

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012718\
 Data File : BF102516.D
 Acq On : 27 Jan 2018 17:59
 Operator : SJ/JU
 Sample : J1307-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-201

Quant Time: Jan 27 21:00:20 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

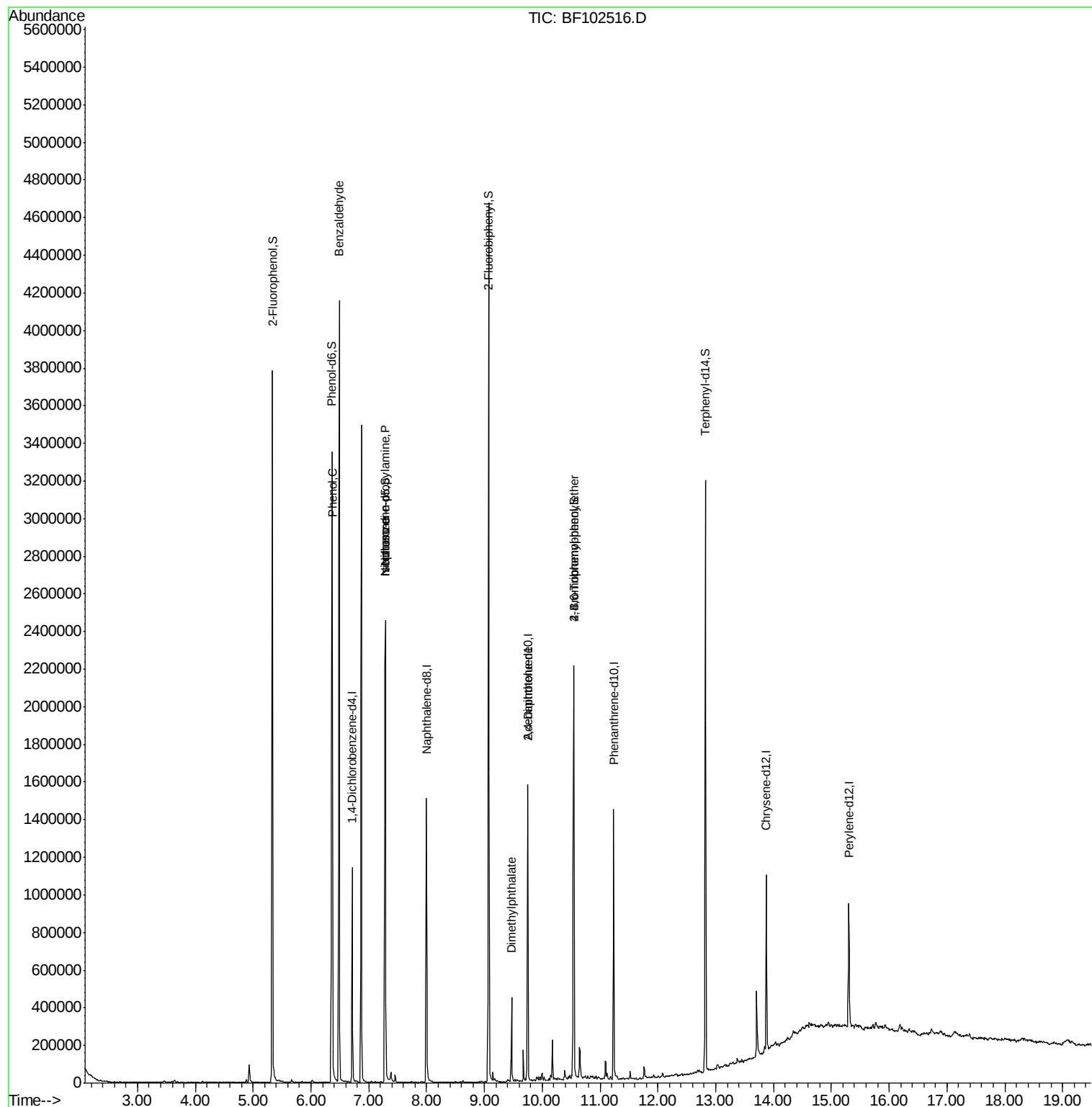
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	180574	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	736535	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	315839	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	506511	20.00	ng	0.00
75) Chrysene-d12	13.87	240	317631	20.00	ng	0.00
86) Perylene-d12	15.30	264	295503	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1185237	99.52	ng	0.01
7) Phenol-d6	6.36	99	1457169	101.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	913612	71.28	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	272968	87.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1517454	70.64	ng	0.00
78) Terphenyl-d14	12.82	244	1095350	77.74	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	25049	2.529	ng	88
10) Phenol	6.37	94	68645	4.379	ng	98
19) n-Nitroso-di-n-propylamine	7.29	70	119480	13.598	ng	# 79
25) Isophorone	7.29	82	897524	39.281	ng	# 64
49) Dimethylphthalate	9.47	163	188794	7.232	ng	99
56) 2,4-Dinitrotoluene	9.75	165	39863	5.759	ng	# 23
66) 4-Bromophenyl-phenylether	10.55	248	17897	3.282	ng	# 1

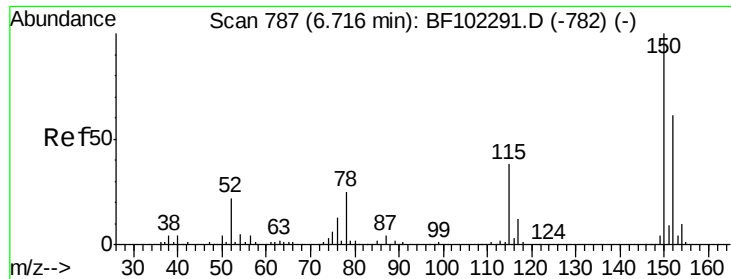
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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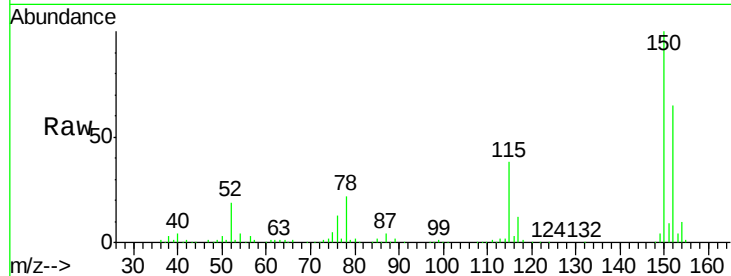


