

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102088.D
 Acq On : 16 Jan 2018 2:40
 Operator : SJ/JU
 Sample : J1114-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:57:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

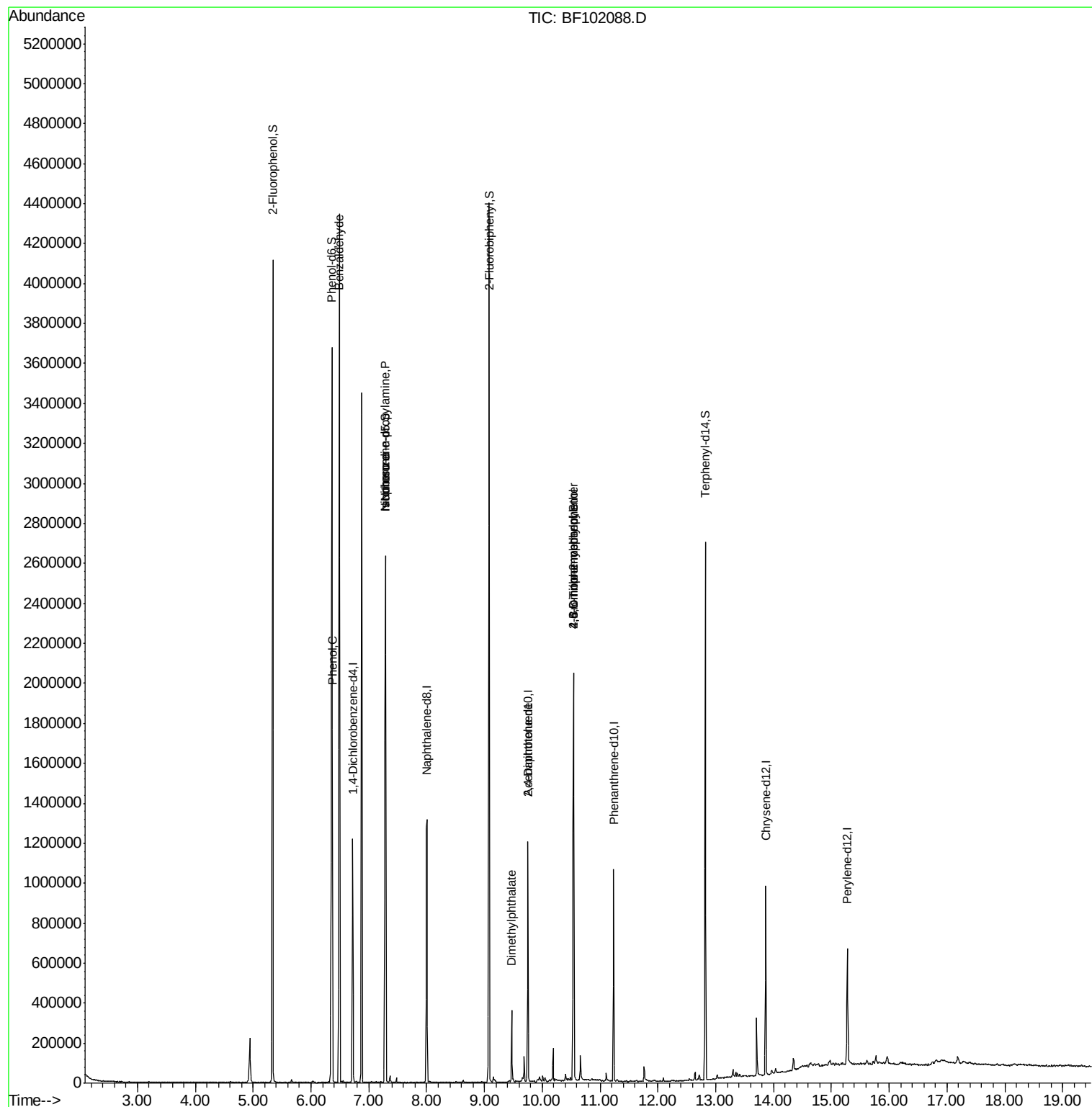
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	158091	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	609000	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	226969	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	313125	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	292841	20.00	ng	-0.02
86) Perylene-d12	15.28	264	251095	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1276422	114.01	ng	0.01
7) Phenol-d6	6.36	99	1485590	111.22	ng	0.00
23) Nitrobenzene-d5	7.29	82	946544	91.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	226979	114.59	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	1407665	96.89	ng	-0.01
78) Terphenyl-d14	12.82	244	906395	64.26	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	27497	2.965	ng	86
10) Phenol	6.37	94	41291	2.735	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	126343	14.433	ng	# 78
25) Isophorone	7.29	82	944276	46.113	ng	# 64
49) Dimethylphthalate	9.47	163	142063	7.802	ng	99
56) 2,4-Dinitrotoluene	9.75	165	28500	6.252	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	576	5.961	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	15145	4.580	ng	# 1

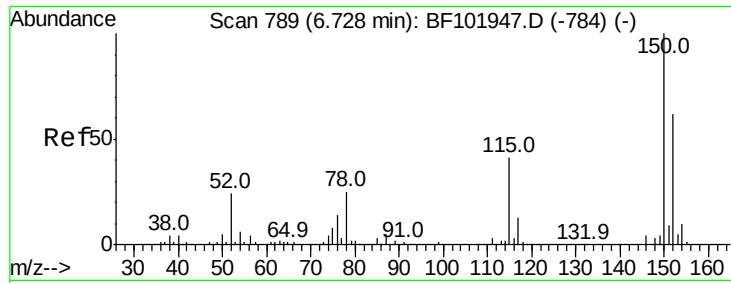
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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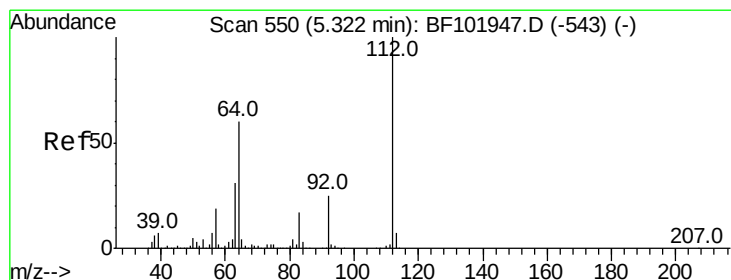
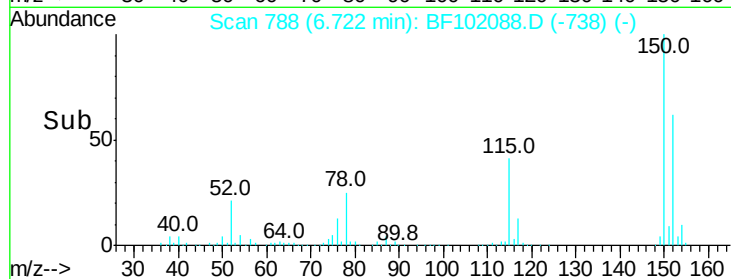
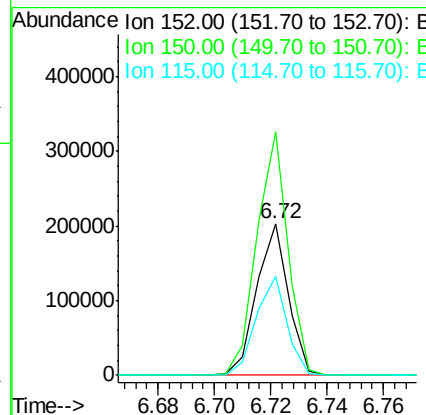
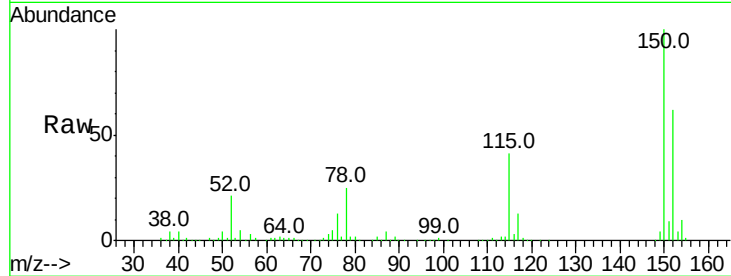


