

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012318\
 Data File : BF102383.D
 Acq On : 24 Jan 2018 11:05
 Operator : SJ/JU
 Sample : J1239-12DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 12:20:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

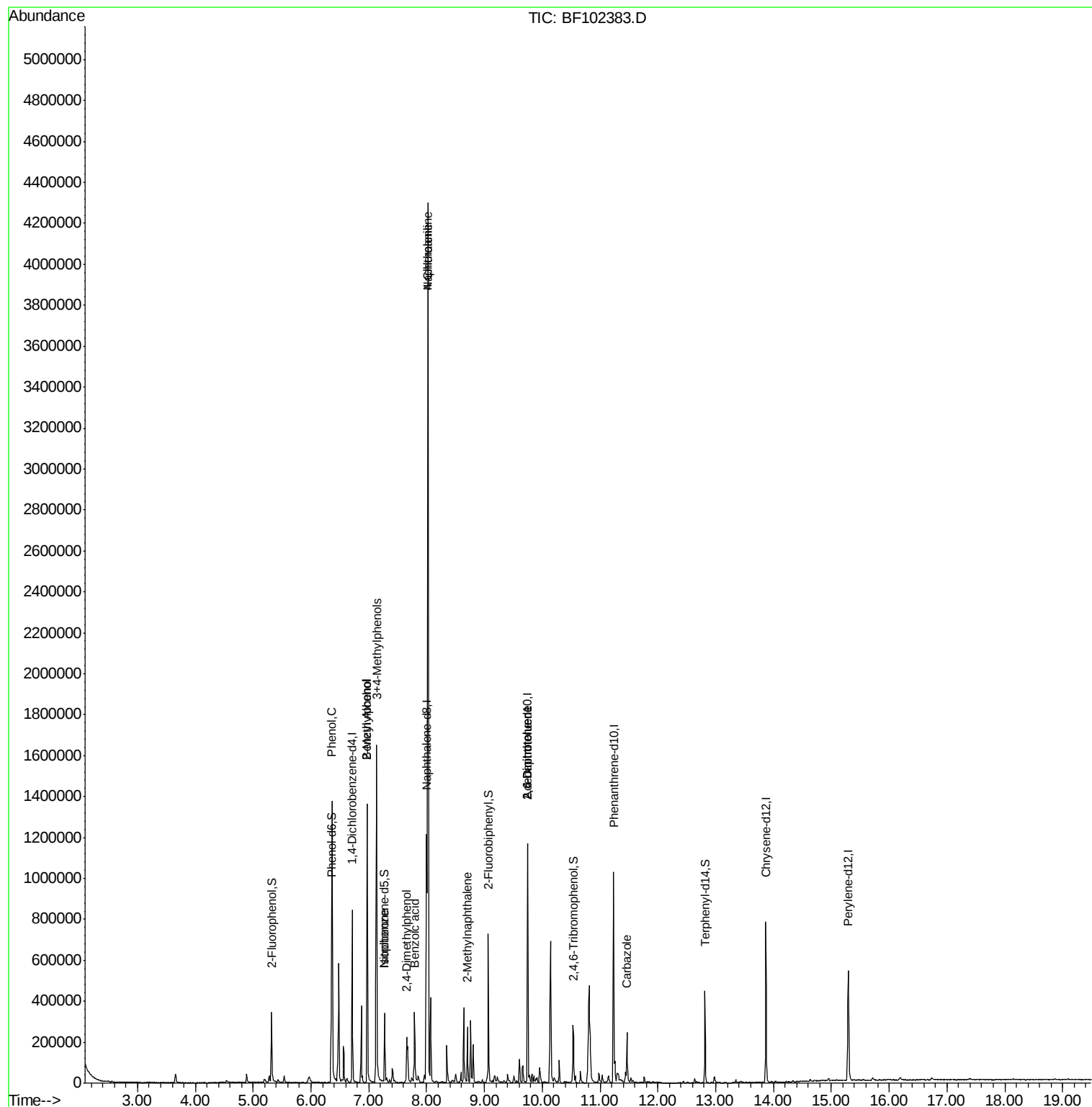
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137029	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	569451	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	242818	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	365255	20.00	ng	0.00
75) Chrysene-d12	13.87	240	262304	20.00	ng	0.00
86) Perylene-d12	15.29	264	242289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	110372	12.21	ng	0.00
7) Phenol-d6	6.35	99	125017	11.47	ng	0.00
23) Nitrobenzene-d5	7.27	82	96320	9.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	29807	12.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	214587	12.99	ng	-0.01
78) Terphenyl-d14	12.82	244	150809	12.96	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.36	94	460781	38.738	ng	100
15) Benzyl Alcohol	6.97	79	48425	6.299	ng	# 1
17) 2-Methylphenol	6.97	107	120684	14.668	ng	99
20) 3+4-Methylphenols	7.13	107	371884	38.432	ng	85
25) Isophorone	7.27	82	96200	5.446	ng	# 64
27) 2,4-Dimethylphenol	7.66	122	68622	8.855	ng	99
31) Naphthalene	8.02	128	2269471	79.822	ng	99
32) Benzoic acid	7.79	122	80022	12.324	ng	# 13
33) 4-Chloroaniline	8.02	127	307543	25.723	ng	# 32
37) 2-Methylnaphthalene	8.71	142	73478	3.881	ng	98
50) 2,6-Dinitrotoluene	9.75	165	30149	6.967	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	30149	5.666	ng	# 23
72) Carbazole	11.47	167	96898	4.572	ng	98

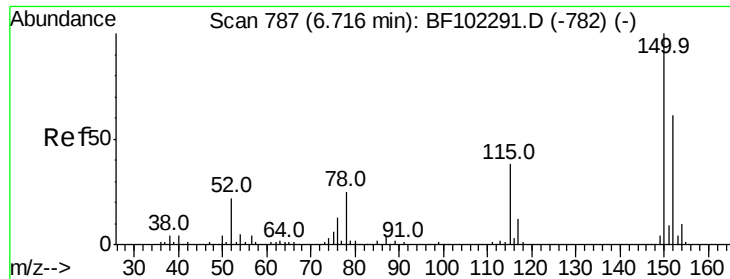
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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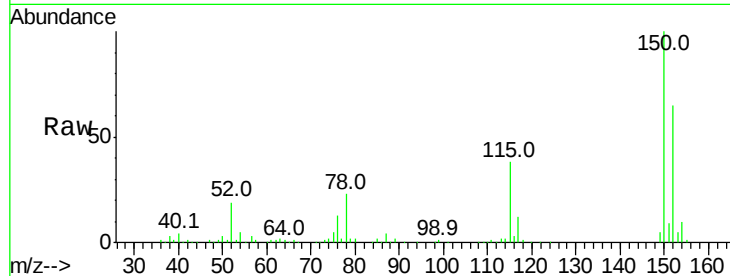


#1

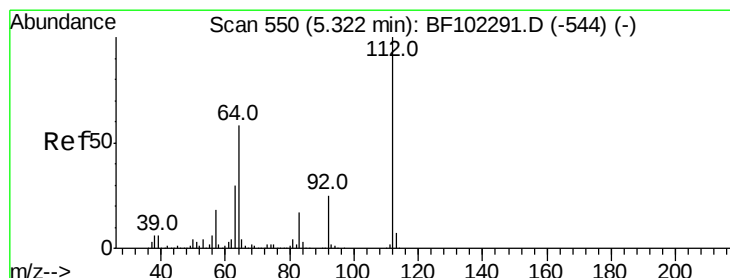
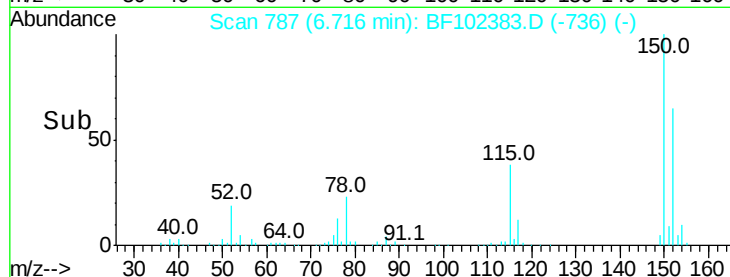
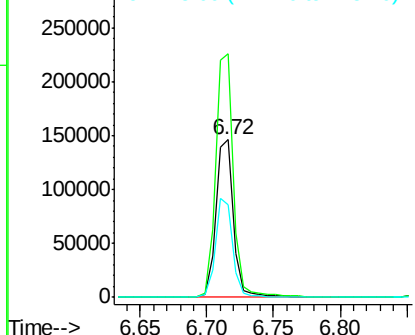
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137029
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 58.4 50.1 75.1



