

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\
 Data File : BF102205.D
 Acq On : 18 Jan 2018 21:27
 Operator : SJ/JU
 Sample : J1168-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 19 00:16:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158078	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	628615	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	261573	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	382197	20.00	ng	0.00
75) Chrysene-d12	13.87	240	278465	20.00	ng	0.00
86) Perylene-d12	15.29	264	248874	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1254242	112.04	ng	0.02
7) Phenol-d6	6.37	99	1500343	112.33	ng	0.01
23) Nitrobenzene-d5	7.29	82	920850	86.08	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	266775	116.87	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1567769	93.64	ng	0.00
78) Terphenyl-d14	12.83	244	1077892	80.37	ng	0.00

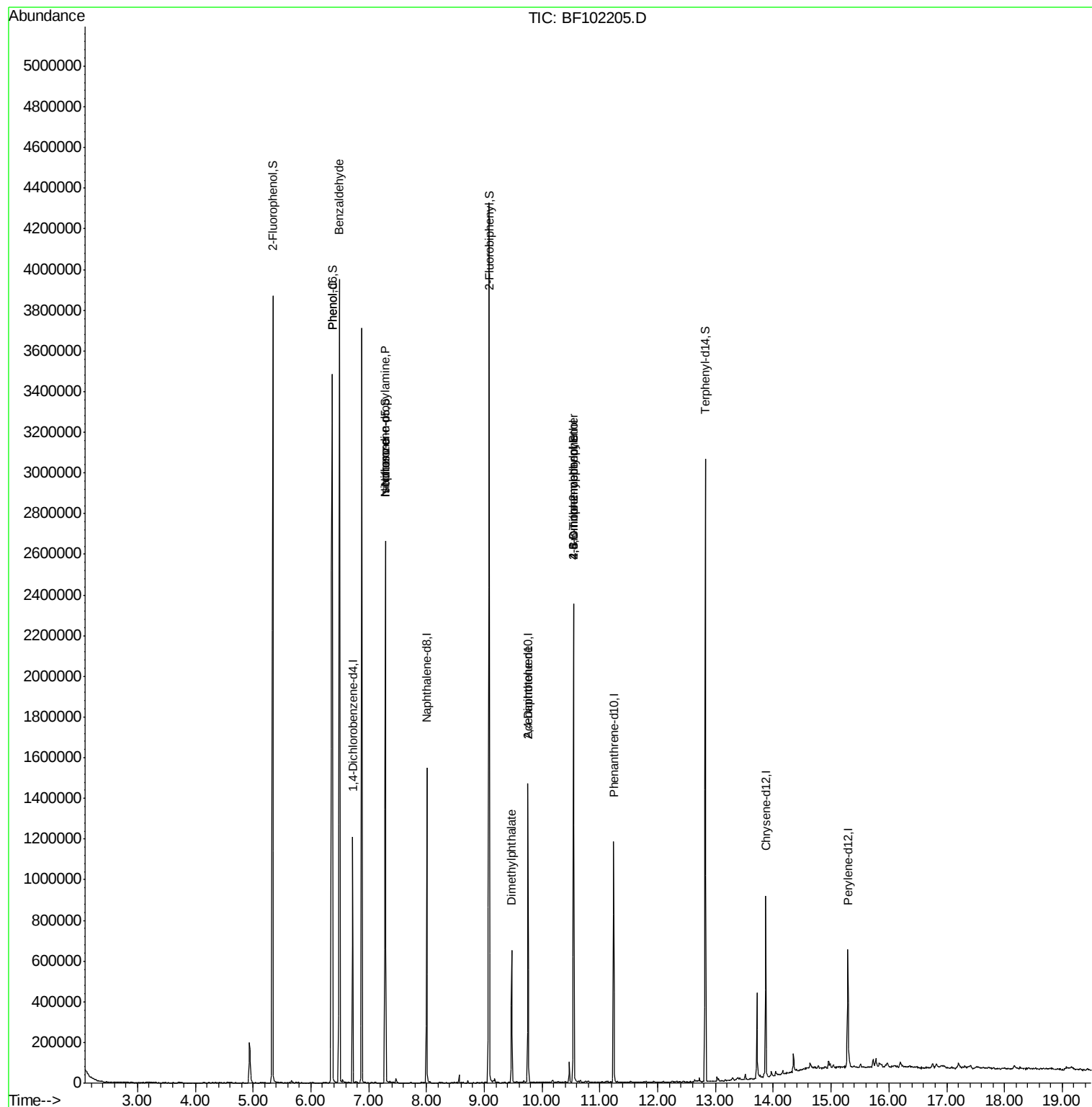
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	26746	2.884	ng	83
10) Phenol	6.37	94	67444	4.468	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	124311	14.202	ng	# 79
25) Isophorone	7.29	82	912942	43.192	ng	# 64
49) Dimethylphthalate	9.47	163	227403	10.837	ng	99
56) 2,4-Dinitrotoluene	9.76	165	32623	6.210	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	488	5.870	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17113	4.240	ng	# 1

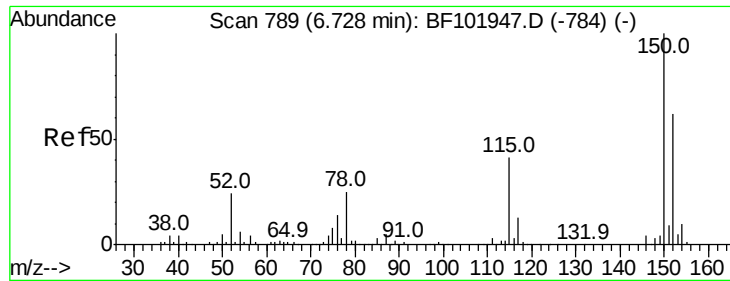
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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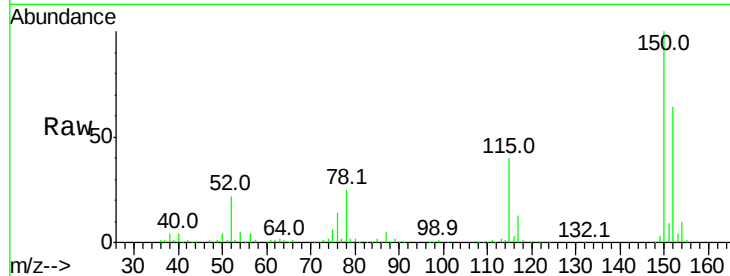


