

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102403.D
 Acq On : 24 Jan 2018 21:27
 Operator : SJ/JU
 Sample : J1254-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:11:18 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	117144	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	468078	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	188726	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	304505	20.00	ng	0.00
75) Chrysene-d12	13.87	240	260815	20.00	ng	0.00
86) Perylene-d12	15.30	264	249708	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	931515	120.57	ng	0.02
7) Phenol-d6	6.36	99	1033577	110.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	712365	87.46	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	212086	113.41	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1195945	93.18	ng	0.00
78) Terphenyl-d14	12.82	244	867761	75.01	ng	0.00

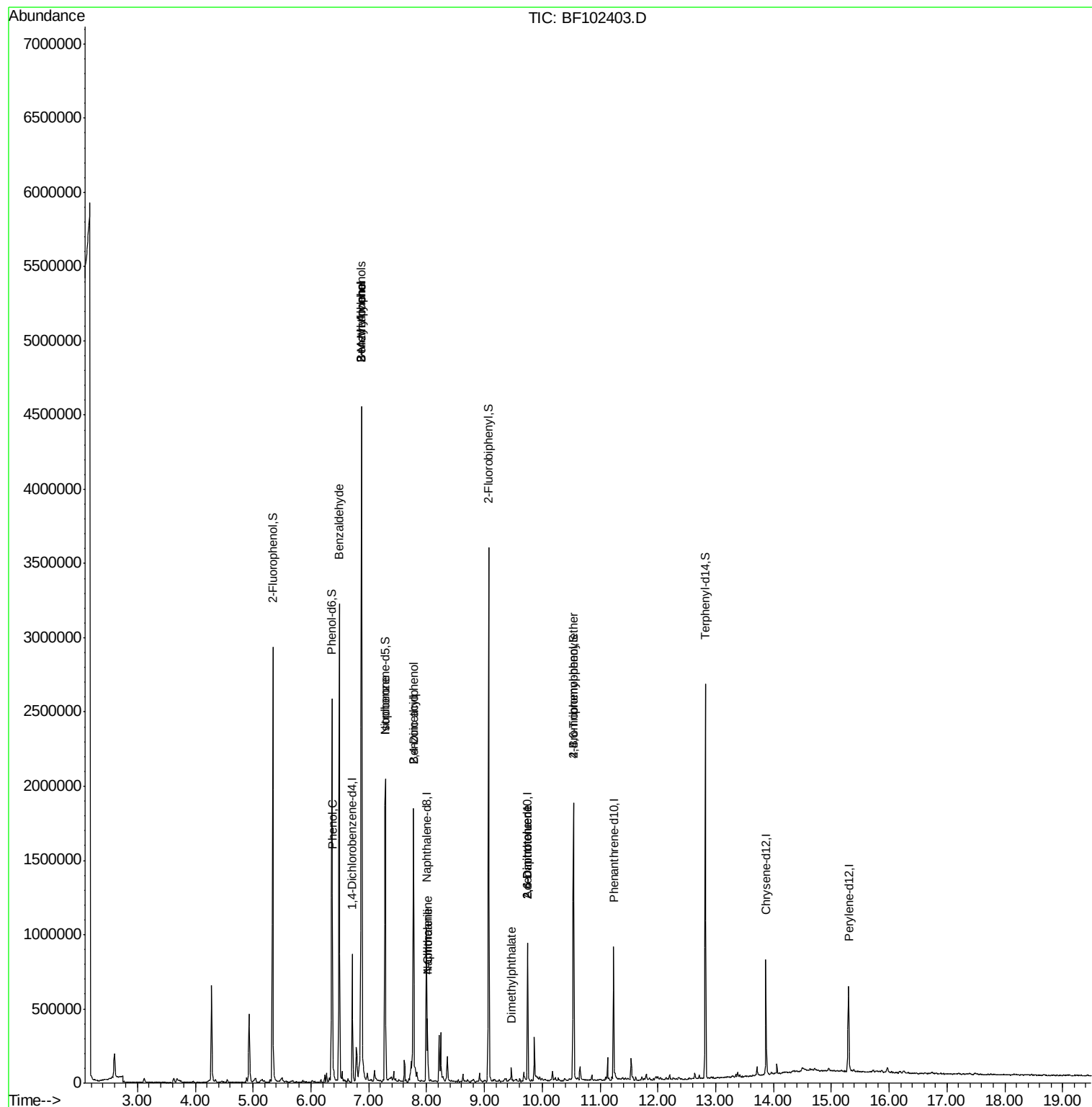
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	20811	3.204	ng	83
10) Phenol	6.37	94	34868	3.429	ng	95
15) Benzyl Alcohol	6.88	79	922987	140.446	ng	99
17) 2-Methylphenol	6.88	107	515391	73.275	ng	# 16
20) 3+4-Methylphenols	6.88	107	504045	60.932	ng	# 1
25) Isophorone	7.29	82	708225	48.773	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	68540	10.759	ng	# 1
31) Naphthalene	8.02	128	174187	7.453	ng	99
32) Benzoic acid	7.77	122	68540	12.842	ng	# 1
33) 4-Chloroaniline	8.02	127	22734	2.313	ng	# 32
49) Dimethylphthalate	9.47	163	32446	2.080	ng	99
50) 2,6-Dinitrotoluene	9.75	165	24529	7.293	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	24529	5.931	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	14660	4.472	ng	# 1

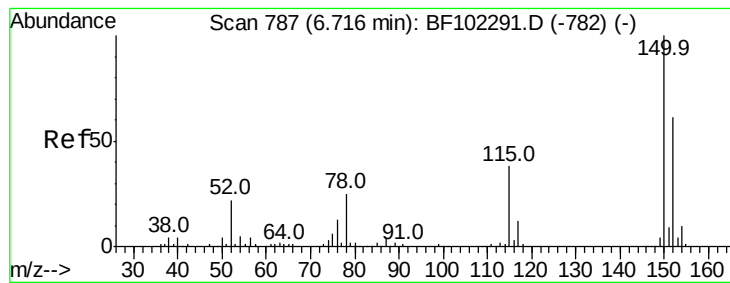
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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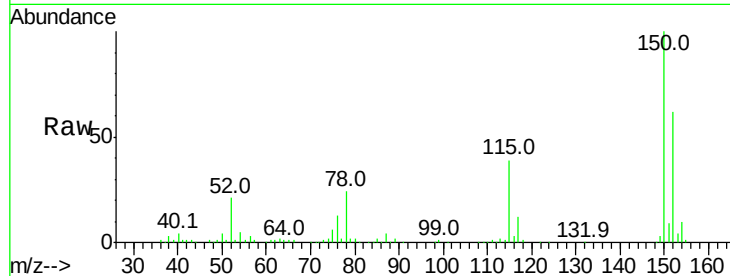


#1

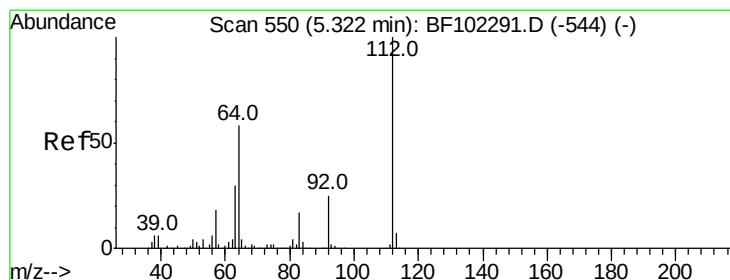
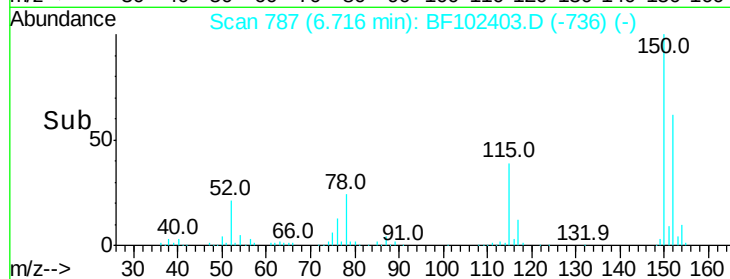
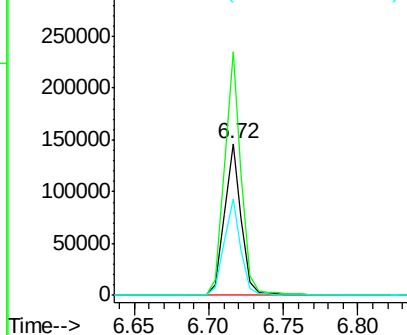
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117144
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 63.2 50.1 75.1



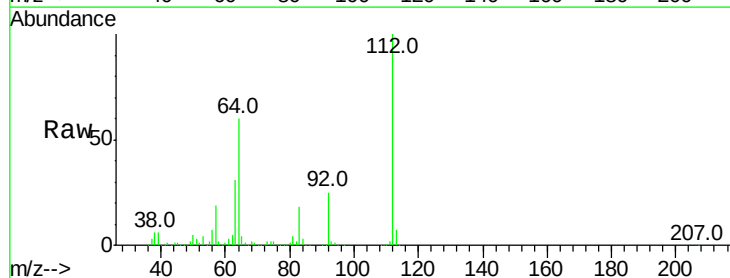
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