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Instrument :
BNA_F
ClientSampleId :

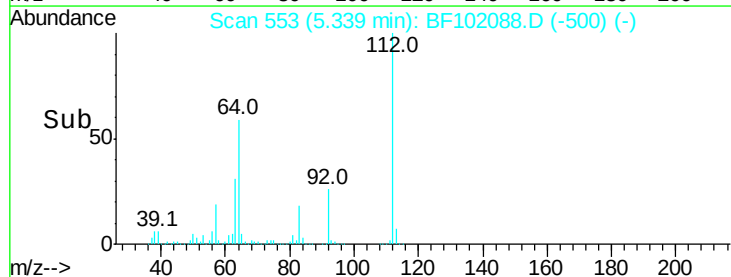
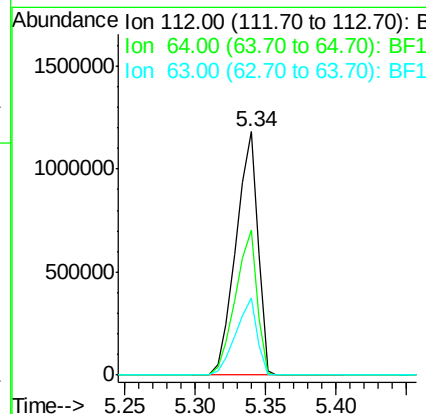
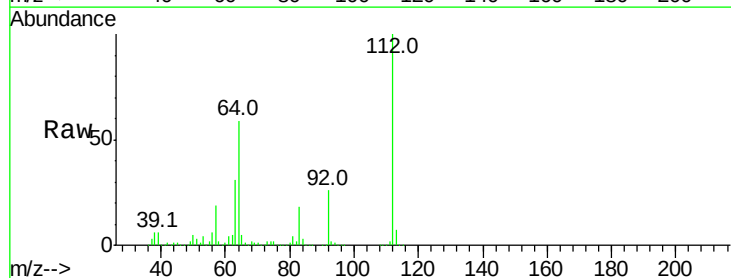
Tot Ion:152 Resp: 158091
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 65.1 50.1 75.1

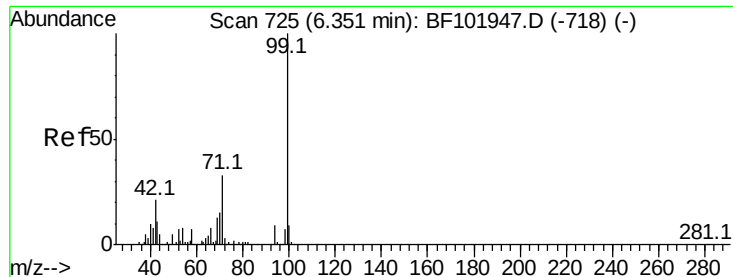


#5

2-Fluorophenol
Concen: 114.011 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Tgt Ion:112 Resp: 1276422
Ion Ratio Lower Upper
112 100
64 59.3 47.9 71.9
63 31.5 23.7 35.5





#7

Phenol-d6

Concen: 111.218 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Instrument :

BNA_F

ClientSampleId :

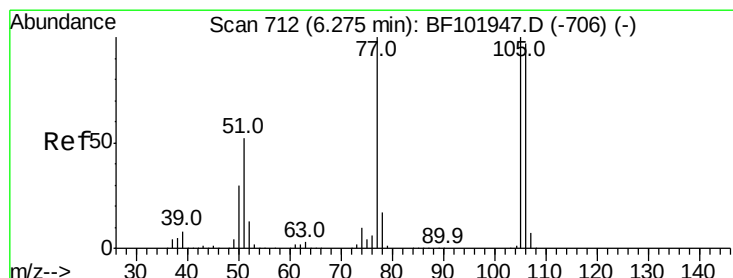
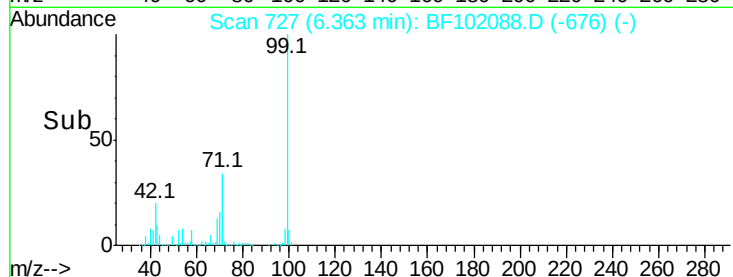
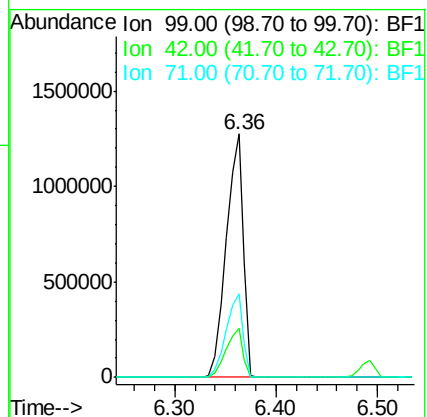
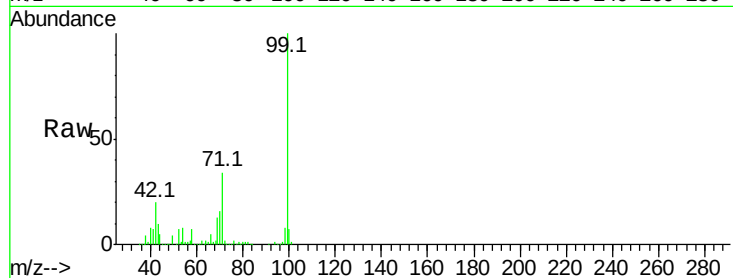
Tot Ion: 99 Resp: 1485590

