

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102091.D
 Acq On : 16 Jan 2018 6:05
 Operator : SJ/JU
 Sample : J1116-05
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 07:08:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165006	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	638536	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242616	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	334429	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	298570	20.00	ng	-0.01
86) Perylene-d12	15.29	264	230026	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1033404	88.44	ng	0.00
7) Phenol-d6	6.36	99	1192682	85.55	ng	0.00
23) Nitrobenzene-d5	7.29	82	741364	68.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	180459	85.23	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1151380	74.14	ng	-0.01
78) Terphenyl-d14	12.82	244	759605	52.82	ng	-0.01

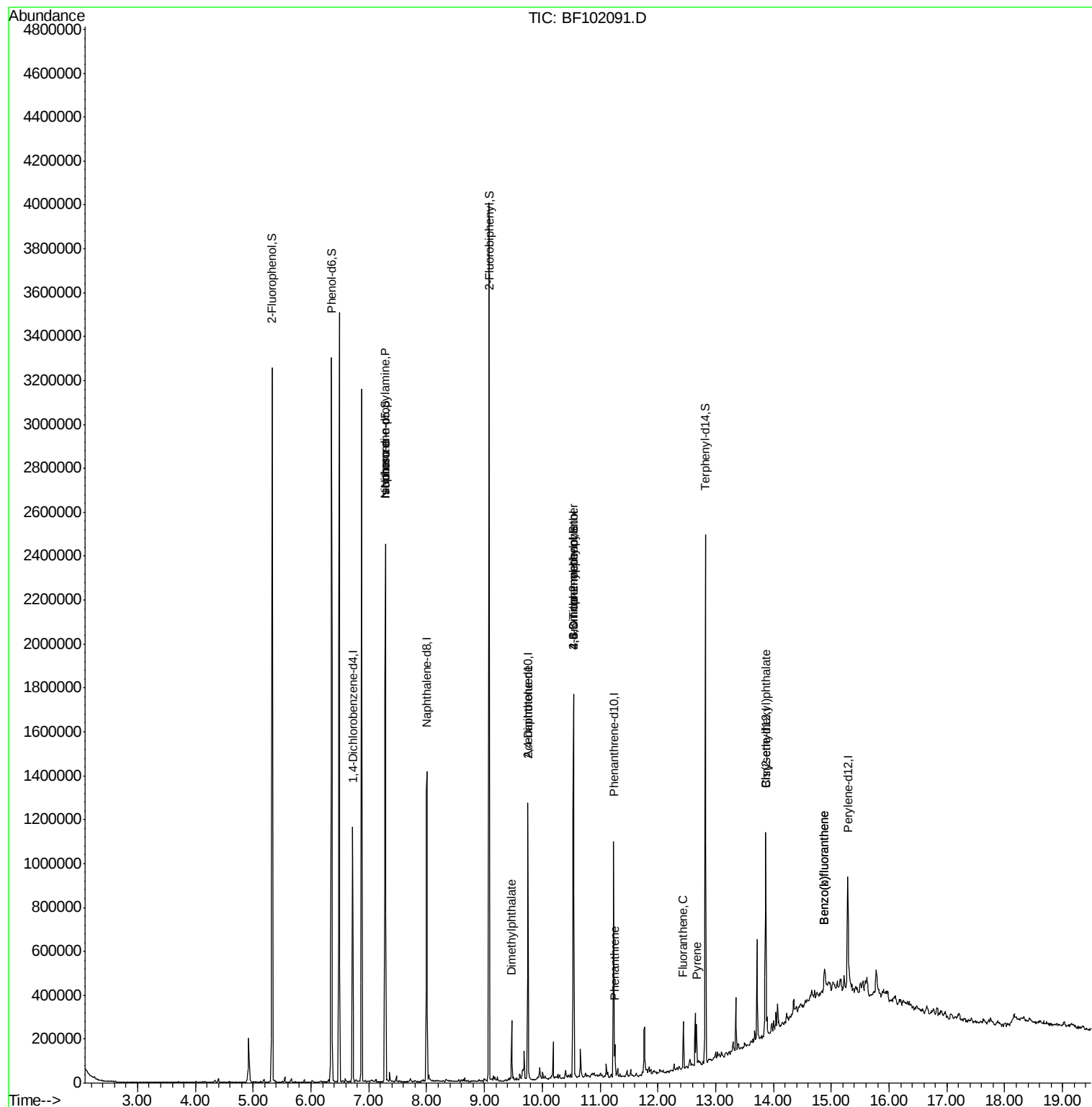
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	99293	10.868	ng	# 80
25) Isophorone	7.29	82	741107	34.518	ng	# 64
49) Dimethylphthalate	9.47	163	106466	5.470	ng	97
56) 2,4-Dinitrotoluene	9.75	165	29401	6.034	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.53	198	392	5.853	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	12161	3.443	ng	# 1
70) Phenanthrene	11.26	178	45865	2.348	ng	96
74) Fluoranthene	12.44	202	73974	3.849	ng	98
77) Pyrene	12.67	202	67723	2.566	ng	98
83) Bis(2-ethylhexyl)phthalate	13.86	149	43328	3.118	ng	94
87) Benzo(b)fluoranthene	14.88	252	53580	3.572	ng	# 75
88) Benzo(k)fluoranthene	14.88	252	53580	3.703	ng	# 79

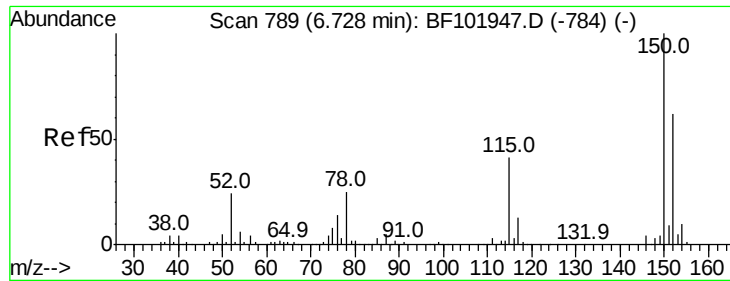
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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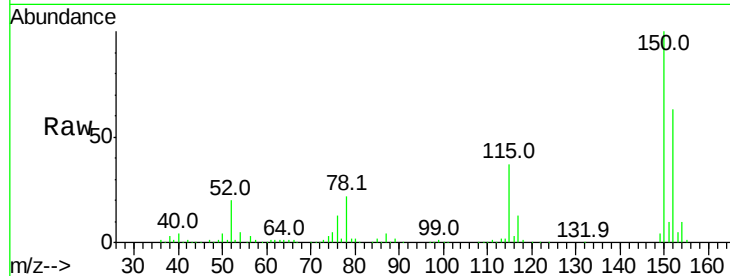


#1

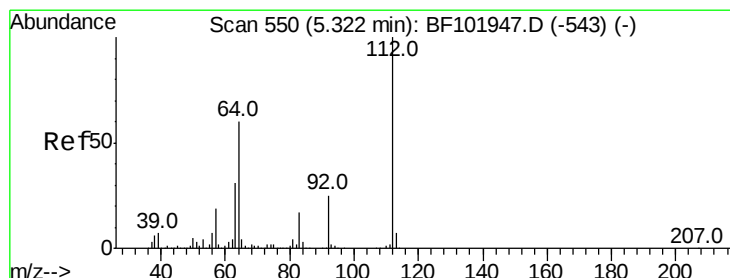
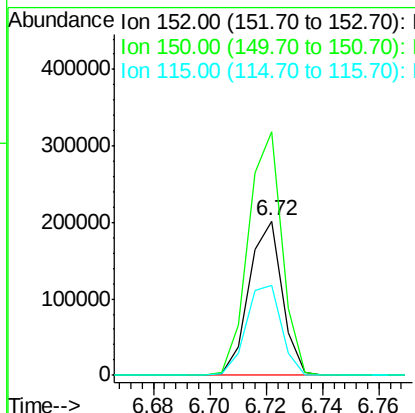
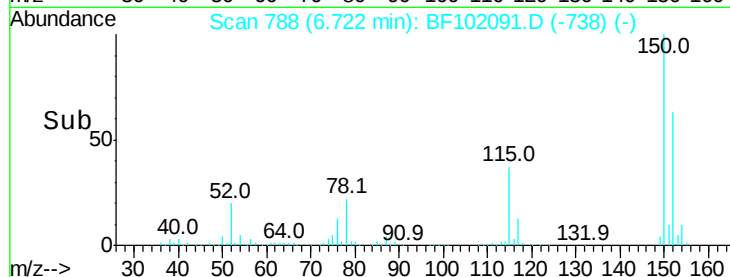
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 165006
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.6 186.8
 115 58.6 50.1 75.1