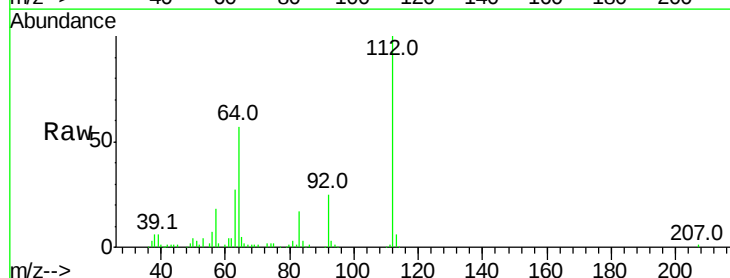
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



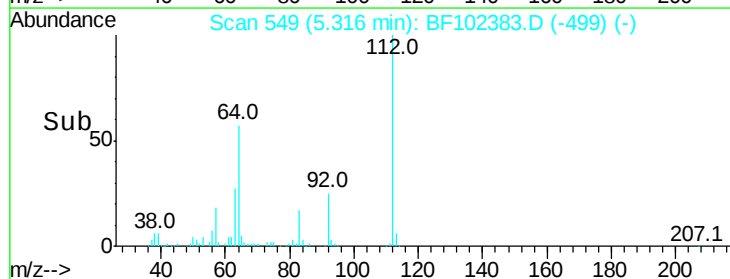
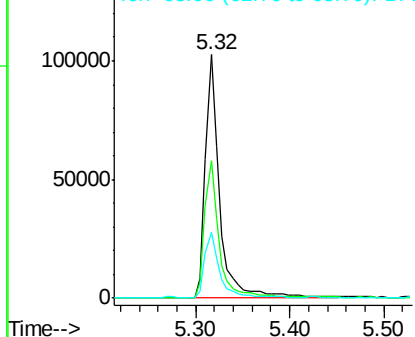
#5

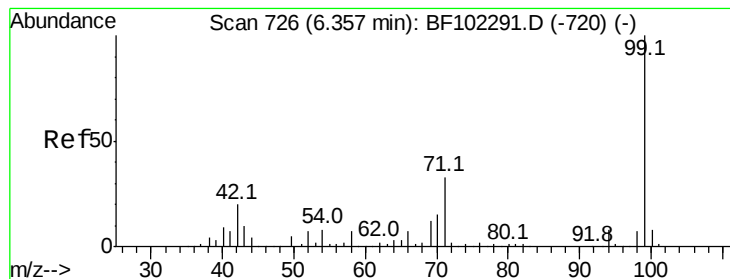
2-Fluorophenol
Concen: 12.213 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Tgt Ion:112 Resp: 110372
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 27.2 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: 11.474 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Instrument :

BNA_F

ClientSampleId :

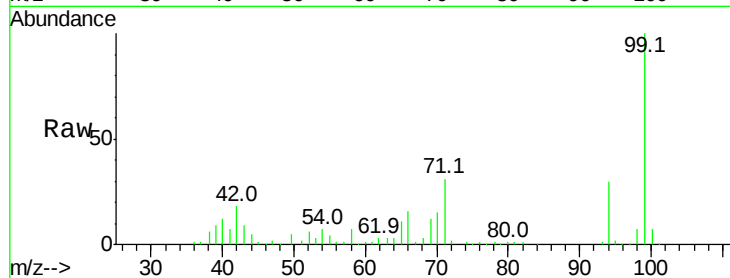
Tot Ion: 99 Resp: 125017

Ion Ratio Lower Upper

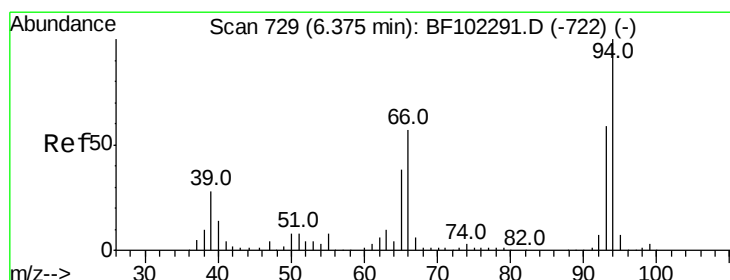
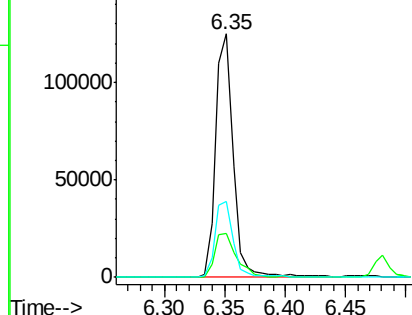
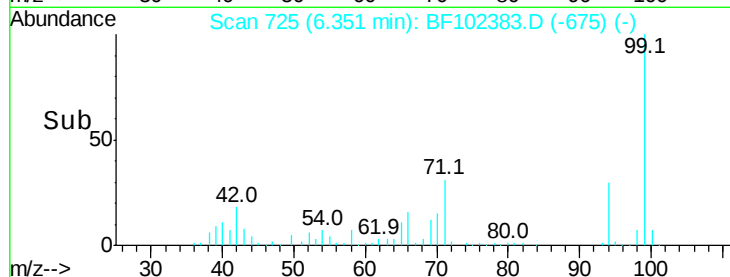
99 100

42 17.8 14.5 21.7

71 31.3 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: 38.738 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

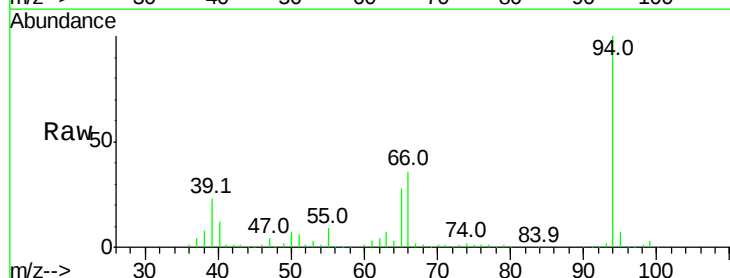
Tgt Ion: 94 Resp: 460781

Ion Ratio Lower Upper

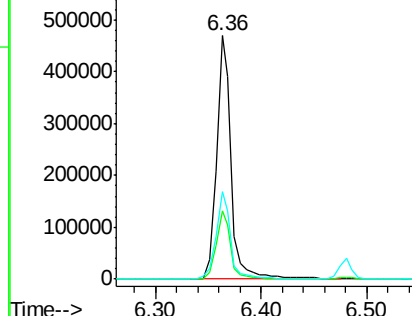
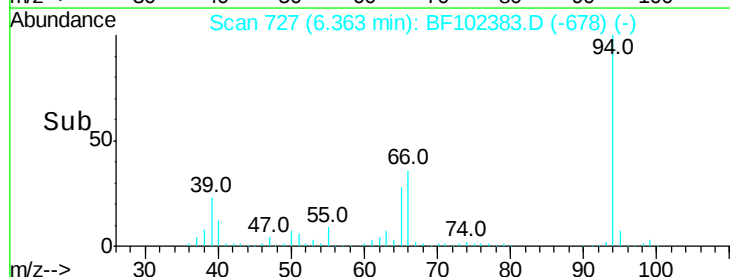
94 100

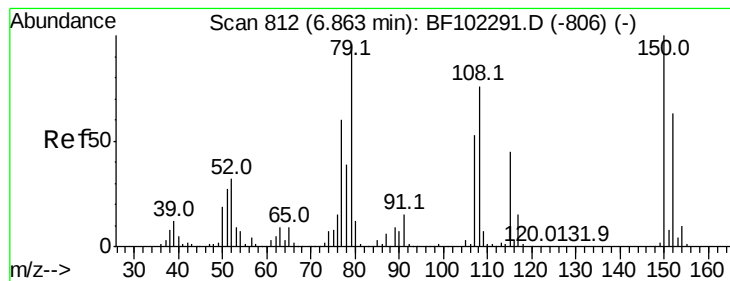
65 28.3 7.9 47.9

66 36.2 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





#15

Benzyl Alcohol

Concen: 6.299 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.11 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Instrument :
BNA_F
ClientSampled :