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 34.3 25.4 38.0



#9

Benzaldehyde

Concen: 2.965 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

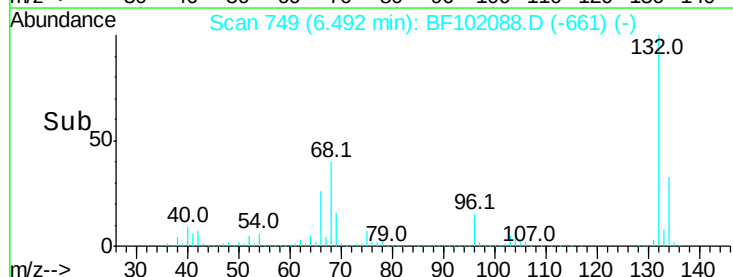
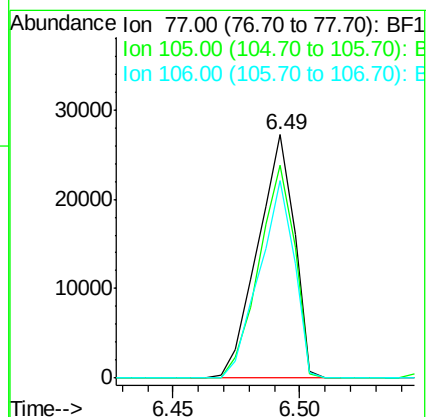
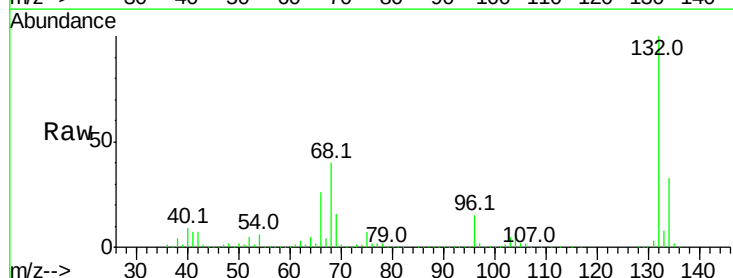
Tgt Ion: 77 Resp: 27497

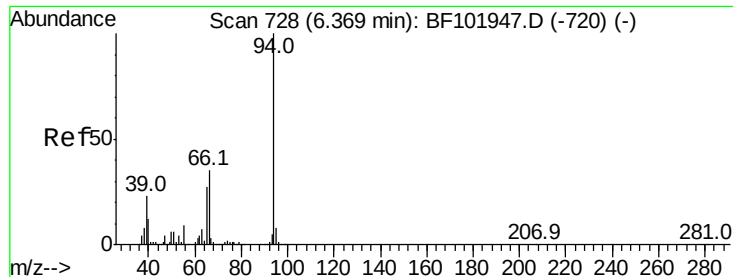
Ion Ratio Lower Upper

77 100

105 87.3 81.1 121.1

106 81.1 74.5 114.5





#10

Phenol

Concen: 2.735 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Instrument :

BNA_F

ClientSampleId :

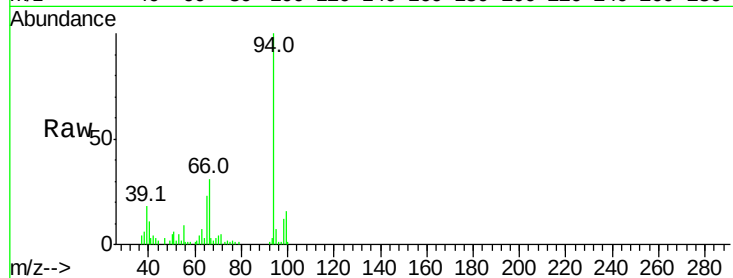
Tot Ion: 94 Resp: 41291

Ion Ratio Lower Upper

94 100

65 23.2 7.9 47.9

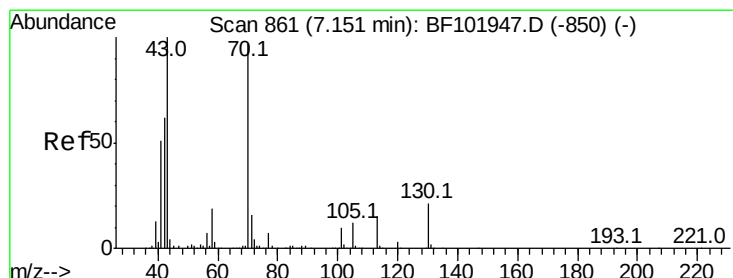
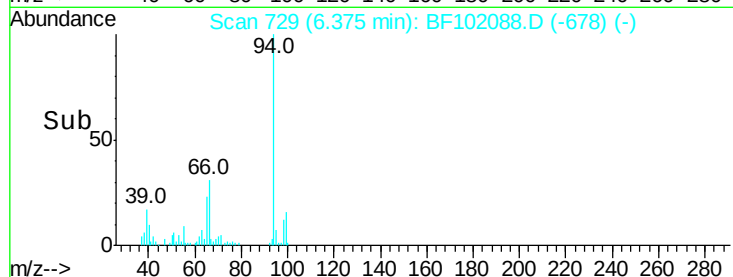
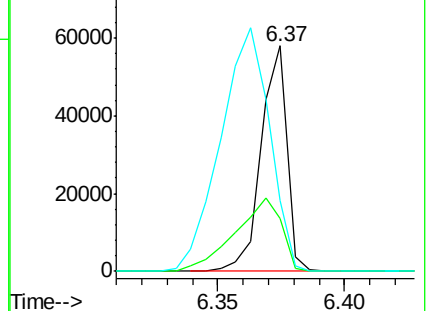
66 31.5 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.433 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Tgt Ion: 70 Resp: 126343

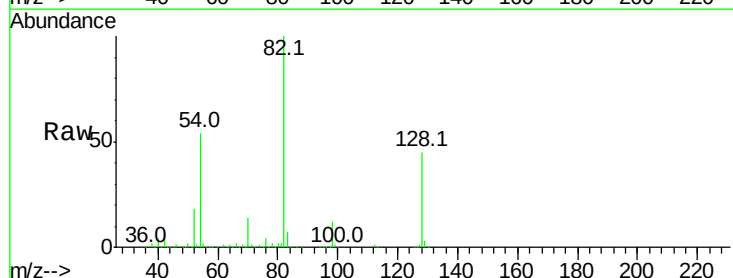
Ion Ratio Lower Upper

70 100

42 48.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

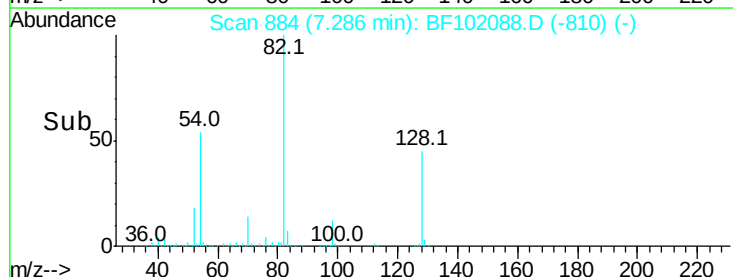
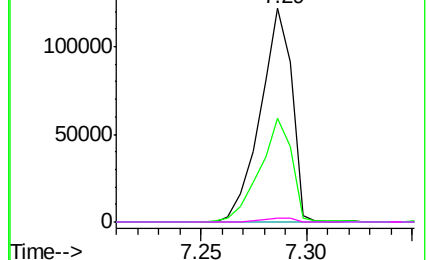