#1

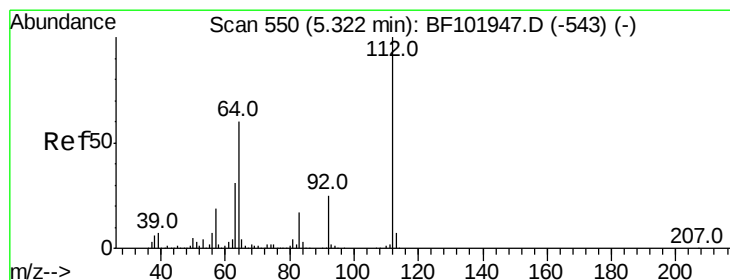
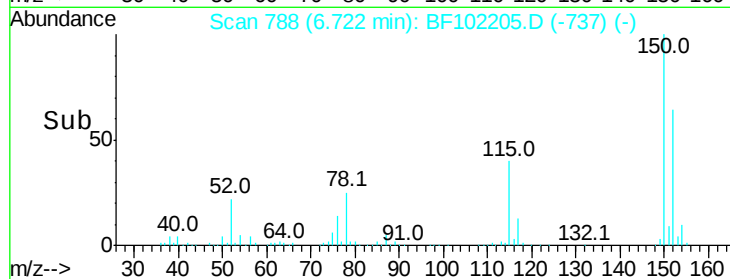
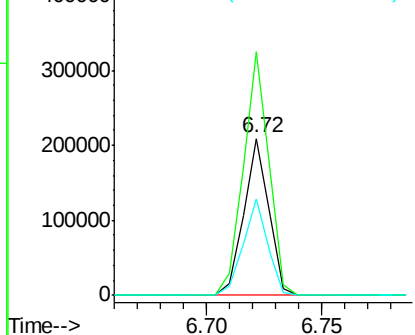
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158078
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 61.7 50.1 75.1



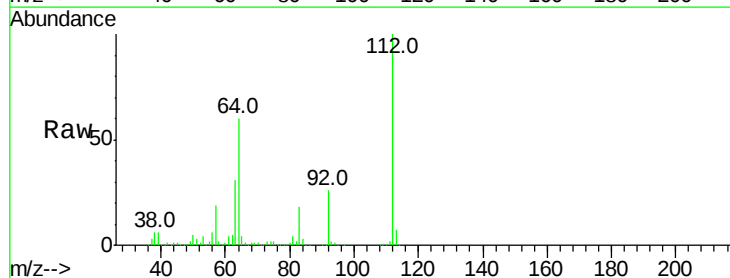
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



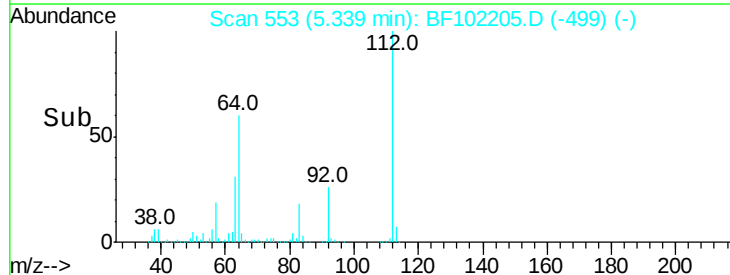
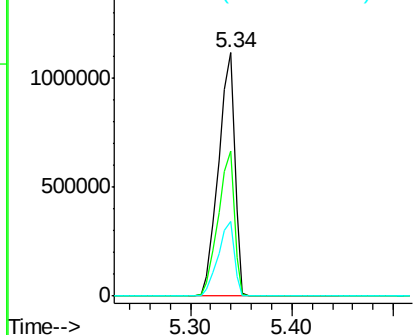
#5

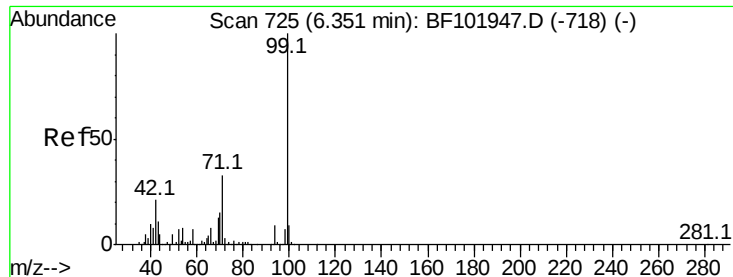
2-Fluorophenol
Concen: 112.039 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Tgt Ion:112 Resp: 1254242
Ion Ratio Lower Upper
112 100
64 59.6 47.9 71.9
63 30.6 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: 112.331 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

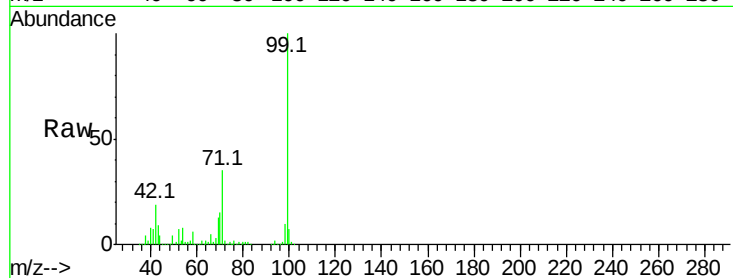
Tot Ion: 99 Resp: 1500343

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

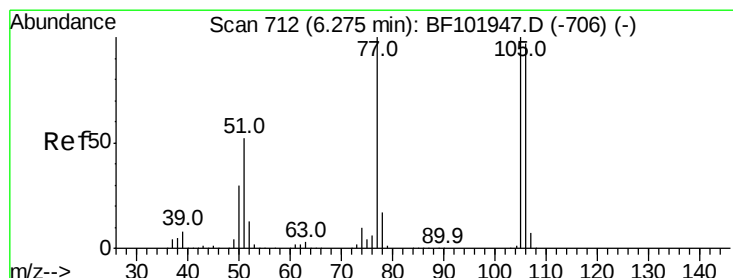
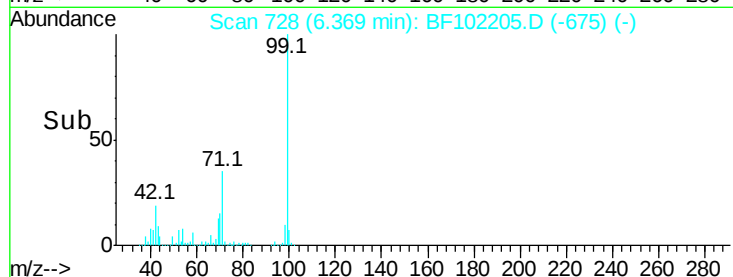
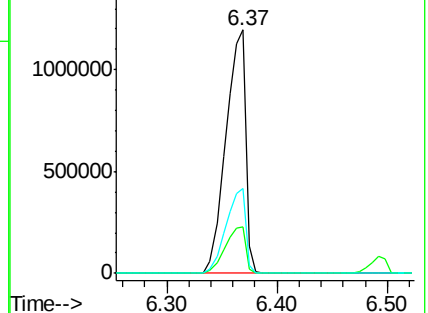
71 34.8 25.4 38.0



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: 2.884 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

