

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106449.D
 Acq On : 14 Jun 2018 18:24
 Operator : JU/SJ
 Sample : J3241-11 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

Quant Time: Jun 15 01:12:19 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	6.97	152	129796	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	486279	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	199440	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	327593	20.00	ng	0.00
75) Chrysene-d12	14.15	240	338544	20.00	ng	-0.01
86) Perylene-d12	15.69	264	228868	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	140502	18.32	ng	0.00
7) Phenol-d6	6.61	99	176166	18.18	ng	0.00
23) Nitrobenzene-d5	7.52	82	102415	12.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	29841	15.55	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	195257	7.76	ng	0.00
78) Terphenyl-d14	13.08	244	179814	13.19	ng	-0.01

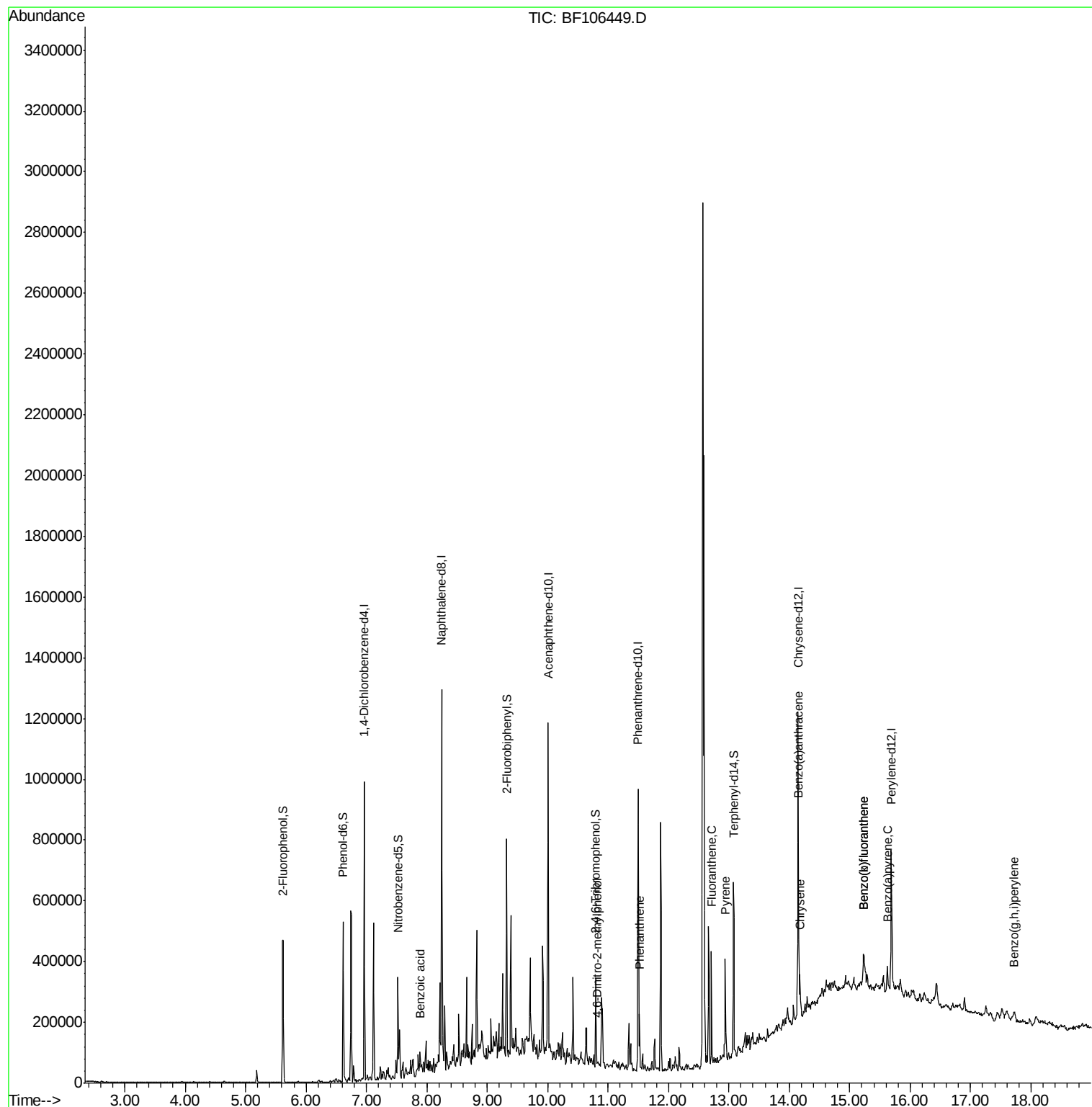
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.90	122	199	7.322	ng	86
64) 4,6-Dinitro-2-methylphenol	10.83	198	132	6.360	ng	# 1
70) Phenanthrene	11.52	178	62392	3.889	ng	97
74) Fluoranthene	12.71	202	126748	7.408	ng	96
77) Pyrene	12.95	202	121842	5.749	ng	96
80) Benzo(a)anthracene	14.14	228	67791	3.365	ng	98
82) Chrysene	14.18	228	58840	3.199	ng	97
87) Benzo(b)fluoranthene	15.23	252	78181	5.651	ng	93
88) Benzo(k)fluoranthene	15.23	252	78181	5.706	ng	96
89) Benzo(a)pyrene	15.62	252	40606	3.263	ng	# 92
91) Benzo(g,h,i)perylene	17.72	276	22634	2.245	ng	92

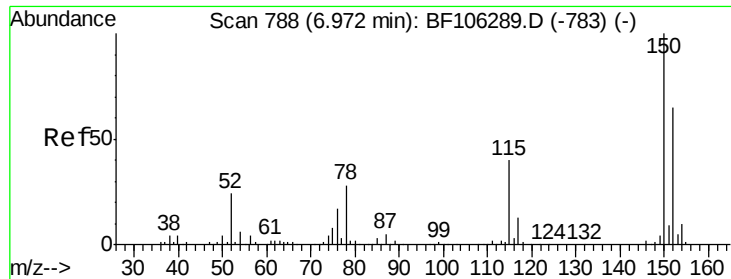
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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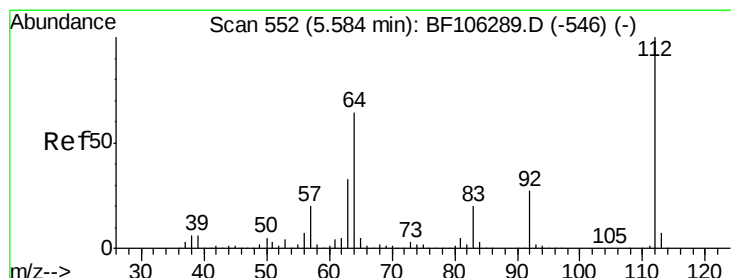
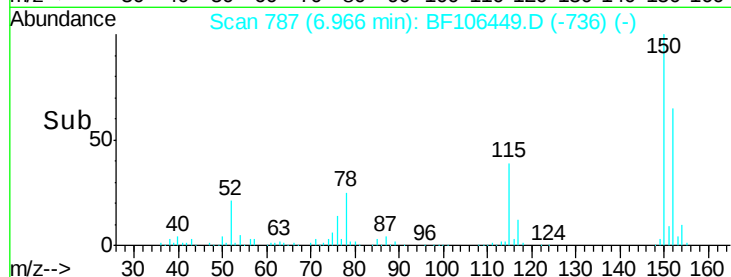
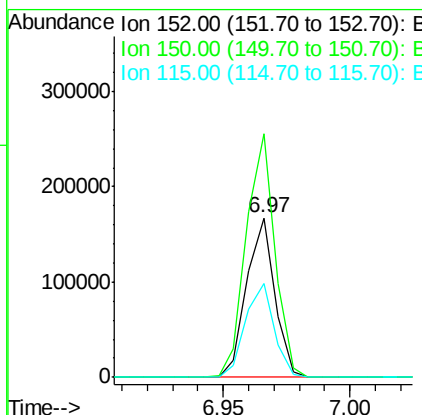
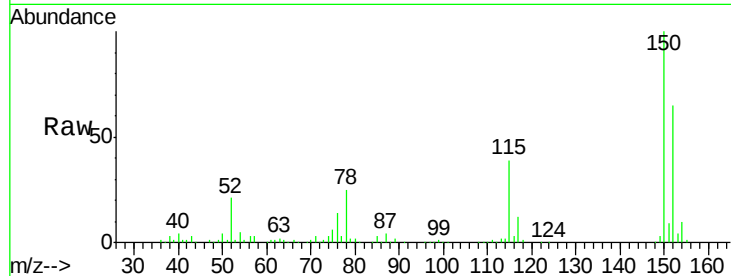




