

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102528.D
 Acq On : 27 Jan 2018 23:24
 Operator : SJ/JU
 Sample : J1290-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

Quant Time: Jan 28 01:05:35 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	171290	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	704632	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	285700	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	406579	20.00	ng	0.00
75) Chrysene-d12	13.88	240	303607	20.00	ng	0.00
86) Perylene-d12	15.31	264	228615	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1159433	102.63	ng	0.01
7) Phenol-d6	6.37	99	1423609	104.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	863714	70.44	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	235317	83.13	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1397314	71.91	ng	0.00
78) Terphenyl-d14	12.82	244	942686	70.00	ng	0.00

Target Compounds

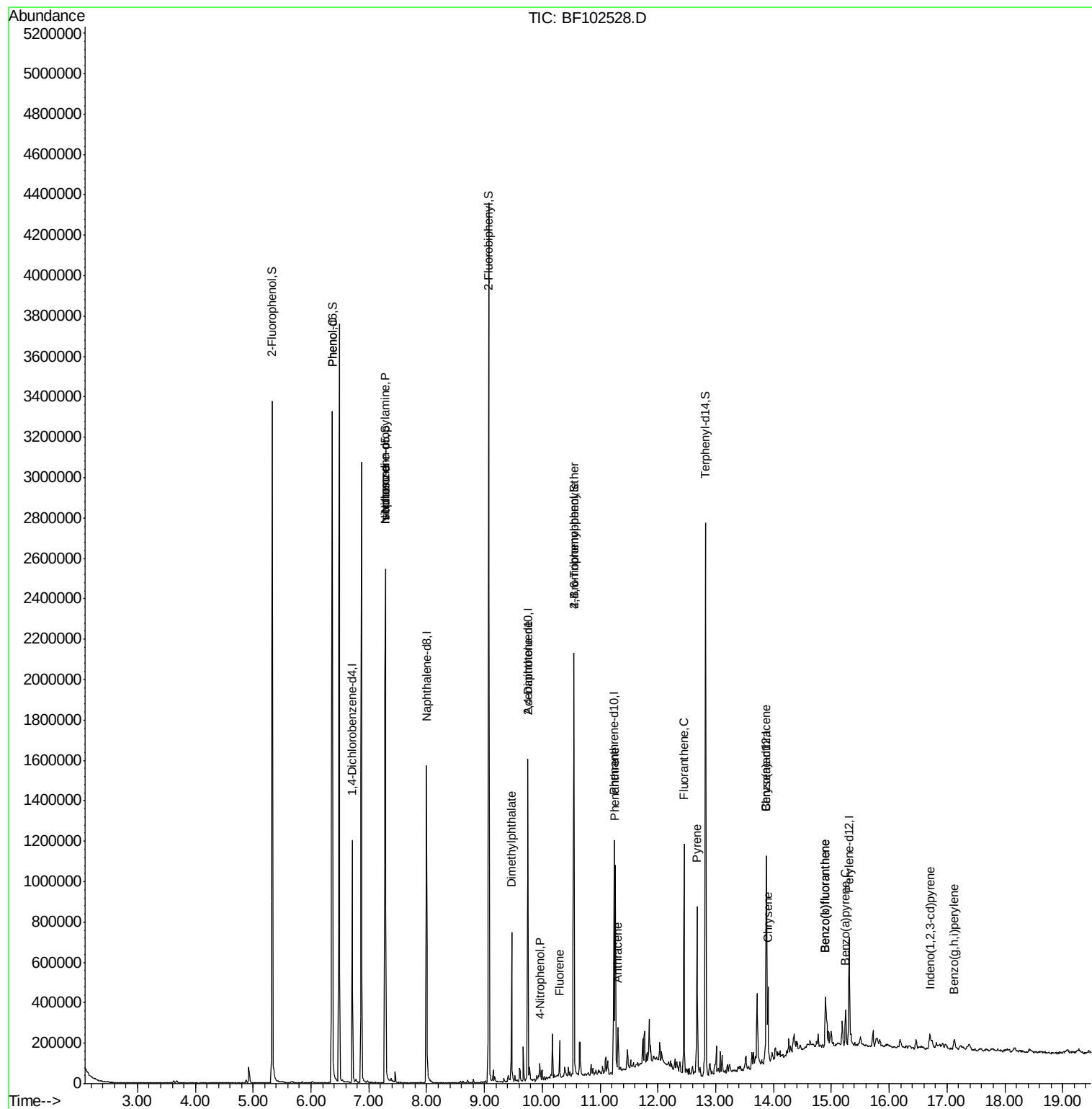
						Qvalue
10) Phenol	6.37	94	72694	4.889	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	116427	13.969	ng	# 78
25) Isophorone	7.29	82	860709	39.375	ng	# 64
49) Dimethylphthalate	9.47	163	262611	11.121	ng	99
55) 4-Nitrophenol	9.96	139	9811	2.468	ng	# 13
56) 2,4-Dinitrotoluene	9.75	165	37315	5.960	ng	# 24
57) Fluorene	10.30	166	46502	2.400	ng	98
66) 4-Bromophenyl-phenylether	10.55	248	15843	3.620	ng	# 1
70) Phenanthrene	11.26	178	369668	15.603	ng	98
71) Anthracene	11.31	178	95701	3.957	ng	97
74) Fluoranthene	12.45	202	403754	16.711	ng	99
77) Pyrene	12.68	202	313276	13.346	ng	99
80) Benzo(a)anthracene	13.87	228	158305	8.469	ng	99
82) Chrysene	13.90	228	129769	6.837	ng	96
85) Indeno(1,2,3-cd)pyrene	16.70	276	36623	2.336	ng	96
87) Benzo(b)fluoranthene	14.90	252	178523	12.048	ng	# 94
88) Benzo(k)fluoranthene	14.90	252	178523	12.752	ng	# 97
89) Benzo(a)pyrene	15.24	252	82848	6.199	ng	# 93
91) Benzo(g,h,i)perylene	17.13	276	32970	3.085	ng	# 88

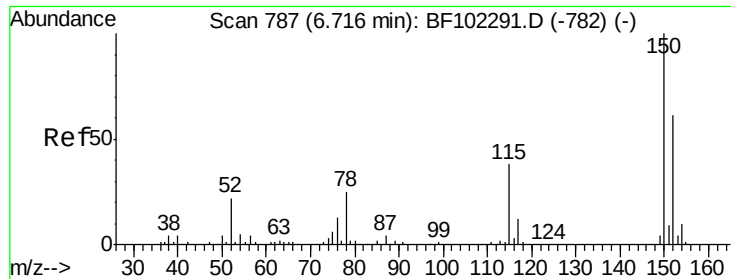
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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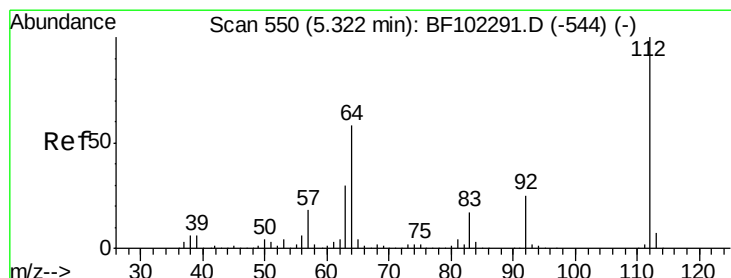
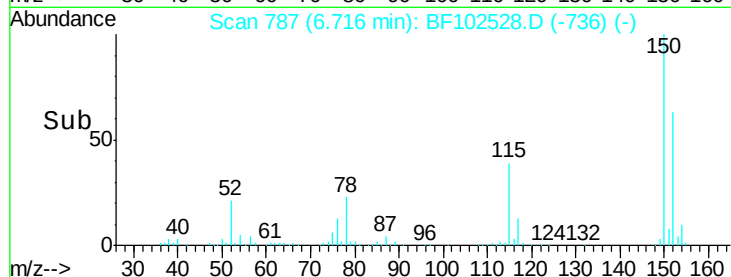
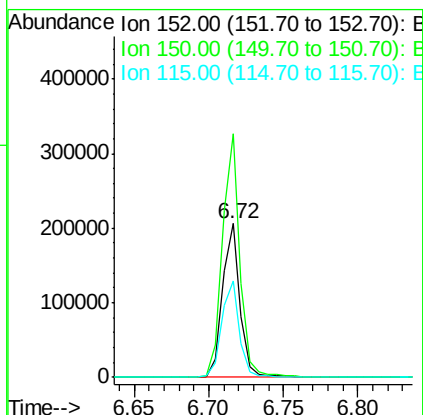
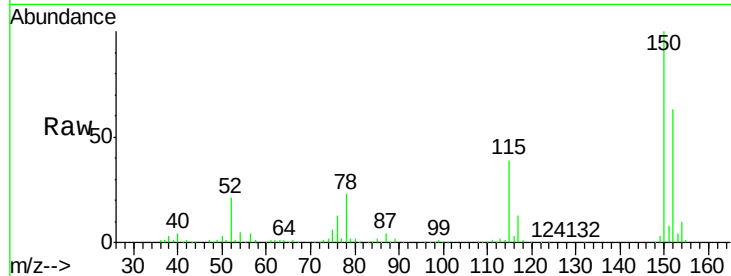


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

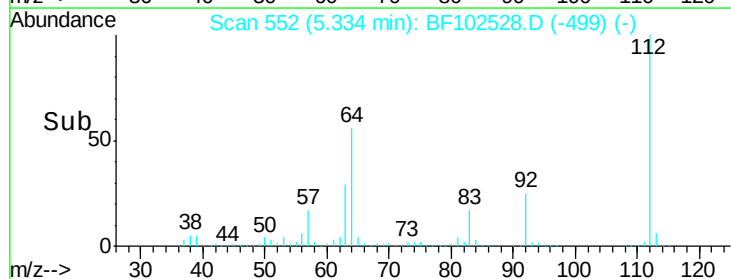
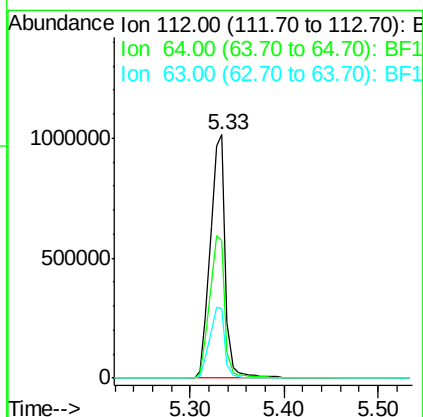
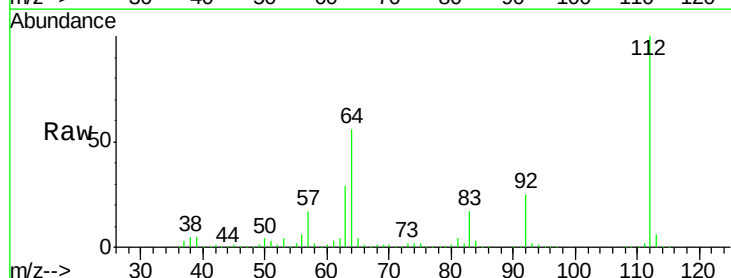
Tgt Ion:152 Resp: 171290
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 62.6 50.1 75.1