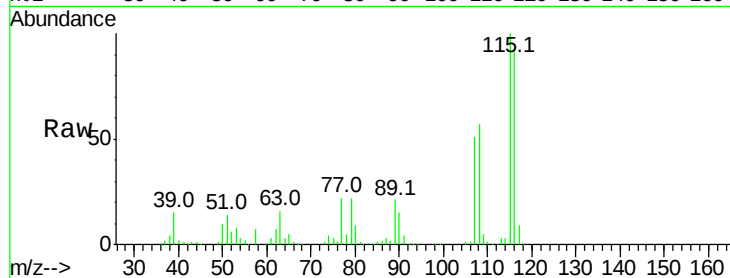
Tot Ion: 79 Resp: 48425

Ion Ratio Lower Upper

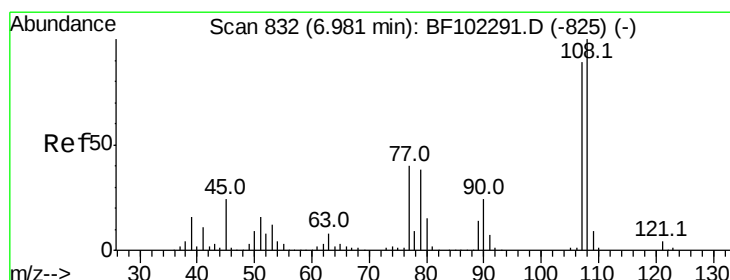
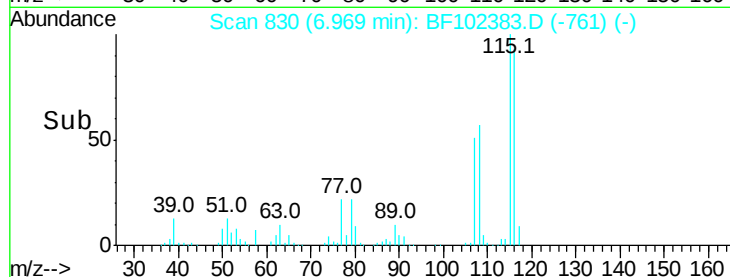
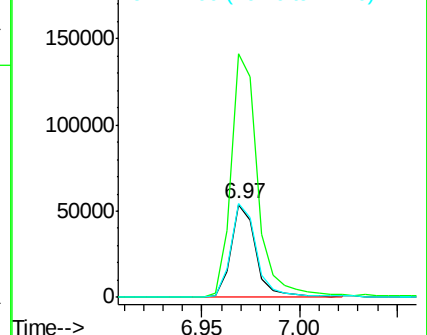
79 100

108 261.4 65.1 97.7#

77 100.3 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 14.668 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Tgt Ion: 107 Resp: 120684

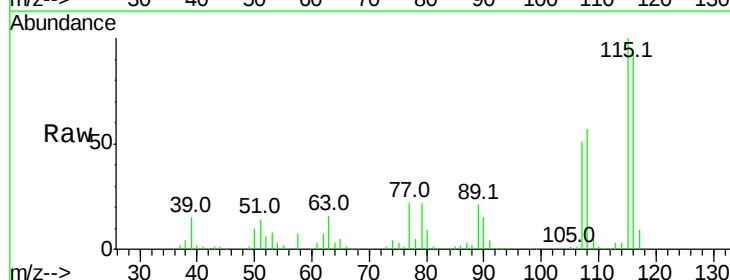
Ion Ratio Lower Upper

107 100

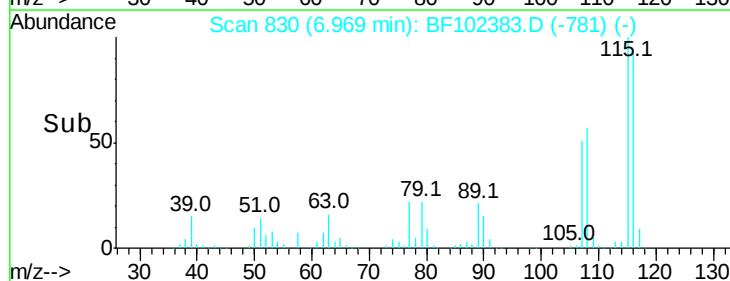
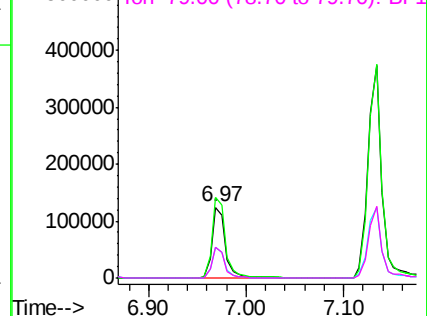
108 113.2 91.7 137.5

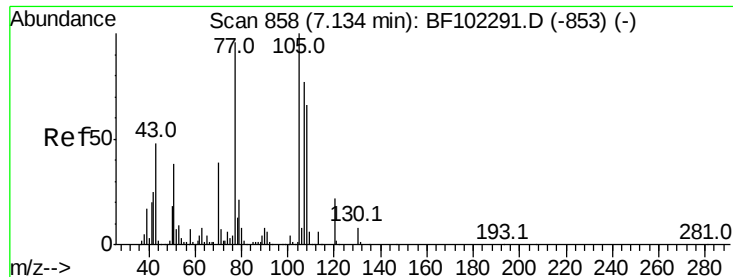
77 43.4 33.8 50.8

79 43.3 33.8 50.8



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 38.432 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.00 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 371884

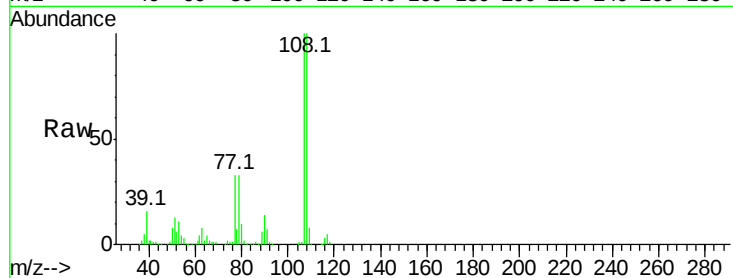
Ion Ratio Lower Upper

107 100

108 100.3 68.2 108.2

77 32.8 26.7 66.7

79 33.5 6.3 46.3

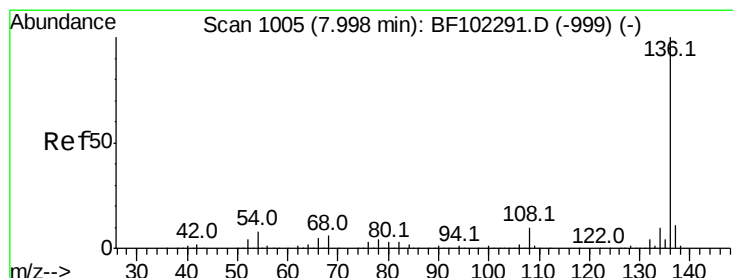
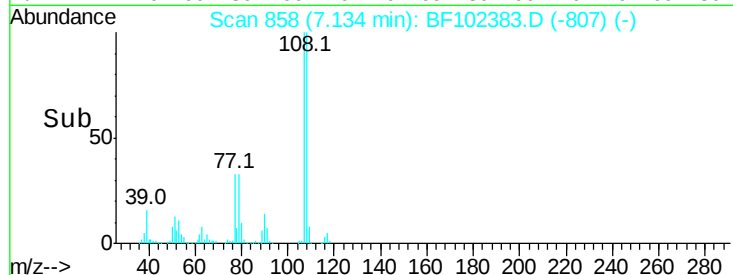
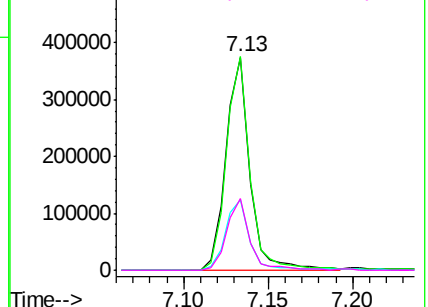


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Tgt Ion:136 Resp: 569451

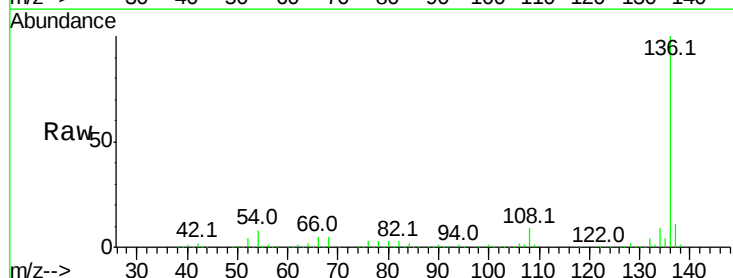
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.5 6.6 9.8

68 5.5 5.0 7.4

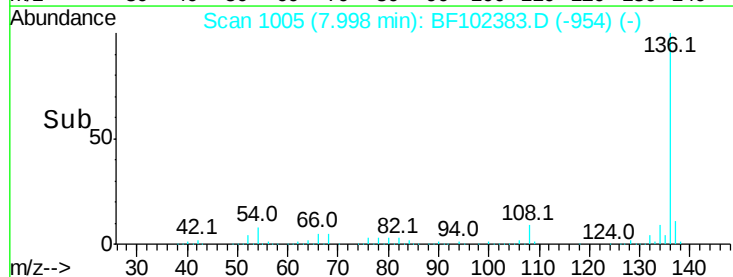
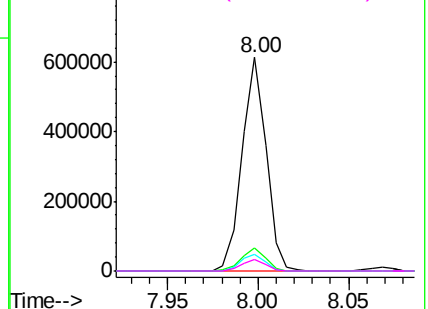


