

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102605.D
 Acq On : 29 Jan 2018 19:01
 Operator : SJ/JU
 Sample : J1344-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

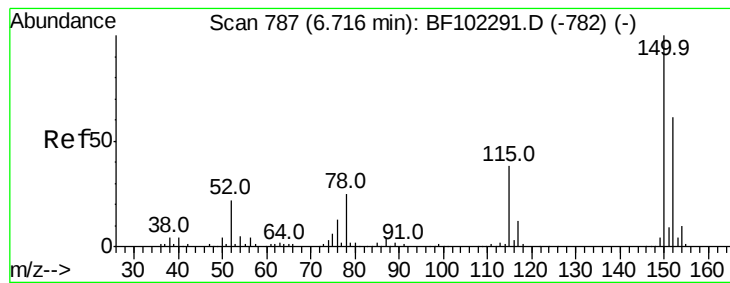
Quant Time: Jan 30 00:11:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	184356	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	771581	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	338087	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	555883	20.00	ng	0.00
75) Chrysene-d12	13.89	240	304671	20.00	ng	0.01
86) Perylene-d12	15.34	264	265120	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1371866	112.83	ng	0.01
7) Phenol-d6	6.37	99	1676330	114.36	ng	0.00
23) Nitrobenzene-d5	7.29	82	1023484	76.23	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	299984	89.55	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1377792	59.92	ng	0.00
78) Terphenyl-d14	12.83	244	1094373	80.98	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	29440	2.891	ng	85
10) Phenol	6.37	94	35692	2.230	ng	# 54
19) n-Nitroso-di-n-propylamine	7.29	70	138208	15.407	ng	# 79
25) Isophorone	7.29	82	1019796	42.605	ng	# 64
49) Dimethylphthalate	9.47	163	174147	6.232	ng	99
66) 4-Bromophenyl-phenylether	10.55	248	20174	3.371	ng	# 1
70) Phenanthrene	11.26	178	91118	2.813	ng	98
71) Anthracene	11.26	178	91118	2.756	ng	98
74) Fluoranthene	12.45	202	98576	2.984	ng	96
77) Pyrene	12.45	202	98576	4.185	ng	95
87) Benzo(b)fluoranthene	14.92	252	36899	2.147	ng	# 1
88) Benzo(k)fluoranthene	14.92	252	36899	2.273	ng	# 1

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

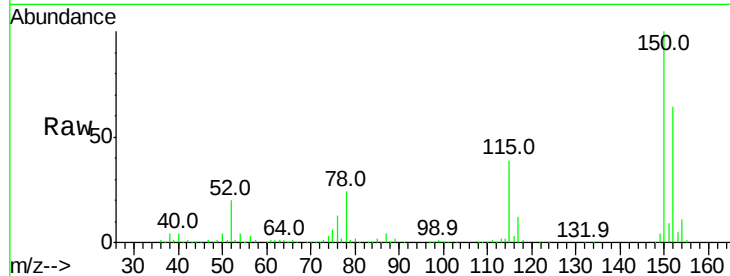


#1

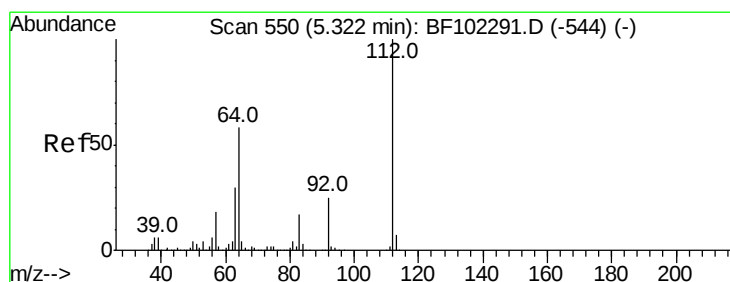
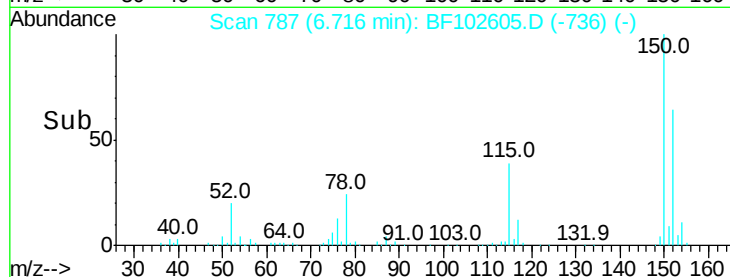
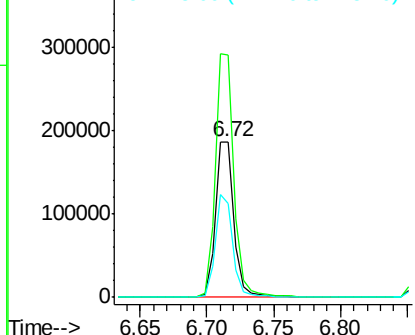
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184356
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.9 50.1 75.1



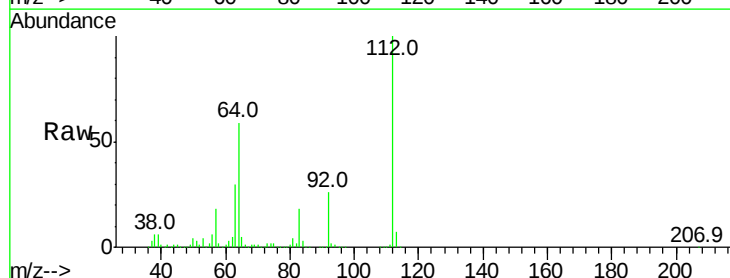
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



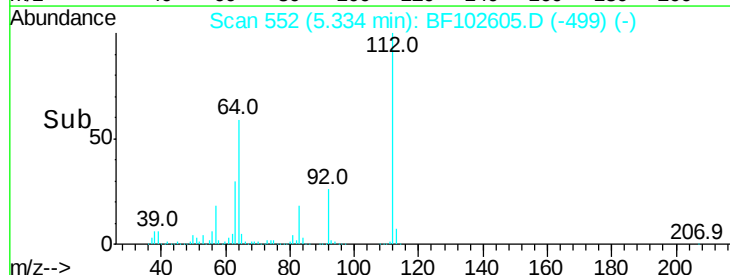
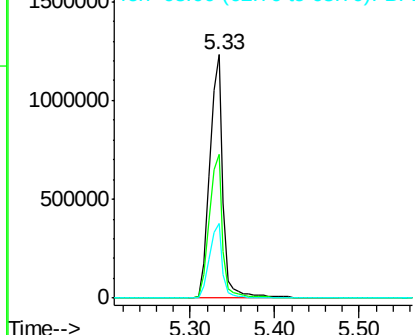
#5

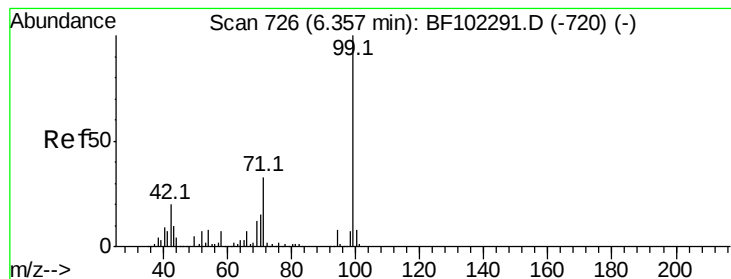
2-Fluorophenol
Concen: 112.831 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Tgt Ion:112 Resp: 1371866
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 30.5 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: 114.361 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampled :