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

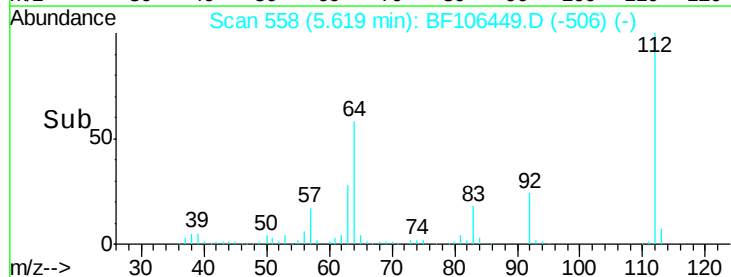
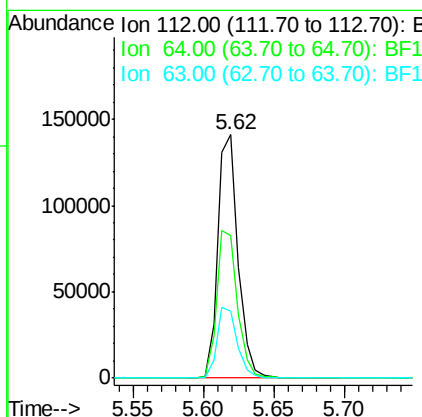
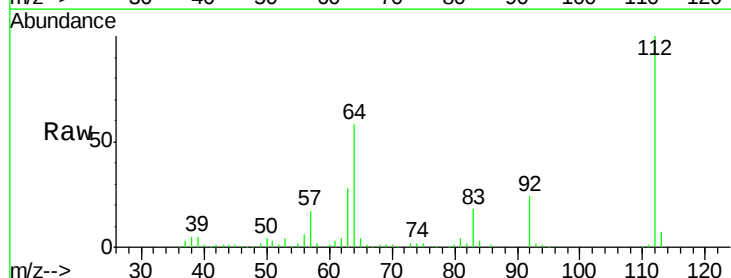
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

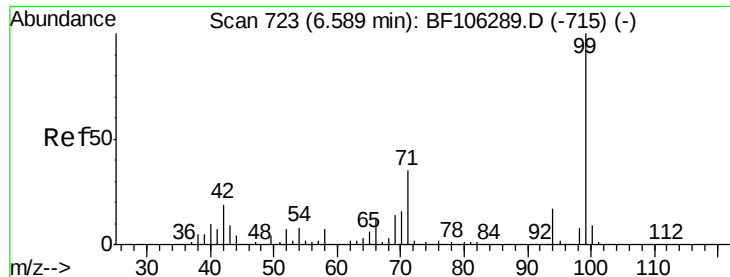
Tgt Ion:152 Resp: 129796
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.6 186.8
 115 59.0 50.1 75.1



#5
 2-Fluorophenol
 Concen: 18.321 ng
 RT: 5.62 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Tgt Ion:112 Resp: 140502
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.9 71.9
 63 27.6 23.7 35.5





#7

Phenol-d6

Concen: 18.182 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

ClientSampleId :

HR-05-061318-C

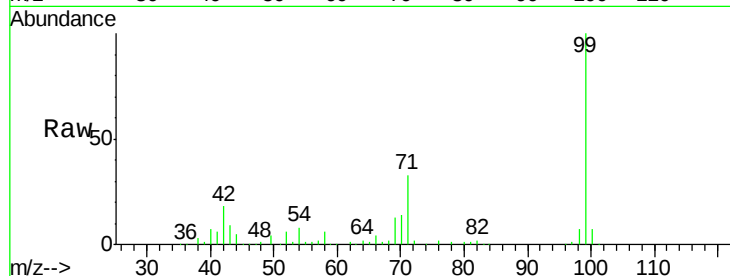
Tgt Ion: 99 Resp: 176166

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

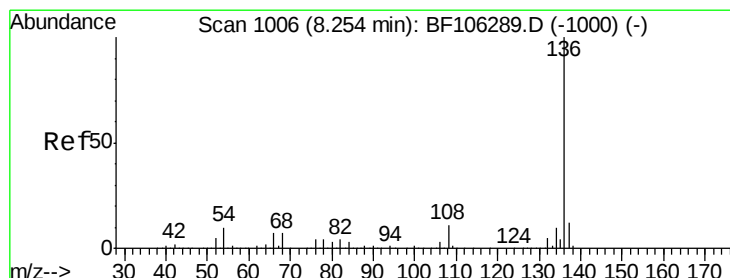
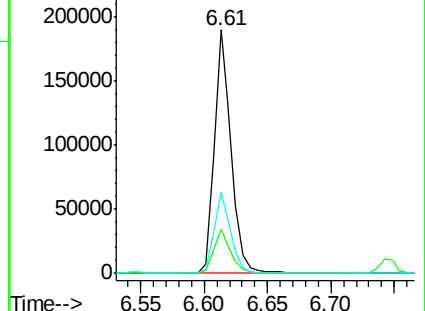
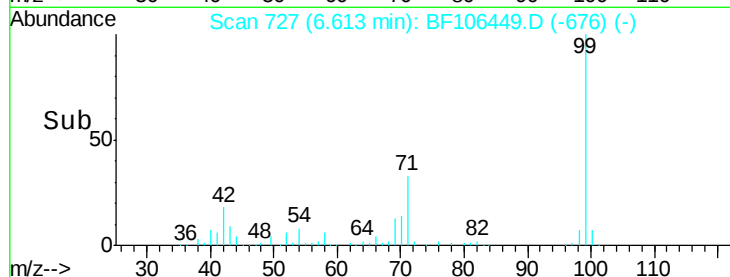
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Tgt Ion: 136 Resp: 486279

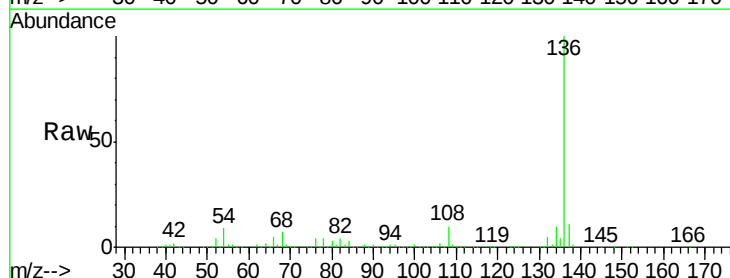
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 6.7 5.0 7.4

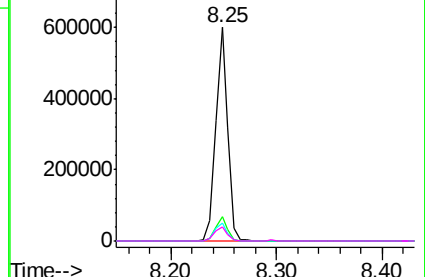
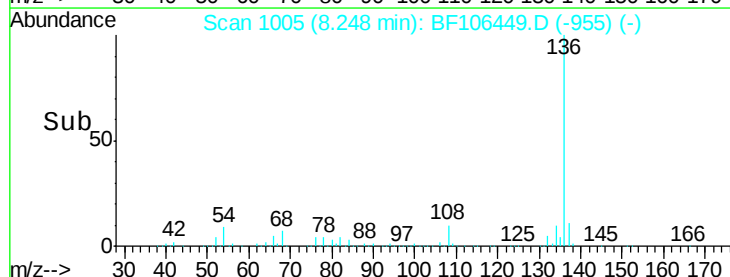