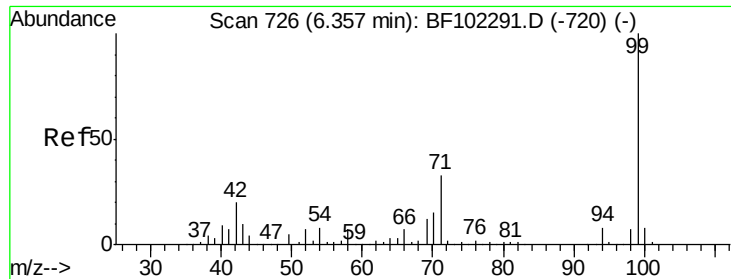


#5

2-Fluorophenol
Concen: 102.633 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion:112 Resp: 1159433
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 28.7 23.7 35.5





#7

Phenol-d6

Concen: 104.528 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

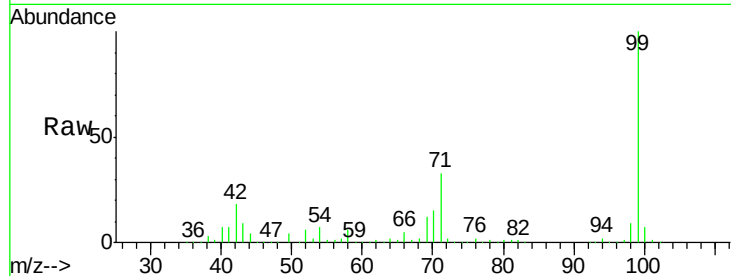
Tgt Ion: 99 Resp: 1423609

Ion Ratio Lower Upper

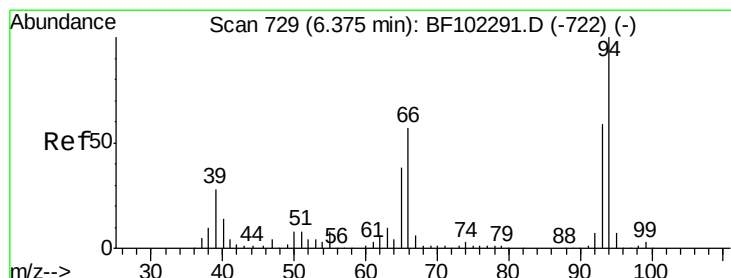
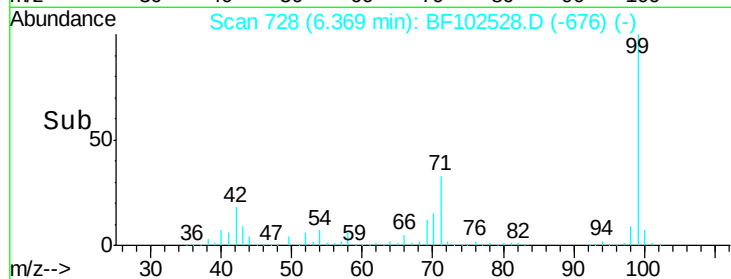
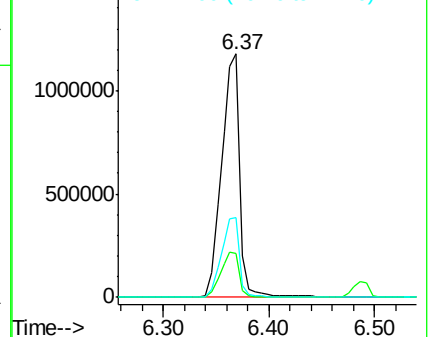
99 100

42 17.8 14.5 21.7

71 32.6 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



#10

Phenol

Concen: 4.889 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

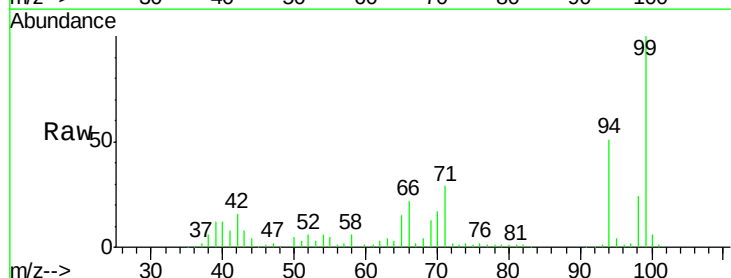
Tgt Ion: 94 Resp: 72694

Ion Ratio Lower Upper

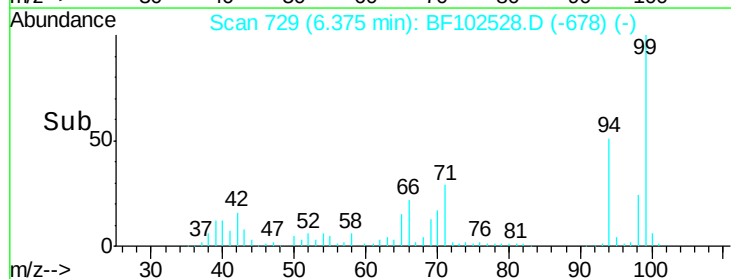
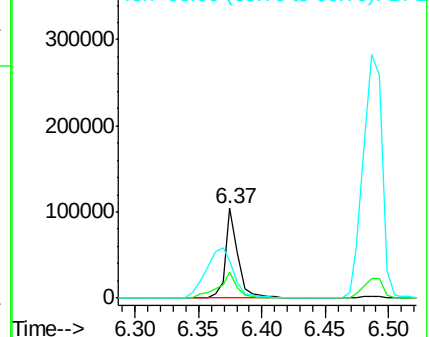
94 100

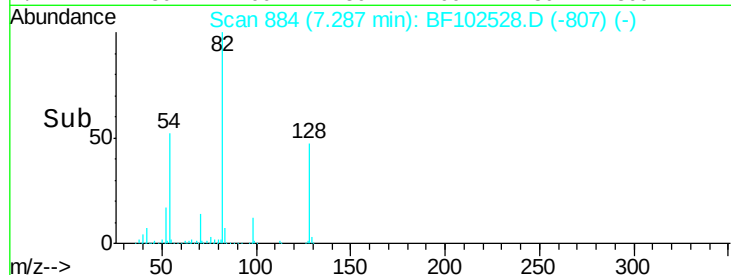
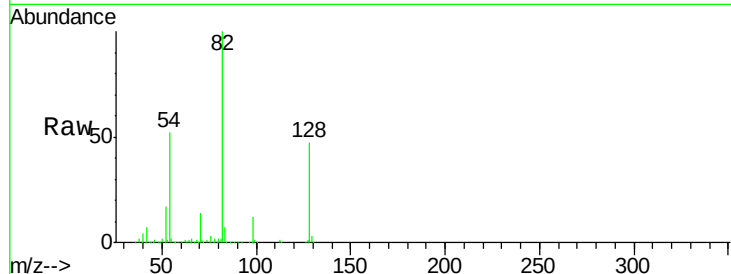
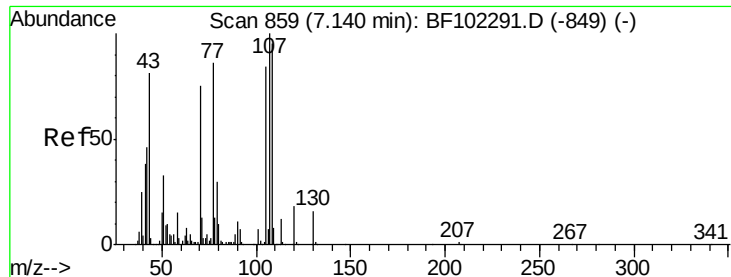
65 29.7 7.9 47.9

66 42.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

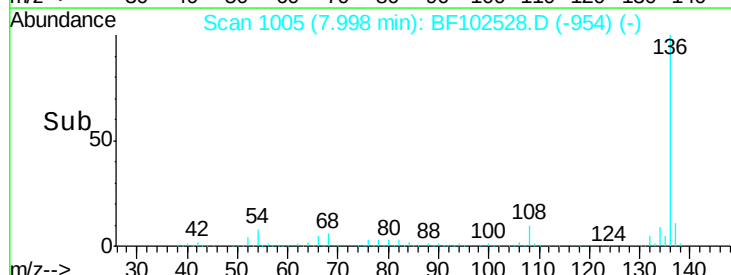
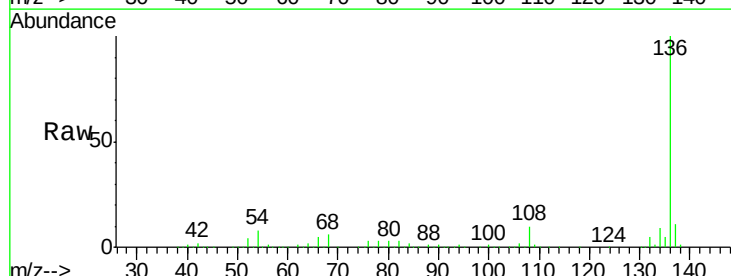
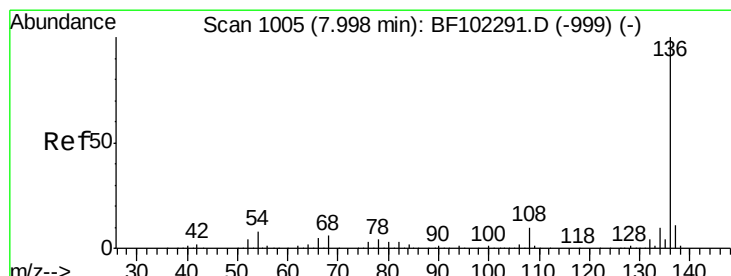
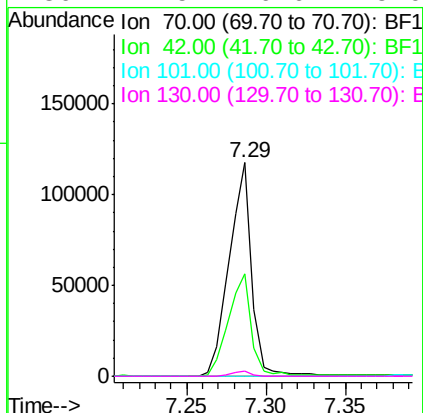




#19
n-Nitroso-di-n-propylamine
Concen: 13.969 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