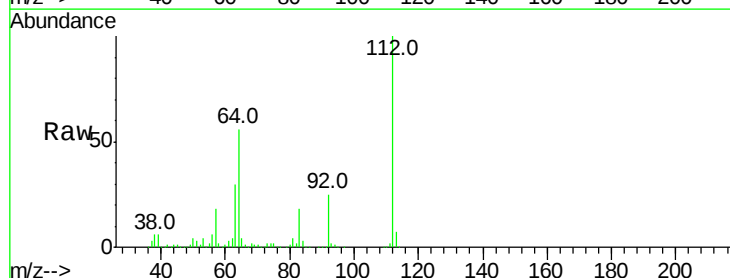
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



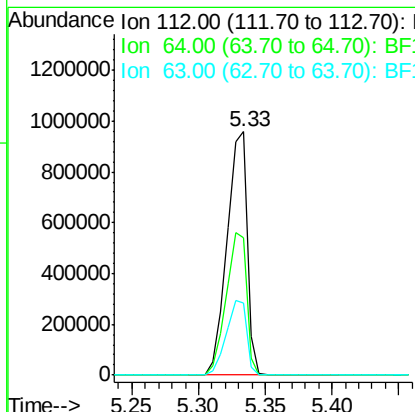
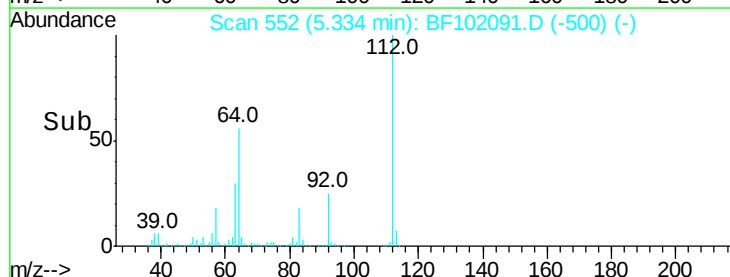
#5

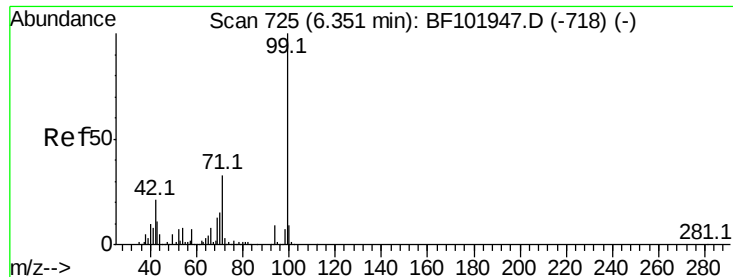
2-Fluorophenol
 Concen: 88.436 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

Tgt Ion:112 Resp: 1033404
 Ion Ratio Lower Upper
 112 100
 64 56.3 47.9 71.9
 63 29.5 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: 85.547 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampled :

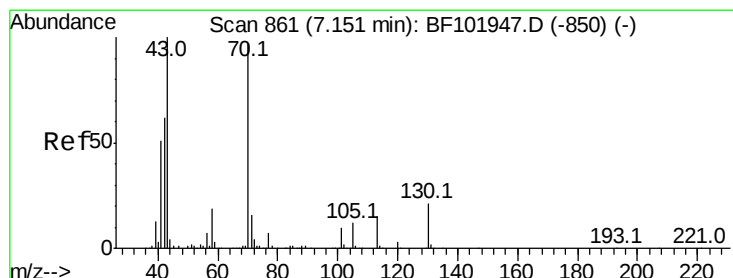
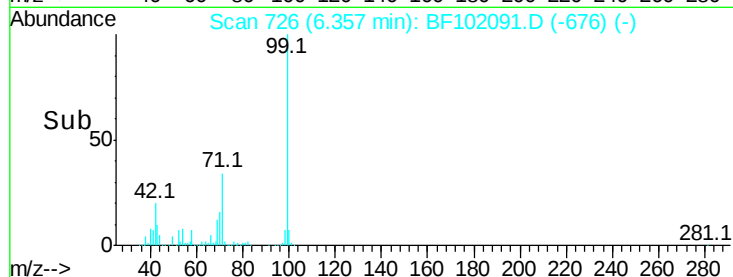
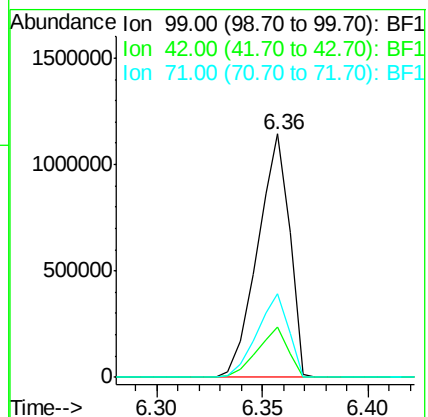
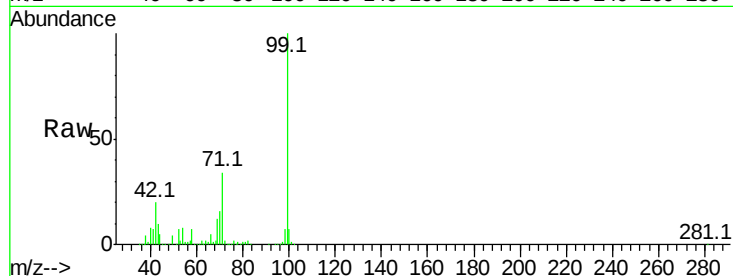
Tot Ion: 99 Resp: 1192682

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 34.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.868 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Tgt Ion: 70 Resp: 99293

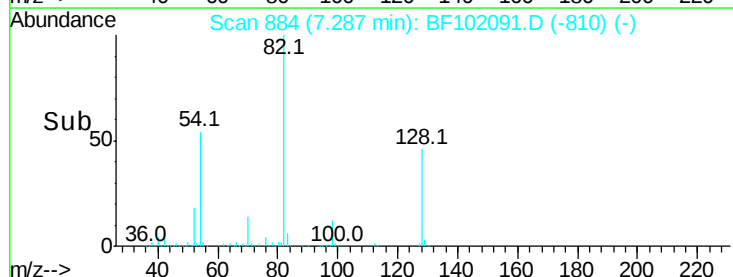
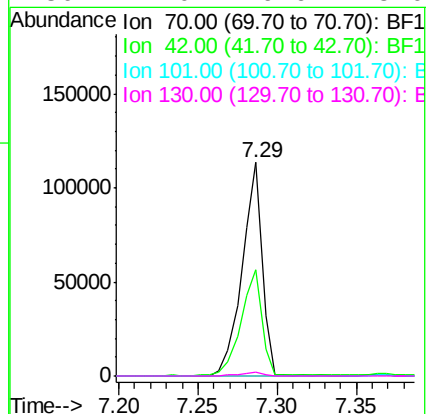
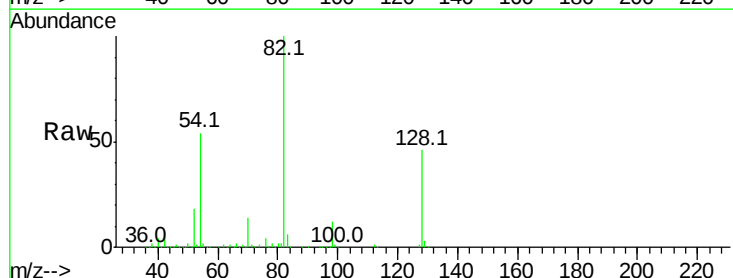
Ion Ratio Lower Upper