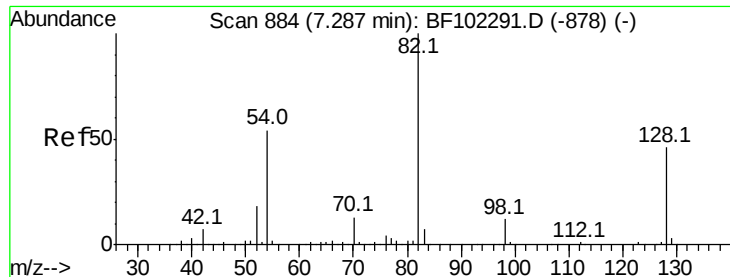
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

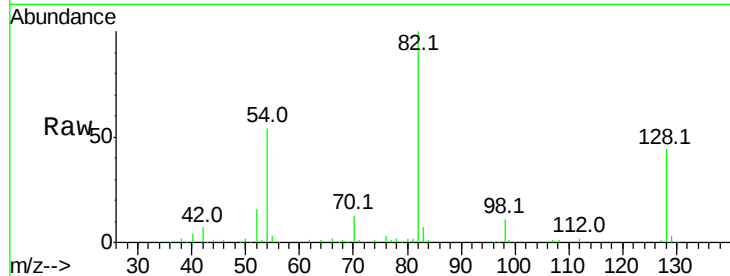




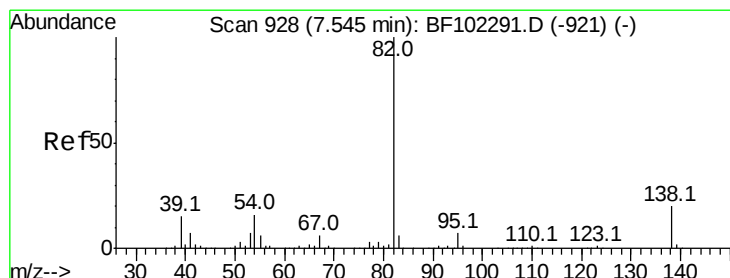
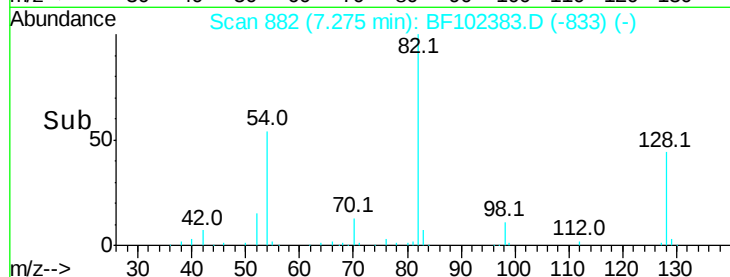
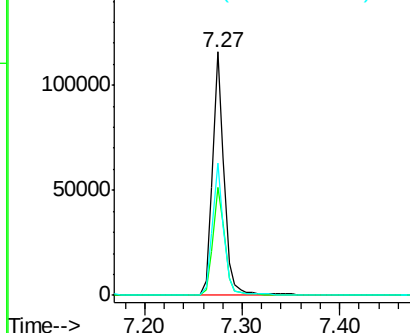
#23
Nitrobenzene-d5
Concen: 9.720 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	96320
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	54.4	41.4	62.2

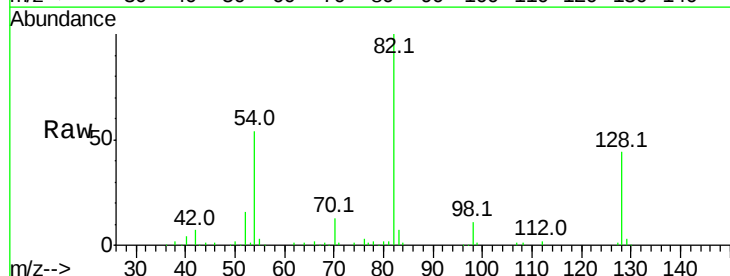


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

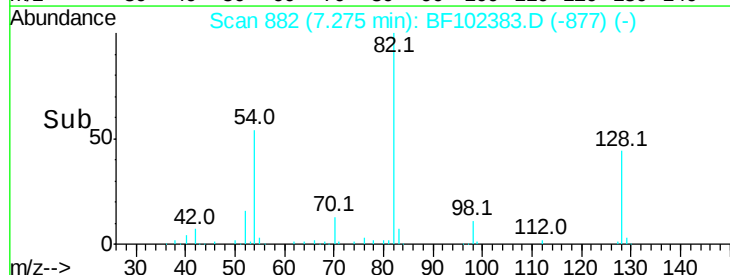
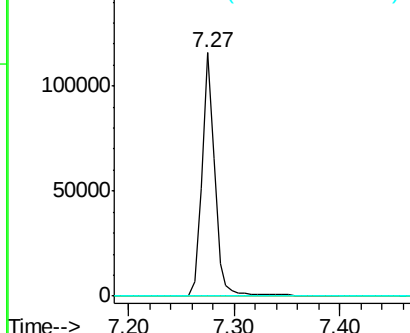


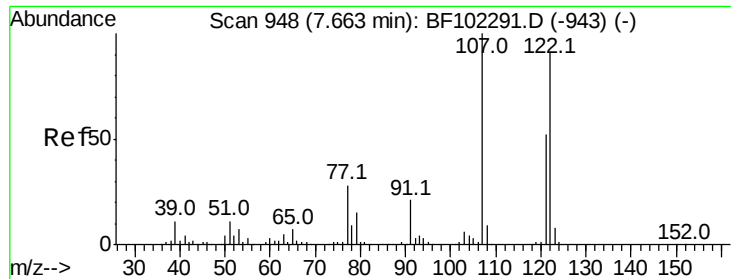
#25
Isophorone
Concen: 5.446 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Tgt Ion	82	Resp	96200
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: 8.855 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Instrument :

BNA_F

ClientSampleId :

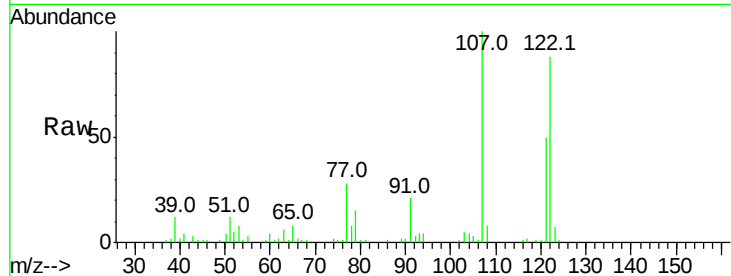
Tot Ion:122 Resp: 68622

Ion Ratio Lower Upper

122 100

107 114.2 91.2 136.8

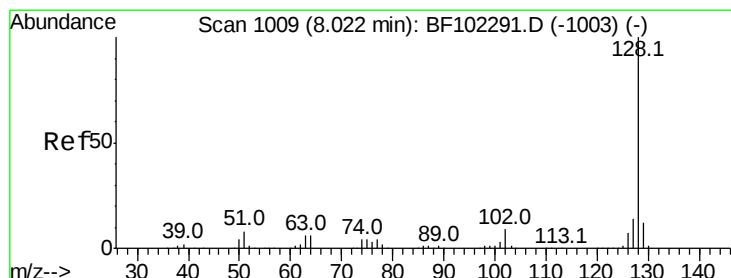
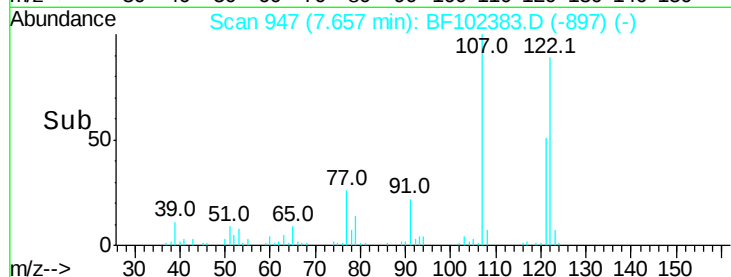
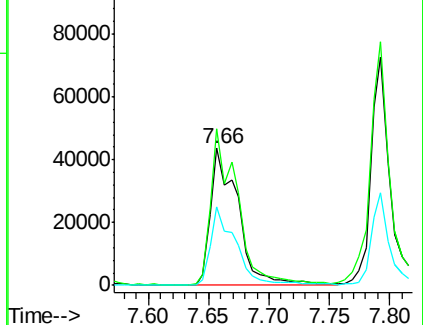
121 57.6 47.2 70.8