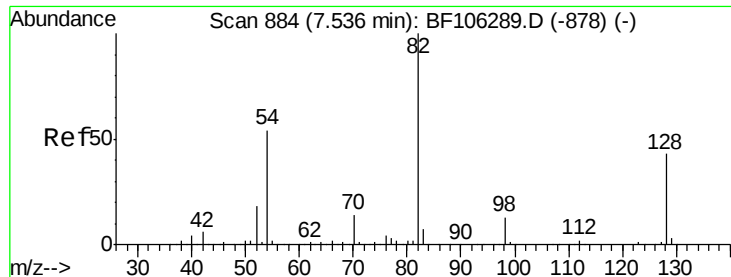
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

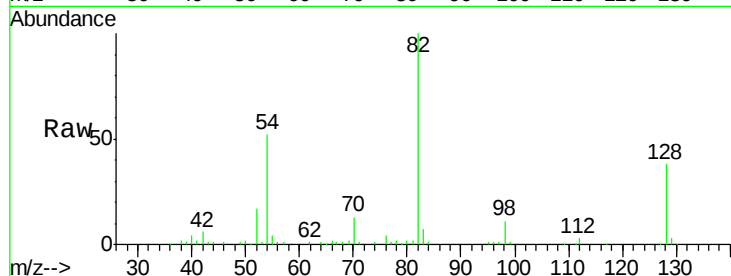




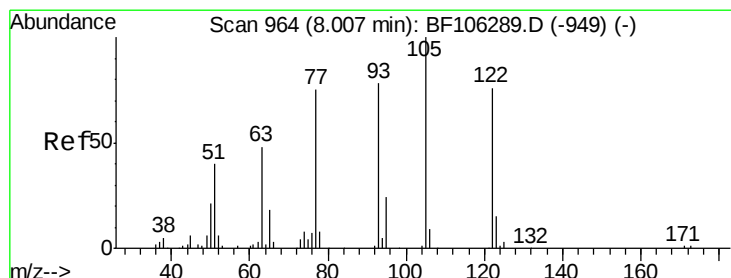
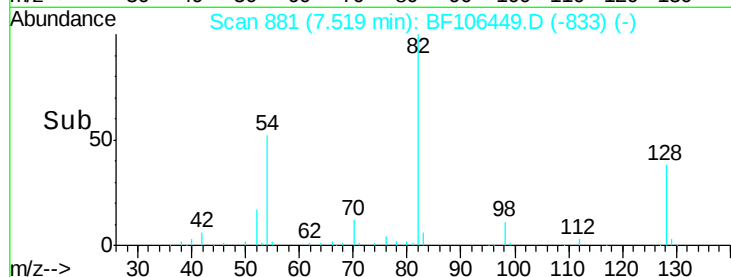
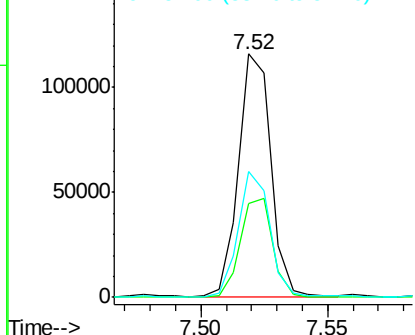
#23
 Nitrobenzene-d5
 Concen: 12.390 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

Tgt Ion: 82 Resp: 102415
 Ion Ratio Lower Upper
 82 100
 128 38.3 36.1 54.1
 54 51.8 41.4 62.2

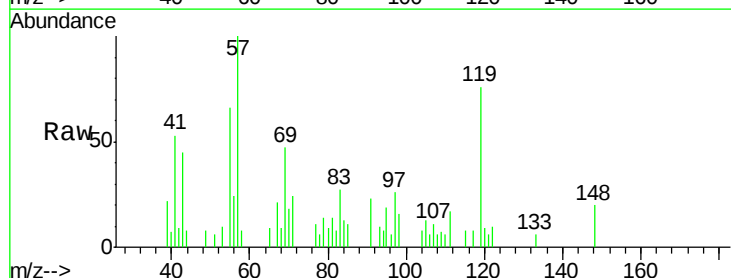


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

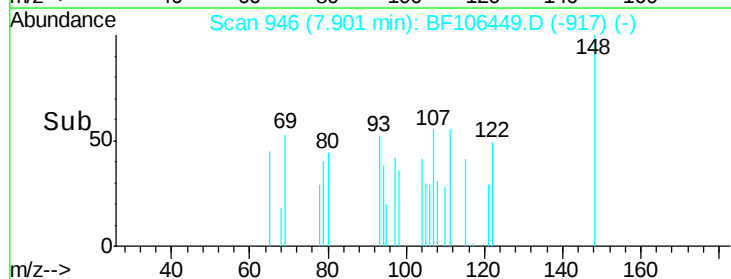
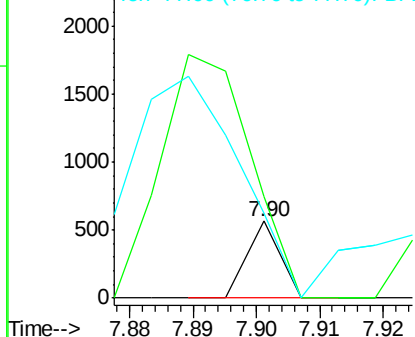


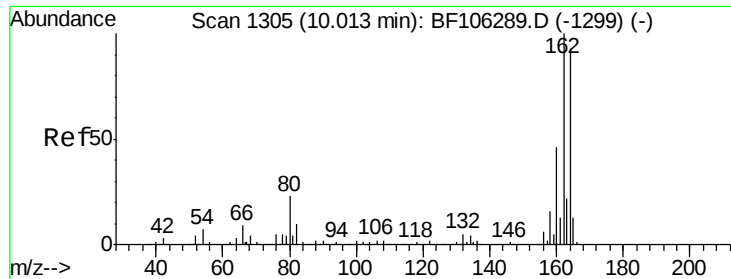
#32
 Benzoic acid
 Concen: 7.322 ng
 RT: 7.90 min Scan# 946
 Delta R.T. -0.13 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Tgt Ion: 122 Resp: 199
 Ion Ratio Lower Upper
 122 100
 105 132.3 101.1 141.1
 77 109.9 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
 Ion 105.00 (104.70 to 105.70): BF1
 Ion 77.00 (76.70 to 77.70): BF1

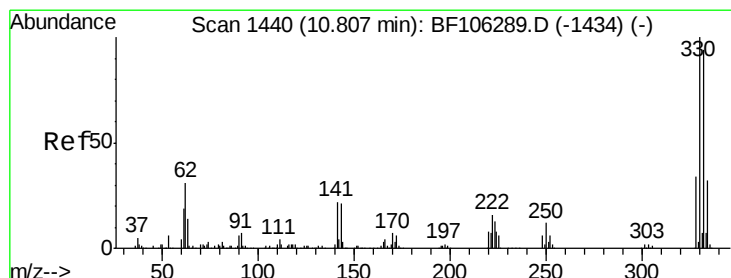
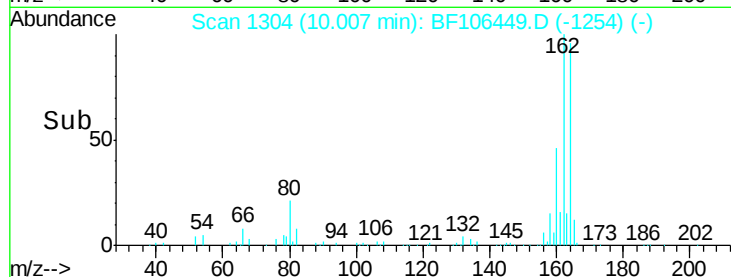
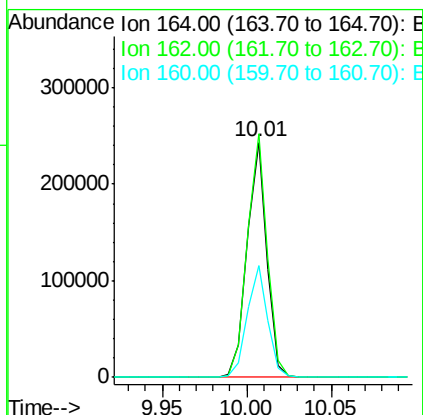
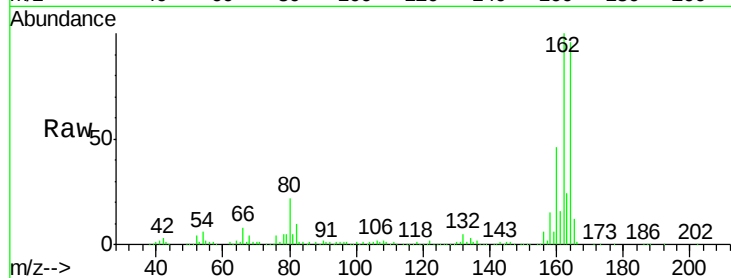




