

Data Path : U:\HPCHEM1\BNA F\DATA\BF012418\
 Data File : BF102404.D
 Acq On : 24 Jan 2018 21:53
 Operator : SJ/JU
 Sample : J1255-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 25 00:11:35 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	130096	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	531573	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	231030	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	365125	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257947	20.00	ng	0.00
86) Perylene-d12	15.30	264	245451	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	994498	115.91	ng	0.02
7) Phenol-d6	6.36	99	1086876	105.07	ng	0.00
23) Nitrobenzene-d5	7.29	82	807207	87.26	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	252987	110.51	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1359835	86.54	ng	0.00
78) Terphenyl-d14	12.82	244	1087209	95.02	ng	0.00

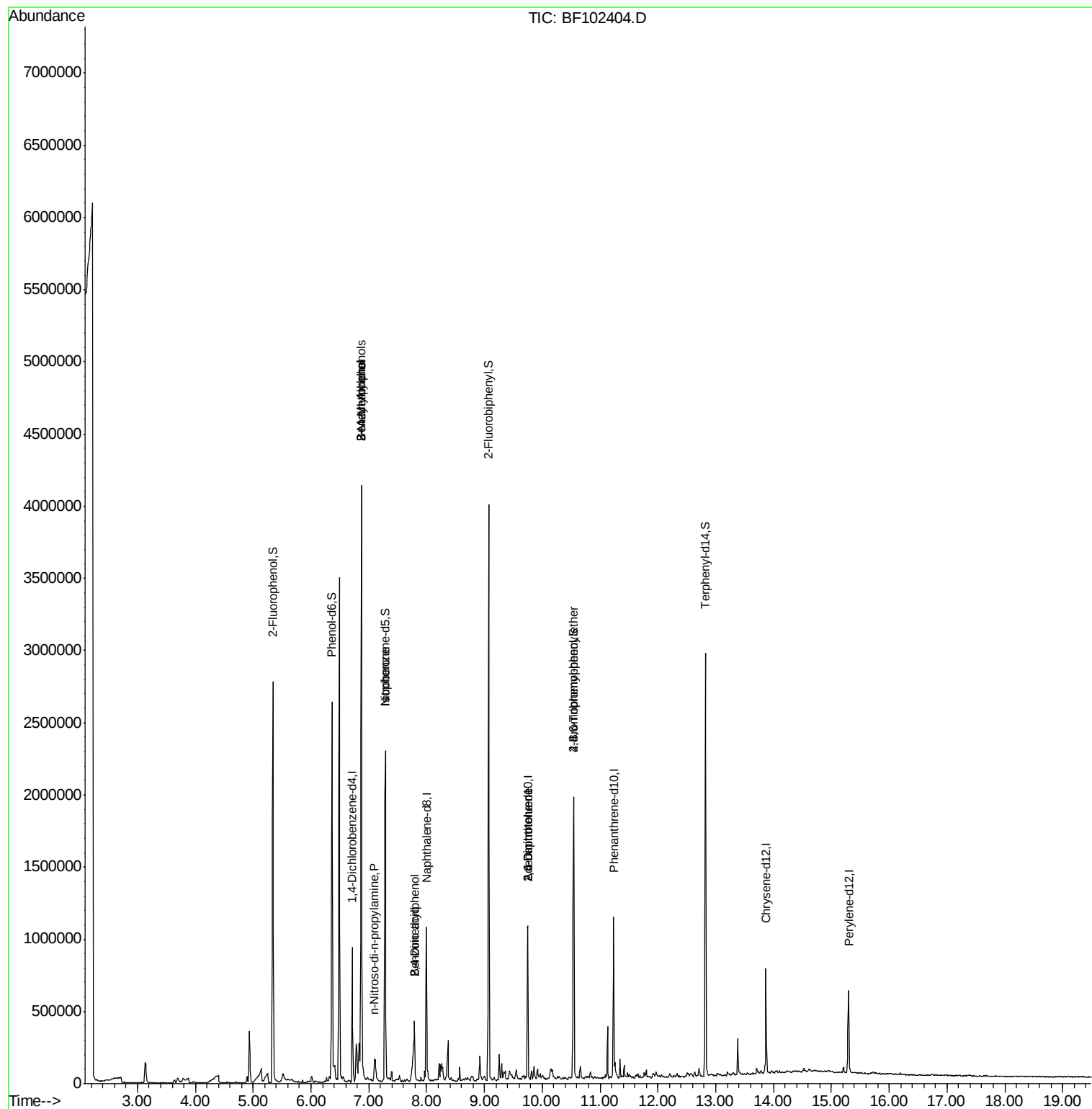
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.87	79	455932	62.470	ng	97
17) 2-Methylphenol	6.87	107	252242	32.292	ng	# 17
19) n-Nitroso-di-n-propylamine	7.10	70	13366	2.111	ng	# 43
20) 3+4-Methylphenols	6.87	107	244774	26.644	ng	# 1
25) Isophorone	7.29	82	794907	48.204	ng	# 64
27) 2,4-Dimethylphenol	7.79	122	75451	10.429	ng	# 6
32) Benzoic acid	7.79	122	75451	12.448	ng	95
50) 2,6-Dinitrotoluene	9.75	165	28963	7.035	ng	# 27
56) 2,4-Dinitrotoluene	9.75	165	28963	5.721	ng	# 24
66) 4-Bromophenyl-phenylether	10.55	248	16937	4.309	ng	# 1

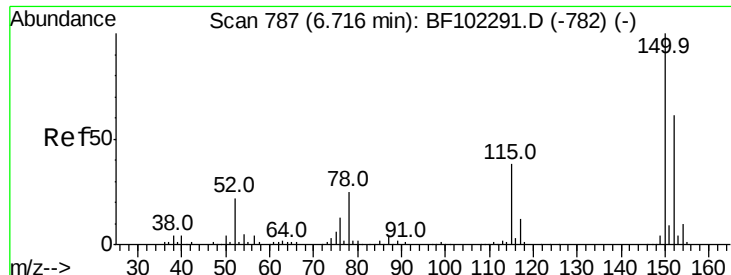
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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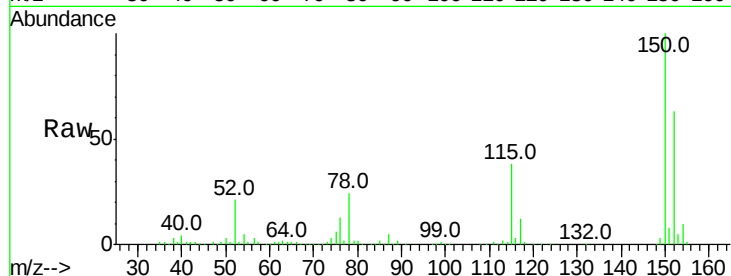


#1

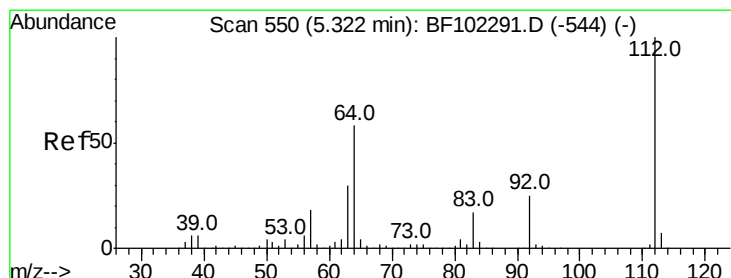
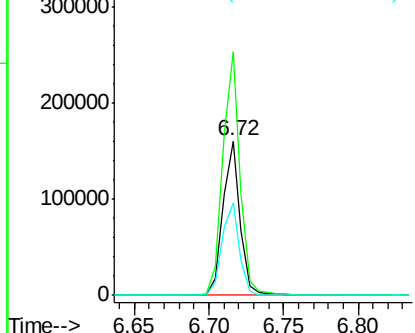
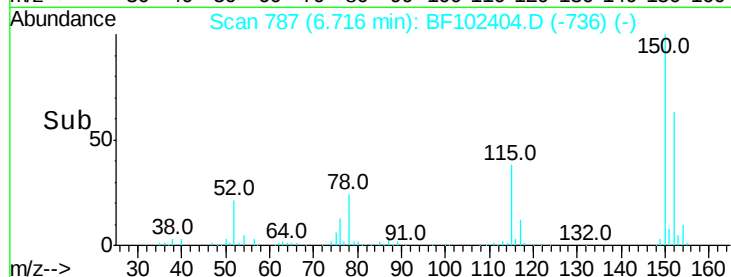
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 130096
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 60.4 50.1 75.1