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



#31

Naphthalene

Concen: 79.822 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

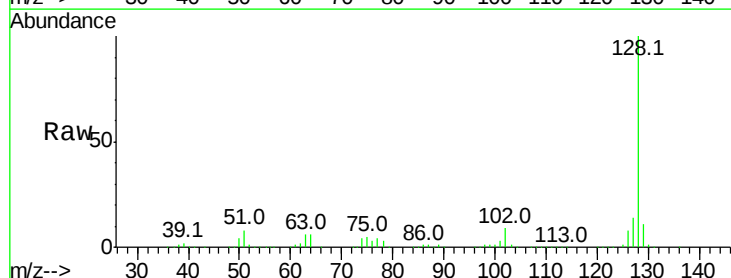
Tgt Ion:128 Resp: 2269471

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

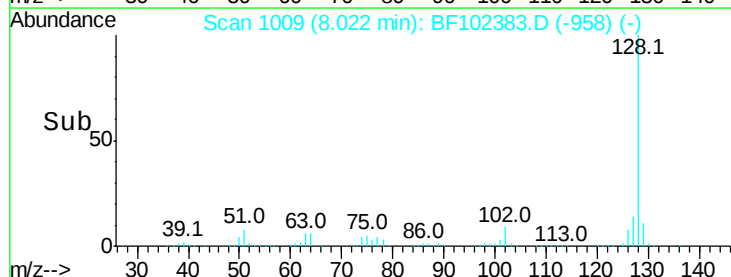
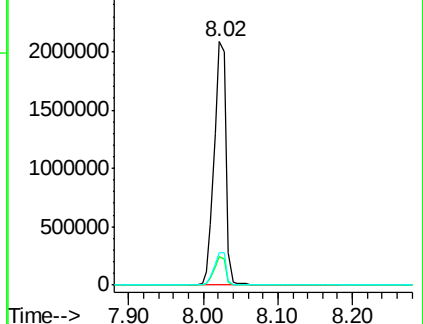
127 13.6 10.9 16.3

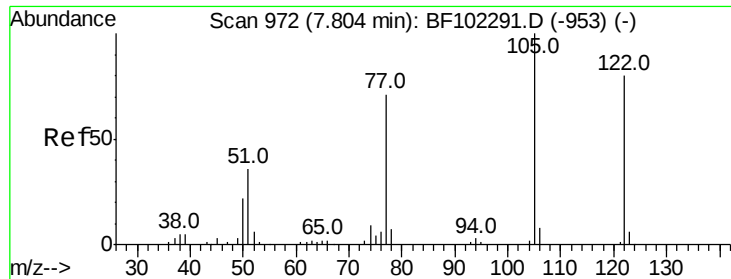


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

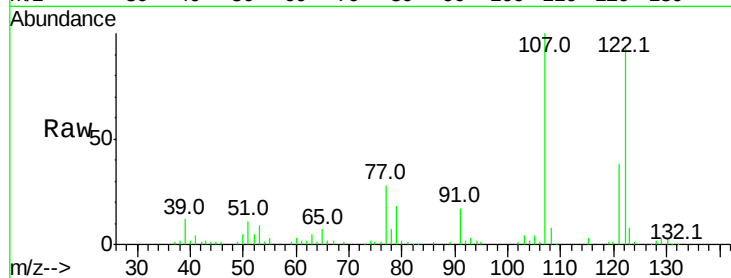




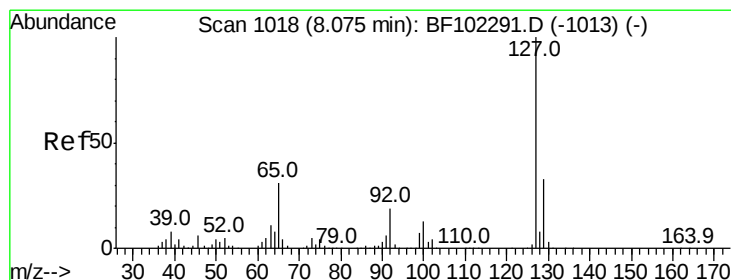
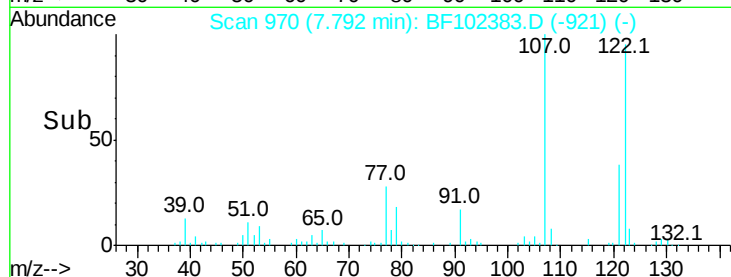
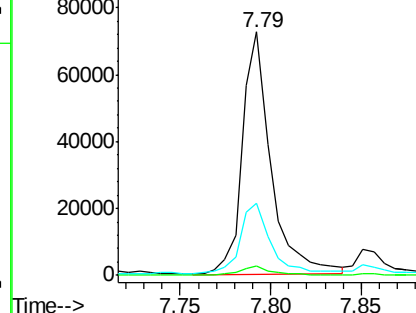
#32
Benzoic acid
Concen: 12.324 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 80022
Ion Ratio Lower Upper
122 100
105 4.0 101.1 141.1#
77 29.9 70.7 110.7#

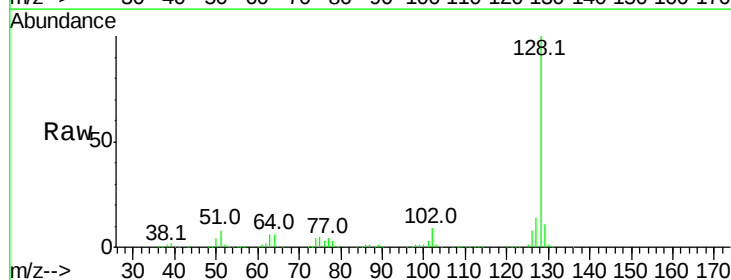


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

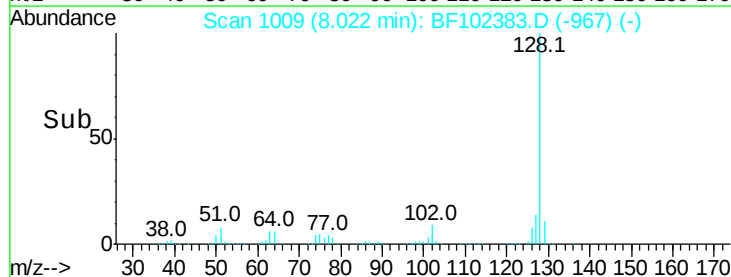
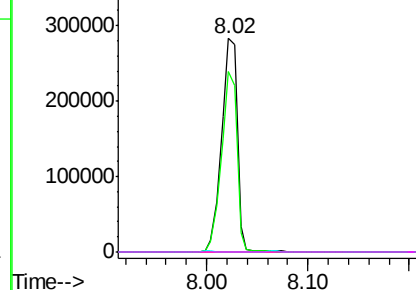


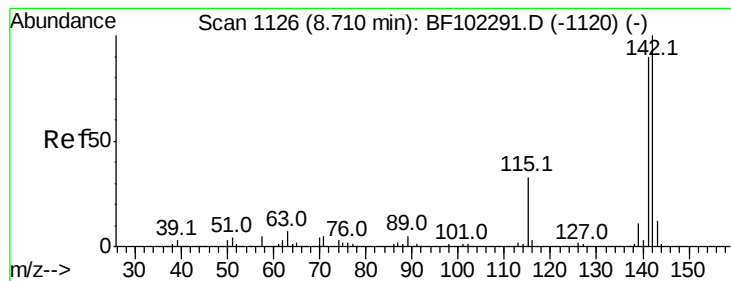
#33
4-Chloroaniline
Concen: 25.723 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Tgt Ion:127 Resp: 307543
Ion Ratio Lower Upper
127 100
129 84.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