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

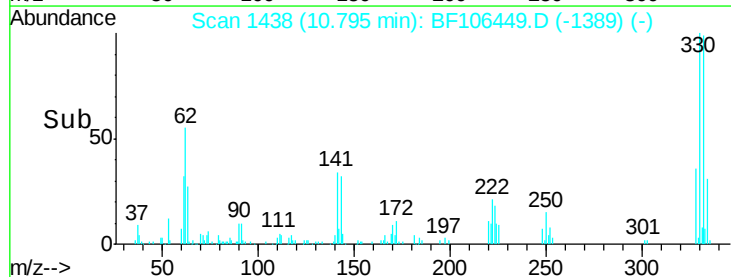
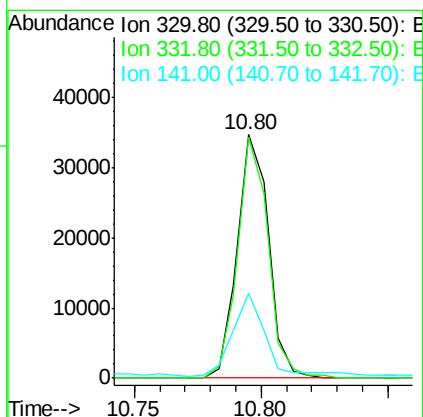
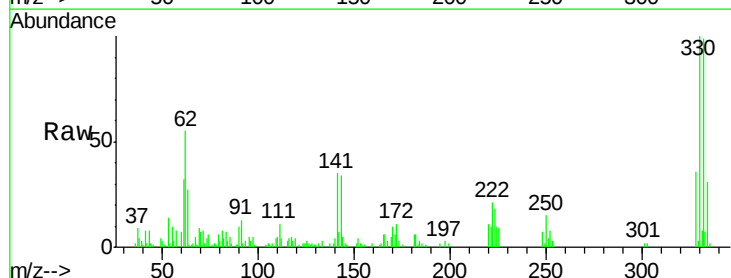
Instrument :
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HR-05-061318-C

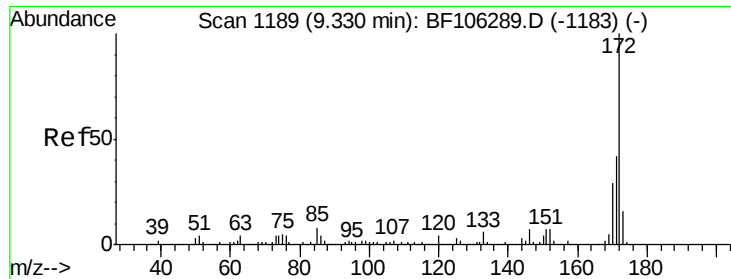
Tgt Ion:164 Resp: 199440
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 47.5 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 15.551 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion:330 Resp: 29841
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 35.1 29.9 44.9

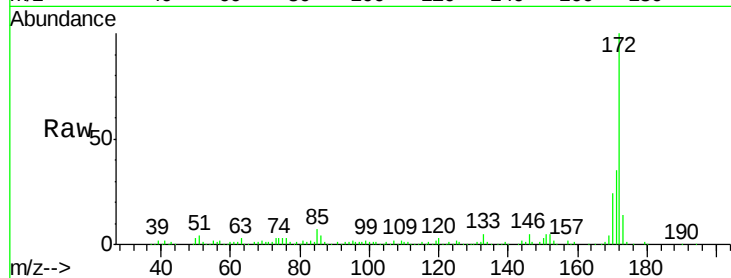




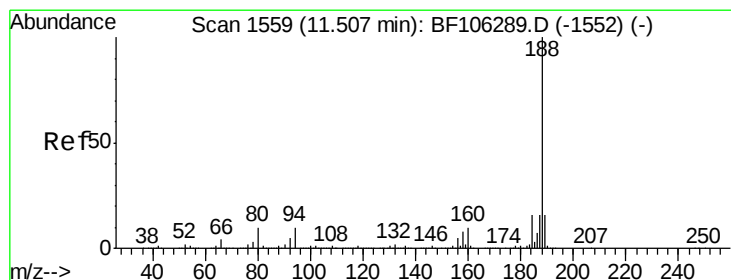
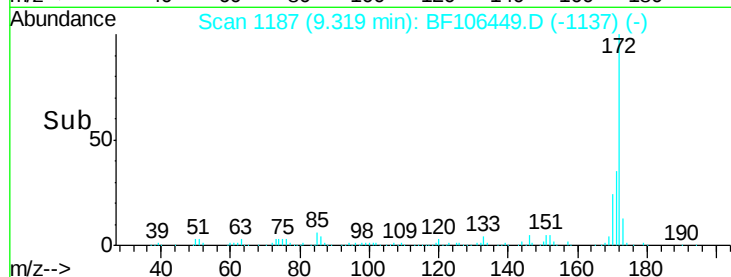
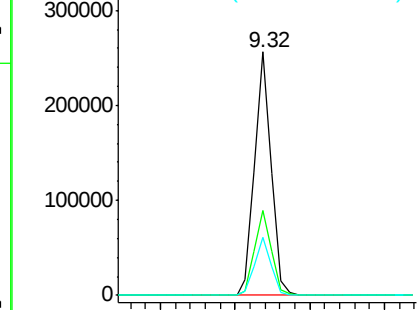
#44
 2-Fluorobiphenyl
 Concen: 7.760 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.1	19.6	29.4

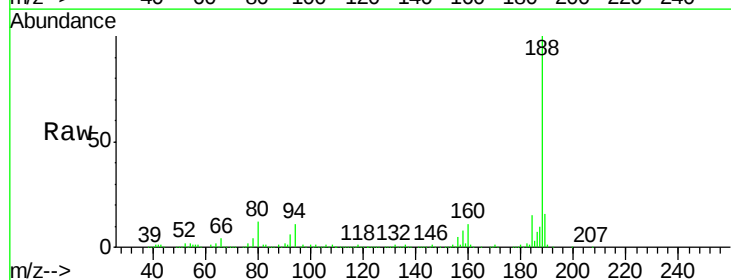


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

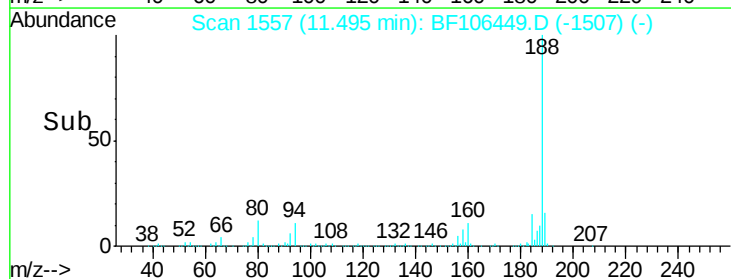
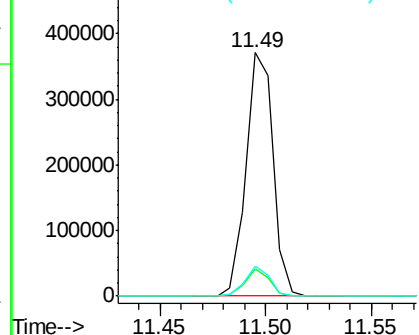


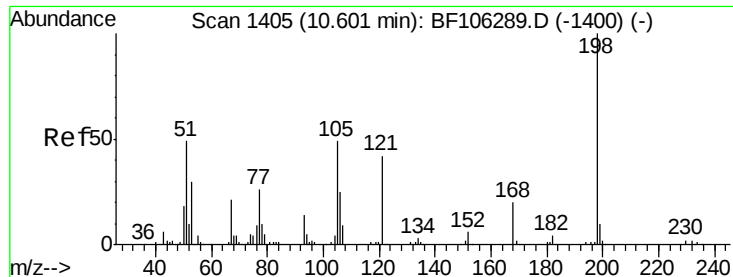
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

