

Data Path : U:\HPCHEM1\BNA F\DATA\BF012718\
 Data File : BF102543.D
 Acq On : 28 Jan 2018 7:02
 Operator : SJ/JU
 Sample : PB106115BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 28 23:55:10 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

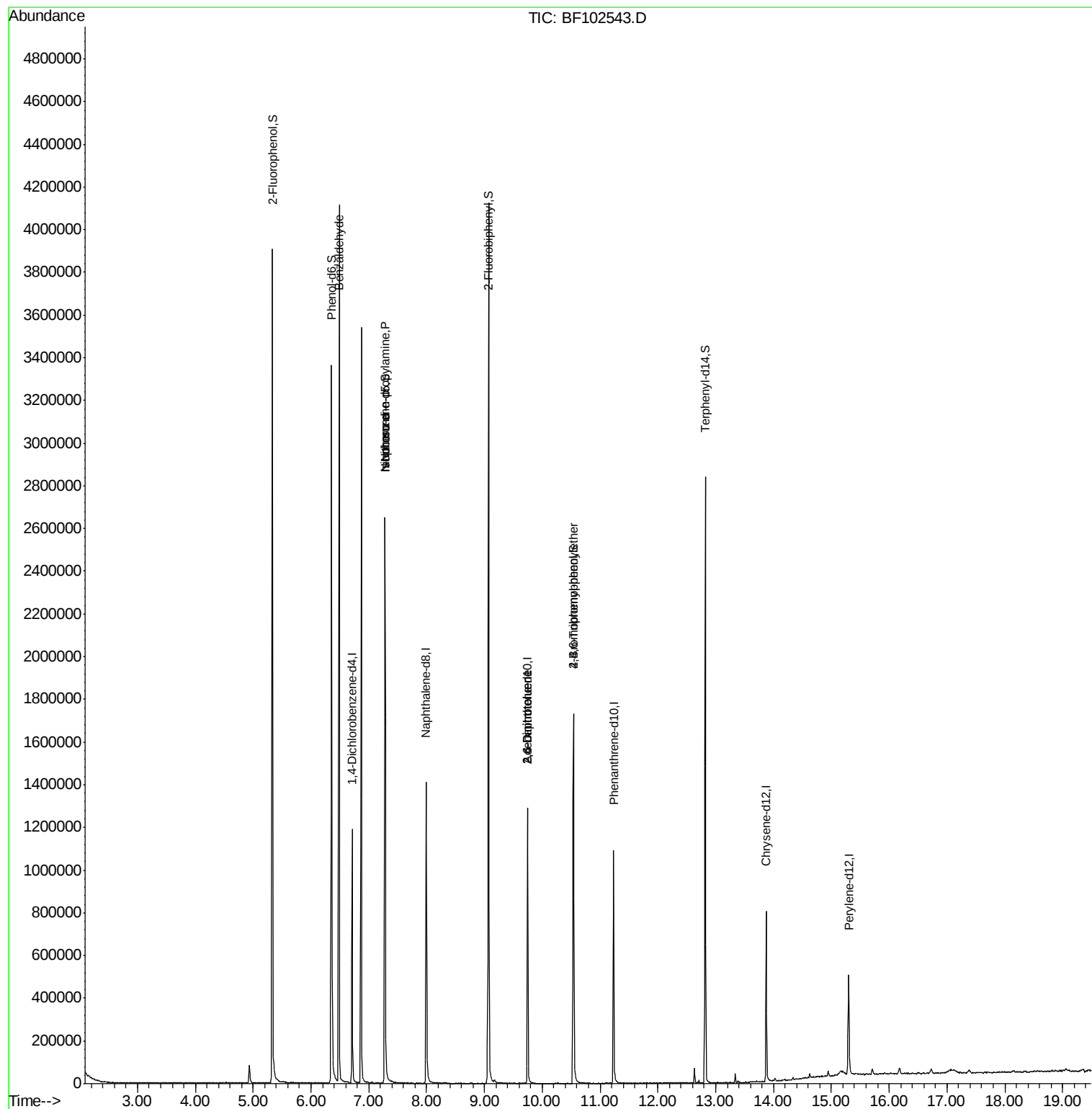
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171505	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	711791	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	266020	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	413167	20.00	ng	0.00
75) Chrysene-d12	13.87	240	291733	20.00	ng	0.00
86) Perylene-d12	15.30	264	210853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1238708	109.51	ng	0.01
7) Phenol-d6	6.36	99	1476484	108.27	ng	0.00
23) Nitrobenzene-d5	7.28	82	933458	75.36	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	206581	78.37	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1494030	82.58	ng	0.00
78) Terphenyl-d14	12.82	244	1027209	79.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	25120	2.662	ng	85
19) n-Nitroso-di-n-propylamine	7.28	70	123321	14.778	ng	# 80
25) Isophorone	7.28	82	933449	42.273	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	33720	7.113	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	33720	5.784	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	13895	3.124	ng	# 1

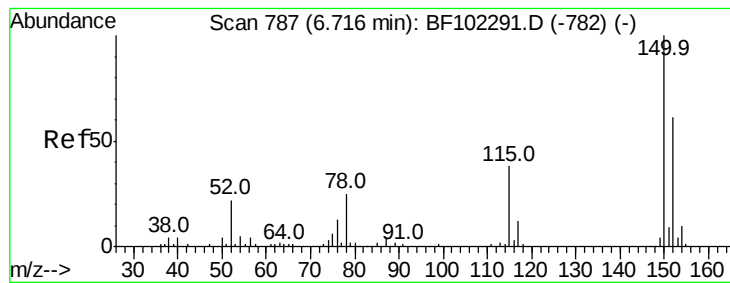
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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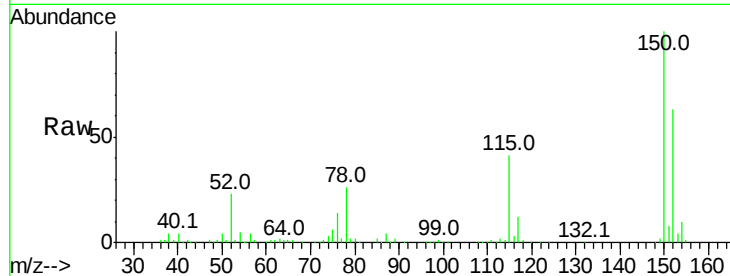