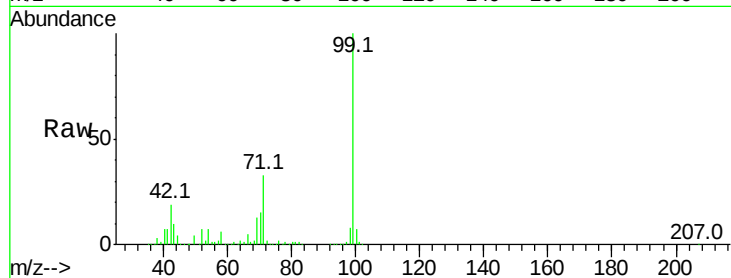
Tot Ion: 99 Resp: 1676330

Ion Ratio Lower Upper

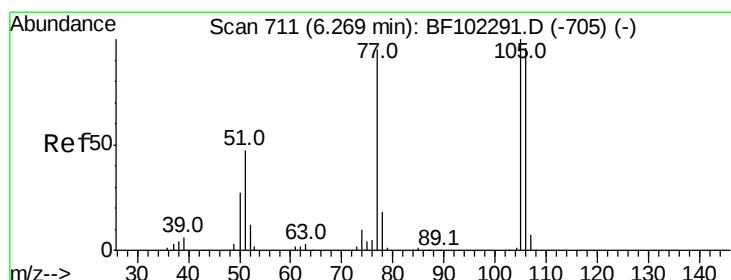
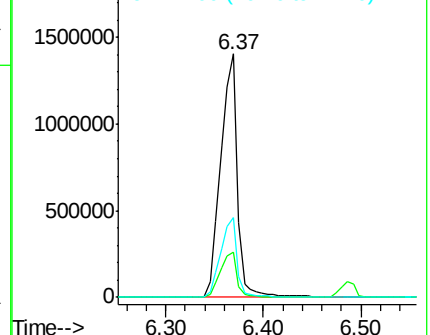
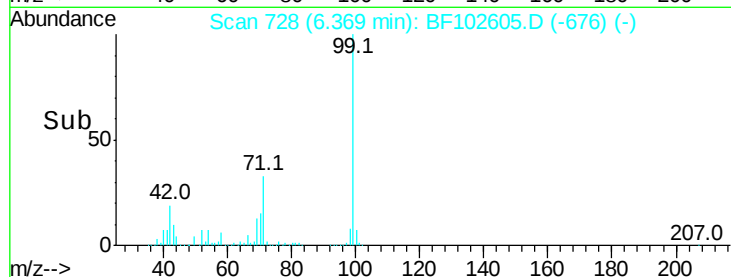
99 100

42 18.6 14.5 21.7

71 33.0 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



#9

Benzaldehyde

Concen: 2.891 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

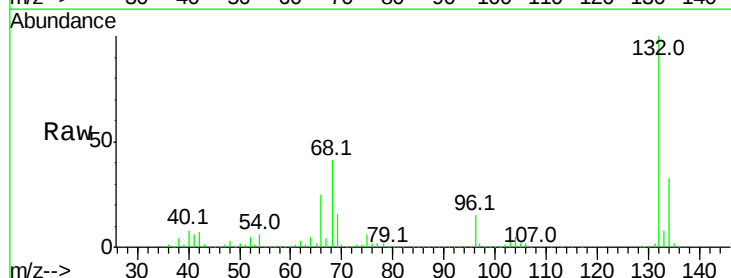
Tgt Ion: 77 Resp: 29440

Ion Ratio Lower Upper

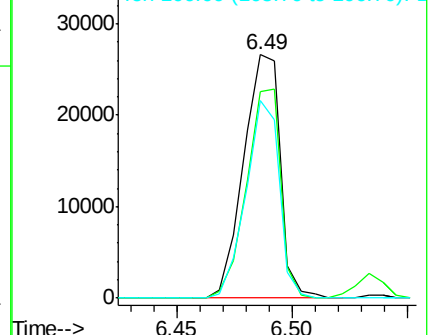
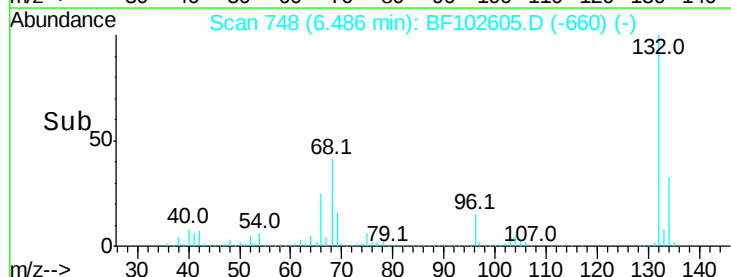
77 100

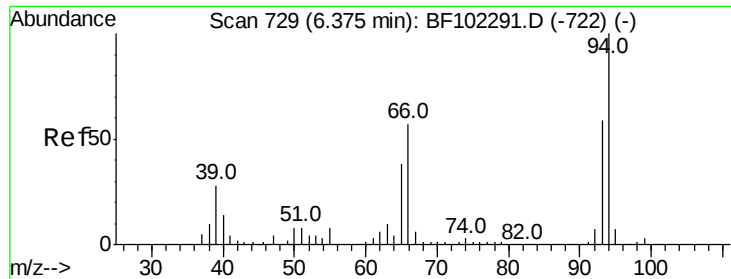
105 85.1 81.1 121.1

106 81.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.230 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampleId :

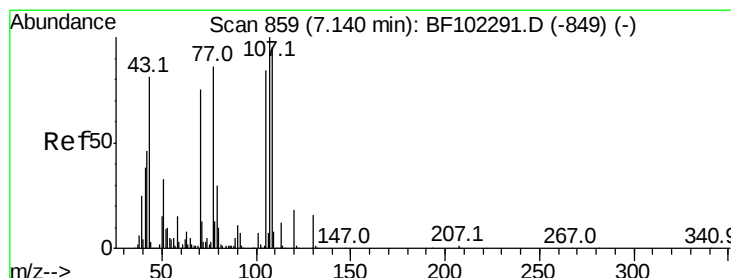
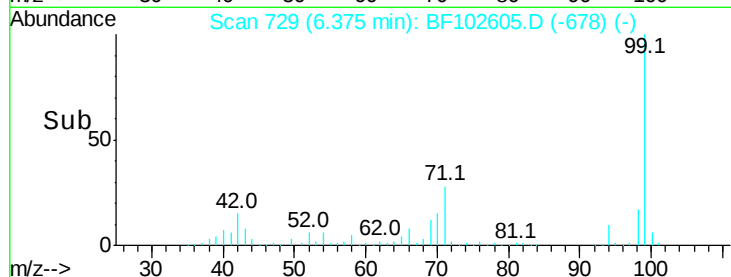
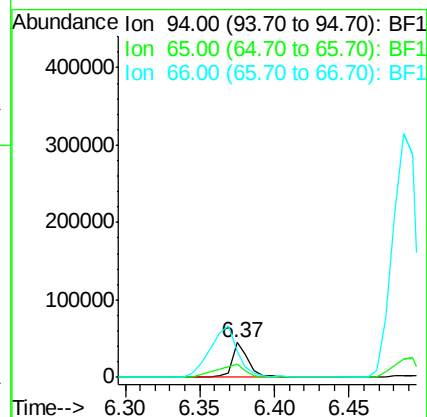
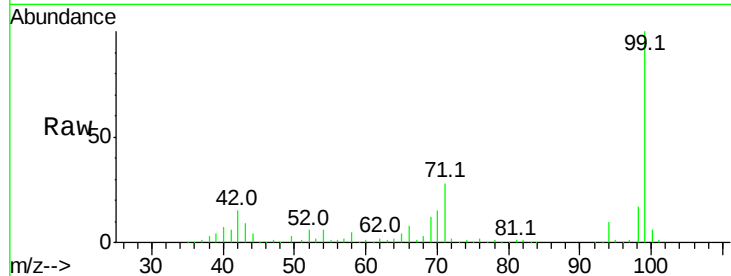
Tot Ion: 94 Resp: 35692

Ion Ratio Lower Upper

94 100

65 39.0 7.9 47.9

66 74.4 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 15.407 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Tgt Ion: 70 Resp: 138208