#1

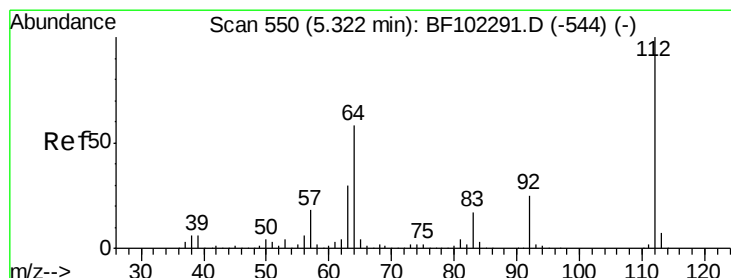
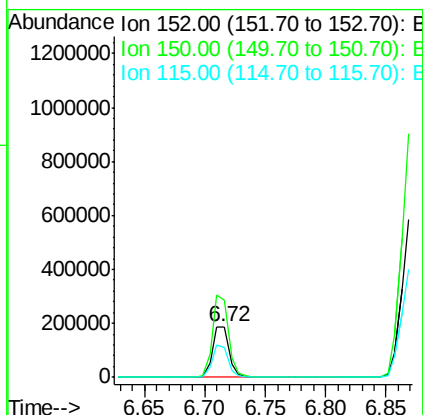
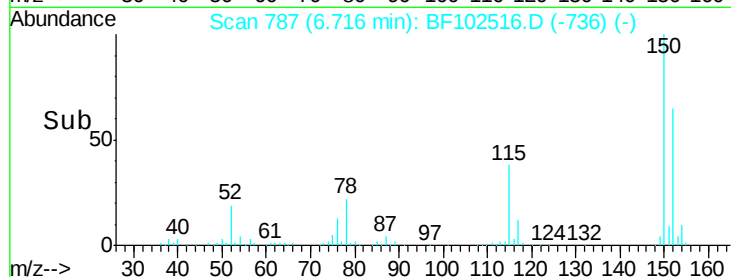
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Instrument :
BNA_F
ClientSampleId :
MANHOLE-201

Tgt Ion:152 Resp: 180574
Ion Ratio Lower Upper
152 100
150 152.8 124.6 186.8
115 57.7 50.1 75.1



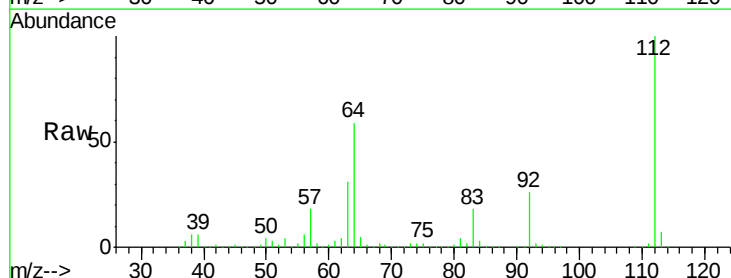
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



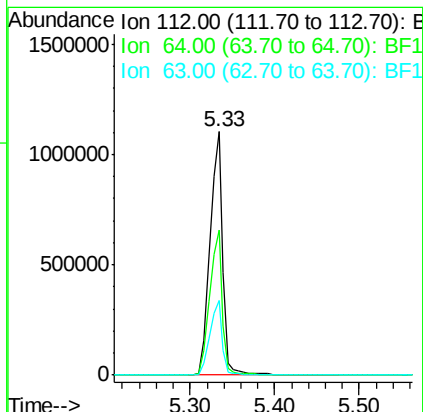
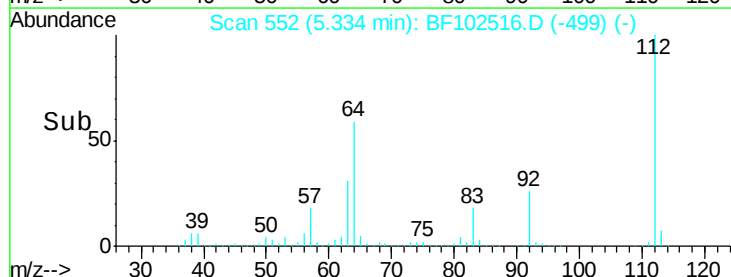
#5

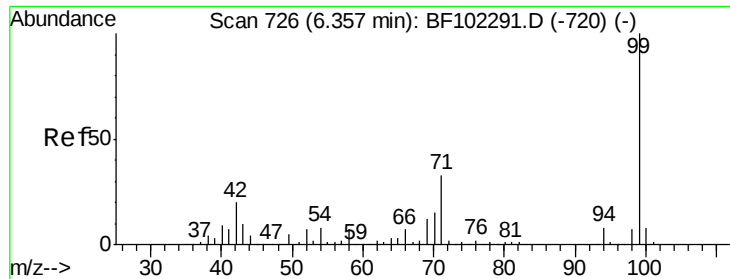
2-Fluorophenol
Concen: 99.523 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Tgt Ion:112 Resp: 1185237
Ion Ratio Lower Upper
112 100
64 59.4 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: 101.491 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Instrument :

BNA_F

ClientSampleId :

MANHOLE-201

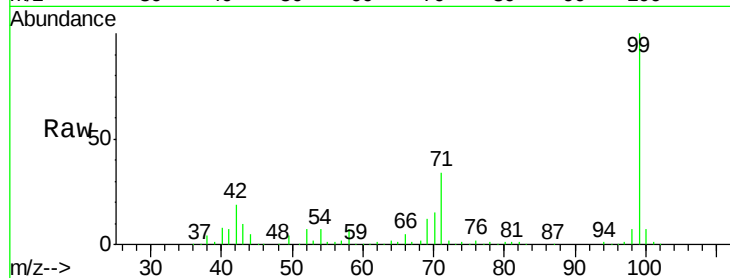
Tgt Ion: 99 Resp: 1457169

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

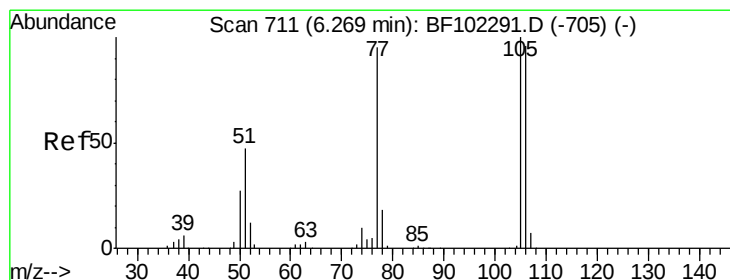
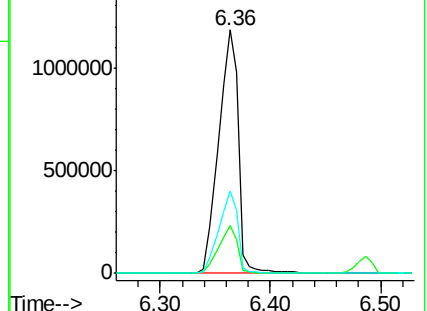
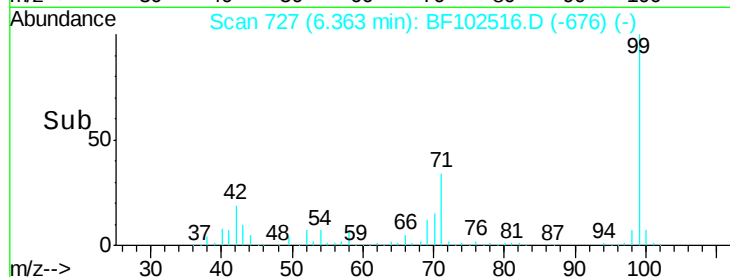
71 33.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.529 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