#1

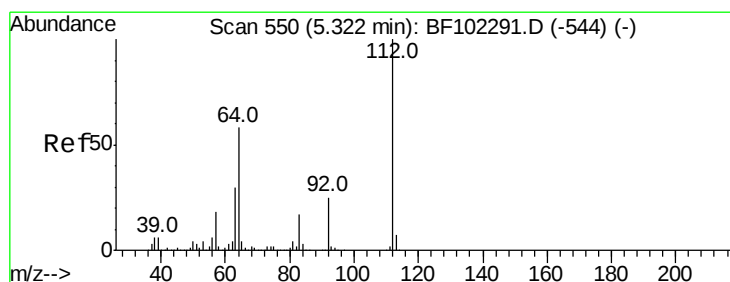
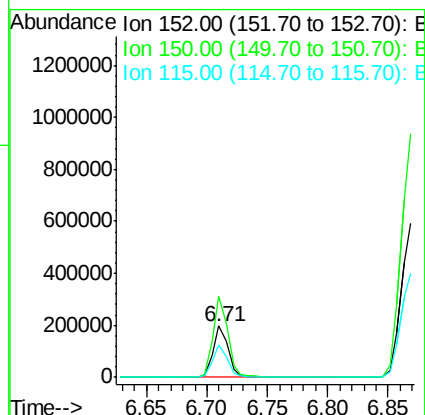
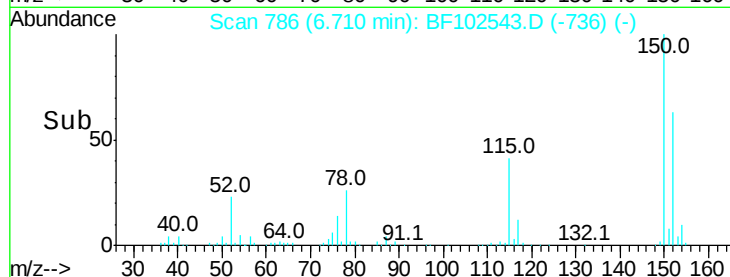
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 171505
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 64.5 50.1 75.1



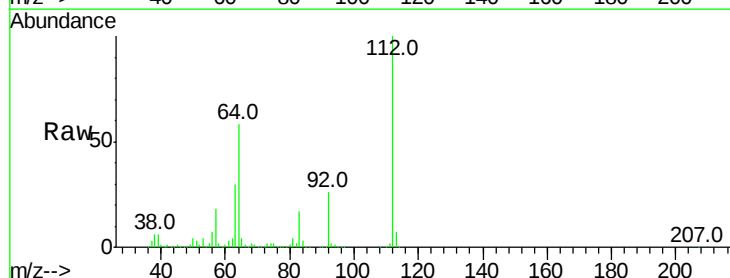
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



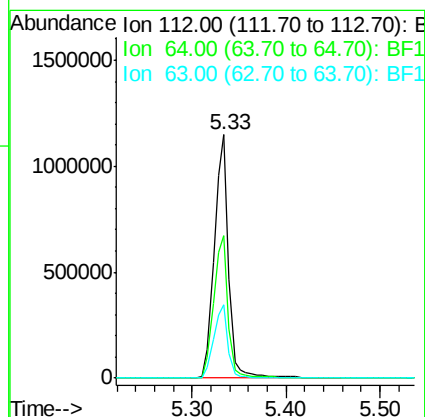
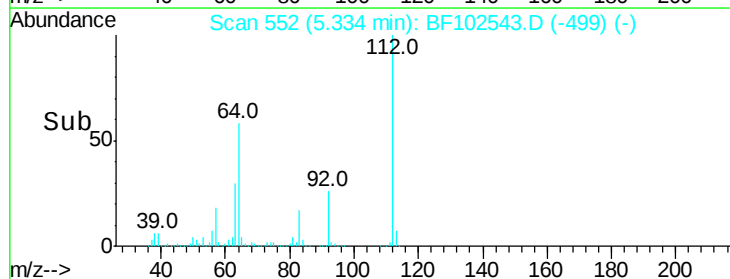
#5

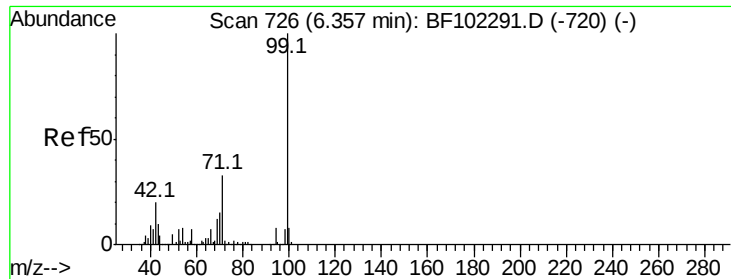
2-Fluorophenol
Concen: 109.513 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Tgt Ion:112 Resp: 1238708
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 30.2 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: 108.274 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102543.D

Acq: 28 Jan 2018 7:02

Instrument :

BNA_F

ClientSampleId :

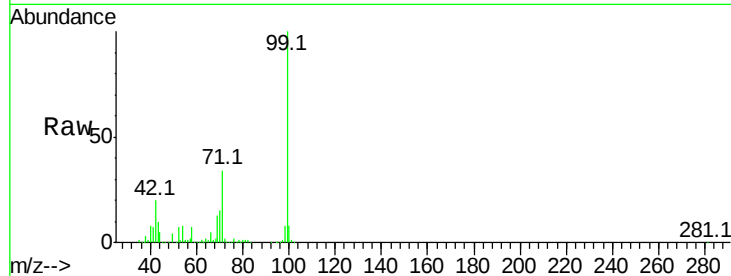
Tot Ion: 99 Resp: 1476484

Ion Ratio Lower Upper

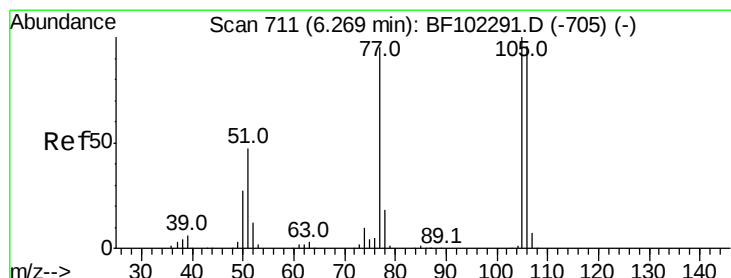
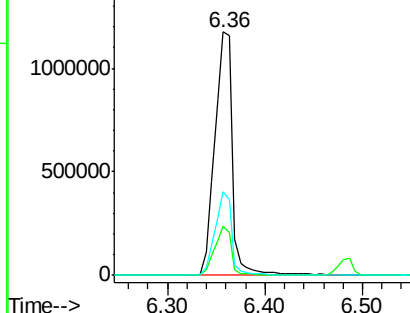
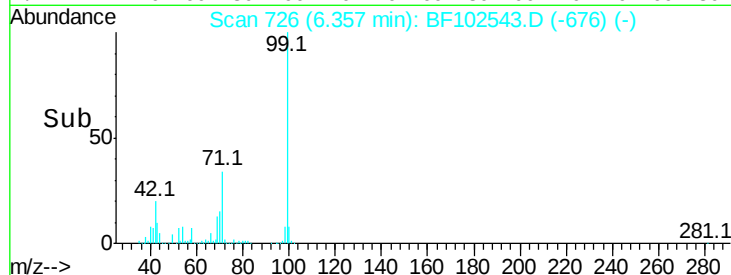
99 100

