

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106462.D
 Acq On : 15 Jun 2018 00:12
 Operator : JU/SJ
 Sample : J3490-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

Quant Time: Jun 15 01:14:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

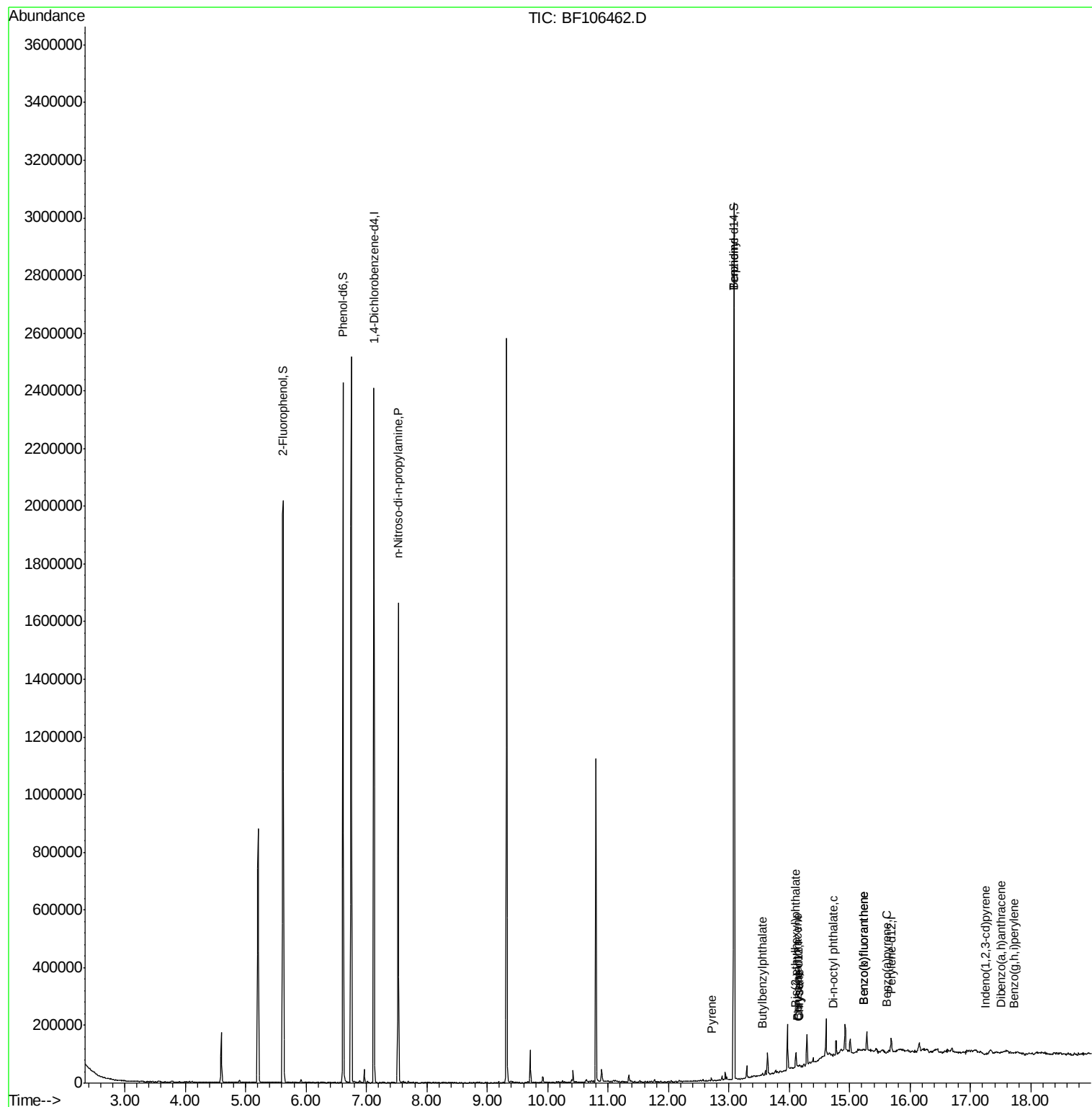
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	351239	20.00	ng	0.16
21) Naphthalene-d8	0.00	136	0	0.00	ng	-8.25
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-10.01
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-11.50
75) Chrysene-d12	14.15	240	160	20.00	ng	-0.01
86) Perylene-d12	15.68	264	127	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	647703	31.21	ng	0.00
7) Phenol-d6	6.61	99	824920	31.46	ng	0.00
23) Nitrobenzene-d5	7.53	82	562568	0.00	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	146323	0.00	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	886611	0.00	ng	0.00
78) Terphenyl-d14	13.08	244	1103943	171372.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	75376	3.832	ng	# 74
76) Benzidine	13.08	184	14103	2648.435	ng	# 96
77) Pyrene	12.71	202	3078	307.278	ng	# 97
79) Butylbenzylphthalate	13.55	149	935	249.360	ng	# 59
80) Benzo(a)anthracene	14.14	228	1906	200.179	ng	# 92
82) Chrysene	14.17	228	1398	160.816	ng	# 85
83) Bis(2-ethylhexyl)phthalate	14.11	149	14728	2739.449	ng	# 90
84) Di-n-octyl phthalate	14.74	149	544	70.187	ng	# 75
85) Indeno(1,2,3-cd)pyrene	17.24	276	863	124.390	ng	# 69
87) Benzo(b)fluoranthene	15.23	252	2342	305.067	ng	# 16
88) Benzo(k)fluoranthene	15.23	252	2342	308.033	ng	# 19
89) Benzo(a)pyrene	15.62	252	1361	197.099	ng	# 8
90) Dibenzo(a,h)anthracene	17.49	278	117	20.324	ng	# 1
91) Benzo(g,h,i)perylene	17.73	276	1030	184.105	ng	# 45

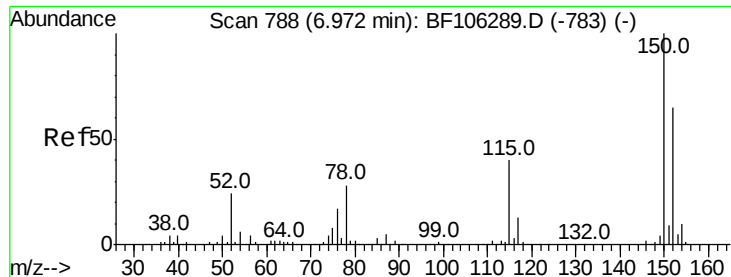
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.12 min Scan# 814

Delta R.T. 0.16 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

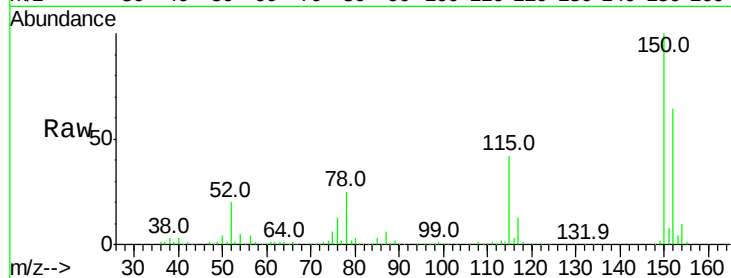
Tot Ion:152 Resp: 351239

Ion Ratio Lower Upper

152 100

150 155.9 124.6 186.8

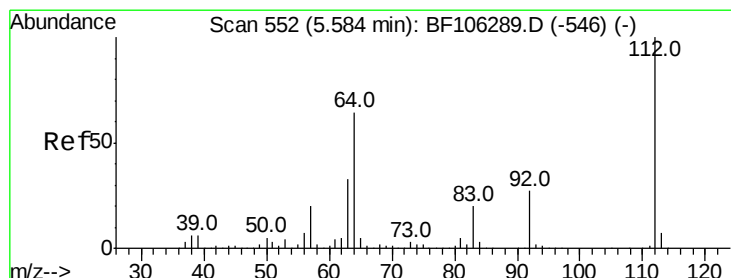
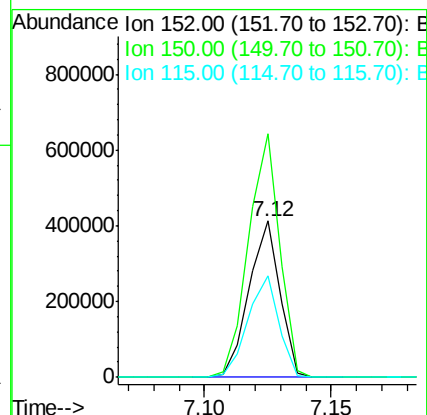
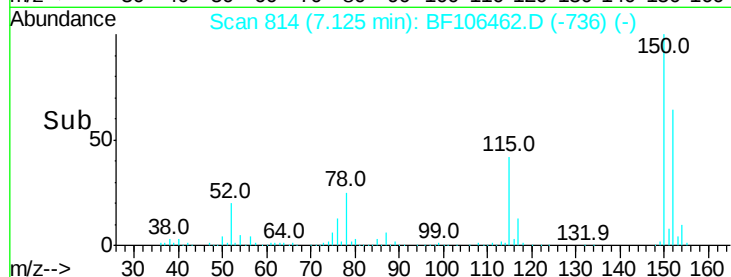
115 64.8 50.1 75.1



