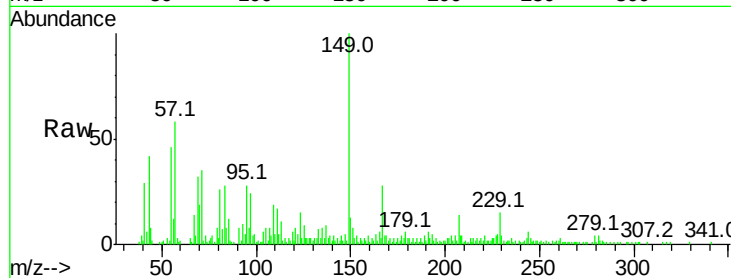
Tot Ion:149 Resp: 34062

Ion Ratio Lower Upper

149 100

167 27.8 21.3 31.9

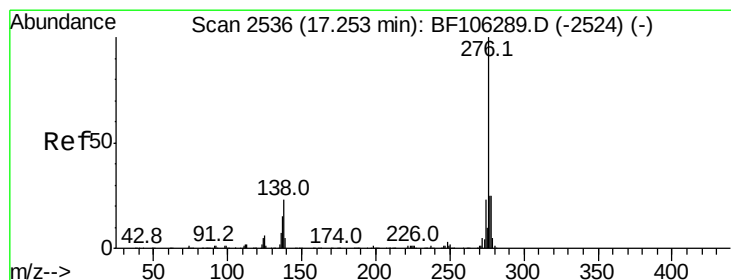
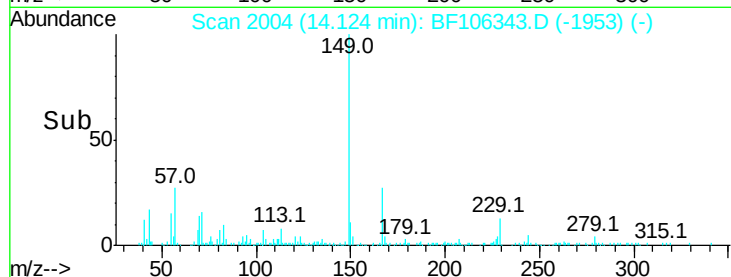
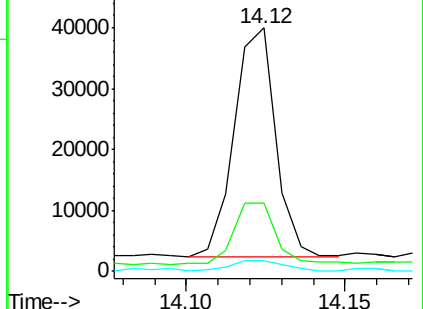
279 4.3 3.0 4.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.351 ng

RT: 17.26 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF106343.D

Acq: 12 Jun 2018 14:40

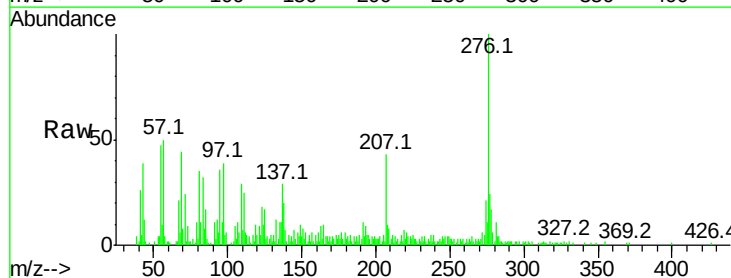
Tgt Ion:276 Resp: 51439

Ion Ratio Lower Upper

276 100

138 22.8 25.0 37.6#

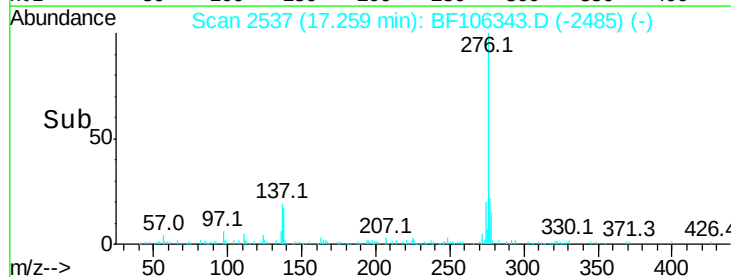
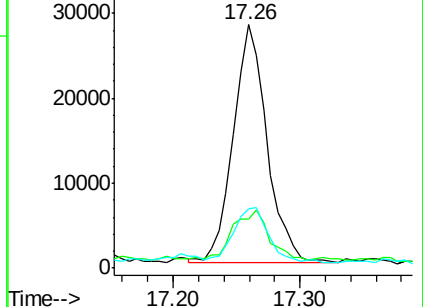
277 24.4 20.1 30.1