42 20.1 14.5 21.7

71 34.3 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



#9

Benzaldehyde

Concen: 2.662 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102543.D

Acq: 28 Jan 2018 7:02

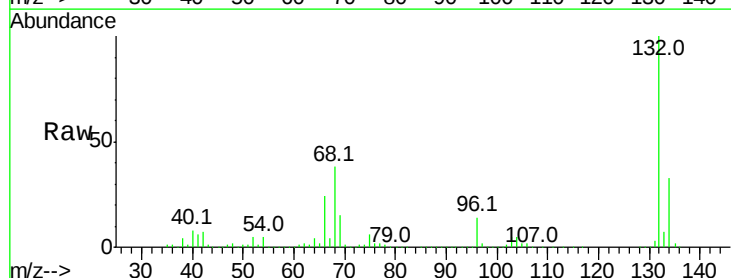
Tgt Ion: 77 Resp: 25120

Ion Ratio Lower Upper

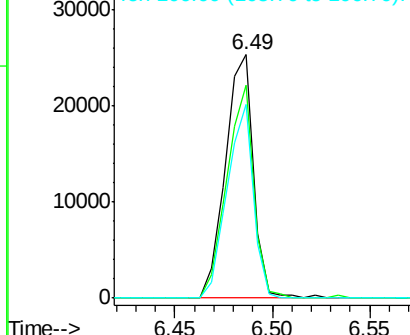
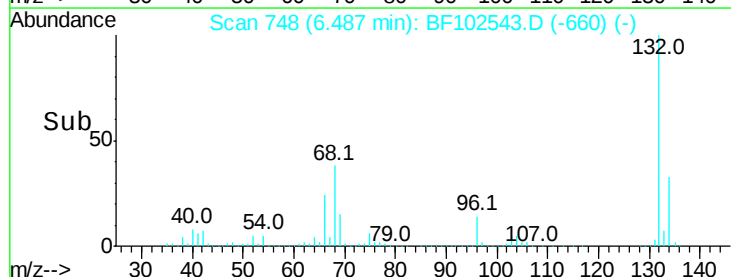
77 100

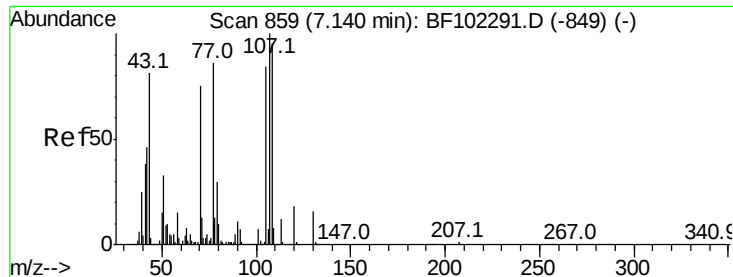
105 87.2 81.1 121.1

106 79.7 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

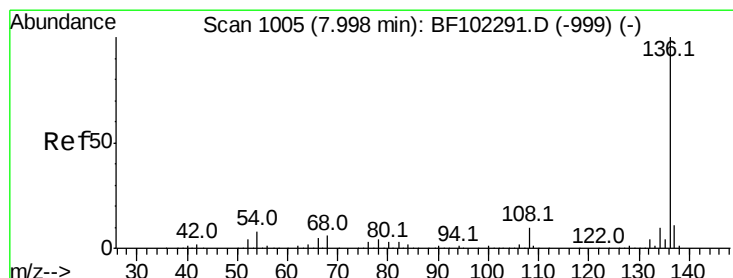
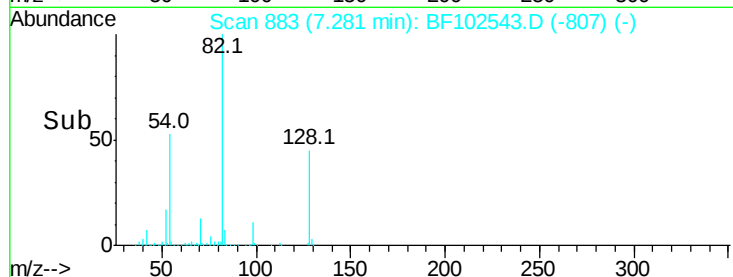
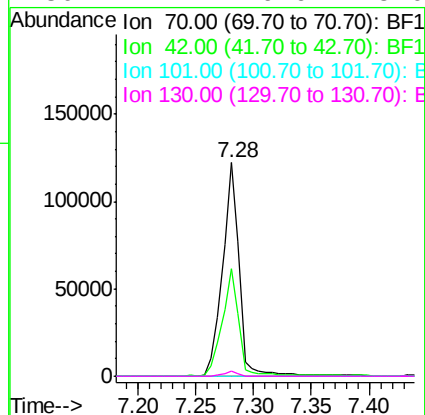
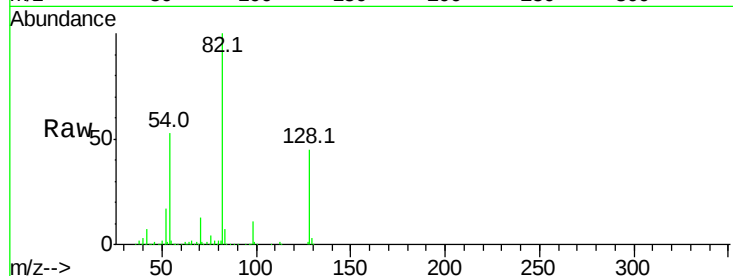




#19
n-Nitroso-di-n-propylamine
Concen: 14.778 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

