

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102402.D
 Acq On : 24 Jan 2018 21:00
 Operator : SJ/JU
 Sample : J1254-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:11:02 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	125372	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	512758	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	218261	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	344142	20.00	ng	0.00
75) Chrysene-d12	13.87	240	251734	20.00	ng	0.00
86) Perylene-d12	15.30	264	245339	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	926779	112.09	ng	0.02
7) Phenol-d6	6.36	99	1050560	105.39	ng	0.00
23) Nitrobenzene-d5	7.29	82	759302	85.10	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	235391	108.84	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1264047	85.15	ng	0.00
78) Terphenyl-d14	12.82	244	854508	76.52	ng	0.00

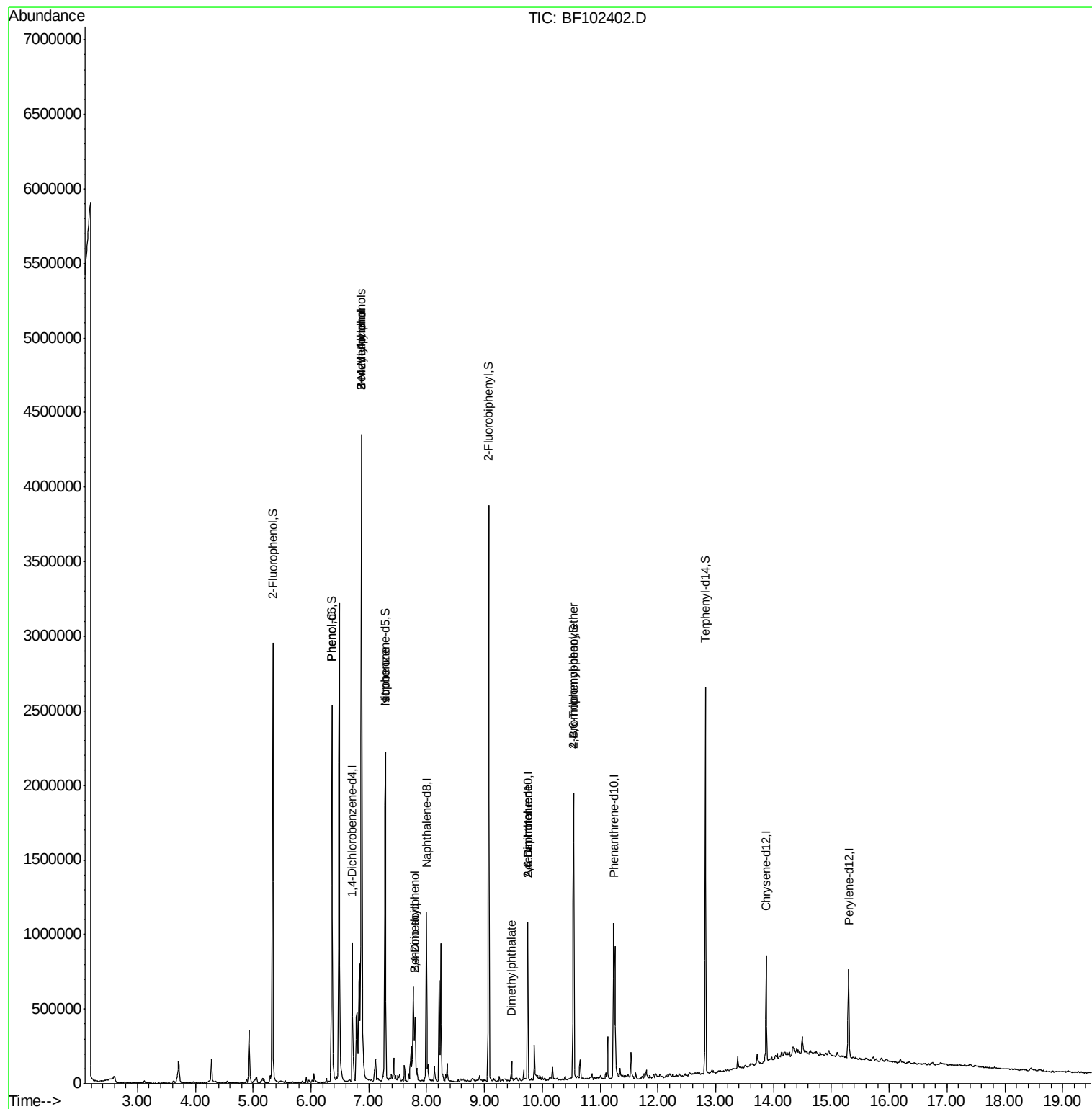
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	39014	3.585	ng	# 57
15) Benzyl Alcohol	6.88	79	656582	93.352	ng	97
17) 2-Methylphenol	6.88	107	369396	49.072	ng	# 19
20) 3+4-Methylphenols	6.88	107	360709	40.743	ng	# 1
25) Isophorone	7.29	82	750783	47.199	ng	# 64
27) 2,4-Dimethylphenol	7.80	122	179612	25.738	ng	# 5
32) Benzoic acid	7.80	122	179612	30.721	ng	97
49) Dimethylphthalate	9.47	163	43303	2.400	ng	97
50) 2,6-Dinitrotoluene	9.75	165	27418	7.049	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	27418	5.732	ng	# 24
66) 4-Bromophenyl-phenylether	10.54	248	15144	4.088	ng	# 1

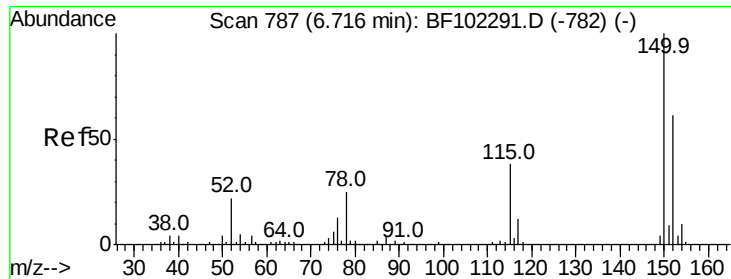
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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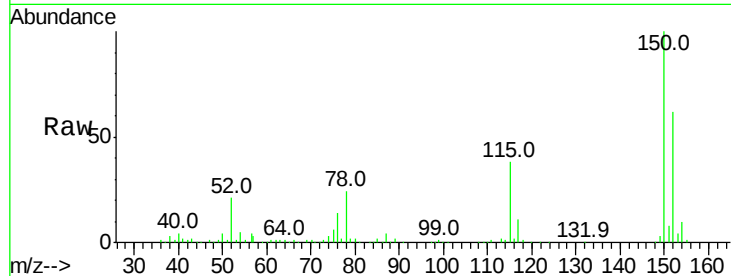


#1

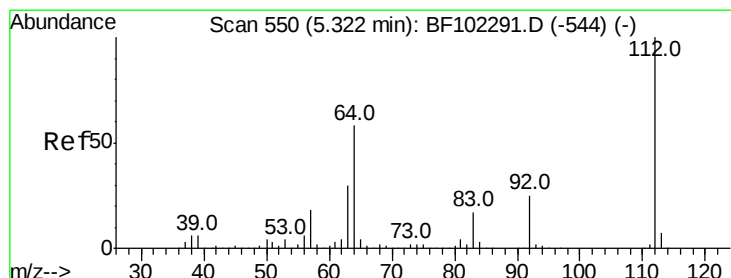
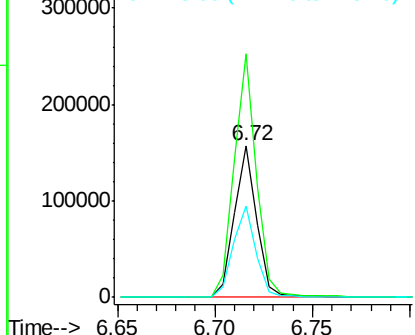
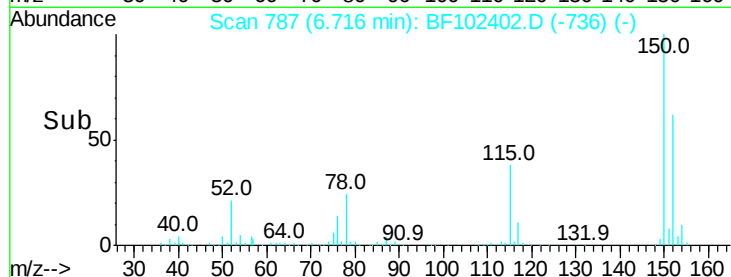
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125372
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 60.4 50.1 75.1