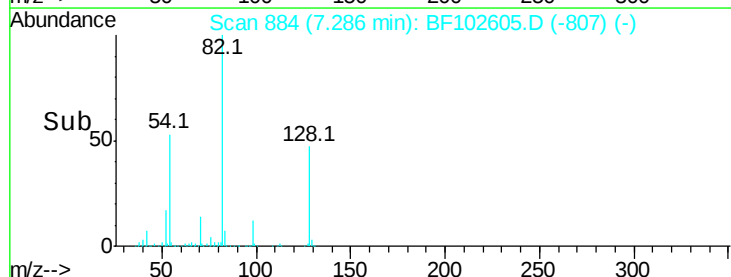
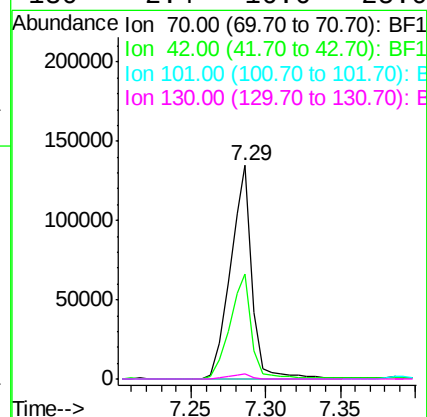
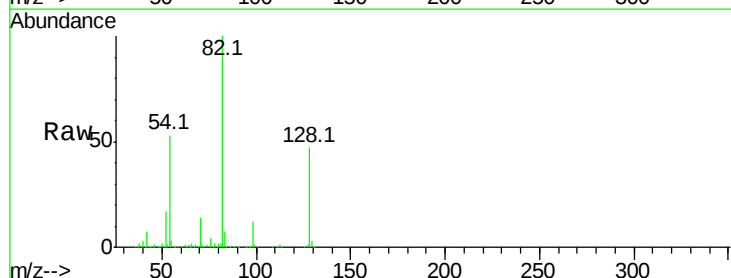
Ion Ratio Lower Upper

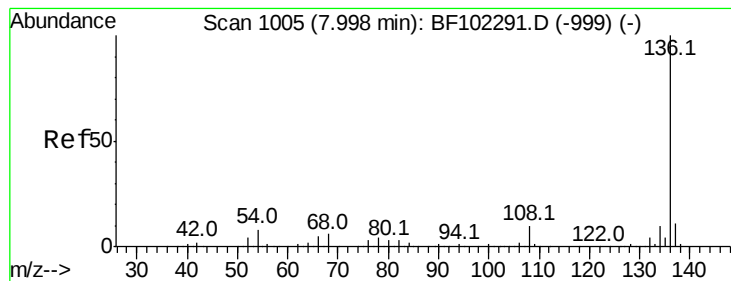
70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 771581

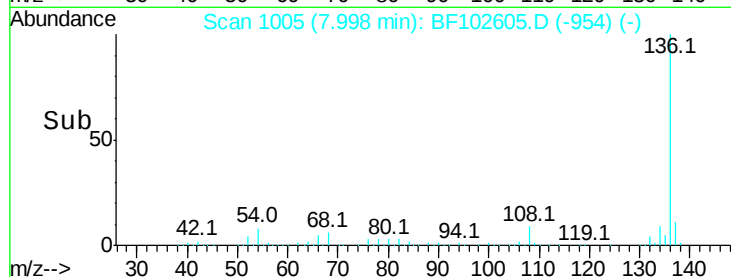
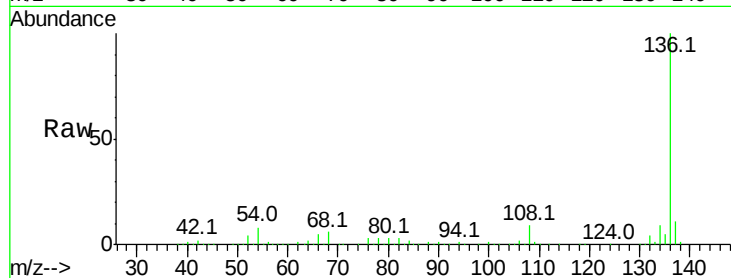
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.7 6.6 9.8

68 5.5 5.0 7.4

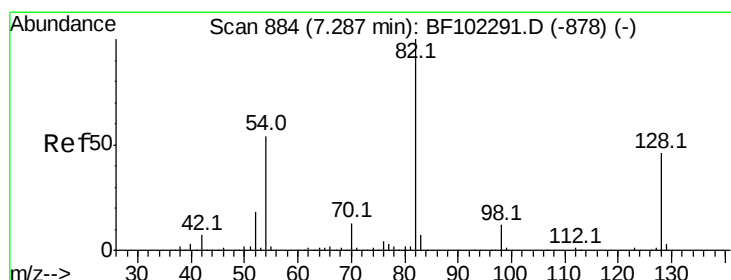
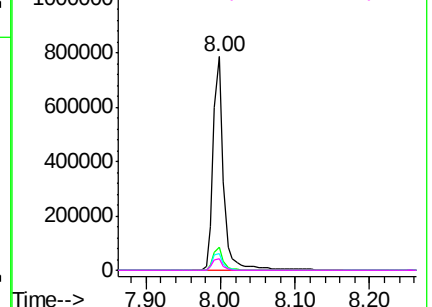


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.228 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

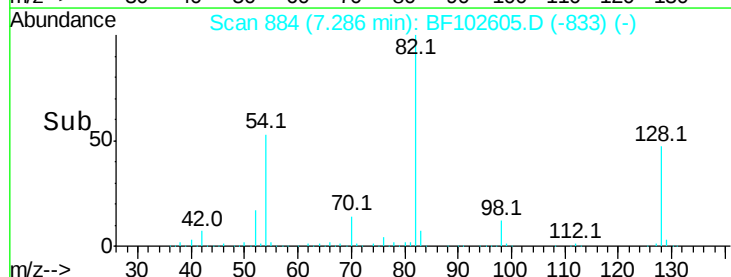
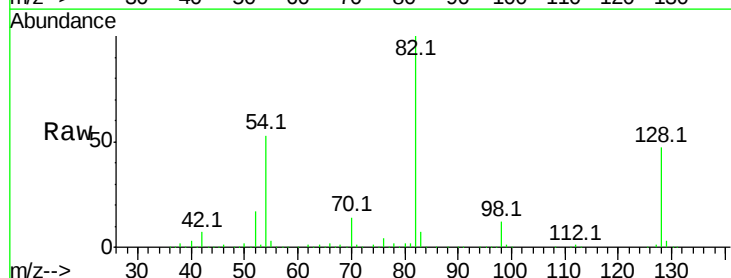
Tgt Ion: 82 Resp: 1023484

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

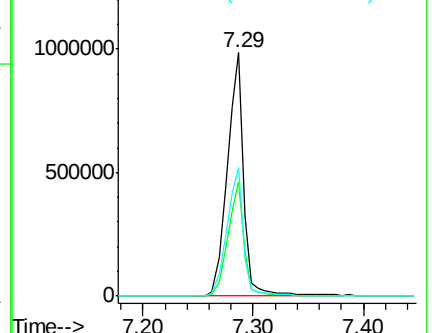
54 52.5 41.4 62.2

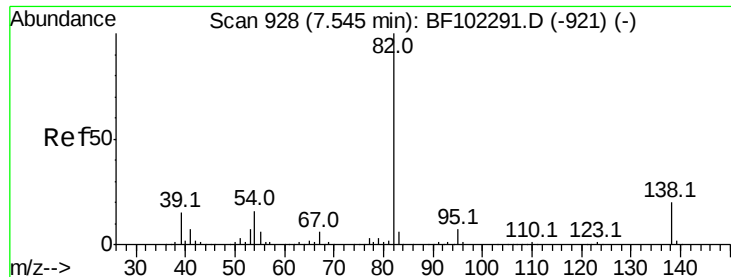


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.605 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampleId :