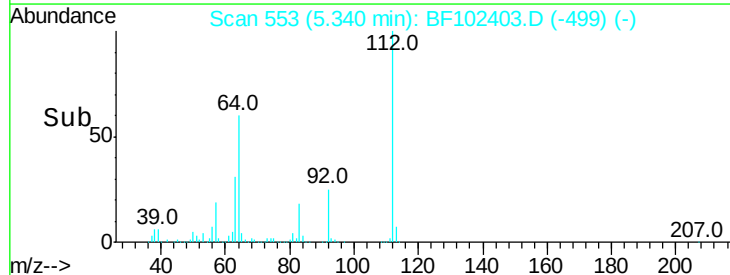
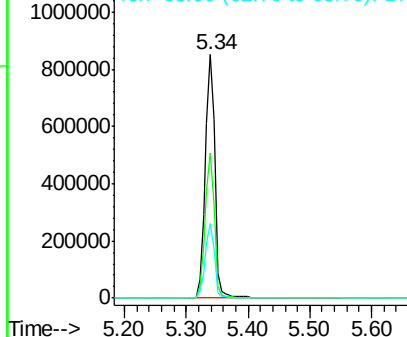
#5

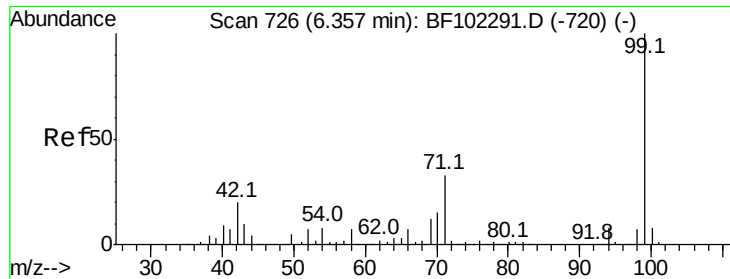
2-Fluorophenol
Concen: 120.571 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Tgt Ion:112 Resp: 931515
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.8 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: 110.968 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

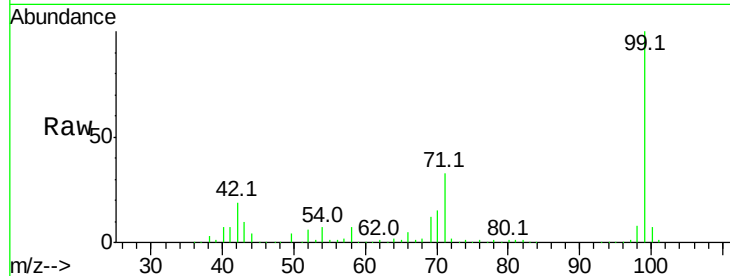
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1033577

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	33.5	25.4	38.0

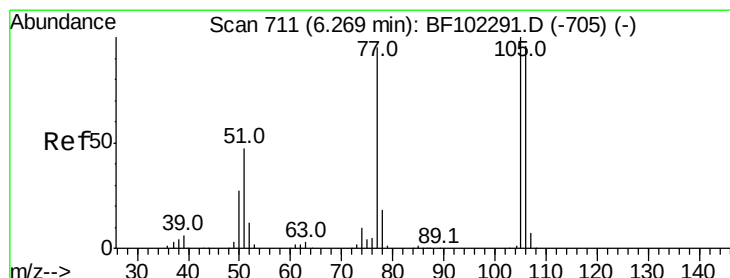
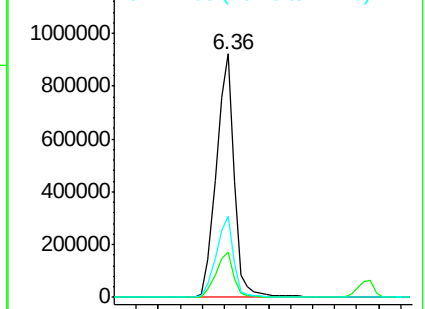
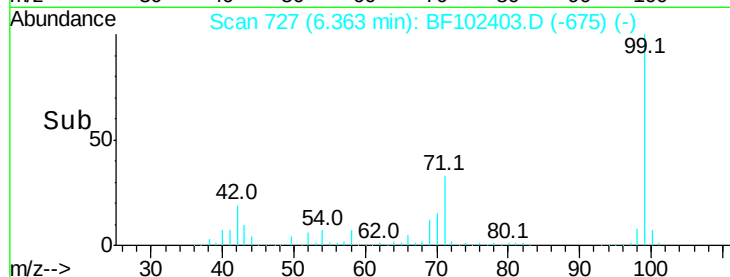


Abundance

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: 3.204 ng

RT: 6.49 min Scan# 749

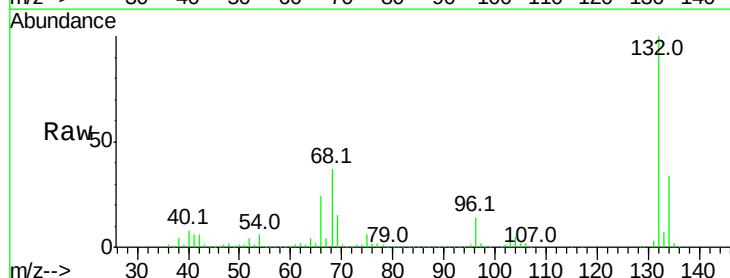
Delta R.T. 0.22 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

Tgt Ion: 77 Resp: 20811

Ion	Ratio	Lower	Upper
77	100		
105	81.3	81.1	121.1
106	80.2	74.5	114.5

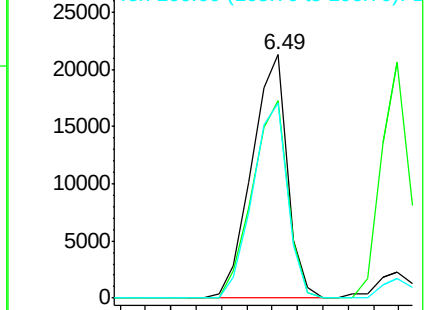
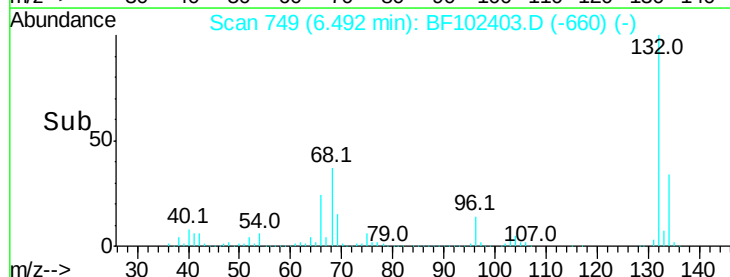


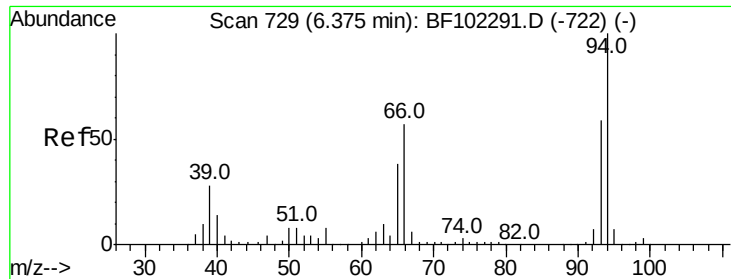
Abundance

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

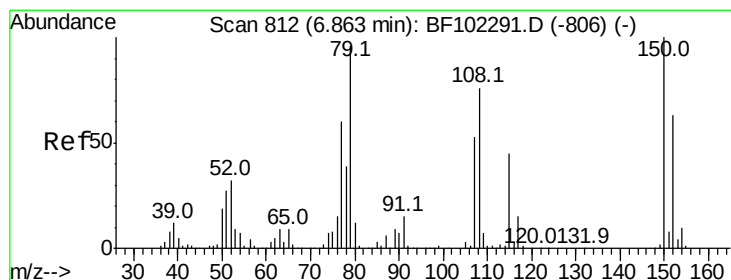
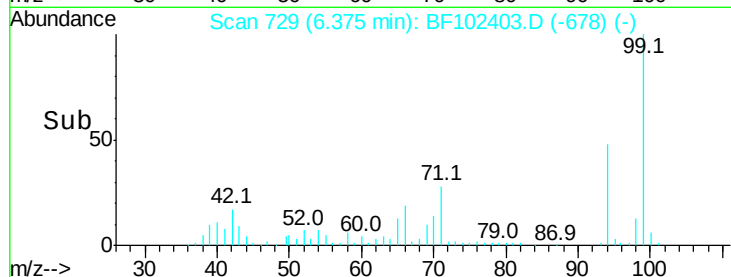
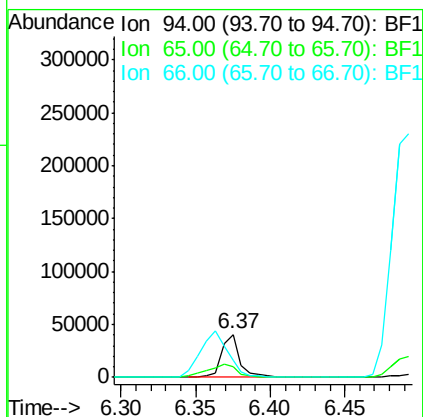
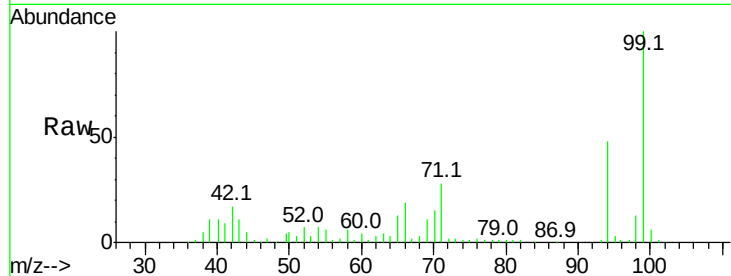