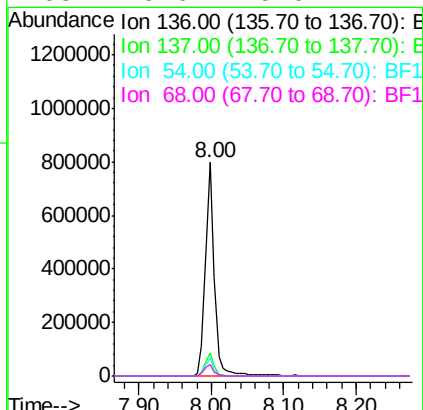
Instrument :
BNA_F
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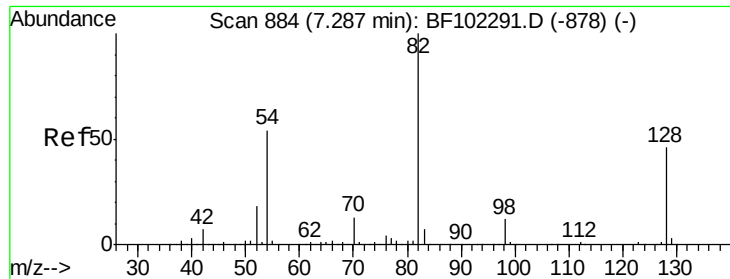
Tgt Ion: 70 Resp: 116427
Ion Ratio Lower Upper
70 100
42 48.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion: 136 Resp: 704632
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 6.6 9.8
68 5.6 5.0 7.4

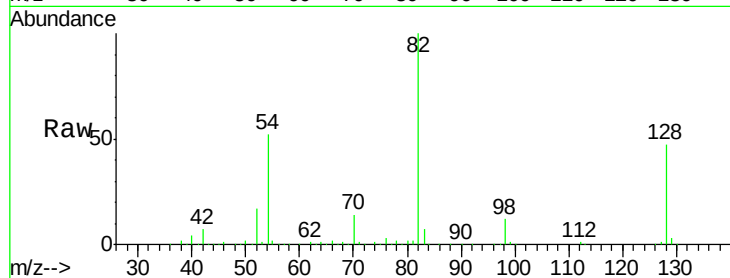




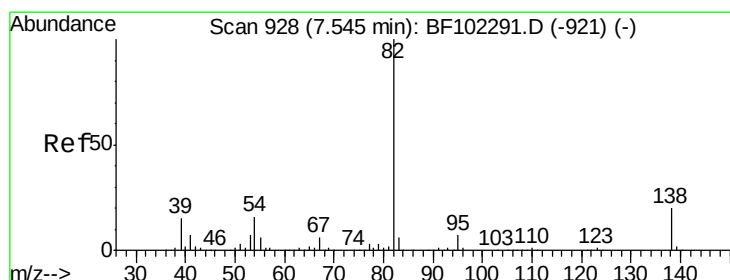
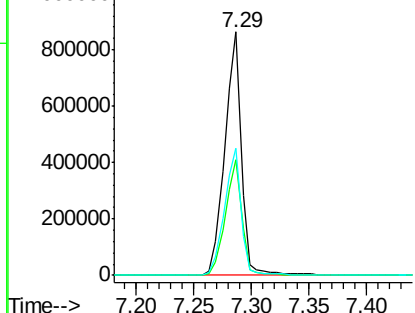
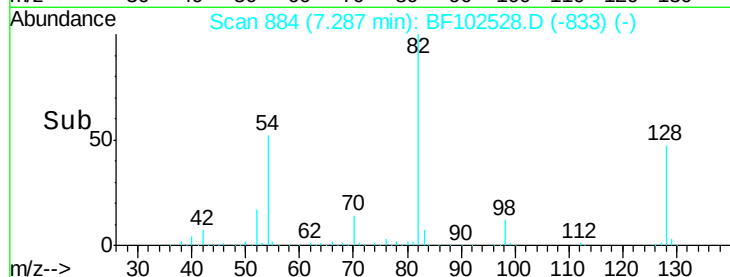
#23
Nitrobenzene-d5
Concen: 70.441 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion: 82 Resp: 863714
Ion Ratio Lower Upper
82 100
128 47.4 36.1 54.1
54 52.3 41.4 62.2

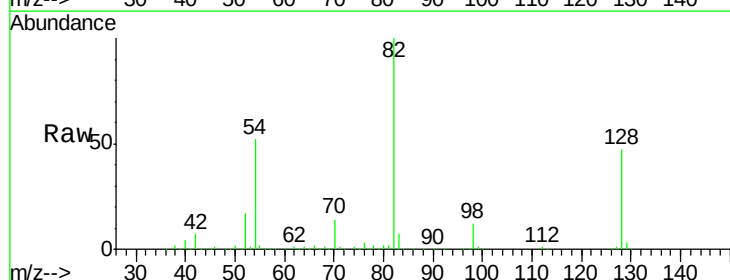


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

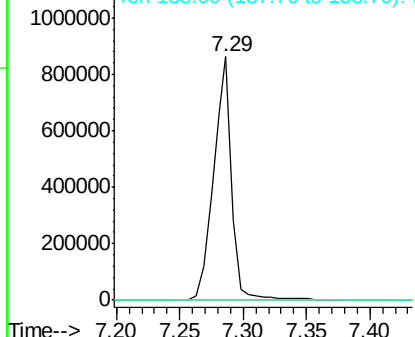
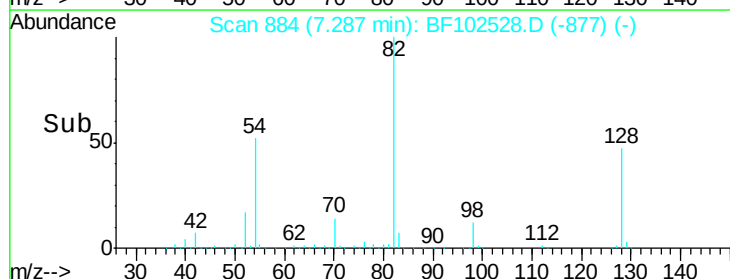


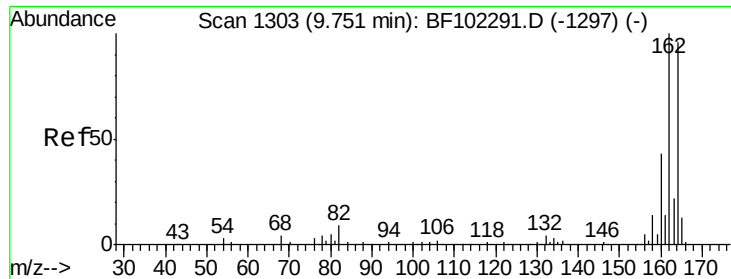
#25
Isophorone
Concen: 39.375 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion: 82 Resp: 860709
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

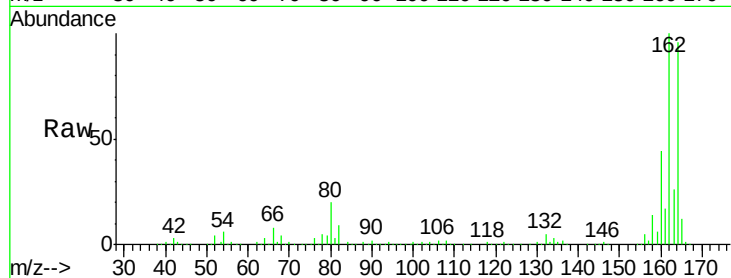




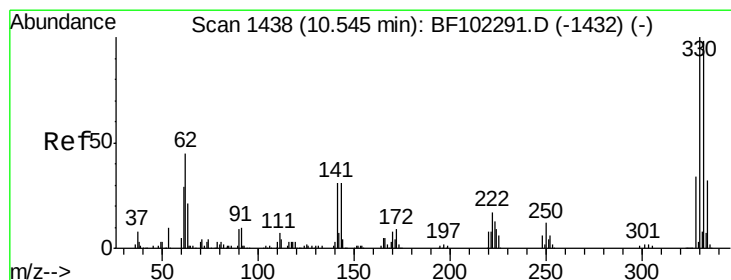
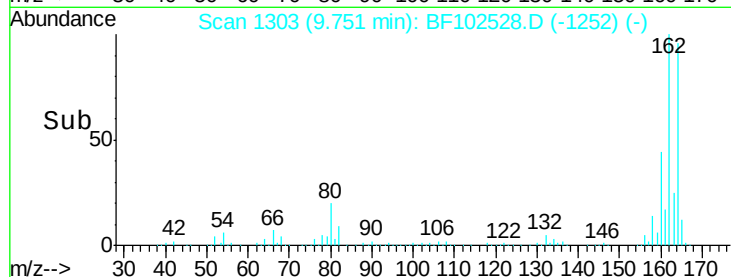
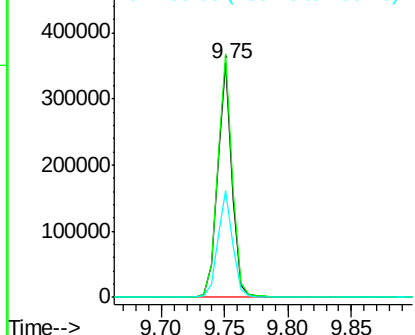
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Instrument :
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 ClientSampleId :
 SB-51-10.5-11.0

Tgt Ion:164 Resp: 285700
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 45.5 38.3 57.5

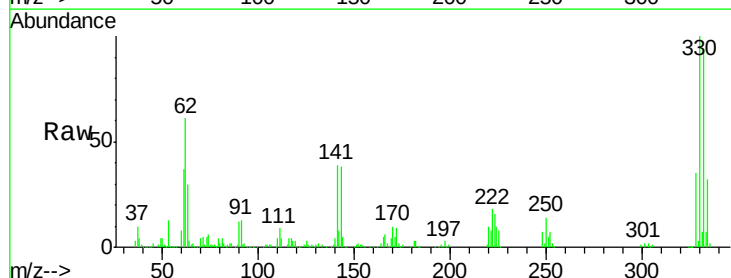


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

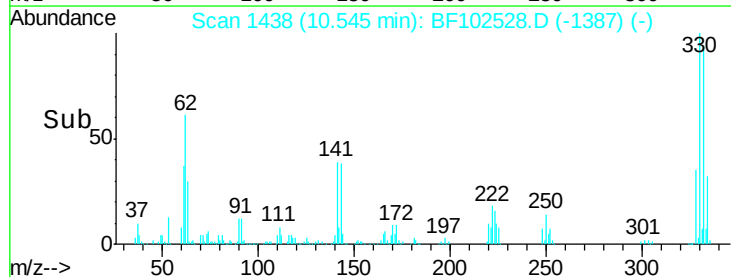
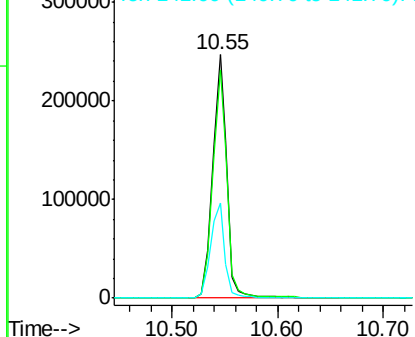