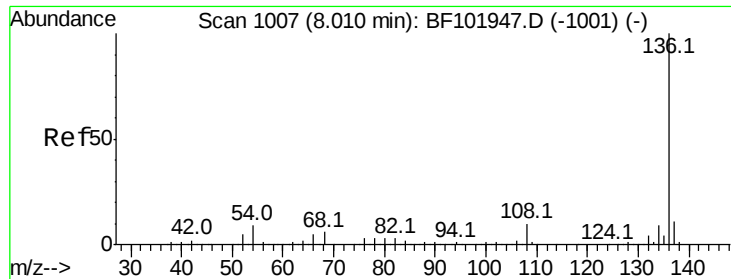
70 100

42 49.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

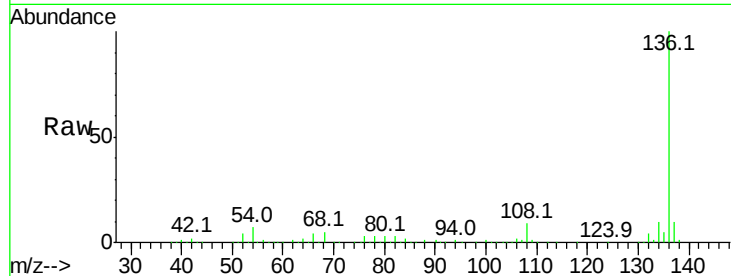




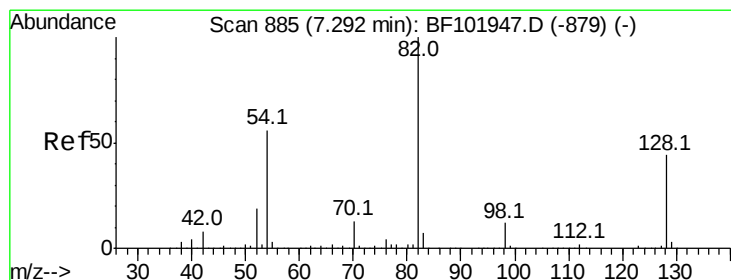
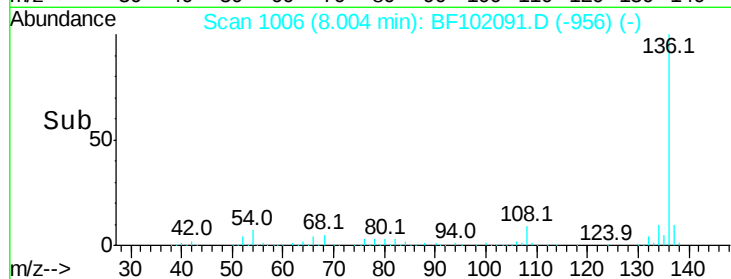
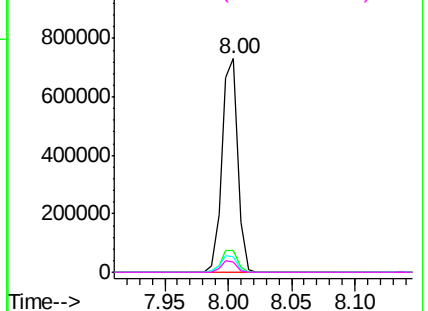
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	638536
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.0	6.6	9.8
68	4.6	5.0	7.4#

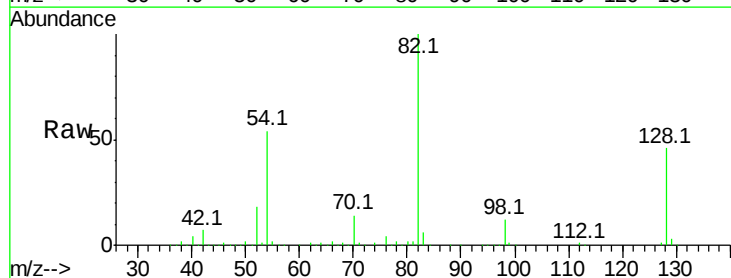


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

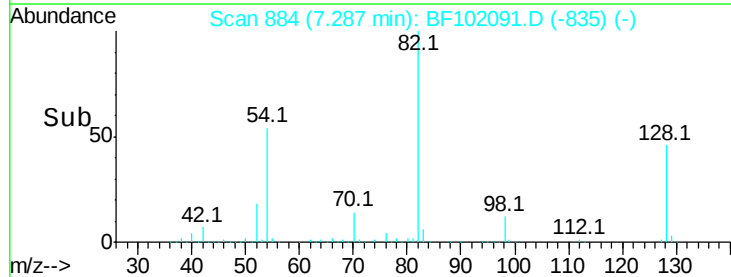
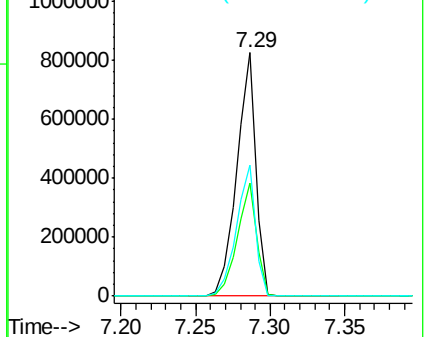


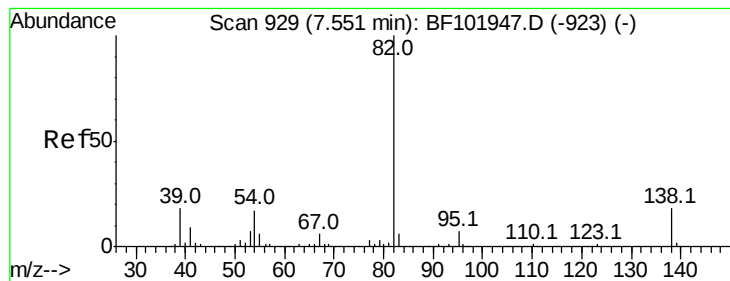
#23
Nitrobenzene-d5
Concen: 68.227 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Tgt Ion:	82	Resp:	741364
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	53.9	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: 34.518 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampleId :

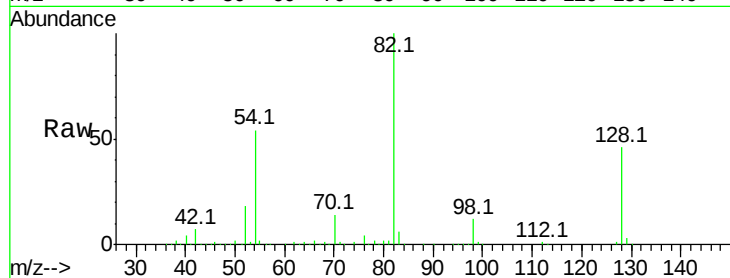
Tot Ion: 82 Resp: 741107

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

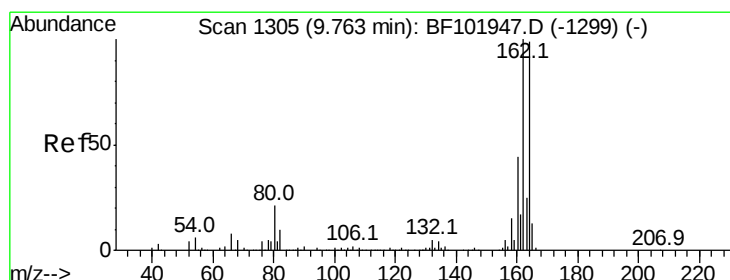
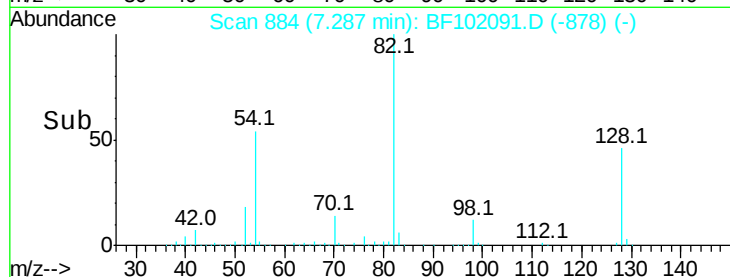
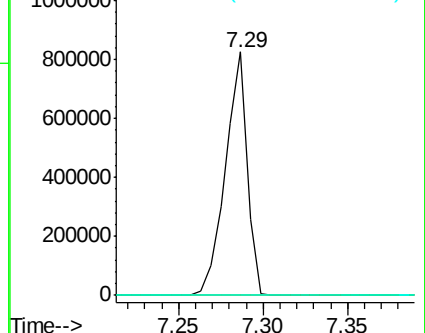
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