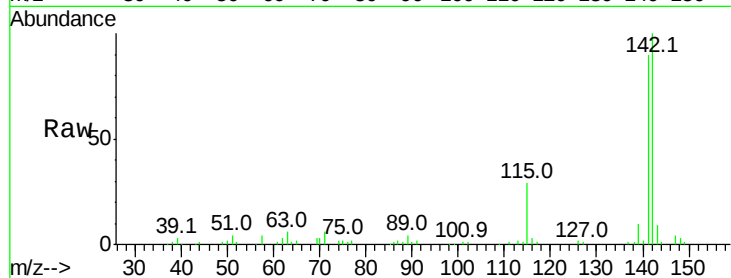




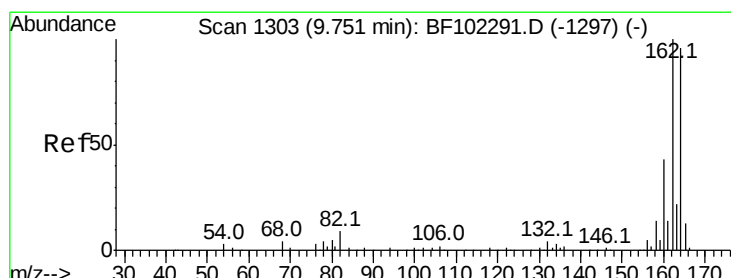
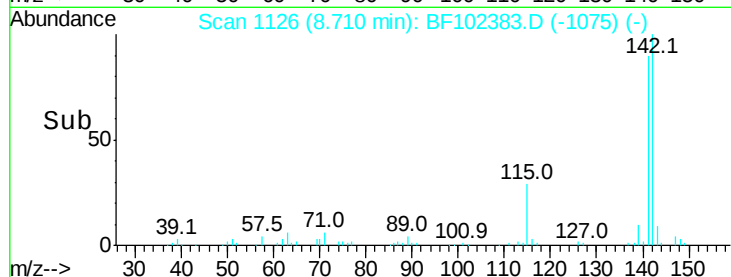
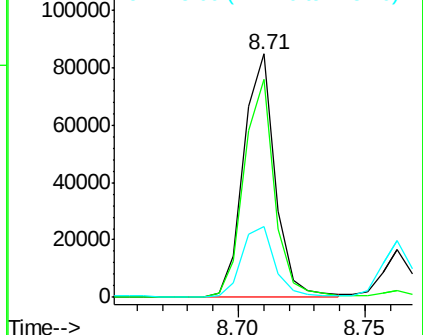
#37
 2-Methylnaphthalene
 Concen: 3.881 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:142 Resp: 73478
 Ion Ratio Lower Upper
 142 100
 141 89.6 70.8 106.2
 115 29.1 26.1 39.1

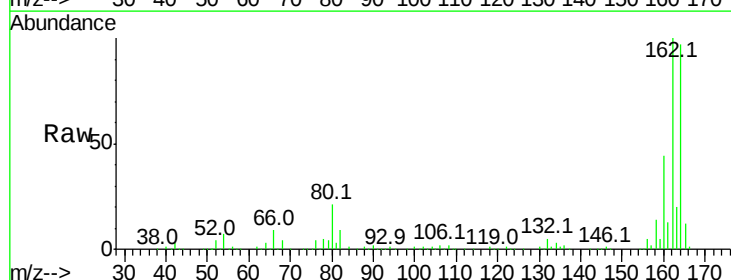


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

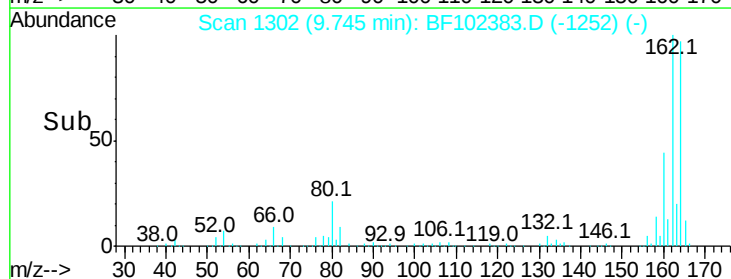
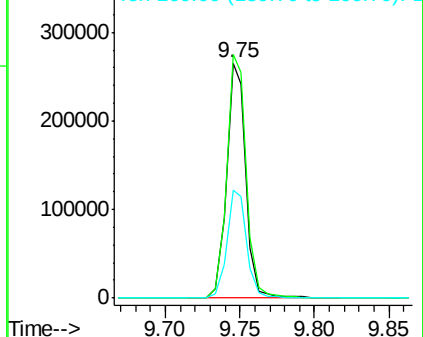


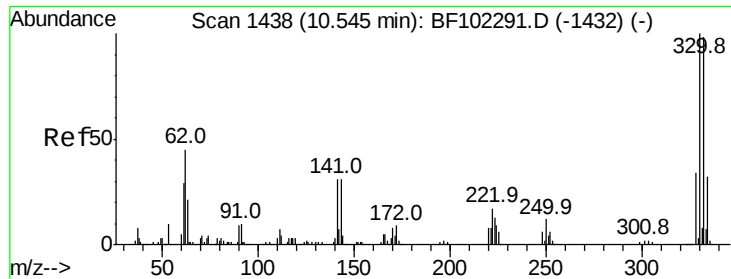
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Tgt Ion:164 Resp: 242818
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 45.7 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

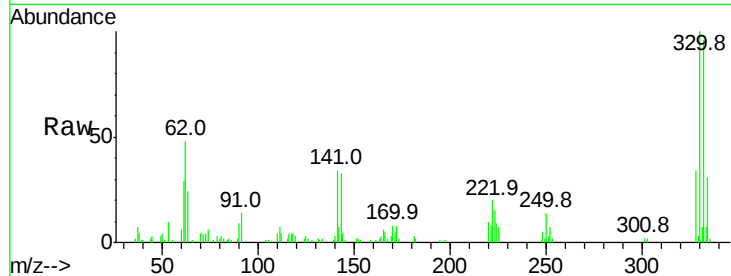




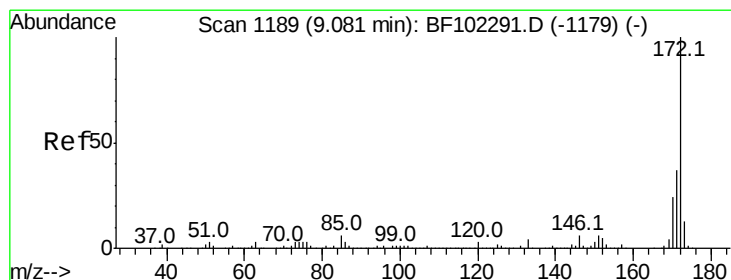
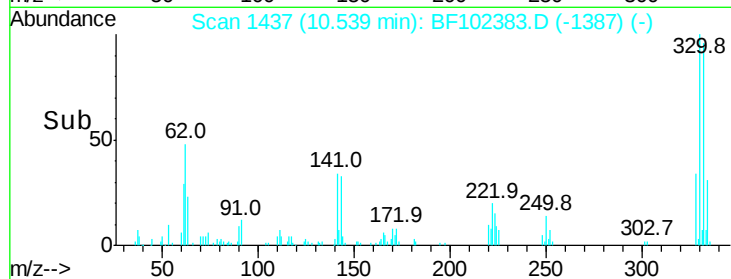
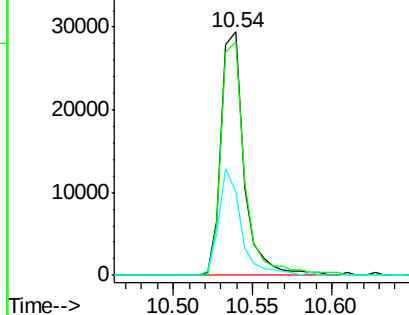
#41
 2,4,6-Tribromophenol
 Concen: 12.389 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	42.8	29.9	44.9

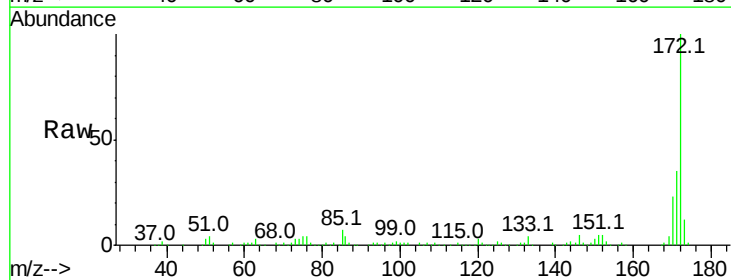


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

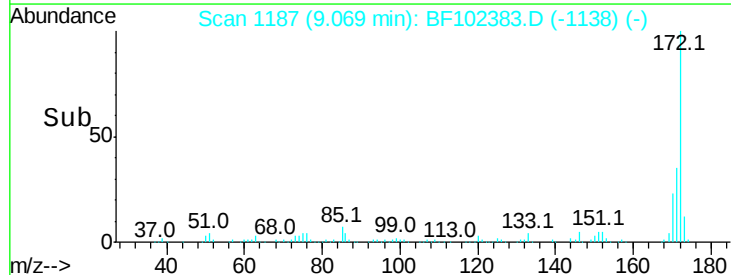
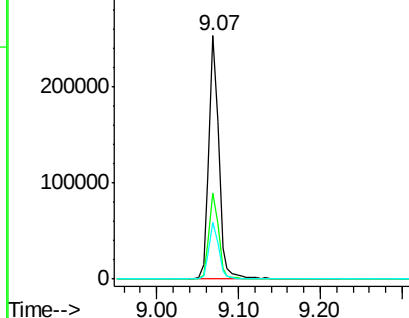


