

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102578.D
 Acq On : 29 Jan 2018 00:39
 Operator : SJ/JU
 Sample : J1343-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 05:52:49 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

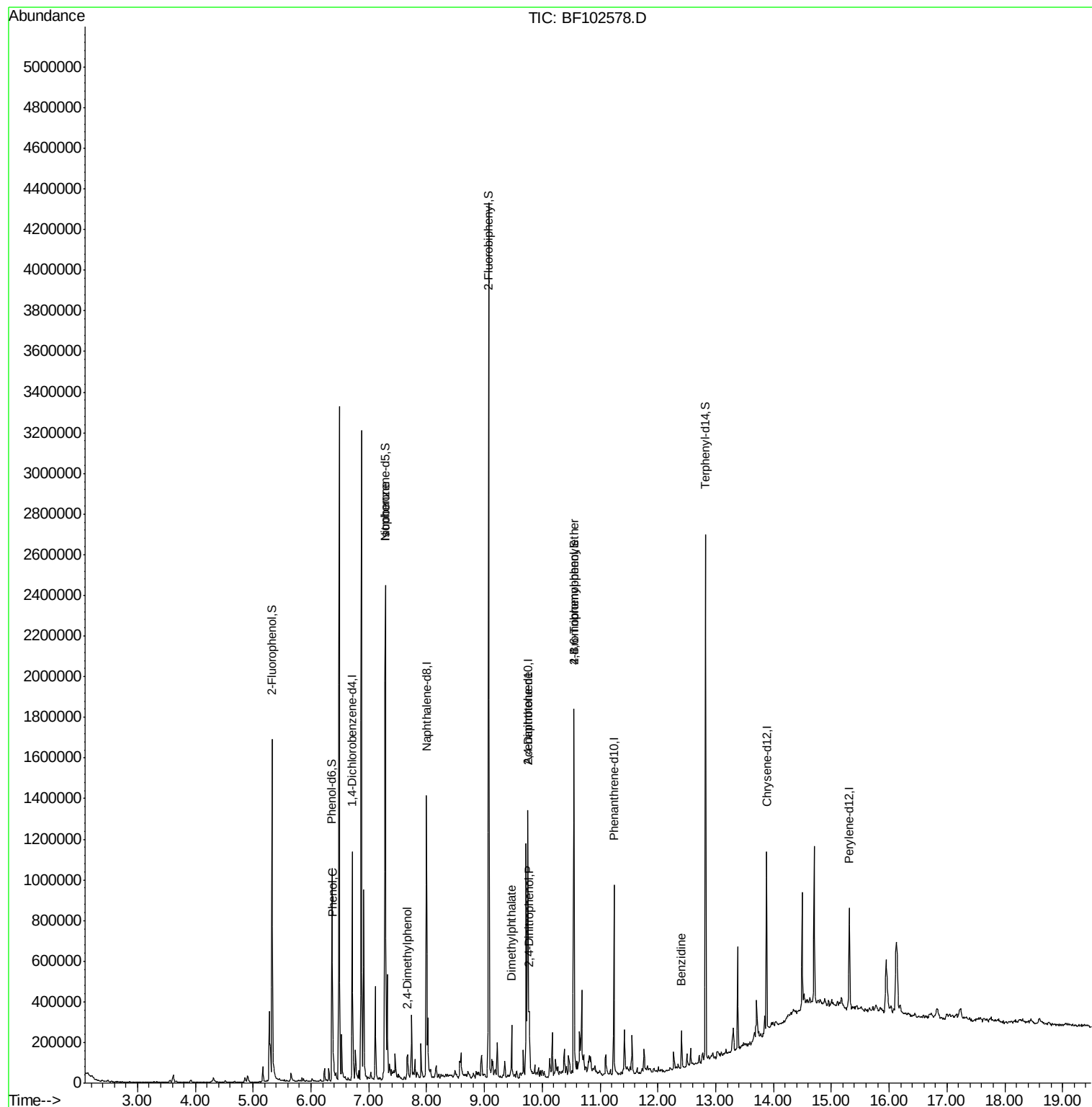
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	162650	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	634981	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	225353	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	320468	20.00	ng	0.00
75) Chrysene-d12	13.88	240	313146	20.00	ng	0.00
86) Perylene-d12	15.31	264	224824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	548842	51.16	ng	0.00
7) Phenol-d6	6.36	99	411159	31.79	ng	0.00
23) Nitrobenzene-d5	7.29	82	821178	74.32	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	189855	85.03	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1352574	88.25	ng	0.00
78) Terphenyl-d14	12.82	244	865139	62.28	ng	0.00
Target Compounds						
10) Phenol	6.37	94	38473	2.725	ng	87
25) Isophorone	7.29	82	817388	41.495	ng	# 64
27) 2,4-Dimethylphenol	7.67	122	22743	2.632	ng	95
49) Dimethylphthalate	9.47	163	89169	4.787	ng	100
53) 2,4-Dinitrophenol	9.77	184	926	4.186	ng	# 1
56) 2,4-Dinitrotoluene	9.75	165	29052	5.883	ng	# 24
66) 4-Bromophenyl-phenylether	10.55	248	12530	3.632	ng	# 1
76) Benzidine	12.41	184	67727	6.438	ng	# 86

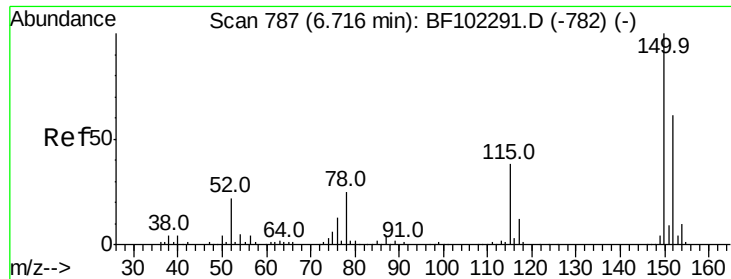
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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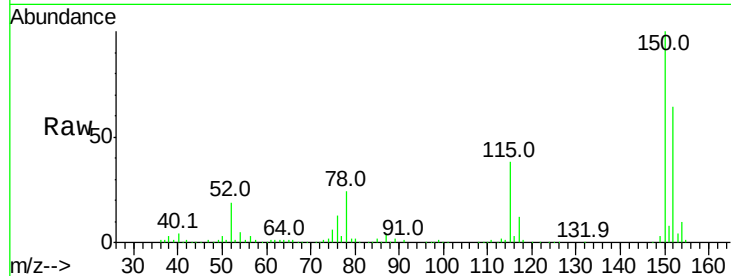