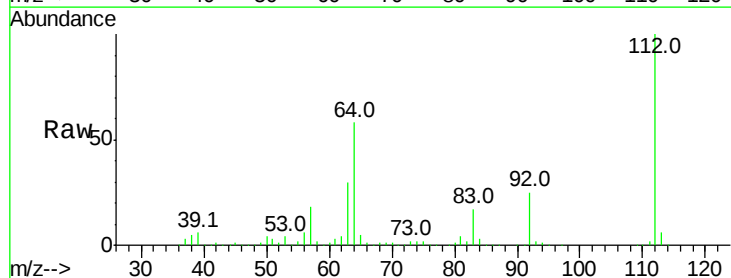
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



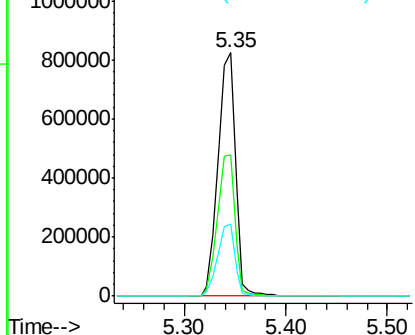
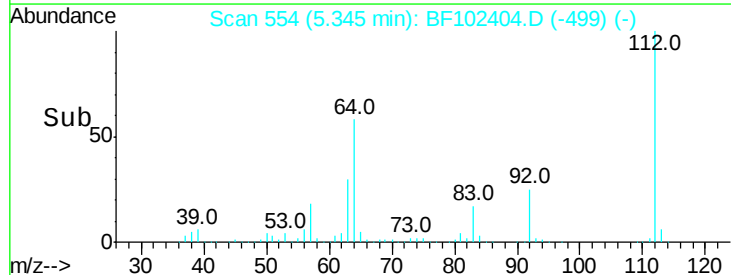
#5

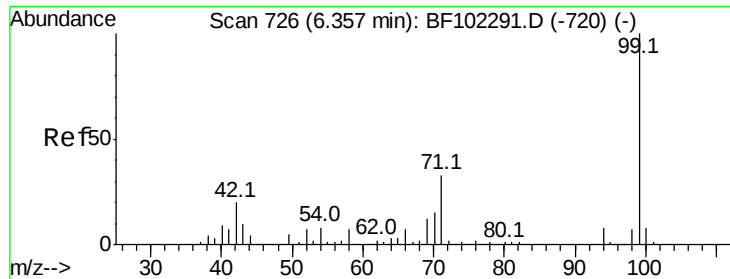
2-Fluorophenol
Concen: 115.908 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Tgt Ion:112 Resp: 994498
Ion Ratio Lower Upper
112 100
64 58.0 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: 105.073 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Instrument :

BNA_F

ClientSampled :

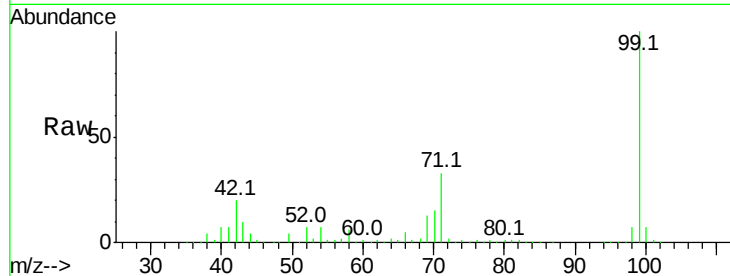
Tot Ion: 99 Resp: 1086876

Ion Ratio Lower Upper

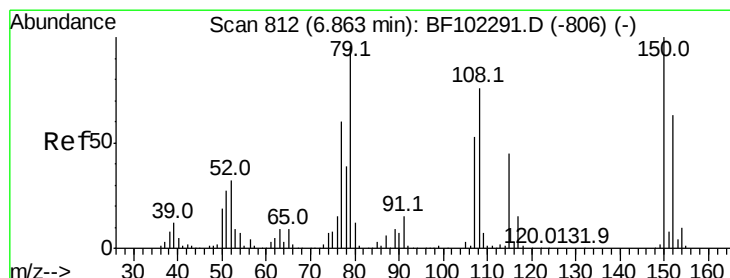
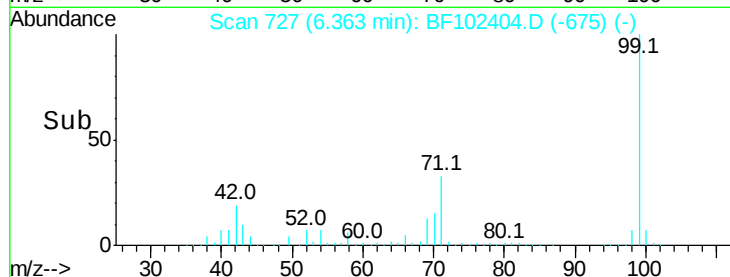
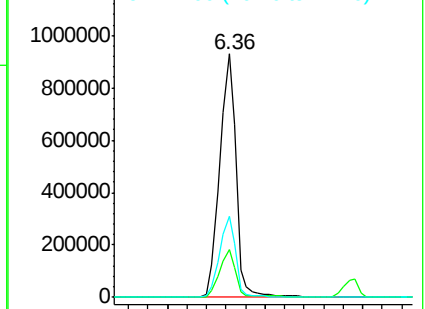
99 100

42 19.5 14.5 21.7

71 33.4 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



#15

Benzyl Alcohol

Concen: 62.470 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

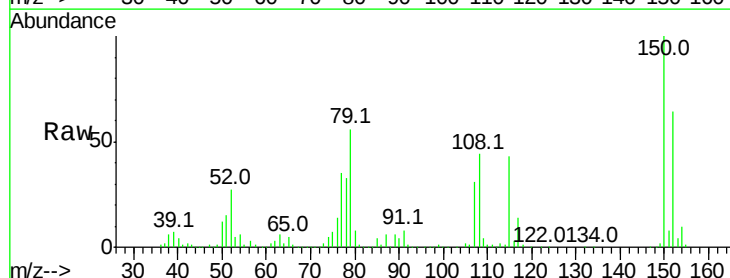
Tgt Ion: 79 Resp: 455932

Ion Ratio Lower Upper

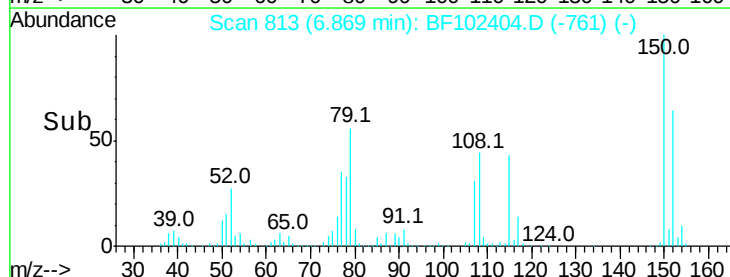
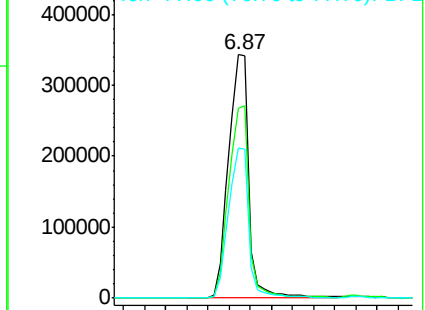
79 100