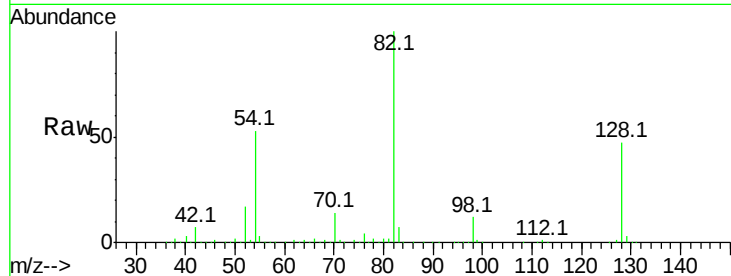
Tot Ion: 82 Resp: 1019796

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

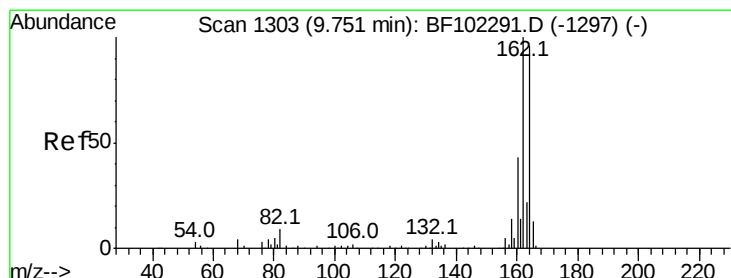
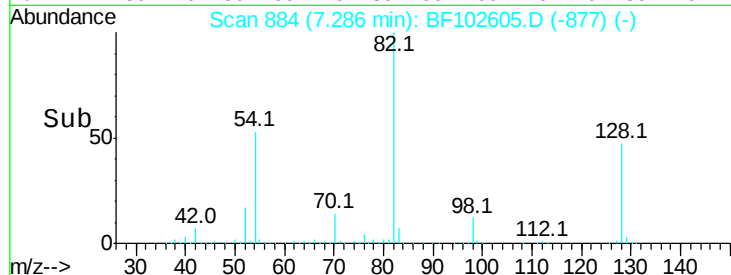
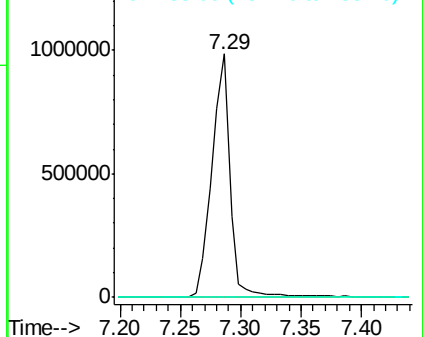
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

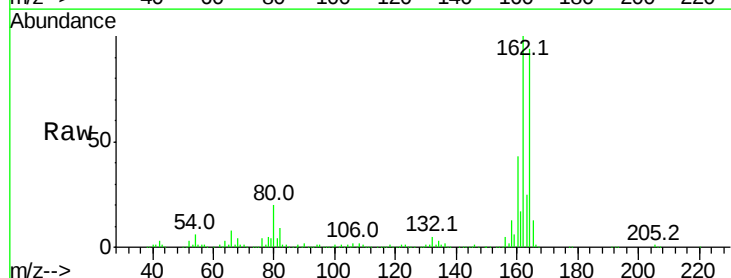
Tgt Ion:164 Resp: 338087

Ion Ratio Lower Upper

164 100

162 106.6 86.1 129.1

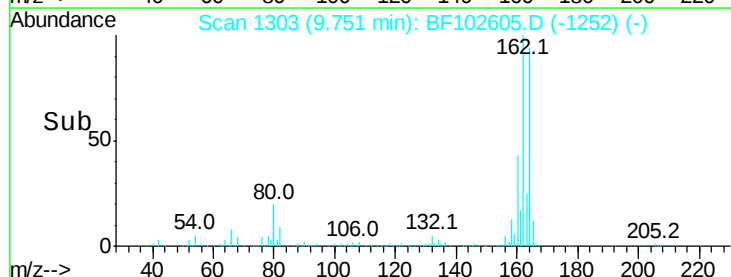
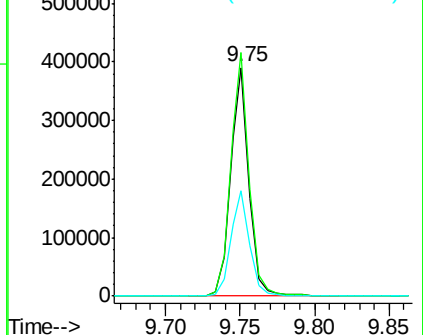
160 46.2 38.3 57.5

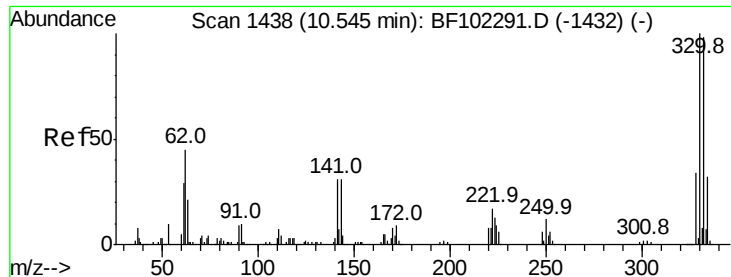


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

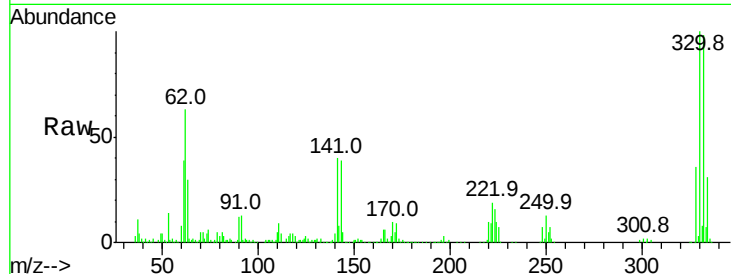




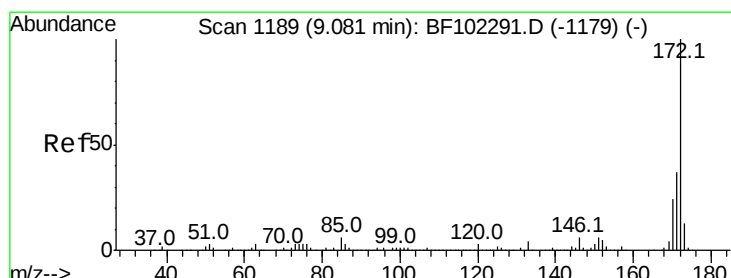
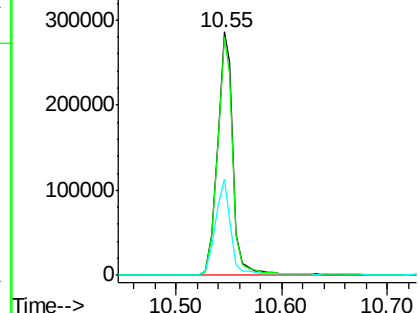
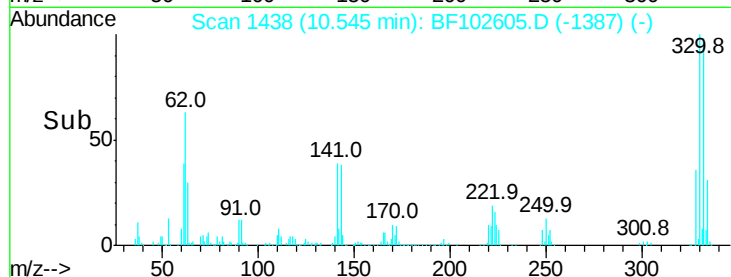
#41
 2,4,6-Tribromophenol
 Concen: 89.549 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	38.3	29.9	44.9