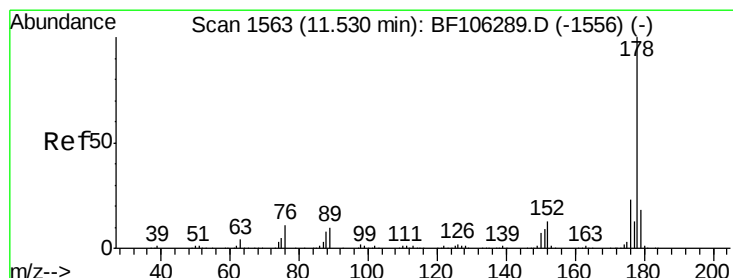
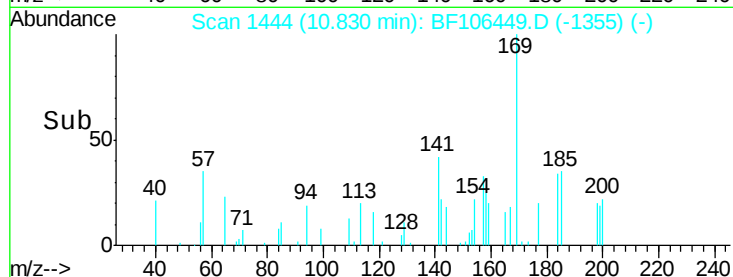
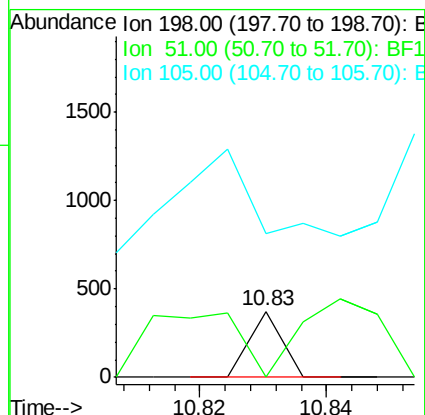
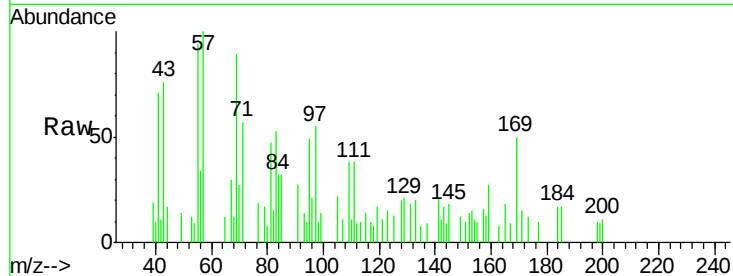




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.360 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. 0.22 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

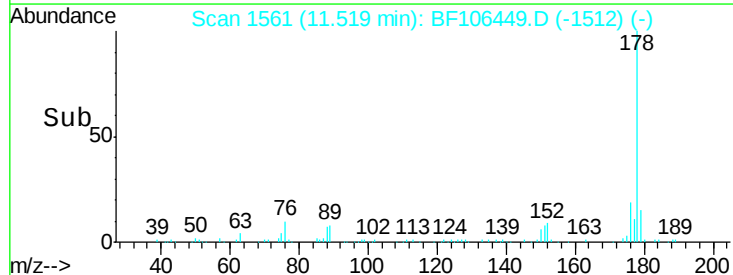
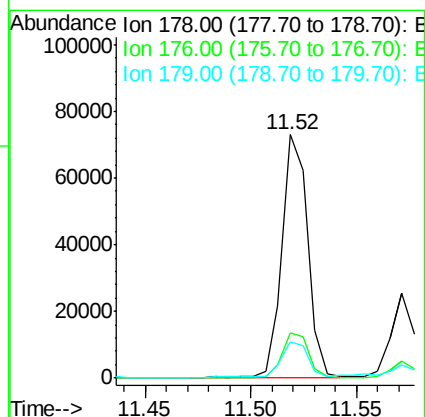
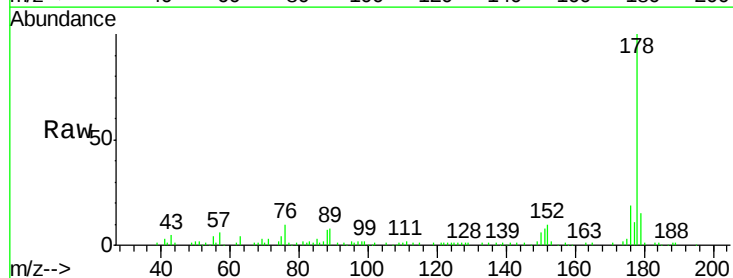
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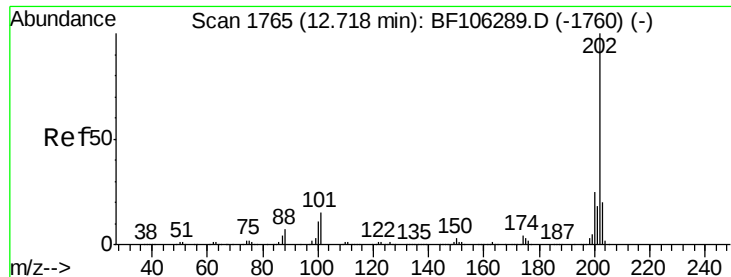
Tgt Ion:198 Resp: 132
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 218.4 36.3 76.3#



#70
 Phenanthrene
 Concen: 3.889 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Tgt Ion:178 Resp: 62392
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.0 13.0 19.6





#74

Fluoranthene

Concen: 7.408 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

ClientSampleId :

HR-05-061318-C

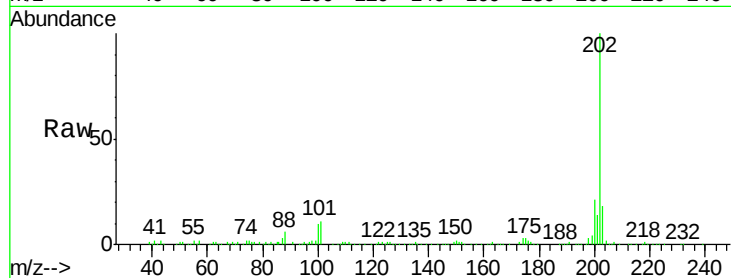
Tgt Ion:202 Resp: 126748

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

203 17.5 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

12.71

150000

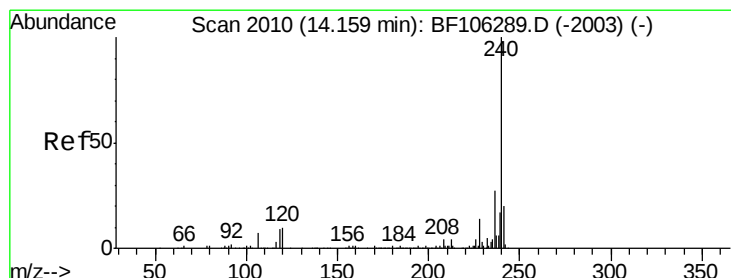
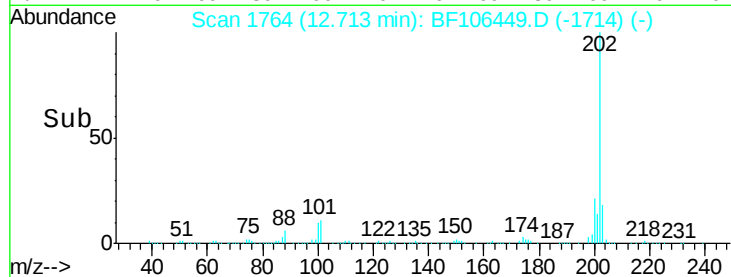
100000