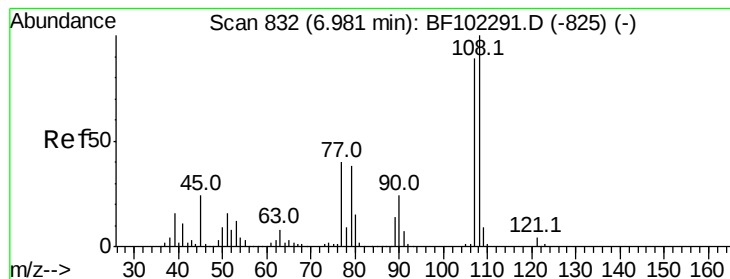
108 78.1 65.1 97.7

77 61.5 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: 32.292 ng

RT: 6.87 min Scan# 813

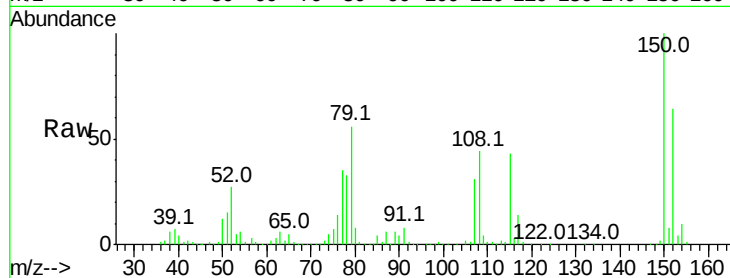
Delta R.T. -0.11 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	252242
Ion	Ratio	Lower	Upper
107	100		
108	140.7	91.7	137.5#
77	110.8	33.8	50.8#
79	180.1	33.8	50.8#



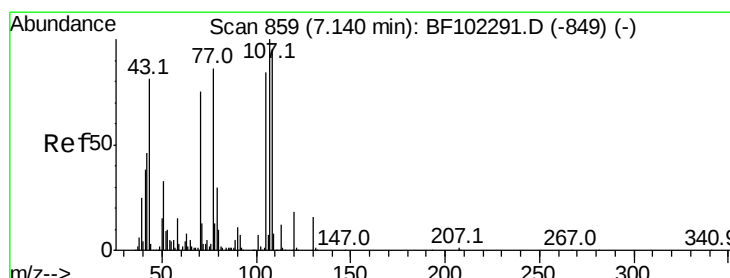
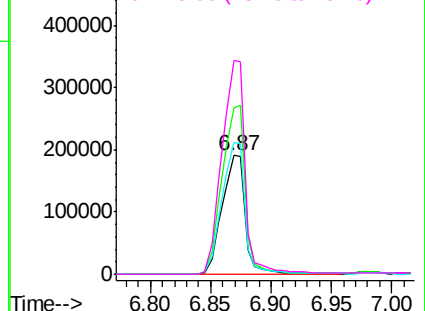
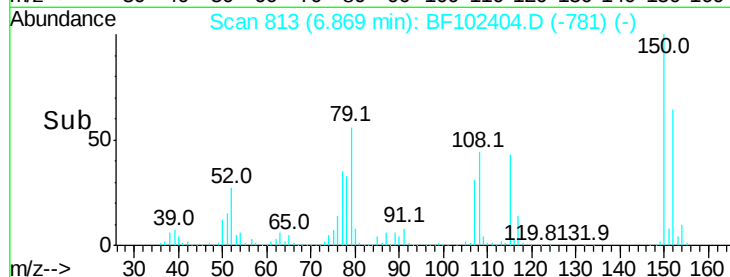
Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 2.111 ng

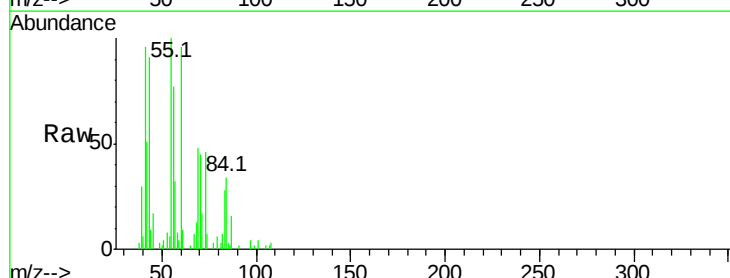
RT: 7.10 min Scan# 852

Delta R.T. -0.04 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Tgt Ion:	70	Resp:	13366
Ion	Ratio	Lower	Upper
70	100		
42	111.8	47.5	71.3#
101	8.8	7.4	11.2
130	0.0	16.6	25.0#



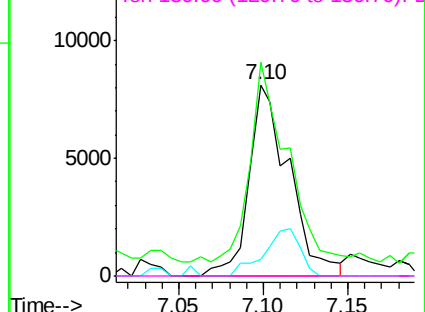
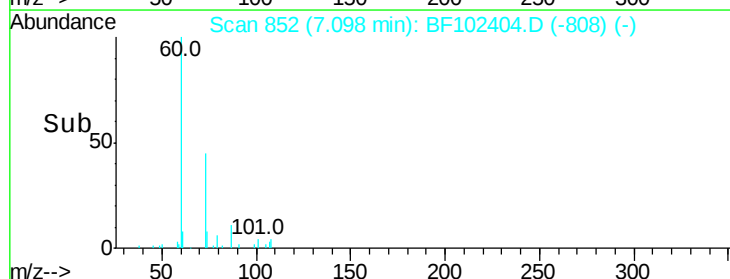
Abundance

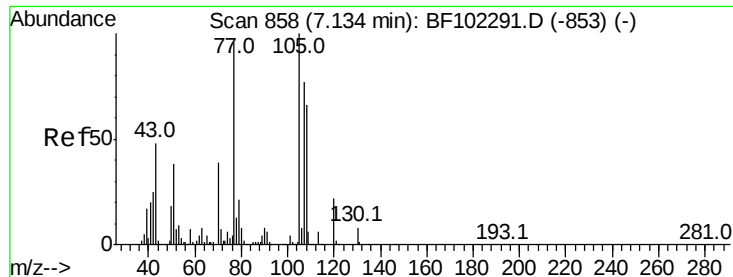
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 26.644 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.26 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 244774