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: 31.211 ng

RT: 5.62 min Scan# 558

Delta R.T. 0.01 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

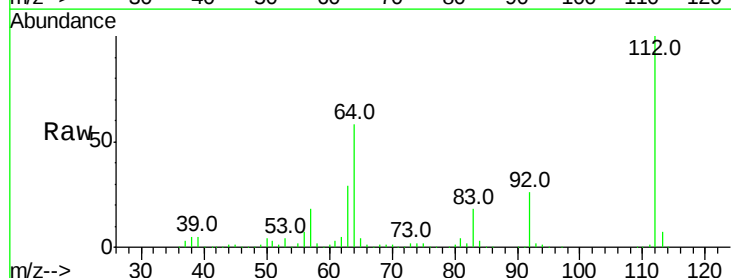
Tgt Ion:112 Resp: 647703

Ion Ratio Lower Upper

112 100

64 58.3 47.9 71.9

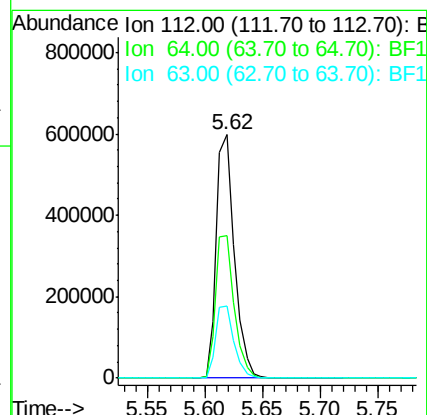
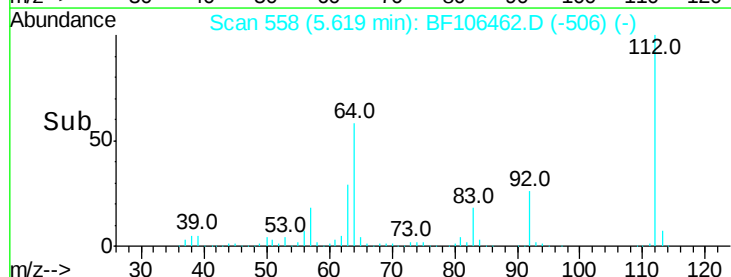
63 29.4 23.7 35.5

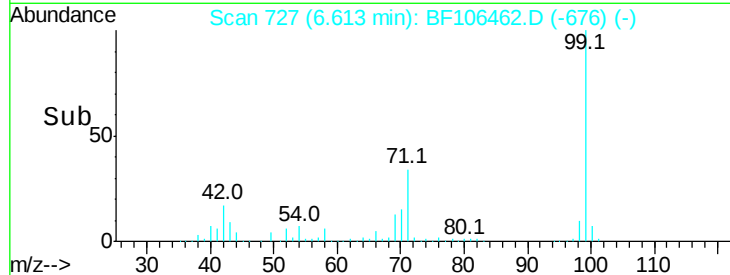
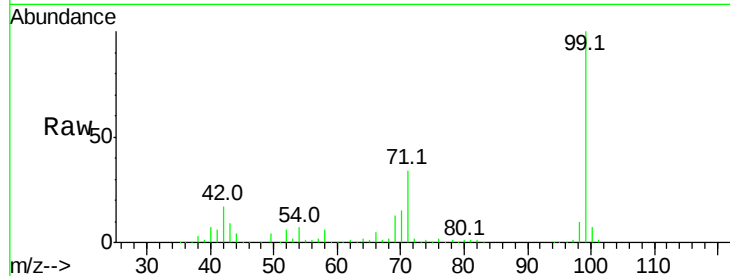
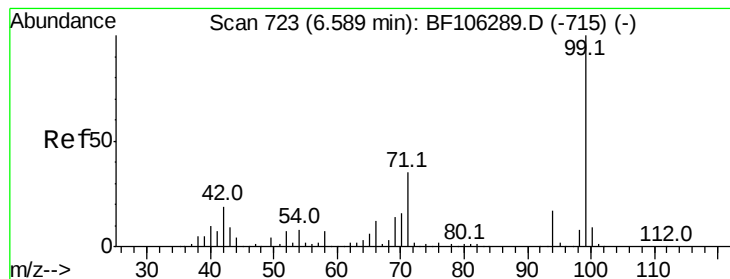


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 31.463 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

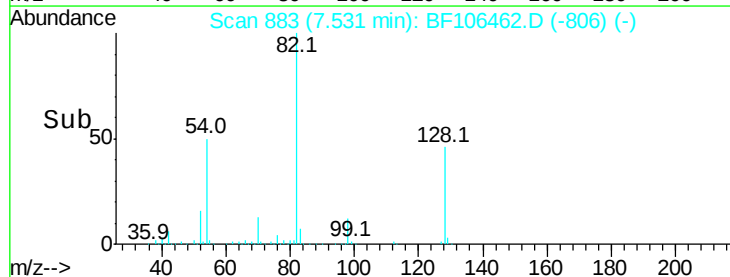
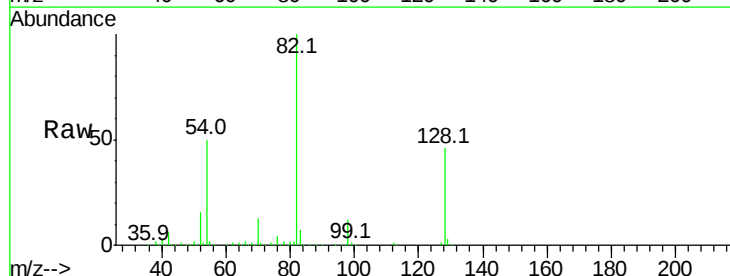
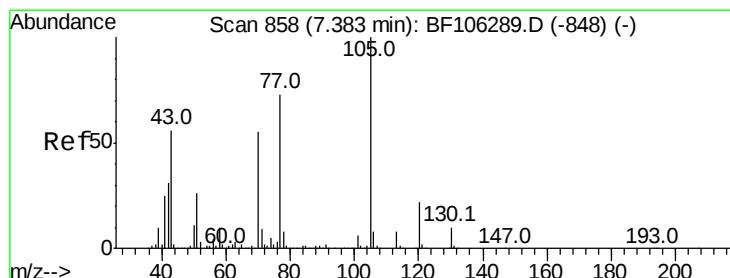
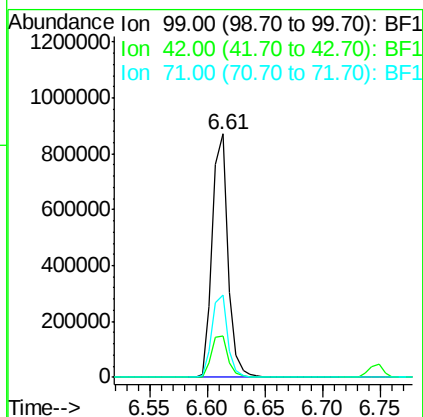
Tot Ion: 99 Resp: 824920

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 34.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.832 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Tgt Ion: 70 Resp: 75376

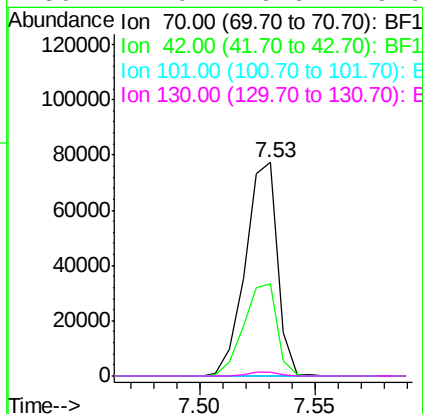
Ion Ratio Lower Upper

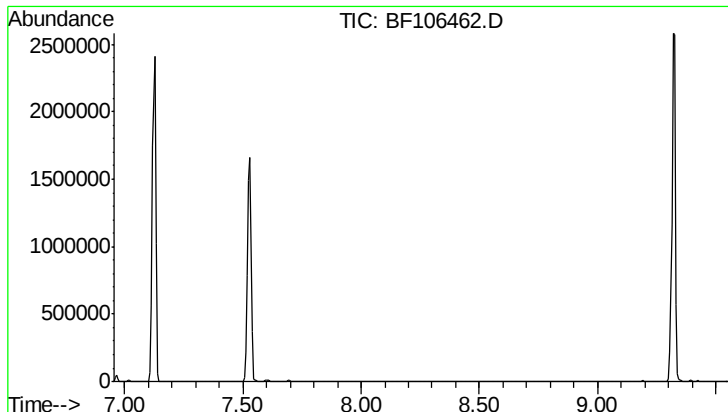
70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