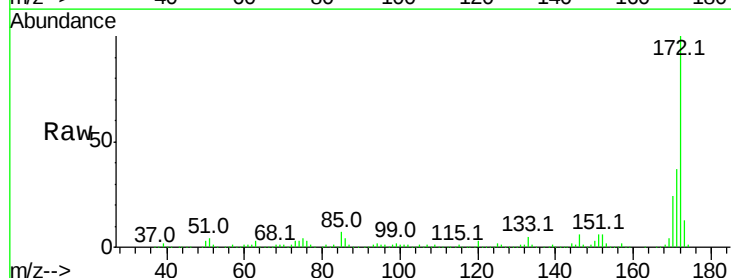


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

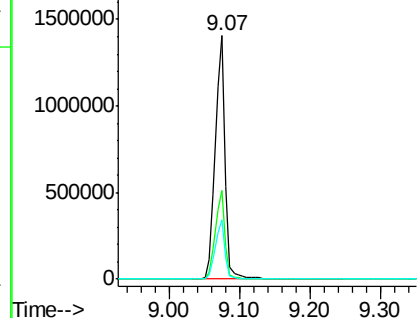
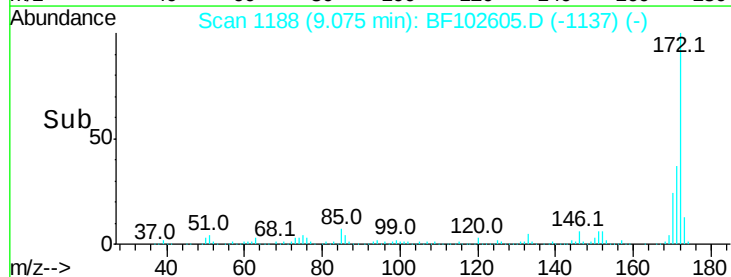


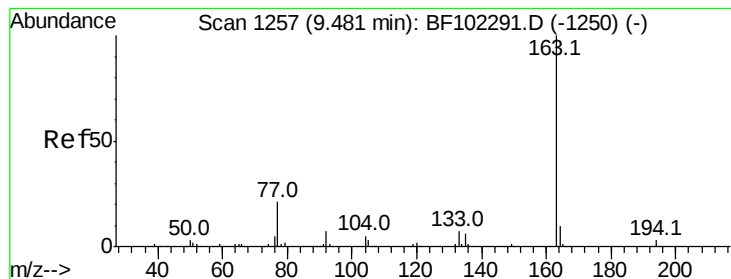
#44
 2-Fluorobiphenyl
 Concen: 59.921 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	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: 6.232 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampleId :

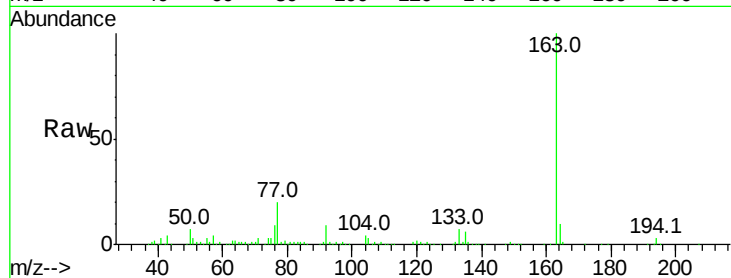
Tot Ion:163 Resp: 174147

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

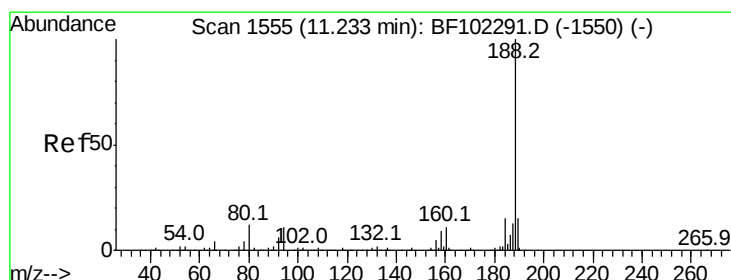
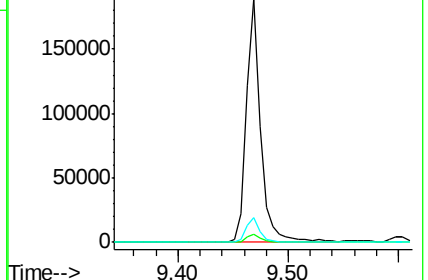
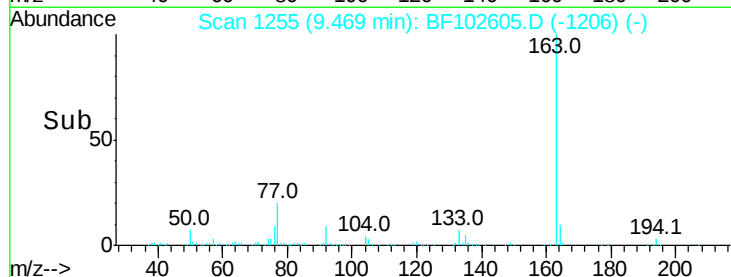
164 9.9 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

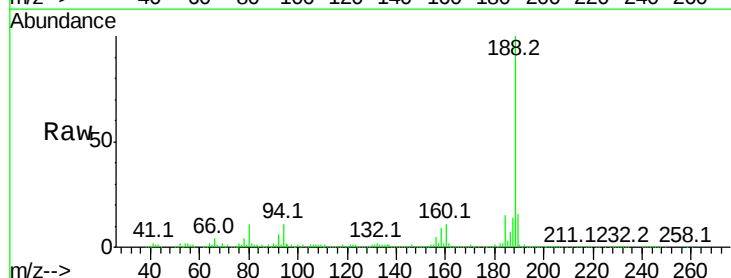
Tgt Ion:188 Resp: 555883

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

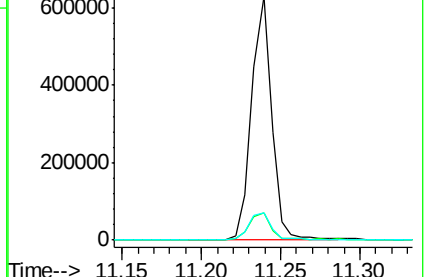
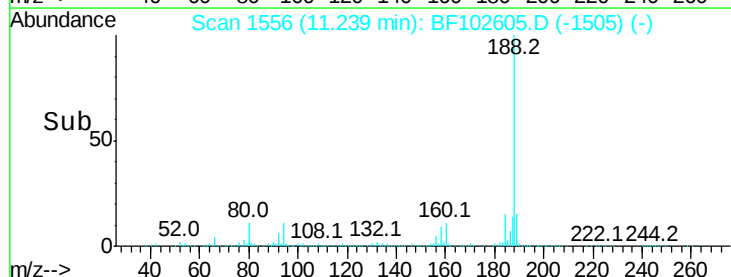
80 11.2 9.2 13.8