#1

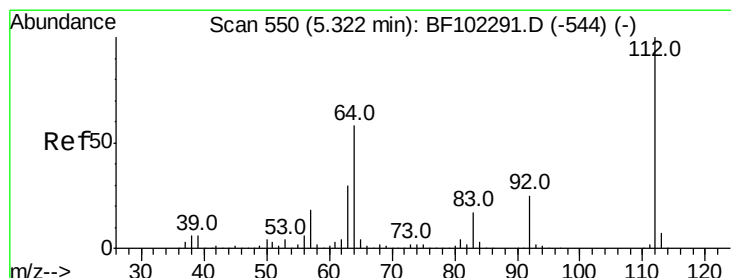
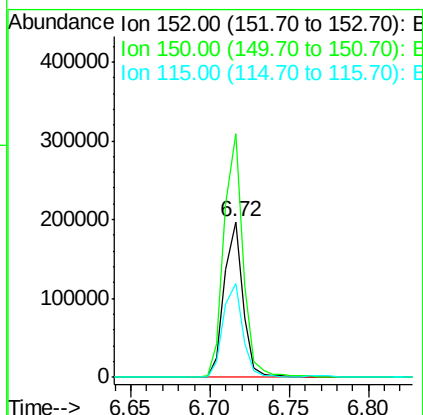
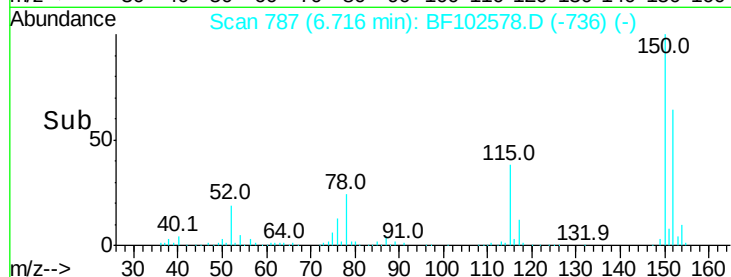
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162650
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 60.0 50.1 75.1



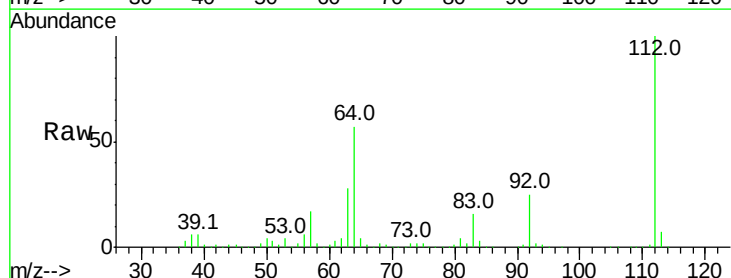
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



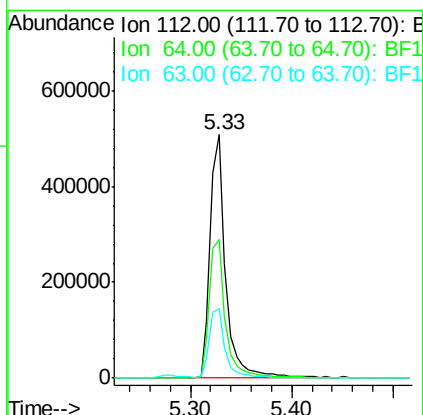
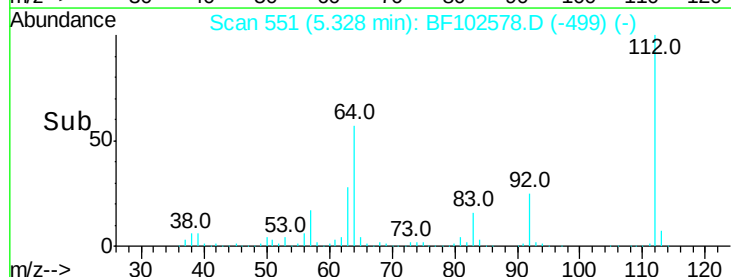
#5

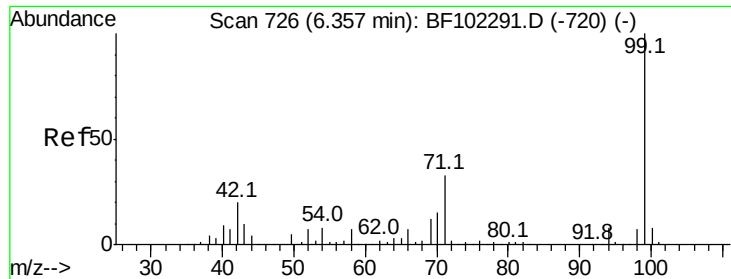
2-Fluorophenol
Concen: 51.164 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Tgt Ion:112 Resp: 548842
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 28.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 31.793 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

Instrument :

BNA_F

ClientSampleId :

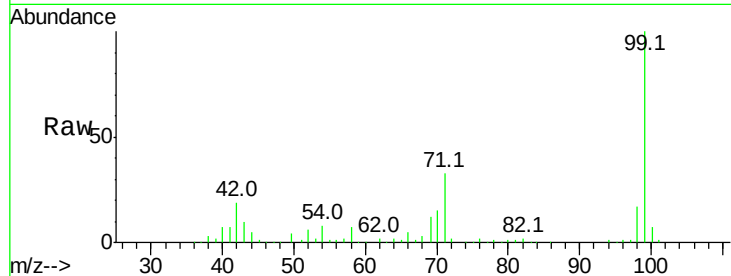
Tot Ion: 99 Resp: 411159

Ion Ratio Lower Upper

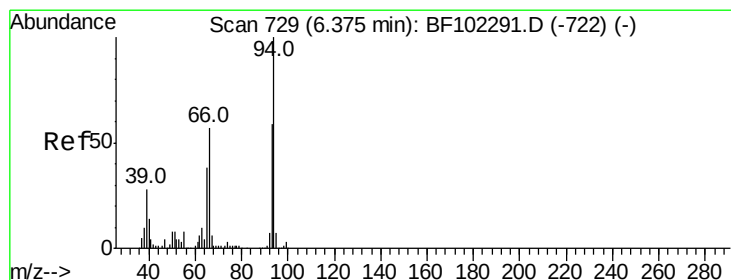
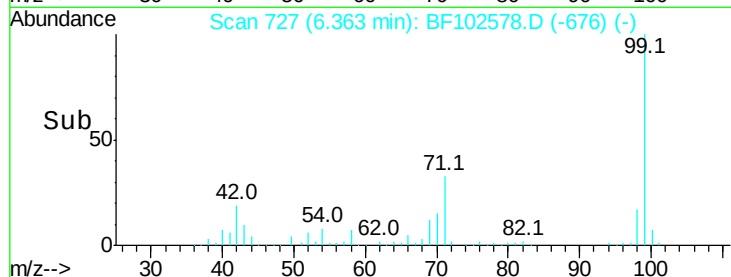
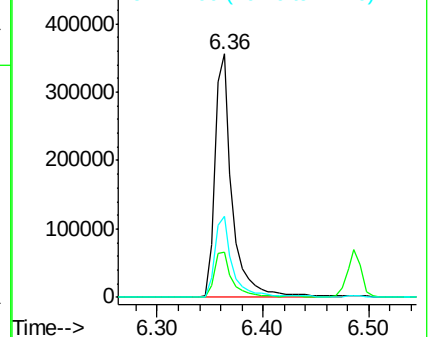
99 100