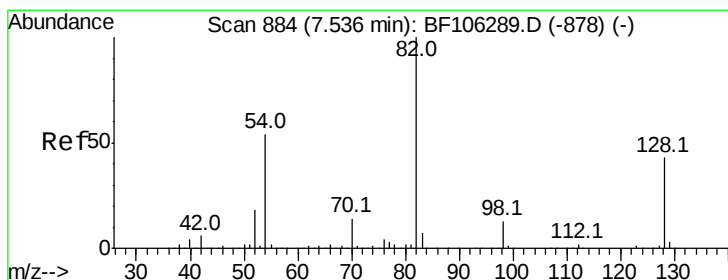
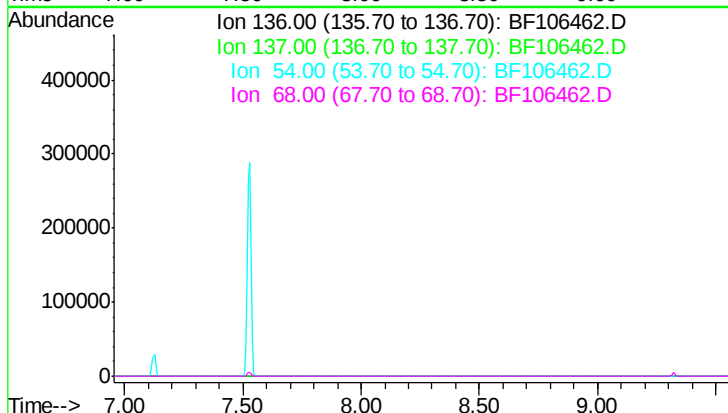




#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.25 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

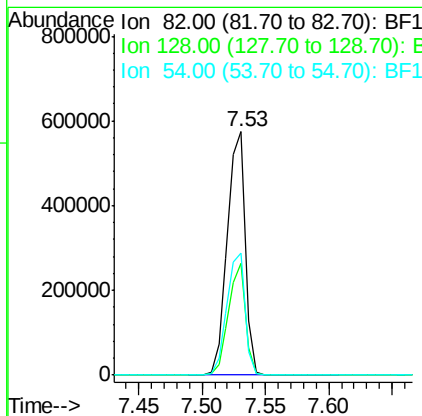
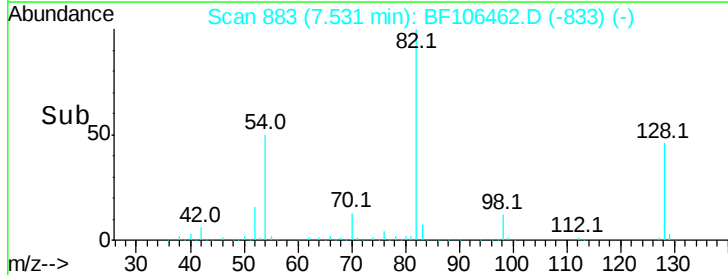
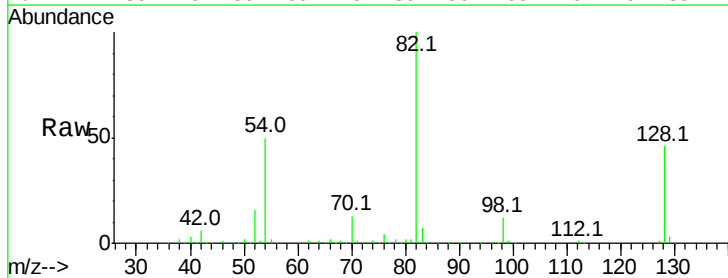
Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

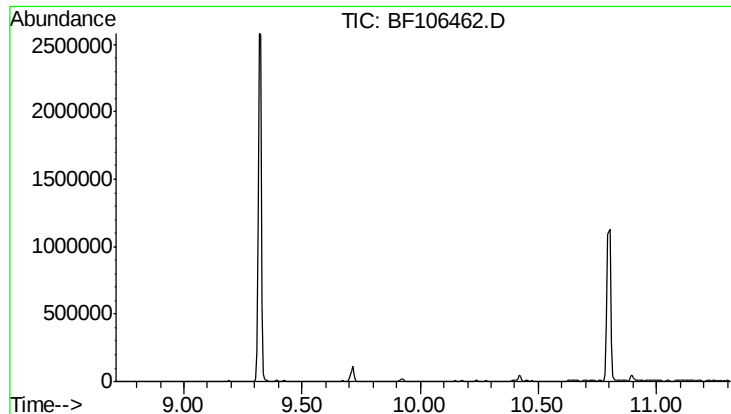
Tot Ion: 136
Sig Exp Ratio
136 100
137 11.1
54 8.2
68 6.2



#23
Nitrobenzene-d5
Concen: 0.000 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Tgt Ion: 82 Resp: 562568
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 50.2 41.4 62.2

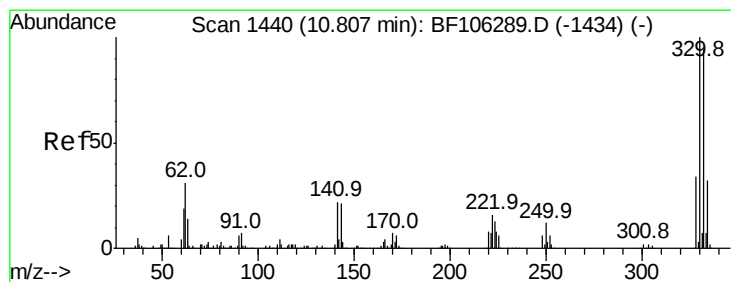
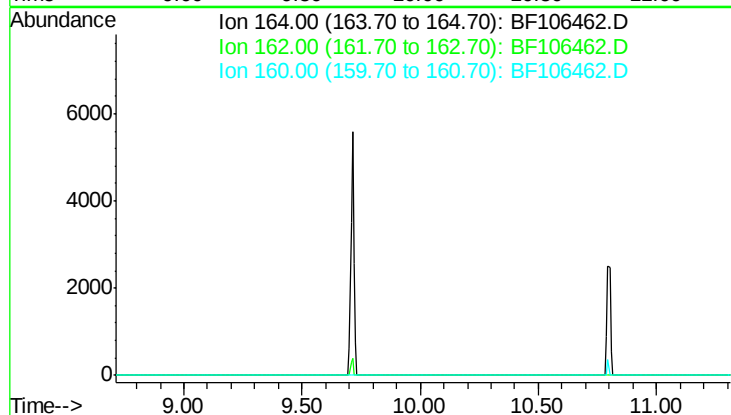




#38
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 10.01 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

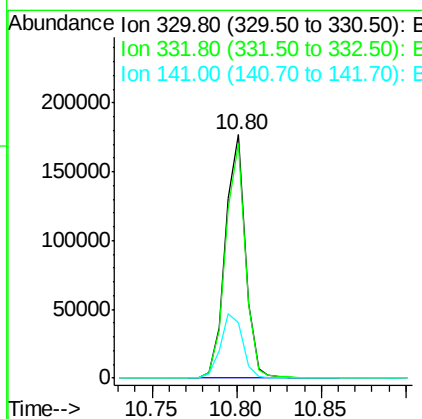
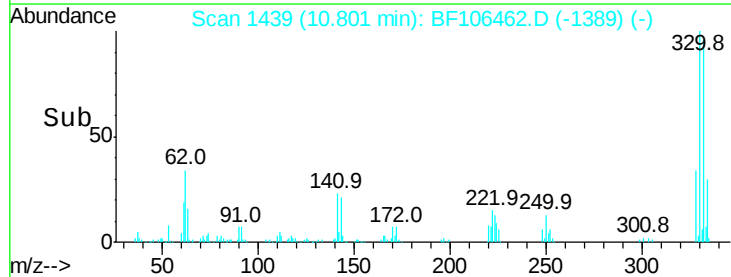
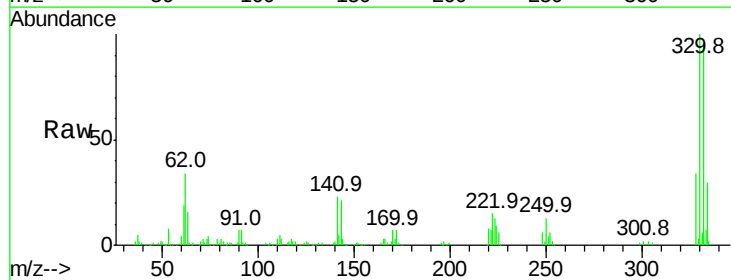
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

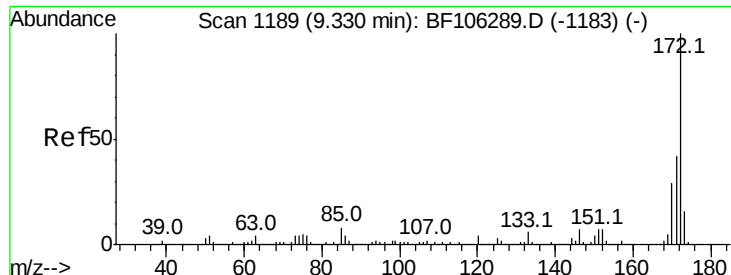
Tot Ion: 164
 Sig Exp Ratio
 164 100
 162 107.6
 160 47.9



#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

Tgt Ion: 330 Resp: 146323
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 29.3 29.9 44.9#