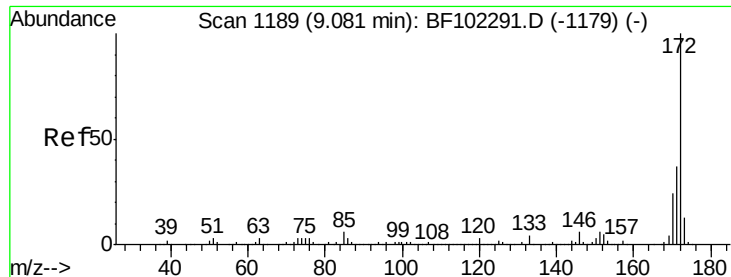
#41
 2,4,6-Tribromophenol
 Concen: 83.125 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Tgt Ion:330 Resp: 235317
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 39.8 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

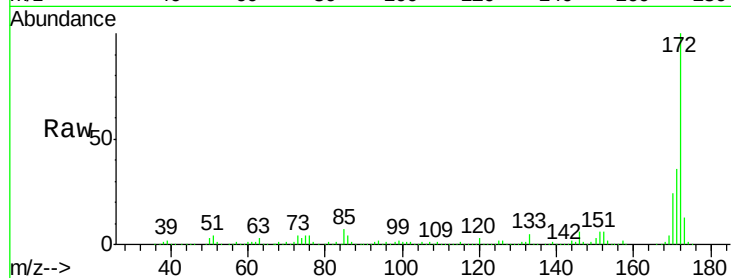




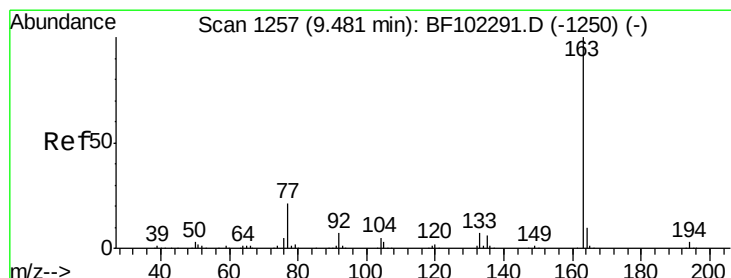
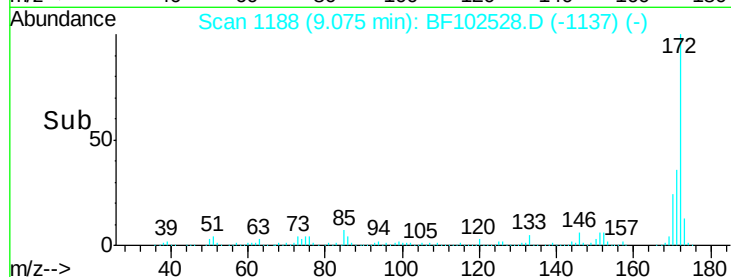
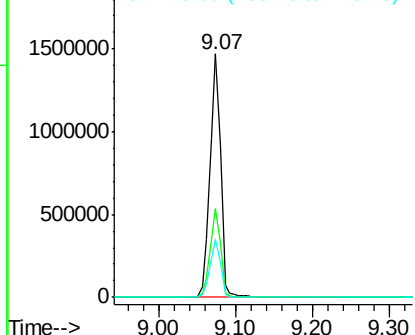
#44
2-Fluorobiphenyl
Concen: 71.913 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion:172 Resp: 1397314
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.9 19.6 29.4

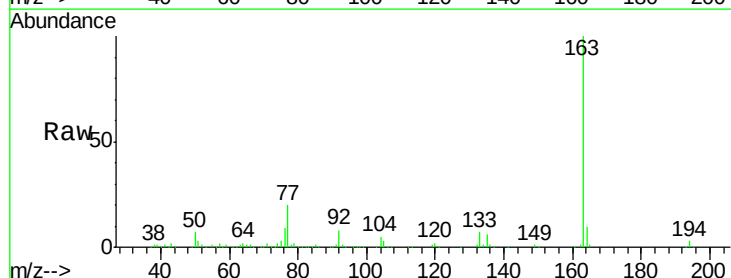


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

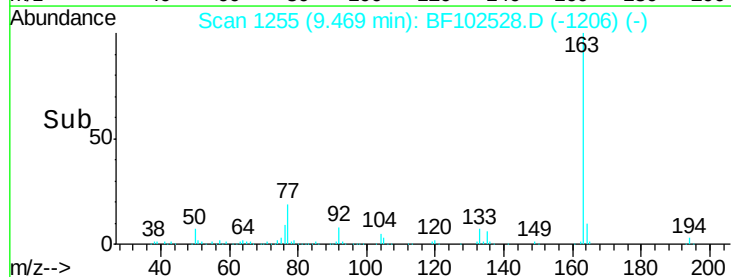
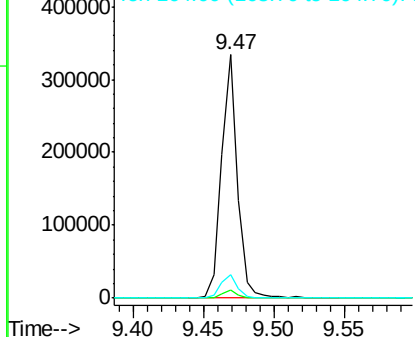


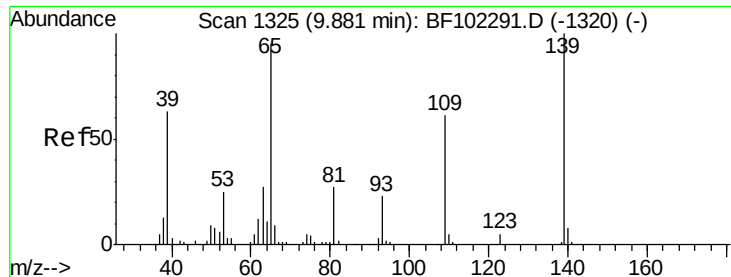
#49
Dimethylphthalate
Concen: 11.121 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion:163 Resp: 262611
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.6 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

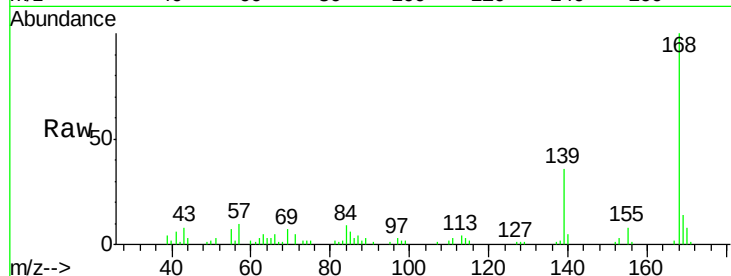




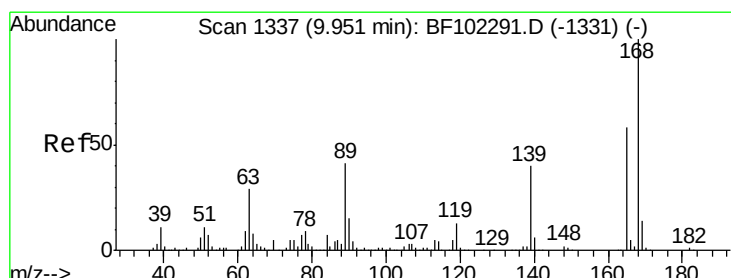
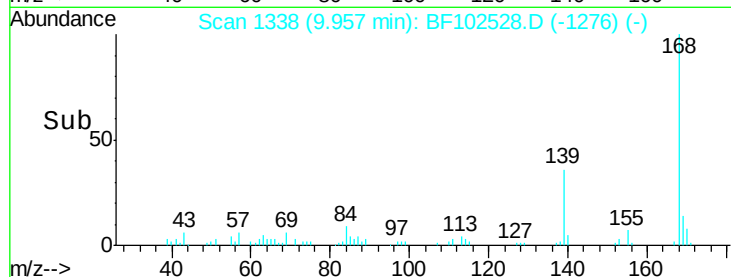
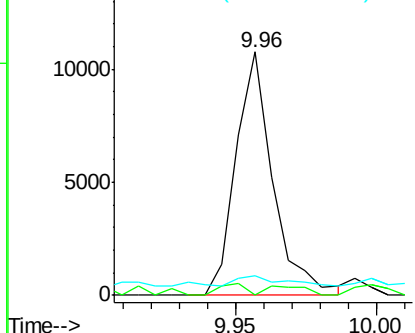
#55
4-Nitrophenol
Concen: 2.468 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	8.2	72.6	112.6#



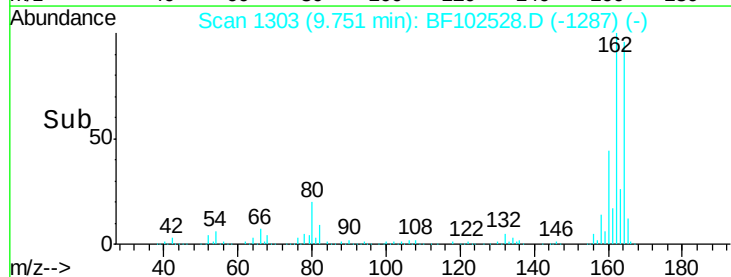
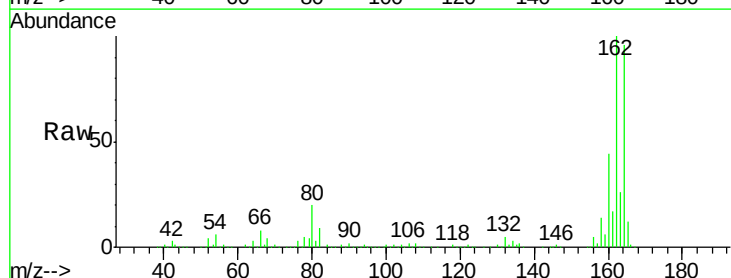
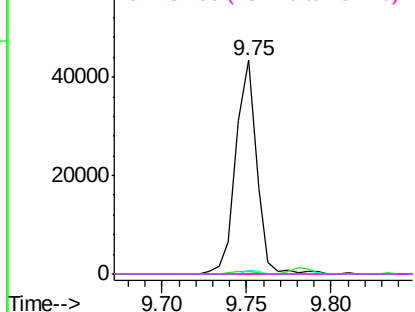
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