#10
Phenol
Concen: 3.429 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

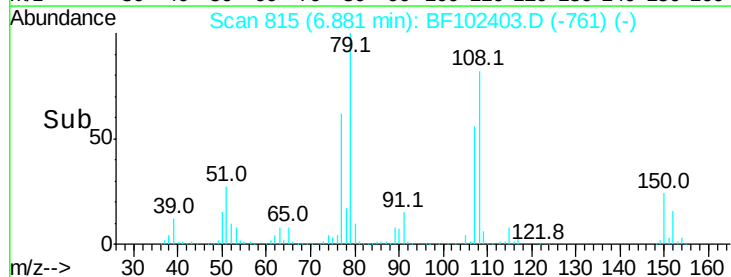
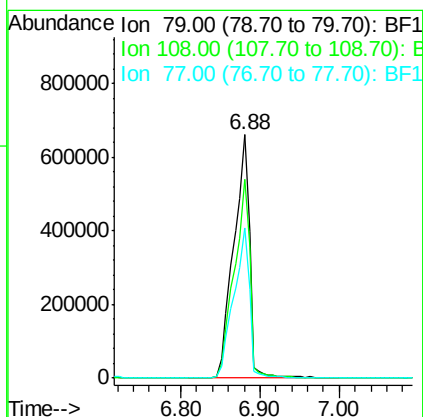
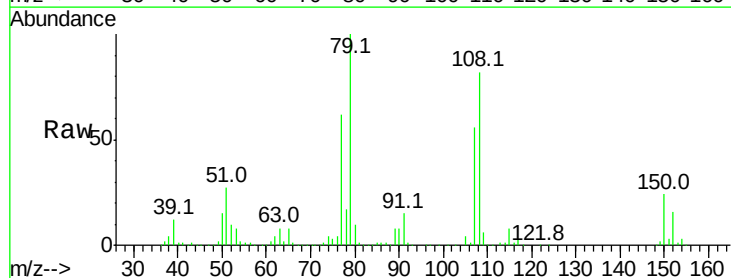
Instrument :
BNA_F
ClientSampleId :

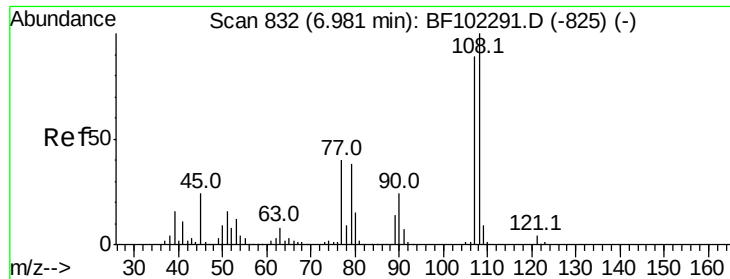
Tot Ion: 94 Resp: 34868
Ion Ratio Lower Upper
94 100
65 26.1 7.9 47.9
66 40.3 16.2 56.2



#15
Benzyl Alcohol
Concen: 140.446 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.02 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Tgt Ion: 79 Resp: 922987
Ion Ratio Lower Upper
79 100
108 81.6 65.1 97.7
77 61.7 50.6 75.8

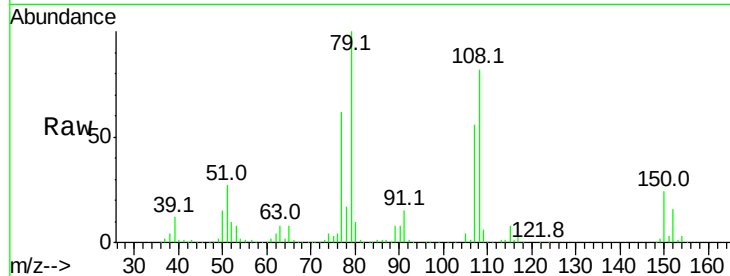




#17
2-Methylphenol
Concen: 73.275 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.10 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	144.7	91.7	137.5#
77	109.4	33.8	50.8#
79	177.2	33.8	50.8#



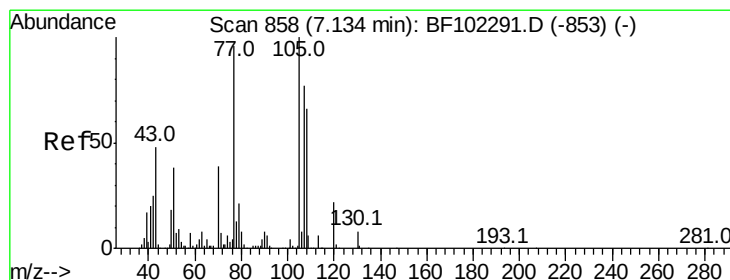
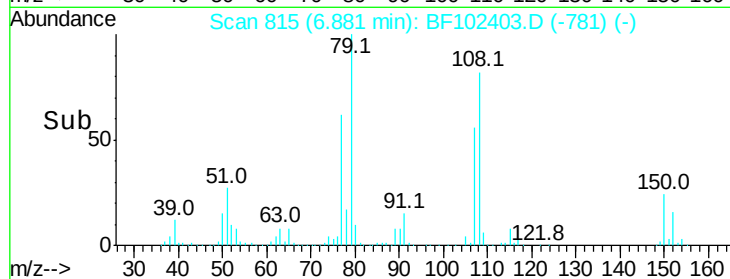
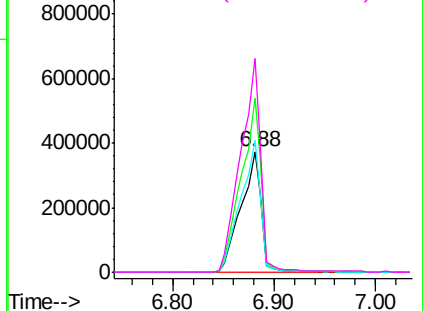
Abundance

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



#20
3+4-Methylphenols
Concen: 60.932 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.25 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	144.7	68.2	108.2#
77	109.4	26.7	66.7#
79	177.2	6.3	46.3#

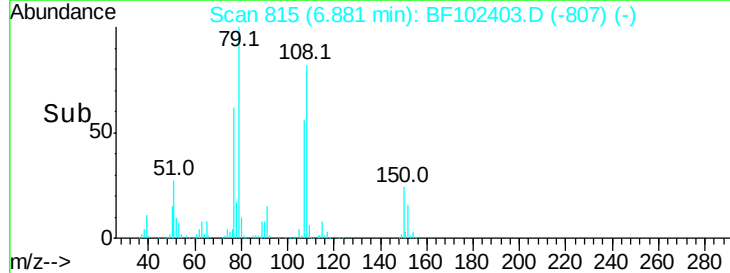
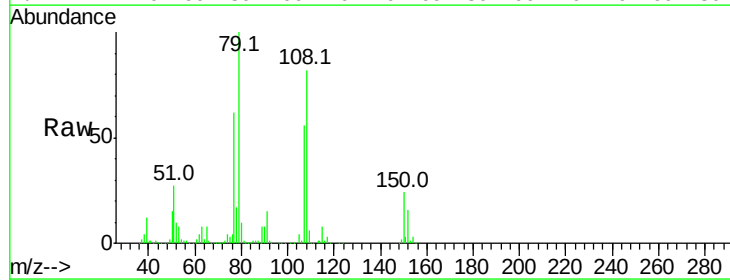
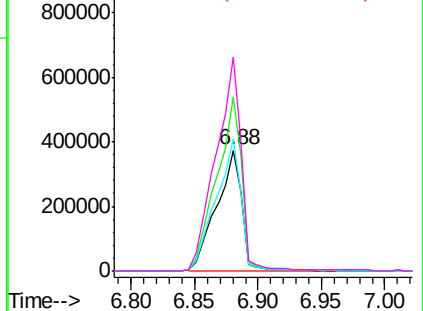
Abundance

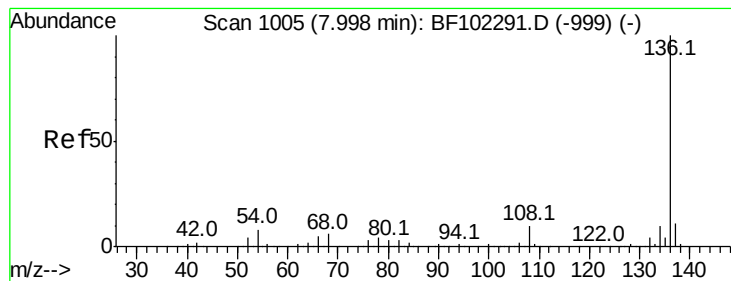
Ion 107.00 (106.70 to 107.70): E

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: BF102403.D

Acq: 24 Jan 2018 21:27

Instrument :