42 18.7 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



#10

Phenol

Concen: 2.725 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

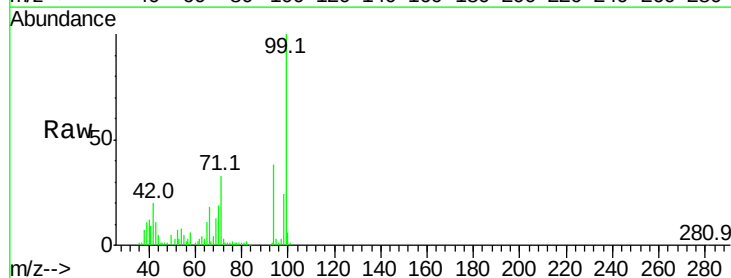
Tgt Ion: 94 Resp: 38473

Ion Ratio Lower Upper

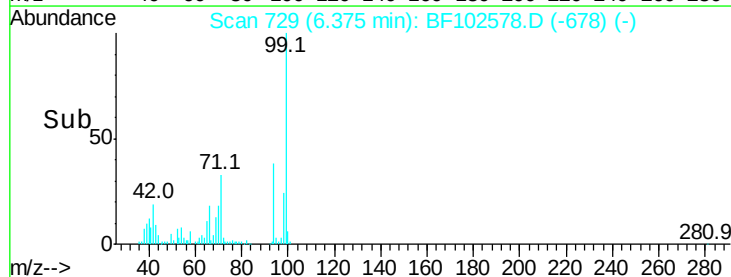
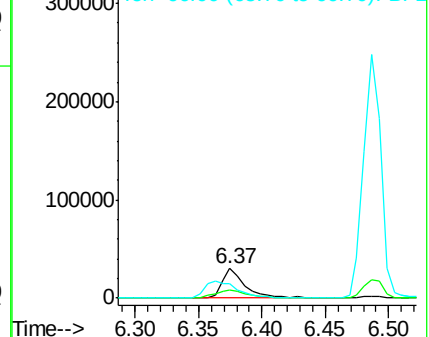
94 100

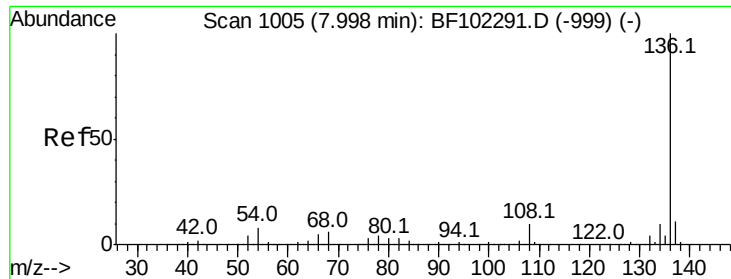
65 29.2 7.9 47.9

66 49.1 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

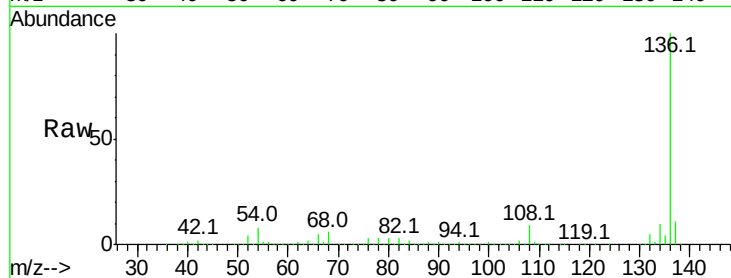




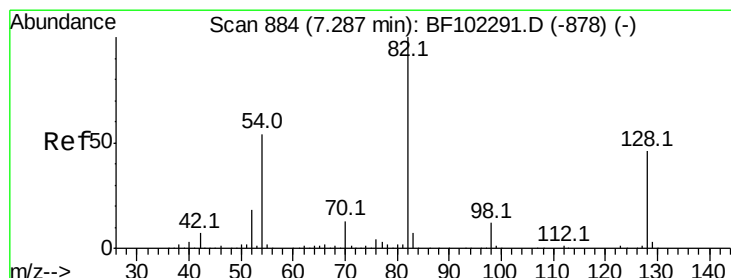
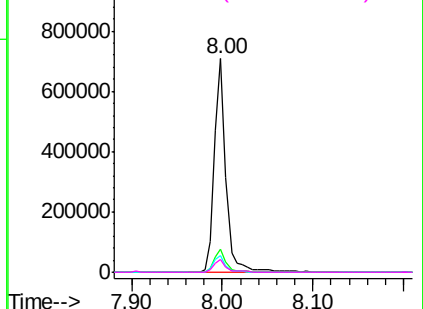
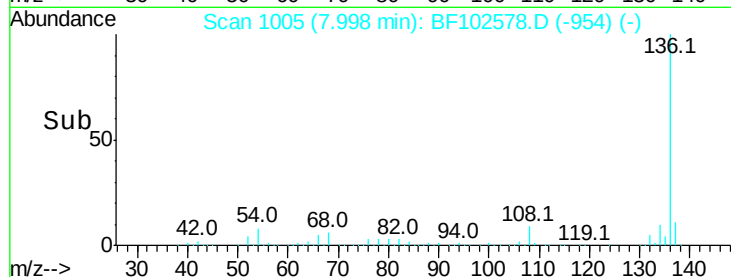
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	634981
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.9	6.6	9.8
68	5.9	5.0	7.4

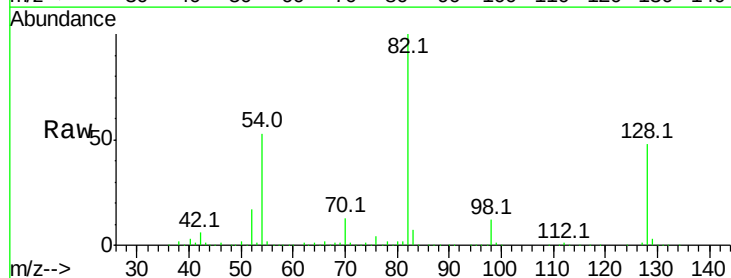


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

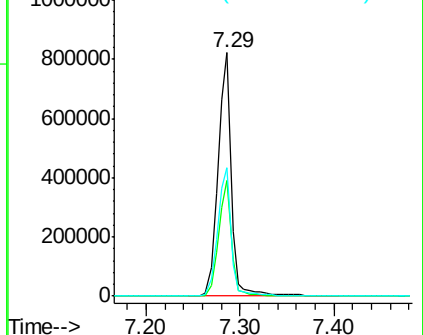
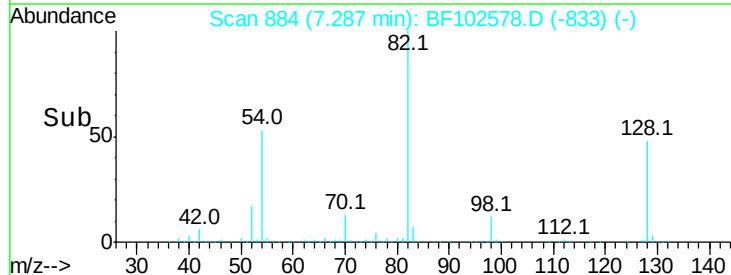


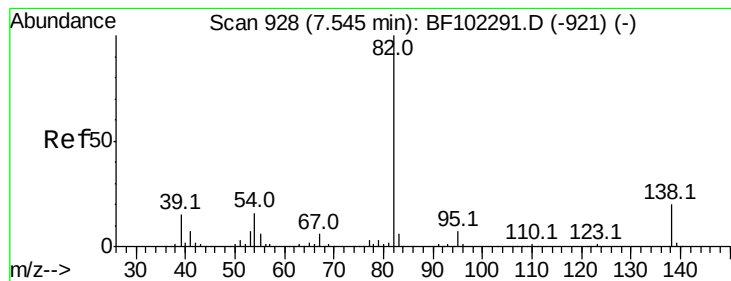
#23
Nitrobenzene-d5
Concen: 74.318 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Tgt Ion:	82	Resp:	821178
Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	52.6	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: 41.495 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