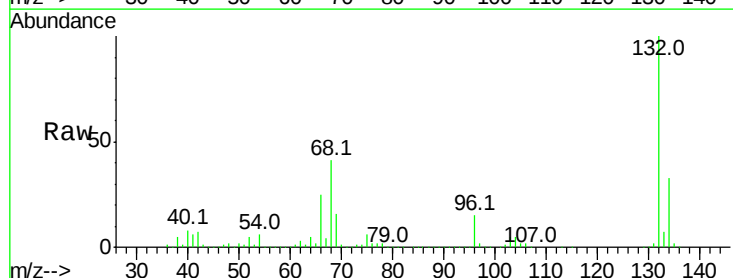
Tgt Ion: 77 Resp: 26746

Ion Ratio Lower Upper

77 100

105 81.6 81.1 121.1

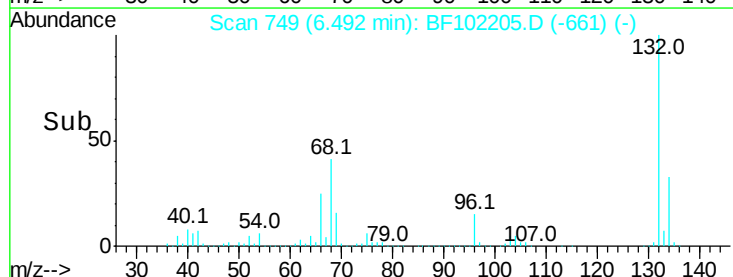
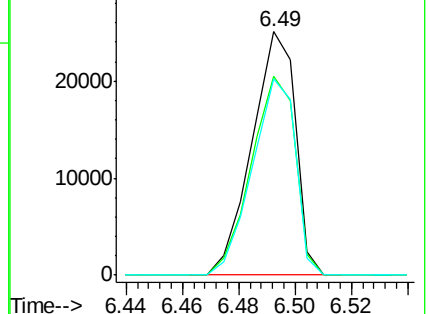
106 80.8 74.5 114.5

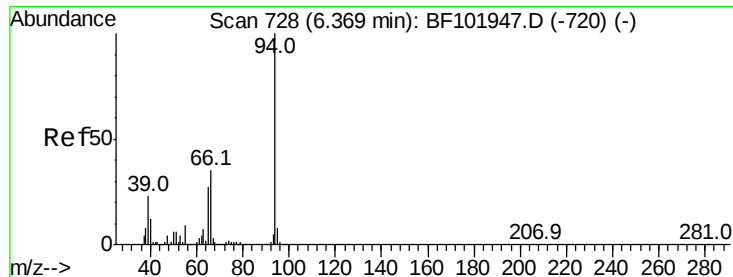


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.468 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

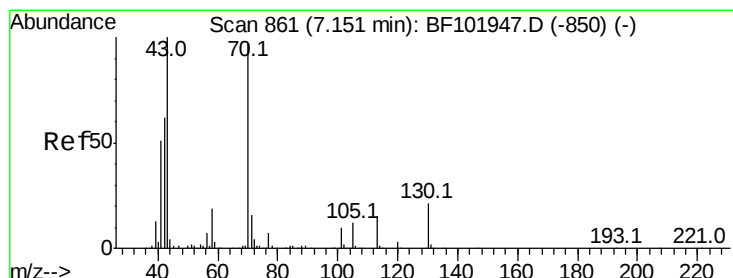
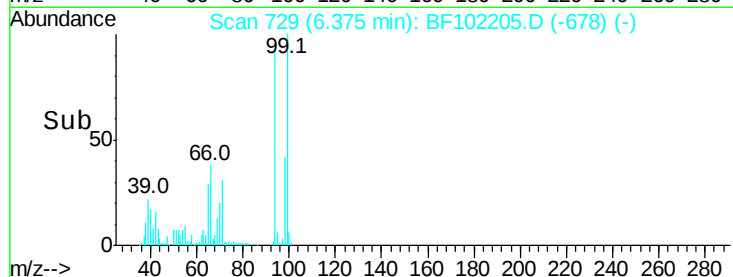
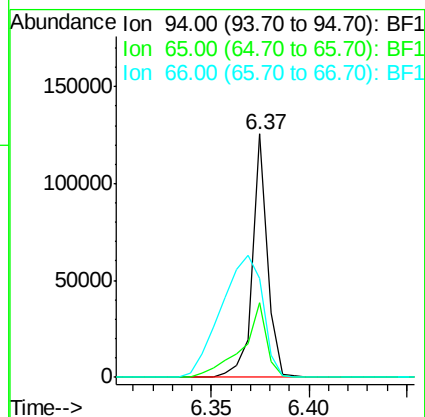
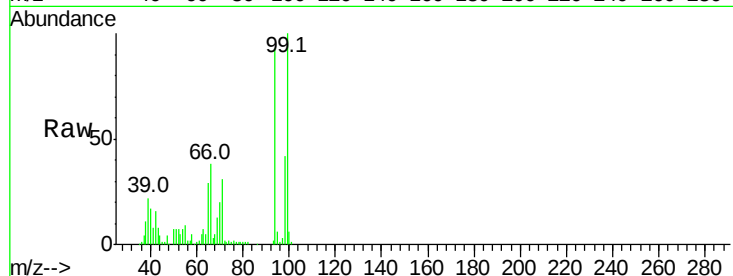
Tot Ion: 94 Resp: 67444

Ion Ratio Lower Upper

94 100

65 30.7 7.9 47.9

66 40.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.202 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.15 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Tgt Ion: 70 Resp: 124311

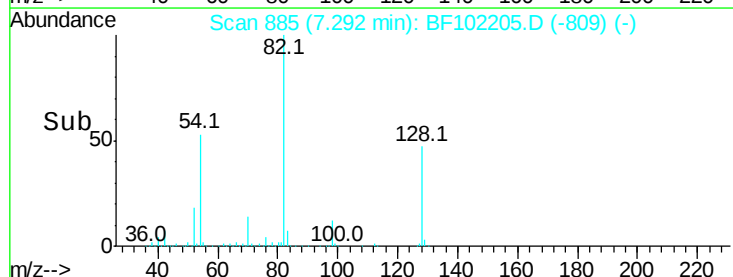
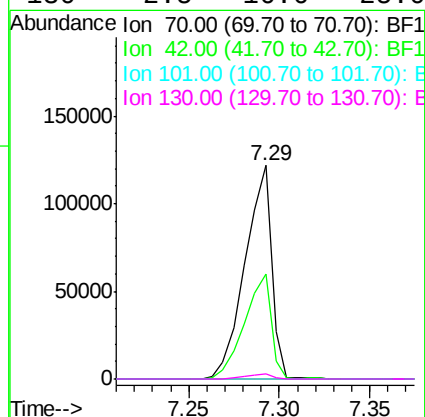
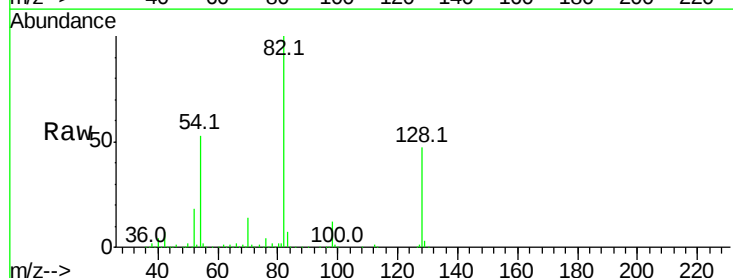
Ion Ratio Lower Upper