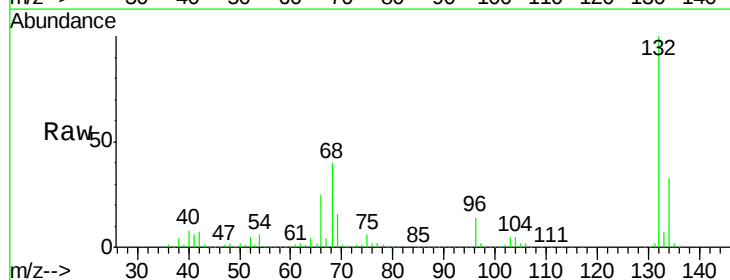
Tgt Ion: 77 Resp: 25049

Ion Ratio Lower Upper

77 100

105 92.4 81.1 121.1

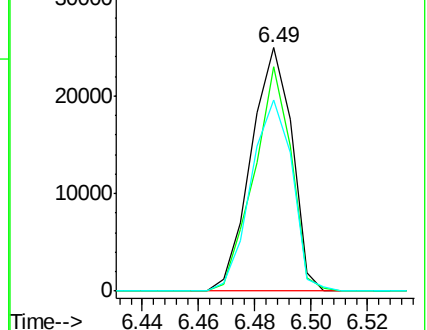
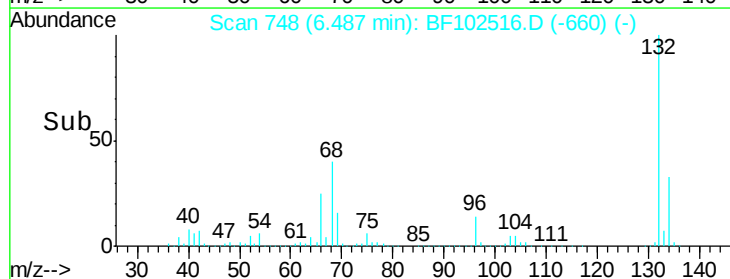
106 78.6 74.5 114.5

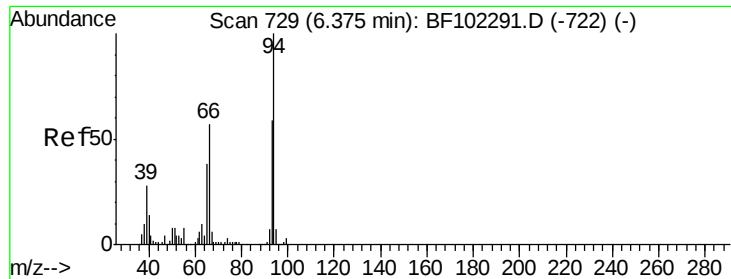


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.379 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Instrument :

BNA_F

ClientSampleId :

MANHOLE-201

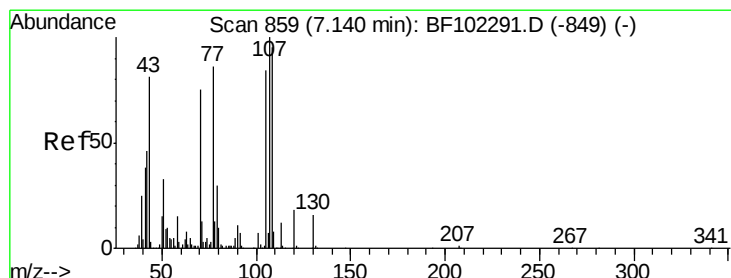
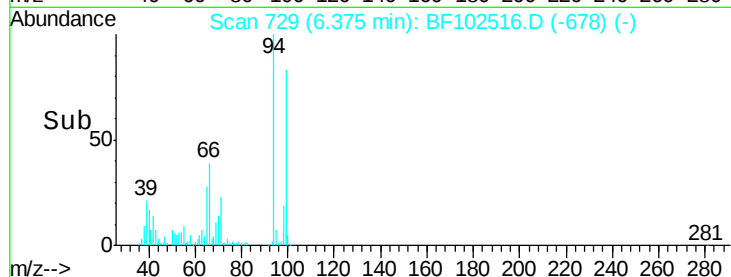
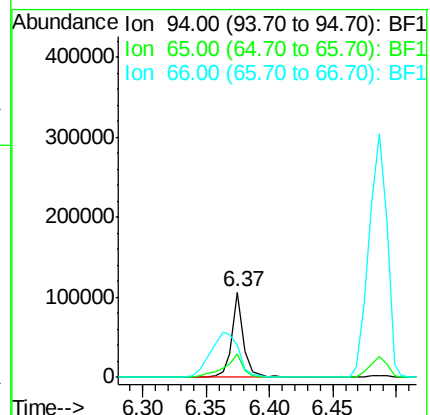
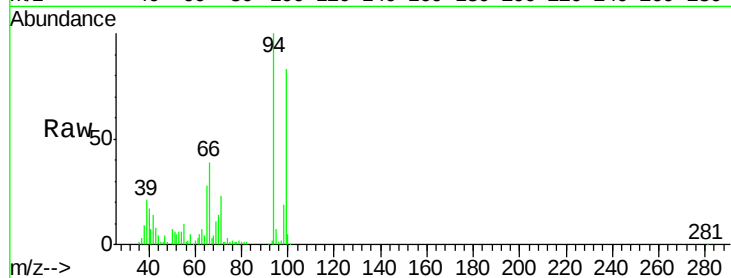
Tgt Ion: 94 Resp: 68645

Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 38.6 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.598 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Tgt Ion: 70 Resp: 119480

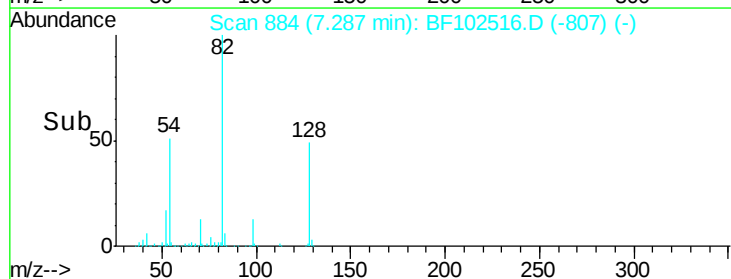
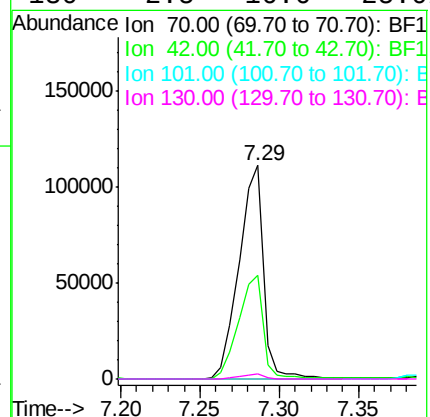
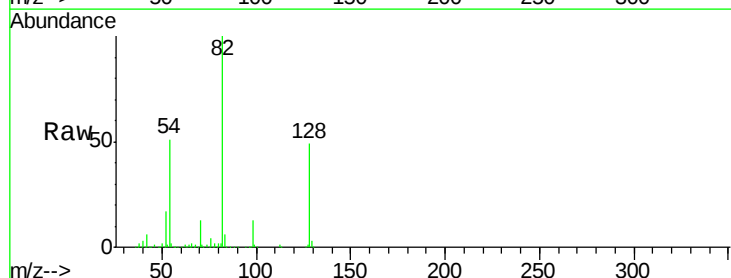
Ion Ratio Lower Upper