50000

0

12.70 12.75

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

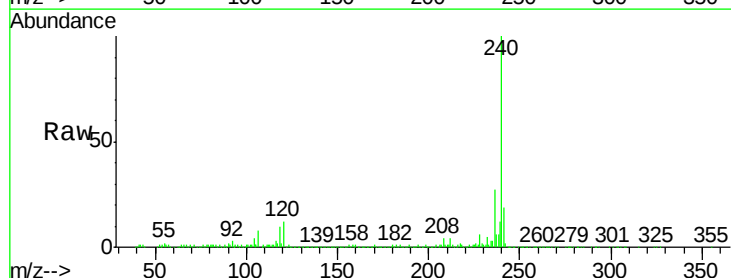
Tgt Ion:240 Resp: 338544

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 26.7 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

14.15

500000

400000

300000

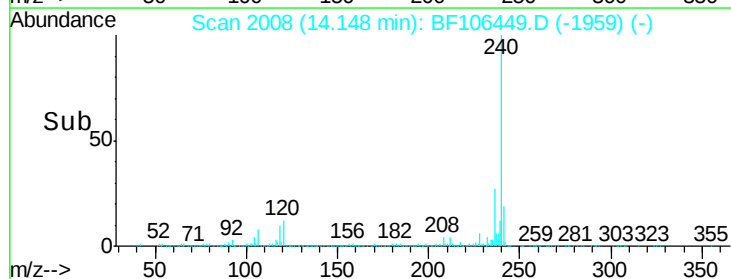
200000

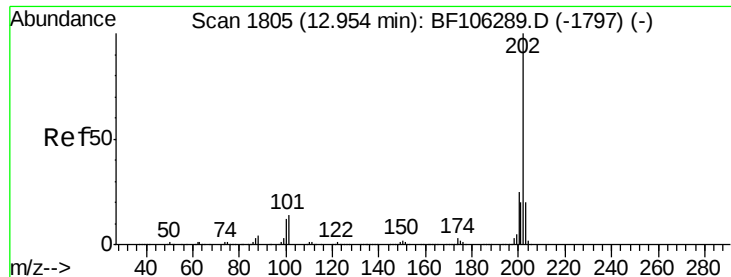
100000

0

14.10 14.20

Time-->





#77

Pyrene

Concen: 5.749 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

ClientSampleId :

HR-05-061318-C

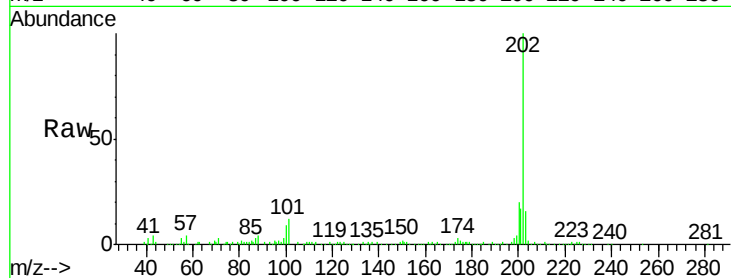
Tgt Ion:202 Resp: 121842

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

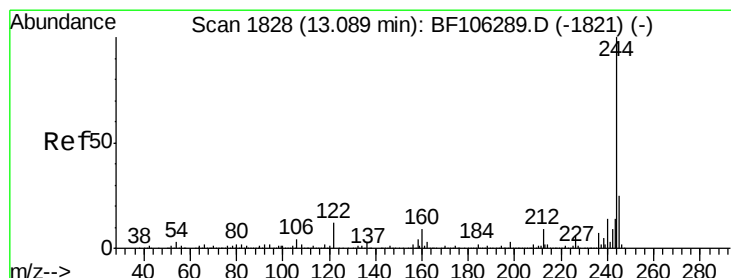
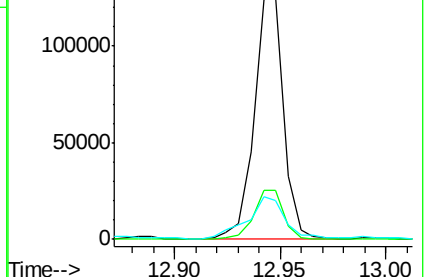
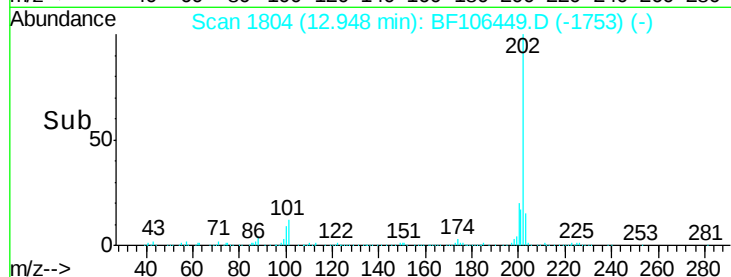
203 15.9 14.3 21.5



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: 13.192 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

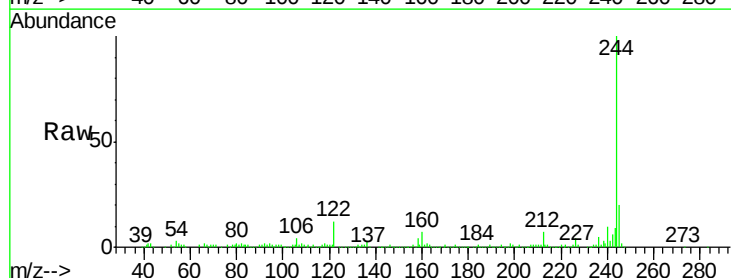
Tgt Ion:244 Resp: 179814

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

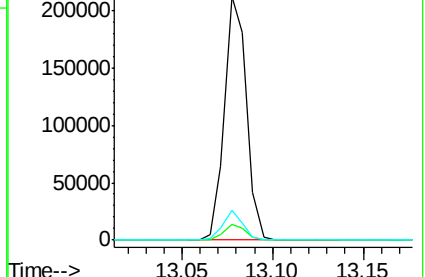
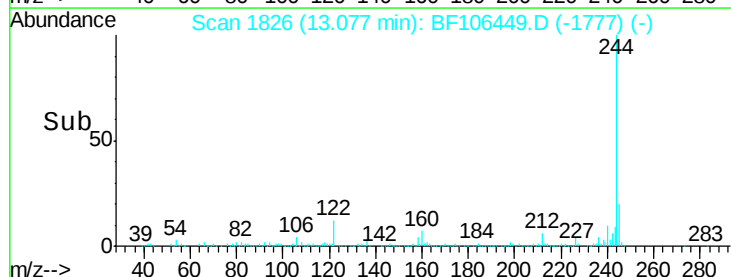
122 12.1 11.0 16.4