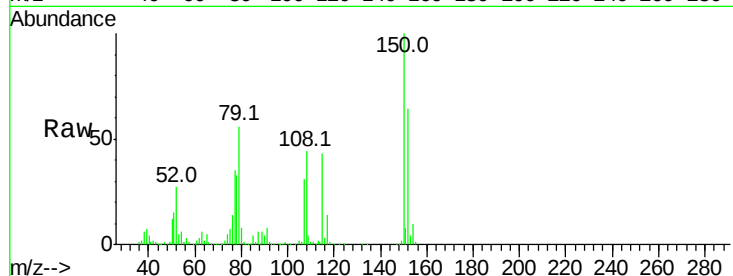
Ion Ratio Lower Upper

107 100

108 140.7 68.2 108.2#

77 110.8 26.7 66.7#

79 180.1 6.3 46.3#



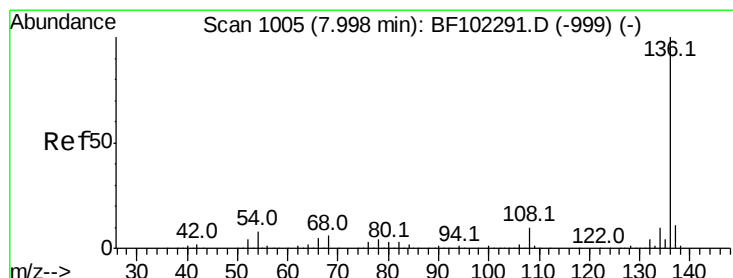
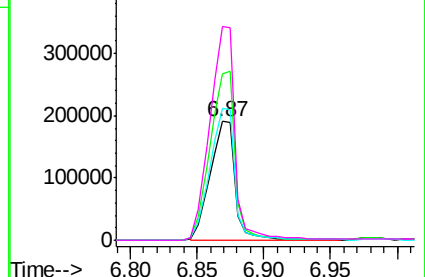
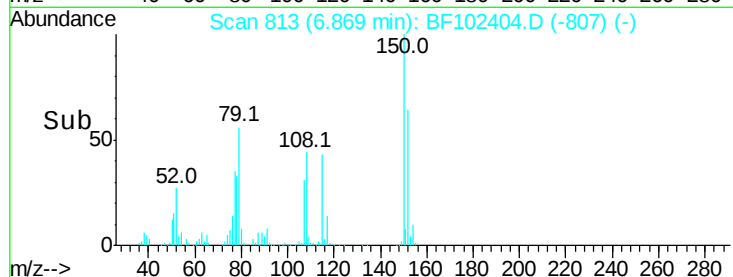
Abundance Ion 107.00 (106.70 to 107.70): E

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

Time--> 6.80 6.85 6.90 6.95



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Tgt Ion:136 Resp: 531573

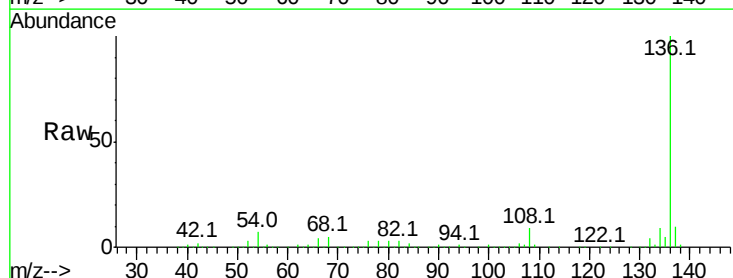
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.0 6.6 9.8

68 4.8 5.0 7.4#



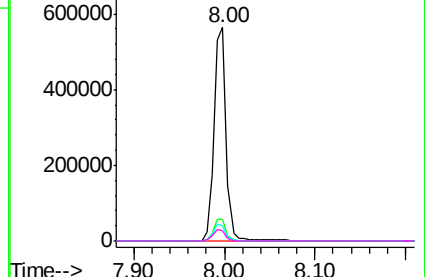
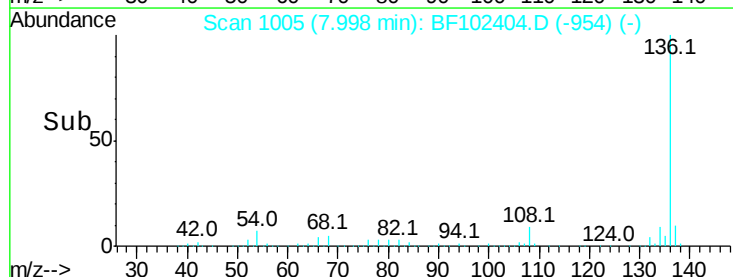
Abundance Ion 136.00 (135.70 to 136.70): E

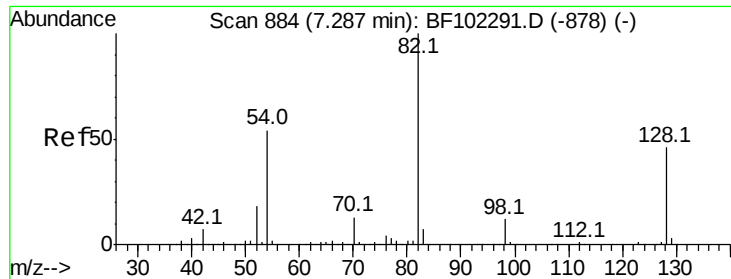
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time--> 7.90 8.00 8.10

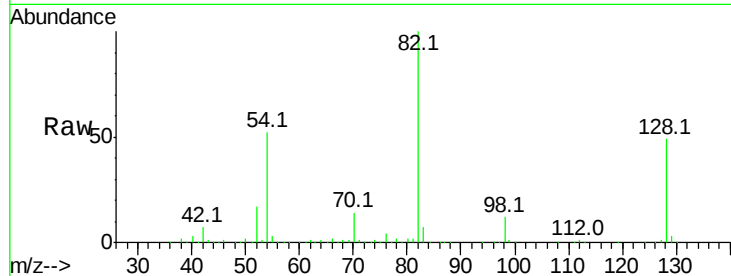




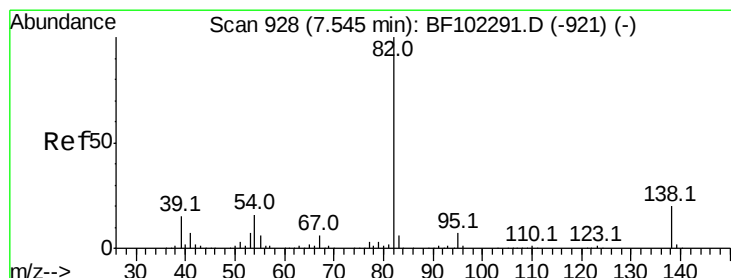
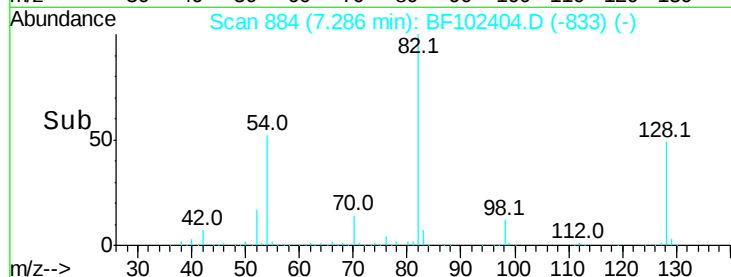
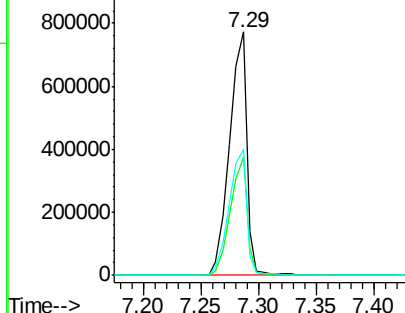
#23
Nitrobenzene-d5
Concen: 87.265 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	807207
Ion Ratio	Lower	Upper	
82	100		
128	48.7	36.1	54.1
54	51.8	41.4	62.2

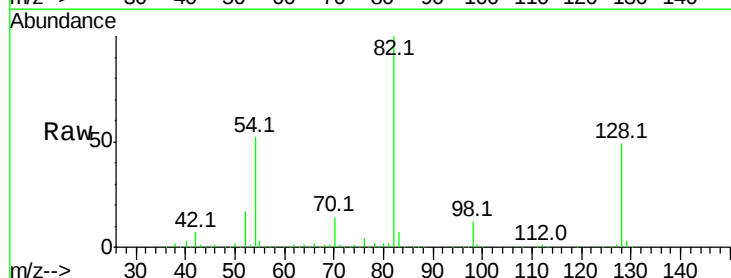


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

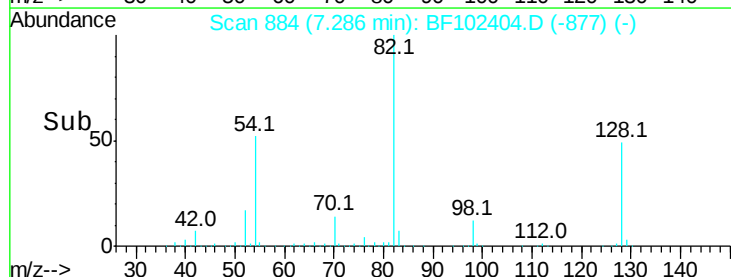
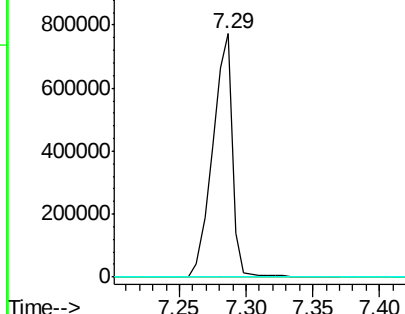