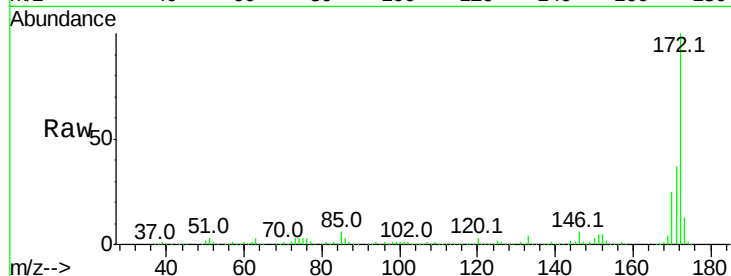




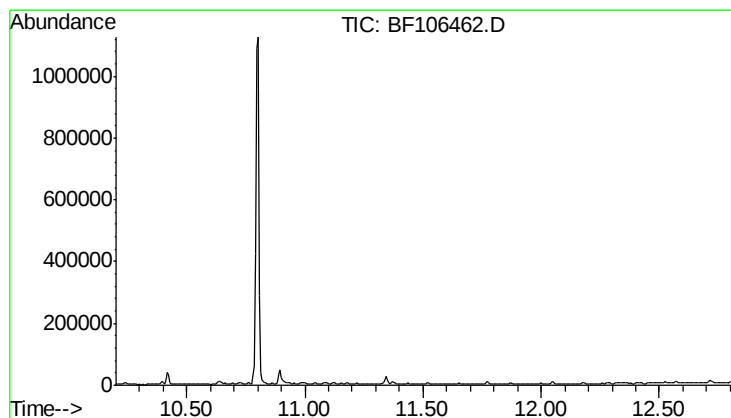
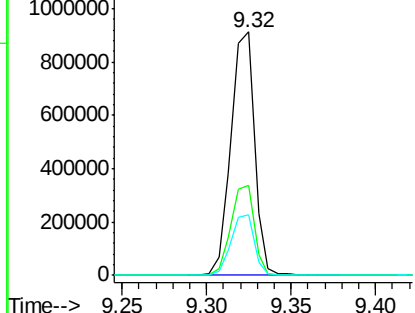
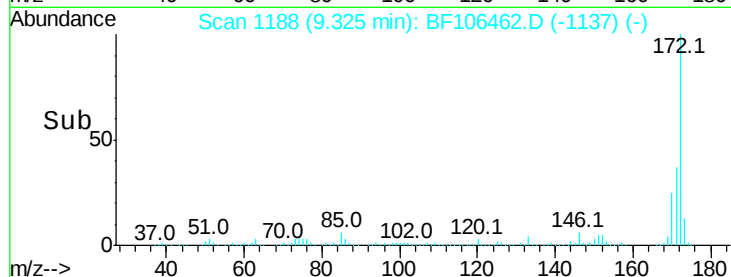
#44
2-Fluorobiphenyl
Concen: 0.000 ng
RT: 9.32 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

Tot Ion:172 Resp: 886611
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.7 19.6 29.4



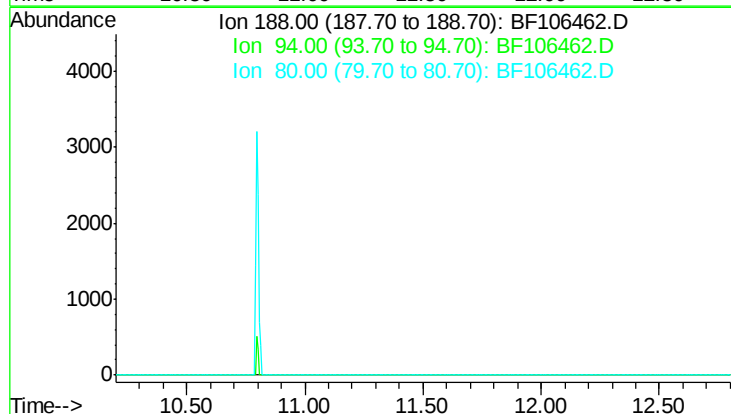
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

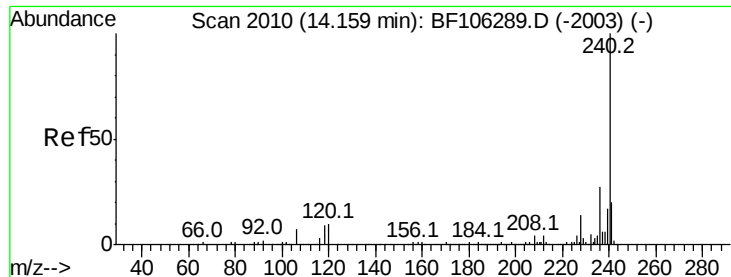


#63
Phenanthrene-d10
Concen: 0.000 ng
Expected RT: 11.50 min

Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Tgt Ion: 188
Sig Exp Ratio
188 100
94 10.6
80 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

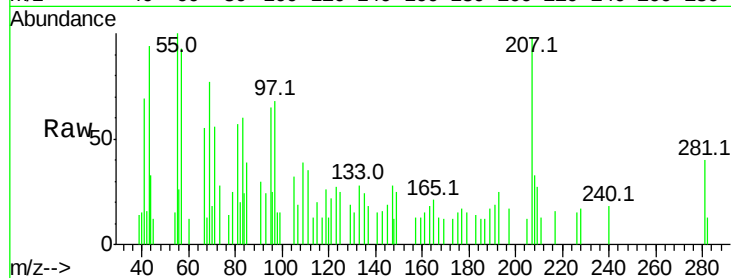
Tot Ion:240 Resp: 160

Ion Ratio Lower Upper

240 100

120 73.9 9.5 14.3#

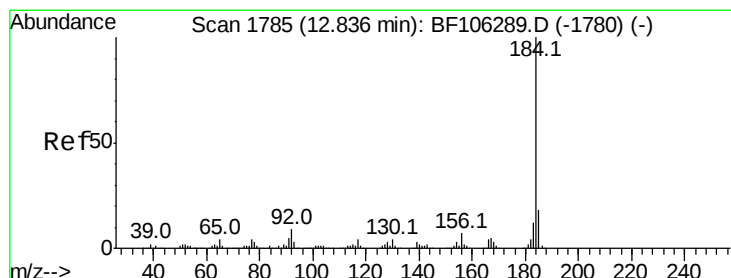
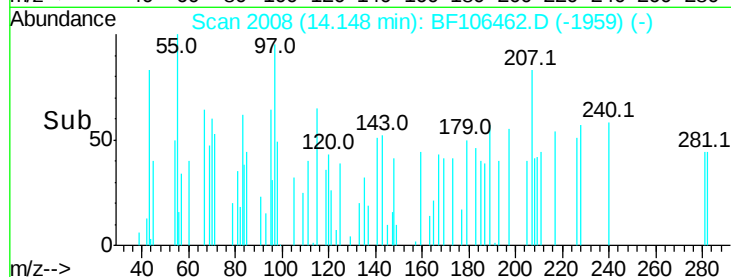
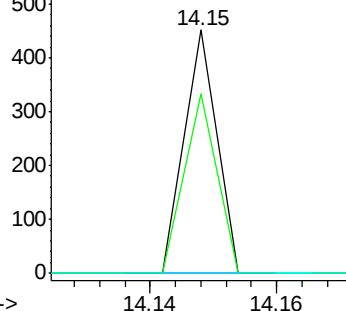
236 0.0 20.7 31.1#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2648.435 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

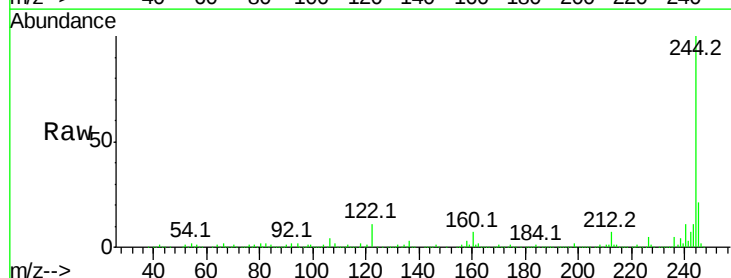
Tgt Ion:184 Resp: 14103

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

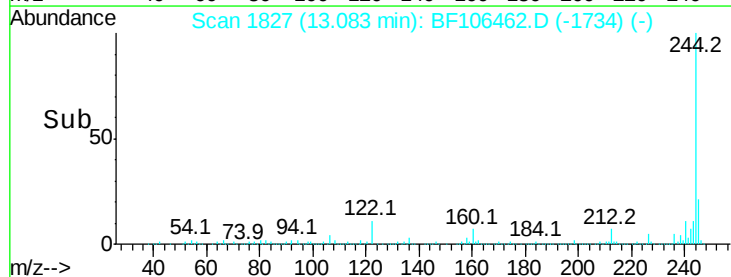
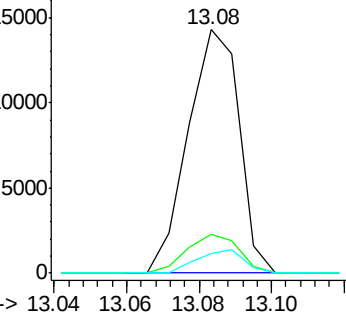
183 8.1 9.3 13.9#

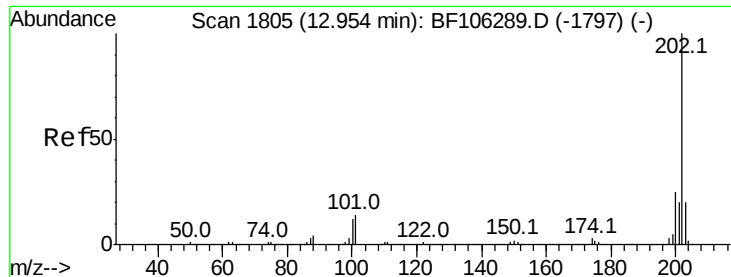


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 307.278 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.24 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Instrument :