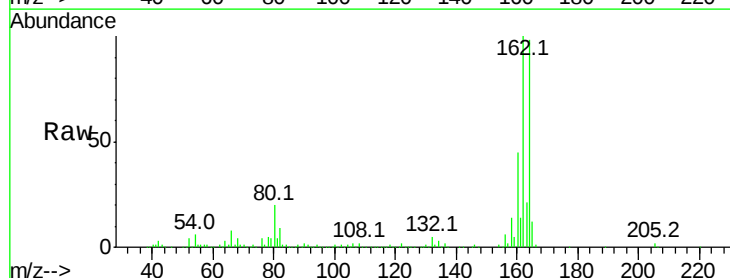
Tgt Ion:164 Resp: 242616

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

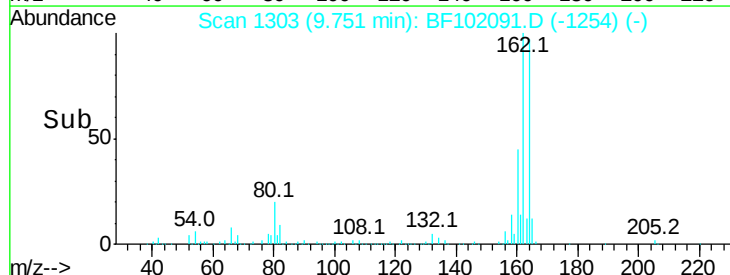
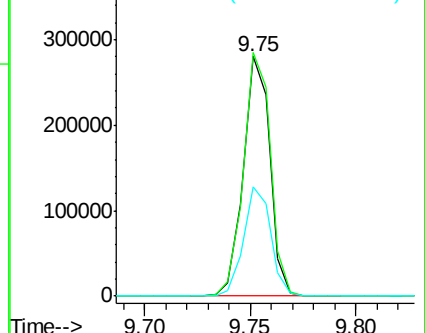
160 45.9 38.3 57.5

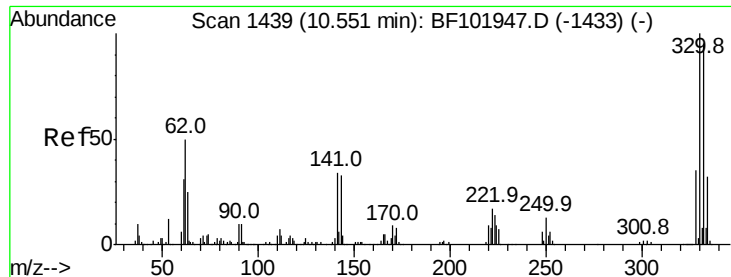


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

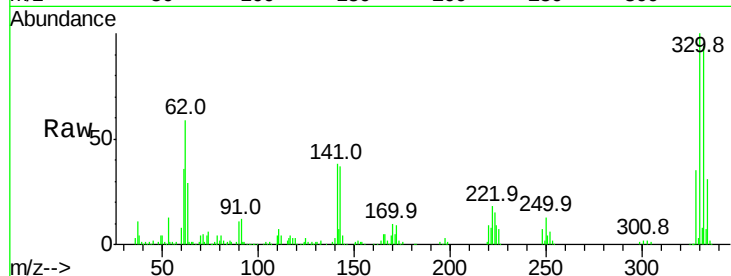




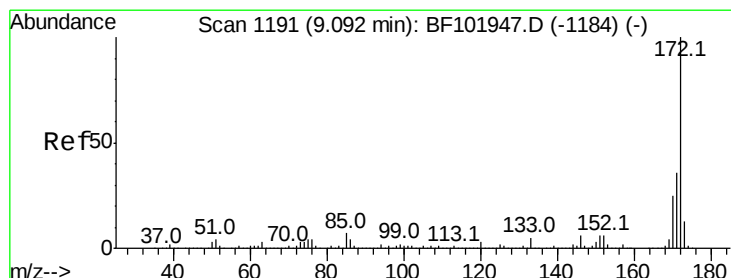
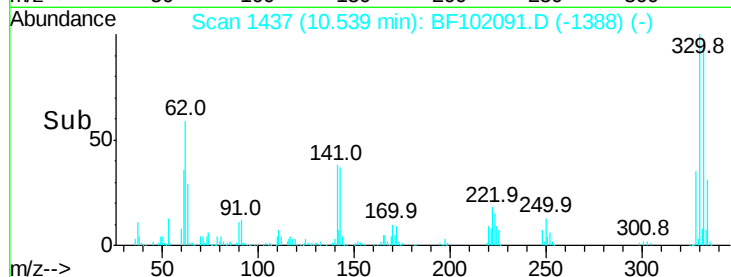
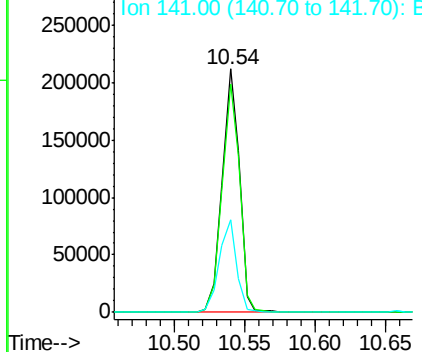
#41
 2,4,6-Tribromophenol
 Concen: 85.232 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	38.8	29.9	44.9

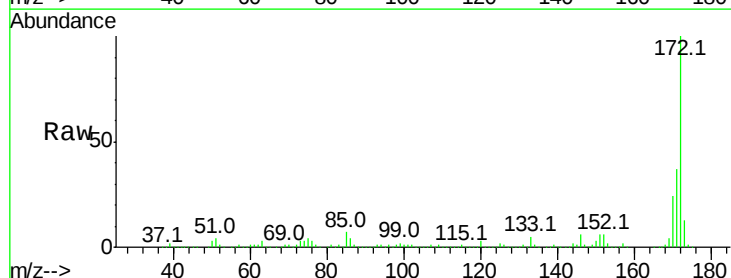


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

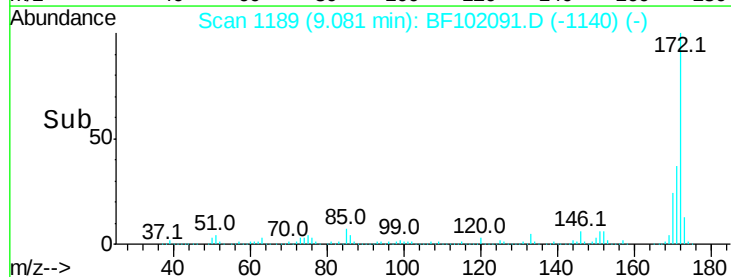
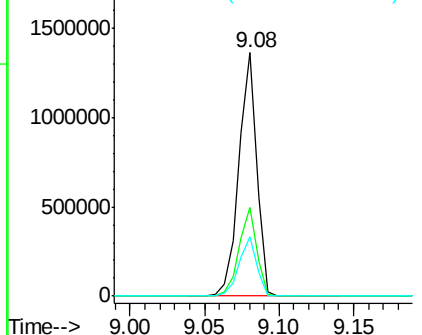


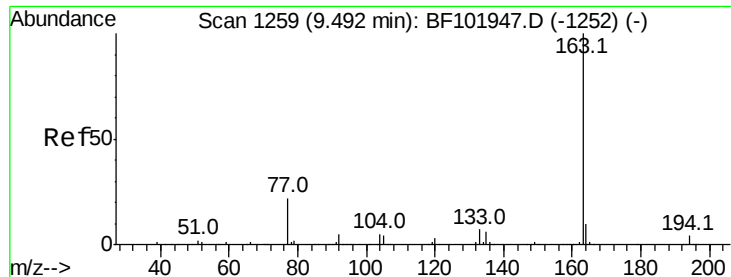
#44
 2-Fluorobiphenyl
 Concen: 74.141 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	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

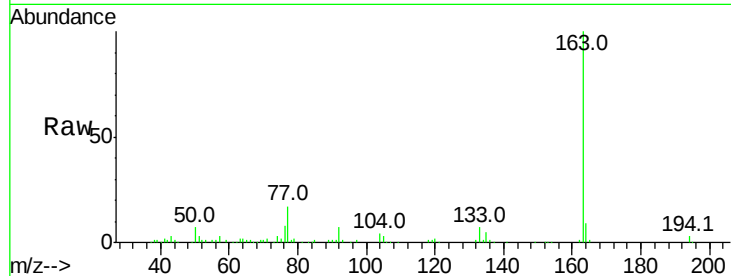




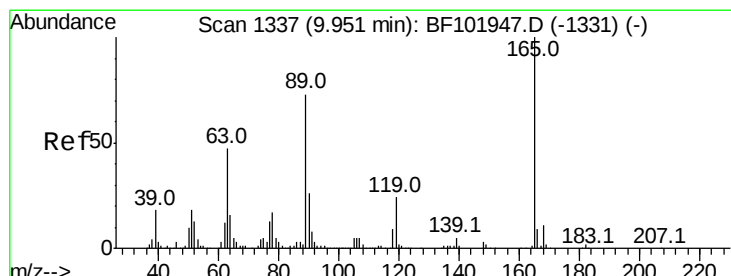
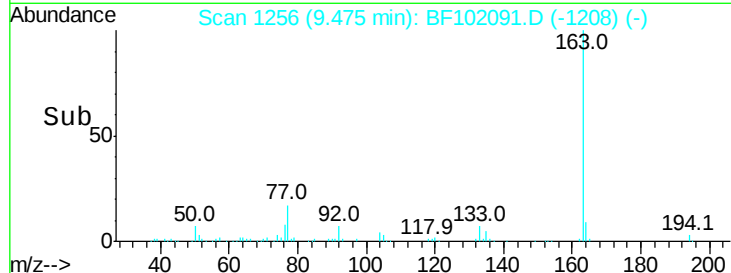
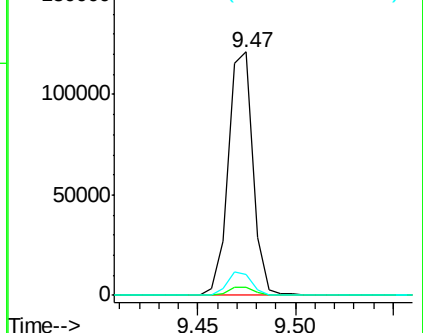
#49
Dimethylphthalate
Concen: 5.470 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	8.6	8.2	12.2