Instrument :

BNA_F

ClientSampleId :

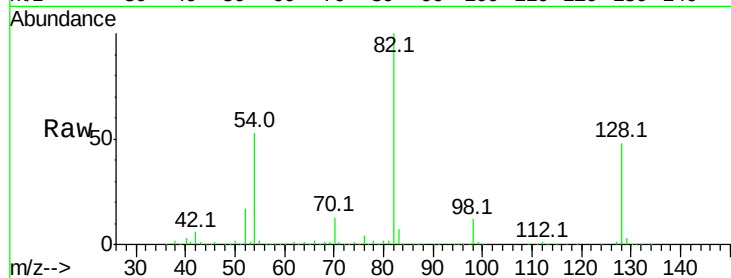
Tot Ion: 82 Resp: 817388

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

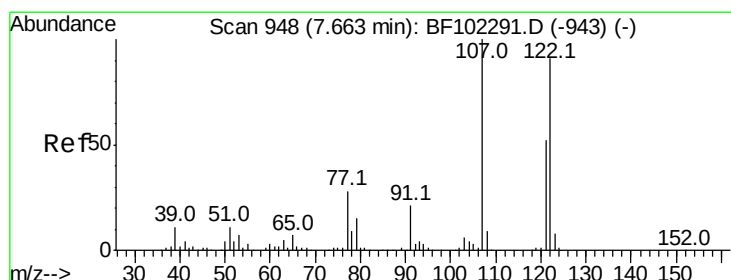
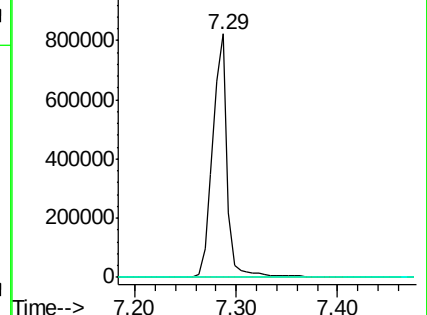
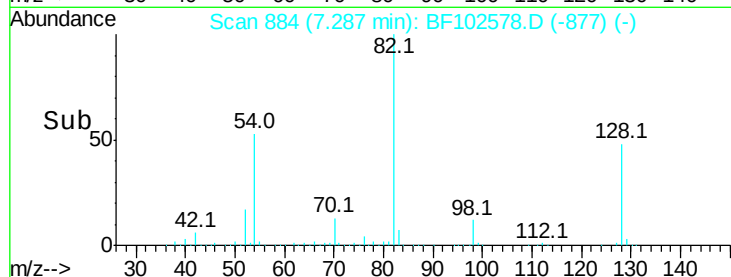
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 2.632 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

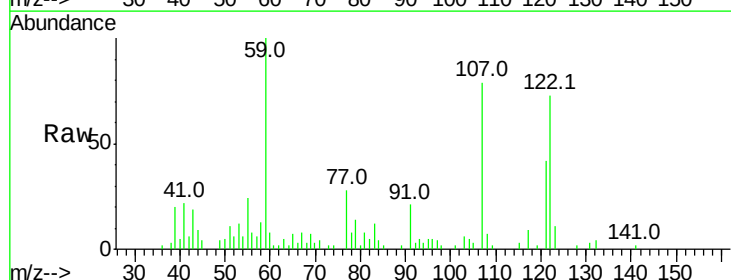
Tgt Ion:122 Resp: 22743

Ion Ratio Lower Upper

122 100

107 107.7 91.2 136.8

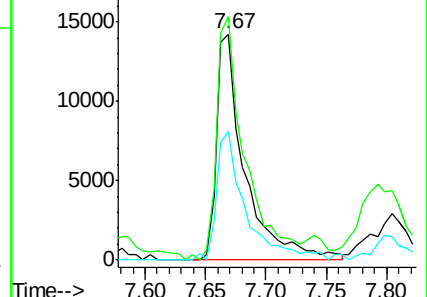
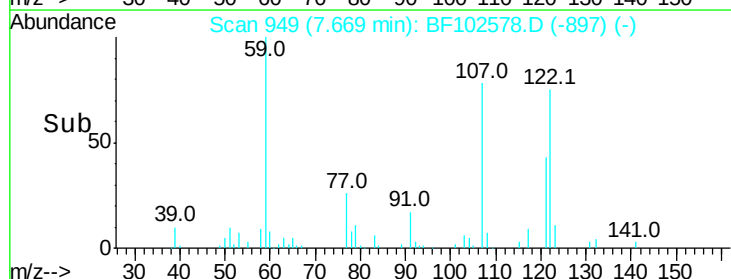
121 56.9 47.2 70.8

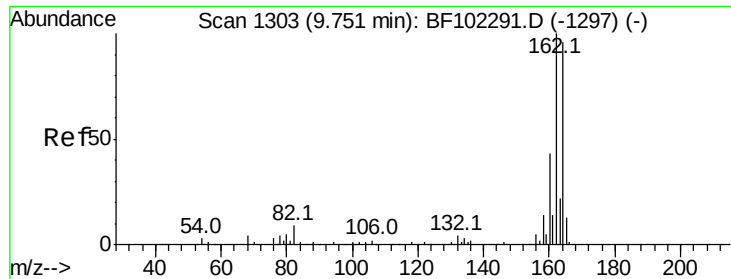


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

Instrument :

BNA_F

ClientSampleId :