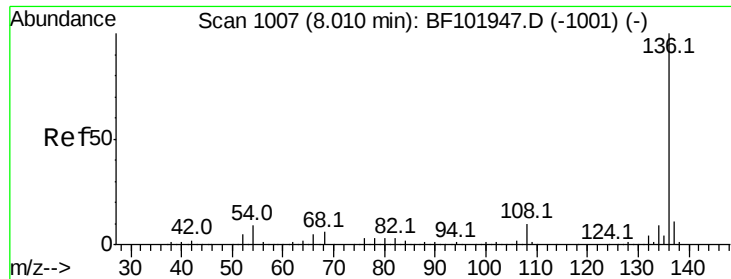
70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

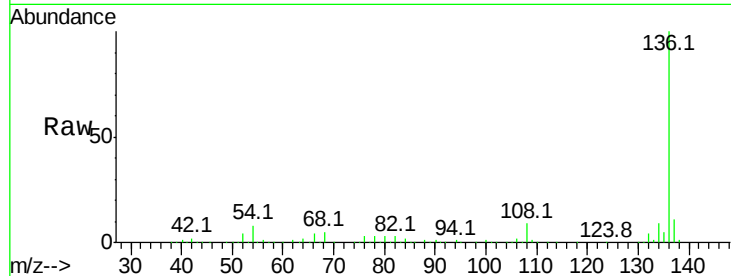




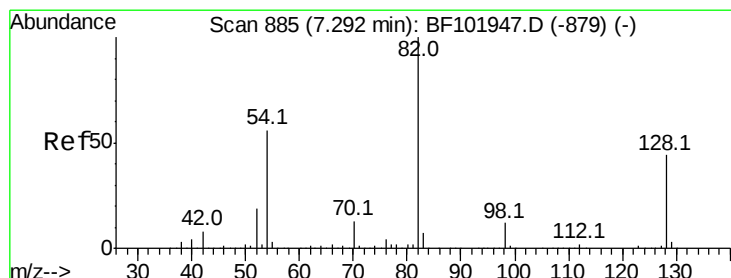
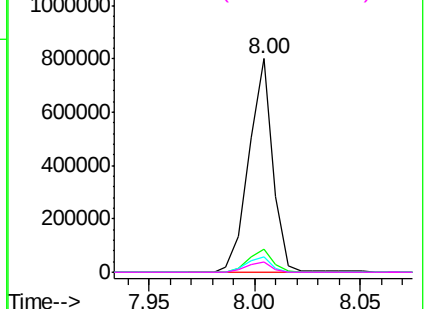
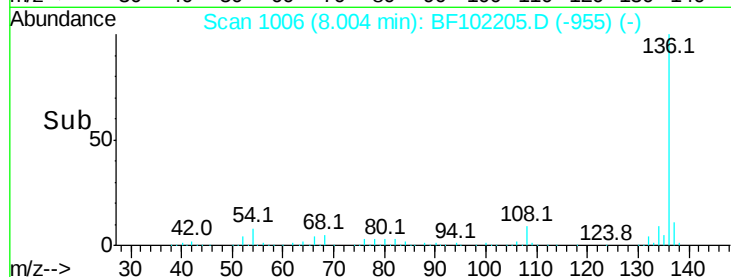
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	628615
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.5	6.6	9.8
68	5.1	5.0	7.4

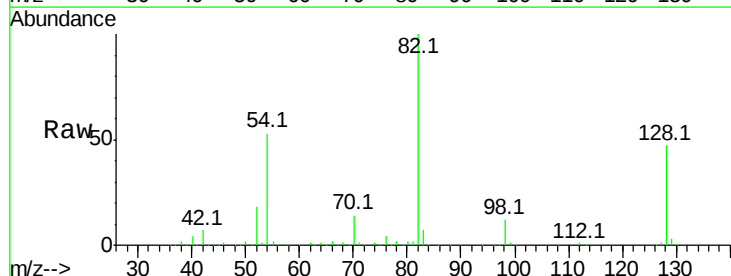


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

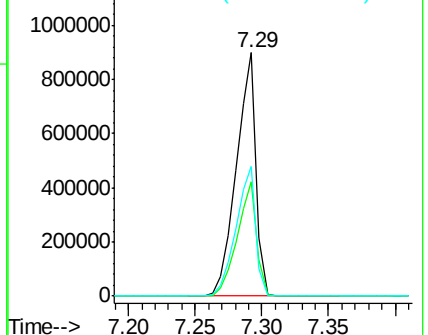
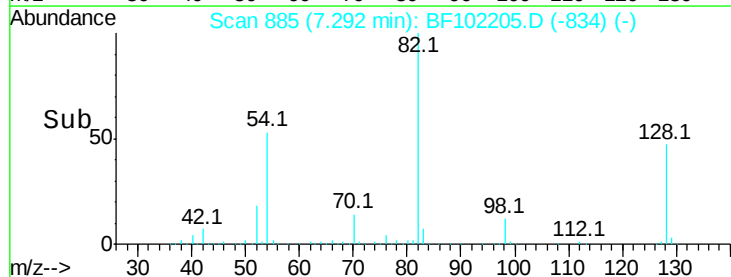


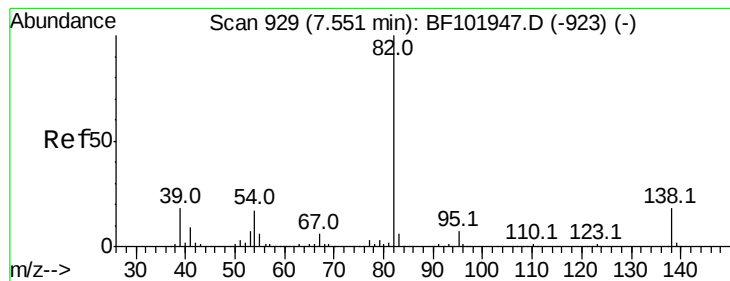
#23
Nitrobenzene-d5
Concen: 86.083 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Tgt Ion:	82	Resp:	920850
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	53.4	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: 43.192 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampled :