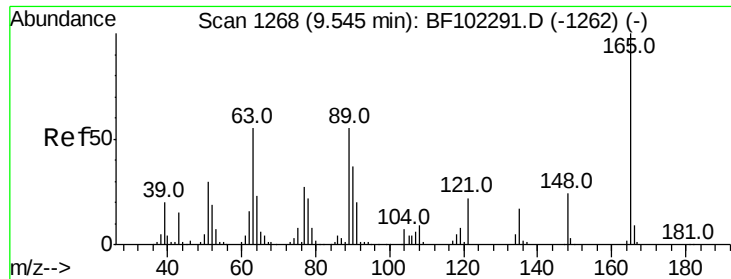
#44
 2-Fluorobiphenyl
 Concen: 12.994 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.1	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

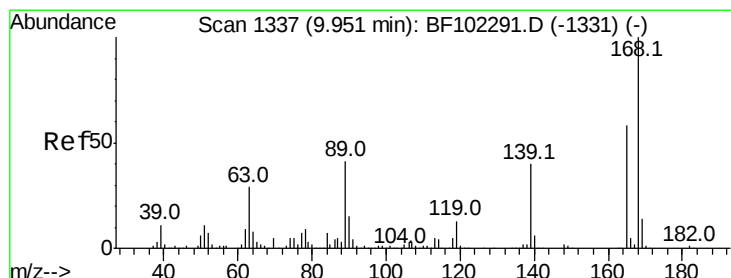
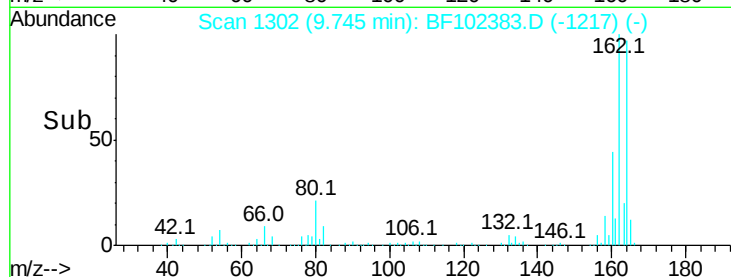
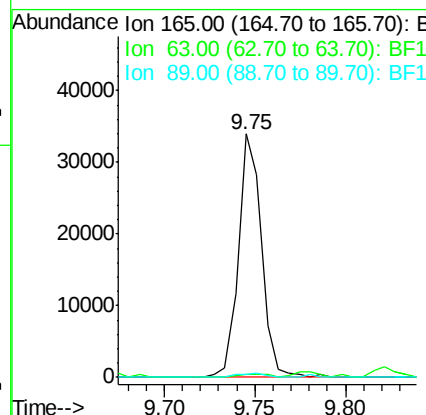
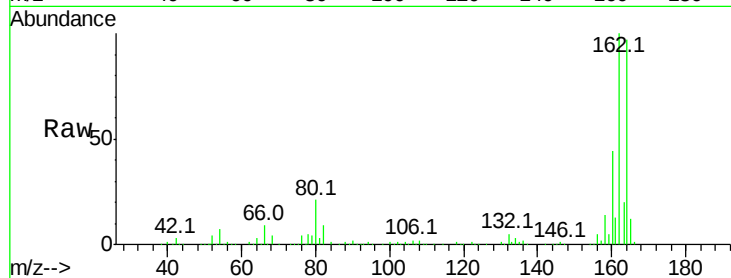




#50
 2,6-Dinitrotoluene
 Concen: 6.967 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

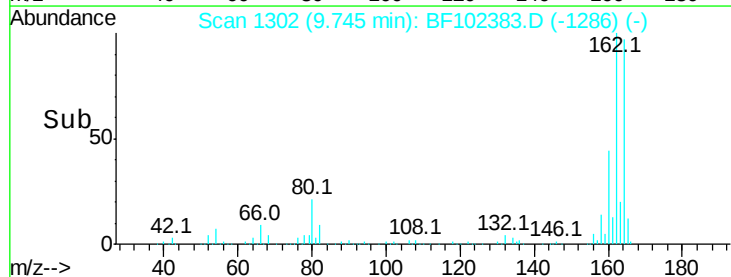
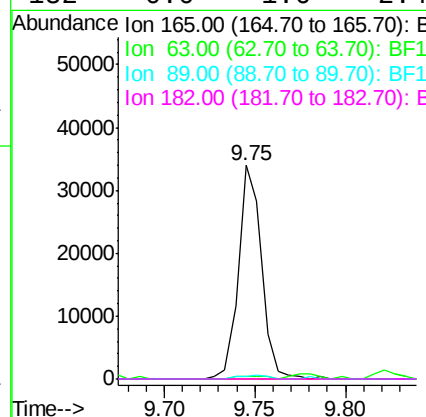
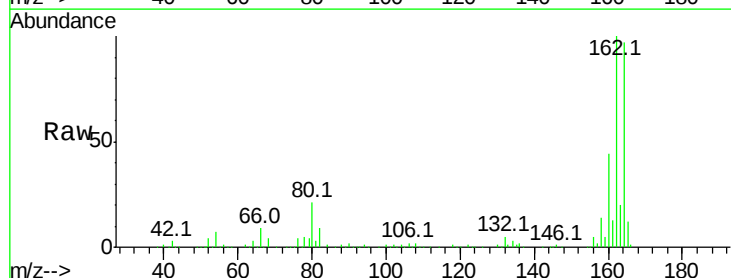
Instrument :
 BNA_F
 ClientSampleId :

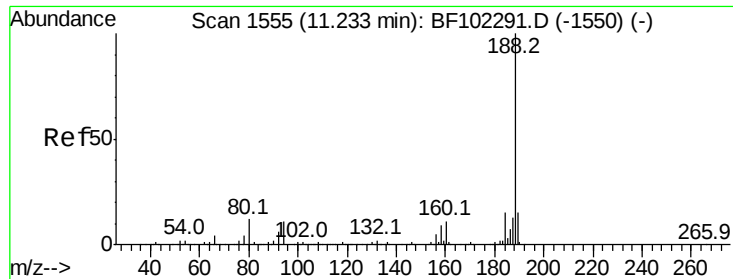
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.666 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

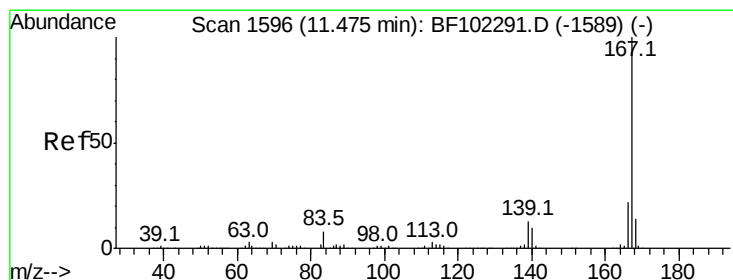
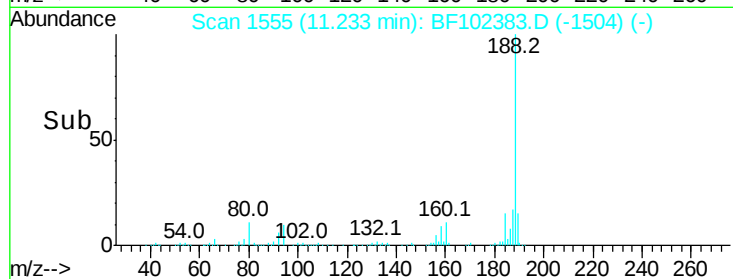
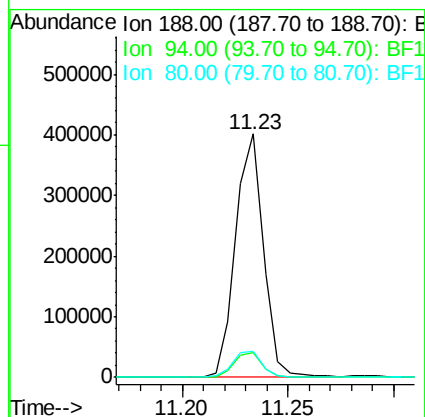
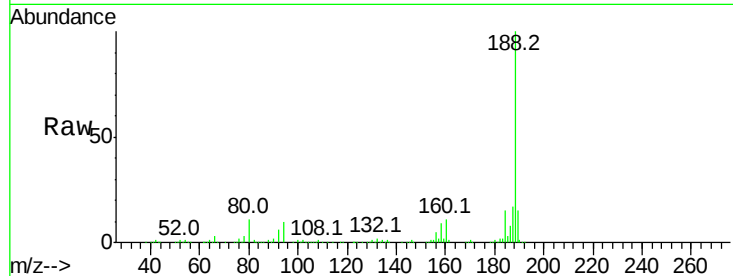