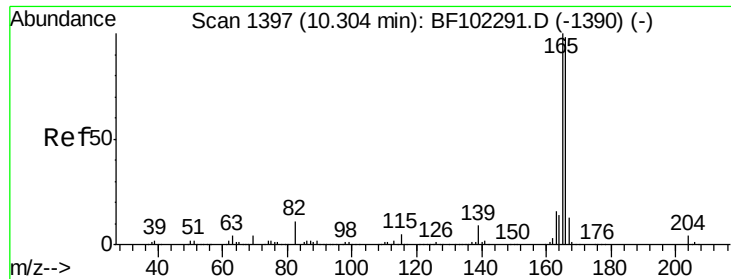


#56
2,4-Dinitrotoluene
Concen: 5.960 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.0	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

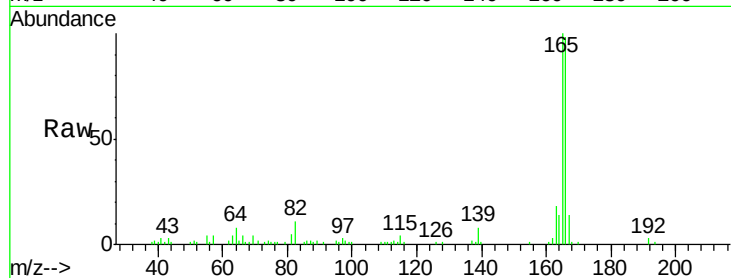




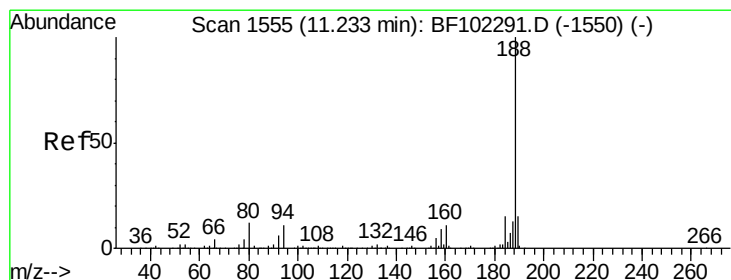
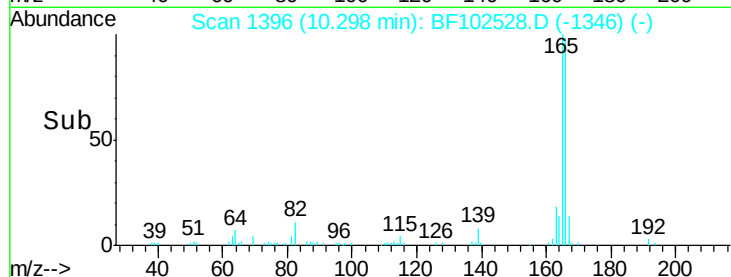
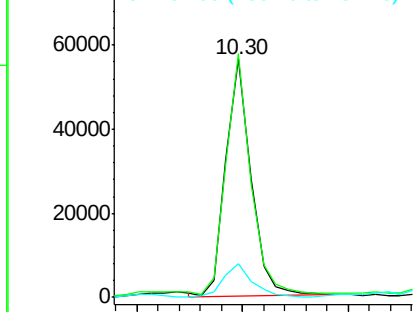
#57
 Fluorene
 Concen: 2.400 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.1	79.8	119.8
167	14.2	10.6	16.0

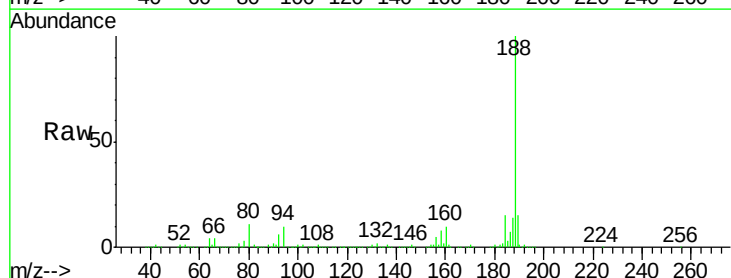


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

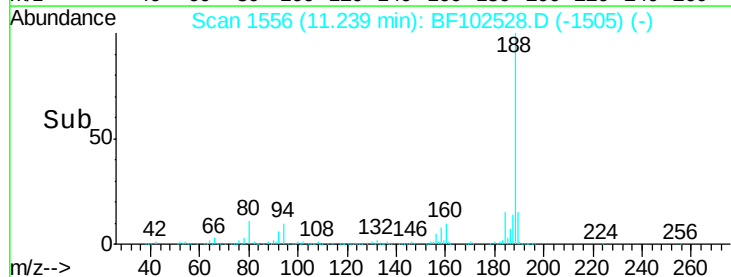
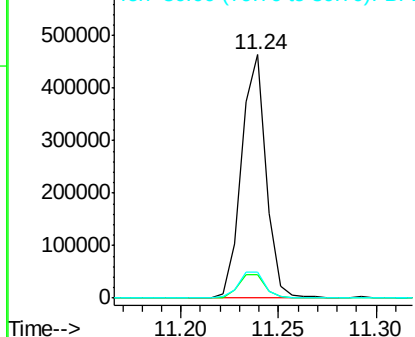


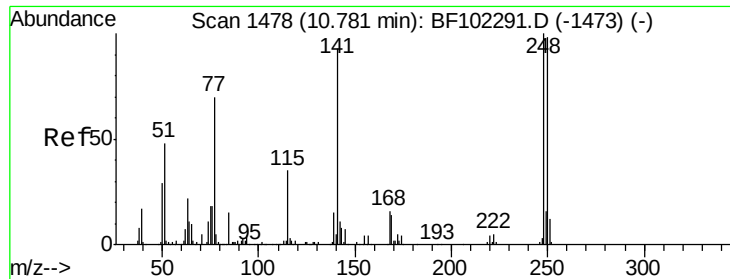
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.7	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

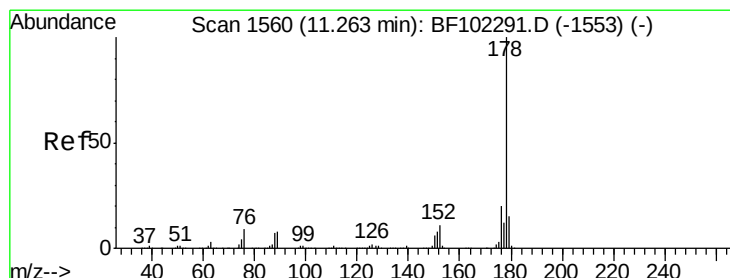
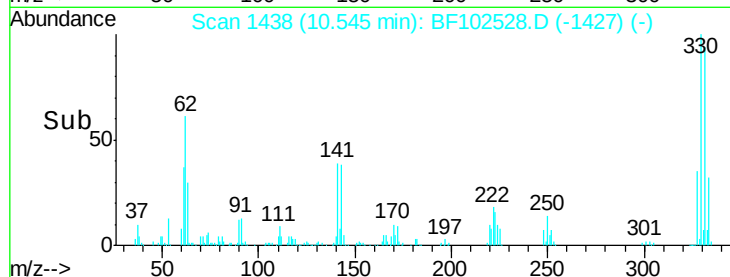
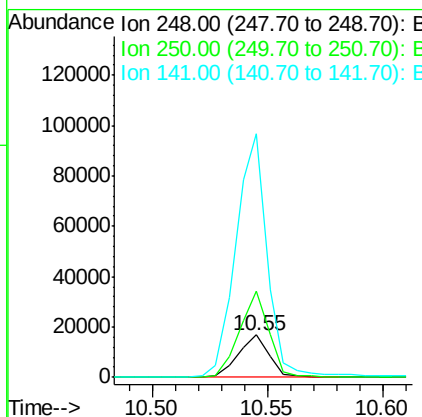
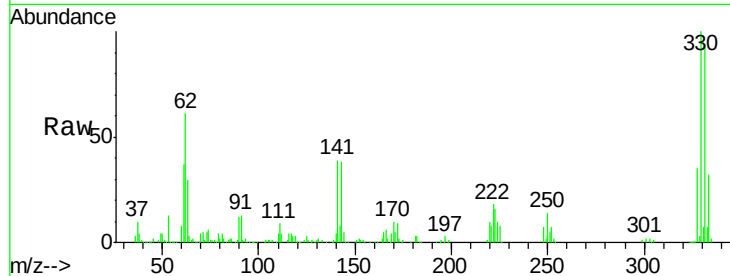




#66
 4-Bromophenyl-phenylether
 Concen: 3.620 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

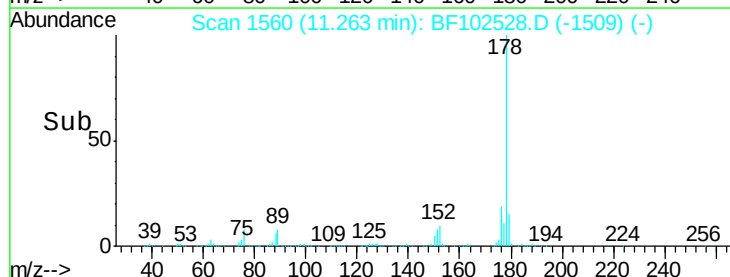
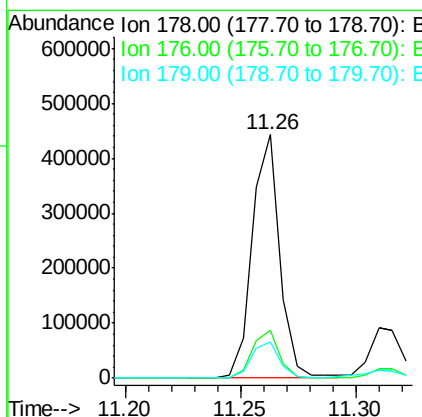
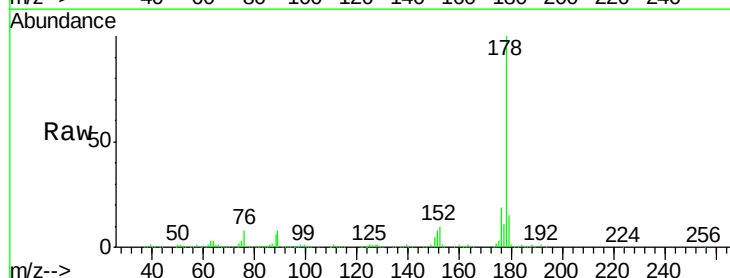
Instrument :
 BNA_F
 ClientSampleId :
 SB-51-10.5-11.0

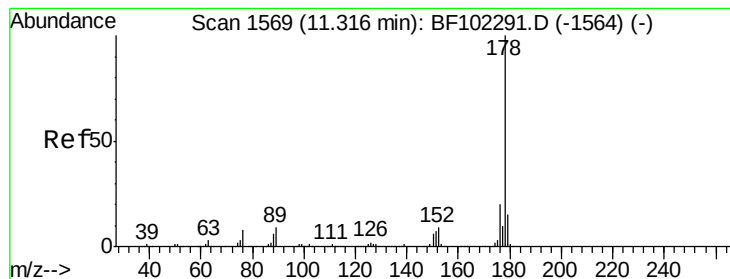
Tgt Ion:248 Resp: 15843
 Ion Ratio Lower Upper
 248 100
 250 202.3 76.9 115.3#
 141 573.8 74.4 111.6#