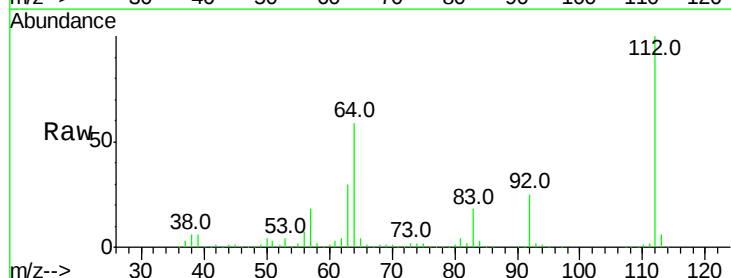
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



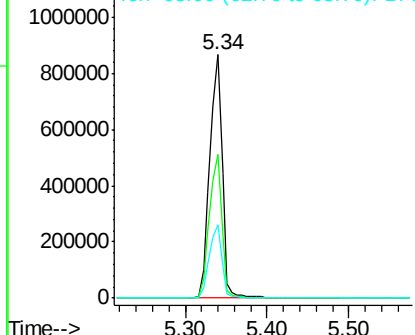
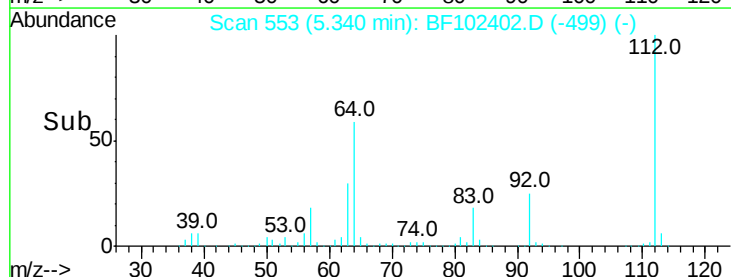
#5

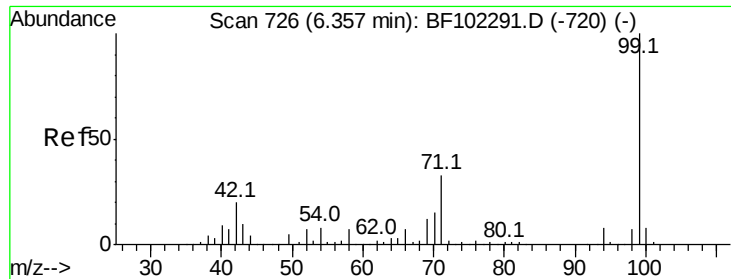
2-Fluorophenol
Concen: 112.085 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Tgt Ion:112 Resp: 926779
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.9 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: 105.389 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

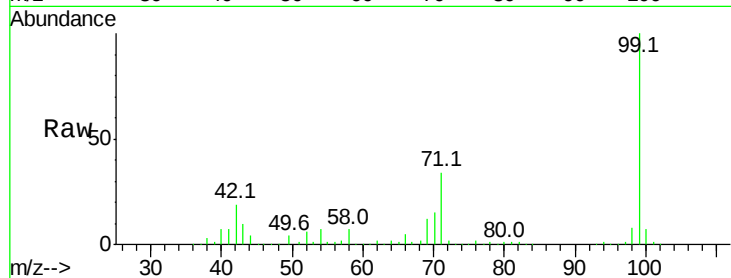
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1050560

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.5	21.7
71	33.7	25.4	38.0

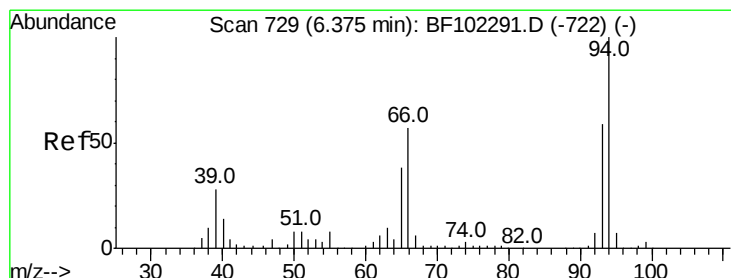
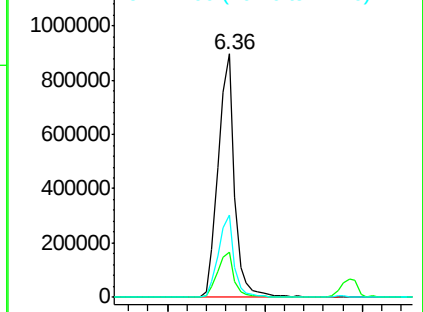
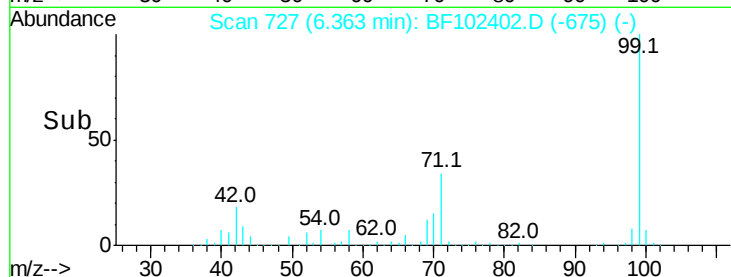


Abundance

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: 3.585 ng

RT: 6.37 min Scan# 728

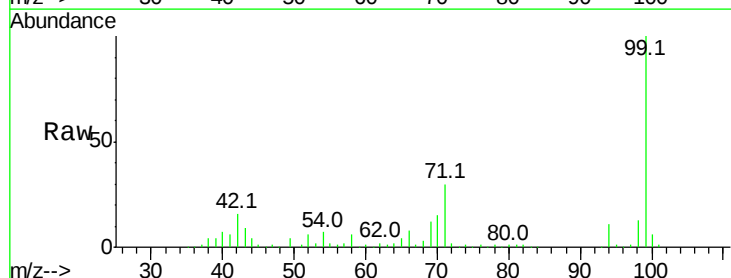
Delta R.T. -0.01 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

Tgt Ion: 94 Resp: 39014

Ion	Ratio	Lower	Upper
94	100		
65	36.8	7.9	47.9
66	73.7	16.2	56.2

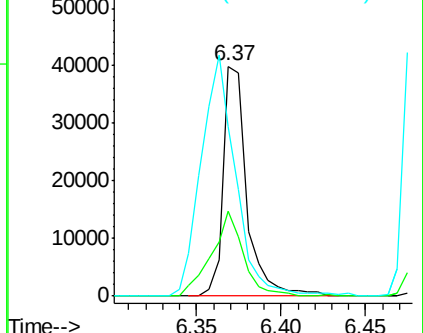
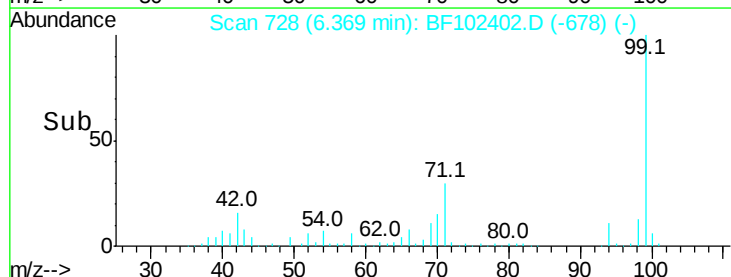