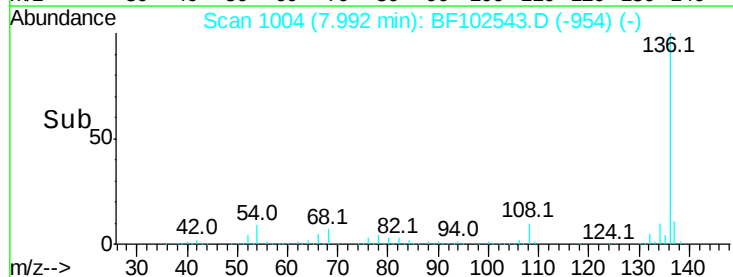
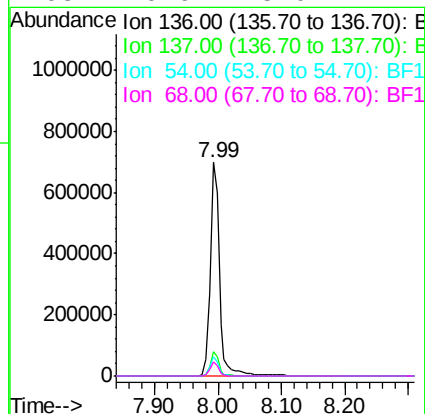
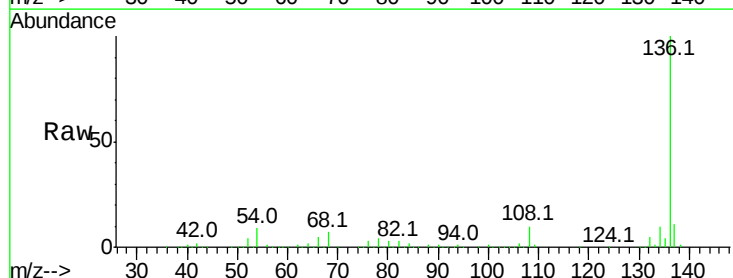
Instrument :
BNA_F
ClientSampleId :

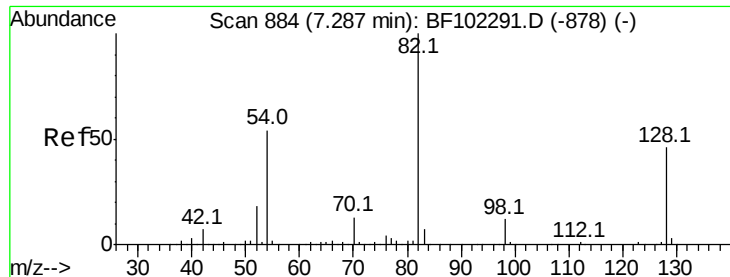
Tot Ion	Ratio	Lower	Upper
70	100		
42	50.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.6	9.8
68	6.6	5.0	7.4

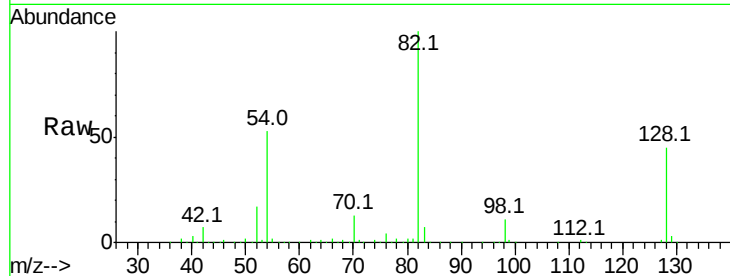




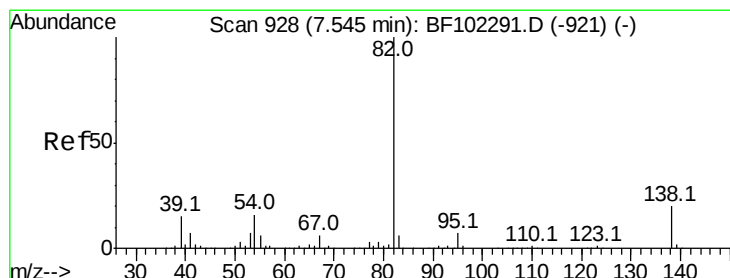
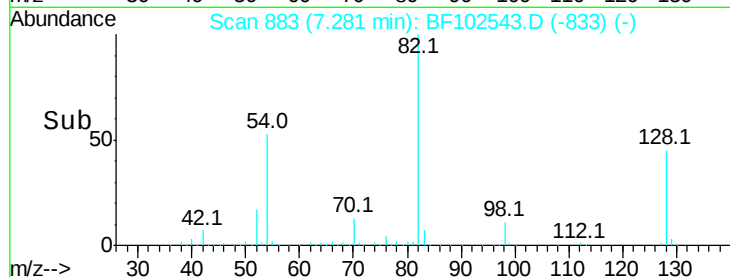
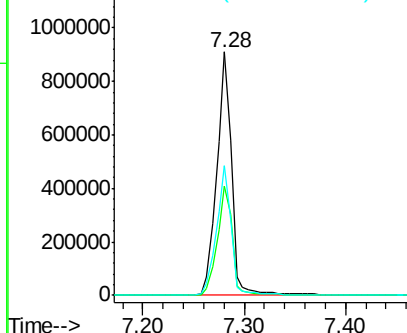
#23
Nitrobenzene-d5
Concen: 75.363 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	933458
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	53.2	41.4	62.2

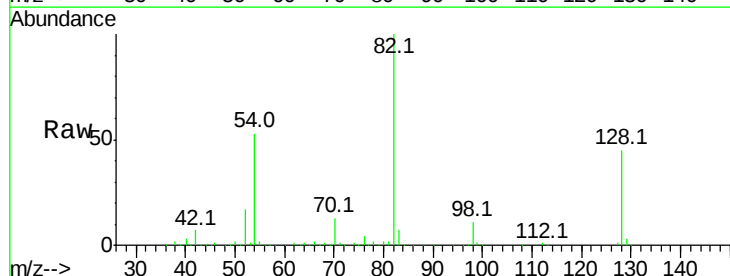


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

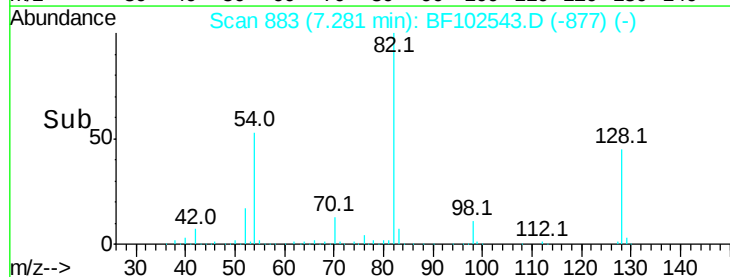
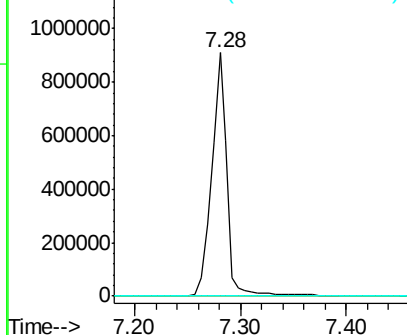