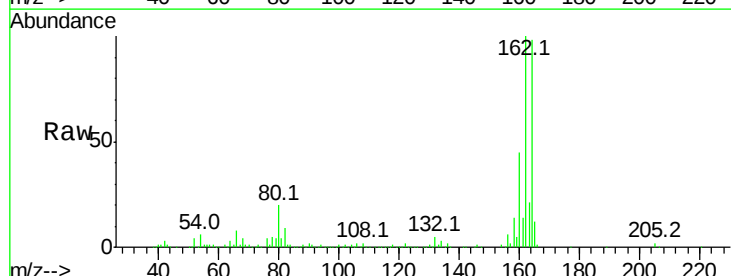


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

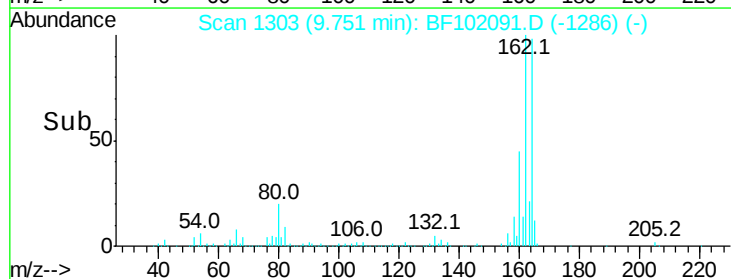
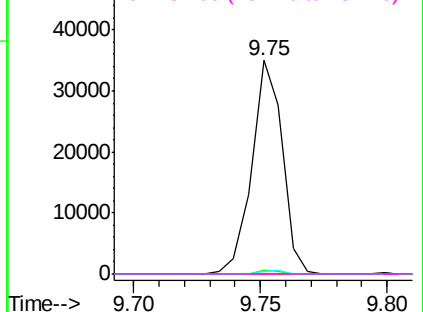


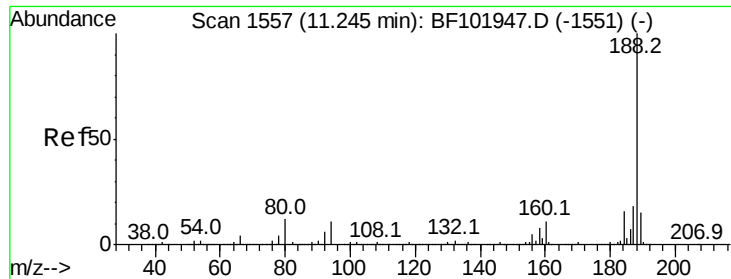
#56
2,4-Dinitrotoluene
Concen: 6.034 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

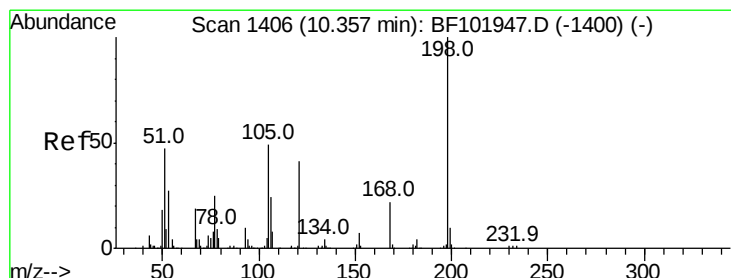
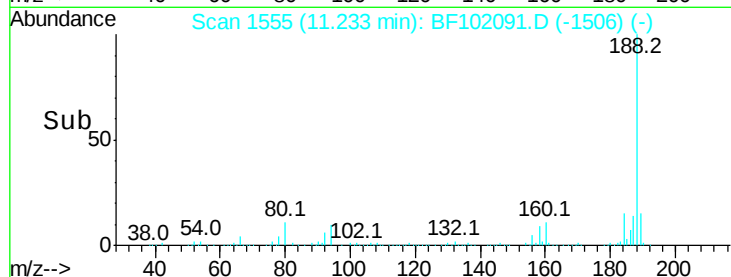
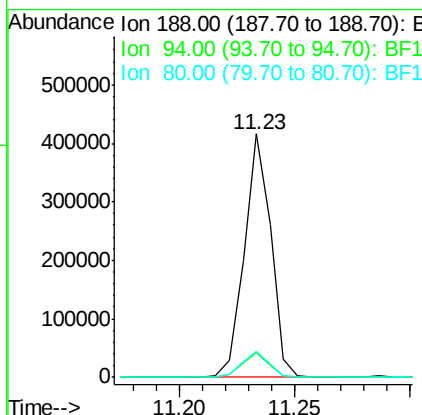
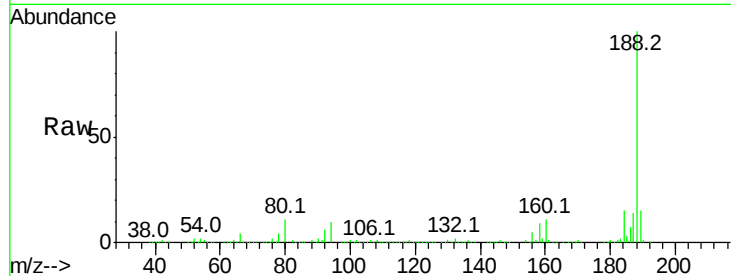




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

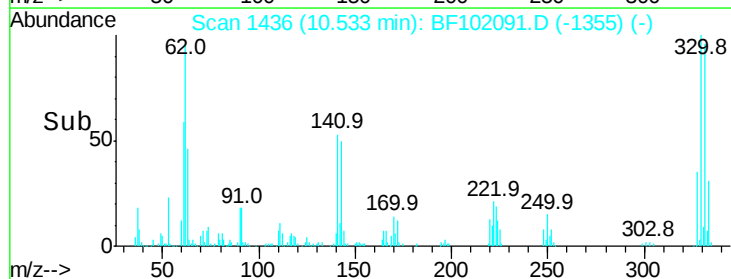
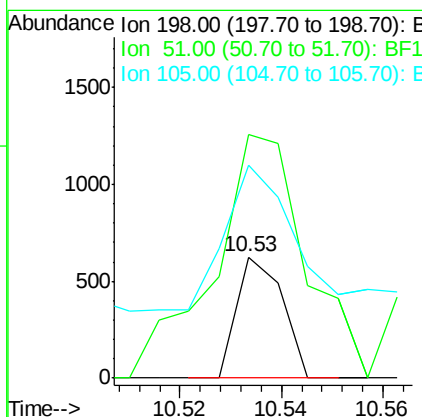
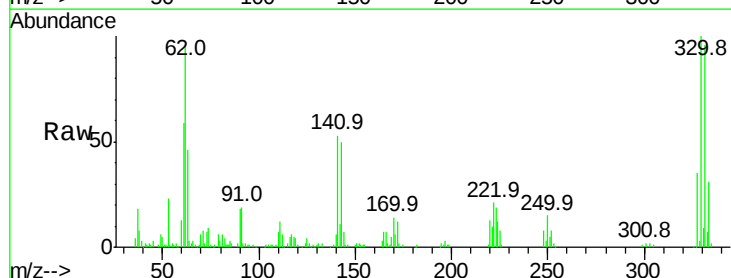
Instrument :
 BNA_F
 ClientSampleId :