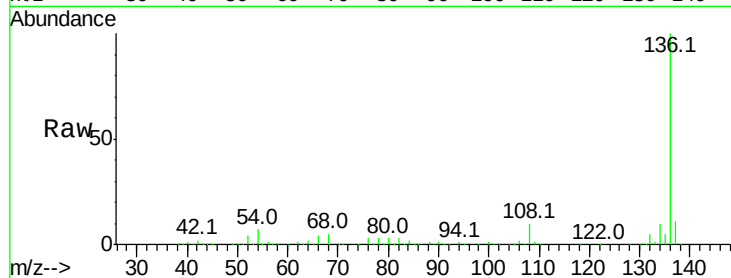
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 468078

Ion Ratio Lower Upper

136	100		
137	10.8	8.9	13.3
54	7.3	6.6	9.8
68	4.8	5.0	7.4#

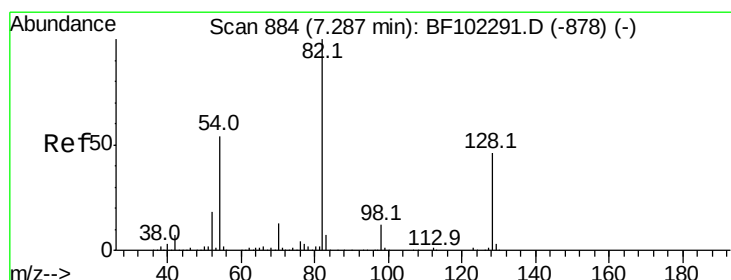
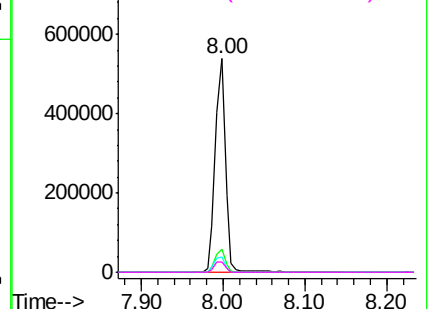
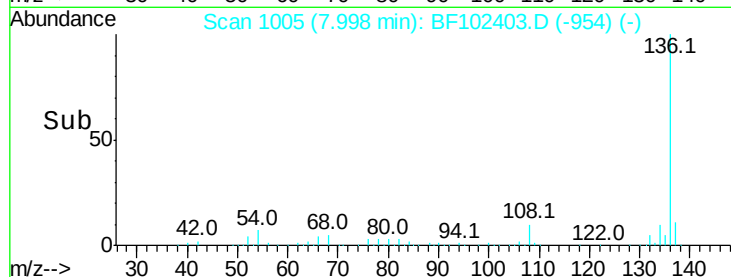


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.459 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

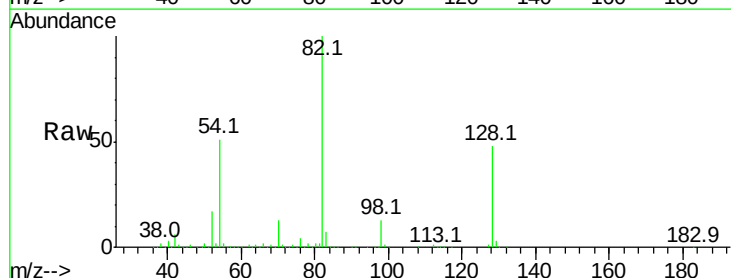
Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

Tgt Ion: 82 Resp: 712365

Ion Ratio Lower Upper

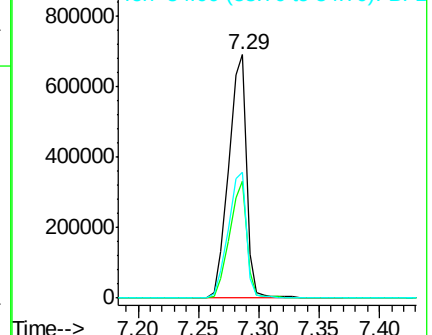
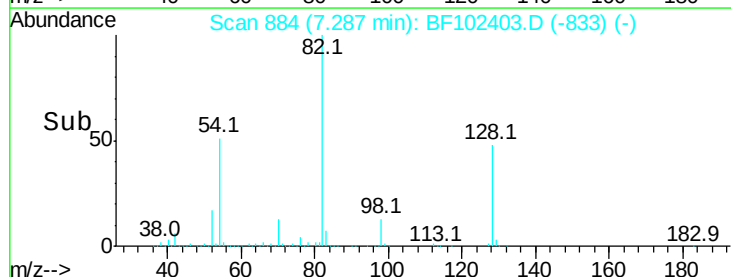
82	100		
128	48.1	36.1	54.1
54	51.5	41.4	62.2

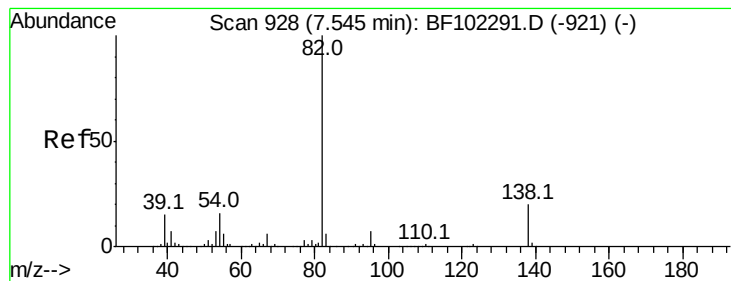


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.773 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

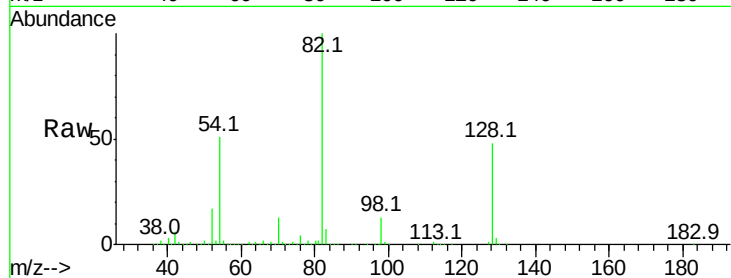
Tot Ion: 82 Resp: 708225

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

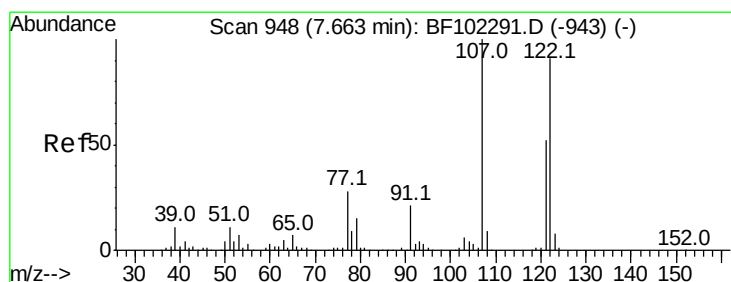
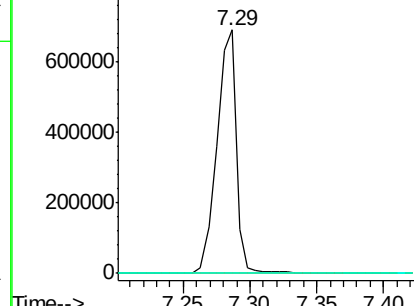
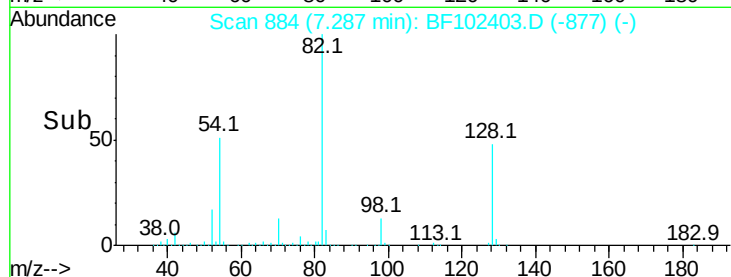
138 0.0 14.9 22.3#



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: 10.759 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.11 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

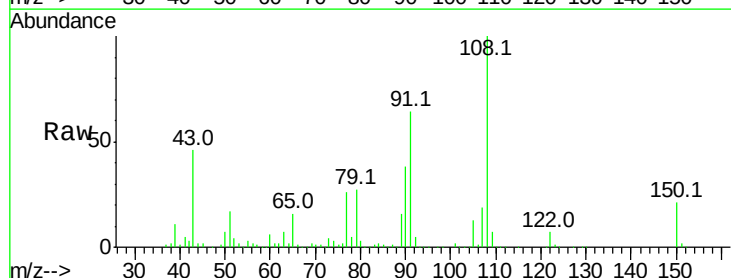
Tgt Ion: 122 Resp: 68540

Ion Ratio Lower Upper

122 100

107 251.9 91.2 136.8#

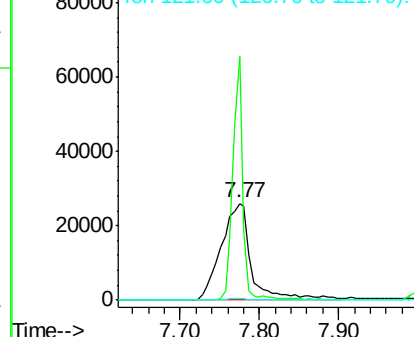
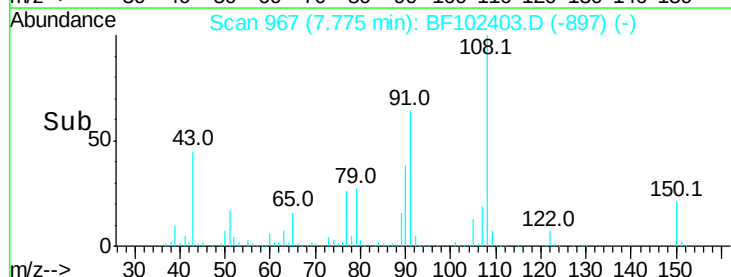
121 1.8 47.2 70.8#