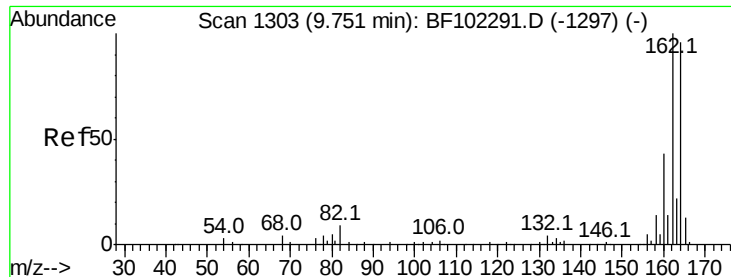
#25
Isophorone
Concen: 42.273 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Tgt Ion	82	Resp	933449
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

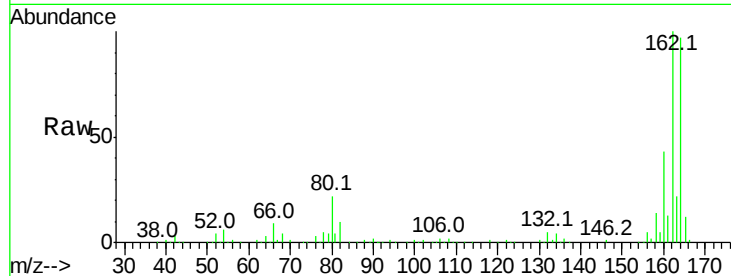




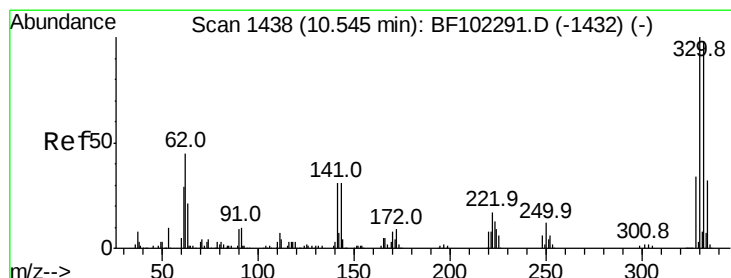
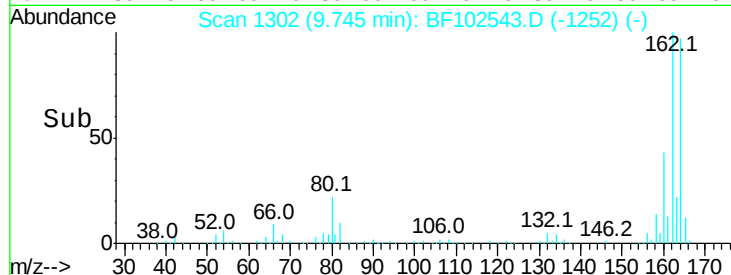
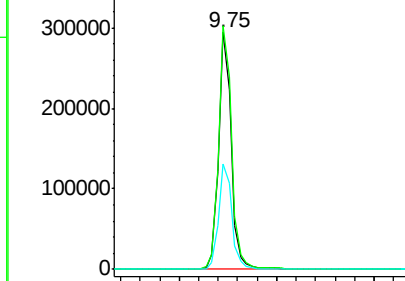
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 266020
Ion Ratio Lower Upper
164 100
162 102.8 86.1 129.1
160 44.4 38.3 57.5

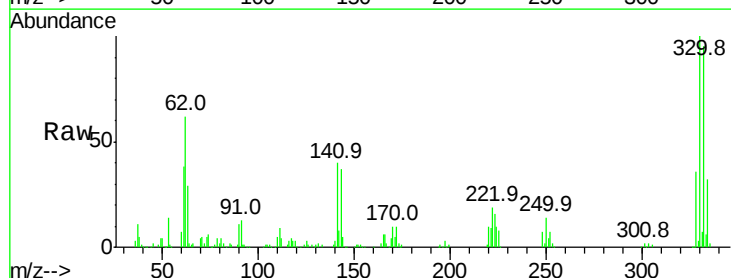


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

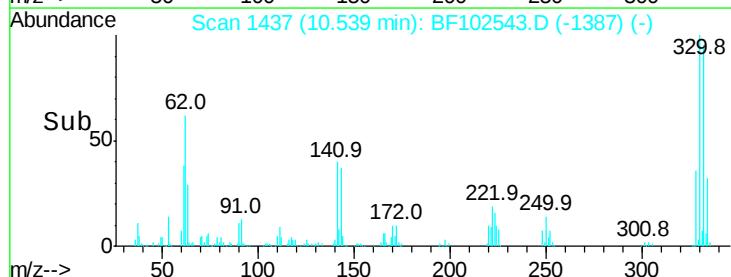
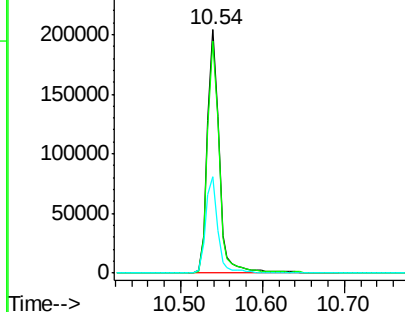


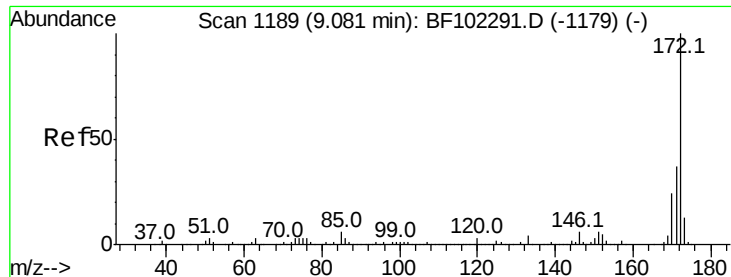
#41
2,4,6-Tribromophenol
Concen: 78.373 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Tgt Ion:330 Resp: 206581
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.6
141 40.3 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