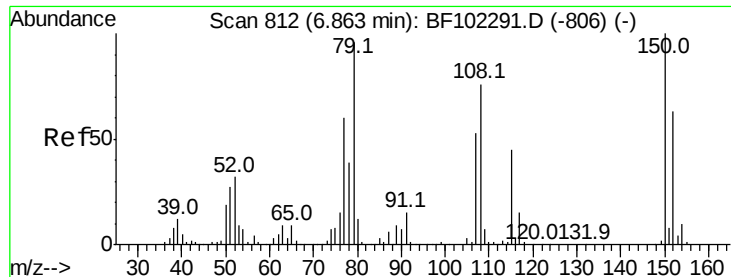
Abundance

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

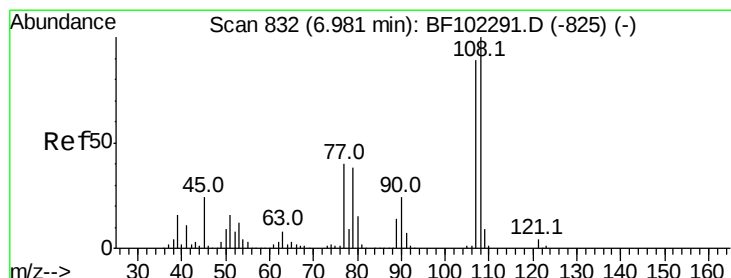
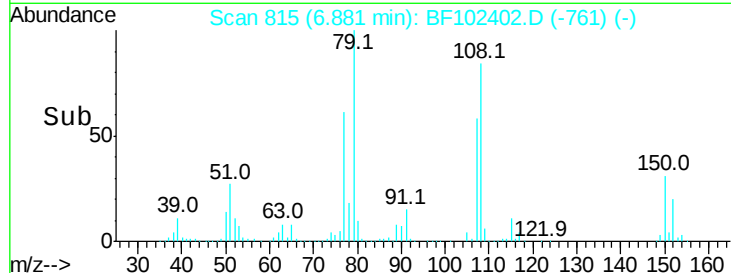
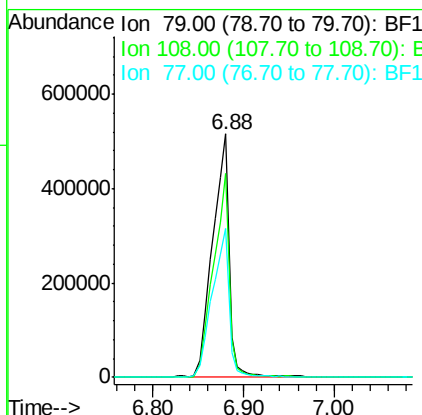
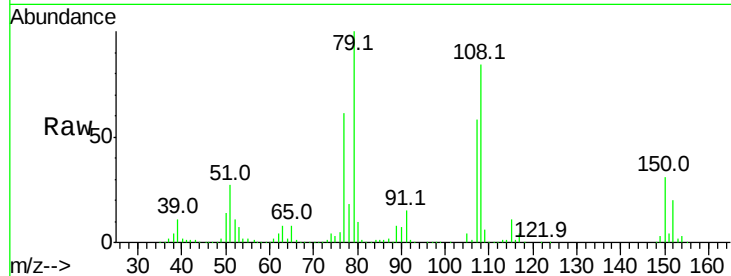




#15
Benzyl Alcohol
Concen: 93.352 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.02 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

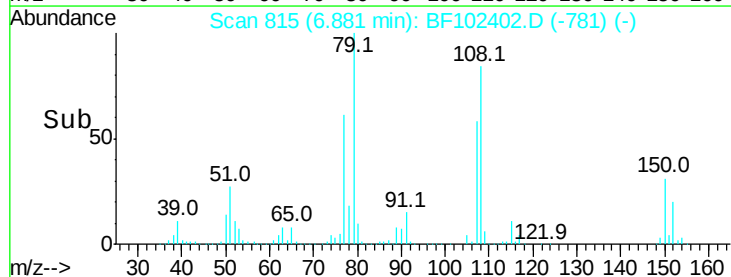
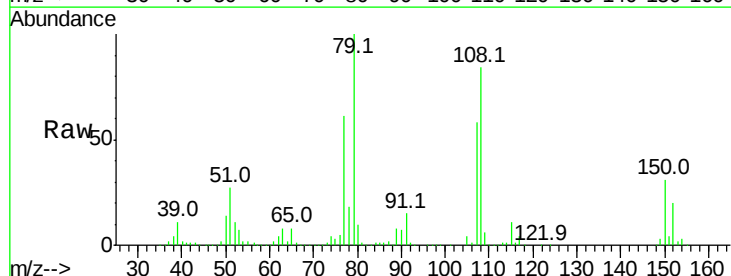
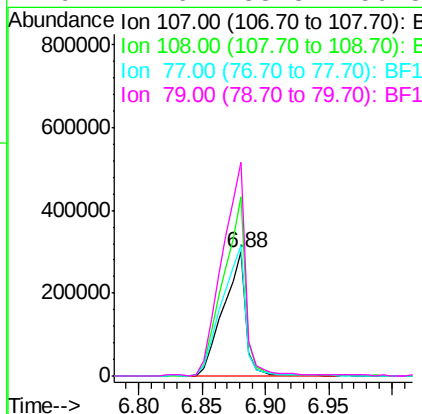
Instrument :
BNA_F
ClientSampleId :

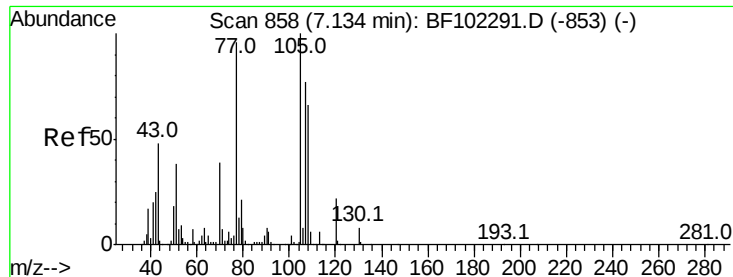
Tot Ion: 79 Resp: 656582
Ion Ratio Lower Upper
79 100
108 84.0 65.1 97.7
77 61.3 50.6 75.8



#17
2-Methylphenol
Concen: 49.072 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.10 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Tgt Ion: 107 Resp: 369396
Ion Ratio Lower Upper
107 100
108 144.9 91.7 137.5#
77 105.8 33.8 50.8#
79 172.6 33.8 50.8#





#20

3+4-Methylphenols

Concen: 40.743 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.25 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 360709

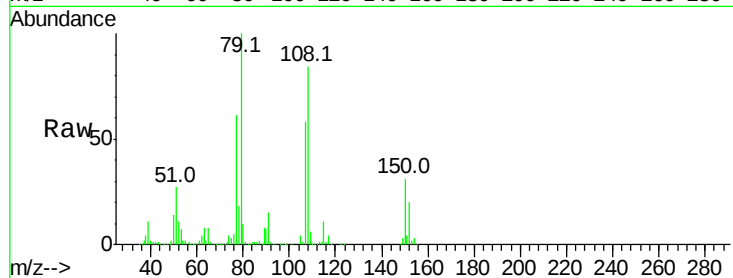
Ion Ratio Lower Upper

107 100

108 144.9 68.2 108.2#

77 105.8 26.7 66.7#

79 172.6 6.3 46.3#

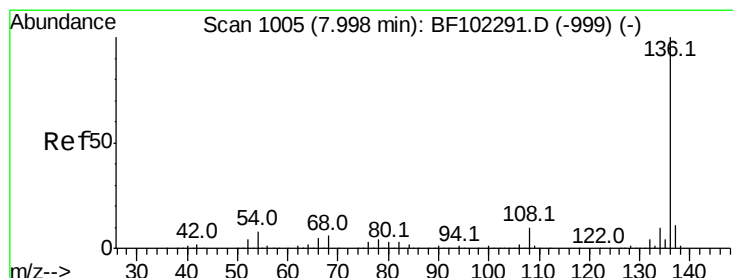
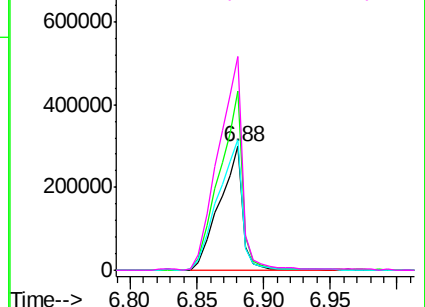
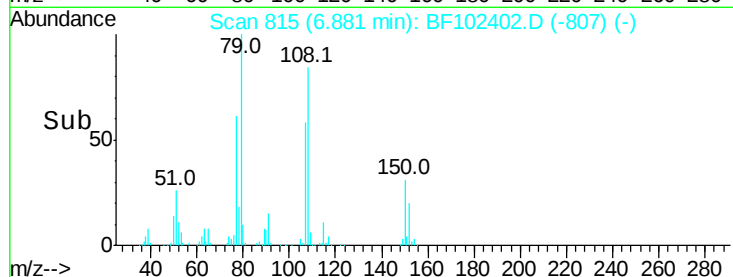