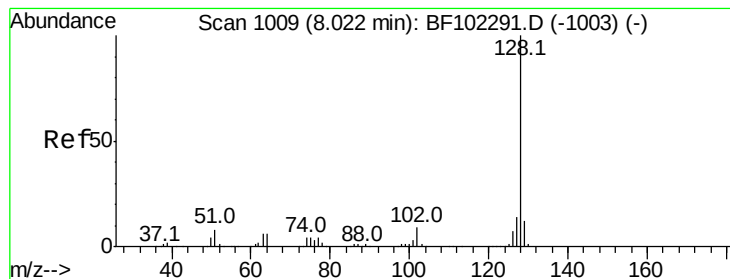


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 7.453 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

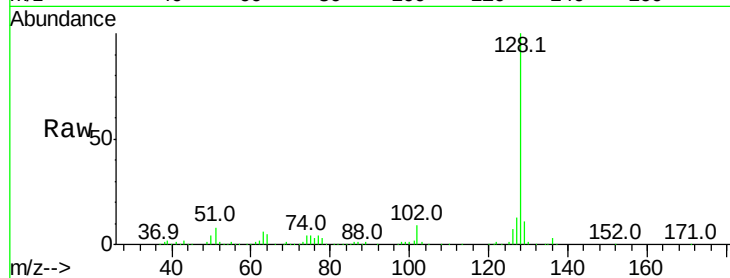
Tot Ion:128 Resp: 174187

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

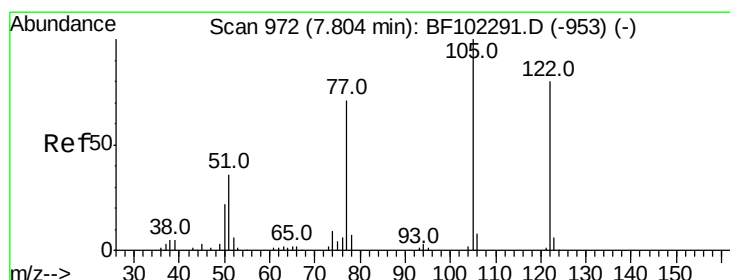
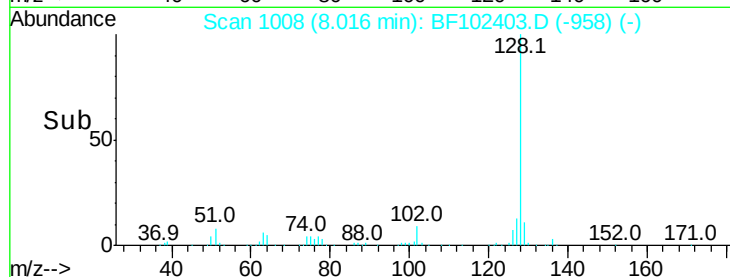
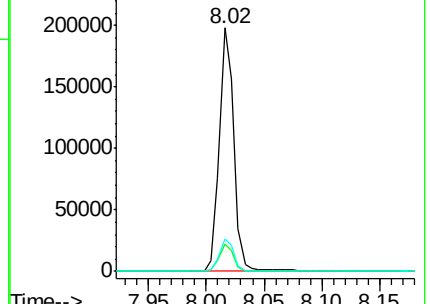
127 13.1 10.9 16.3



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: 12.842 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.03 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

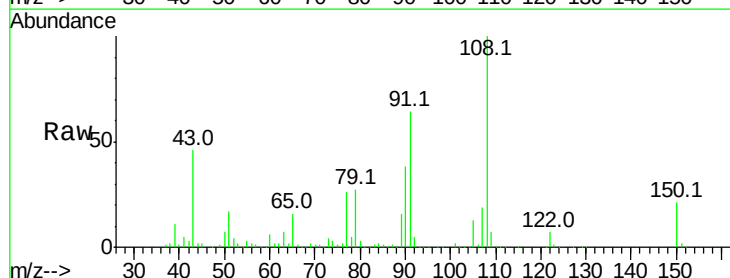
Tgt Ion:122 Resp: 68540

Ion Ratio Lower Upper

122 100

105 179.9 101.1 141.1#

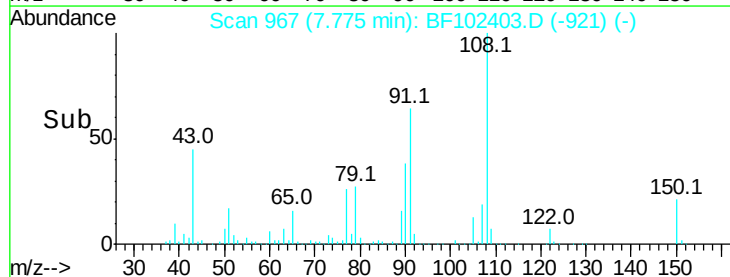
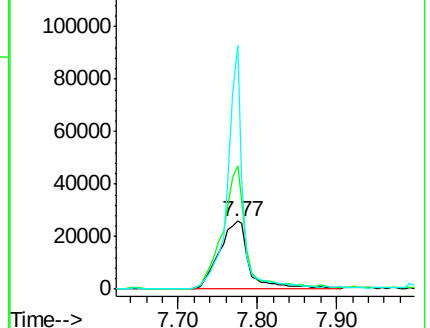
77 357.0 70.7 110.7#

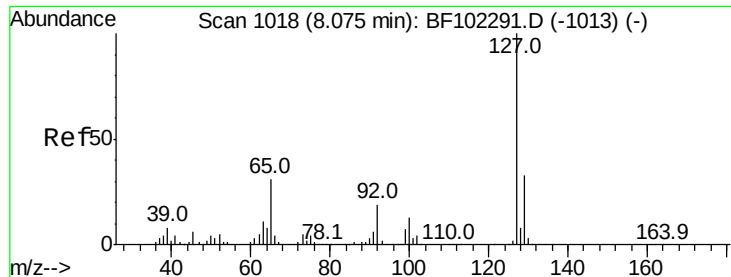


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

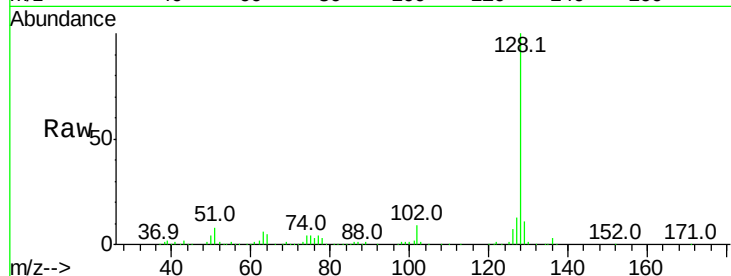




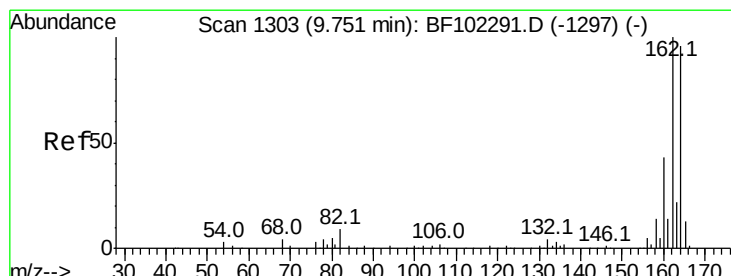
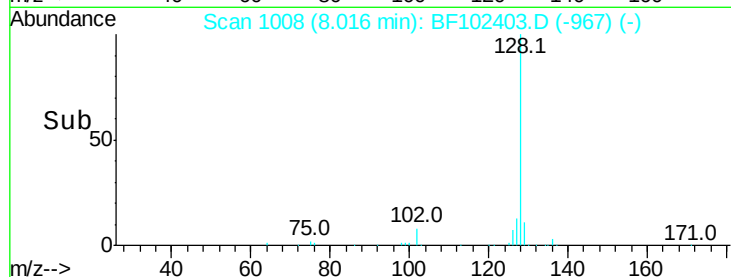
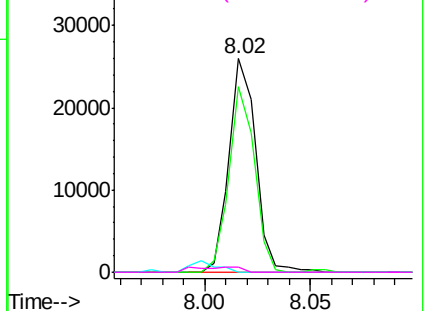
#33
4-Chloroaniline
Concen: 2.313 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.06 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	22734
Ion	Ratio	Lower	Upper
127	100		
129	86.9	25.9	38.9#
65	0.0	25.0	37.4#
92	2.2	15.2	22.8#