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

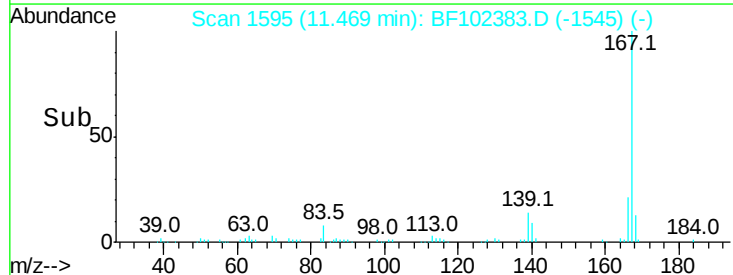
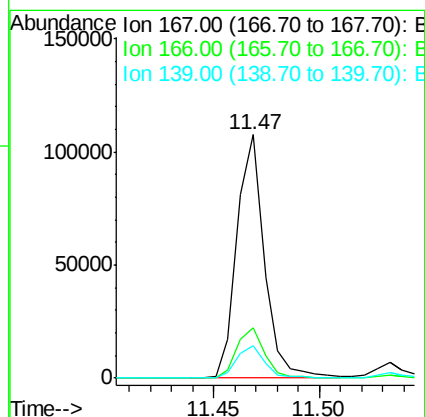
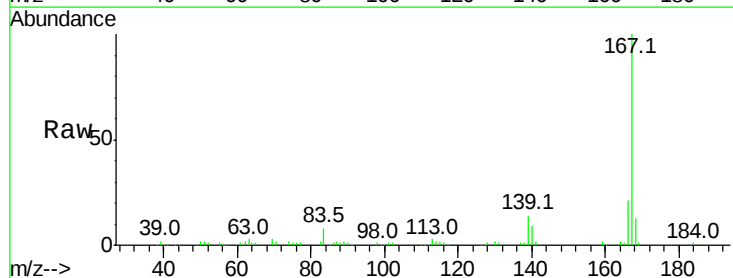
Instrument :
BNA_F
ClientSampled :

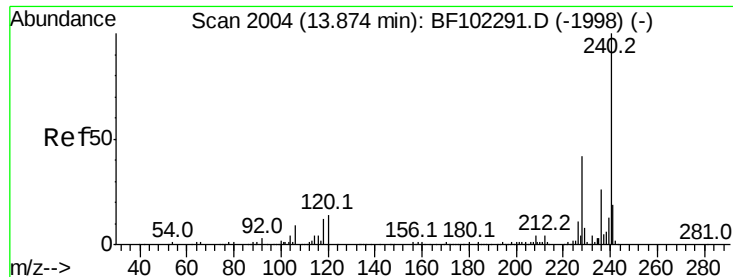
Tot Ion:188 Resp: 365255
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 10.8 9.2 13.8



#72
Carbazole
Concen: 4.572 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF102383.D
Acq: 24 Jan 2018 11:05

Tgt Ion:167 Resp: 96898
Ion Ratio Lower Upper
167 100
166 20.9 17.6 26.4
139 13.5 10.9 16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

Instrument :

BNA_F

ClientSampleId :

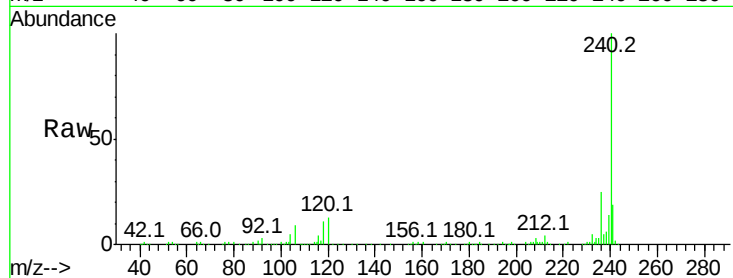
Tot Ion:240 Resp: 262304

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

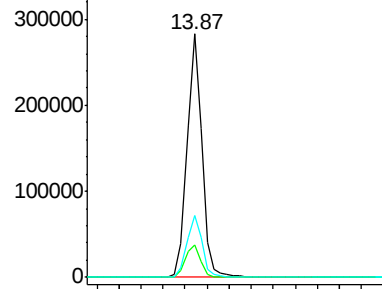
236 25.3 20.7 31.1



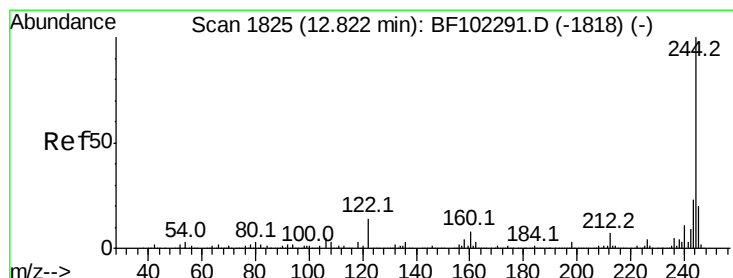
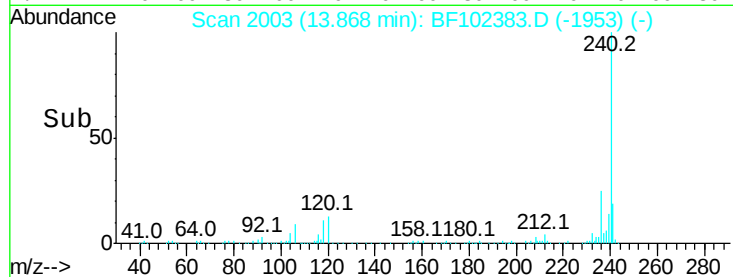
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 12.961 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102383.D

Acq: 24 Jan 2018 11:05

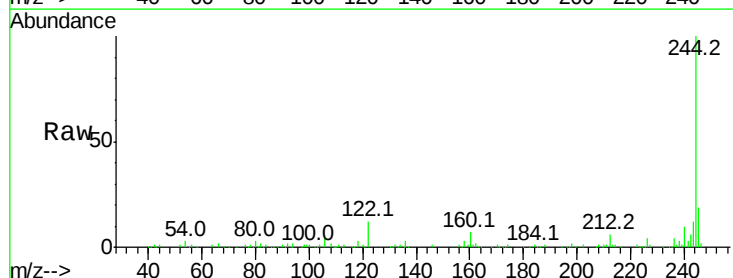
Tgt Ion:244 Resp: 150809

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

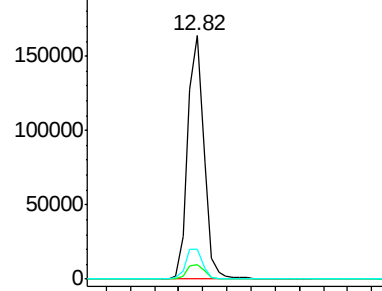
122 12.4 11.0 16.4



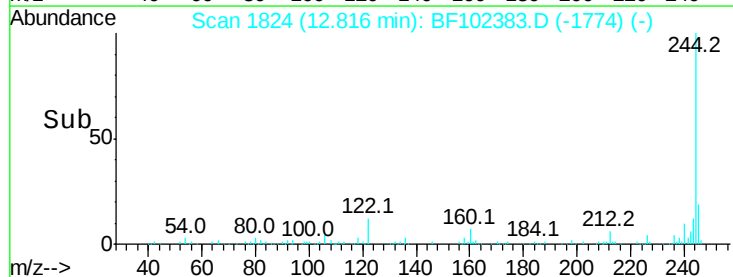
Abundance Ion 244.00 (243.70 to 244.70): E

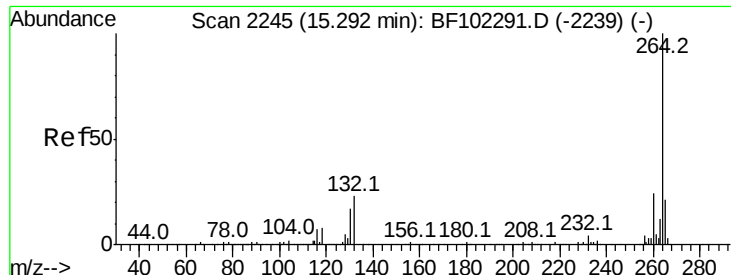
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

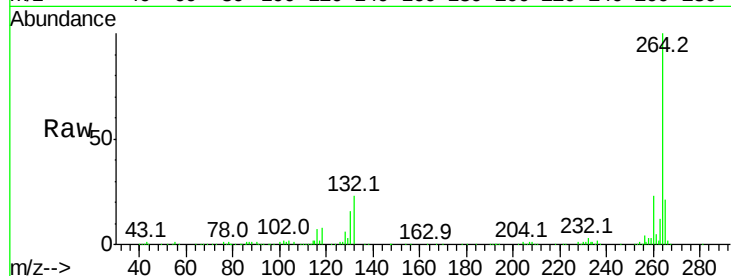




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: BF102383.D
 Acq: 24 Jan 2018 11:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.5	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