#70
 Phenanthrene
 Concen: 15.603 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF102528.D
 Acq: 27 Jan 2018 23:24

Tgt Ion:178 Resp: 369668
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 14.9 13.0 19.6





#71

Anthracene

Concen: 3.957 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

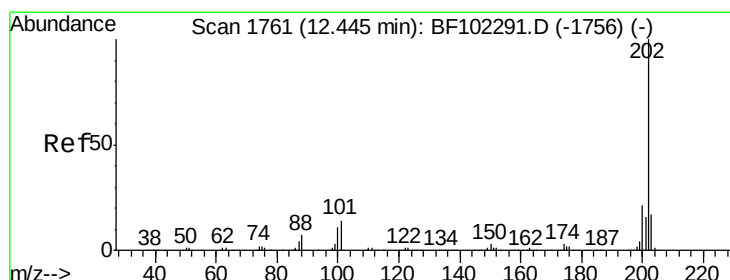
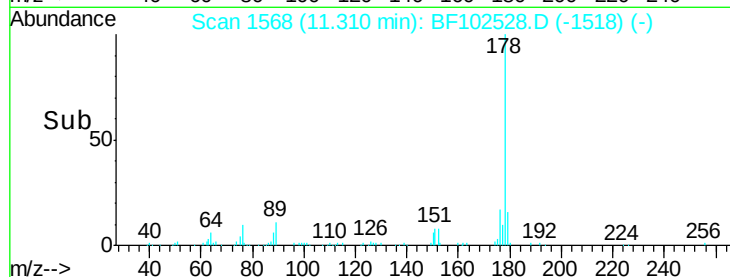
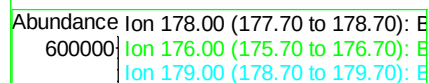
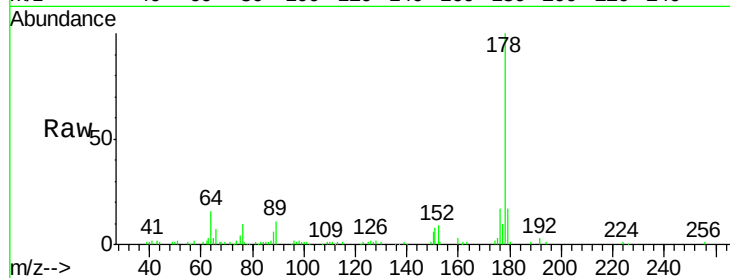
Tgt Ion:178 Resp: 95701

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

179 16.8 12.6 19.0



#74

Fluoranthene

Concen: 16.711 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

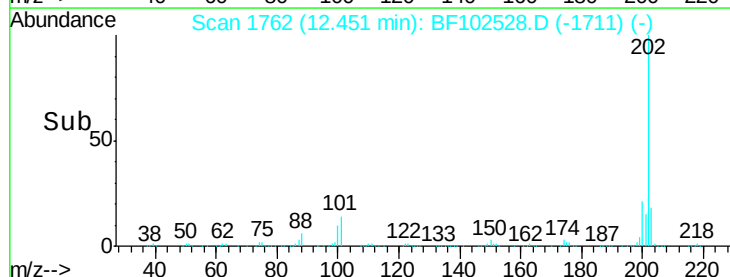
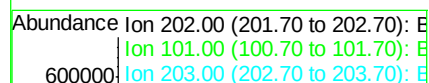
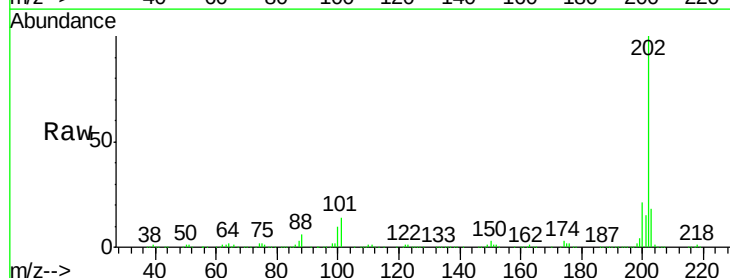
Tgt Ion:202 Resp: 403754

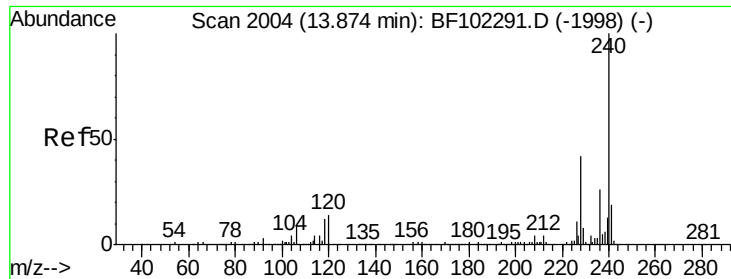
Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

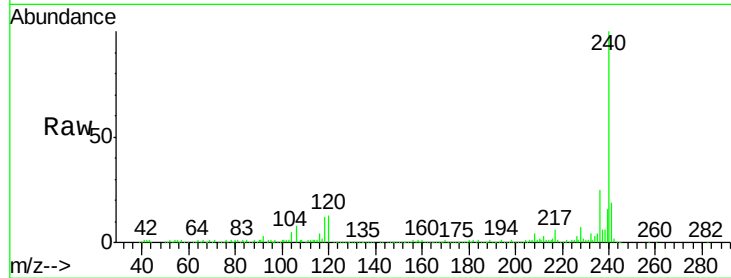
Tgt Ion:240 Resp: 303607

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

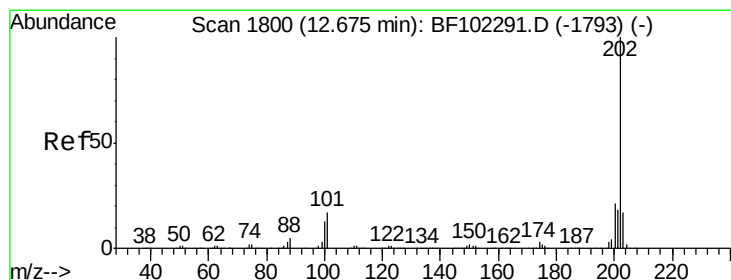
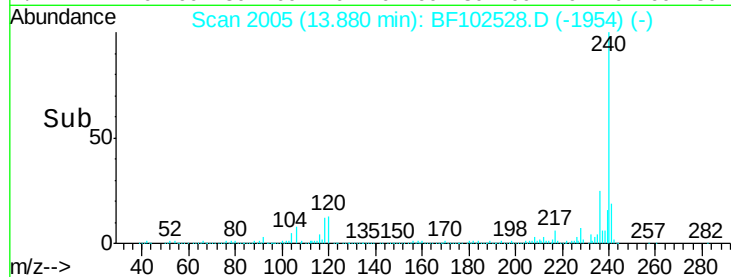
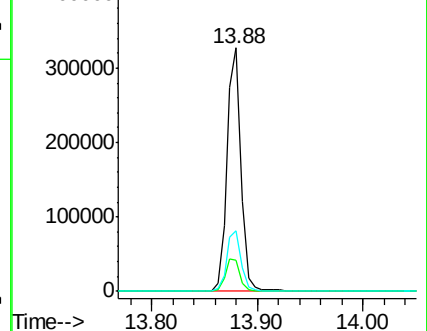
236 24.8 20.7 31.1



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: 13.346 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

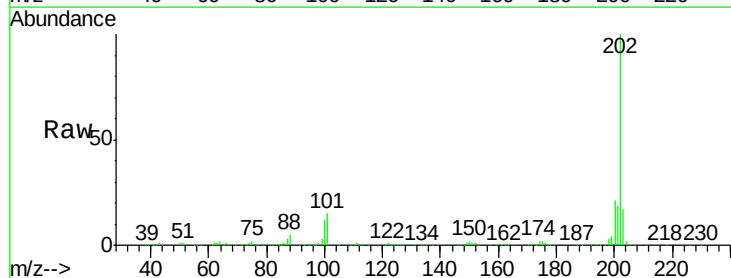
Tgt Ion:202 Resp: 313276

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

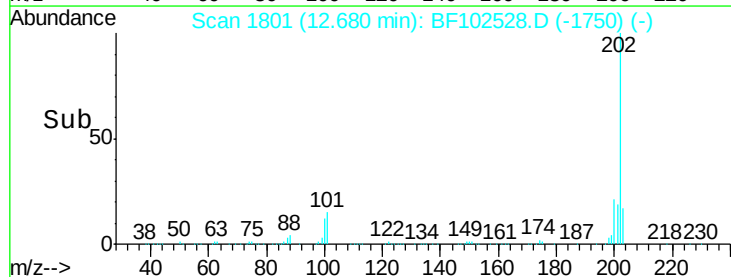
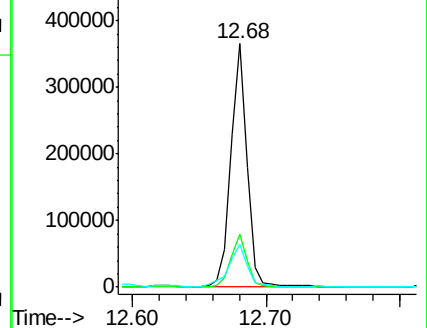
203 17.4 14.3 21.5

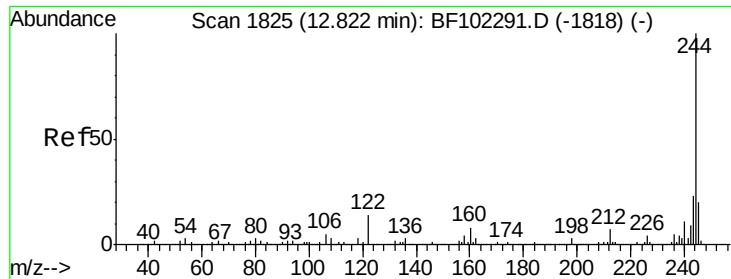


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.997 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