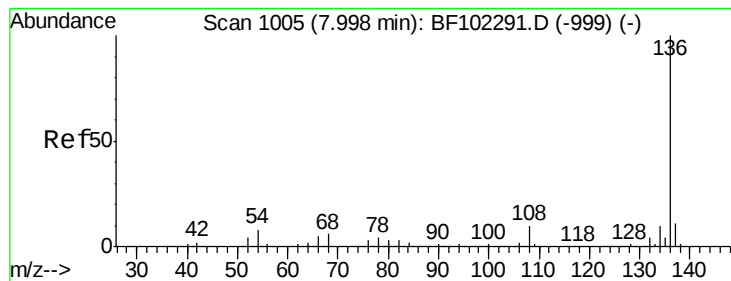
70 100

42 48.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 736535

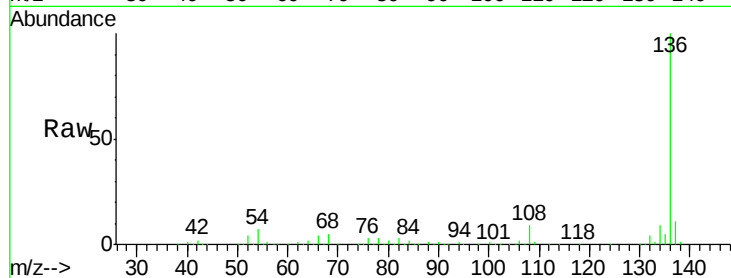
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.2 6.6 9.8

68 5.1 5.0 7.4

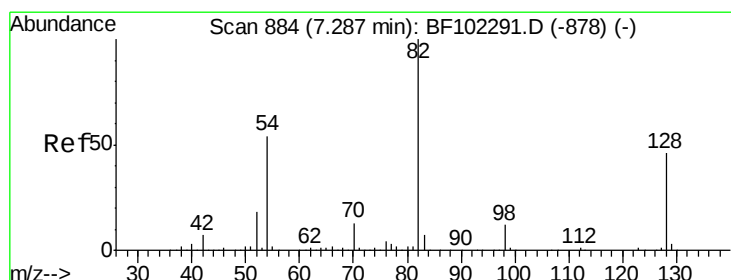
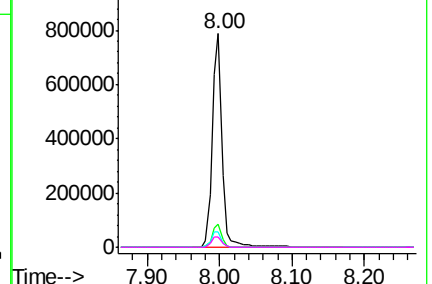
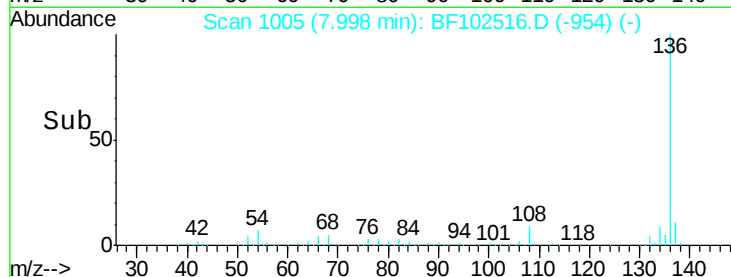


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.283 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

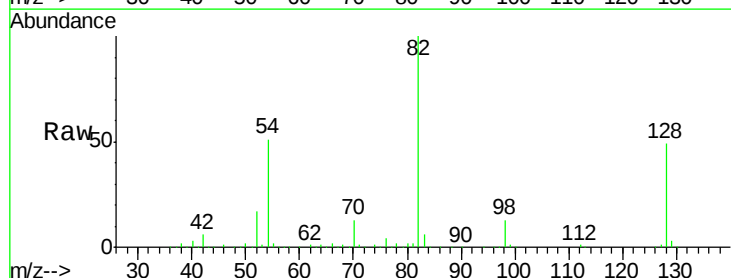
Tgt Ion: 82 Resp: 913612

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

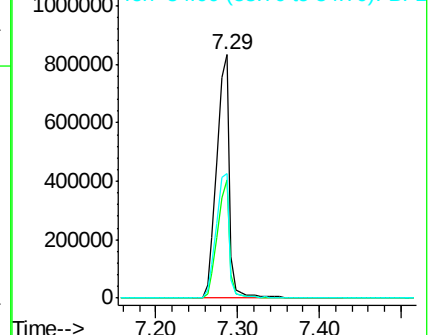
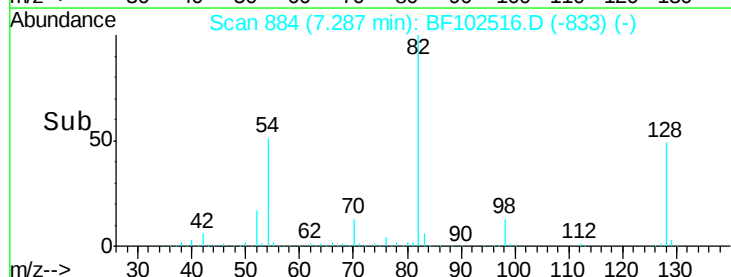
54 51.3 41.4 62.2

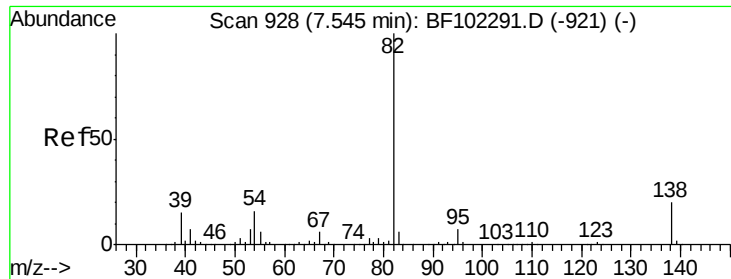


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.281 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Instrument :