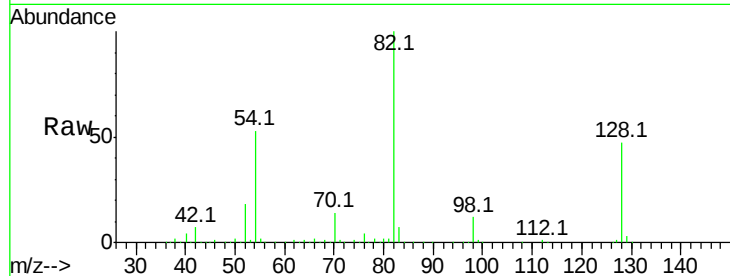
Tot Ion: 82 Resp: 912942

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

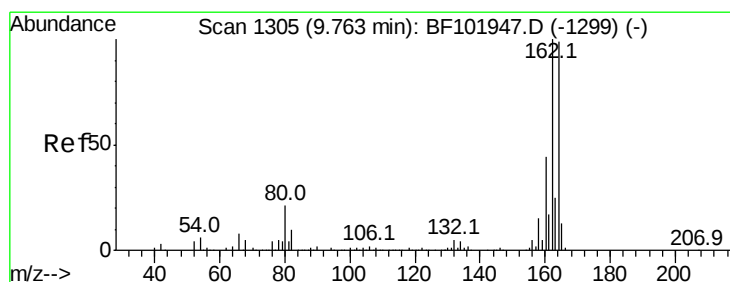
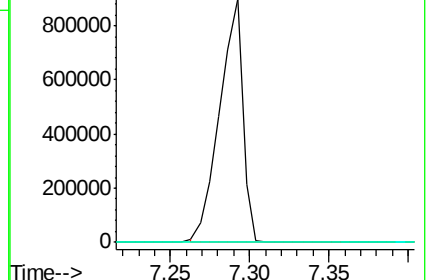
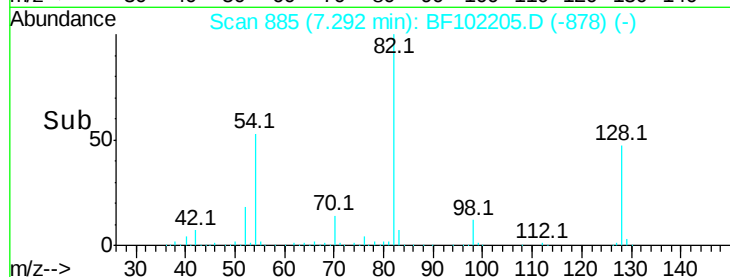
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

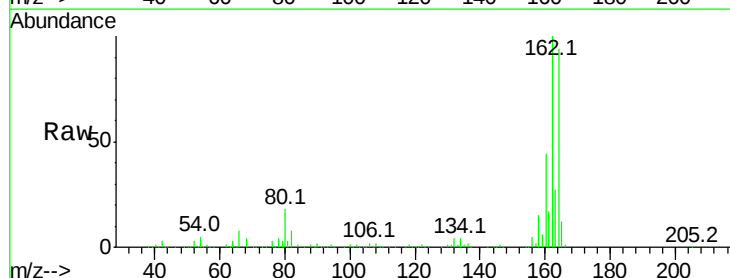
Tgt Ion:164 Resp: 261573

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

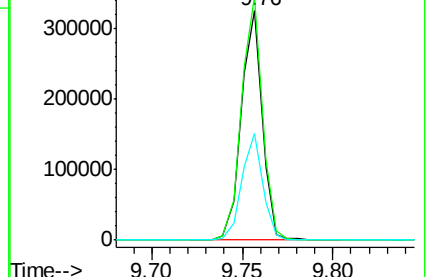
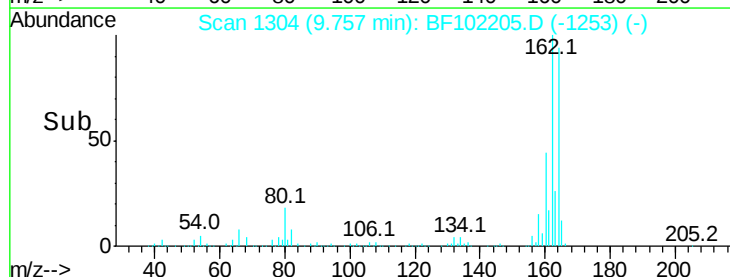
160 46.5 38.3 57.5

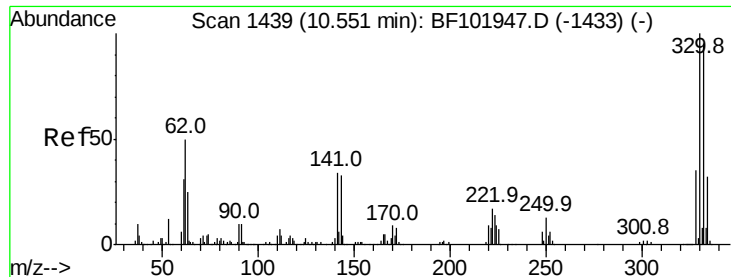


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

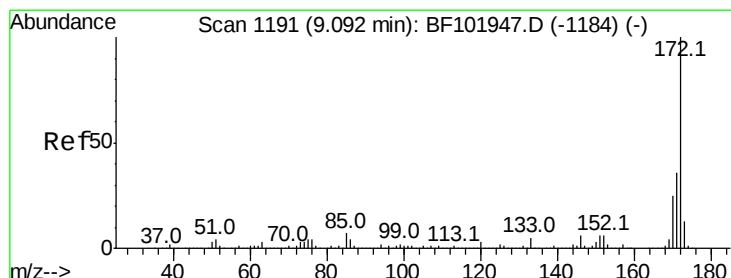
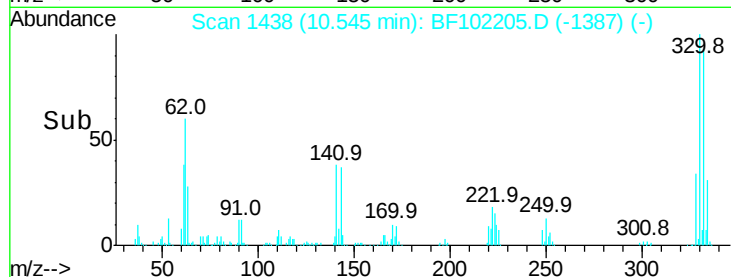
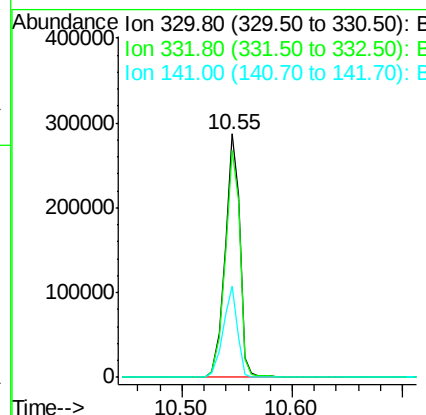
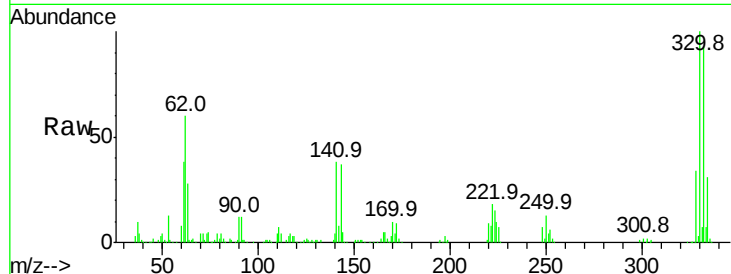




#41
 2,4,6-Tribromophenol
 Concen: 116.867 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102205.D
 Acq: 18 Jan 2018 21:27