Abundance Ion 107.00 (106.70 to 107.70): E

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: BF102402.D

Acq: 24 Jan 2018 21:00

Tgt Ion:136 Resp: 512758

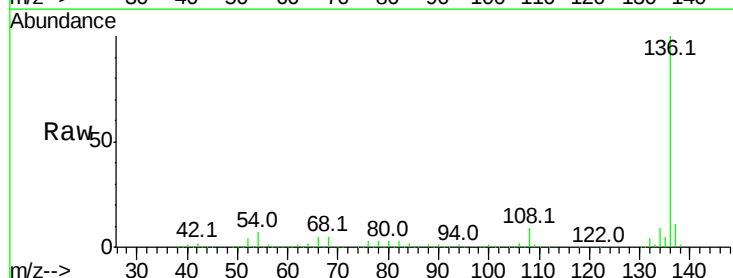
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.3 6.6 9.8

68 5.1 5.0 7.4

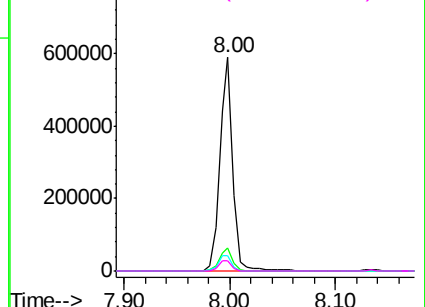
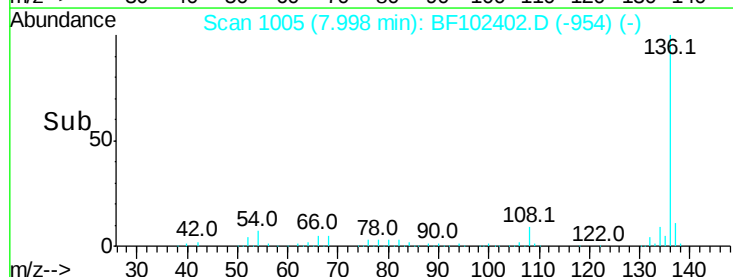


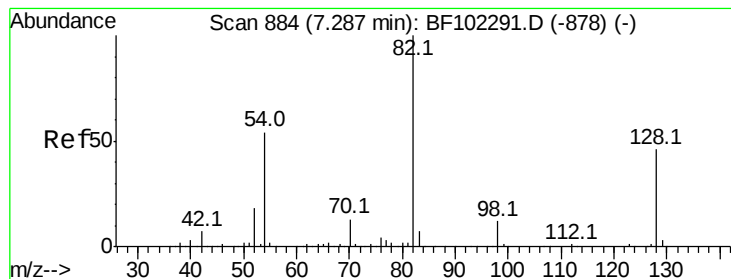
Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.098 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

Instrument :

BNA_F

ClientSampled :

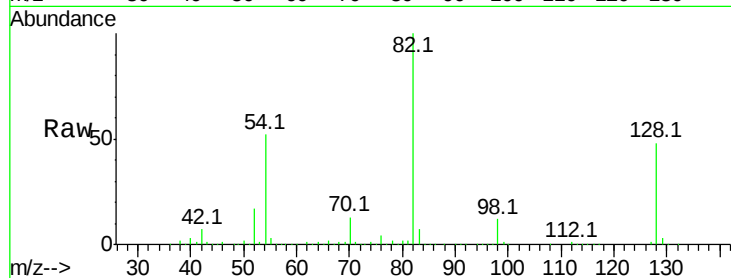
Tot Ion: 82 Resp: 759302

Ion Ratio Lower Upper

82 100

128 48.1 36.1 54.1

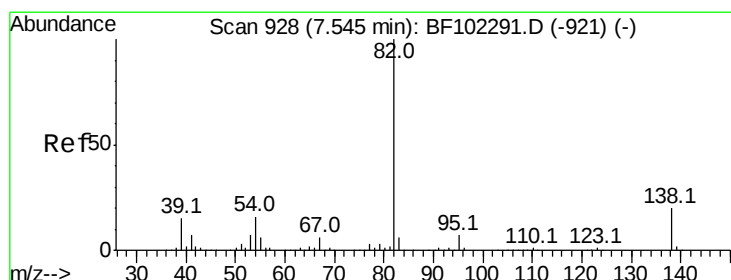
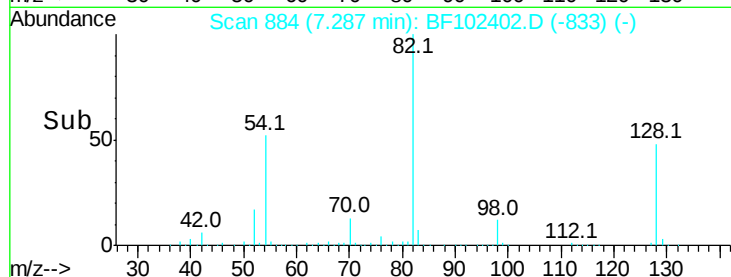
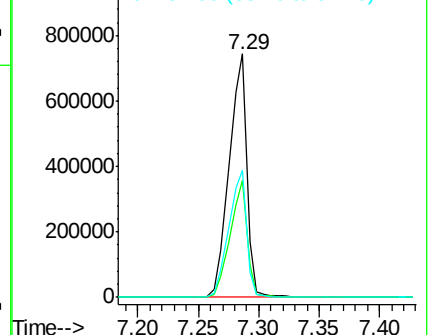
54 52.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 47.199 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

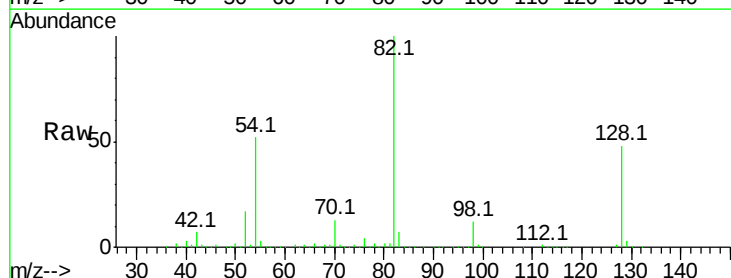
Tgt Ion: 82 Resp: 750783

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

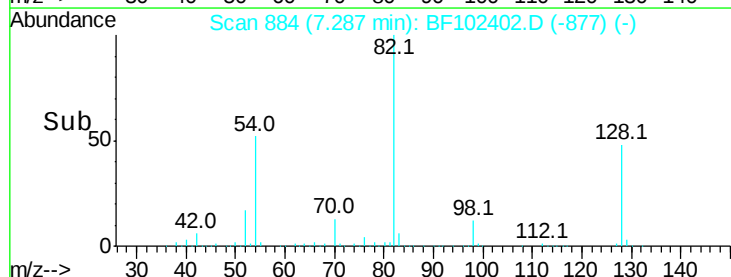
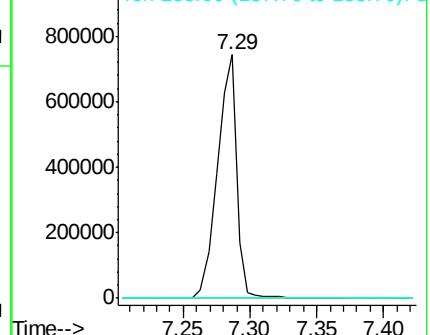
138 0.0 14.9 22.3#