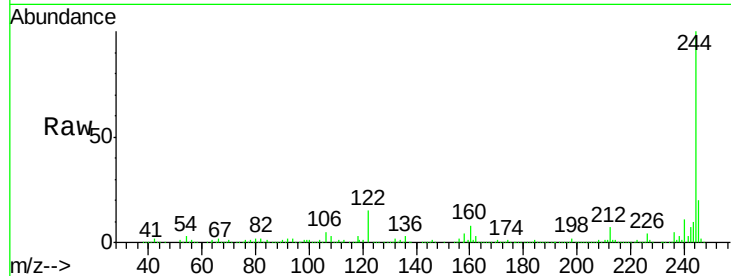
Tgt Ion:244 Resp: 942686

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

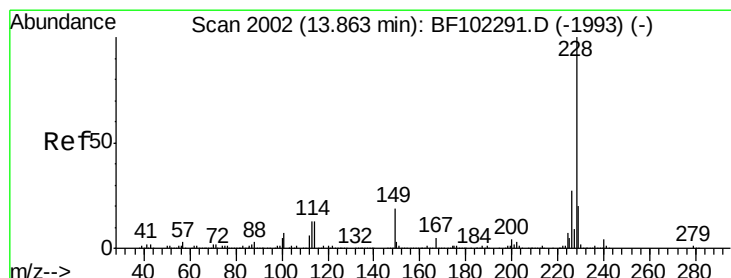
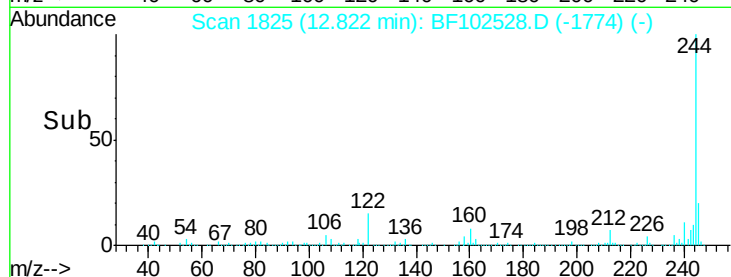
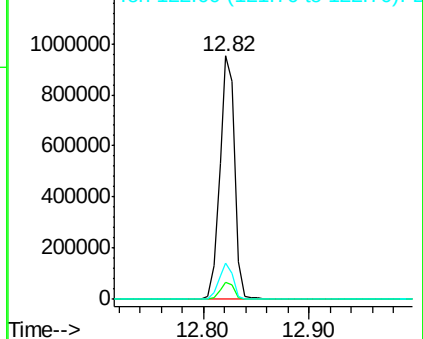
122 14.7 11.0 16.4



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: 8.469 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

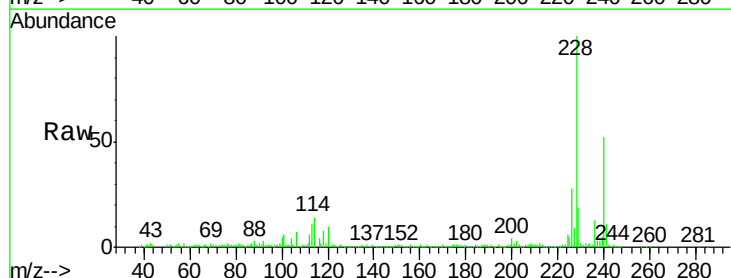
Tgt Ion:228 Resp: 158305

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

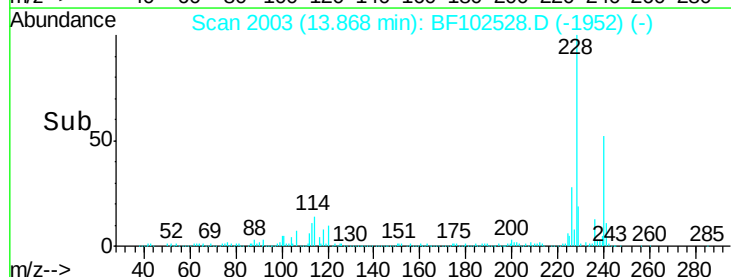
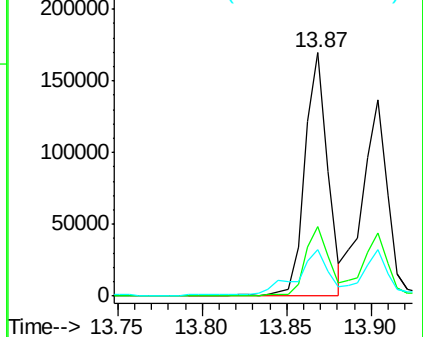
229 19.2 15.8 23.6

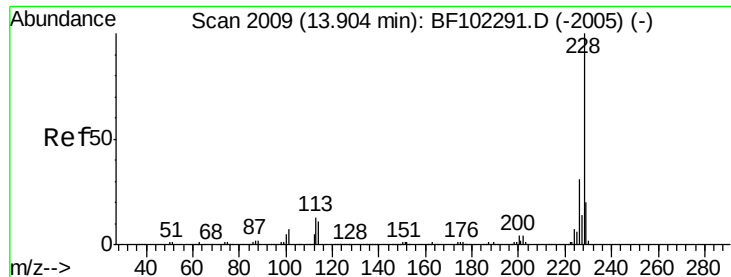


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.837 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0

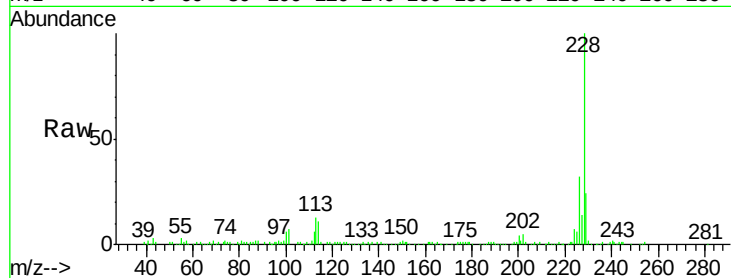
Tgt Ion:228 Resp: 129769

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

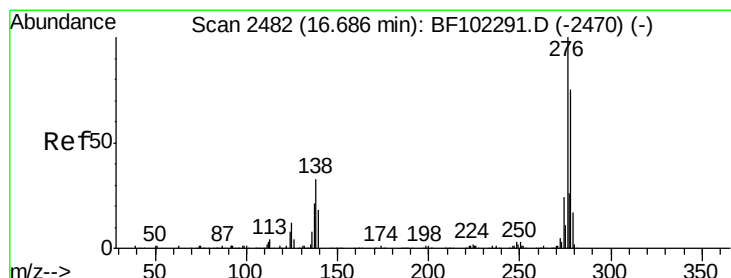
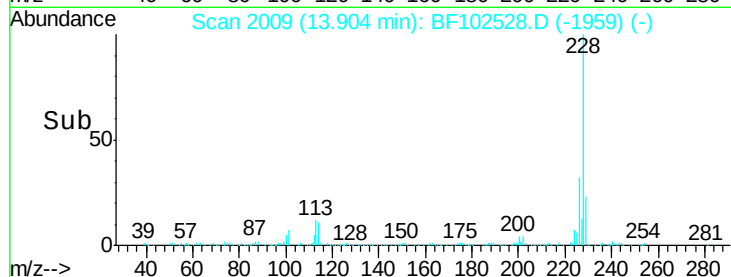
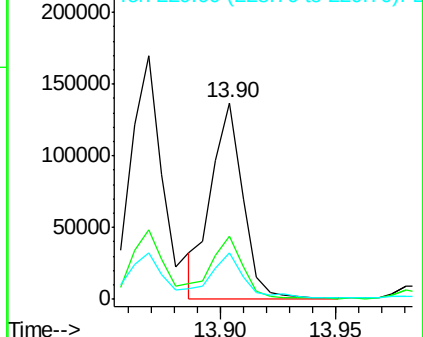
229 23.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.336 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF102528.D

Acq: 27 Jan 2018 23:24

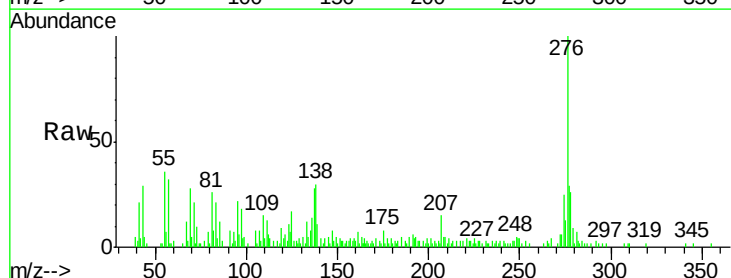
Tgt Ion:276 Resp: 36623

Ion Ratio Lower Upper

276 100

138 28.3 25.0 37.6

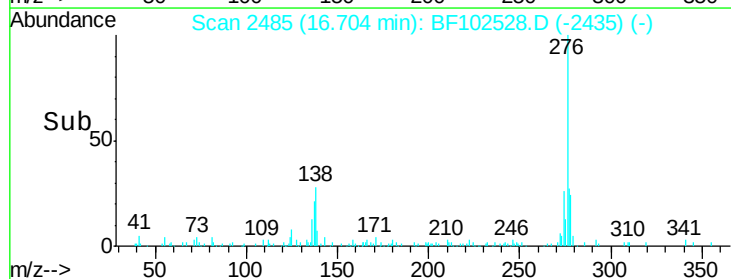
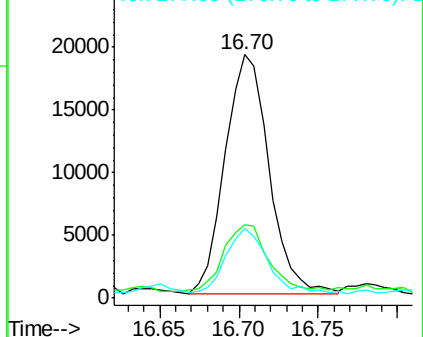
277 25.8 20.1 30.1