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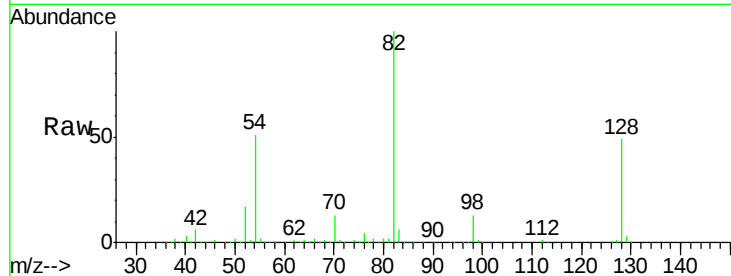
Tgt Ion: 82 Resp: 897524

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

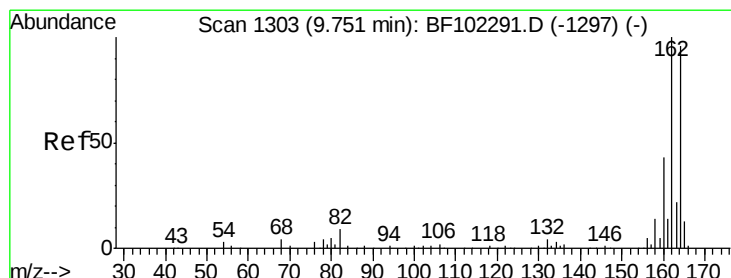
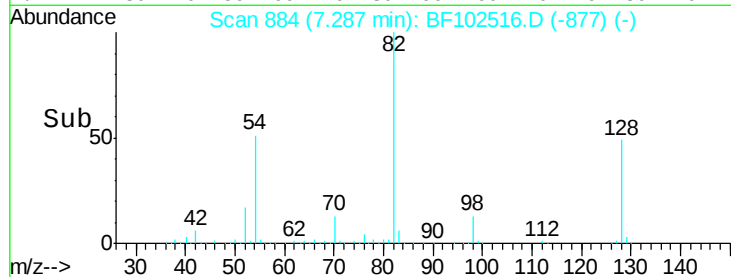
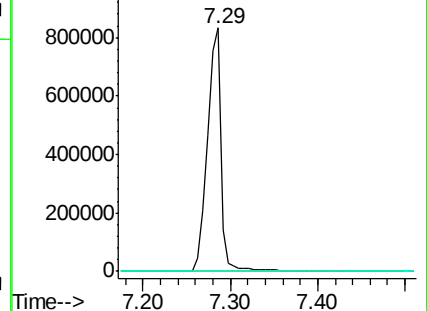
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

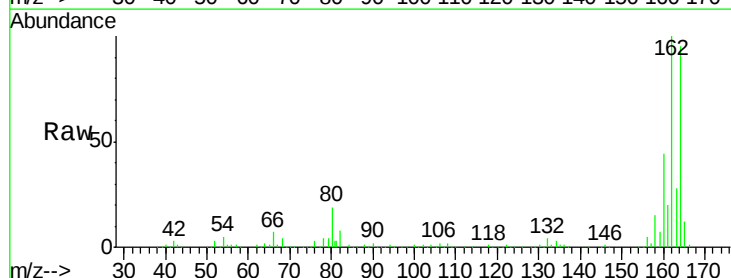
Tgt Ion: 164 Resp: 315839

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

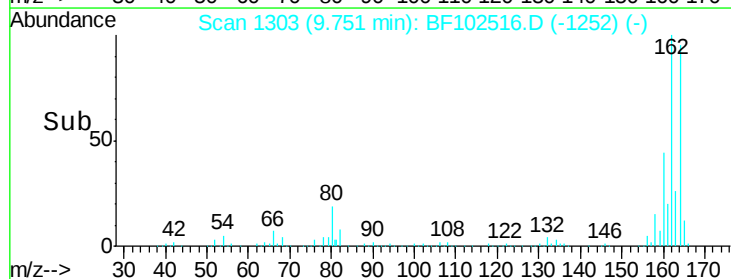
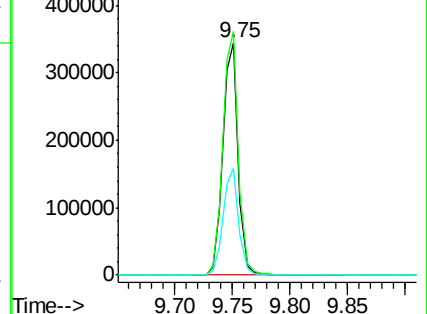
160 46.0 38.3 57.5

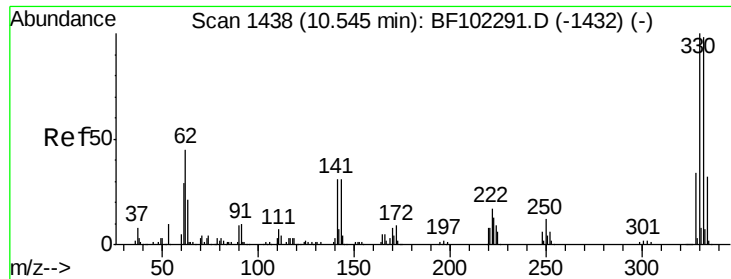


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

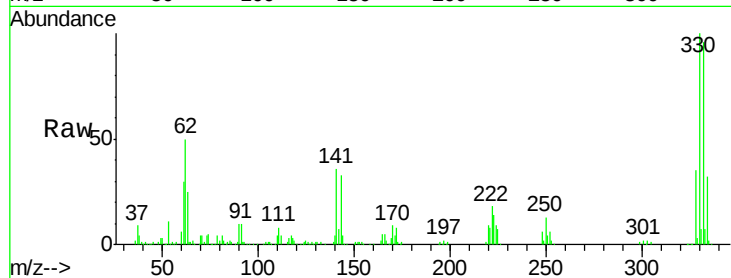




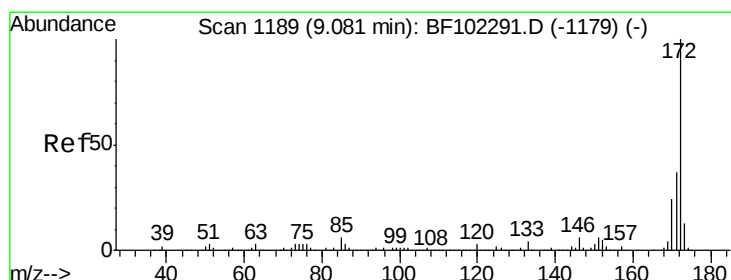
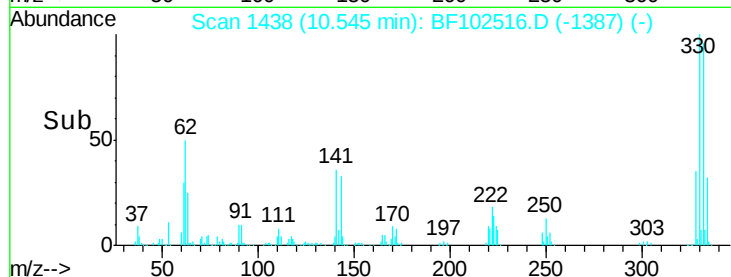
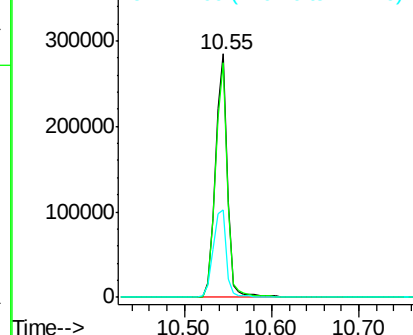
#41
 2,4,6-Tribromophenol
 Concen: 87.224 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102516.D
 Acq: 27 Jan 2018 17:59