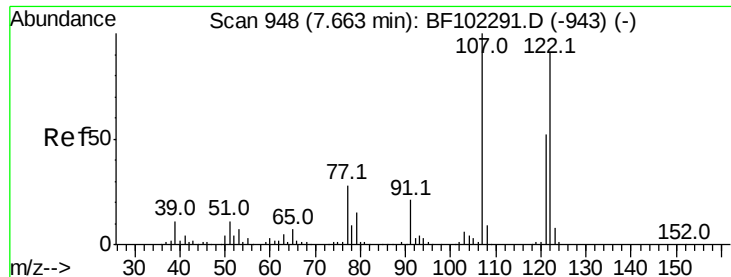
#25
Isophorone
Concen: 48.204 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Tgt Ion	82	Resp	794907
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: 10.429 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.12 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Instrument :

BNA_F

ClientSampleId :

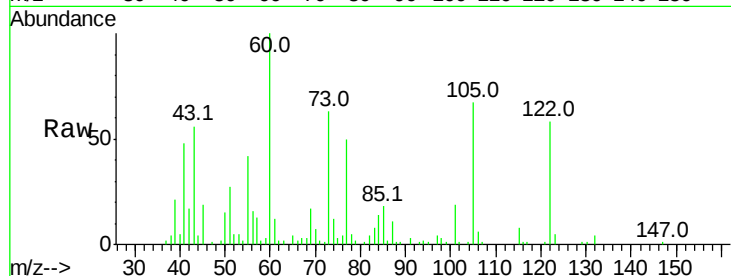
Tot Ion:122 Resp: 75451

Ion Ratio Lower Upper

122 100

107 1.7 91.2 136.8#

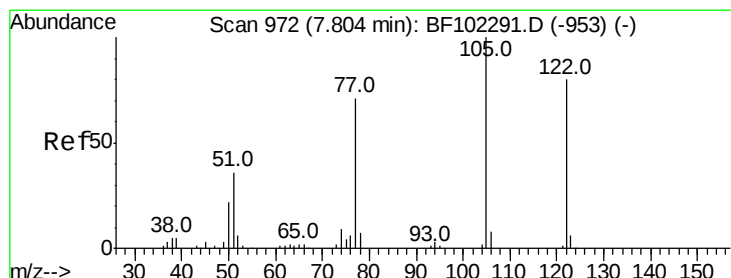
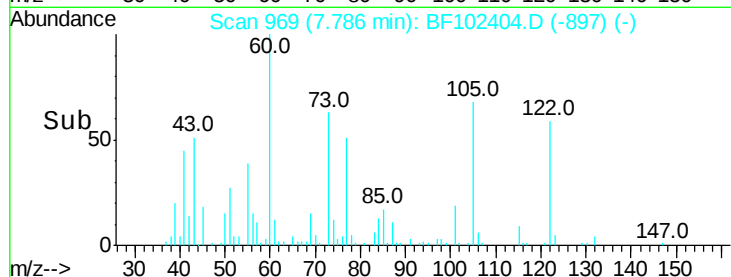
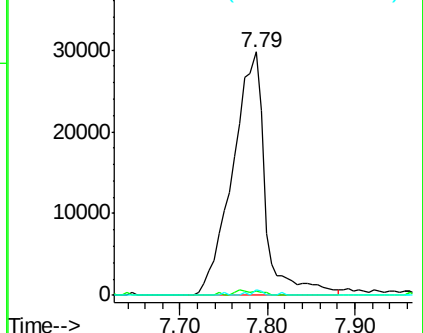
121 2.5 47.2 70.8#



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



#32

Benzoic acid

Concen: 12.448 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

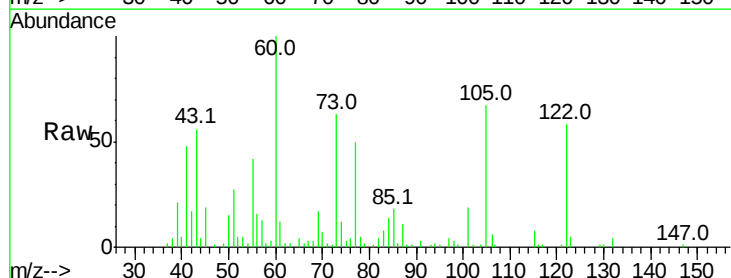
Tgt Ion:122 Resp: 75451

Ion Ratio Lower Upper

122 100

105 115.2 101.1 141.1

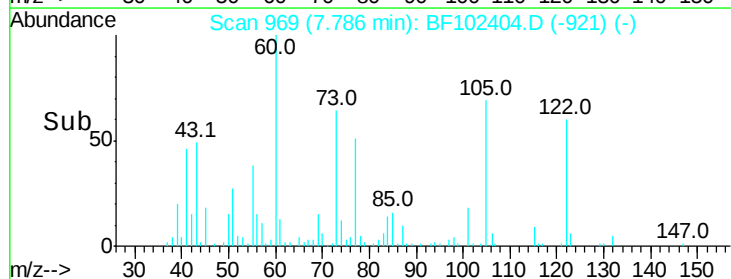
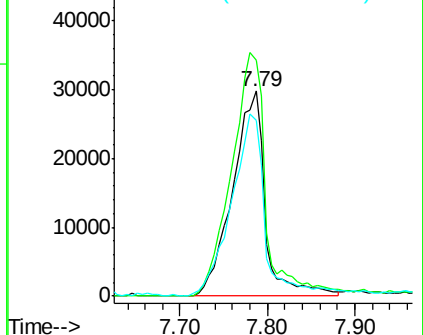
77 86.0 70.7 110.7