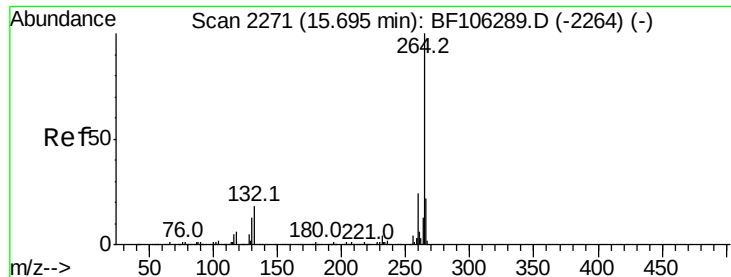


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

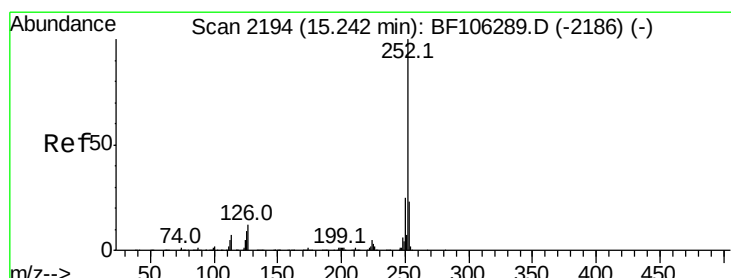
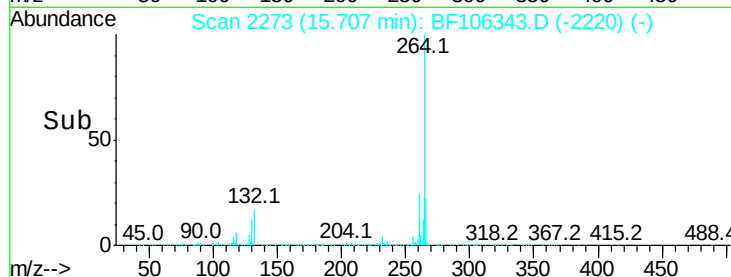
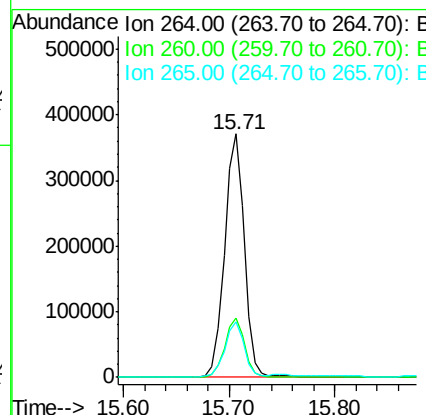
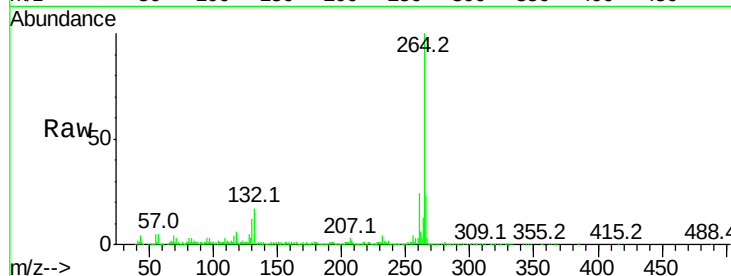