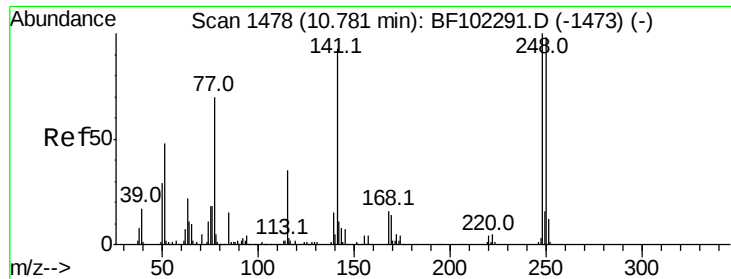


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

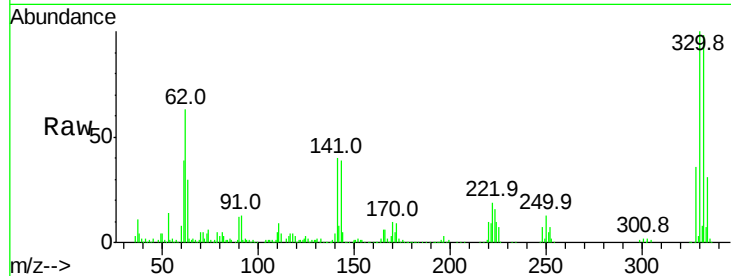




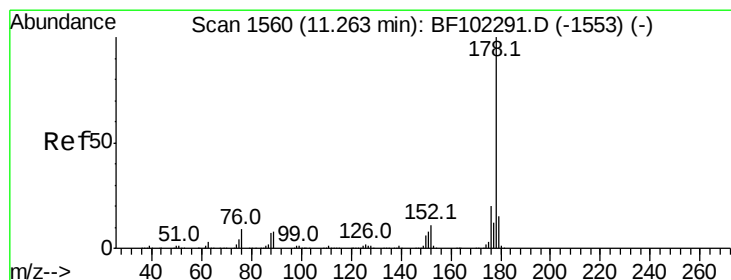
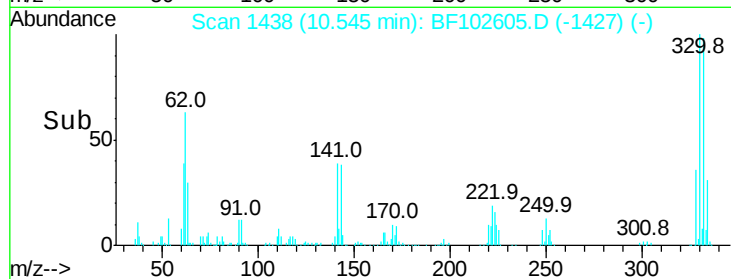
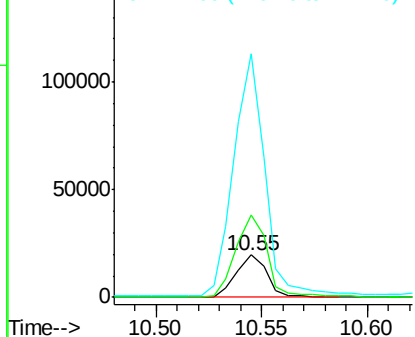
#66
4-Bromophenyl-phenylether
Concen: 3.371 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20174
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 575.2 74.4 111.6#

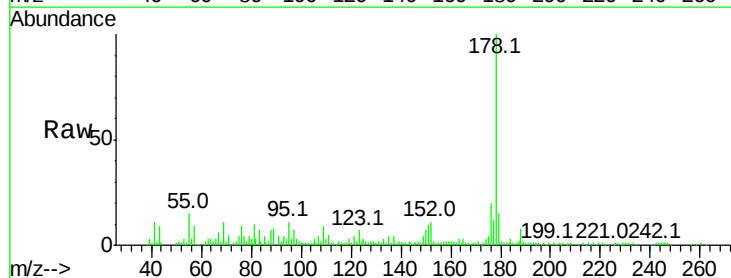


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

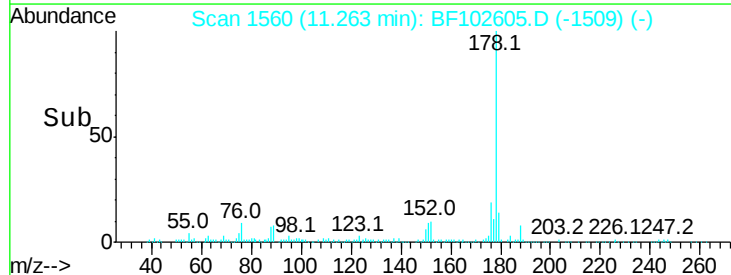
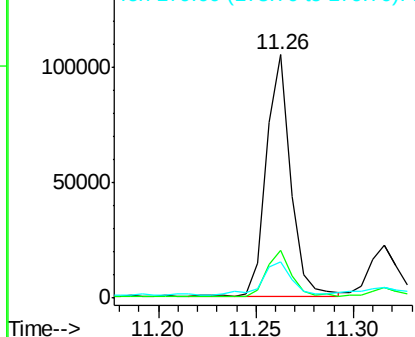


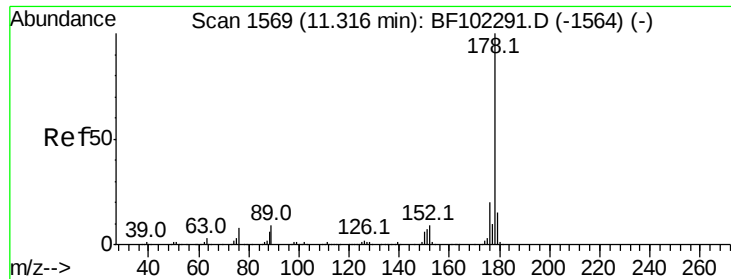
#70
Phenanthrene
Concen: 2.813 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Tgt Ion:178 Resp: 91118
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 14.8 13.0 19.6



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

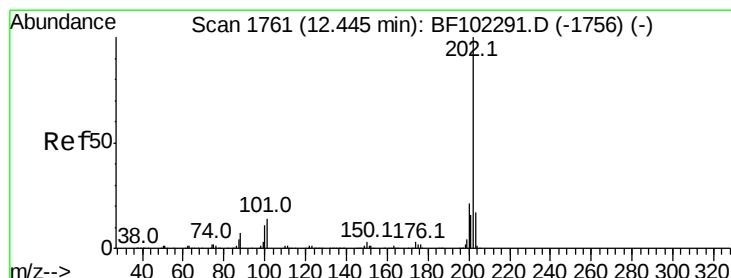
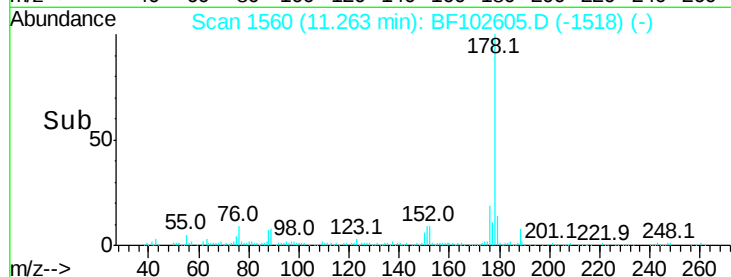
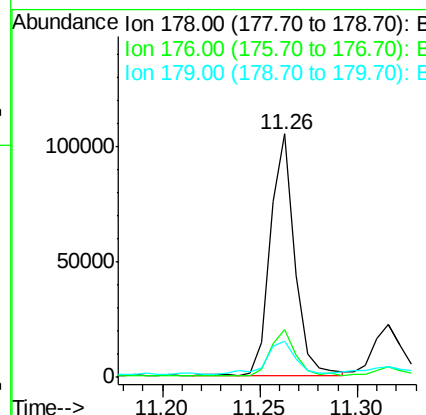
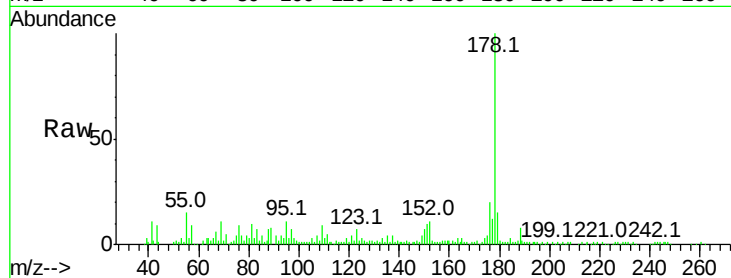




#71
 Anthracene
 Concen: 2.756 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.05 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