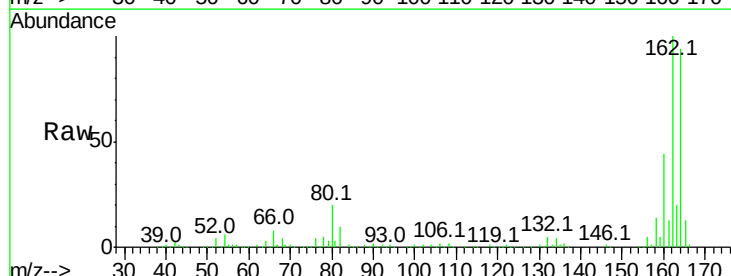


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

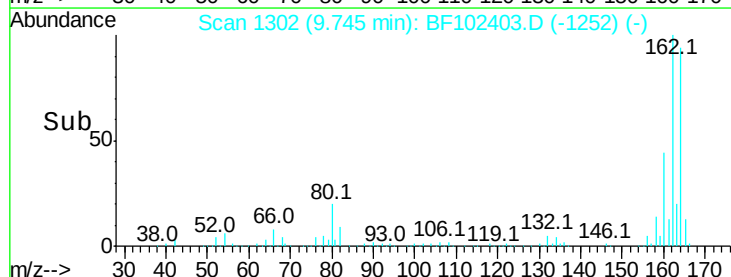
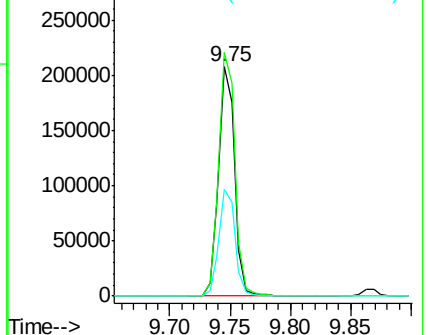


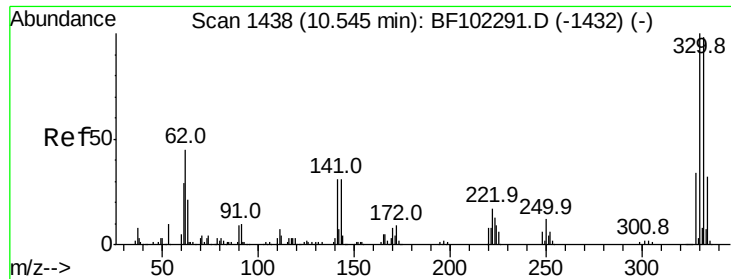
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102403.D
Acq: 24 Jan 2018 21:27

Tgt Ion:	164	Resp:	188726
Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	46.5	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

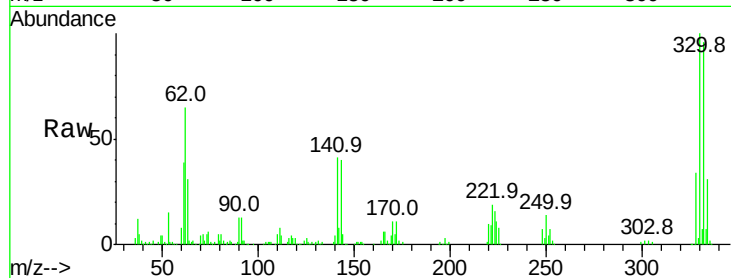




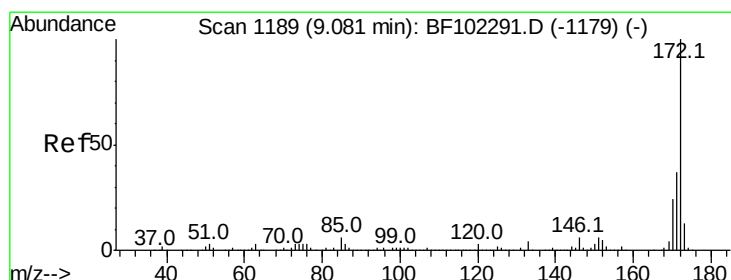
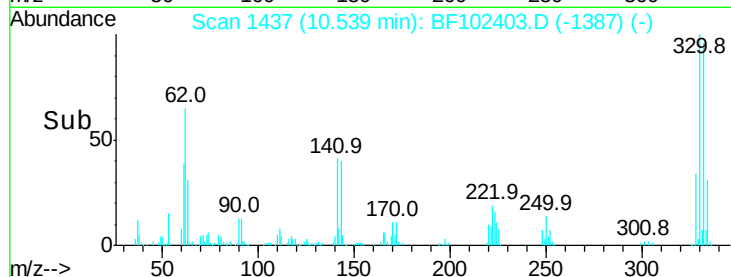
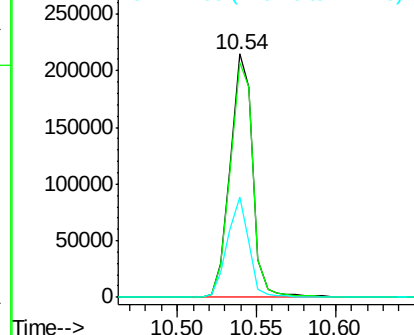
#41
 2,4,6-Tribromophenol
 Concen: 113.415 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 212086
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 39.6 29.9 44.9

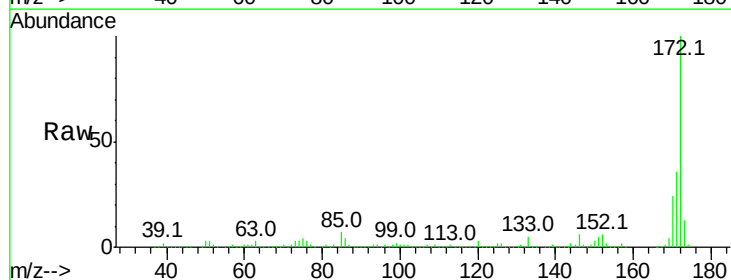


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

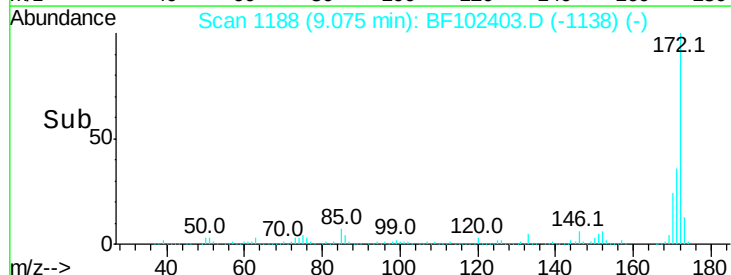
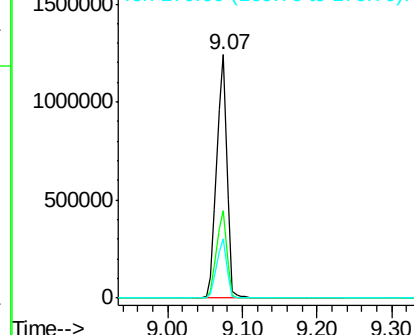


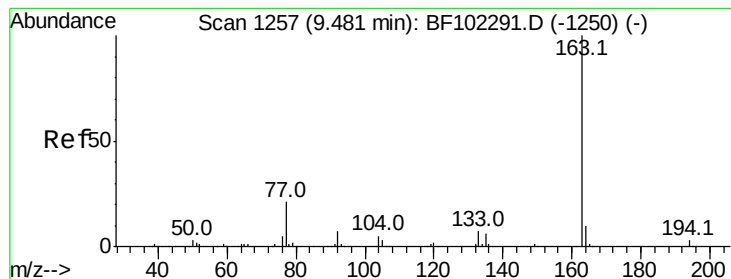
#44
 2-Fluorobiphenyl
 Concen: 93.175 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Tgt Ion:172 Resp: 1195945
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.2 19.6 29.4