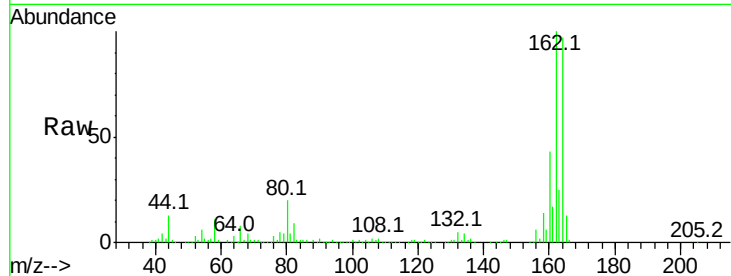
Tot Ion:164 Resp: 225353

Ion Ratio Lower Upper

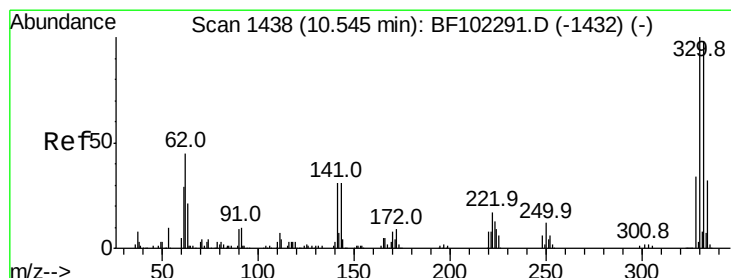
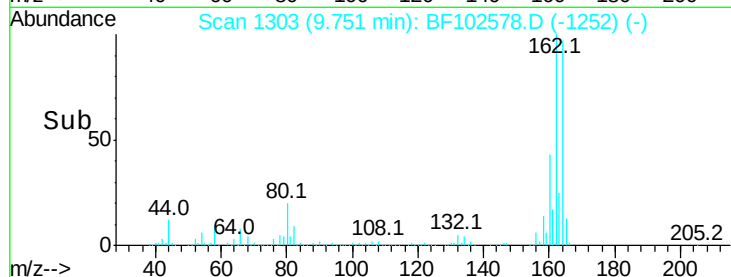
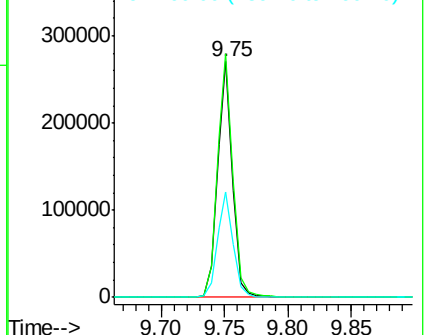
164 100

162 103.3 86.1 129.1

160 44.9 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: 85.025 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

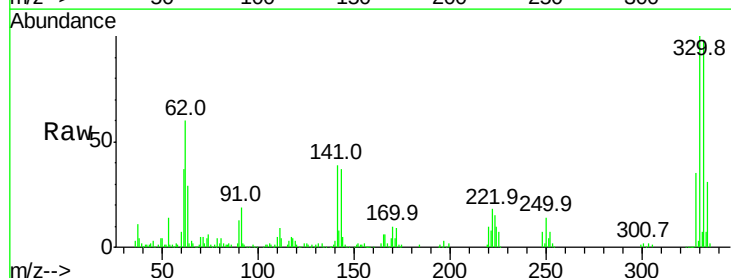
Tgt Ion:330 Resp: 189855

Ion Ratio Lower Upper

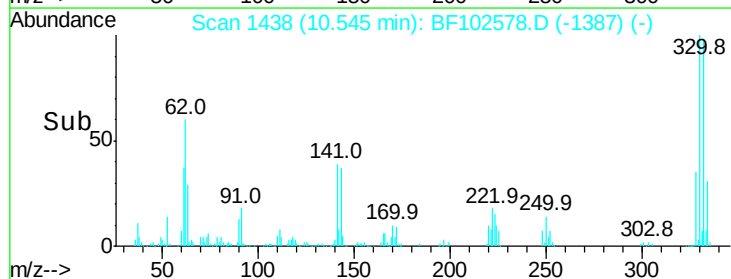
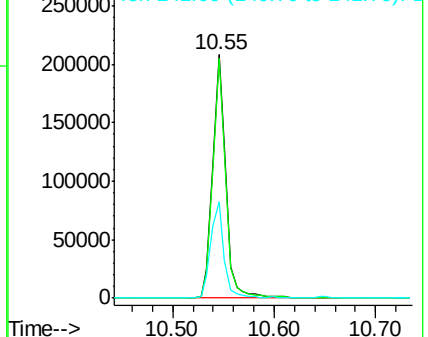
330 100

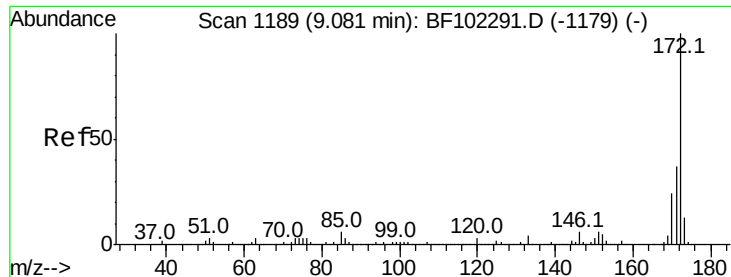
332 97.0 77.0 115.6

141 40.1 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

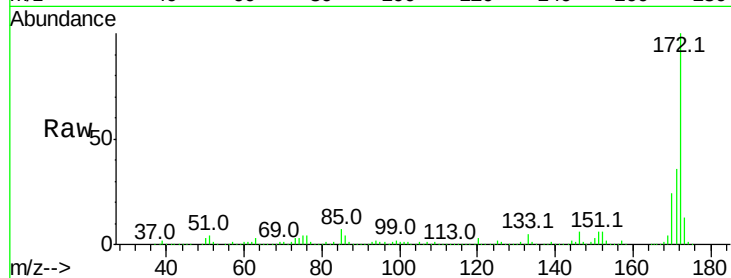




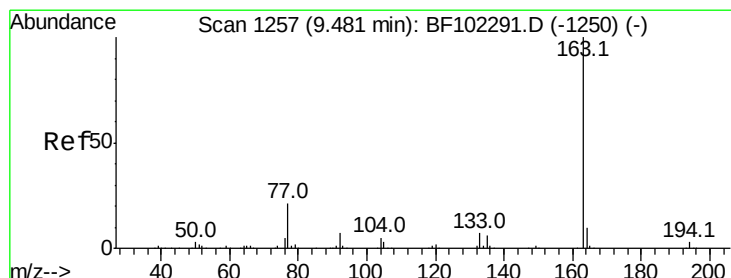
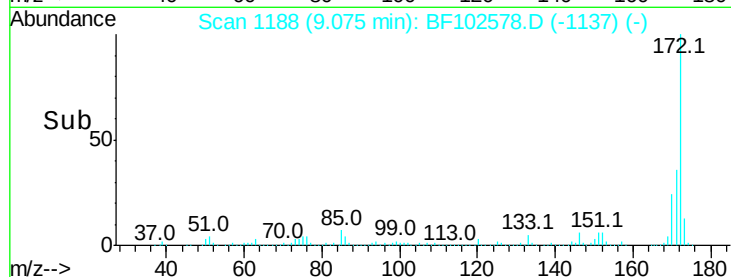
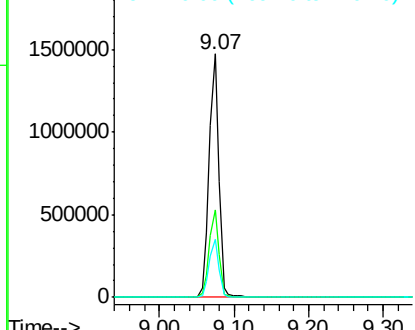
#44
2-Fluorobiphenyl
Concen: 88.251 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1352574
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.0 19.6 29.4