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CONCRETE-BASE

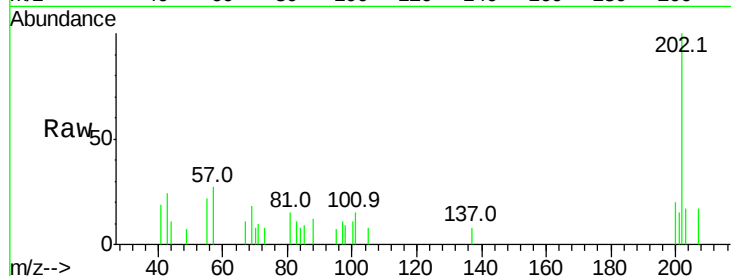
Tot Ion:202 Resp: 3078

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

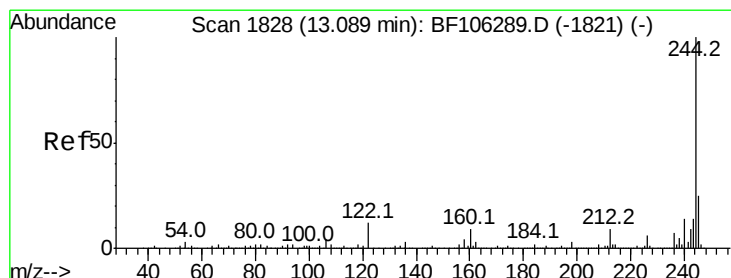
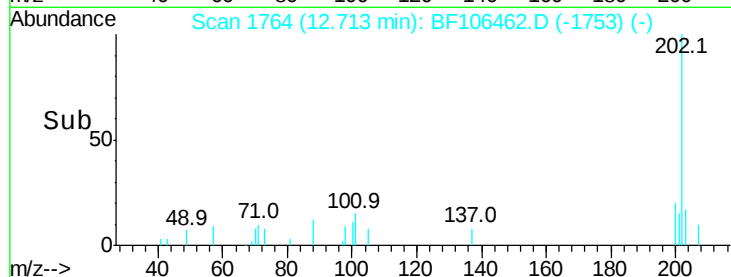
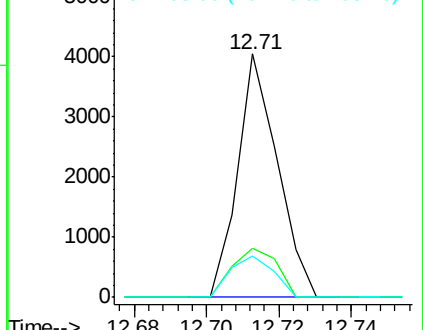
203 17.0 14.3 21.5



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: 171372.124 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

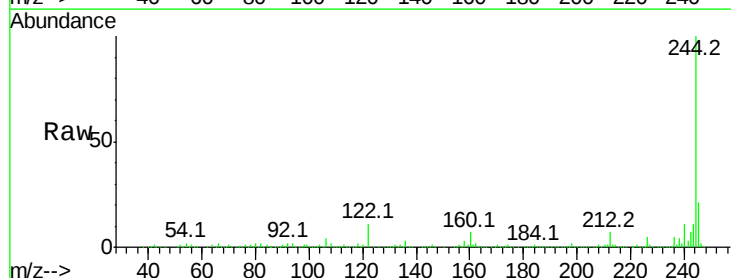
Tgt Ion:244 Resp: 1103943

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

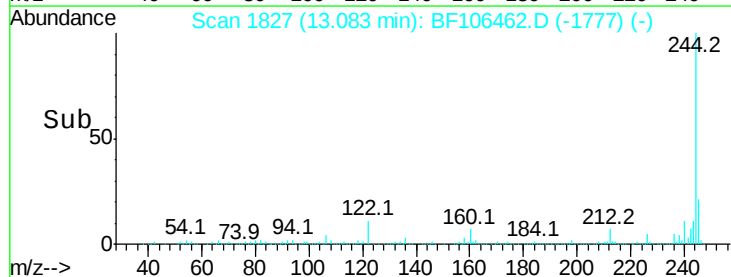
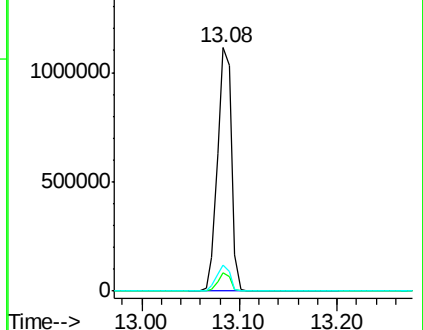
122 10.9 11.0 16.4#

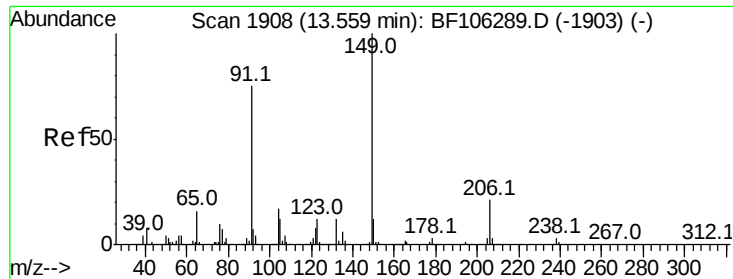


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

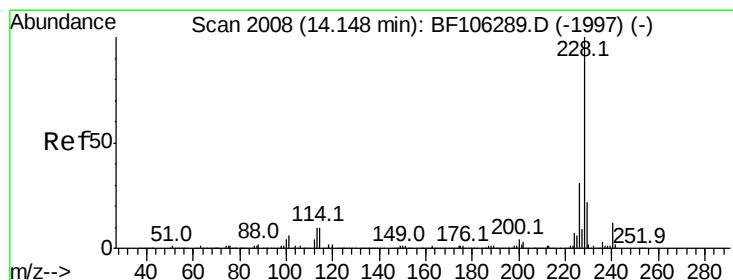
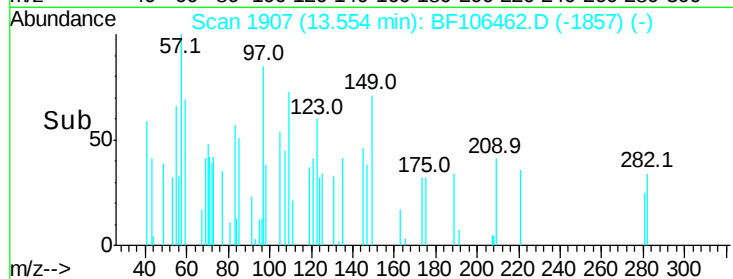
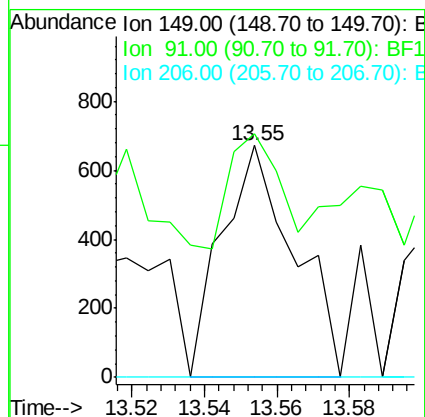
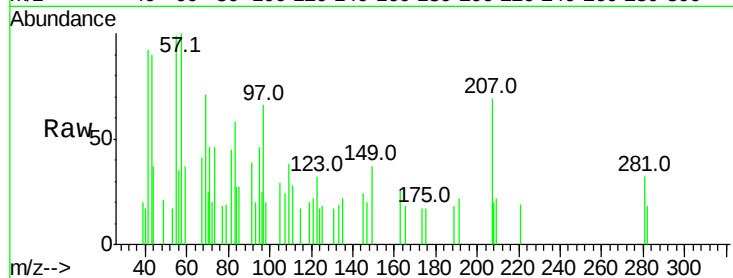




#79
 Butylbenzylphthalate
 Concen: 249.360 ng
 RT: 13.55 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

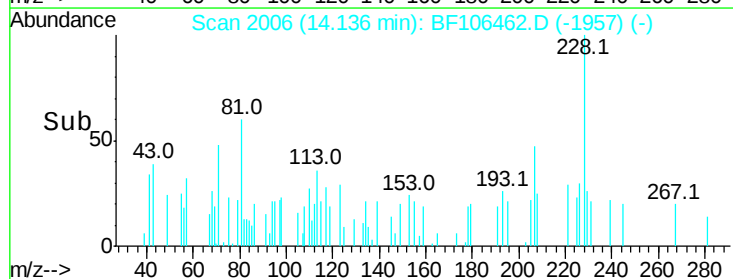
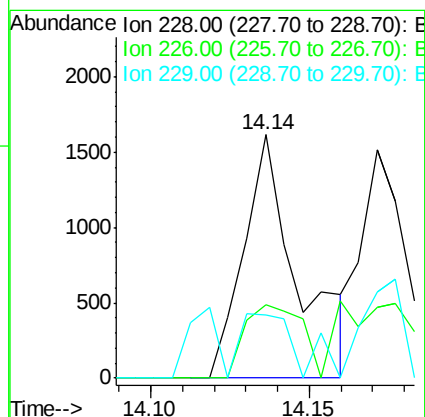
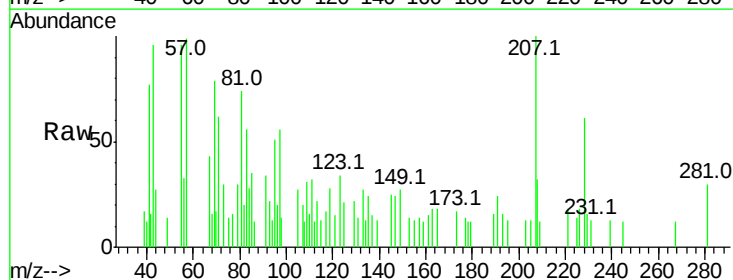
Instrument :
 BNA_F
 ClientSampleID :
 CONCRETE-BASE