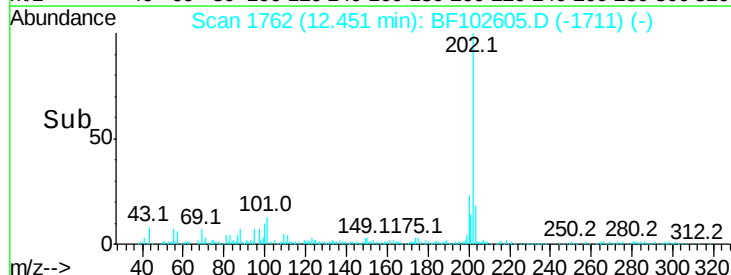
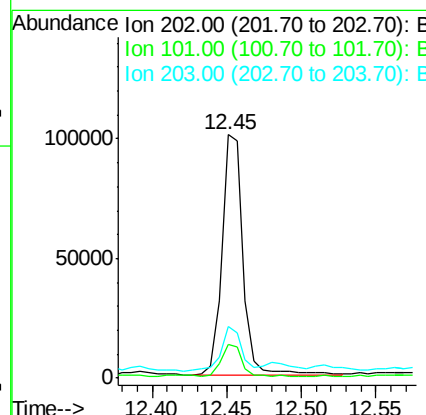
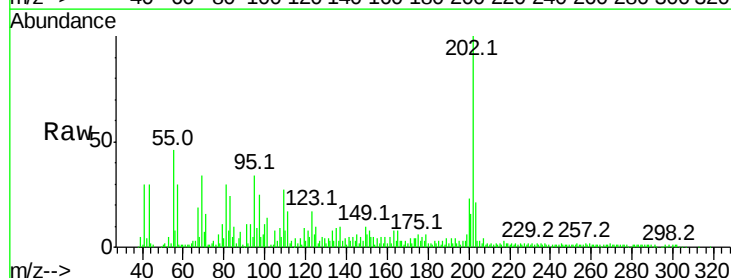
Instrument :
 BNA_F
 ClientSampled :

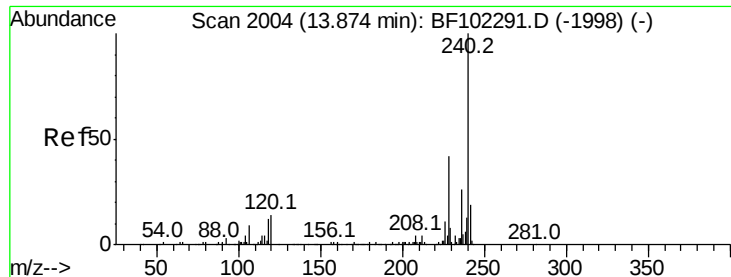
Tot Ion:178 Resp: 91118
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 14.8 12.6 19.0



#74
 Fluoranthene
 Concen: 2.984 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

Tgt Ion:202 Resp: 98576
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.1
 203 21.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

Instrument :

BNA_F

ClientSampleId :

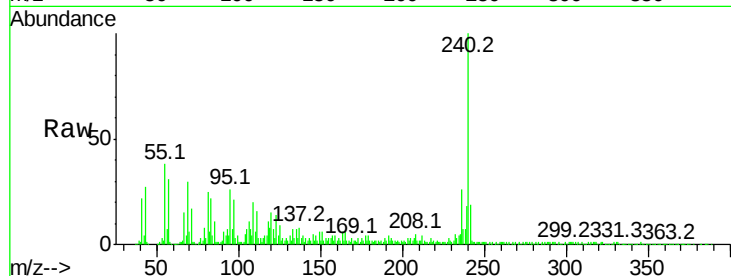
Tot Ion:240 Resp: 304671

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

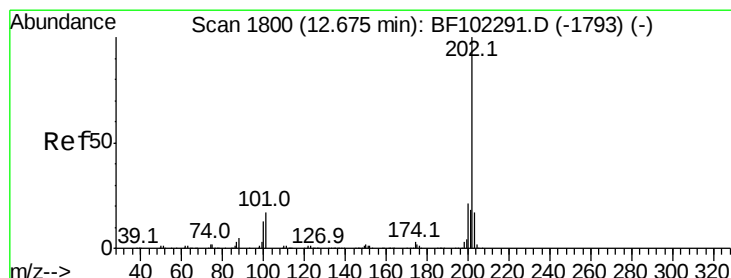
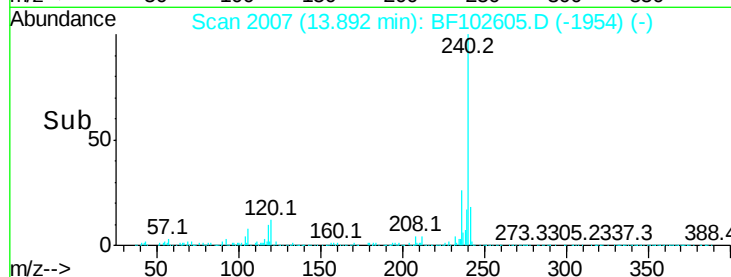
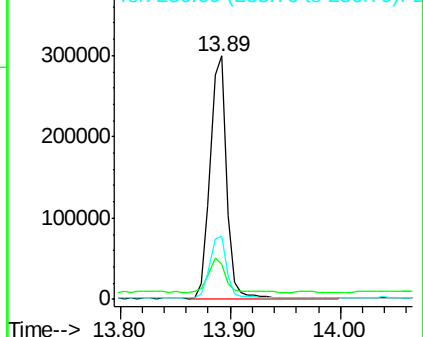
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 4.185 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.23 min

Lab File: BF102605.D

Acq: 29 Jan 2018 19:01

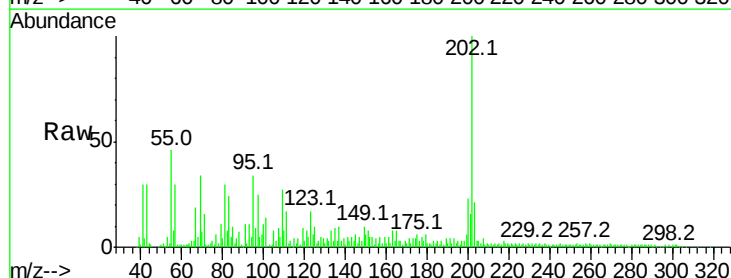
Tgt Ion:202 Resp: 98576

Ion Ratio Lower Upper

202 100

200 23.0 17.4 26.2

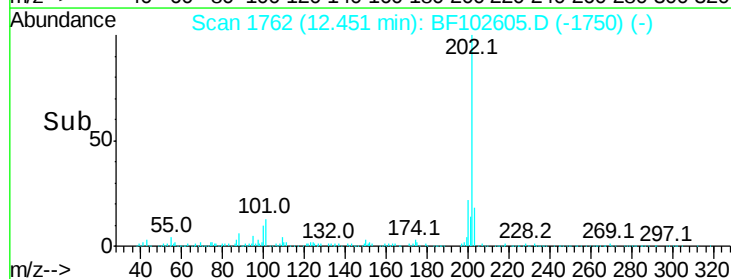
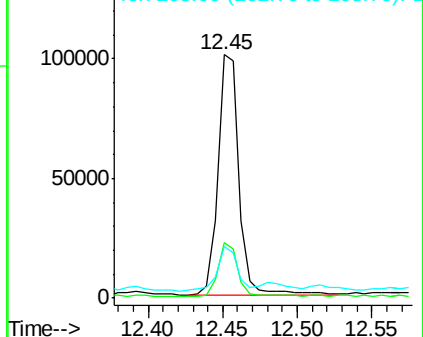
203 21.3 14.3 21.5

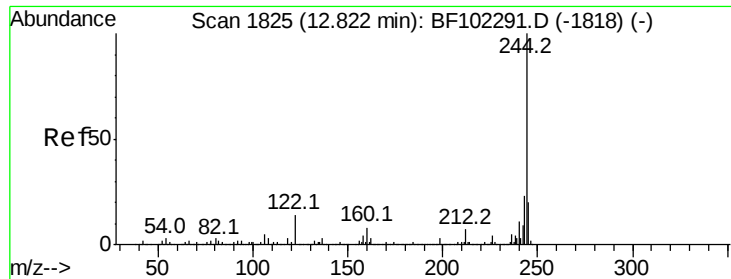


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



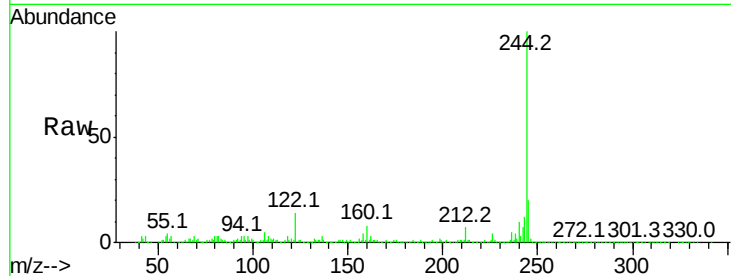


#78
 Terphenyl-d14
 Concen: 80.976 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