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

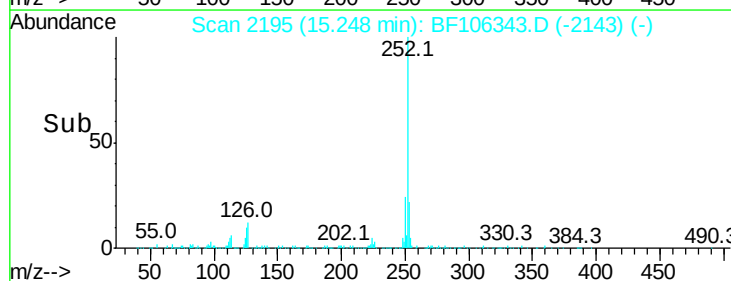
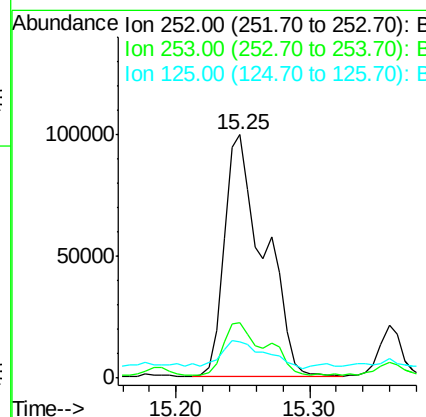
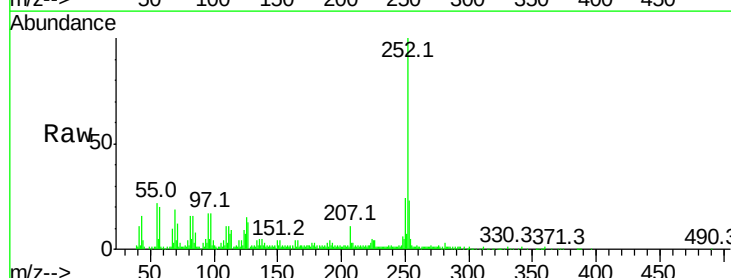
Instrument :
BNA_F
ClientSampled :

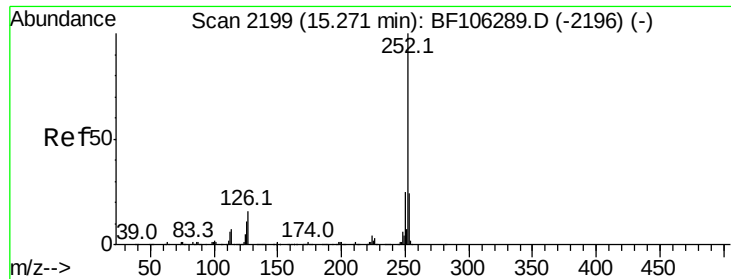
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 7.073 ng
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.1	9.0	13.6

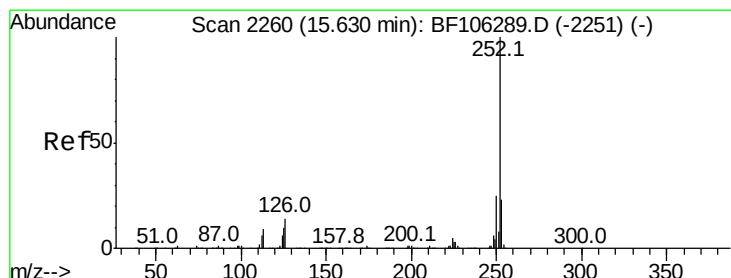
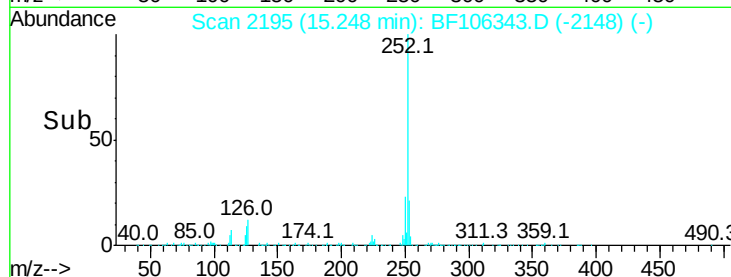
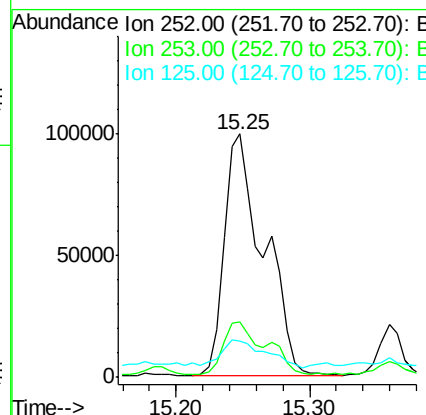
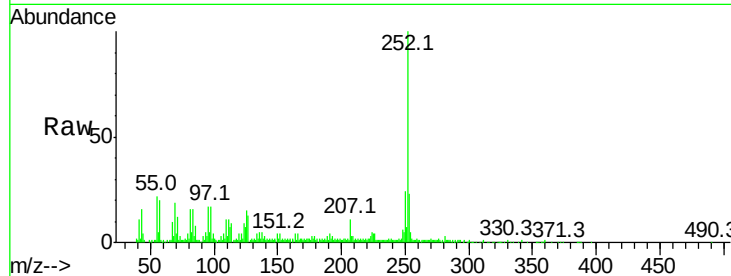