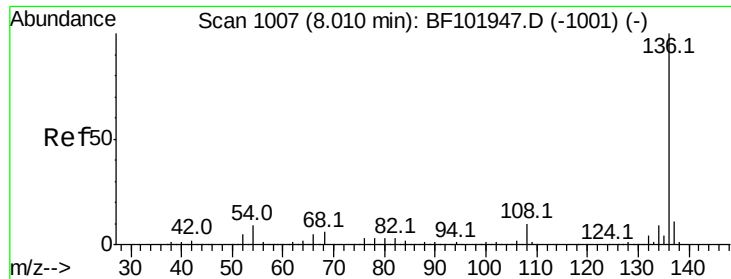
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

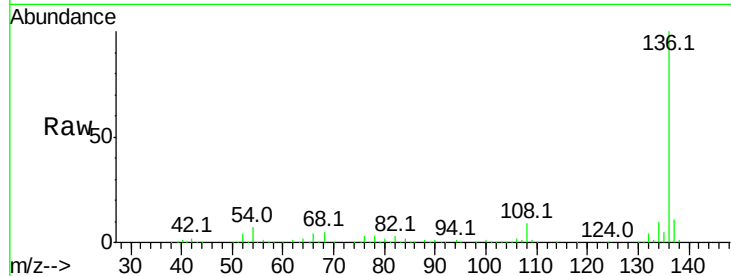




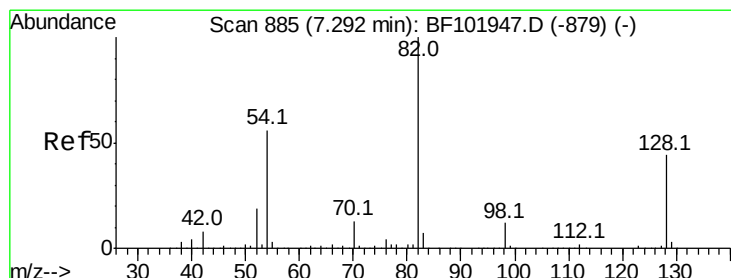
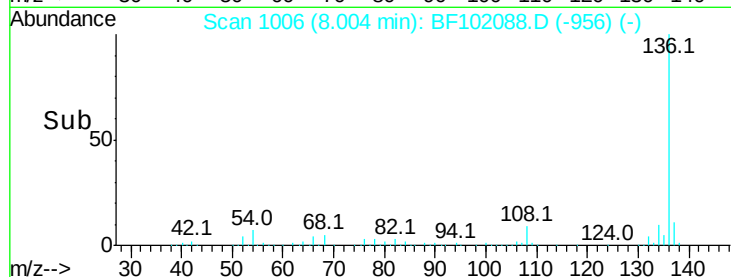
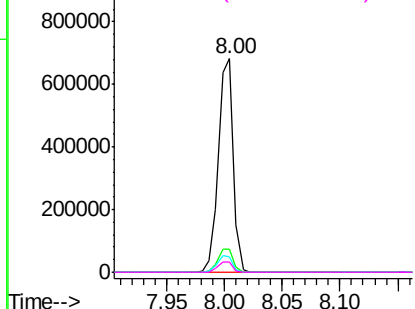
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	609000
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.1	6.6	9.8
68	4.7	5.0	7.4#

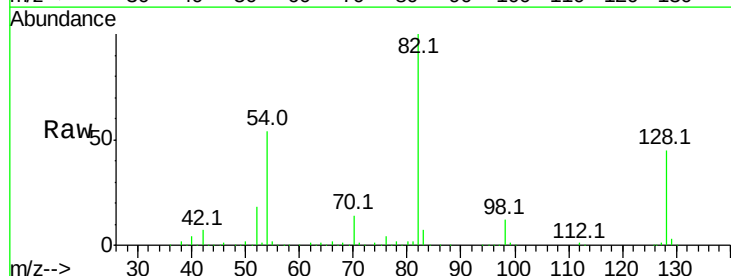


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

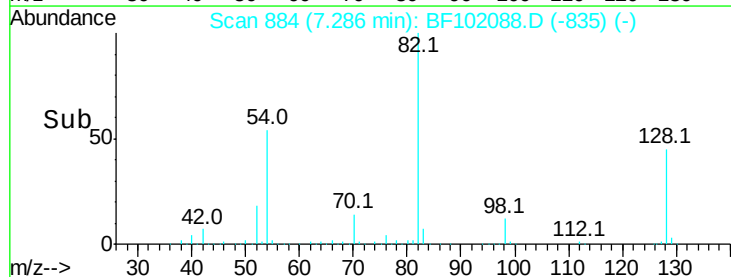
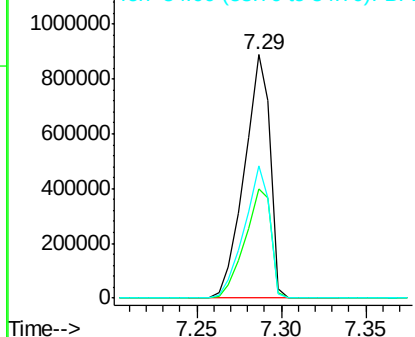


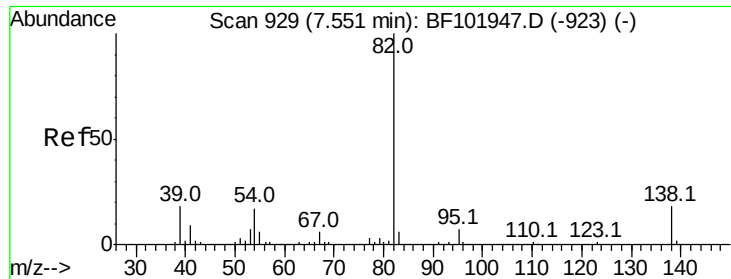
#23
Nitrobenzene-d5
Concen: 91.335 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Tgt Ion:	82	Resp:	946544
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	54.4	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: 46.113 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Instrument :

BNA_F

ClientSampled :

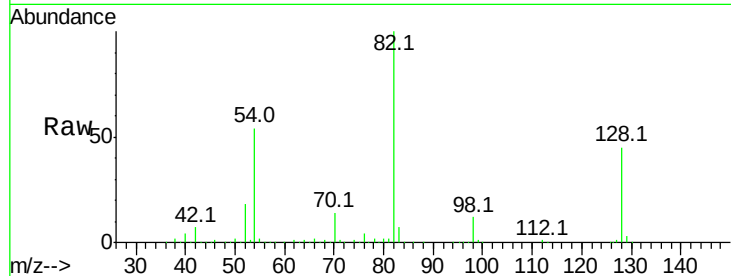
Tot Ion: 82 Resp: 944276

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

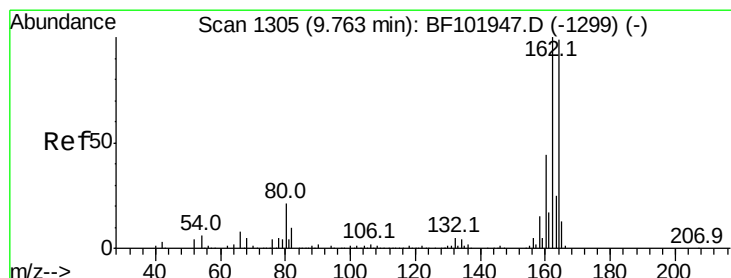
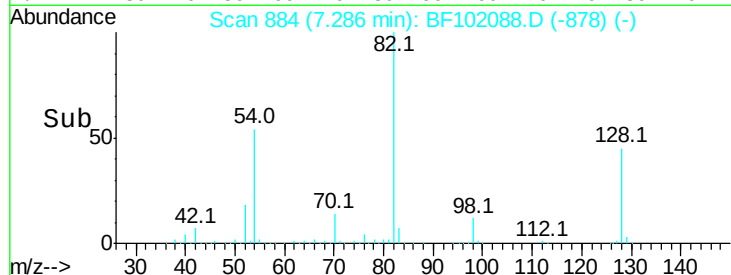
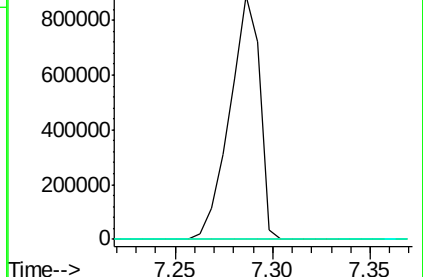
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