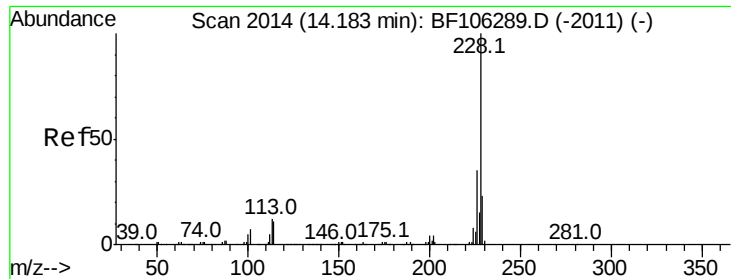
Tot Ion:	149	Resp:	935
Ion	Ratio	Lower	Upper
149	100		
91	105.1	56.8	85.2#
206	0.0	14.1	21.1#



#80
 Benzo(a)anthracene
 Concen: 200.179 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

Tgt Ion:	228	Resp:	1906
Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	26.0	15.8	23.6#

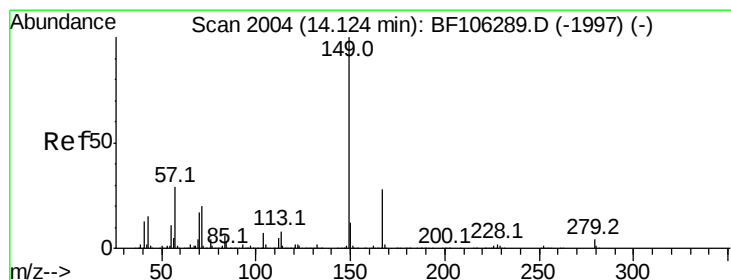
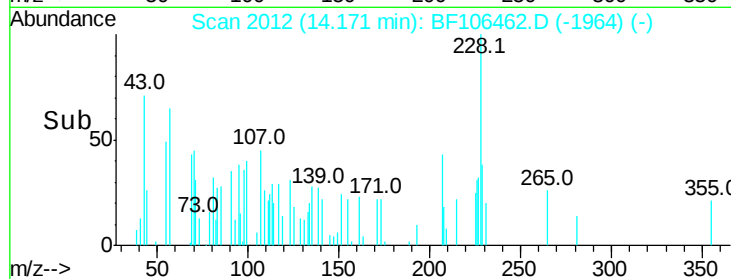
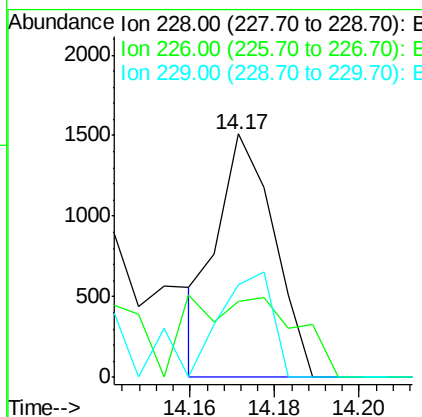
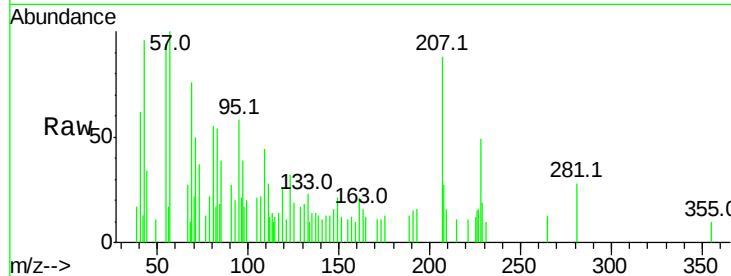




#82
 Chrysene
 Concen: 160.816 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

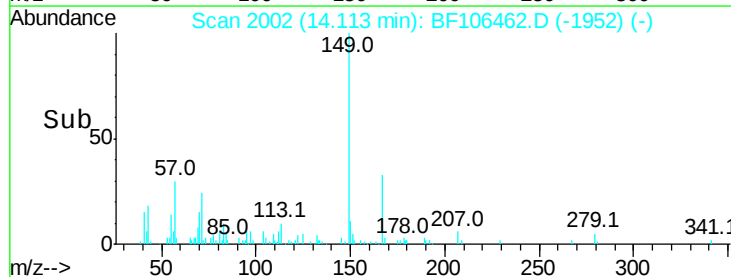
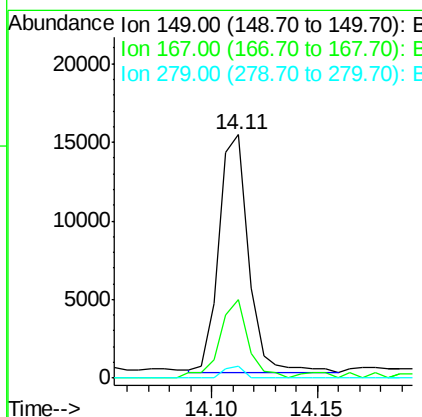
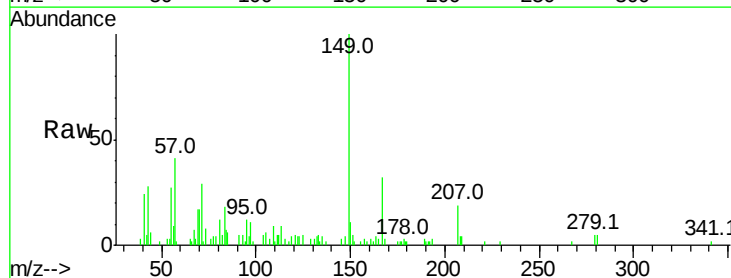
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-BASE

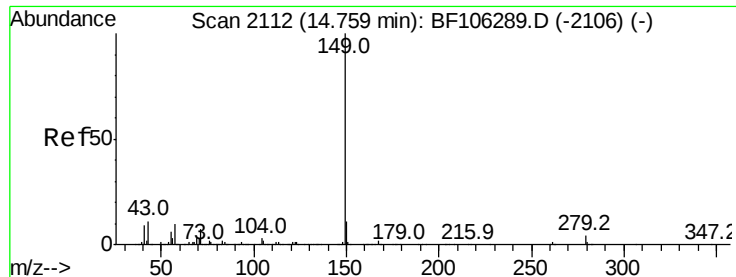
Tot Ion:228 Resp: 1398
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.0 37.6
 229 37.9 16.2 24.4#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2739.449 ng
 RT: 14.11 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF106462.D
 Acq: 15 Jun 2018 00:12

Tgt Ion:149 Resp: 14728
 Ion Ratio Lower Upper
 149 100
 167 32.1 21.3 31.9#
 279 4.8 3.0 4.4#

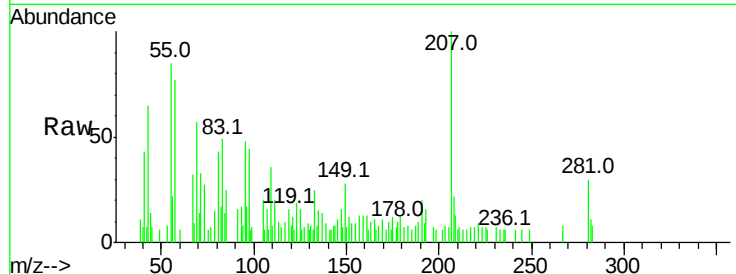




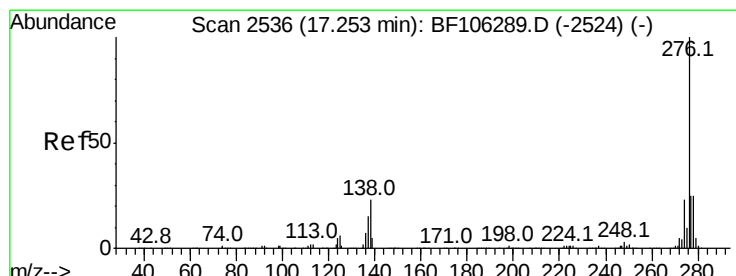
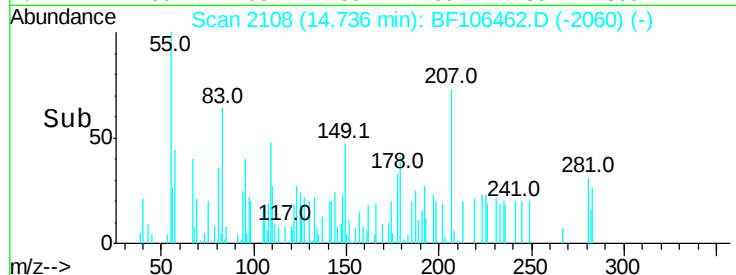
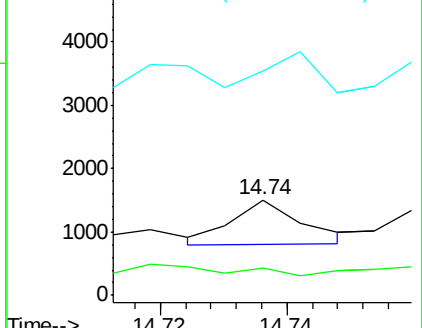
#84
Di-n-octyl phthalate
Concen: 70.187 ng
RT: 14.74 min Scan# 2108
Delta R.T. -0.02 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