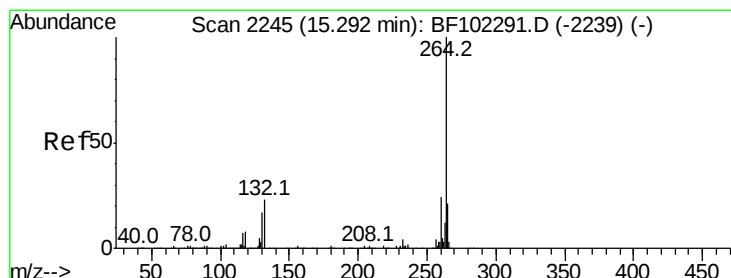
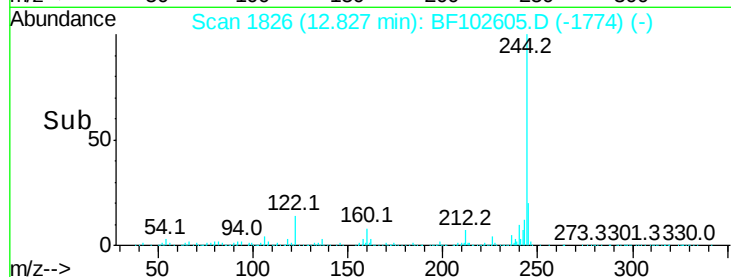
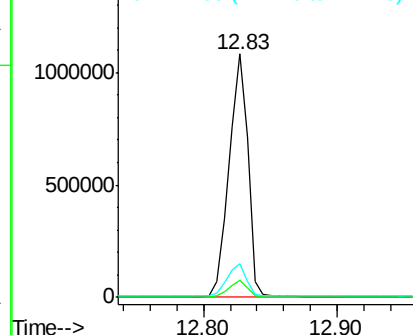
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1094373

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.0	11.0	16.4



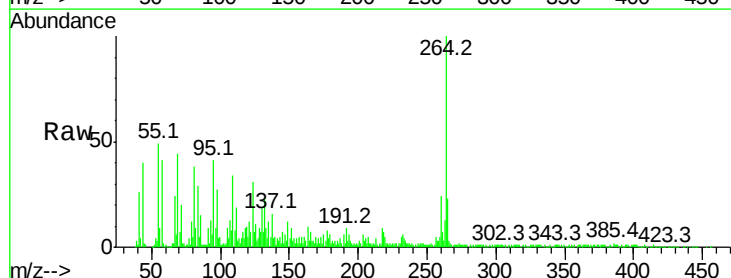
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



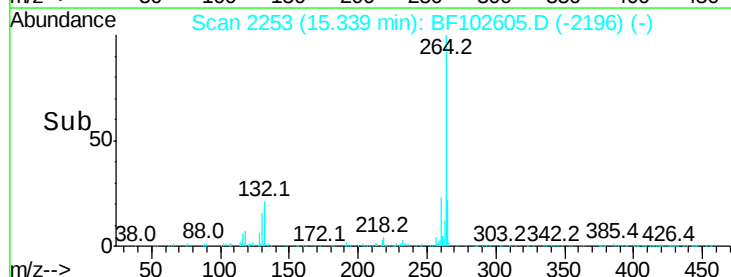
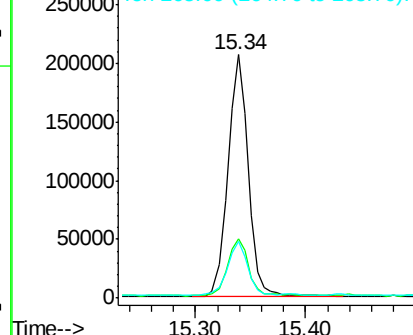
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.04 min
 Lab File: BF102605.D
 Acq: 29 Jan 2018 19:01

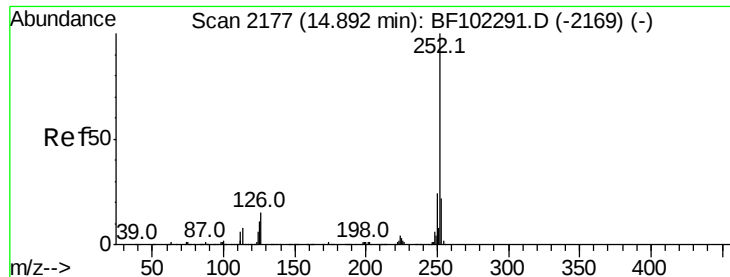
Tgt Ion:264 Resp: 265120

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.1	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

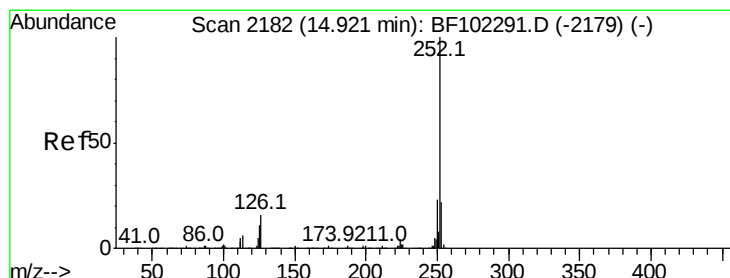
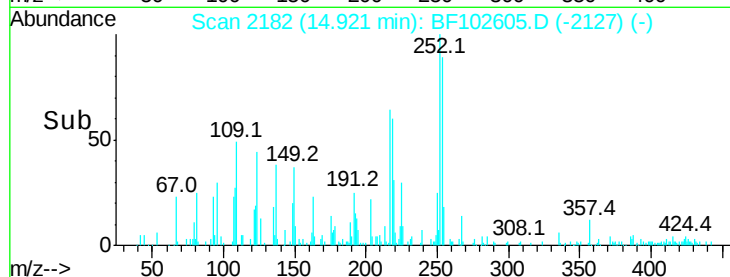
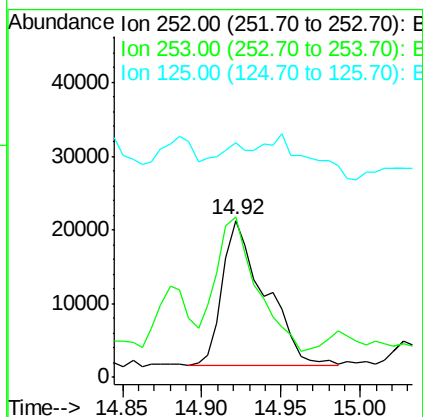
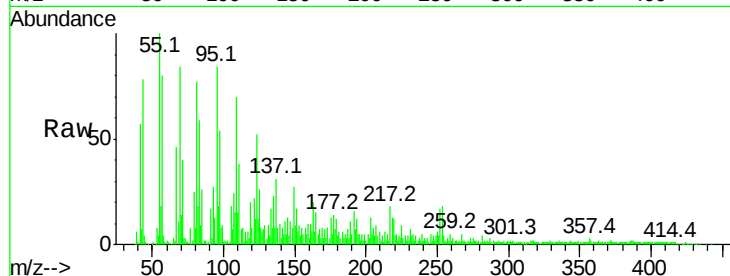




#87
Benzo(b)fluoranthene
Concen: 2.147 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36899
Ion Ratio Lower Upper
252 100
253 102.1 17.0 25.6#
125 149.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.273 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF102605.D
Acq: 29 Jan 2018 19:01

Tgt Ion:252 Resp: 36899
Ion Ratio Lower Upper
252 100
253 102.1 17.9 26.9#
125 149.7 10.2 15.2#