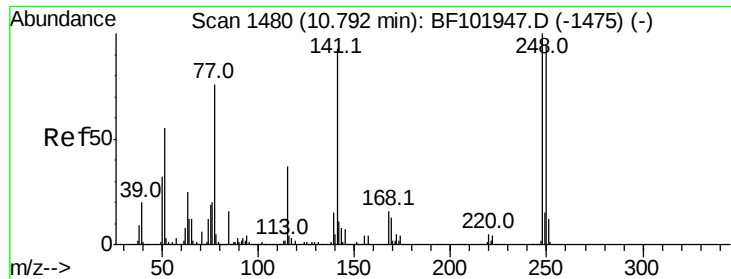
Tot Ion:188 Resp: 334429
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.853 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.18 min
 Lab File: BF102091.D
 Acq: 16 Jan 2018 6:05

Tgt Ion:198 Resp: 392
 Ion Ratio Lower Upper
 198 100
 51 201.4 37.7 77.7#
 105 176.4 36.3 76.3#

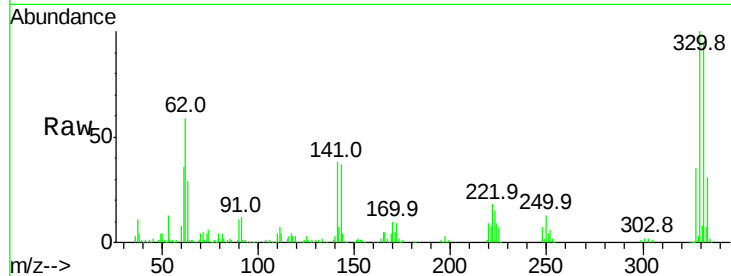




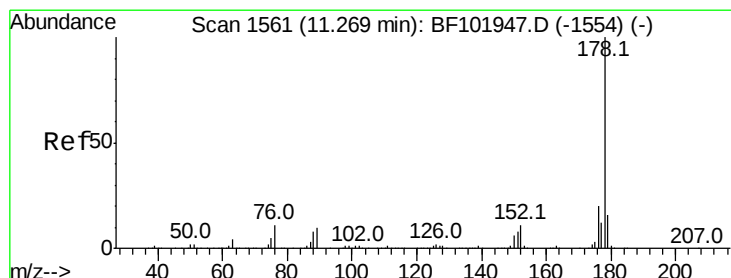
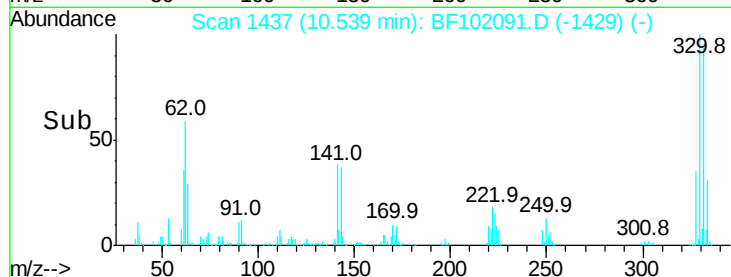
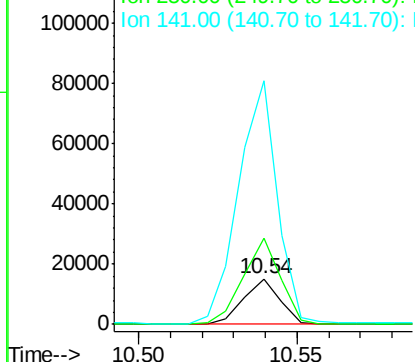
#66
4-Bromophenyl-phenylether
Concen: 3.443 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12161
Ion Ratio Lower Upper
248 100
250 188.4 76.9 115.3#
141 532.7 74.4 111.6#

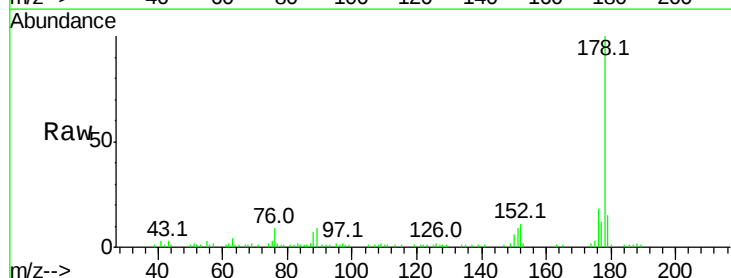


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

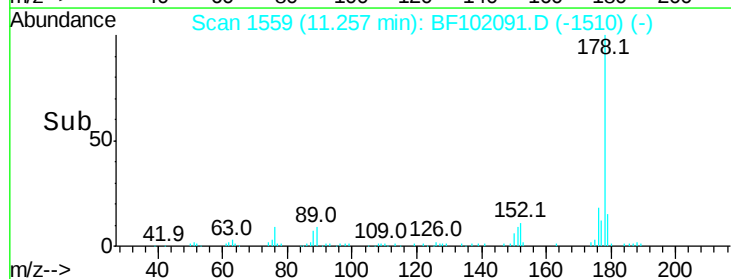
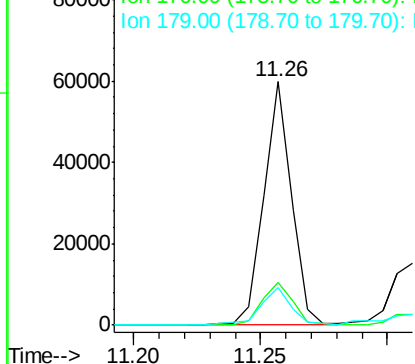


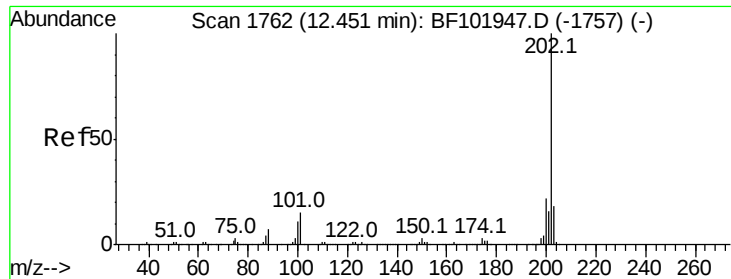
#70
Phenanthrene
Concen: 2.348 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102091.D
Acq: 16 Jan 2018 6:05

Tgt Ion:178 Resp: 45865
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.2 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: 3.849 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampled :

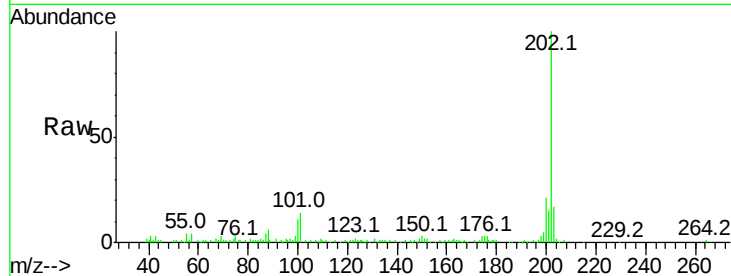
Tot Ion:202 Resp: 73974

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

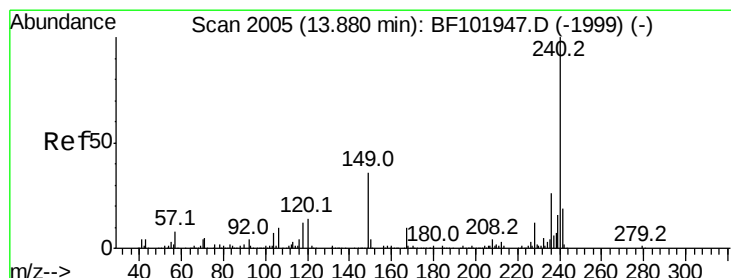
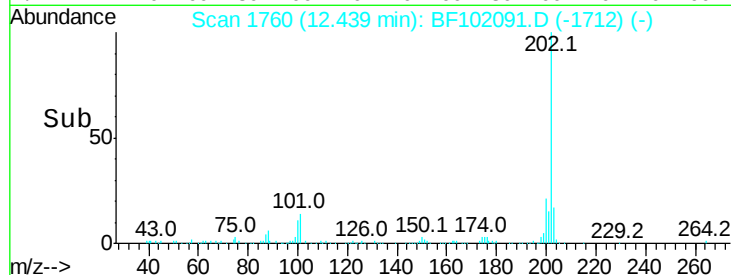
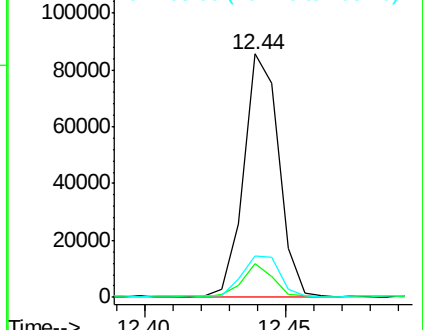
203 17.1 0.0 38.1