Instrument :
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Tgt Ion:330 Resp: 272968
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 40.0 29.9 44.9

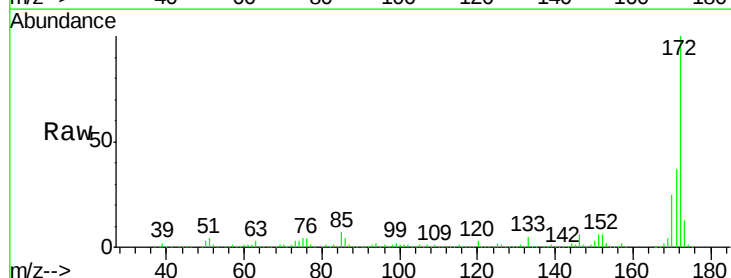


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

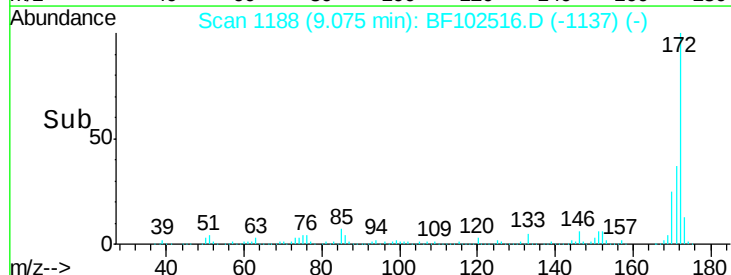
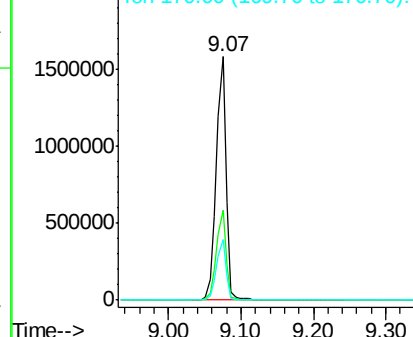


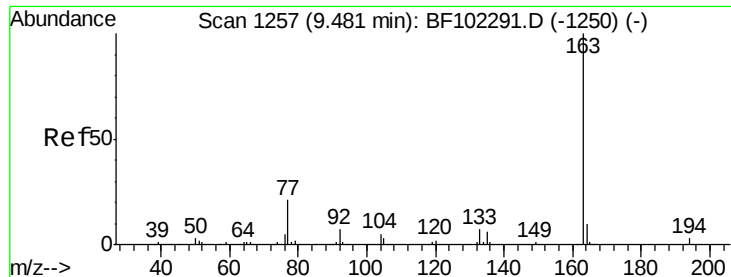
#44
 2-Fluorobiphenyl
 Concen: 70.643 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF102516.D
 Acq: 27 Jan 2018 17:59

Tgt Ion:172 Resp: 1517454
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 25.0 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

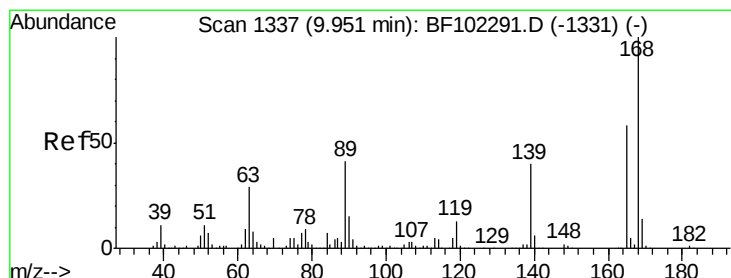
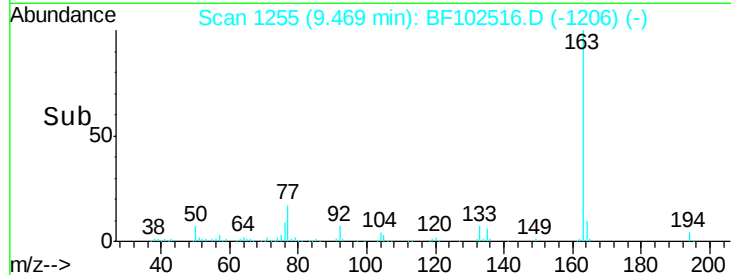
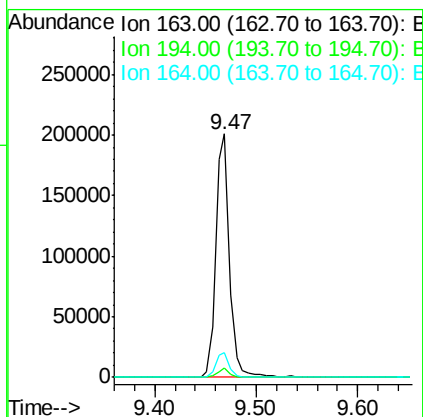
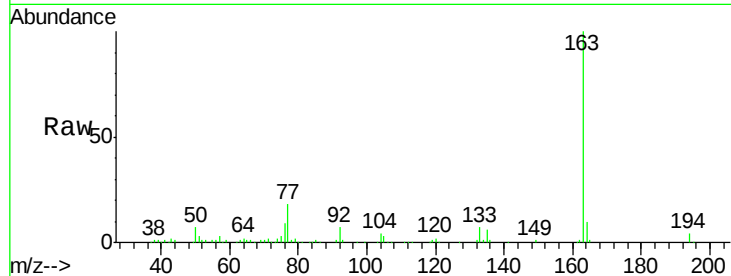




#49
Dimethylphthalate
Concen: 7.232 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