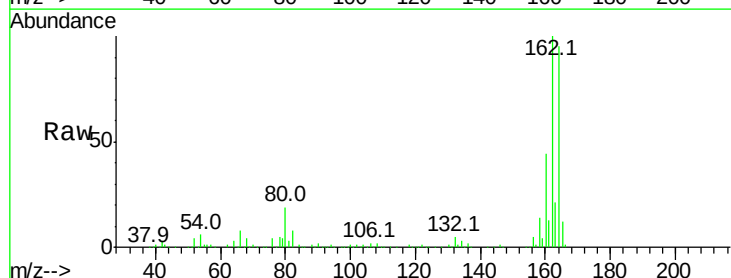
Tgt Ion:164 Resp: 226969

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

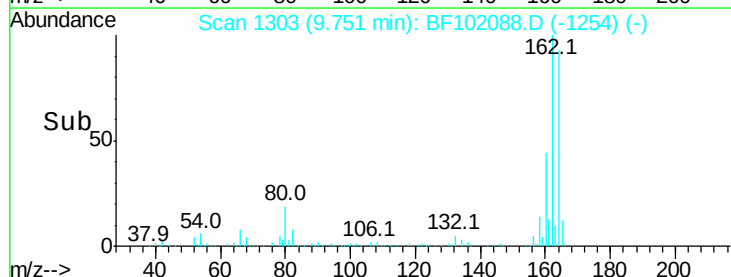
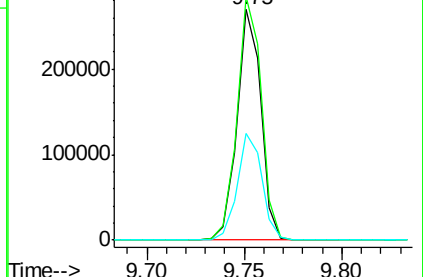
160 46.2 38.3 57.5

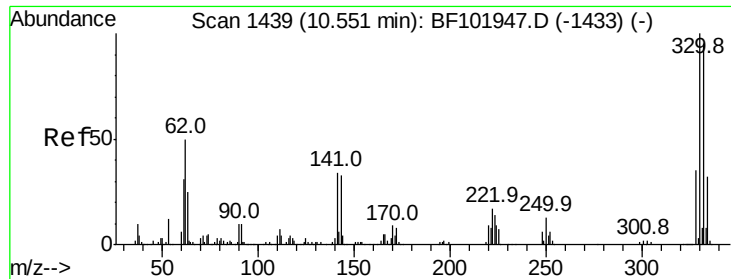


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

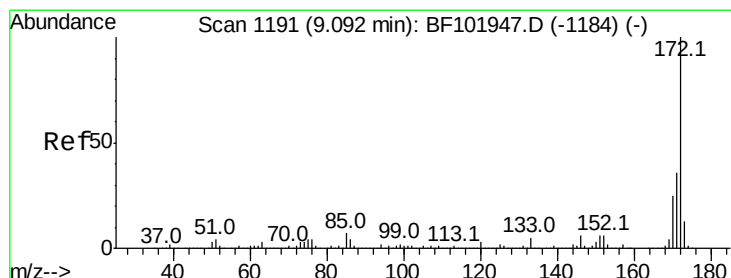
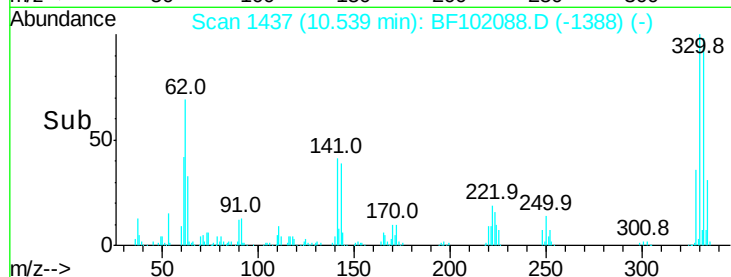
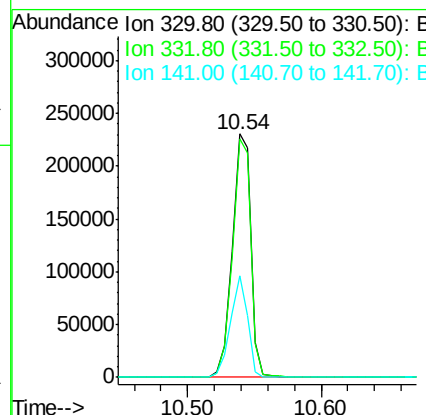
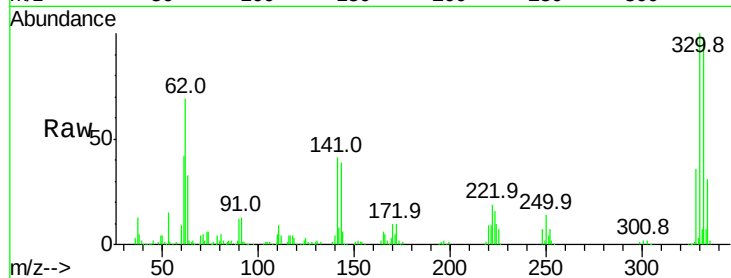




#41
 2,4,6-Tribromophenol
 Concen: 114.594 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102088.D
 Acq: 16 Jan 2018 2:40