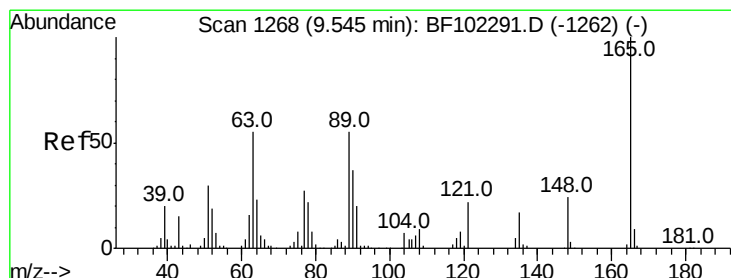
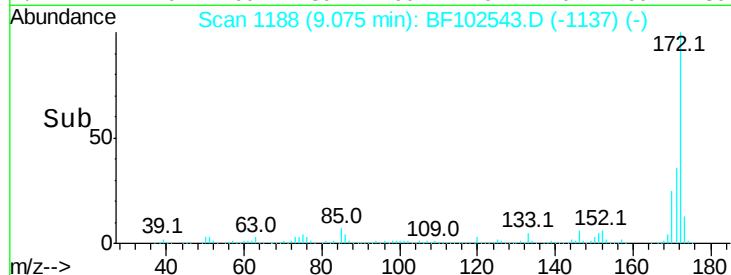
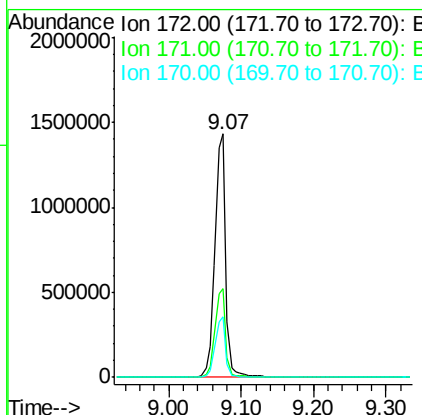
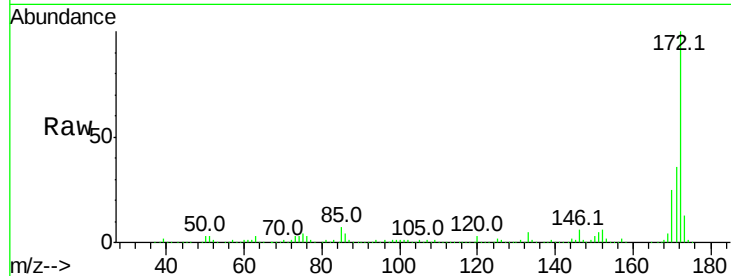


#44
 2-Fluorobiphenyl
 Concen: 82.578 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF102543.D
 Acq: 28 Jan 2018 7:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1494030

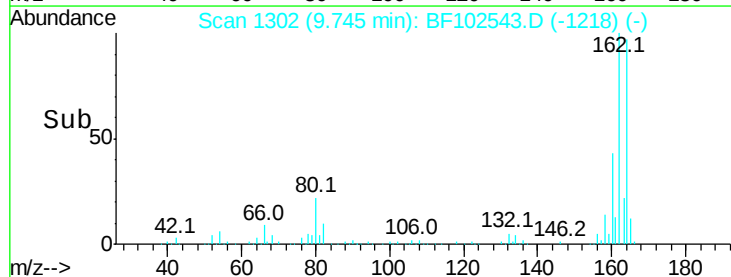
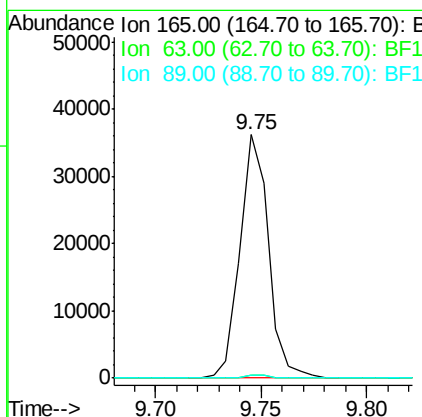
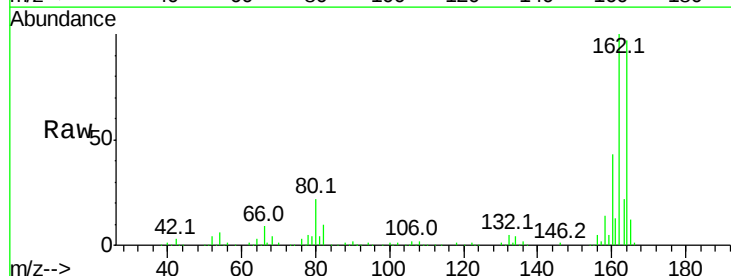
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.8	19.6	29.4

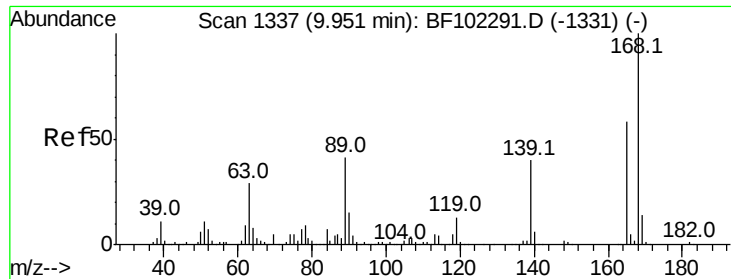


#50
 2,6-Dinitrotoluene
 Concen: 7.113 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.19 min
 Lab File: BF102543.D
 Acq: 28 Jan 2018 7:02