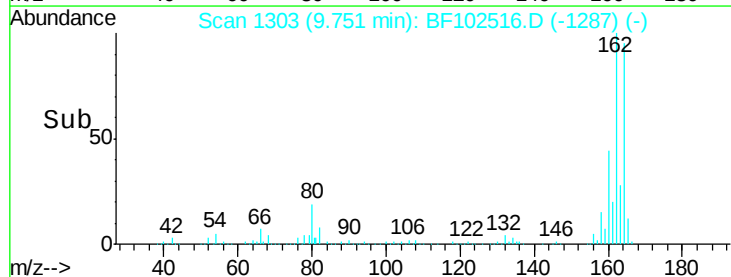
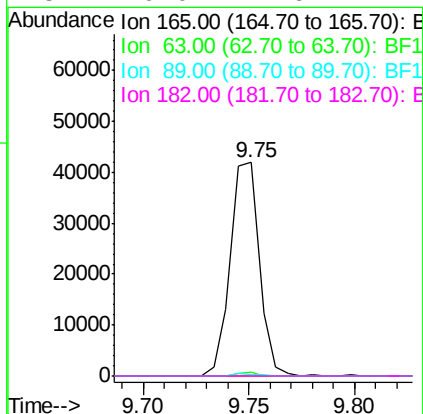
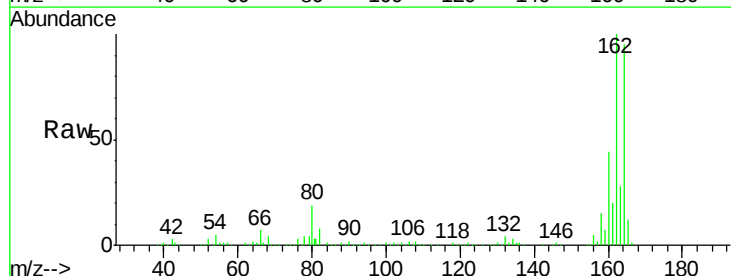
Instrument :
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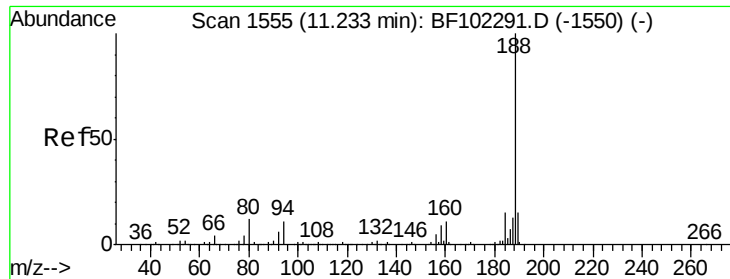
Tgt Ion:163 Resp: 188794
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.759 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Tgt Ion:165 Resp: 39863
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 0.9 57.8 86.6#
182 0.0 1.6 2.4#

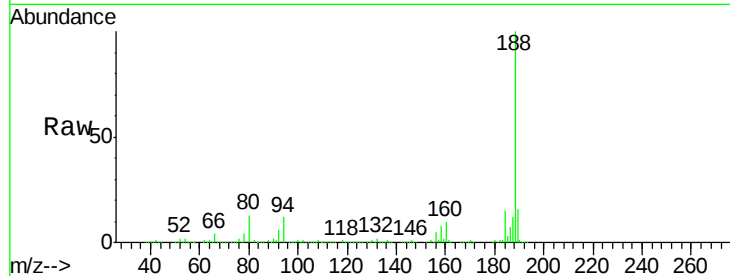




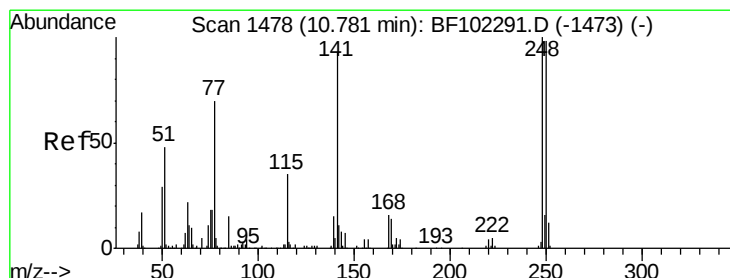
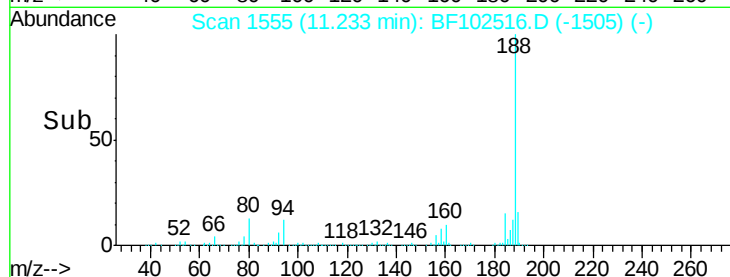
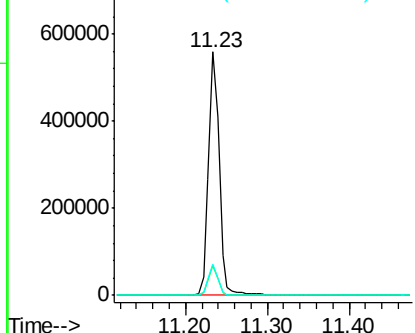
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Instrument :
BNA_F
ClientSampleId :
MANHOLE-201

Tgt Ion:188 Resp: 506511
Ion Ratio Lower Upper
188 100
94 12.0 8.5 12.7
80 12.8 9.2 13.8

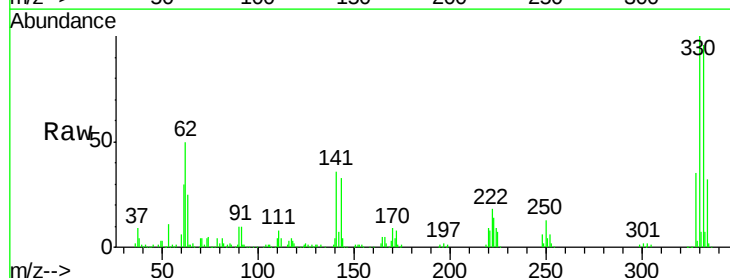


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

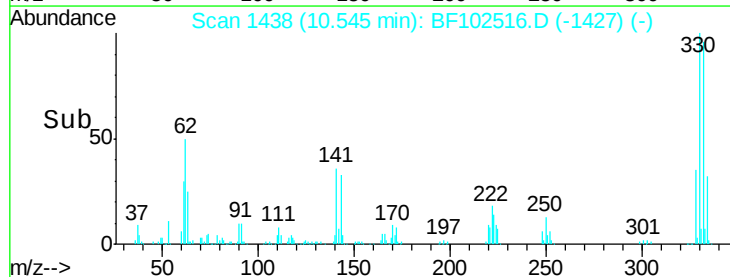
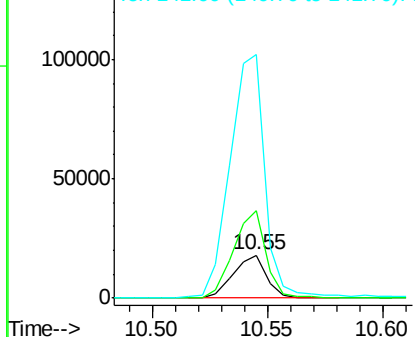