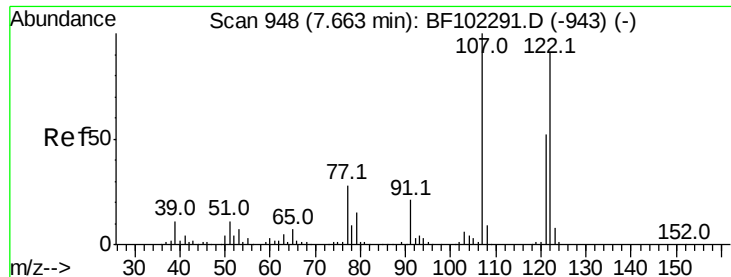


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

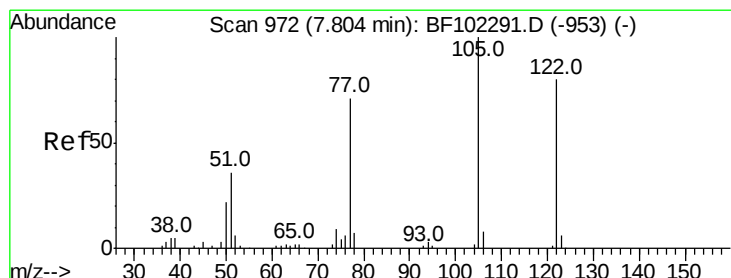
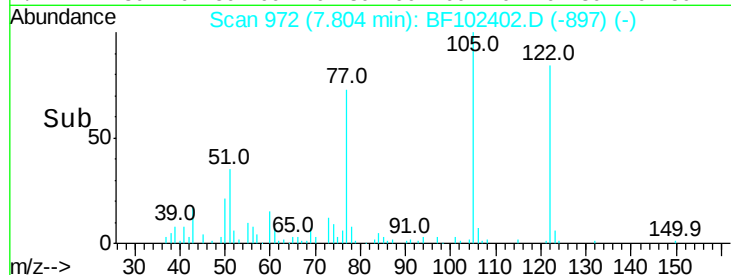
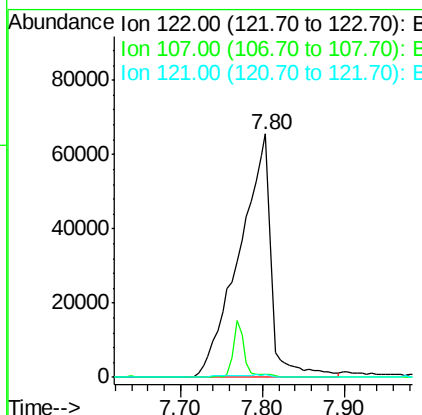
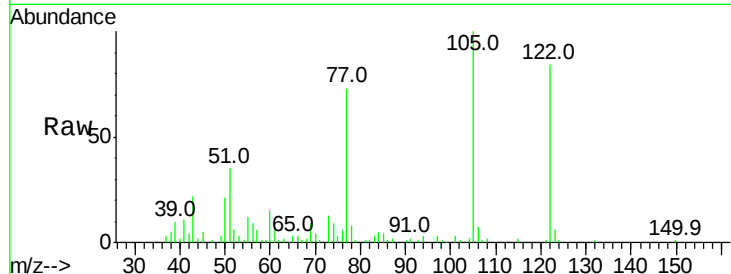




#27
2,4-Dimethylphenol
Concen: 25.738 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.14 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

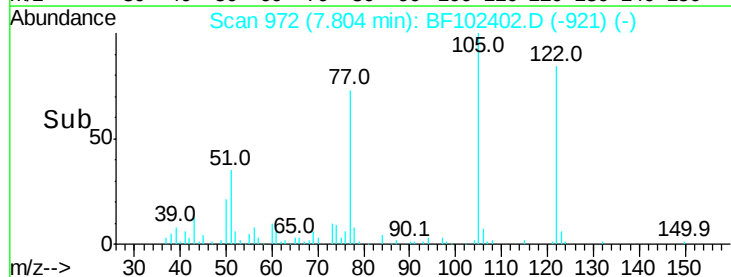
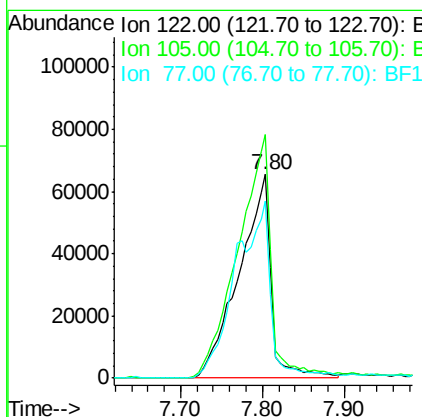
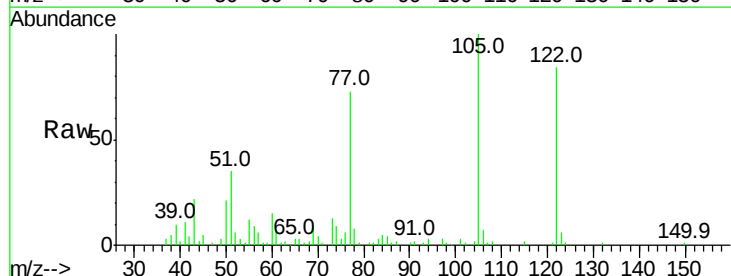
Instrument :
BNA_F
ClientSampleId :

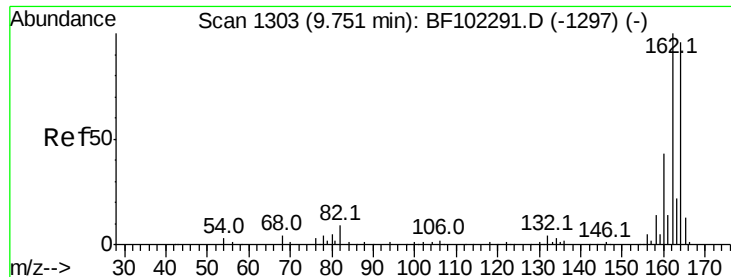
Tot Ion:122 Resp: 179612
Ion Ratio Lower Upper
122 100
107 1.1 91.2 136.8#
121 1.4 47.2 70.8#



#32
Benzoic acid
Concen: 30.721 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Tgt Ion:122 Resp: 179612
Ion Ratio Lower Upper
122 100
105 119.4 101.1 141.1
77 86.6 70.7 110.7

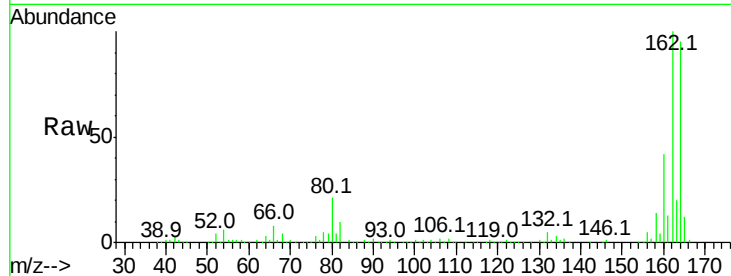




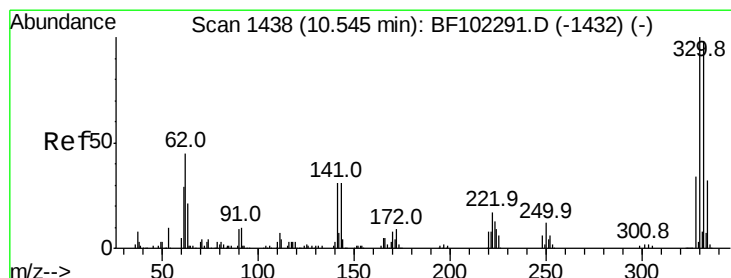
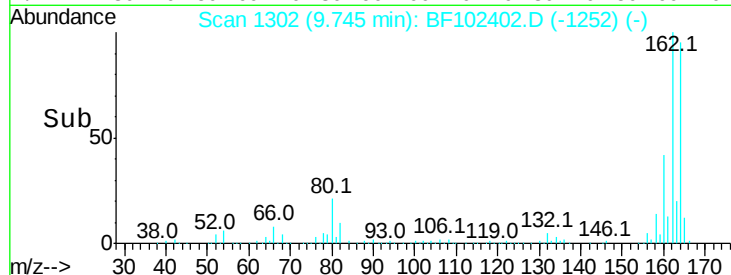
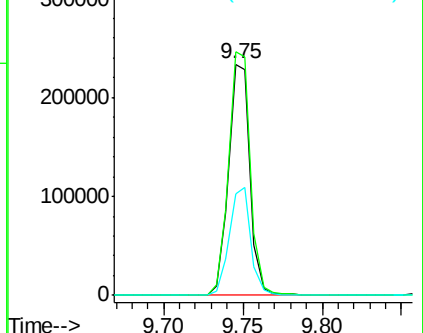
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 218261
 Ion Ratio Lower Upper
 164 100
 162 105.4 86.1 129.1
 160 43.9 38.3 57.5