Tgt Ion:165 Resp: 33720

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#

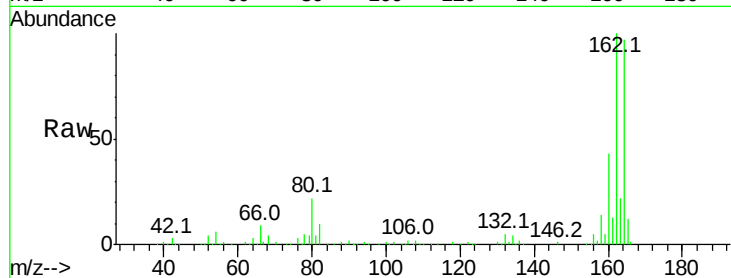




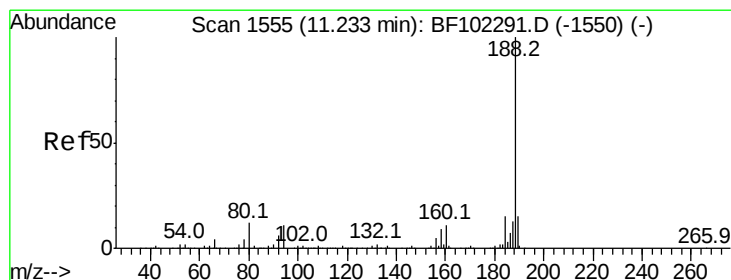
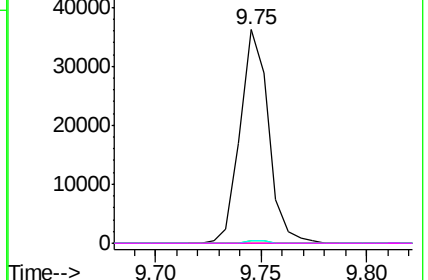
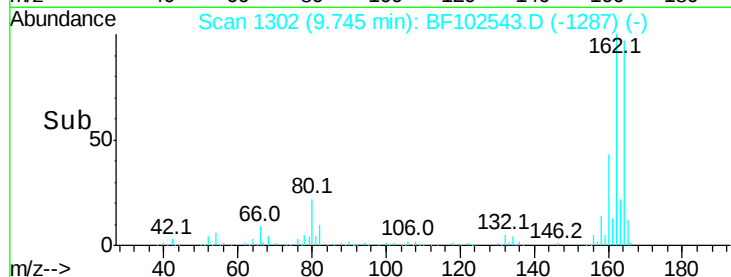
#56
2,4-Dinitrotoluene
Concen: 5.784 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.21 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 33720
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

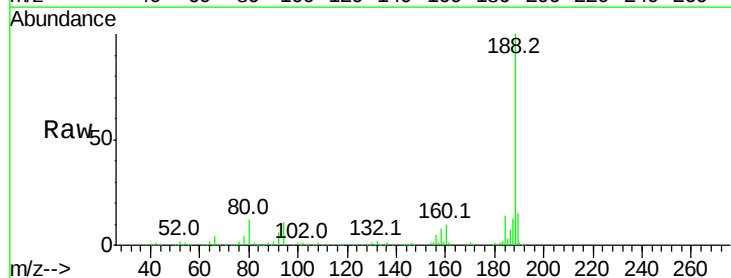


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

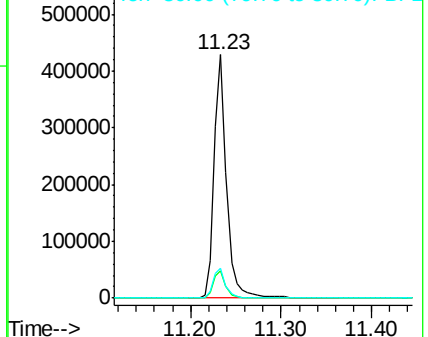
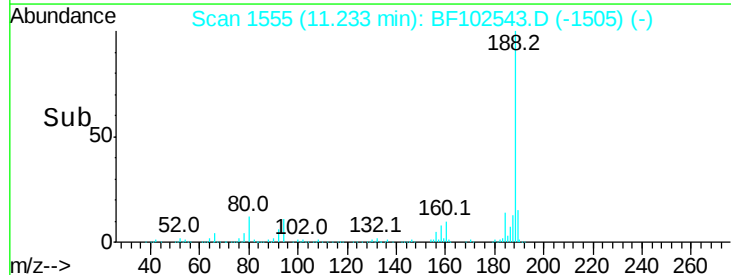


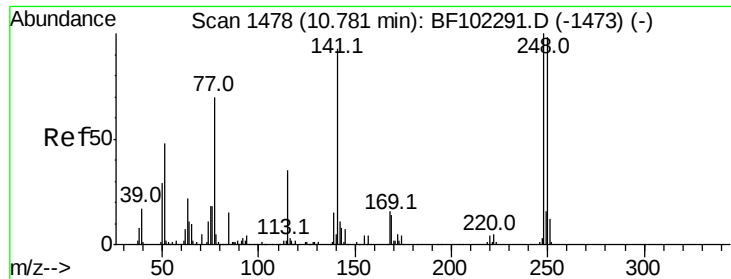
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102543.D
Acq: 28 Jan 2018 7:02

Tgt Ion:188 Resp: 413167
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 12.2 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

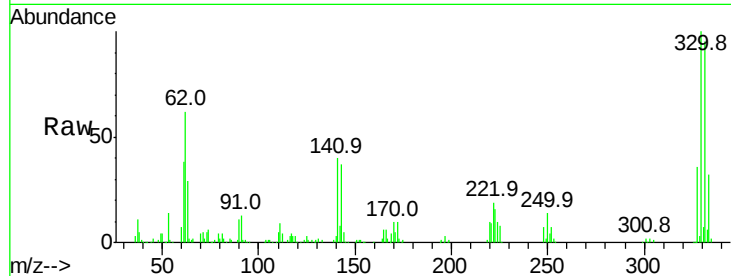




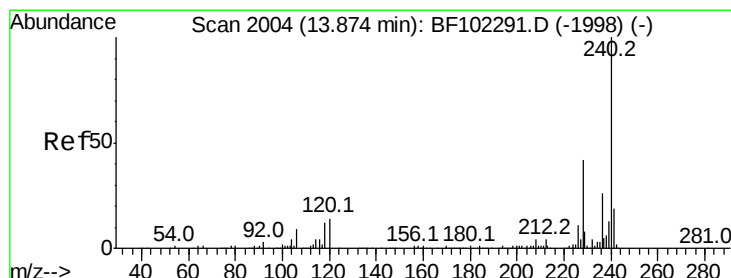
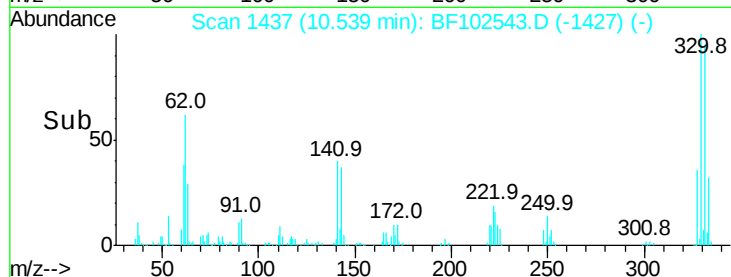
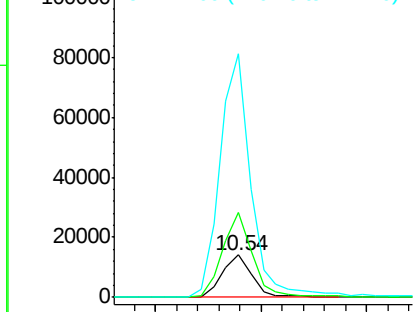
#66
 4-Bromophenyl-phenylether
 Concen: 3.124 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102543.D
 Acq: 28 Jan 2018 7:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13895
 Ion Ratio Lower Upper
 248 100
 250 201.4 76.9 115.3#
 141 574.0 74.4 111.6#