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: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

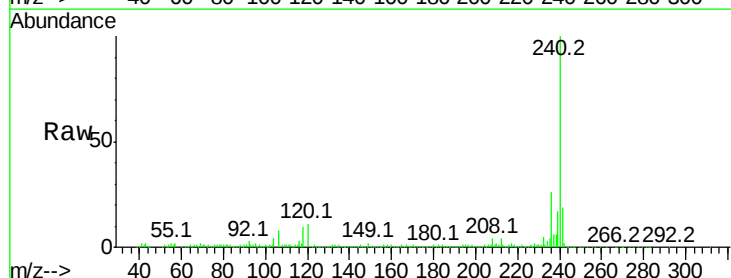
Tgt Ion:240 Resp: 298570

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

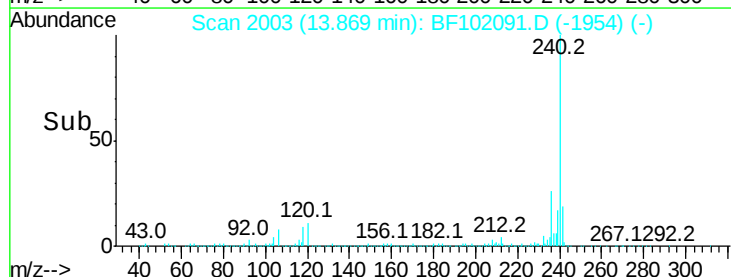
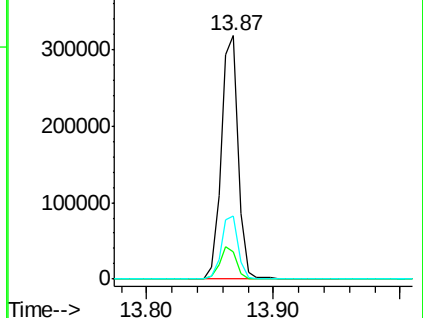
236 26.0 20.7 31.1

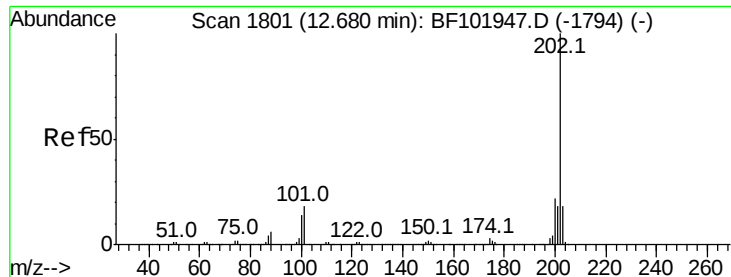


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.566 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampled :

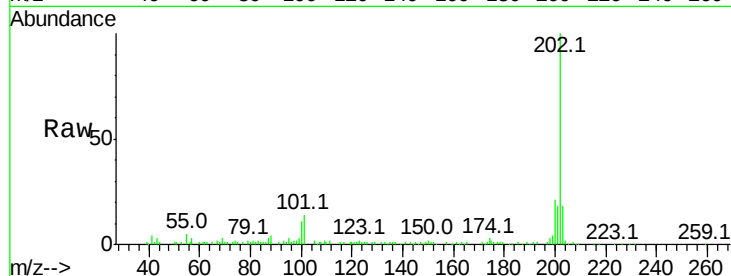
Tot Ion:202 Resp: 67723

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

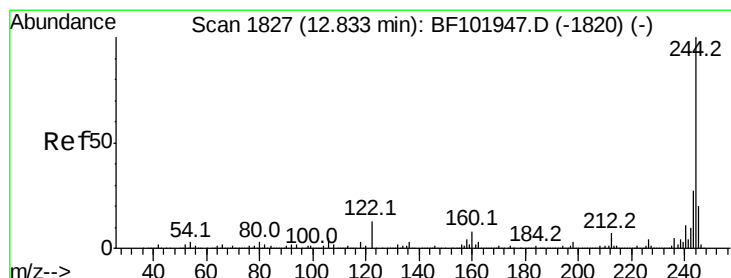
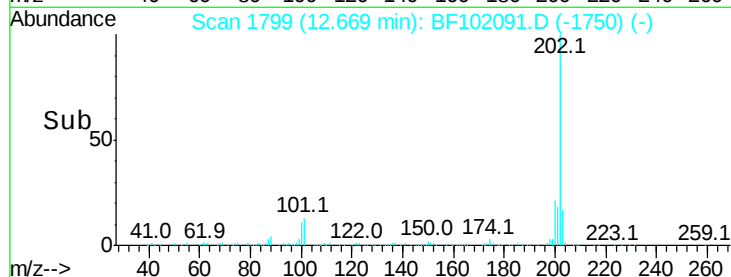
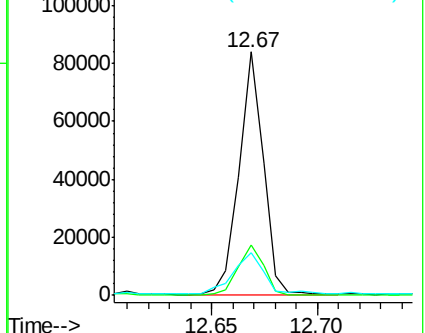
203 17.7 14.3 21.5



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: 52.823 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

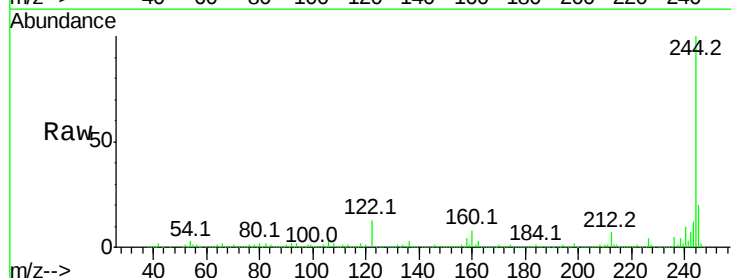
Tgt Ion:244 Resp: 759605

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

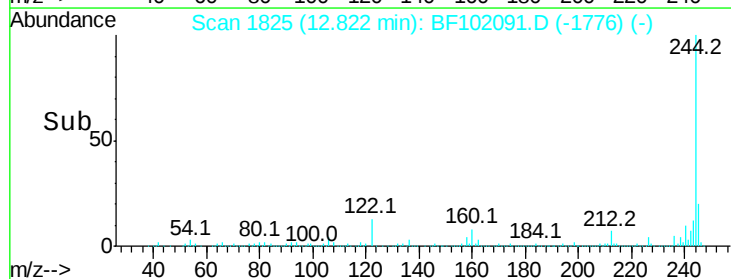
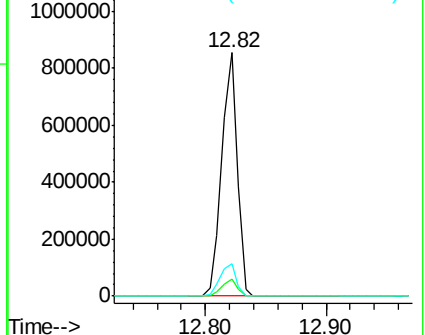
122 13.3 11.0 16.4

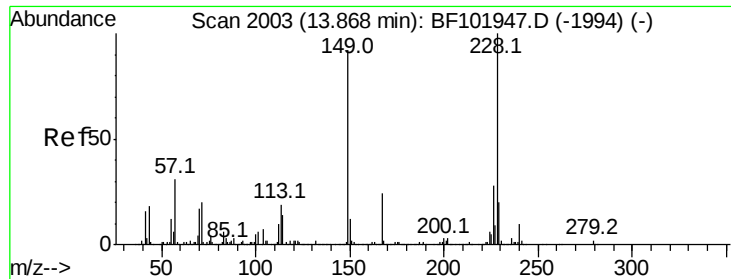


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.118 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampleId :