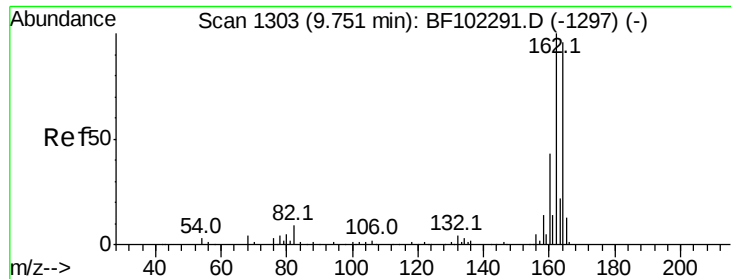


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

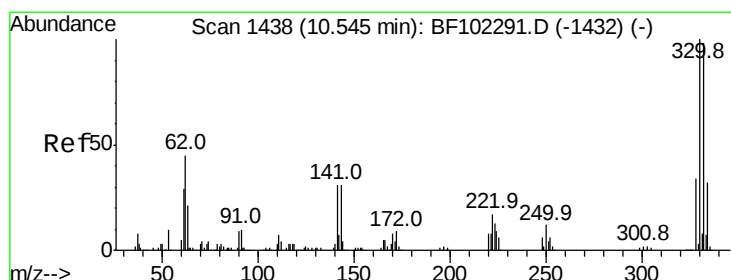
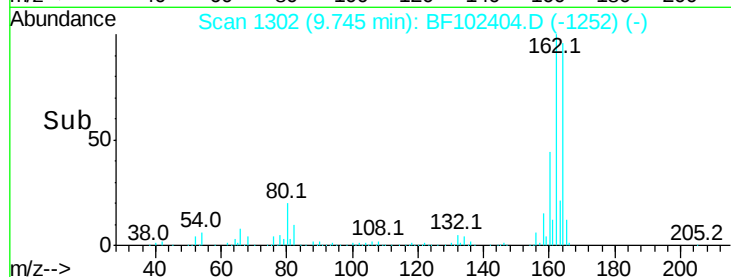
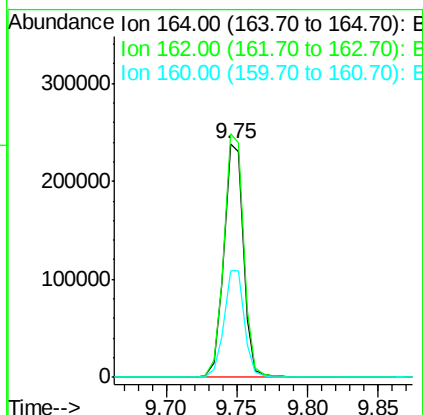
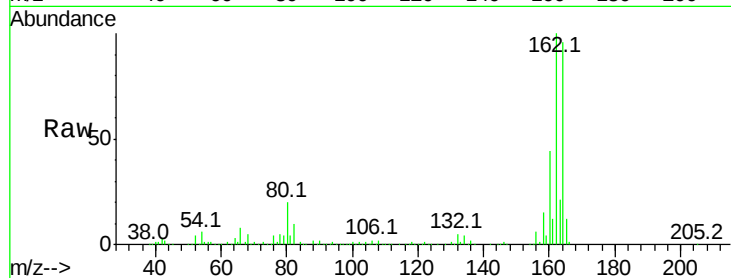




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

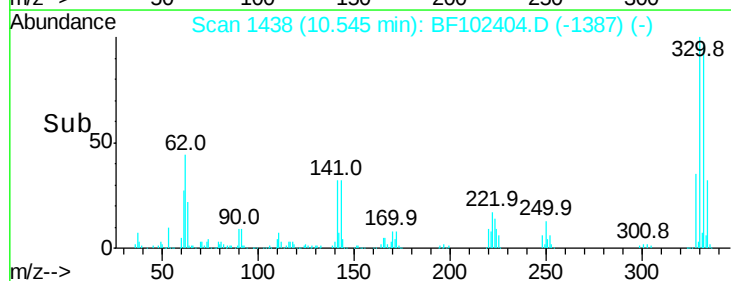
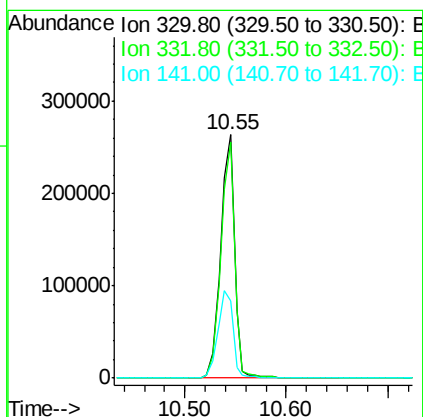
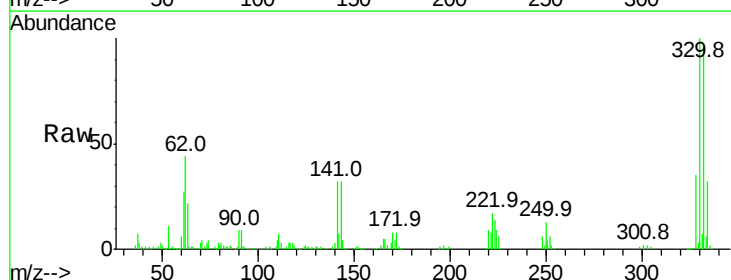
Instrument :
 BNA_F
 ClientSampleId :

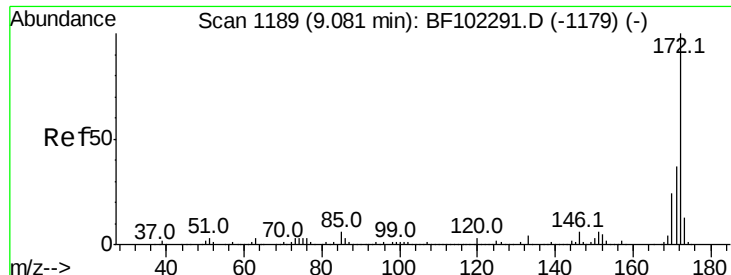
Tot Ion:164 Resp: 231030
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 110.514 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

Tgt Ion:330 Resp: 252987
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 39.0 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 86.544 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

Instrument :

BNA_F

ClientSampleId :

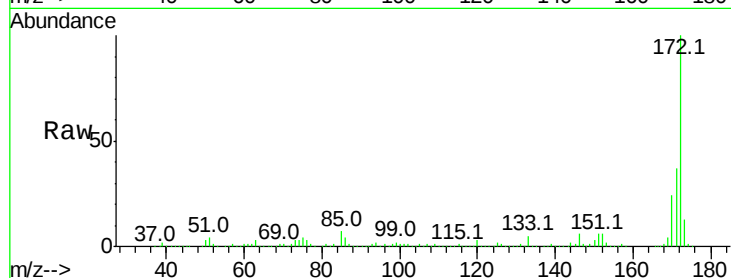
Tot Ion:172 Resp: 1359835

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

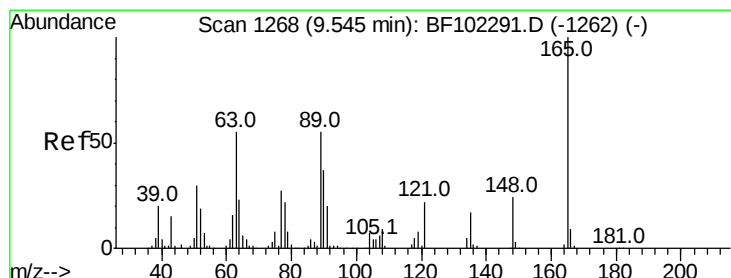
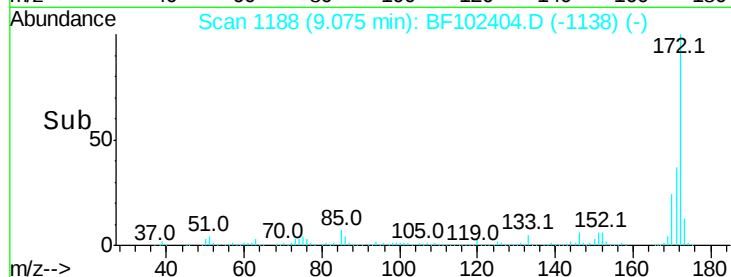
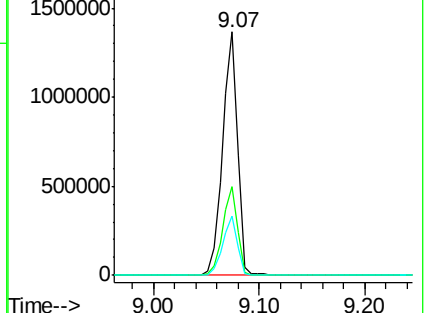
170 24.2 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.035 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF102404.D