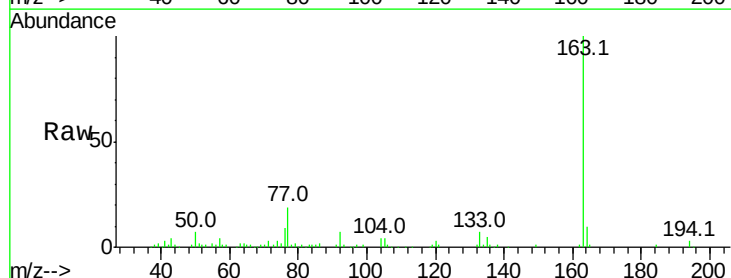


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

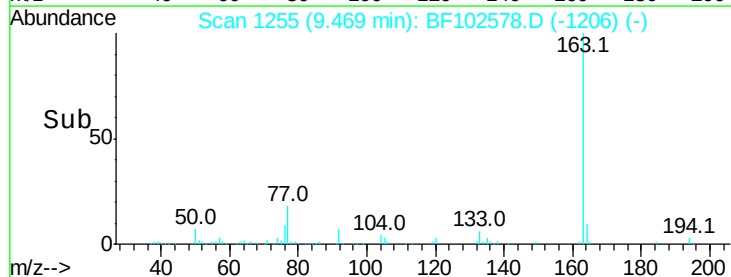
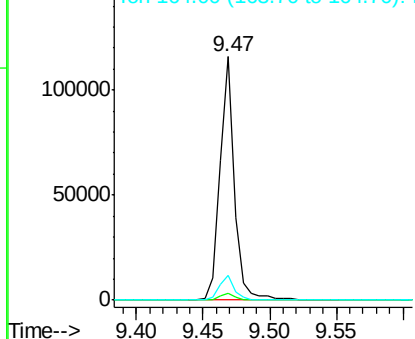


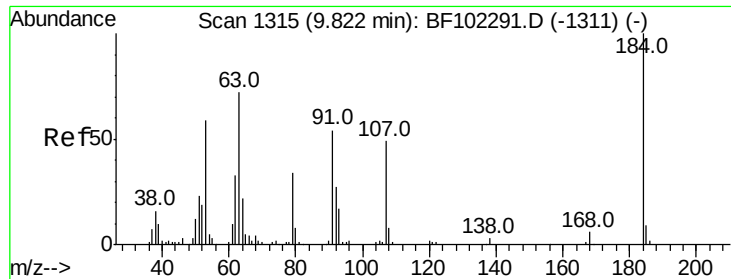
#49
Dimethylphthalate
Concen: 4.787 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Tgt Ion:163 Resp: 89169
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

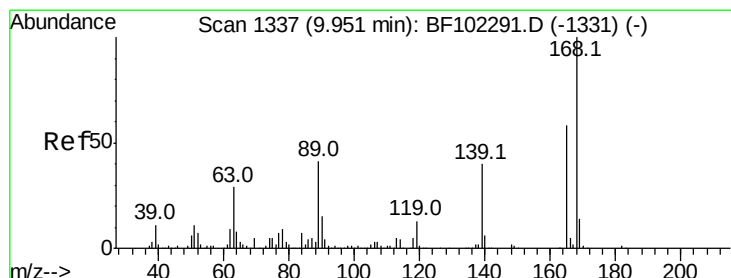
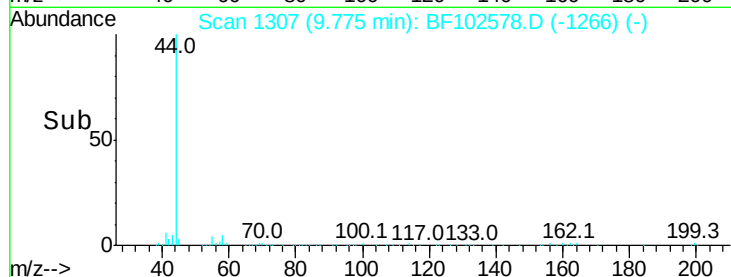
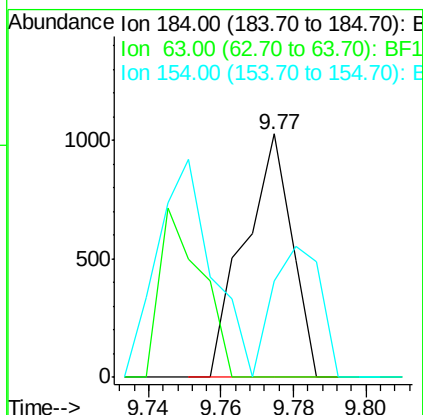
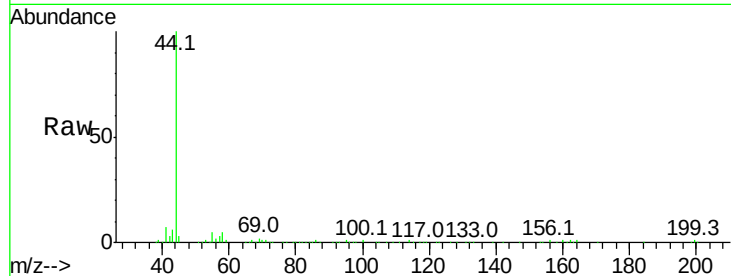




#53
2,4-Dinitrophenol
Concen: 4.186 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.06 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

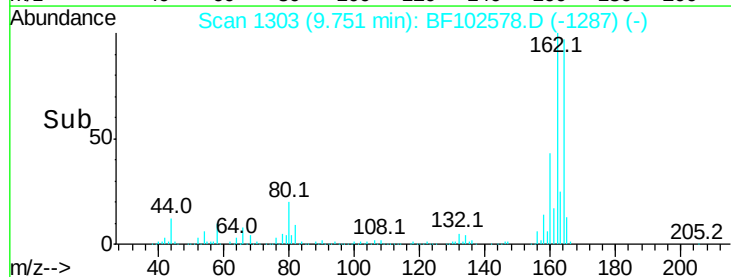
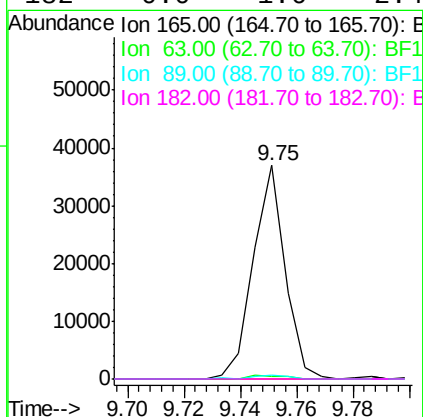
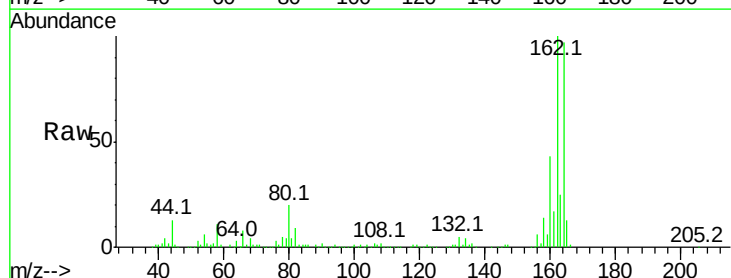
Instrument :
BNA_F
ClientSampled :

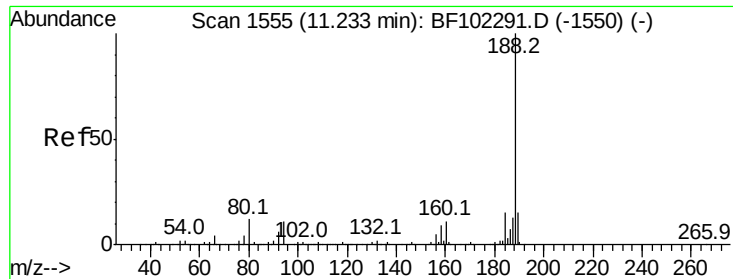
Tot Ion:184 Resp: 926
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 39.4 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 5.883 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Tgt Ion:165 Resp: 29052
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#