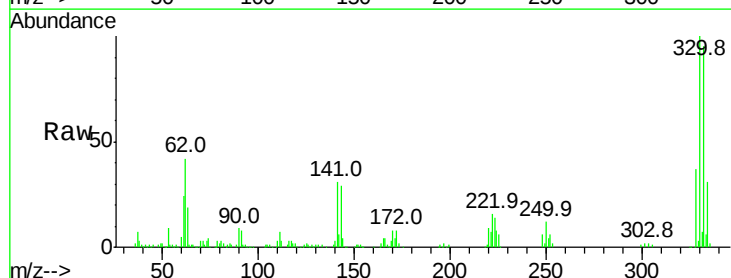


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

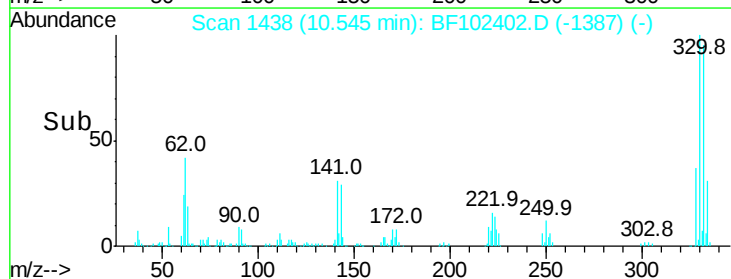
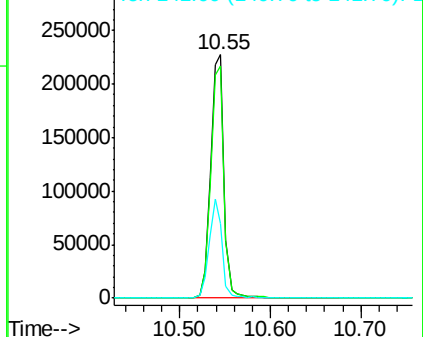


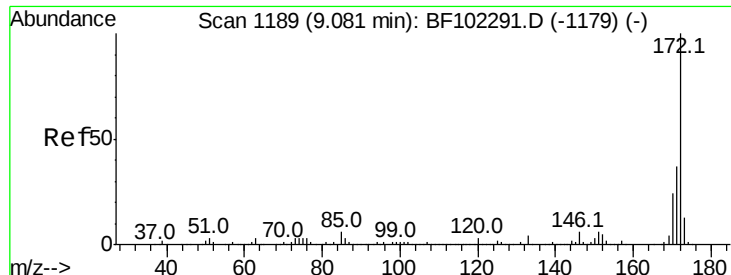
#41
 2,4,6-Tribromophenol
 Concen: 108.844 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

Tgt Ion:330 Resp: 235391
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 40.0 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



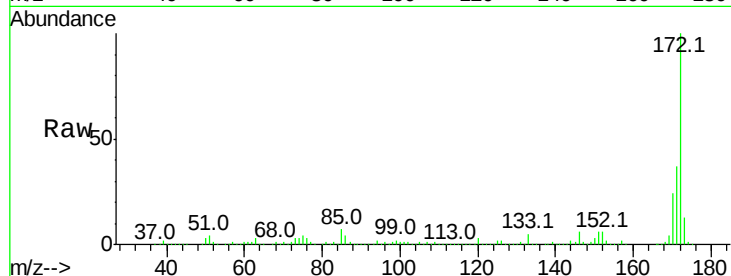


#44
 2-Fluorobiphenyl
 Concen: 85.155 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

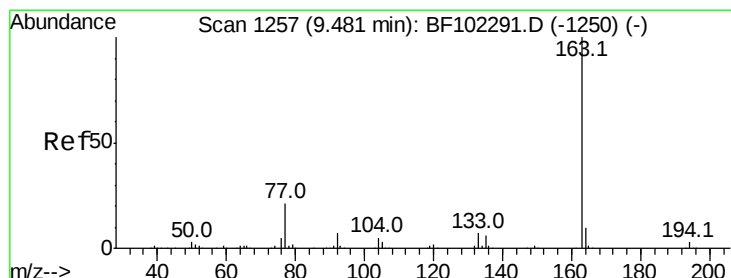
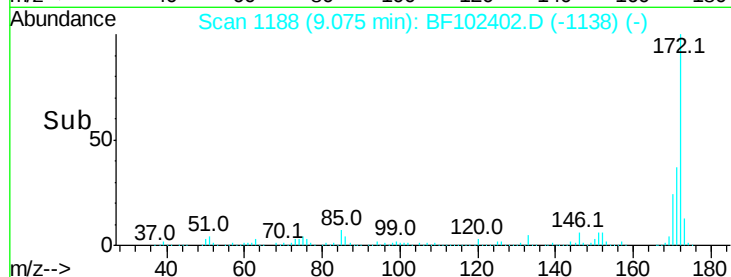
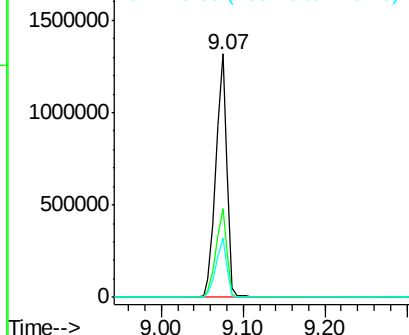
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1264047

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4



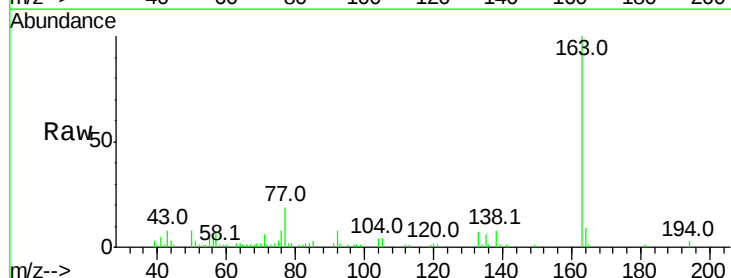
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



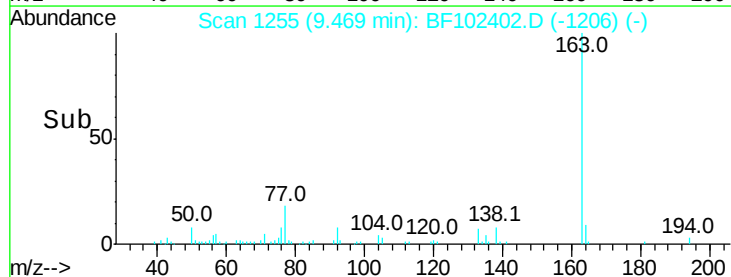
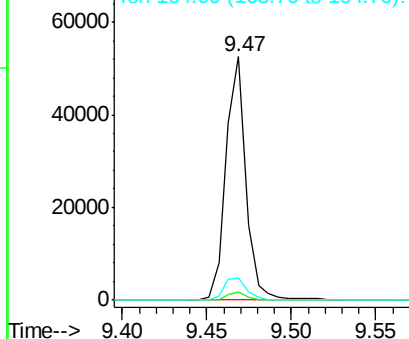
#49
 Dimethylphthalate
 Concen: 2.400 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

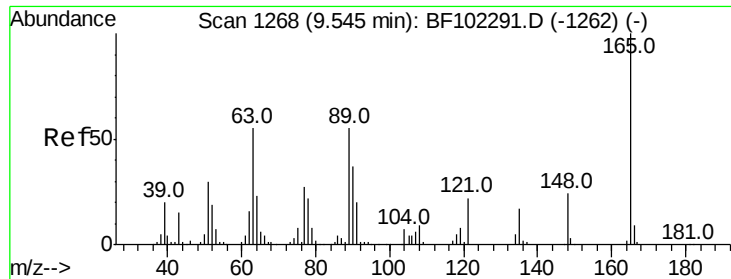
Tgt Ion:163 Resp: 43303

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	8.9	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