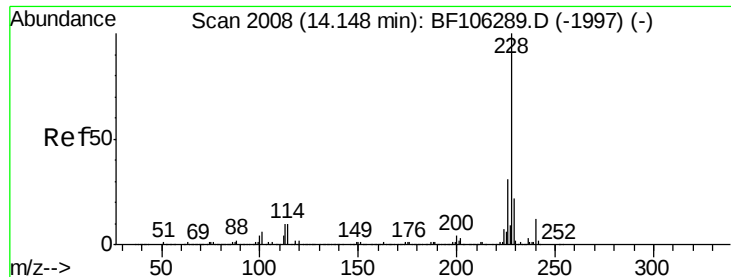


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

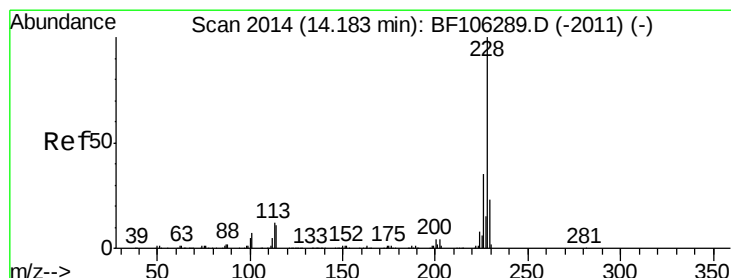
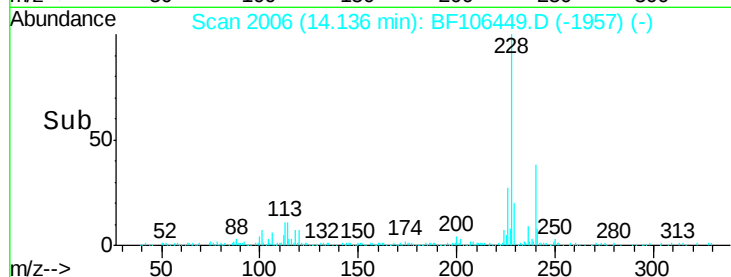
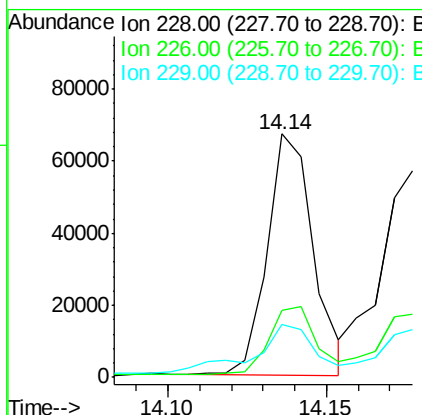
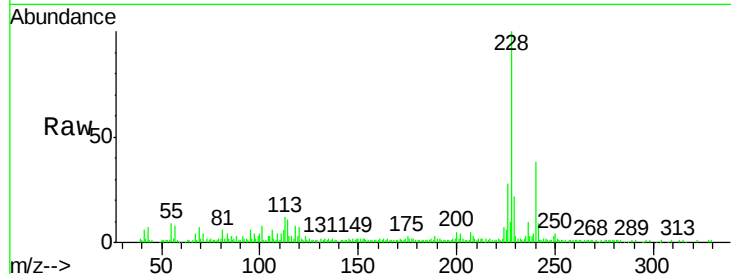




#80
Benzo(a)anthracene
Concen: 3.365 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

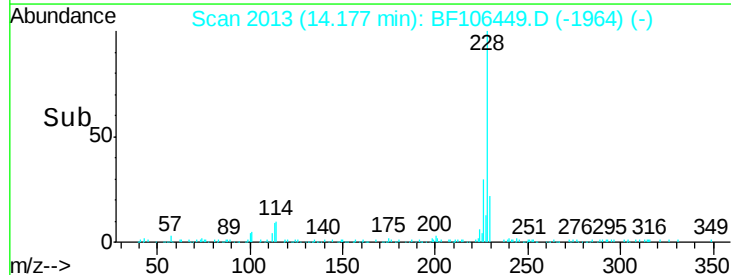
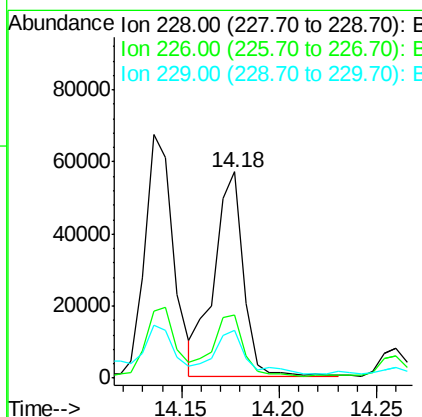
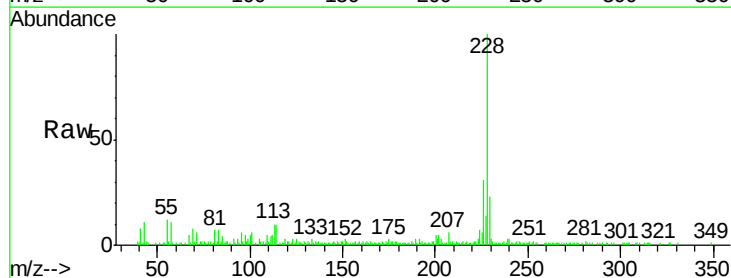
Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

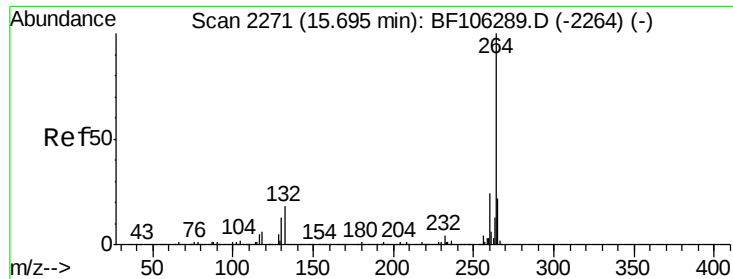
Tgt Ion:228 Resp: 67791
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 21.9 15.8 23.6



#82
Chrysene
Concen: 3.199 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion:228 Resp: 58840
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 23.3 16.2 24.4

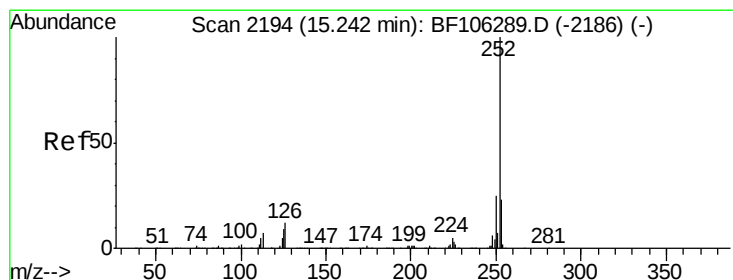
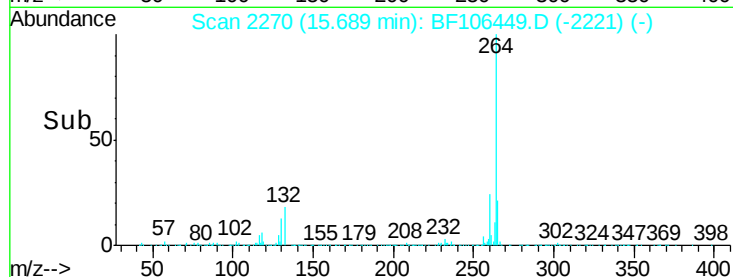
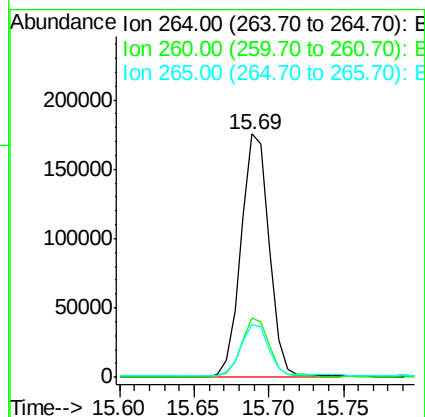
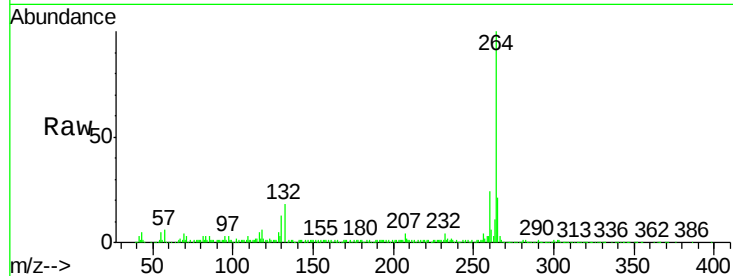




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

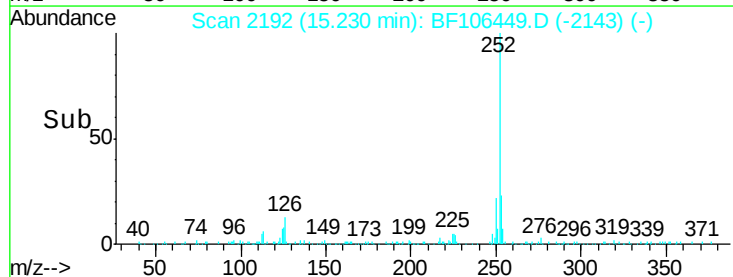
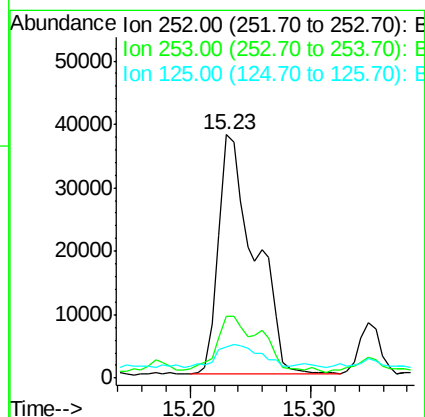
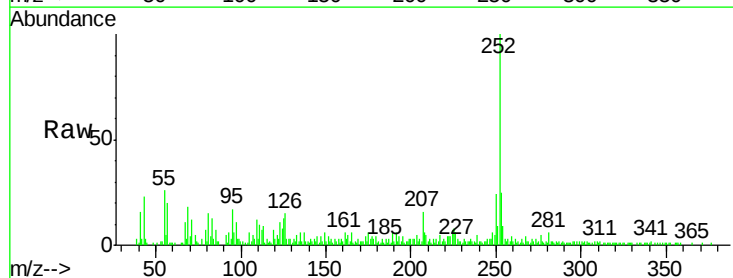
Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