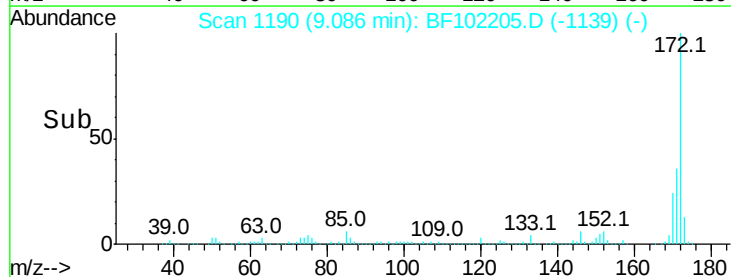
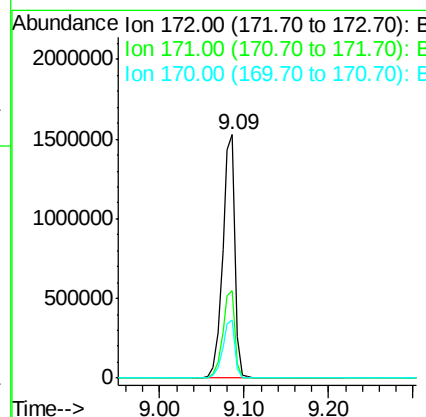
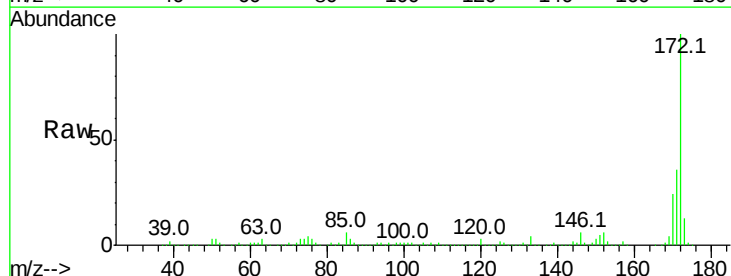
Instrument :
 BNA_F
 ClientSampled :

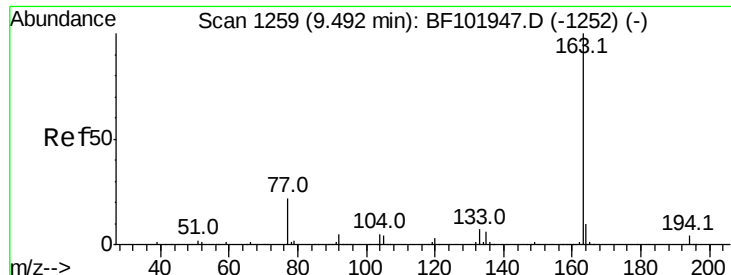
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	36.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 93.637 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BF102205.D
 Acq: 18 Jan 2018 21:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4





#49

Dimethylphthalate

Concen: 10.837 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

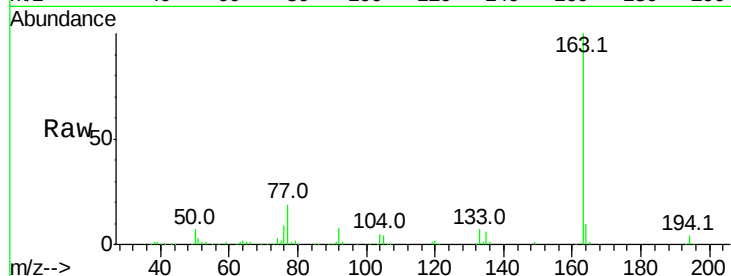
Tot Ion:163 Resp: 227403

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

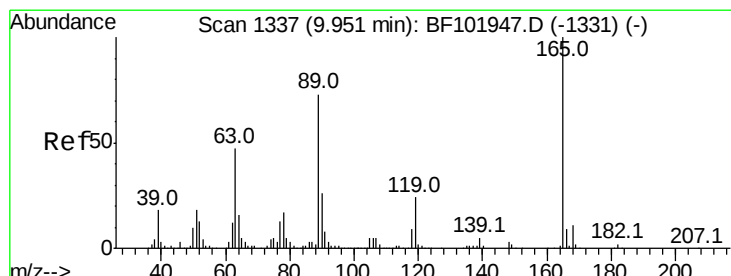
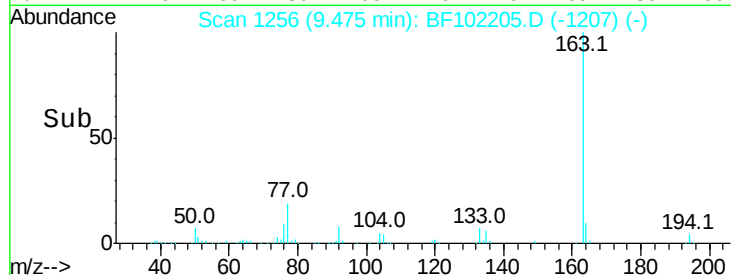
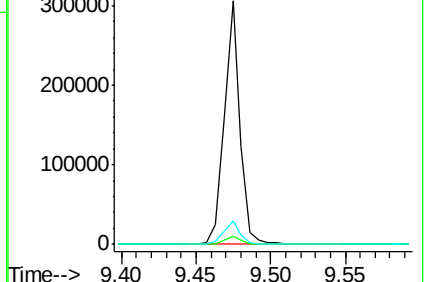
164 9.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.210 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Tgt Ion:165 Resp: 32623

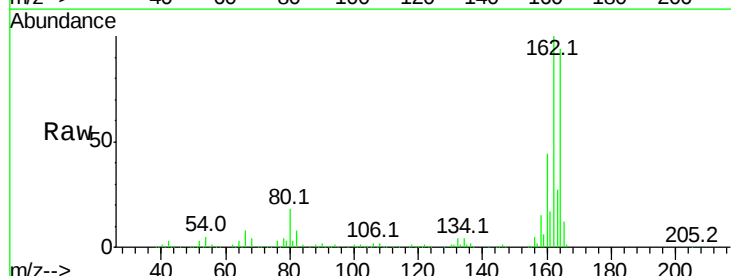
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

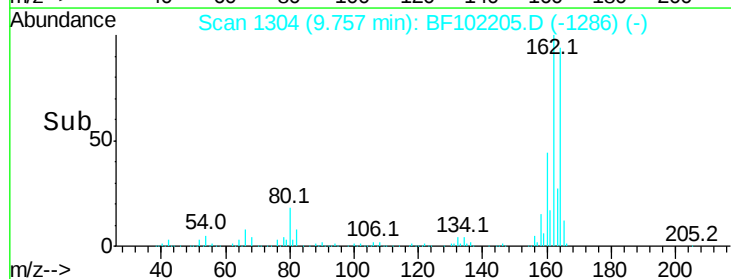
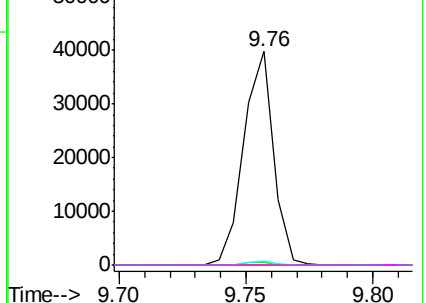


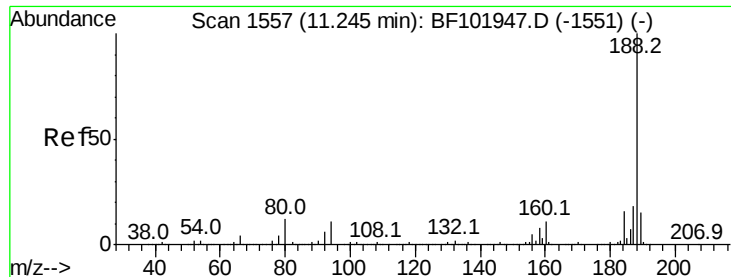
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampleId :