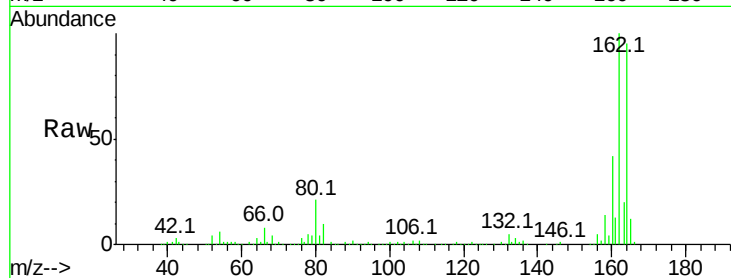




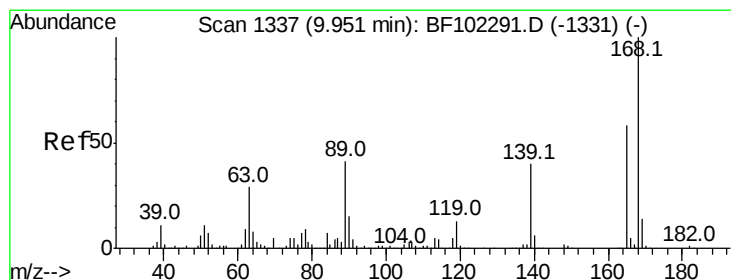
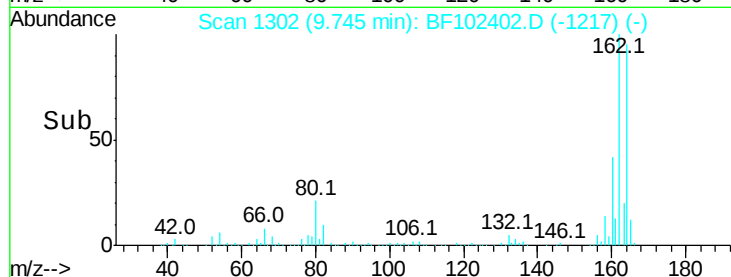
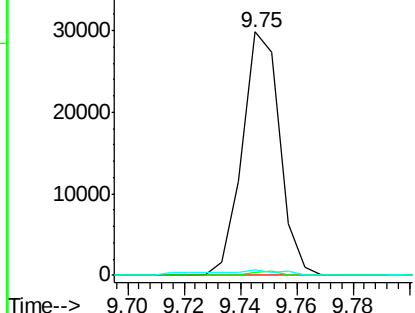
#50
 2,6-Dinitrotoluene
 Concen: 7.049 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 27418
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 2.3 44.0 66.0#

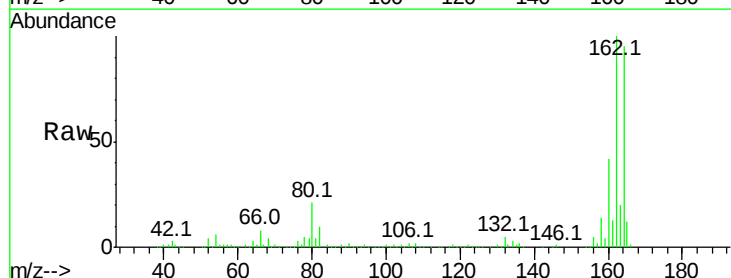


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

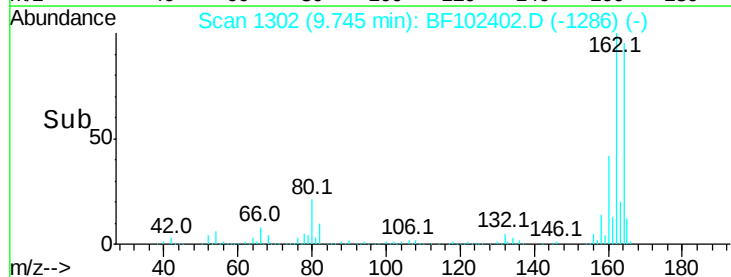
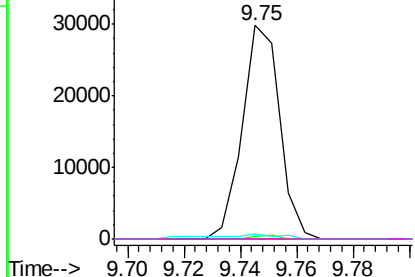


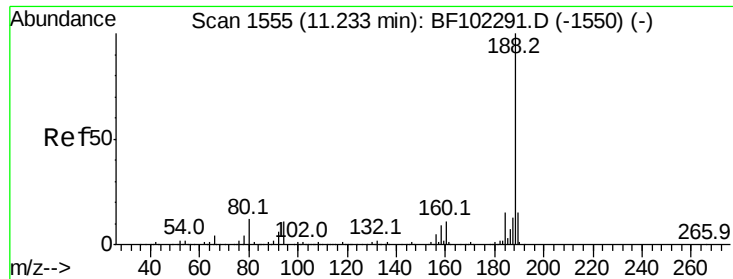
#56
 2,4-Dinitrotoluene
 Concen: 5.732 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102402.D
 Acq: 24 Jan 2018 21:00

Tgt Ion:165 Resp: 27418
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 2.3 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

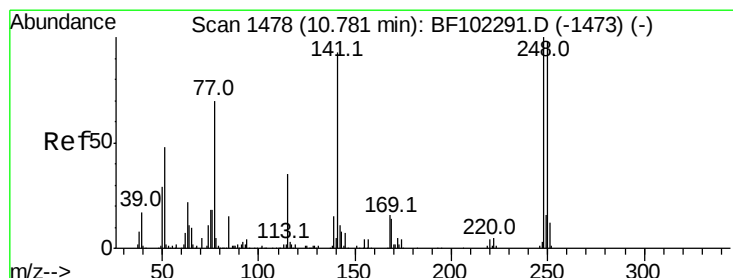
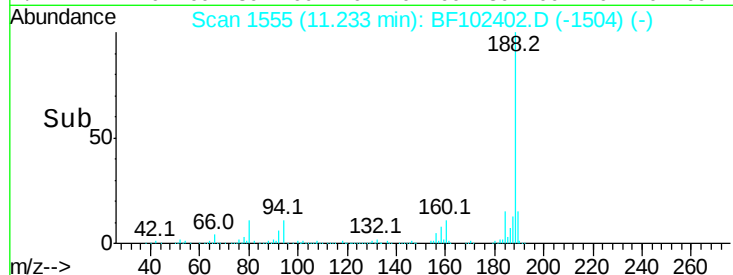
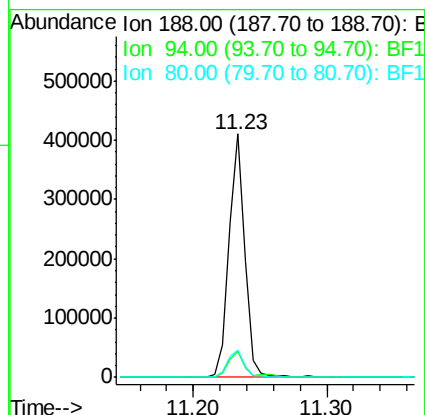
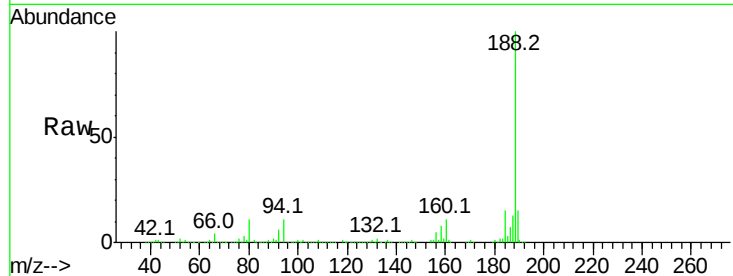




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

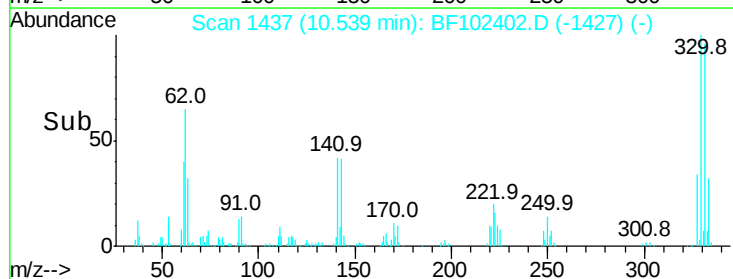
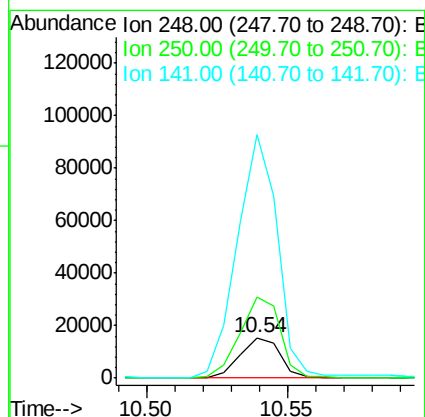
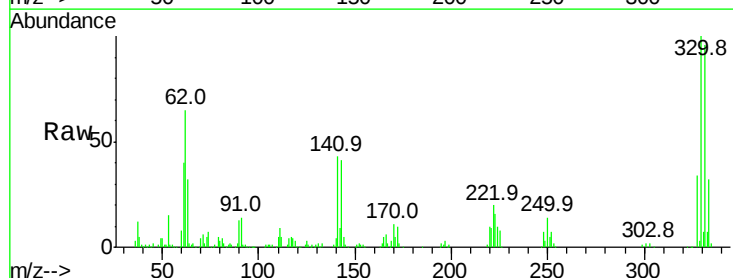
Instrument :
BNA_F
ClientSampleId :