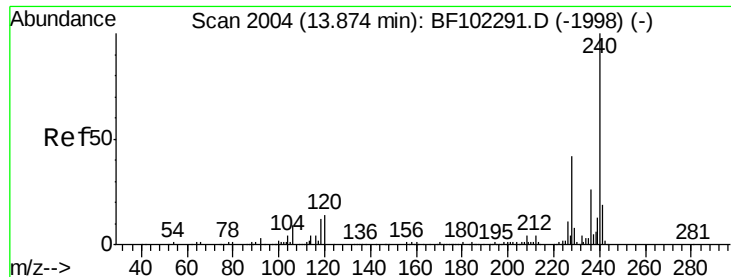
#66
4-Bromophenyl-phenylether
Concen: 3.282 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Tgt Ion:248 Resp: 17897
Ion Ratio Lower Upper
248 100
250 204.7 76.9 115.3#
141 570.0 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

Instrument :

BNA_F

ClientSampleId :

MANHOLE-201

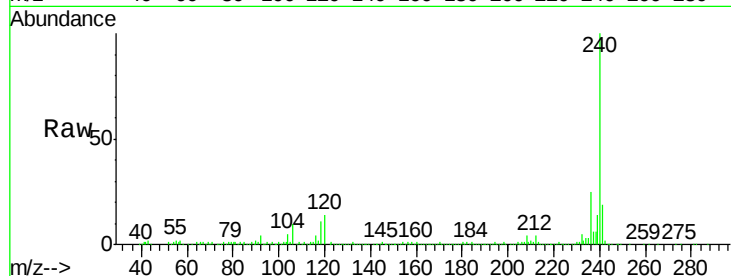
Tgt Ion:240 Resp: 317631

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

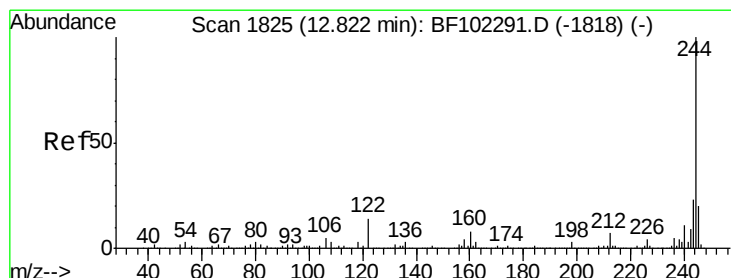
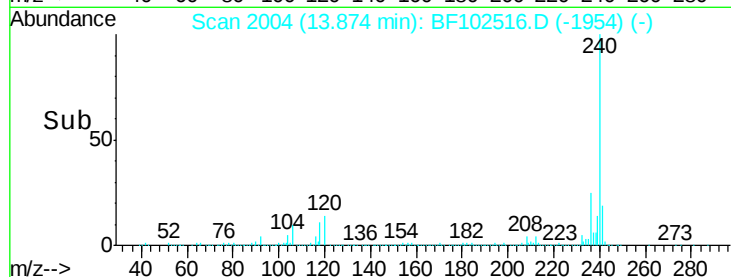
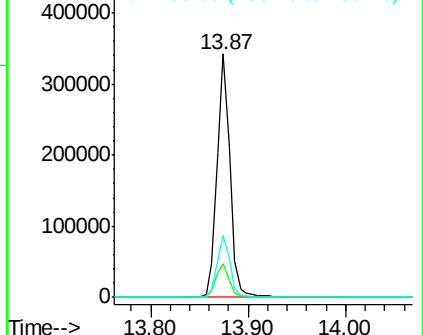
236 25.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 77.742 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102516.D

Acq: 27 Jan 2018 17:59

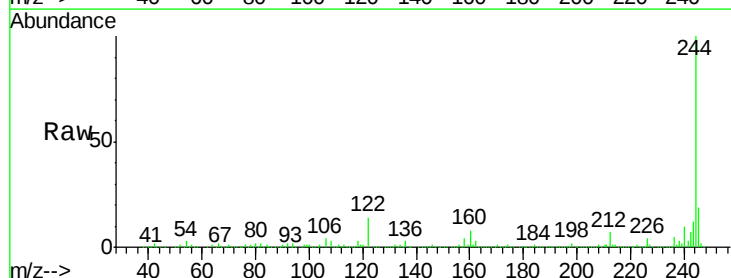
Tgt Ion:244 Resp: 1095350

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

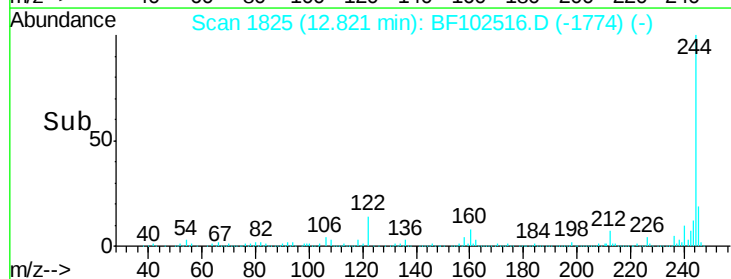
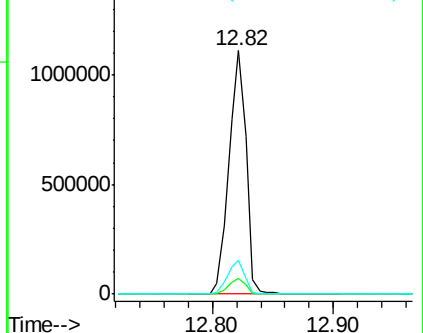
122 14.0 11.0 16.4

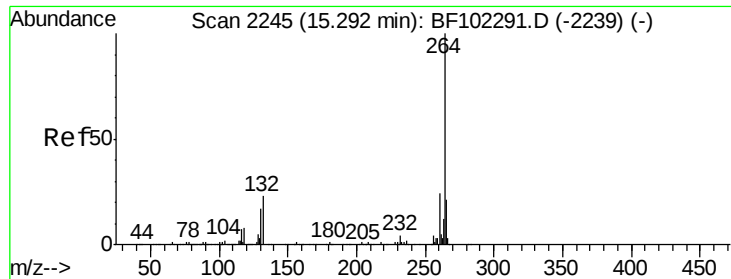


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

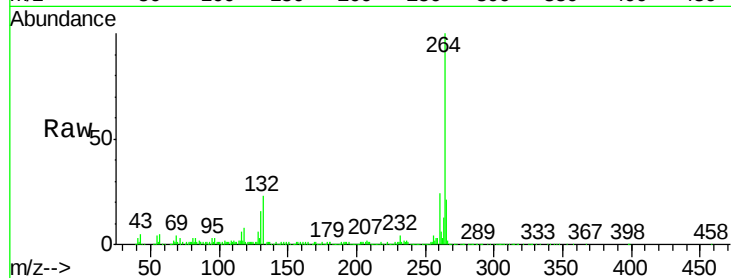




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF102516.D
Acq: 27 Jan 2018 17:59

Instrument :
BNA_F
ClientSampleId :
MANHOLE-201

Tgt Ion: 264 Resp: 295503
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 20.9 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