Tot Ion:149 Resp: 544
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 8.4 12.6#

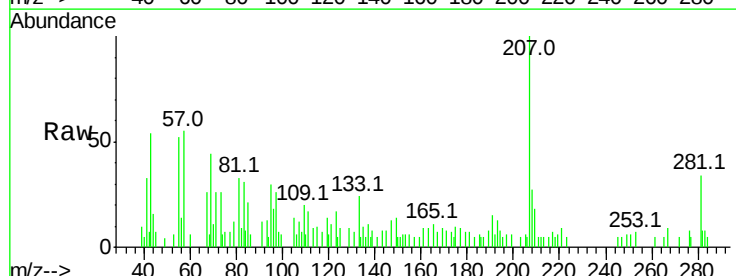


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

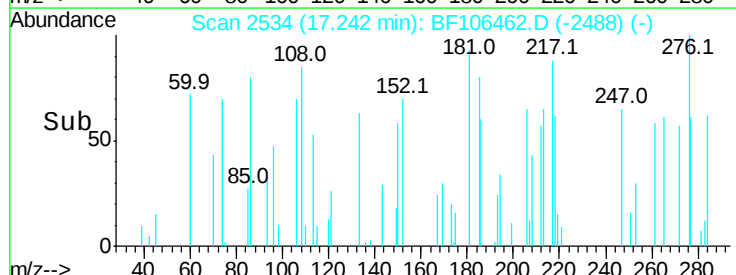
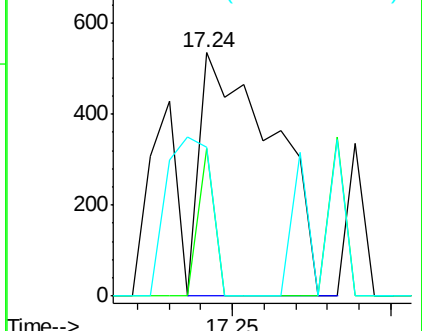


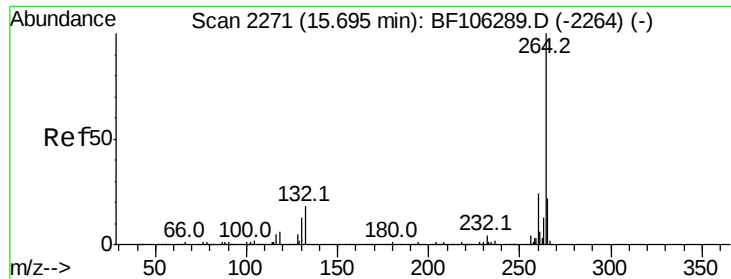
#85
Indeno(1,2,3-cd)pyrene
Concen: 124.390 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.03 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Tgt Ion:276 Resp: 863
Ion Ratio Lower Upper
276 100
138 13.3 25.0 37.6#
277 40.1 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

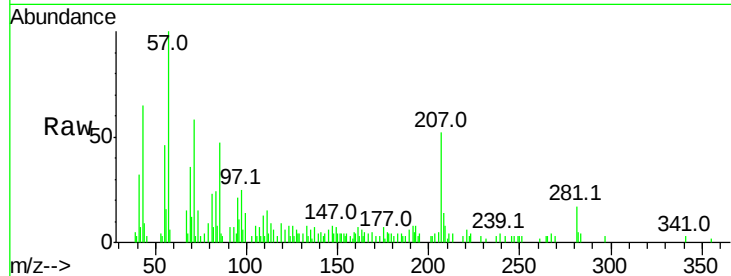




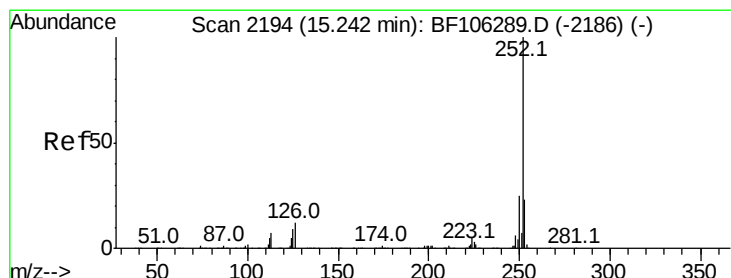
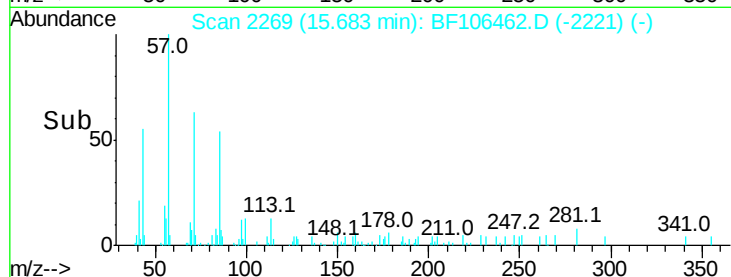
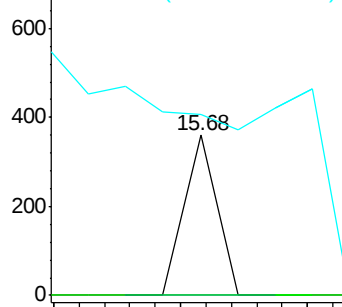
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

Tot Ion:264 Resp: 127
Ion Ratio Lower Upper
264 100
260 0.0 19.2 28.8#
265 113.3 17.5 26.3#

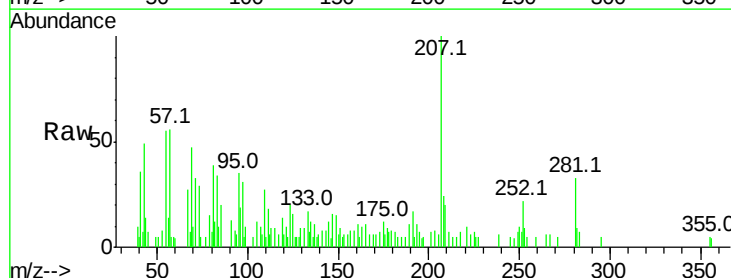


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

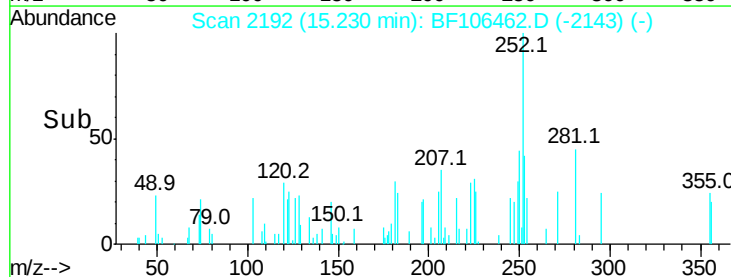
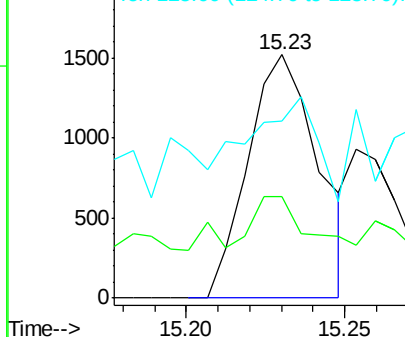


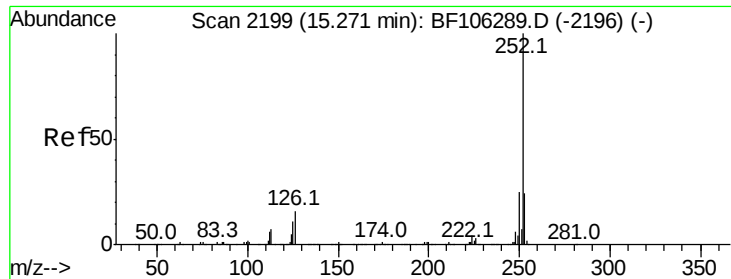
#87
Benzo(b)fluoranthene
Concen: 305.067 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Tgt Ion:252 Resp: 2342
Ion Ratio Lower Upper
252 100
253 41.9 17.0 25.6#
125 72.5 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