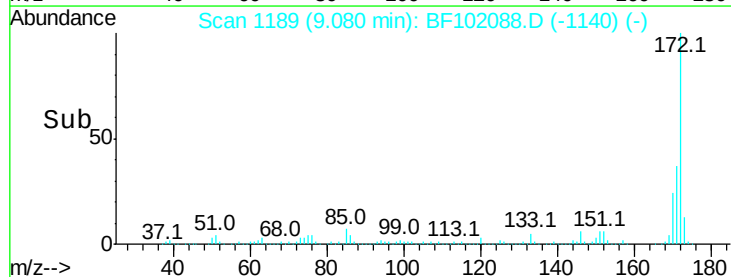
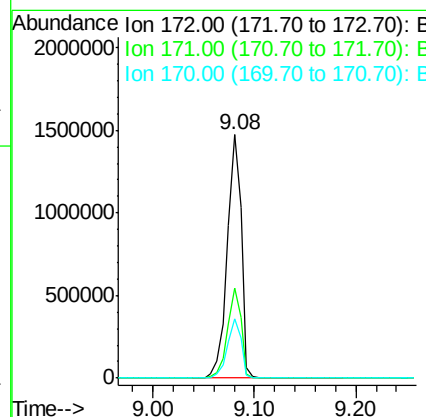
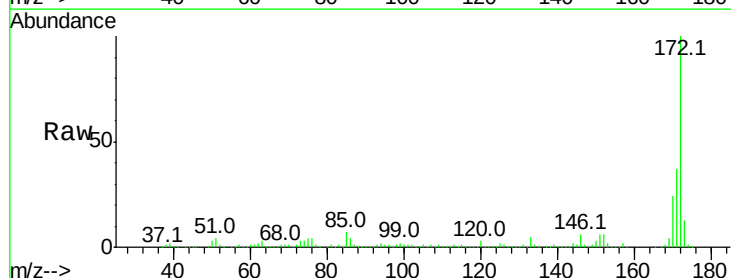
Instrument :
 BNA_F
 ClientSampleId :

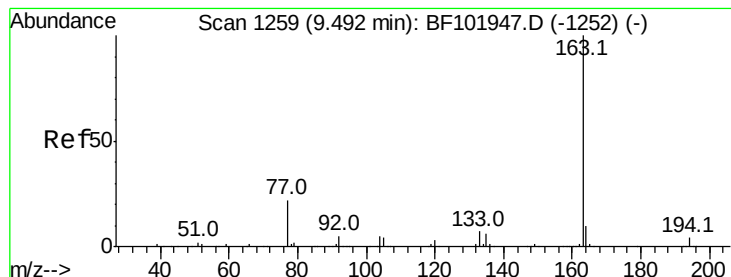
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	38.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 96.892 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102088.D
 Acq: 16 Jan 2018 2:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 7.802 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Instrument :

BNA_F

ClientSampleId :

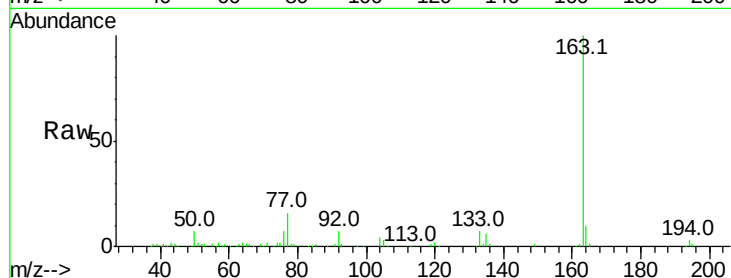
Tot Ion:163 Resp: 142063

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

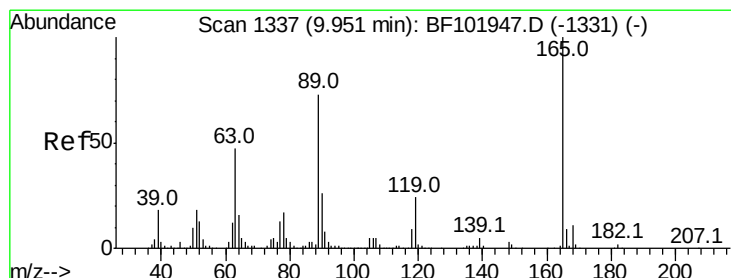
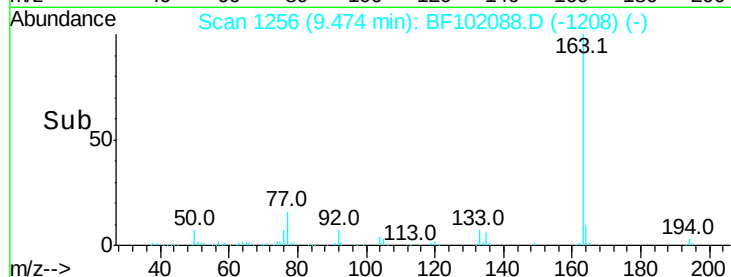
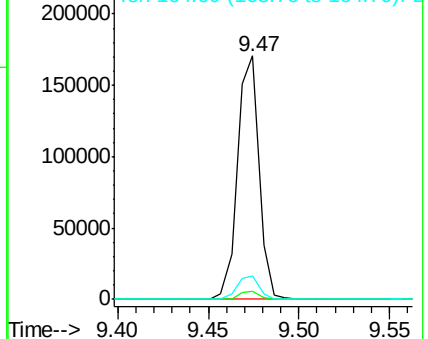
164 9.5 8.2 12.2



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: 6.252 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Tgt Ion:165 Resp: 28500

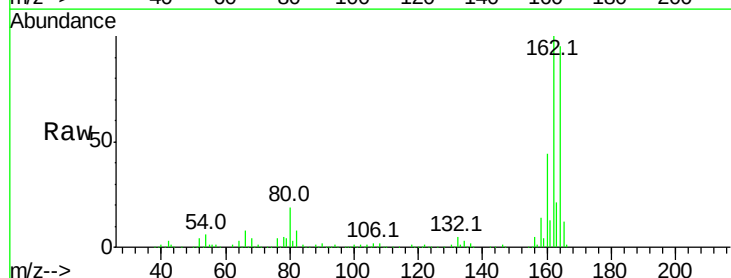
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 2.1 57.8 86.6#

182 0.0 1.6 2.4#

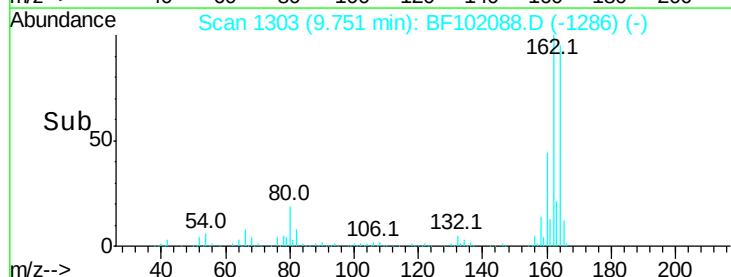
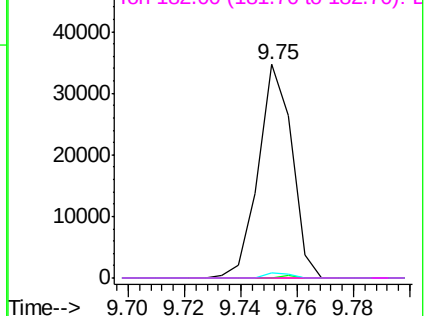


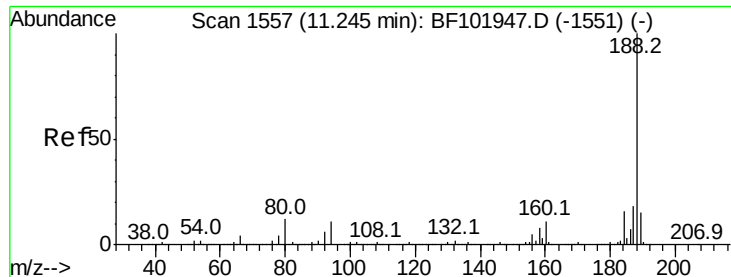
Abundance Ion 165.00 (164.70 to 165.70): E