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





#49

Dimethylphthalate

Concen: 2.080 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

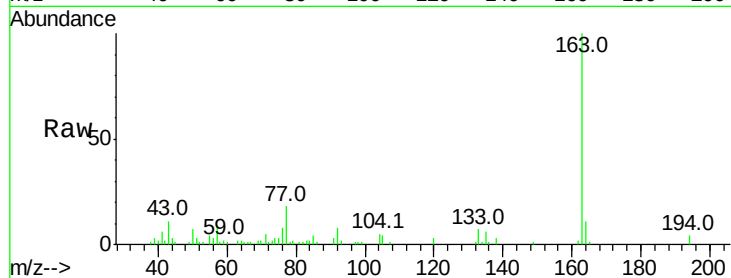
Tot Ion:163 Resp: 32446

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

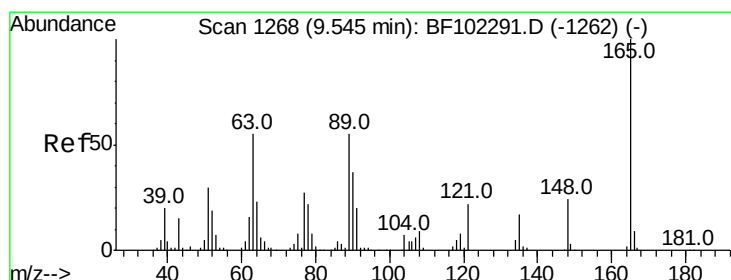
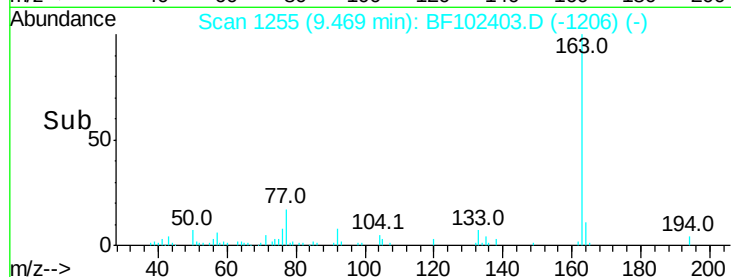
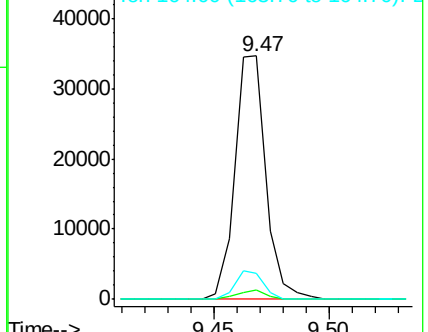
164 10.6 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.293 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF102403.D

Acq: 24 Jan 2018 21:27

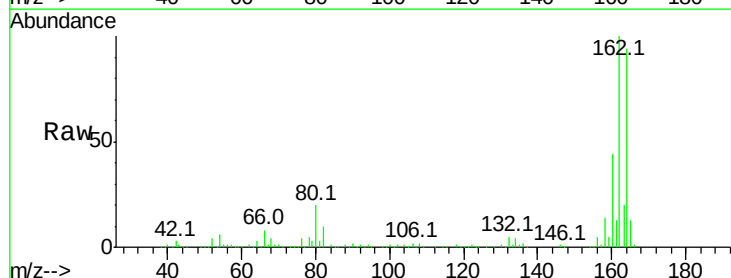
Tgt Ion:165 Resp: 24529

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

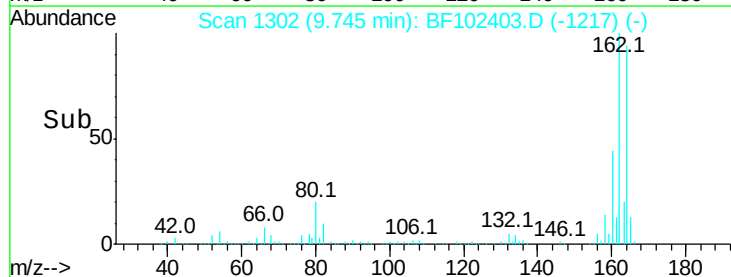
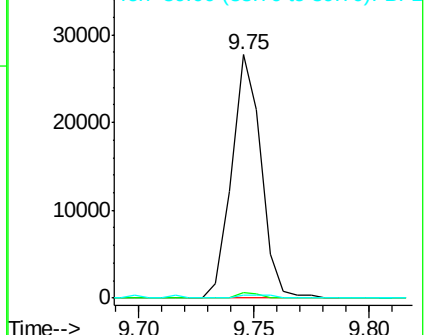
89 1.4 44.0 66.0#

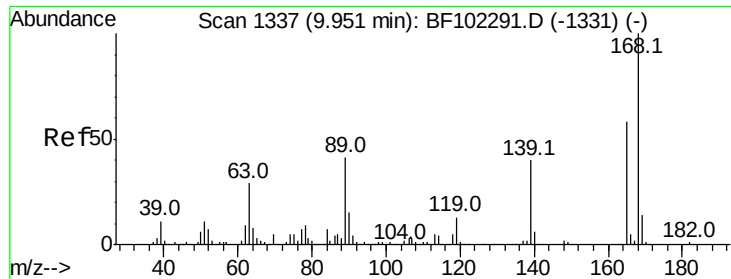


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

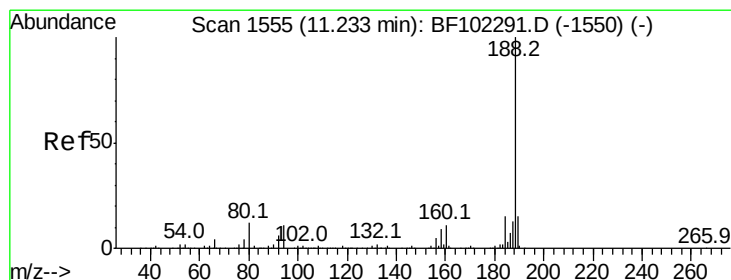
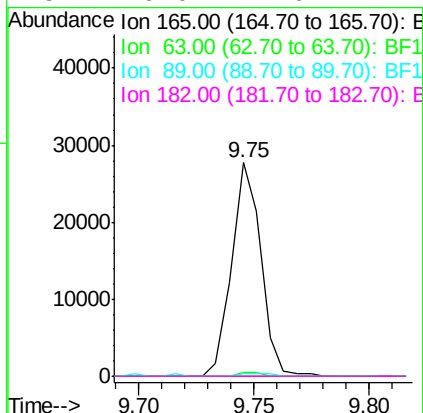
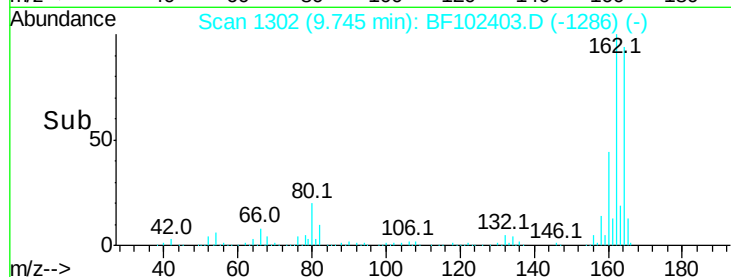
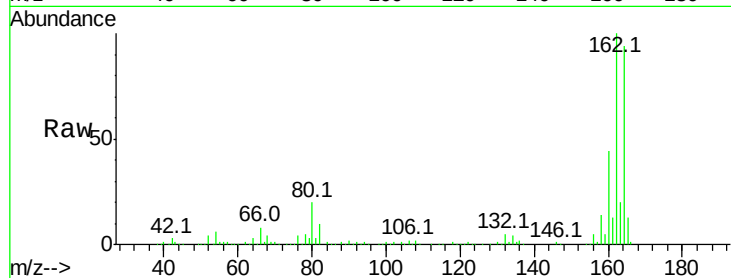




#56
 2,4-Dinitrotoluene
 Concen: 5.931 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

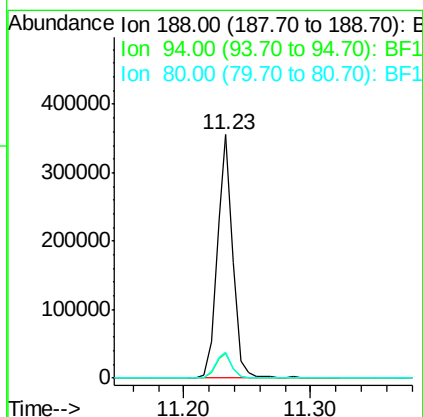
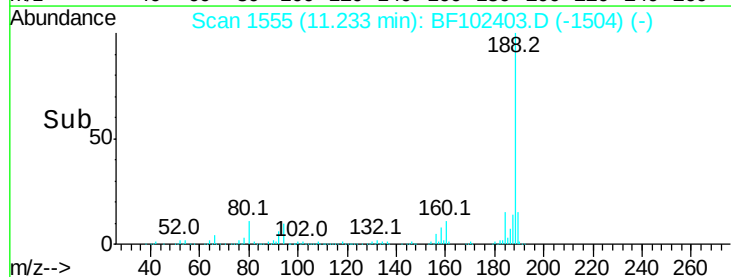
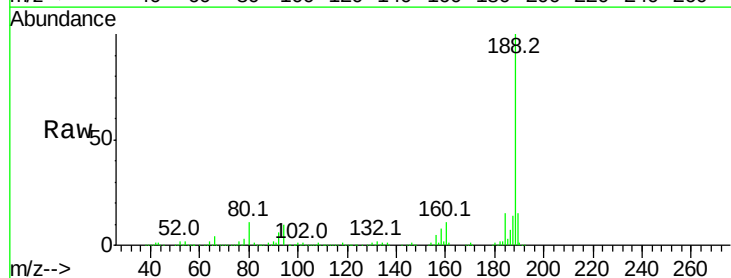
Instrument :
 BNA_F
 ClientSampleId :