Acq: 24 Jan 2018 21:53

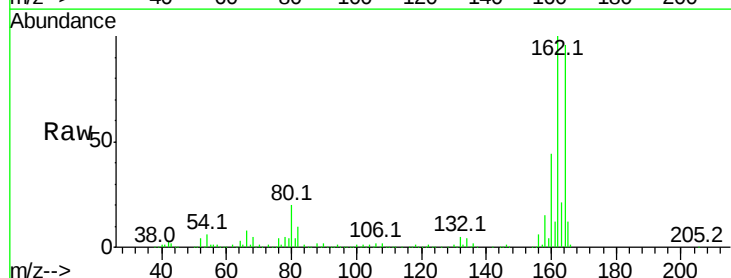
Tgt Ion:165 Resp: 28963

Ion Ratio Lower Upper

165 100

63 2.1 44.7 67.1#

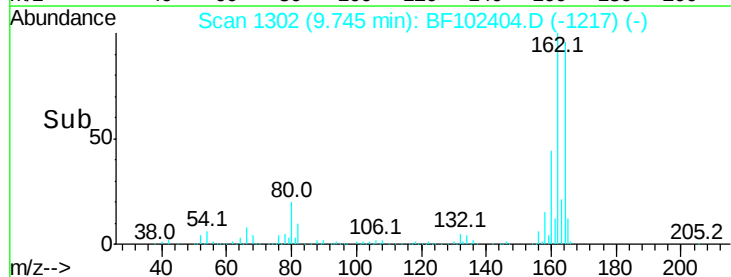
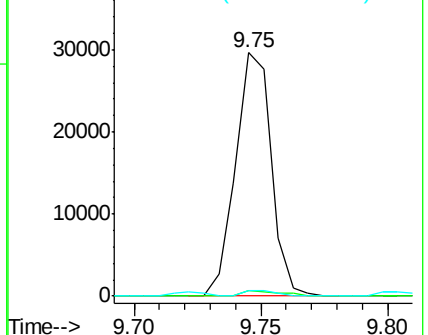
89 2.3 44.0 66.0#

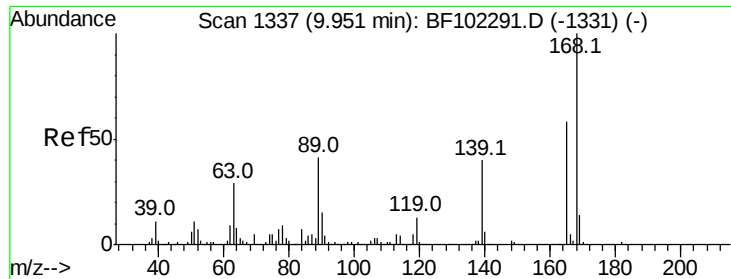


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

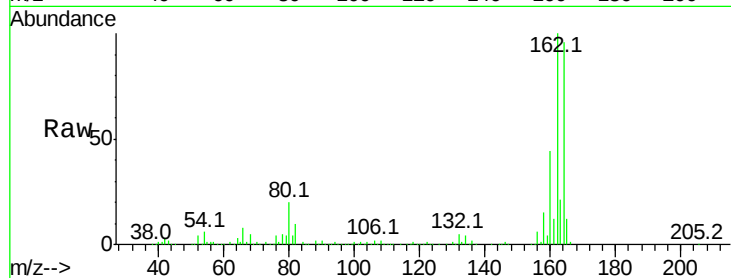




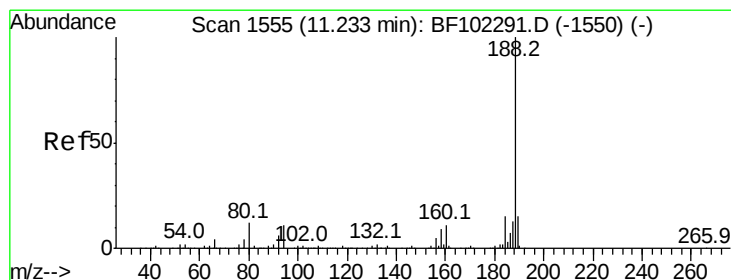
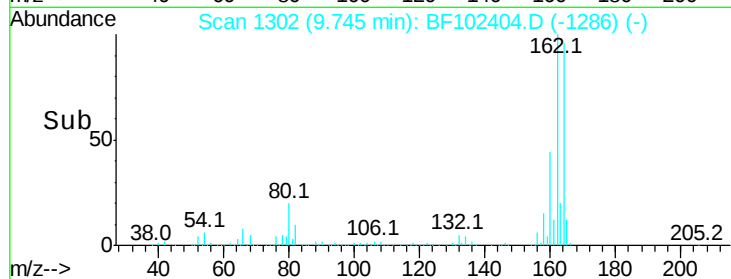
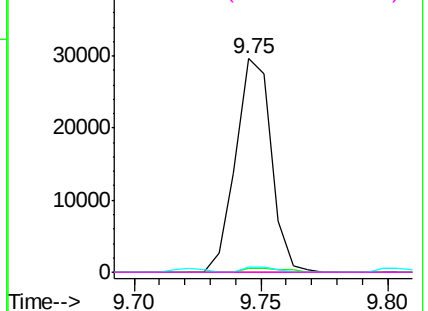
#56
 2,4-Dinitrotoluene
 Concen: 5.721 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 28963
 Ion Ratio Lower Upper
 165 100
 63 2.1 36.4 54.6#
 89 2.3 57.8 86.6#
 182 0.0 1.6 2.4#

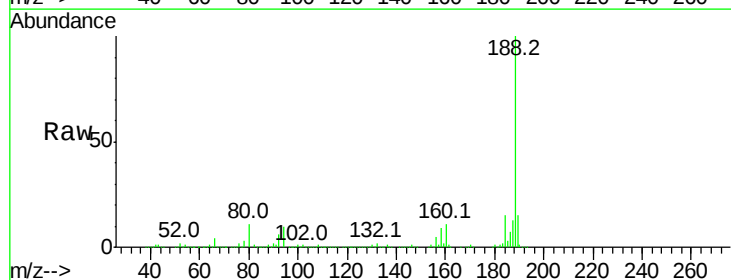


Abundance Ion 165.00 (164.70 to 165.70): E

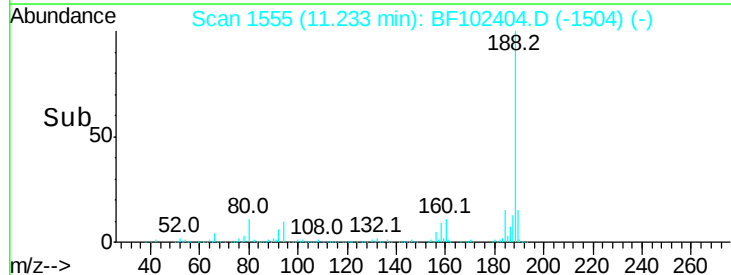
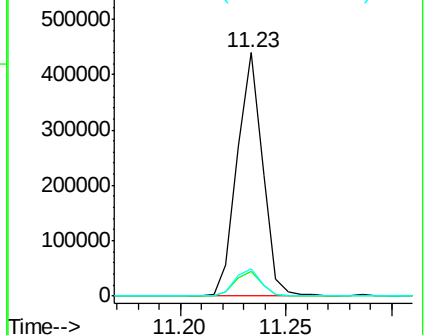


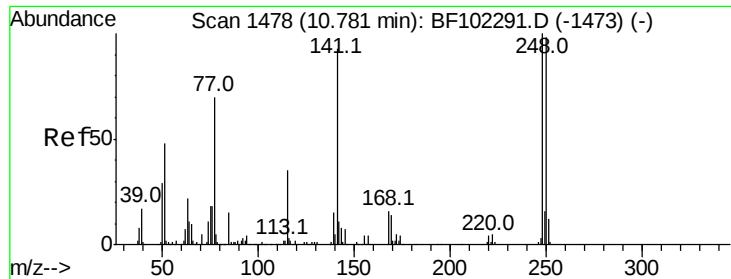
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