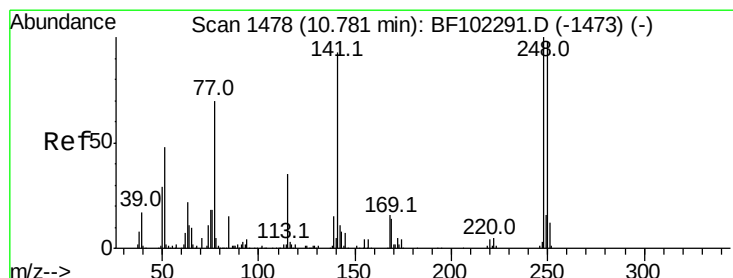
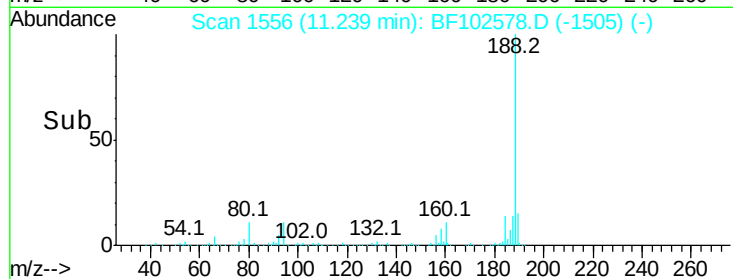
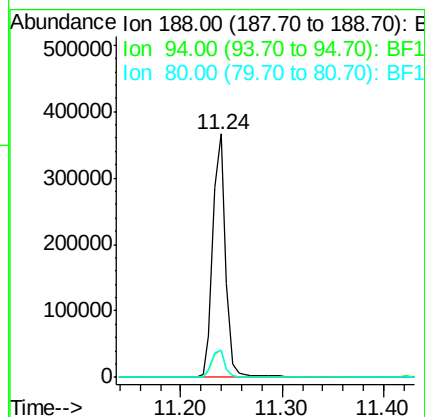
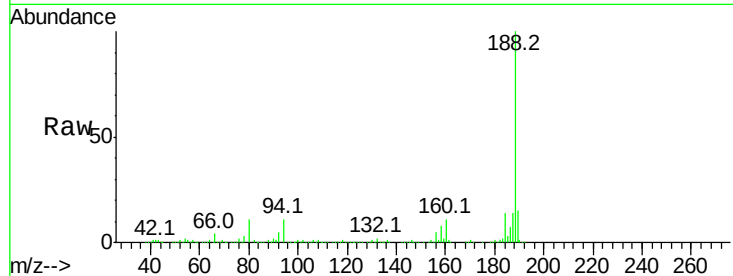




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

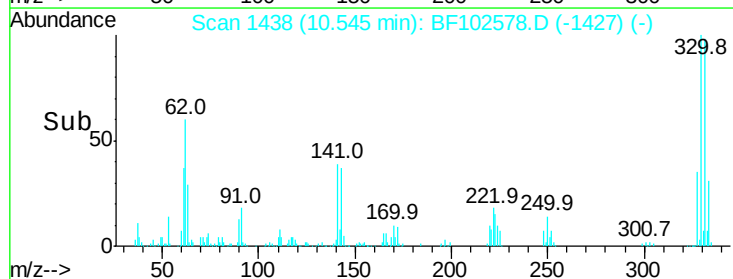
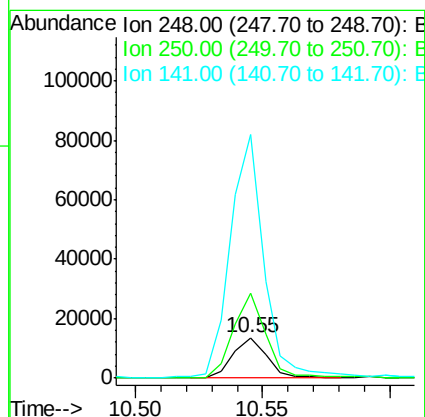
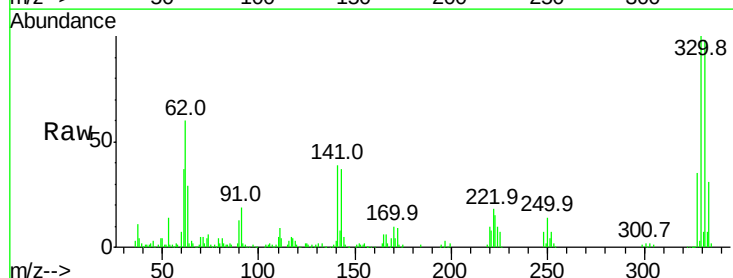
Instrument :
BNA_F
ClientSampled :

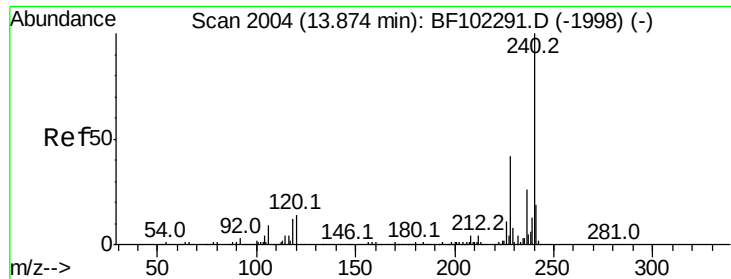
Tot Ion:188 Resp: 320468
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.632 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102578.D
Acq: 29 Jan 2018 00:39

Tgt Ion:248 Resp: 12530
Ion Ratio Lower Upper
248 100
250 208.1 76.9 115.3#
141 599.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

Instrument :

BNA_F

ClientSampleId :