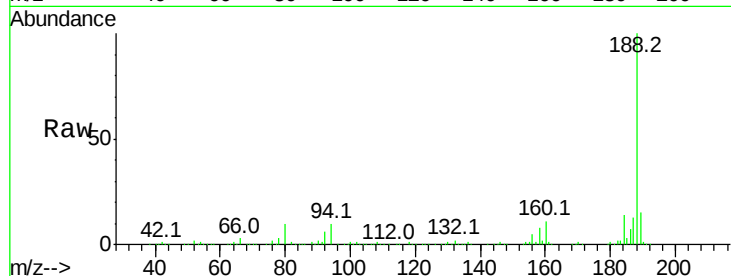
Tot Ion:188 Resp: 382197

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

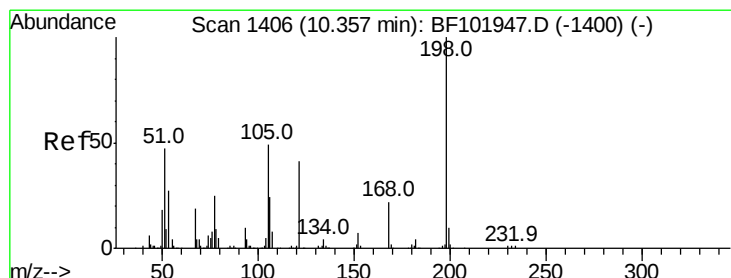
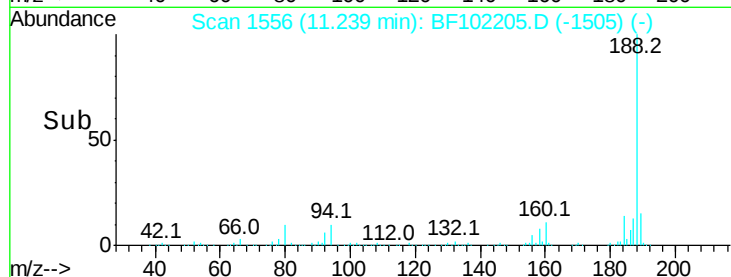
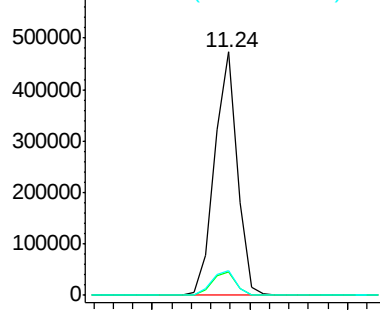
80 10.1 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.870 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

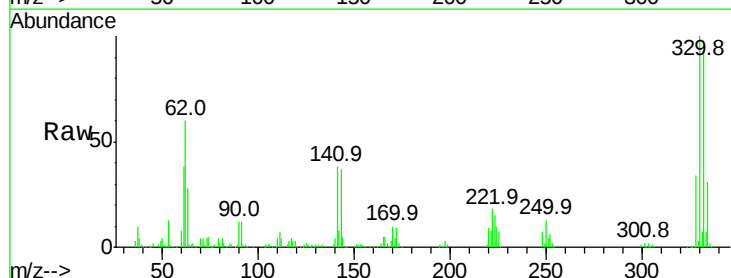
Tgt Ion:198 Resp: 488

Ion Ratio Lower Upper

198 100

51 257.8 37.7 77.7#

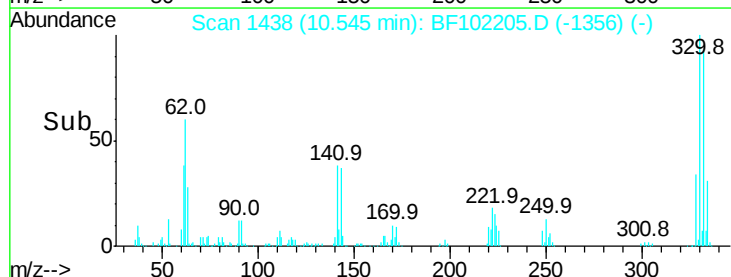
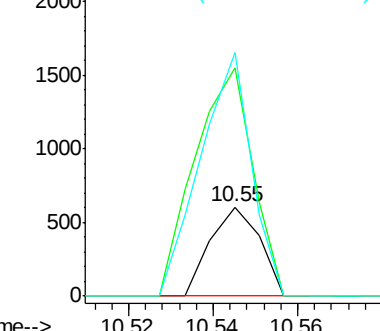
105 274.4 36.3 76.3#

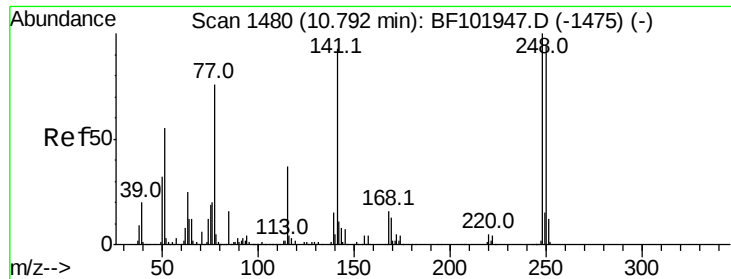


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

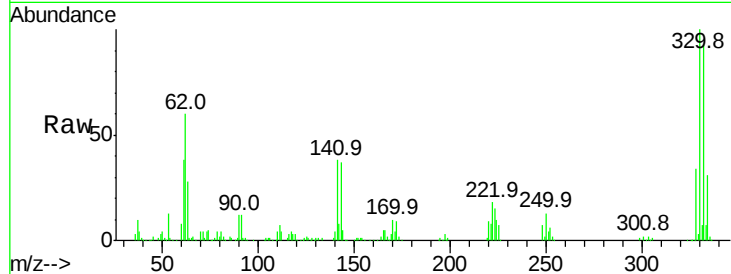




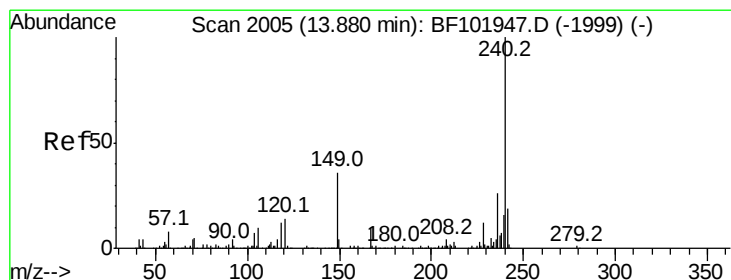
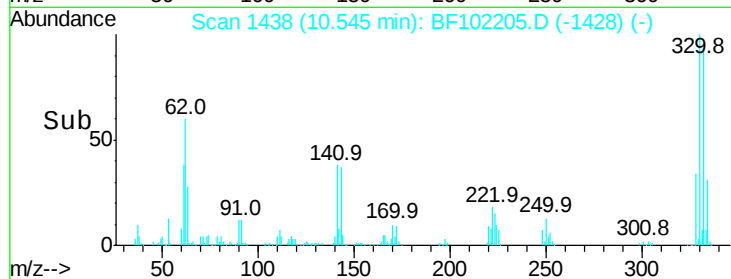
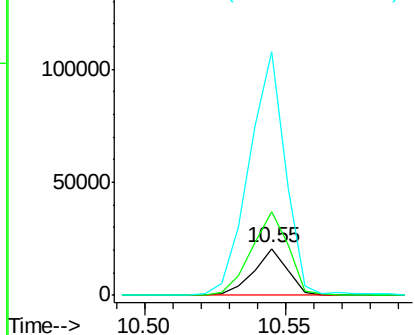
#66
4-Bromophenyl-phenylether
Concen: 4.240 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17113
Ion Ratio Lower Upper
248 100
250 178.1 76.9 115.3#
141 517.4 74.4 111.6#