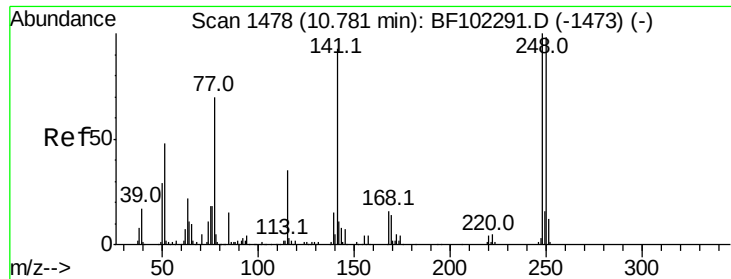
Tot Ion:165	Resp:	24529
Ion Ratio	Lower	Upper
165	100	
63	2.1	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Tgt Ion:188	Resp:	304505
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.5 12.7
80	10.8	9.2 13.8

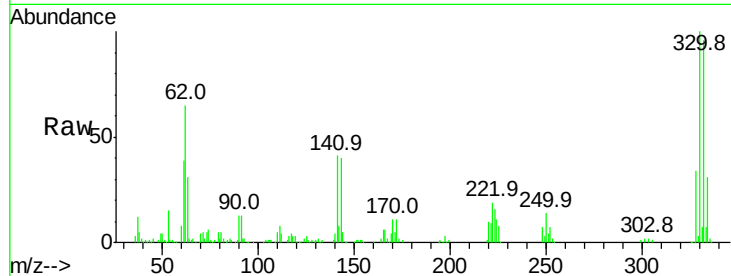




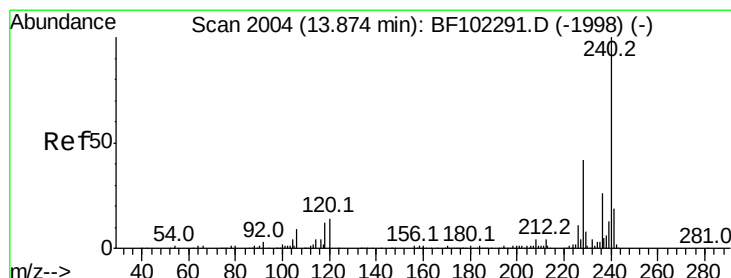
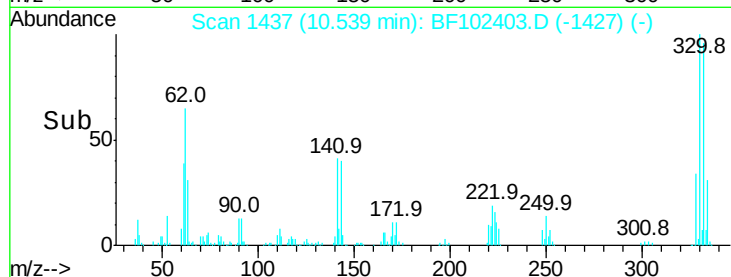
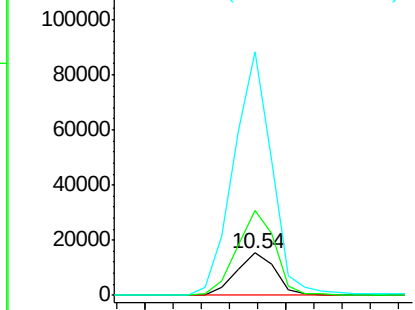
#66
 4-Bromophenyl-phenylether
 Concen: 4.472 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14660
 Ion Ratio Lower Upper
 248 100
 250 200.7 76.9 115.3#
 141 572.2 74.4 111.6#

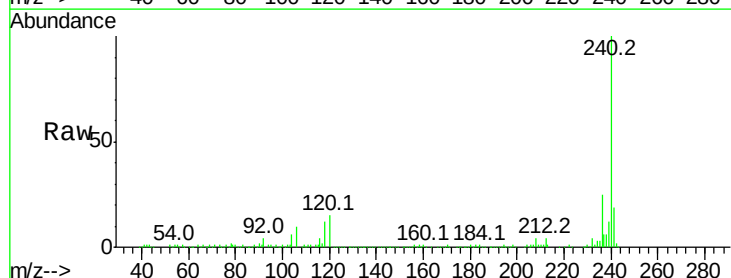


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

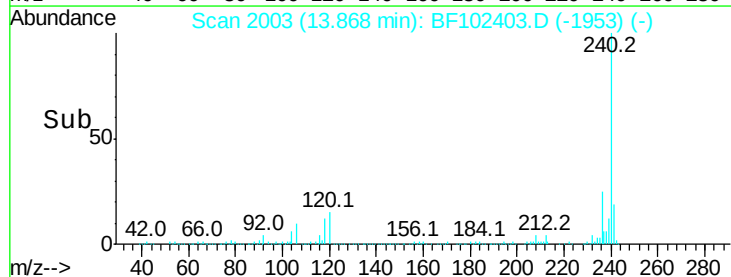
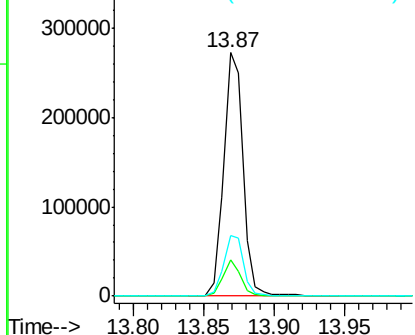


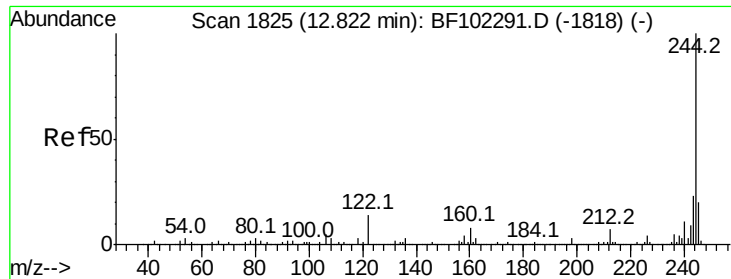
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Tgt Ion:240 Resp: 260815
 Ion Ratio Lower Upper
 240 100
 120 14.6 9.5 14.3#
 236 24.9 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

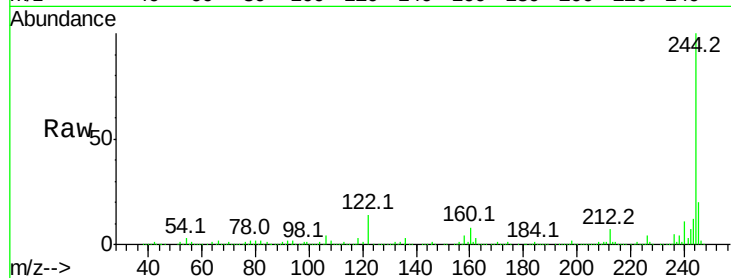




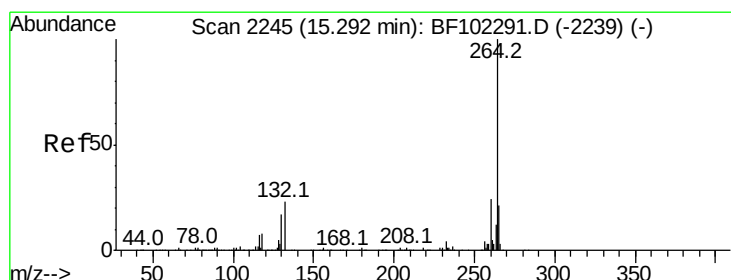
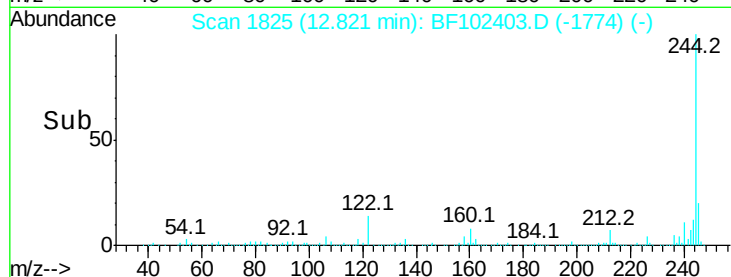
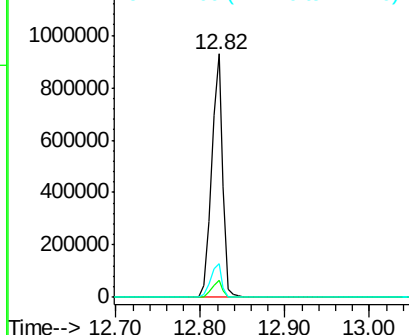
#78
 Terphenyl-d14
 Concen: 75.005 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 867761
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.9 11.0 16.4

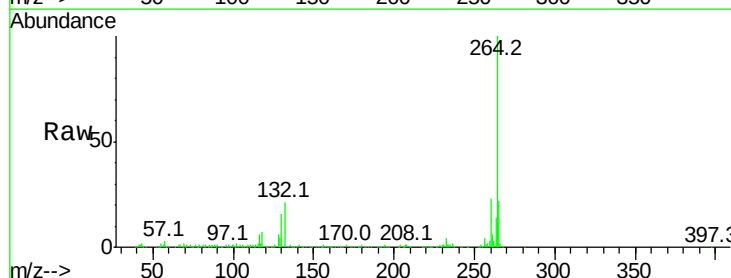


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102403.D
 Acq: 24 Jan 2018 21:27

Tgt Ion:264 Resp: 249708
 Ion Ratio Lower Upper
 264 100
 260 23.1 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