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

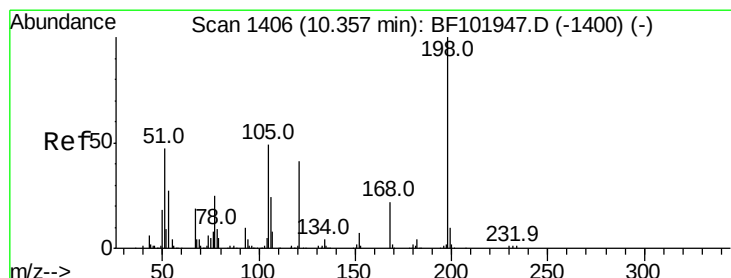
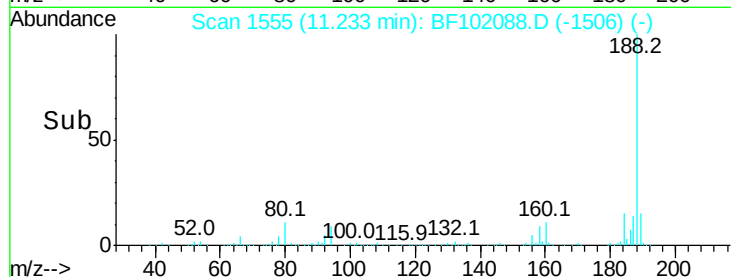
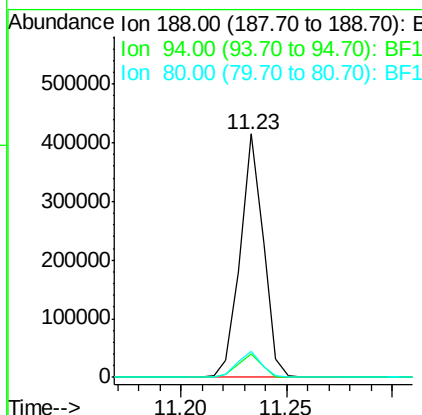
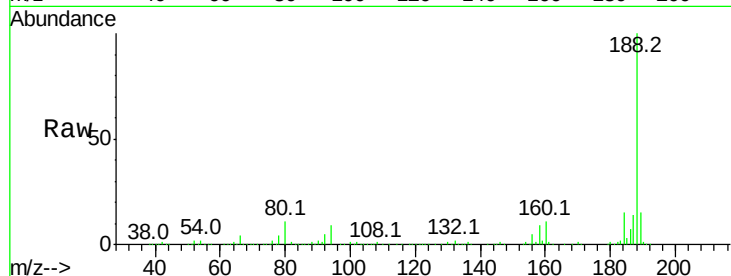




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102088.D
 Acq: 16 Jan 2018 2:40

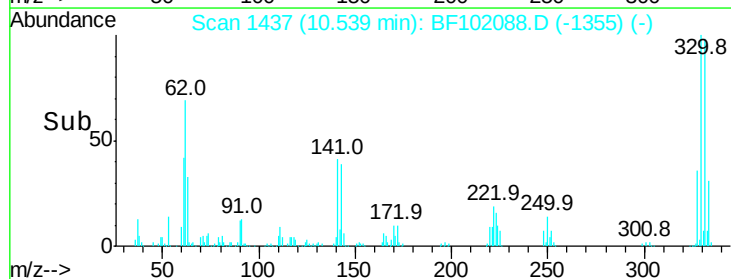
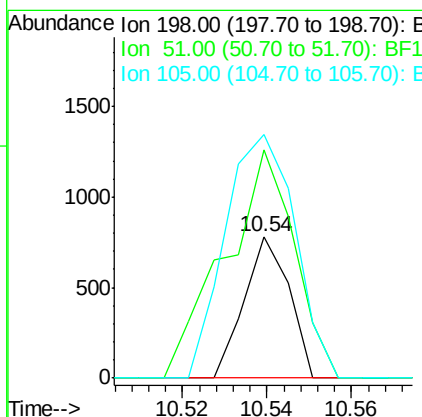
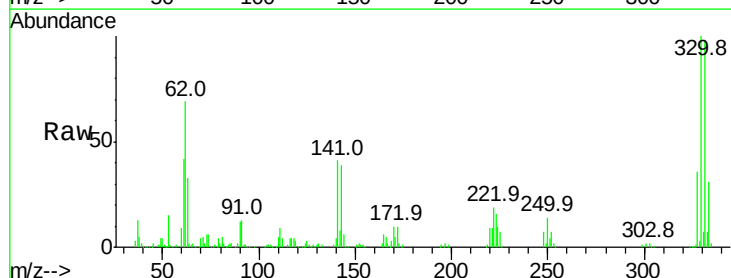
Instrument :
 BNA_F
 ClientSampled :

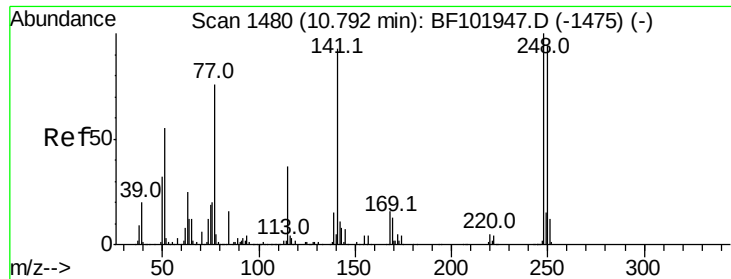
Tot Ion:188 Resp: 313125
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 10.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.961 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102088.D
 Acq: 16 Jan 2018 2:40

Tgt Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 161.4 37.7 77.7#
 105 171.9 36.3 76.3#

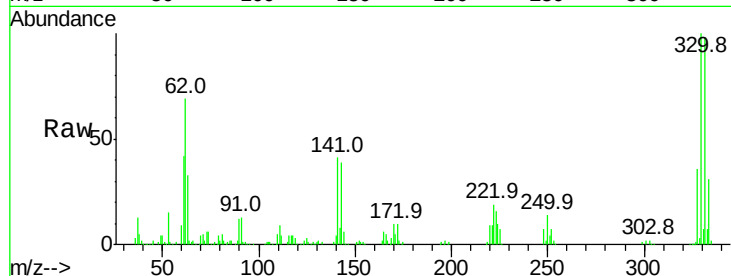




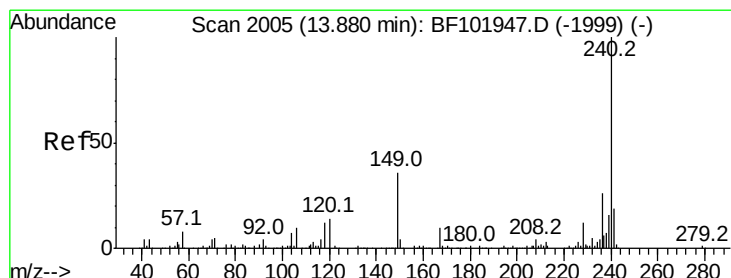
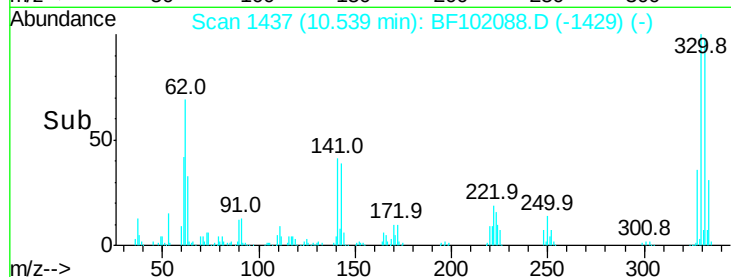
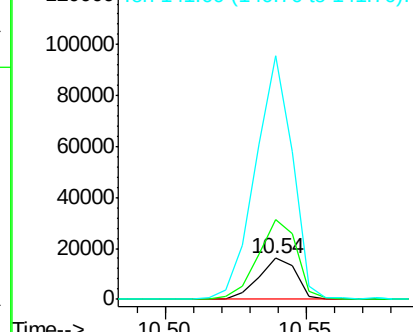
#66
4-Bromophenyl-phenylether
Concen: 4.580 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15145
Ion Ratio Lower Upper
248 100
250 192.3 76.9 115.3#
141 589.2 74.4 111.6#