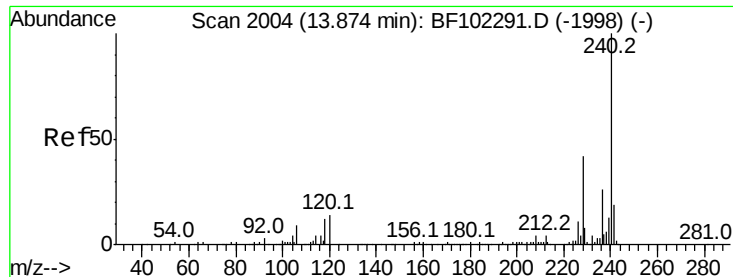
Tot Ion:188 Resp: 344142
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.088 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Tgt Ion:248 Resp: 15144
Ion Ratio Lower Upper
248 100
250 202.3 76.9 115.3#
141 604.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

Instrument :

BNA_F

ClientSampleId :

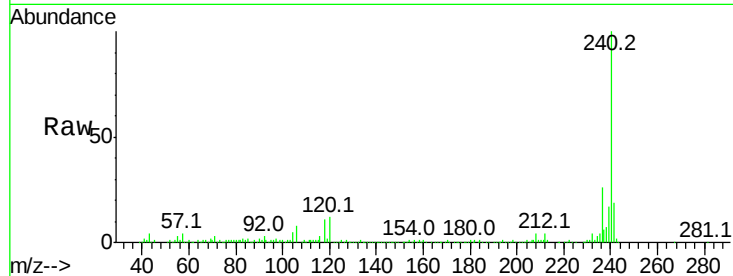
Tot Ion:240 Resp: 251734

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

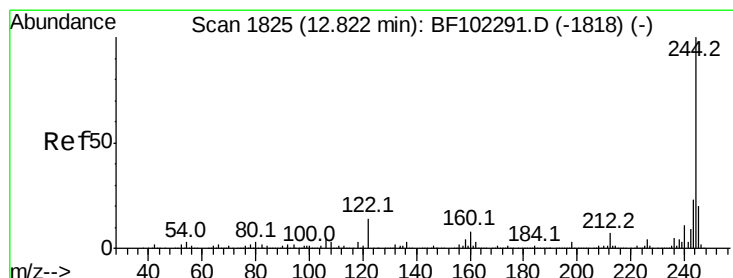
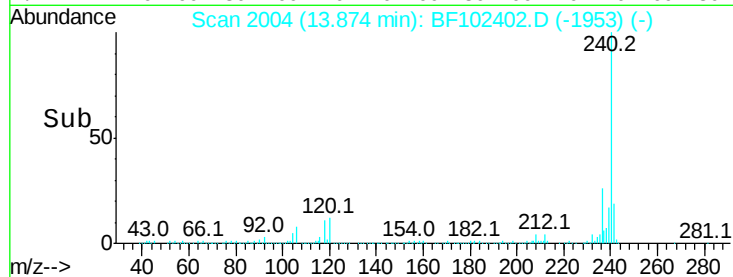
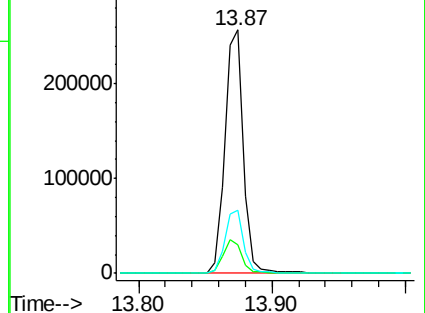
236 25.7 20.7 31.1



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: 76.524 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102402.D

Acq: 24 Jan 2018 21:00

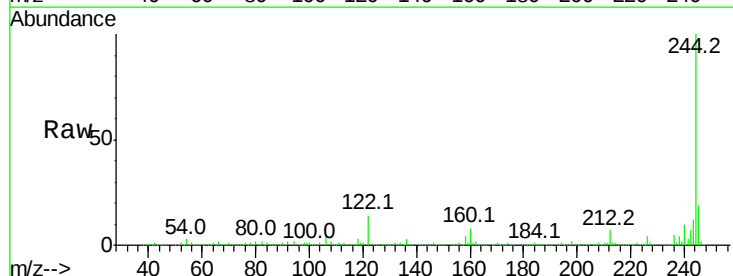
Tgt Ion:244 Resp: 854508

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

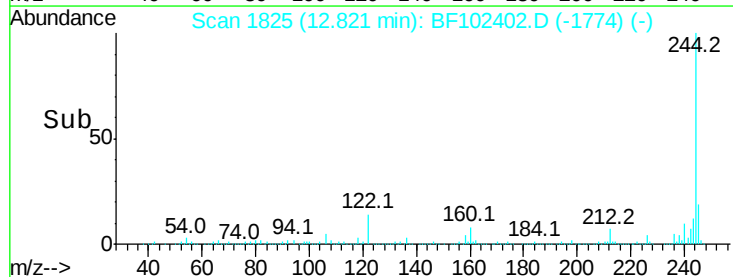
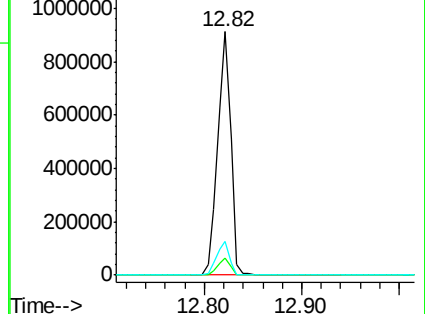
122 13.9 11.0 16.4

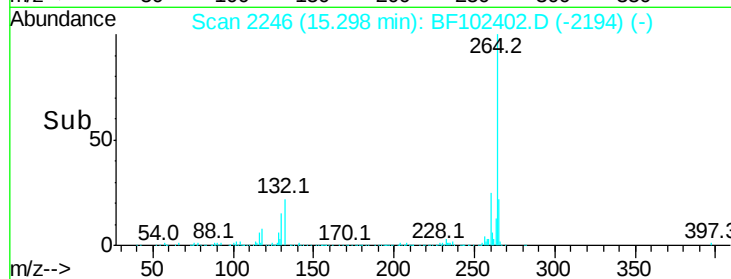
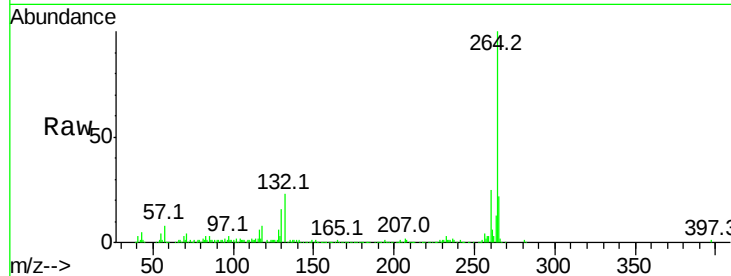
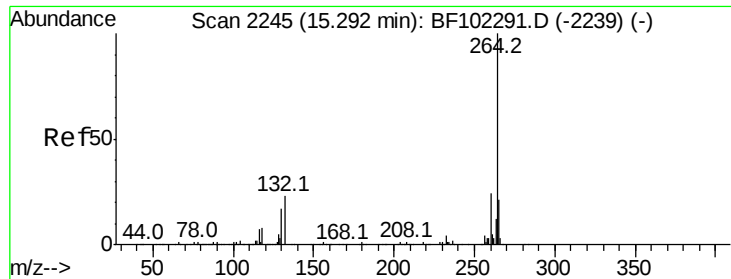


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102402.D
Acq: 24 Jan 2018 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.5	26.3