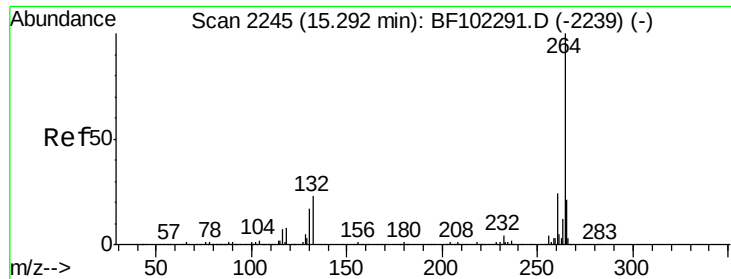


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

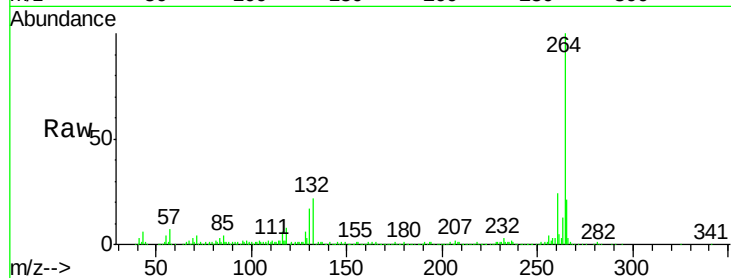




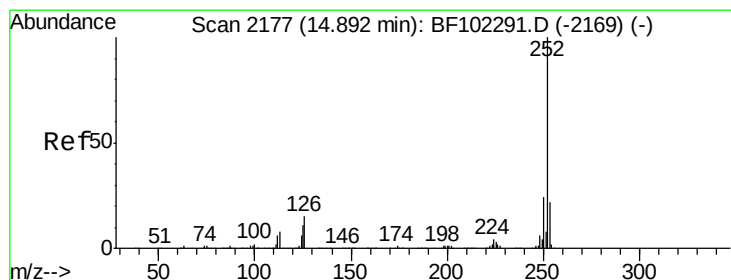
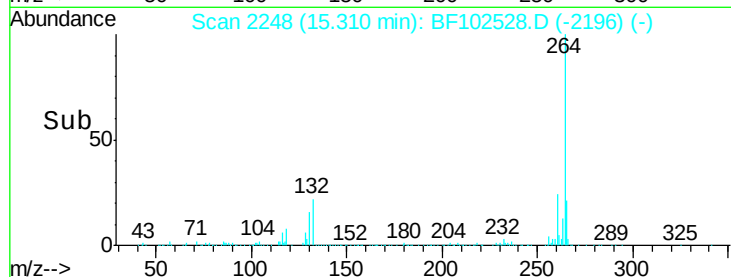
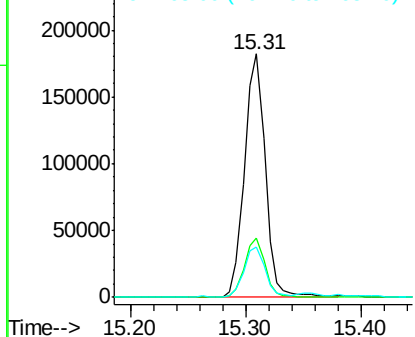
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.9	17.5	26.3

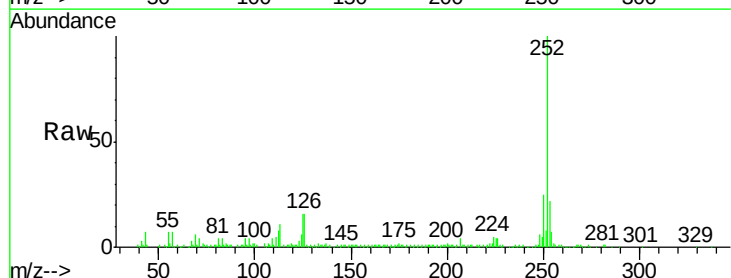


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

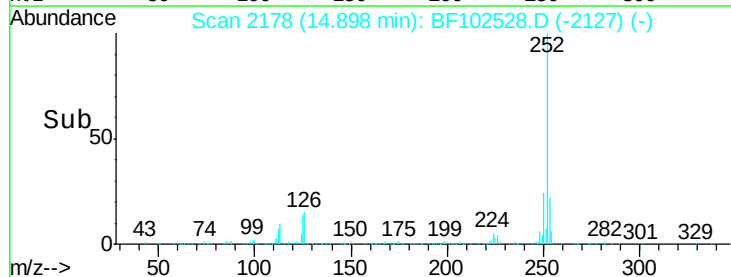
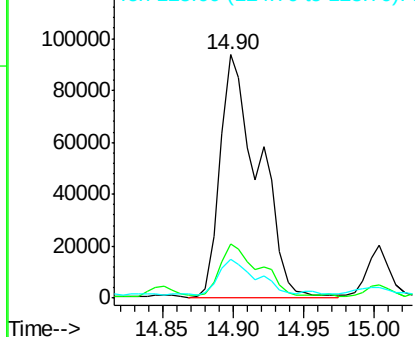


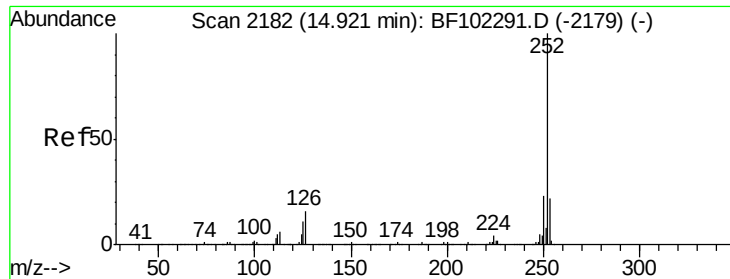
#87
Benzo(b)fluoranthene
Concen: 12.048 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	15.7	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

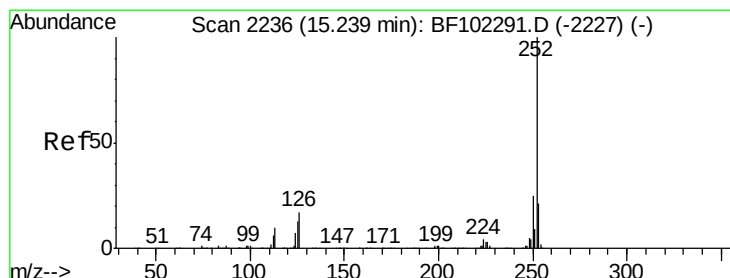
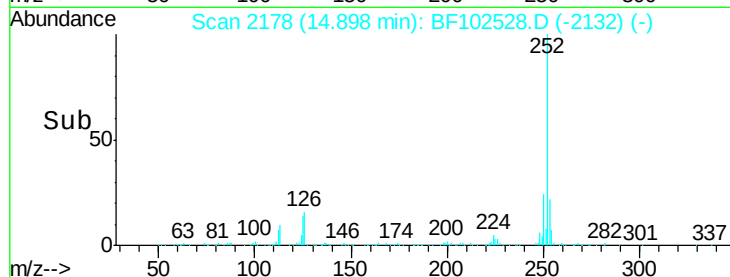
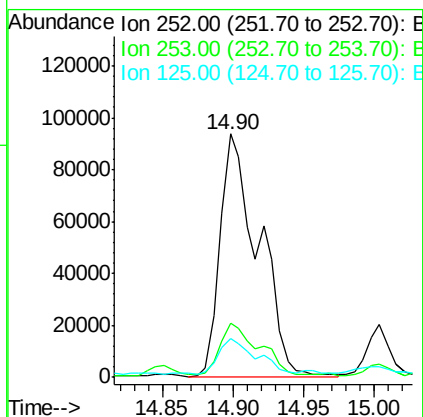
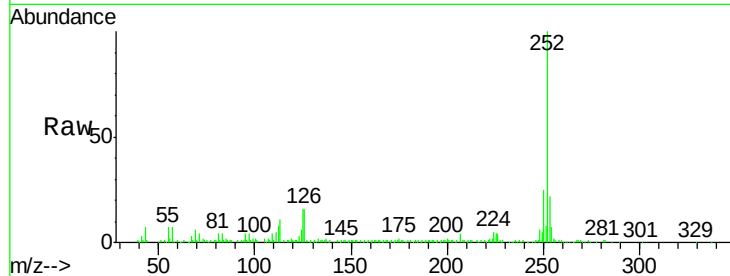




#88
Benzo(k)fluoranthene
Concen: 12.752 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

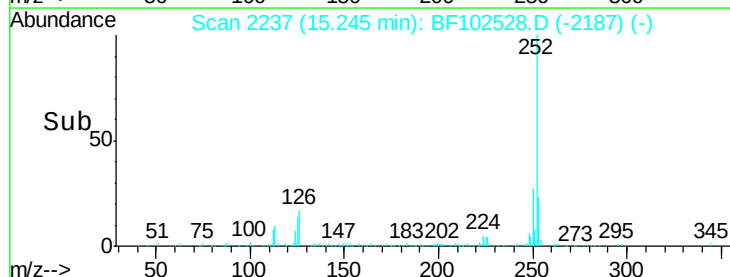
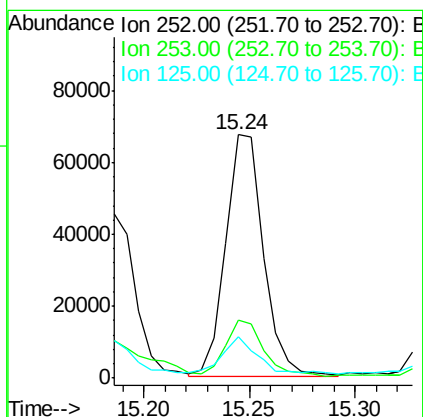
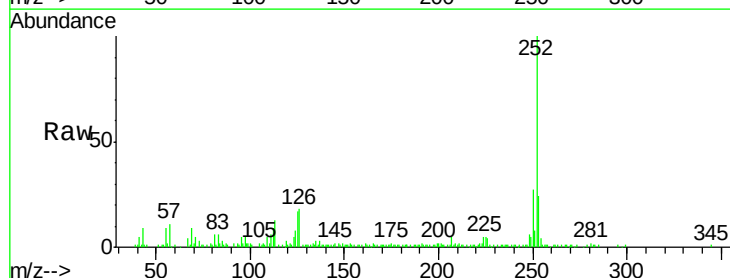
Instrument :
BNA_F
ClientSampleId :
SB-51-10.5-11.0

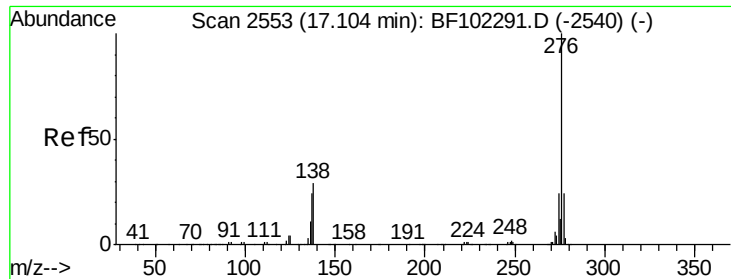
Tgt Ion:252 Resp: 178523
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 15.7 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.199 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF102528.D
Acq: 27 Jan 2018 23:24

Tgt Ion:252 Resp: 82848
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 16.8 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 3.085 ng

RT: 17.13 min Scan# 2557

Delta R.T. -0.01 min

Lab File: BF102528.D

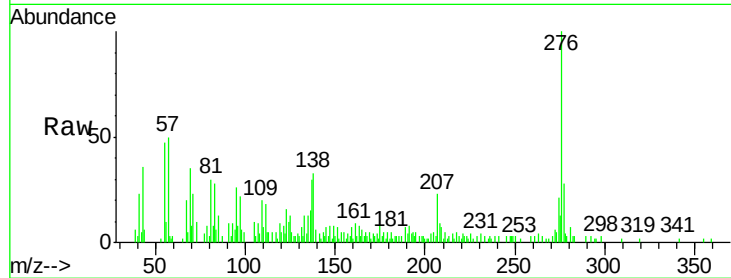
Acq: 27 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

SB-51-10.5-11.0



Tgt Ion:	276	Resp:	32970
Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	33.3	21.8	32.8#