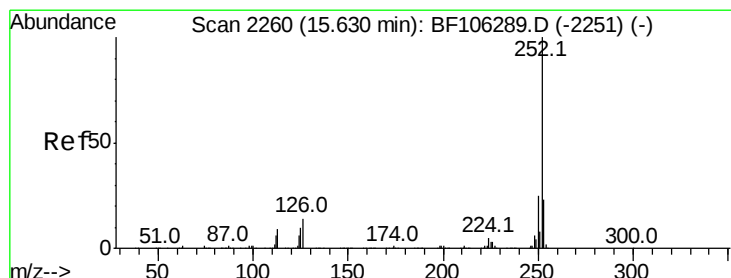
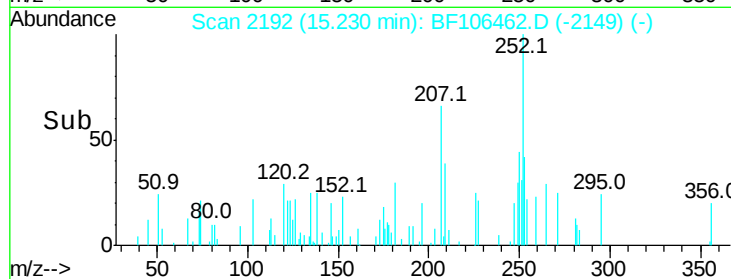
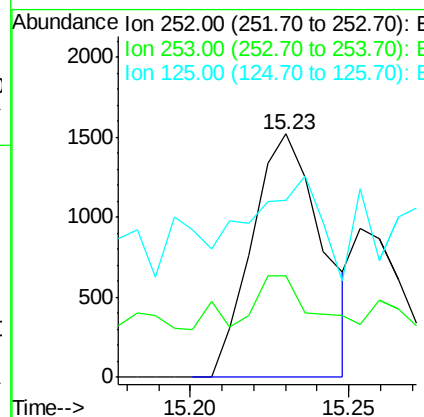
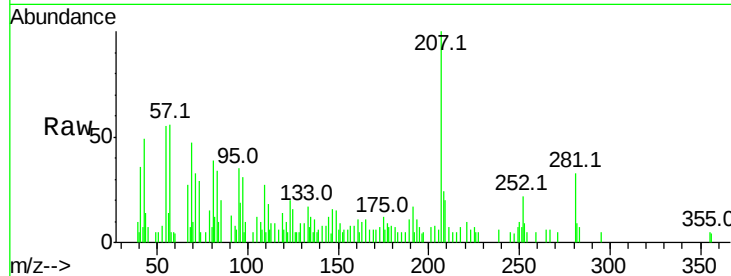




#88
Benzo(k)fluoranthene
Concen: 308.033 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

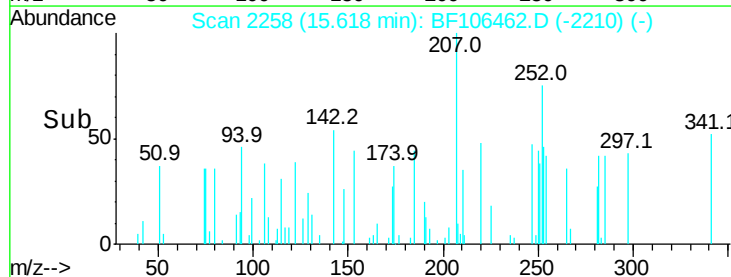
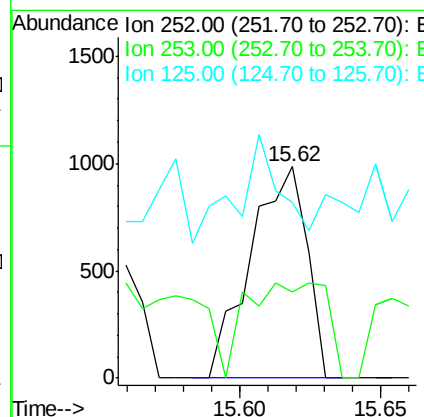
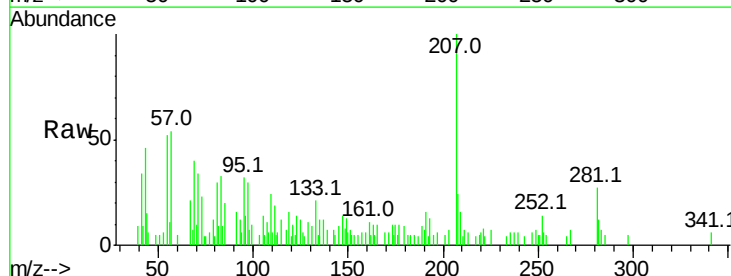
Instrument :
BNA_F
ClientSampleId :
CONCRETE-BASE

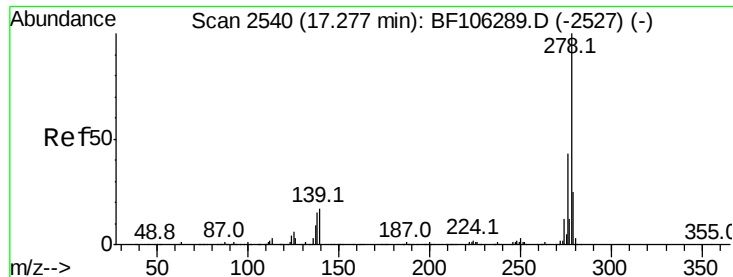
Tot Ion:252 Resp: 2342
Ion Ratio Lower Upper
252 100
253 41.9 17.9 26.9#
125 72.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 197.099 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF106462.D
Acq: 15 Jun 2018 00:12

Tgt Ion:252 Resp: 1361
Ion Ratio Lower Upper
252 100
253 40.9 17.1 25.7#
125 83.0 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 20.324 ng

RT: 17.49 min Scan# 2577

Delta R.T. 0.21 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

Instrument :

BNA_F

ClientSampleId :

CONCRETE-BASE

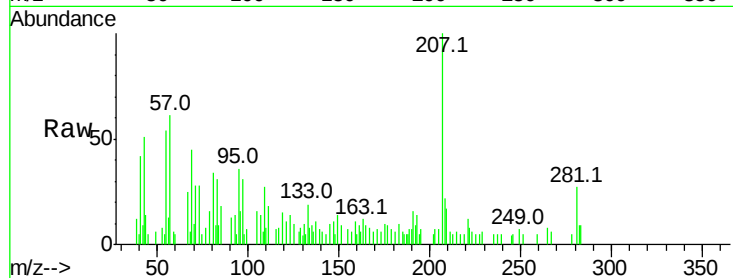
Tot Ion:278 Resp: 117

Ion Ratio Lower Upper

278 100

139 149.2 15.9 23.9#

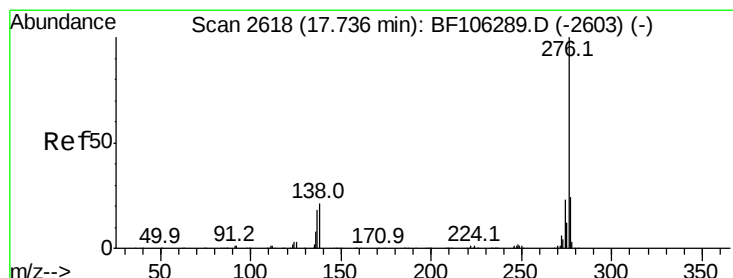
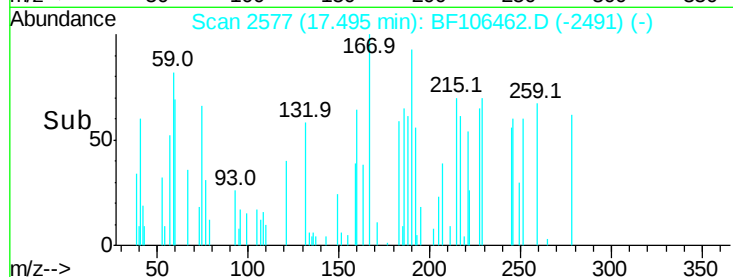
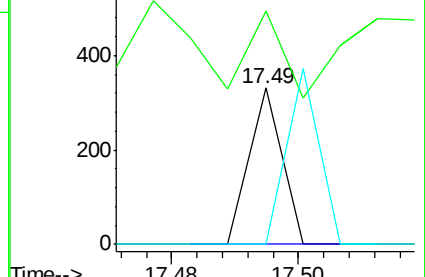
279 0.0 19.0 28.4#



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: 184.105 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF106462.D

Acq: 15 Jun 2018 00:12

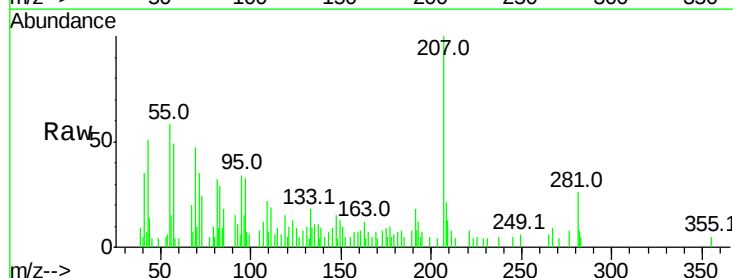
Tgt Ion:276 Resp: 1030

Ion Ratio Lower Upper

276 100

277 0.0 17.9 26.9#

138 59.9 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