Tgt Ion:188 Resp: 365125
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

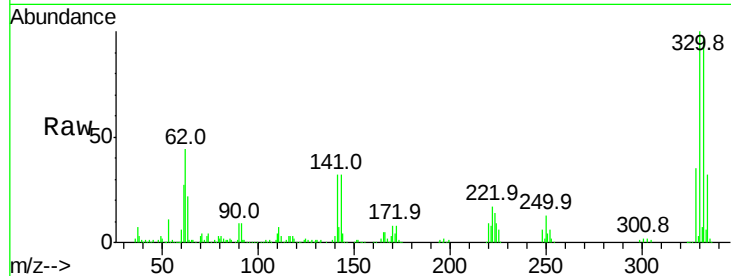




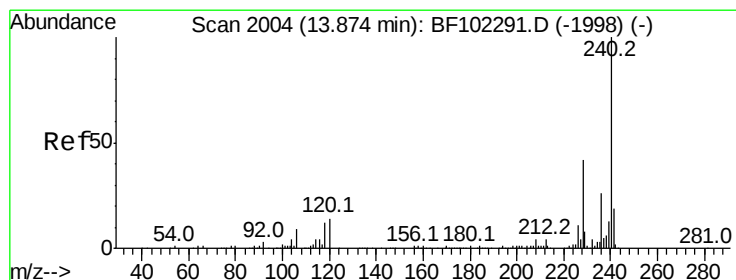
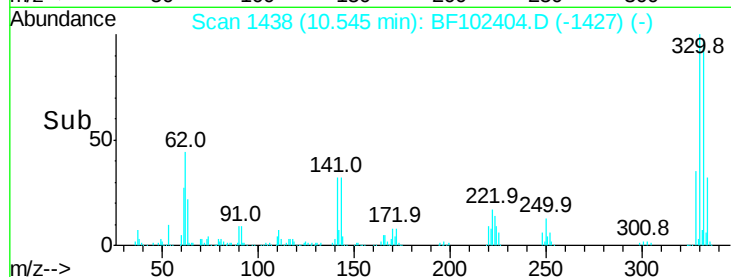
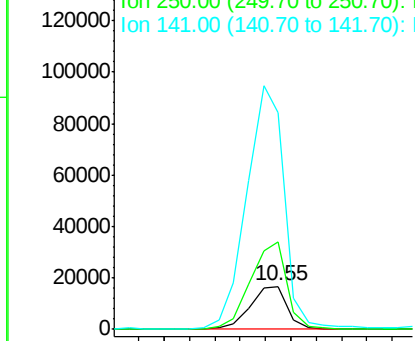
#66
4-Bromophenyl-phenylether
Concen: 4.309 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16937
Ion Ratio Lower Upper
248 100
250 204.4 76.9 115.3#
141 502.7 74.4 111.6#

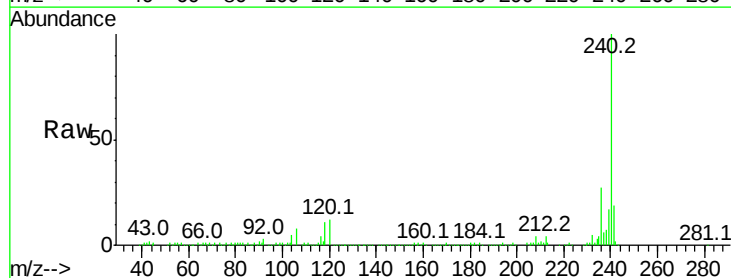


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

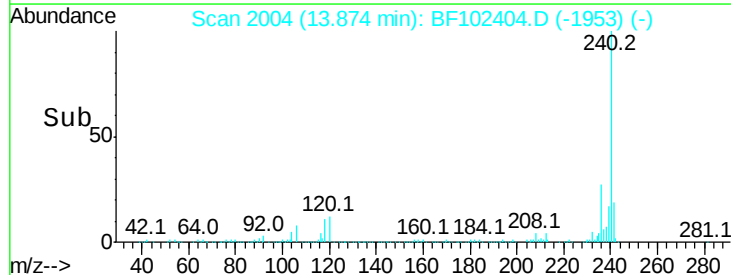
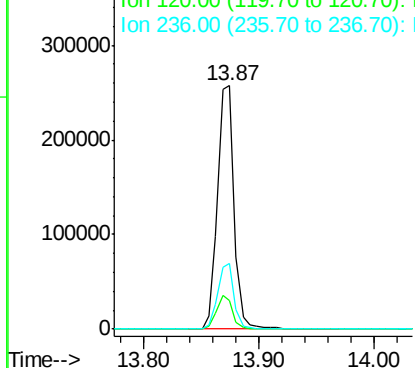


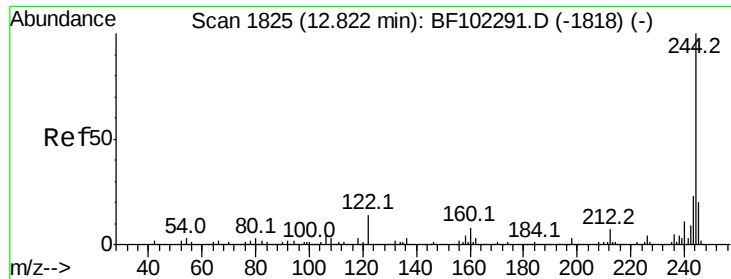
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF102404.D
Acq: 24 Jan 2018 21:53

Tgt Ion:240 Resp: 257947
Ion Ratio Lower Upper
240 100
120 11.9 9.5 14.3
236 26.9 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

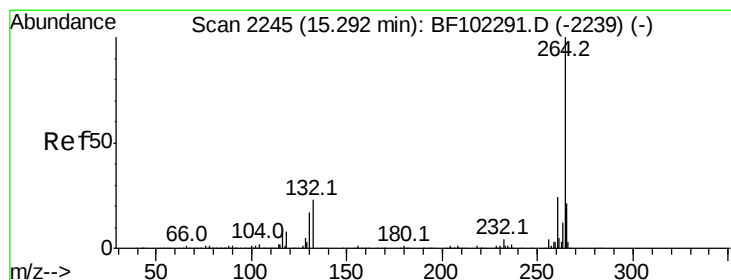
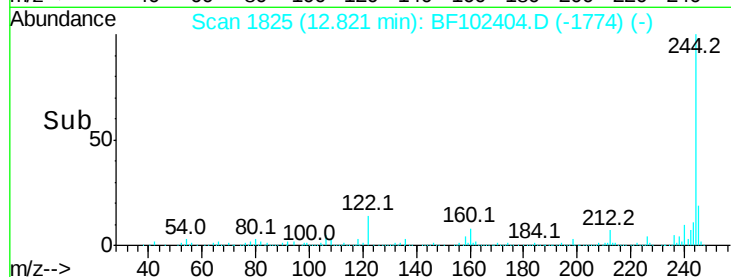
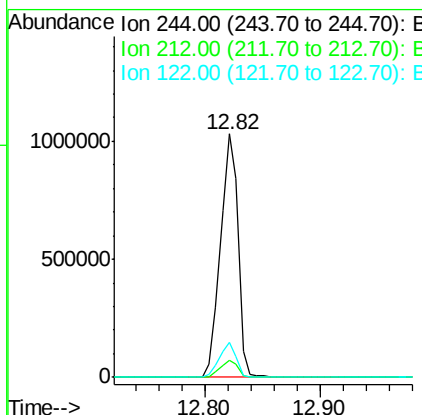
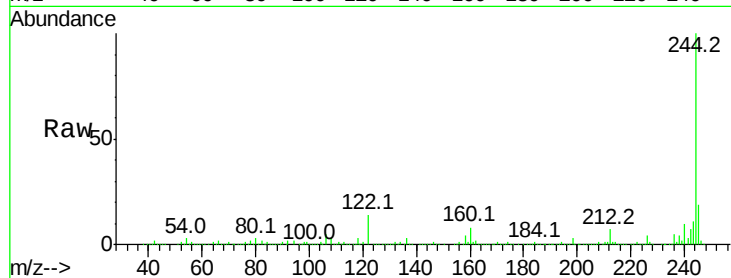




#78
 Terphenyl-d14
 Concen: 95.018 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1087209
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102404.D
 Acq: 24 Jan 2018 21:53

Tgt Ion:264 Resp: 245451
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.2 17.5 26.3