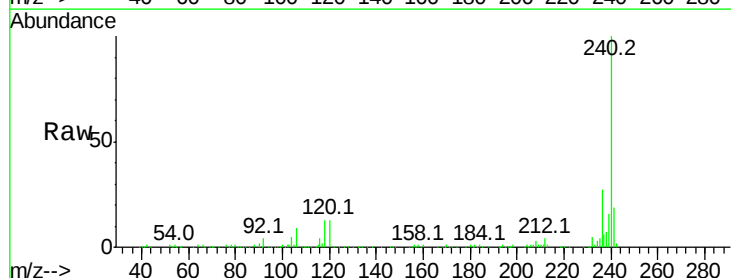


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

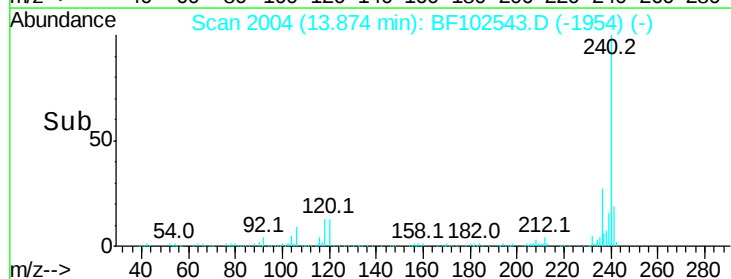
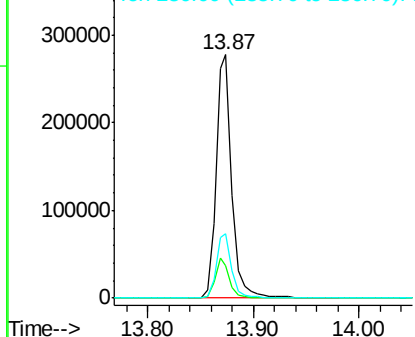


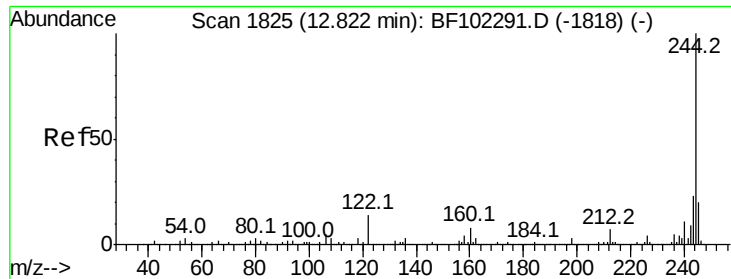
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF102543.D
 Acq: 28 Jan 2018 7:02

Tgt Ion:240 Resp: 291733
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 26.6 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





#78

Terphenyl-d14

Concen: 79.377 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102543.D

Acq: 28 Jan 2018 7:02

Instrument :

BNA_F

ClientSampleId :

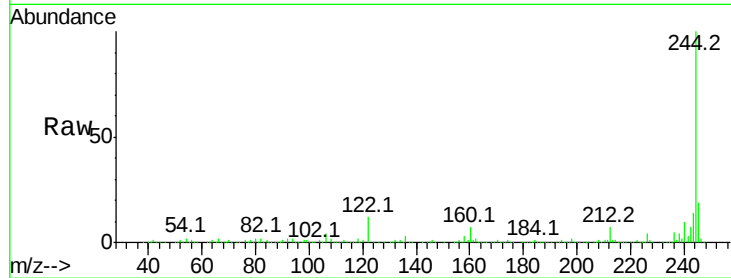
Tot Ion:244 Resp: 1027209

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

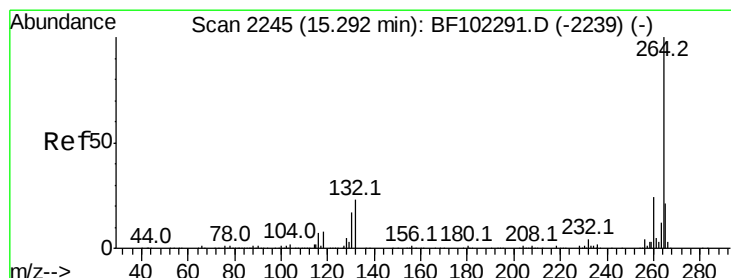
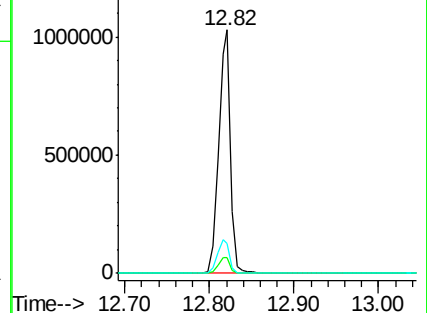
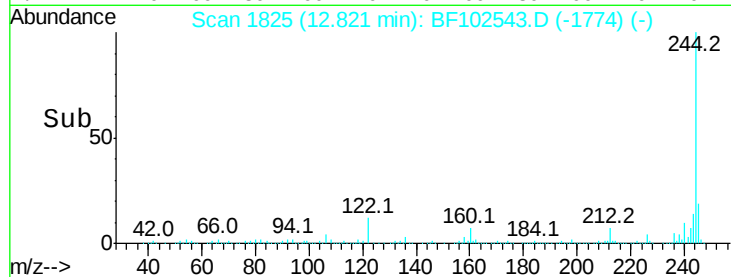
122 12.2 11.0 16.4



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: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF102543.D

Acq: 28 Jan 2018 7:02

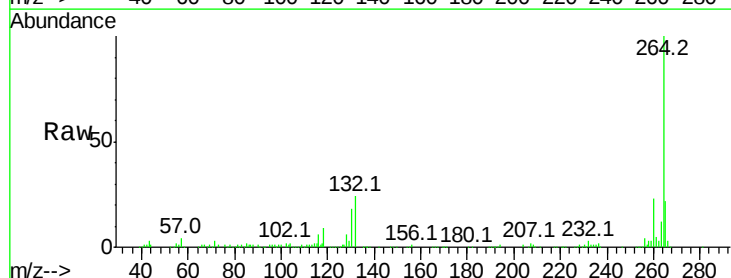
Tgt Ion:264 Resp: 210853

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.0 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