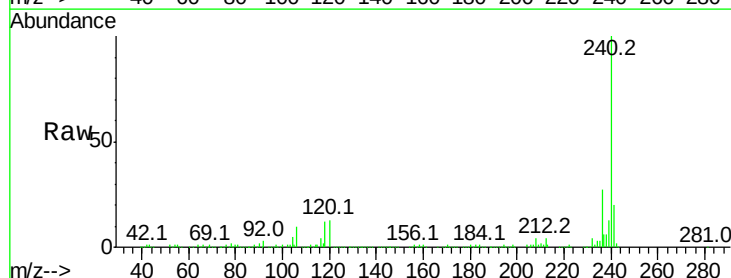


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

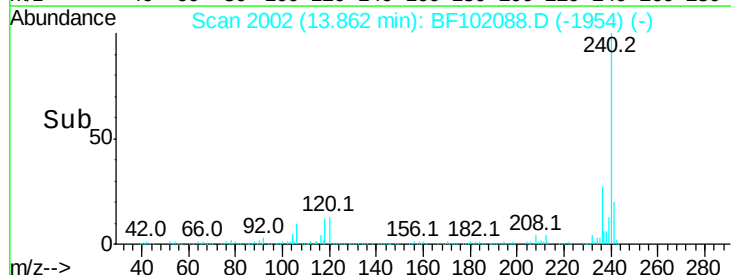
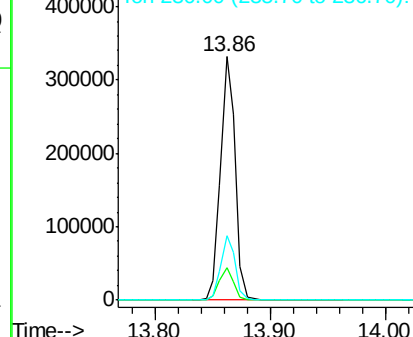


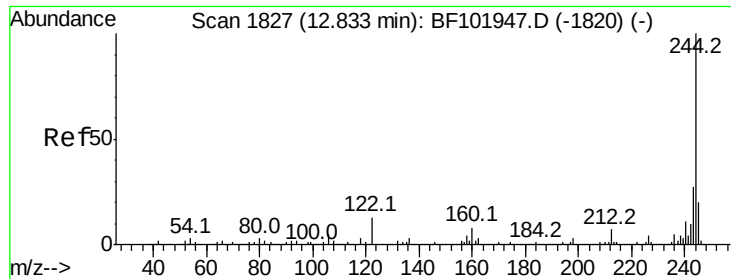
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF102088.D
Acq: 16 Jan 2018 2:40

Tgt Ion:240 Resp: 292841
Ion Ratio Lower Upper
240 100
120 13.5 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: 64.264 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

Instrument :

BNA_F

ClientSampleId :

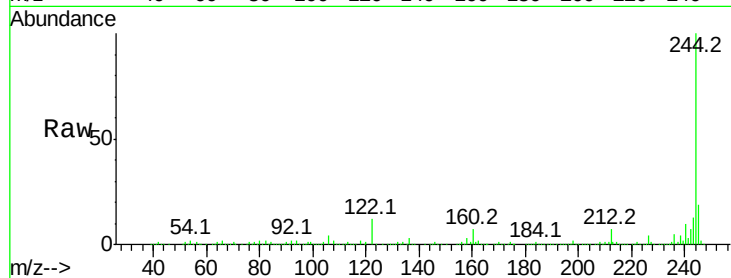
Tot Ion:244 Resp: 906395

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

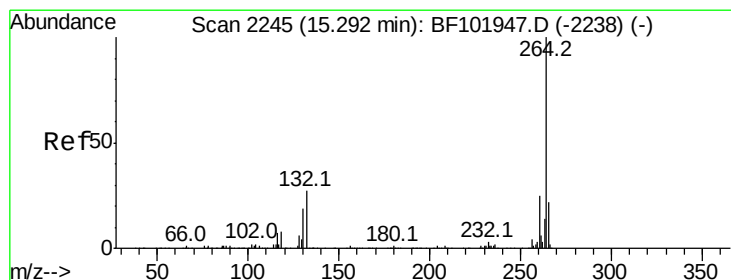
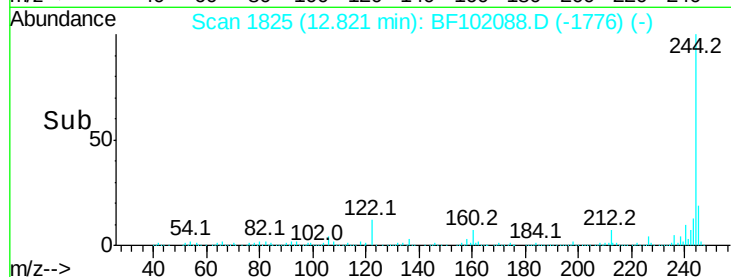
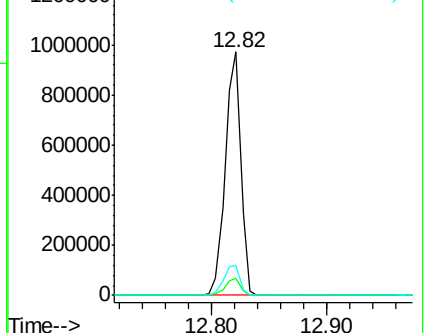
122 12.3 11.0 16.4



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: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102088.D

Acq: 16 Jan 2018 2:40

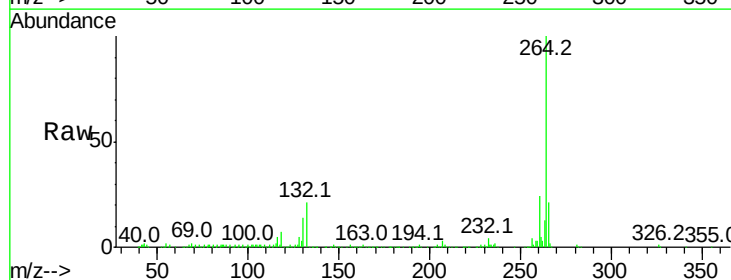
Tgt Ion:264 Resp: 251095

Ion Ratio Lower Upper

264 100

260 23.8 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