#88
Benzo(k)fluoranthene
Concen: 7.142 ng
RT: 15.25 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

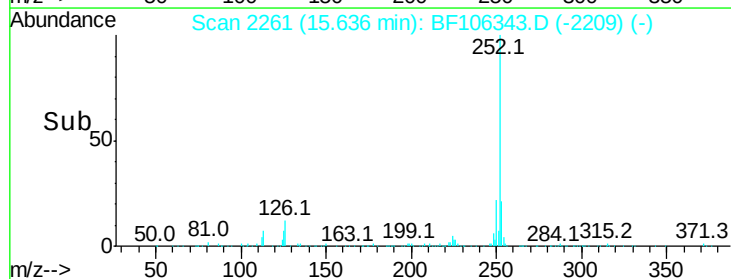
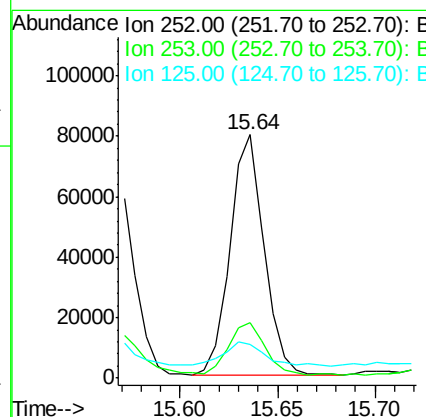
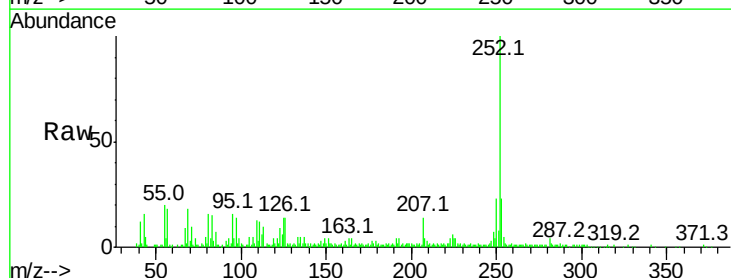
Instrument :
BNA_F
ClientSampleId :

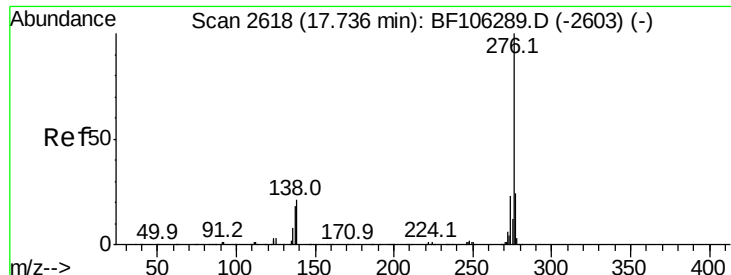
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.679 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF106343.D
Acq: 12 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.327 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. 0.00 min
 Lab File: BF106343.D
 Acq: 12 Jun 2018 14:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 49331
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.9 26.9
 138 25.2 21.8 32.8