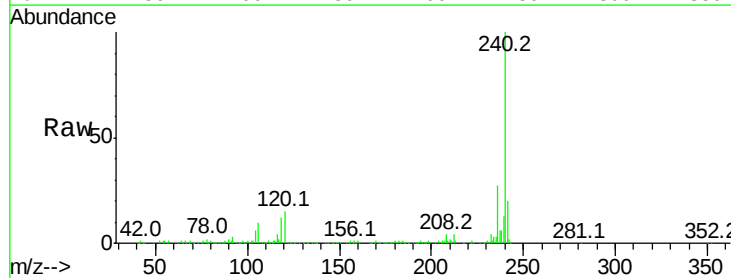


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

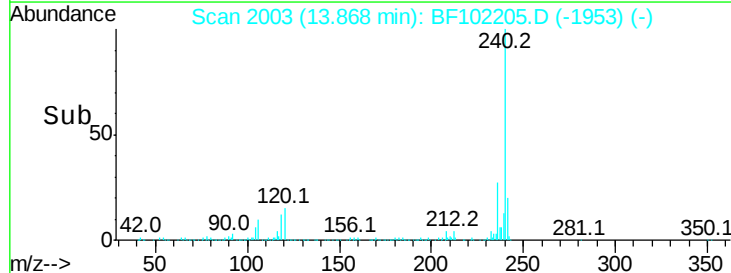
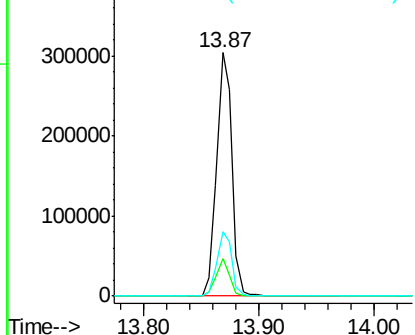


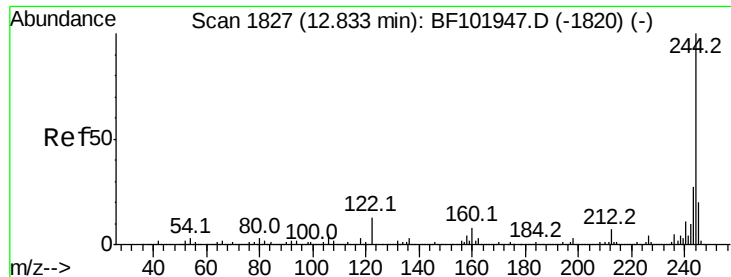
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102205.D
Acq: 18 Jan 2018 21:27

Tgt Ion:240 Resp: 278465
Ion Ratio Lower Upper
240 100
120 15.5 9.5 14.3#
236 26.7 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: 80.369 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

Instrument :

BNA_F

ClientSampled :

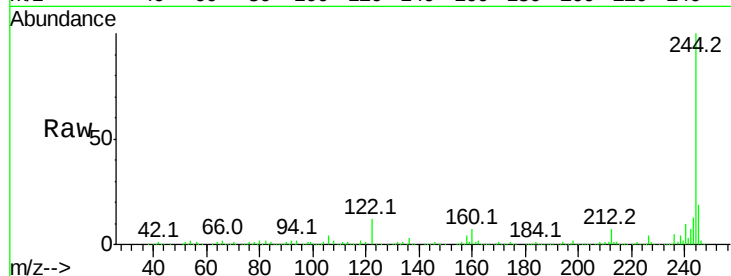
Tot Ion:244 Resp: 1077892

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

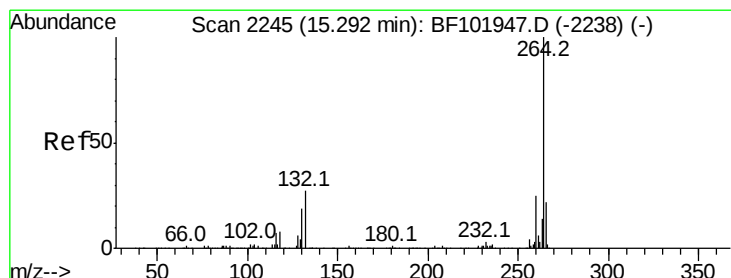
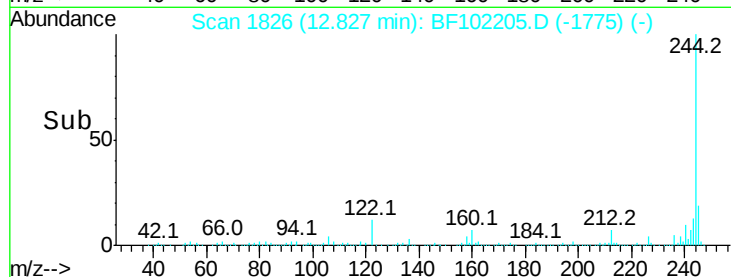
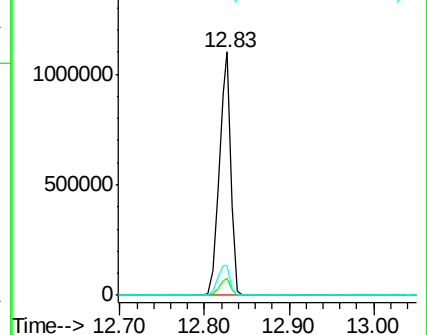
122 12.5 11.0 16.4



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: 15.29 min Scan# 2245

Delta R.T. 0.01 min

Lab File: BF102205.D

Acq: 18 Jan 2018 21:27

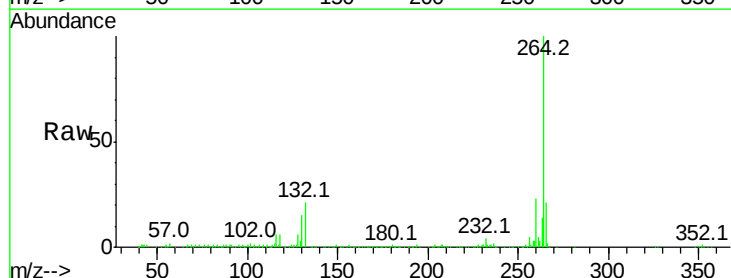
Tgt Ion:264 Resp: 248874

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.4 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