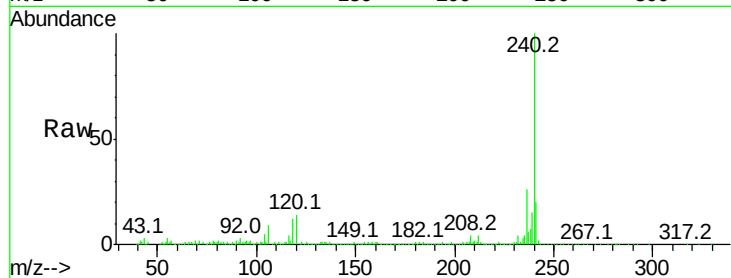
Tot Ion:240 Resp: 313146

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

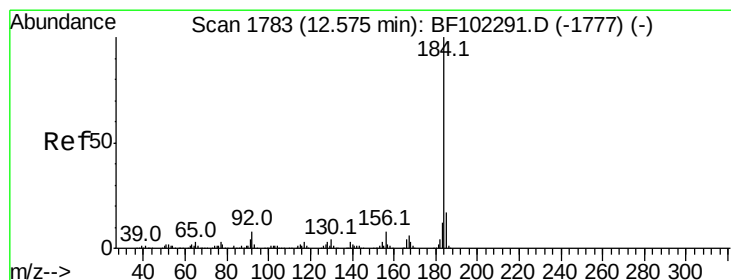
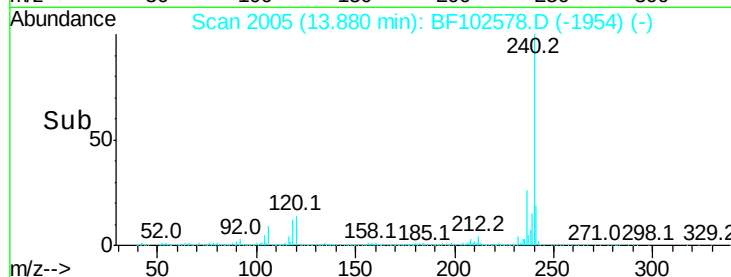
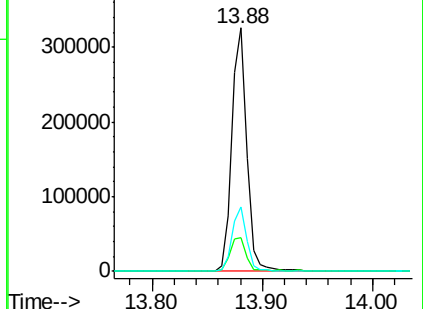
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 6.438 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.16 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

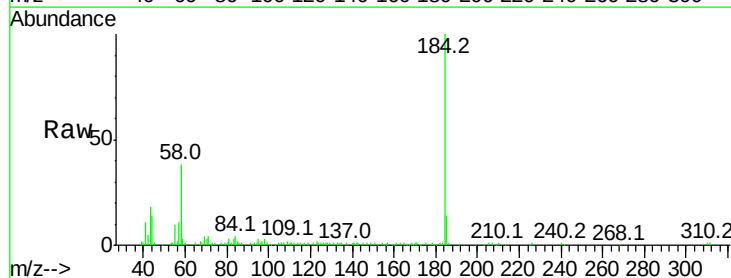
Tgt Ion:184 Resp: 67727

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

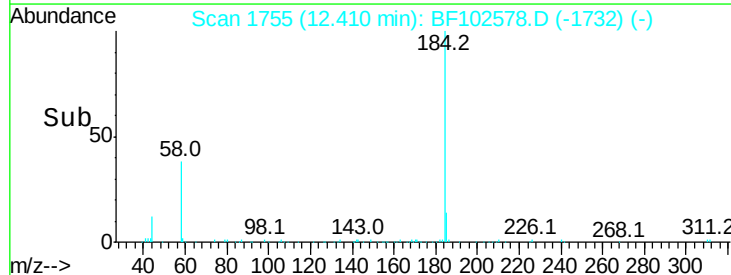
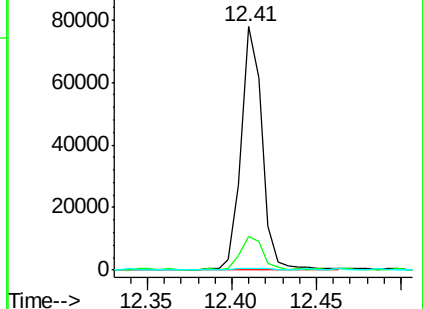
183 0.9 9.3 13.9#

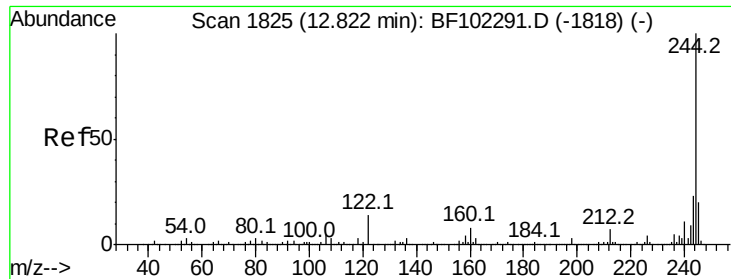


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 62.282 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

Instrument :

BNA_F

ClientSampleId :

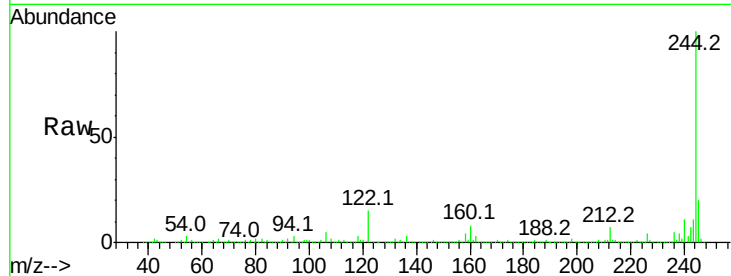
Tot Ion:244 Resp: 865139

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

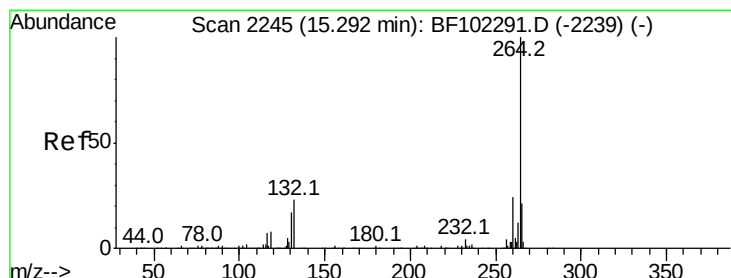
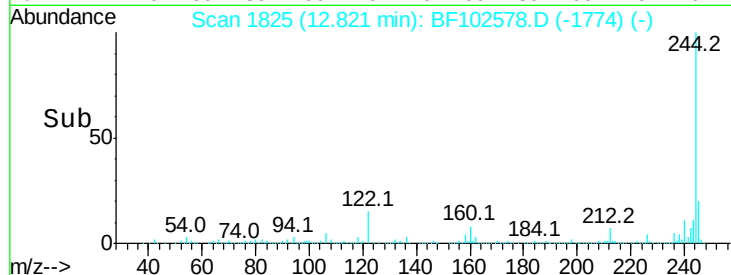
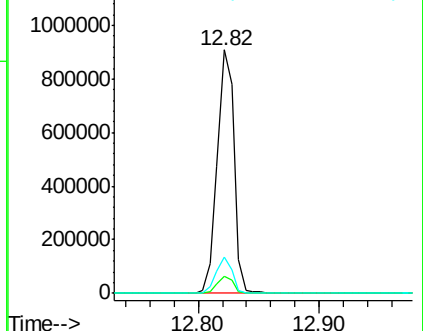
122 14.9 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102578.D

Acq: 29 Jan 2018 00:39

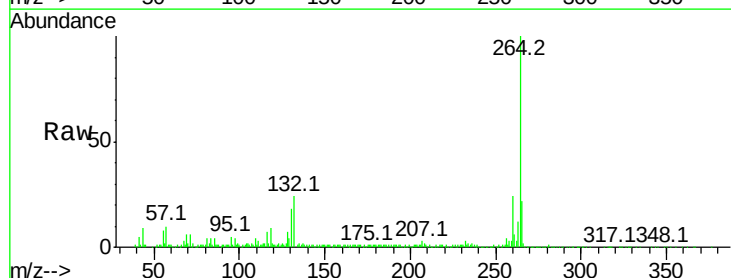
Tgt Ion:264 Resp: 224824

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 22.4 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