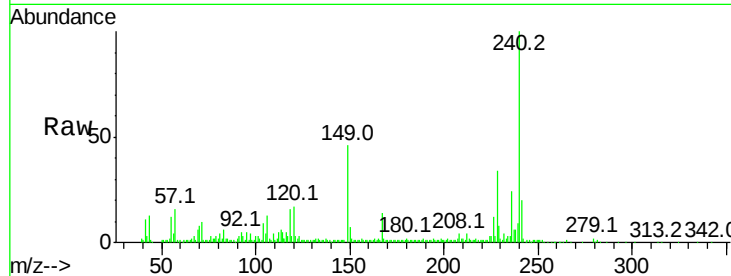
Tot Ion:149 Resp: 43328

Ion Ratio Lower Upper

149 100

167 30.0 21.3 31.9

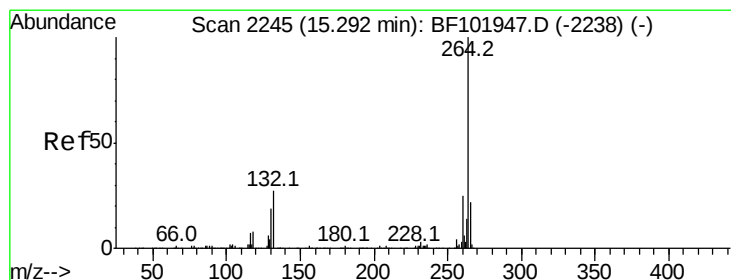
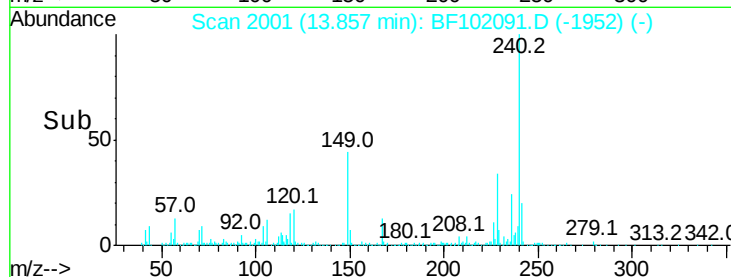
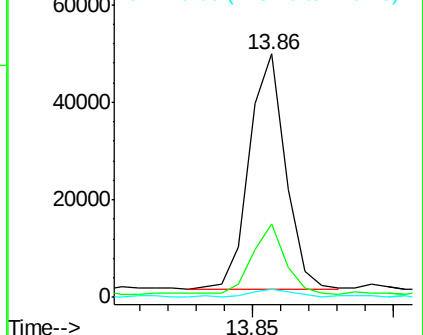
279 3.3 3.0 4.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

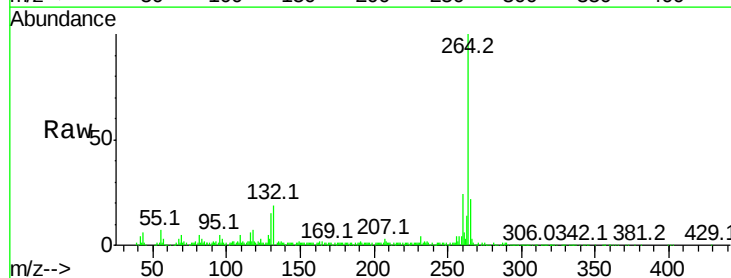
Tgt Ion:264 Resp: 230026

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

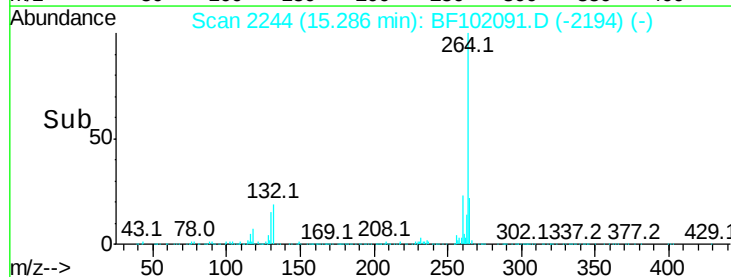
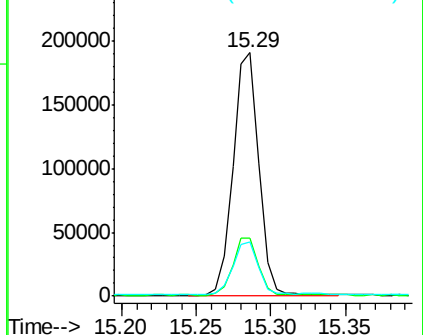
265 22.2 17.5 26.3

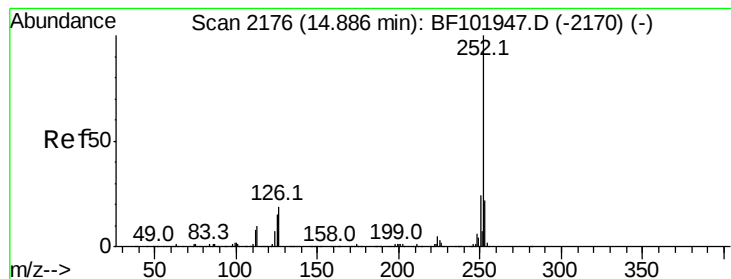


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.572 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA_F

ClientSampleId :

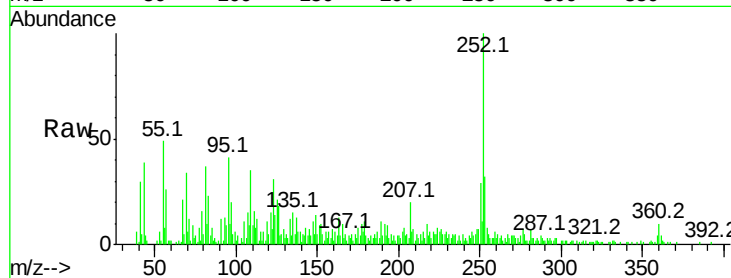
Tot Ion:252 Resp: 53580

Ion Ratio Lower Upper

252 100

253 32.5 17.0 25.6#

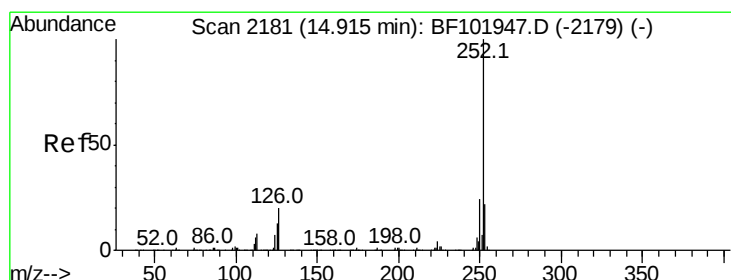
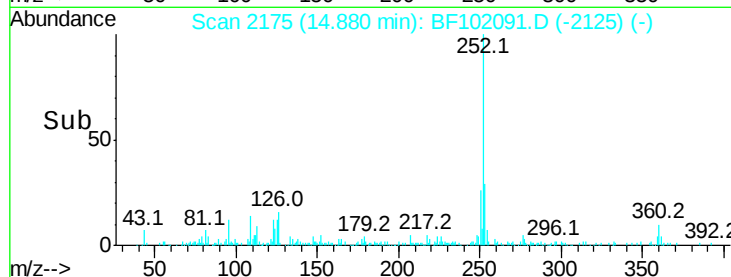
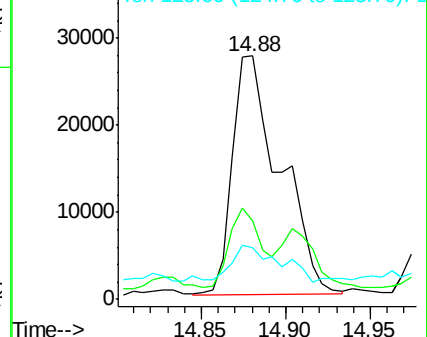
125 21.3 9.0 13.6#



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: 3.703 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.04 min

Lab File: BF102091.D

Acq: 16 Jan 2018 6:05

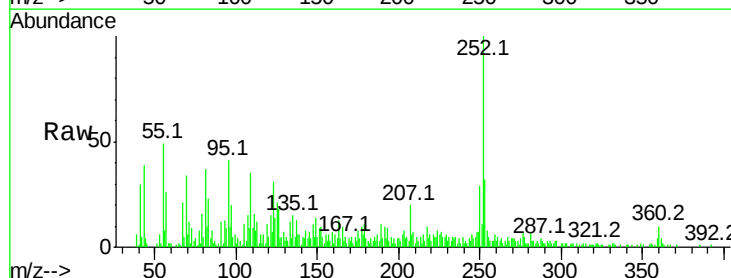
Tgt Ion:252 Resp: 53580

Ion Ratio Lower Upper

252 100

253 32.5 17.9 26.9#

125 21.3 10.2 15.2#



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