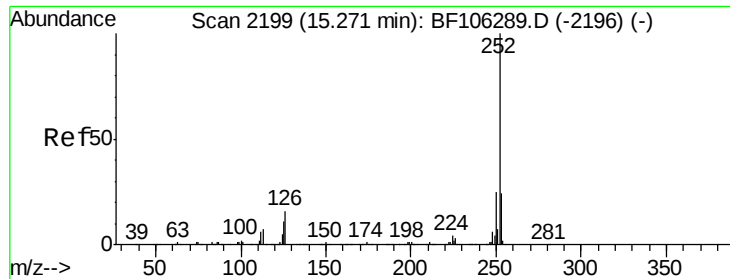
Tgt Ion:264 Resp: 228868
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.651 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion:252 Resp: 78181
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.6
125 13.0 9.0 13.6

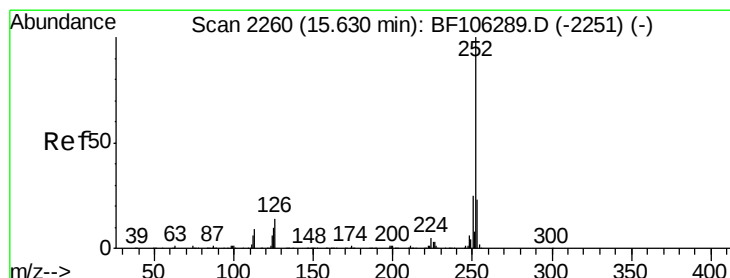
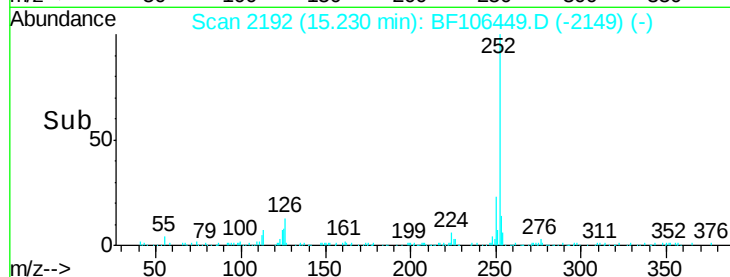
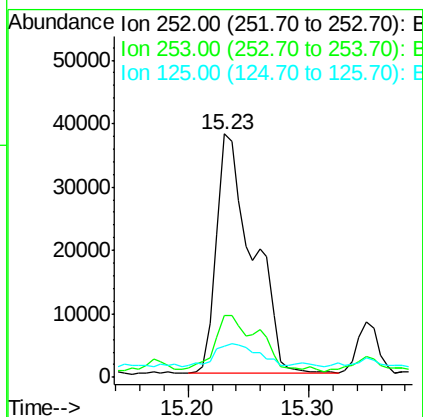
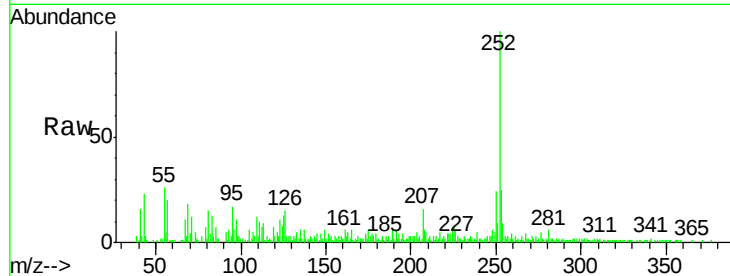




#88
Benzo(k)fluoranthene
Concen: 5.706 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

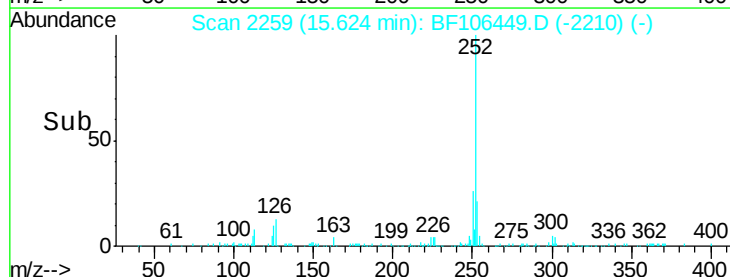
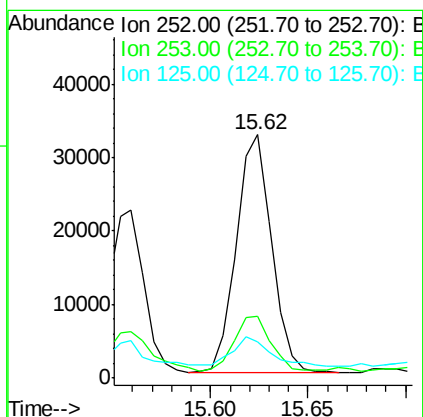
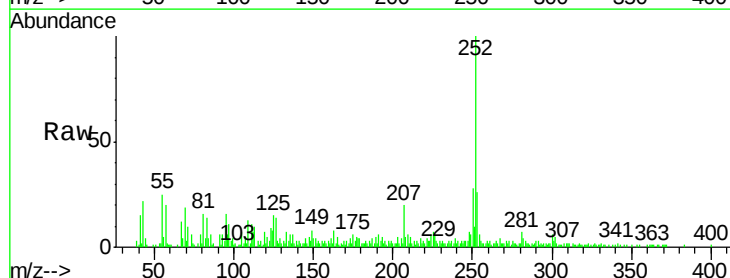
Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

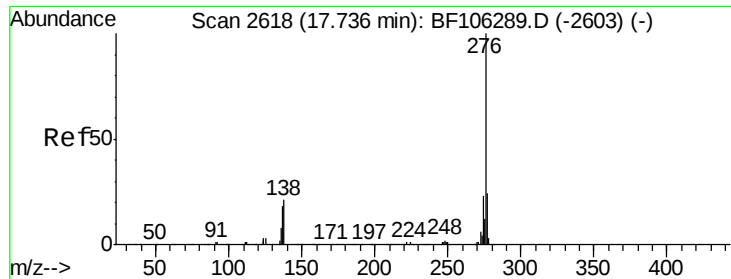
Tgt Ion:252 Resp: 78181
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 13.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.263 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion:252 Resp: 40606
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 14.8 9.8 14.6#

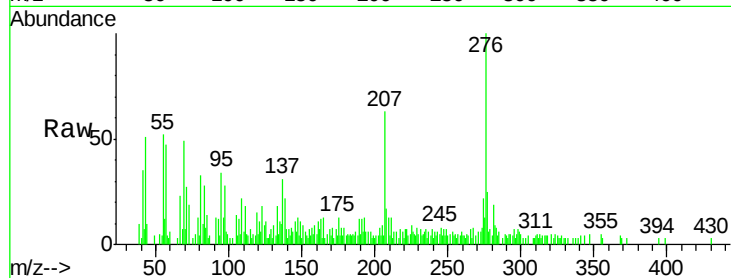




#91
 Benzo(g,h,i)perylene
 Concen: 2.245 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

Tgt Ion: 276 Resp: 22634
 Ion Ratio Lower Upper
 276 100
 277 24.7 17.9 26.9
 138 22.2 21.8 32.8



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

