

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102087.D
 Acq On : 16 Jan 2018 2:13
 Operator : SJ/JU
 Sample : J1114-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 03:56:23 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

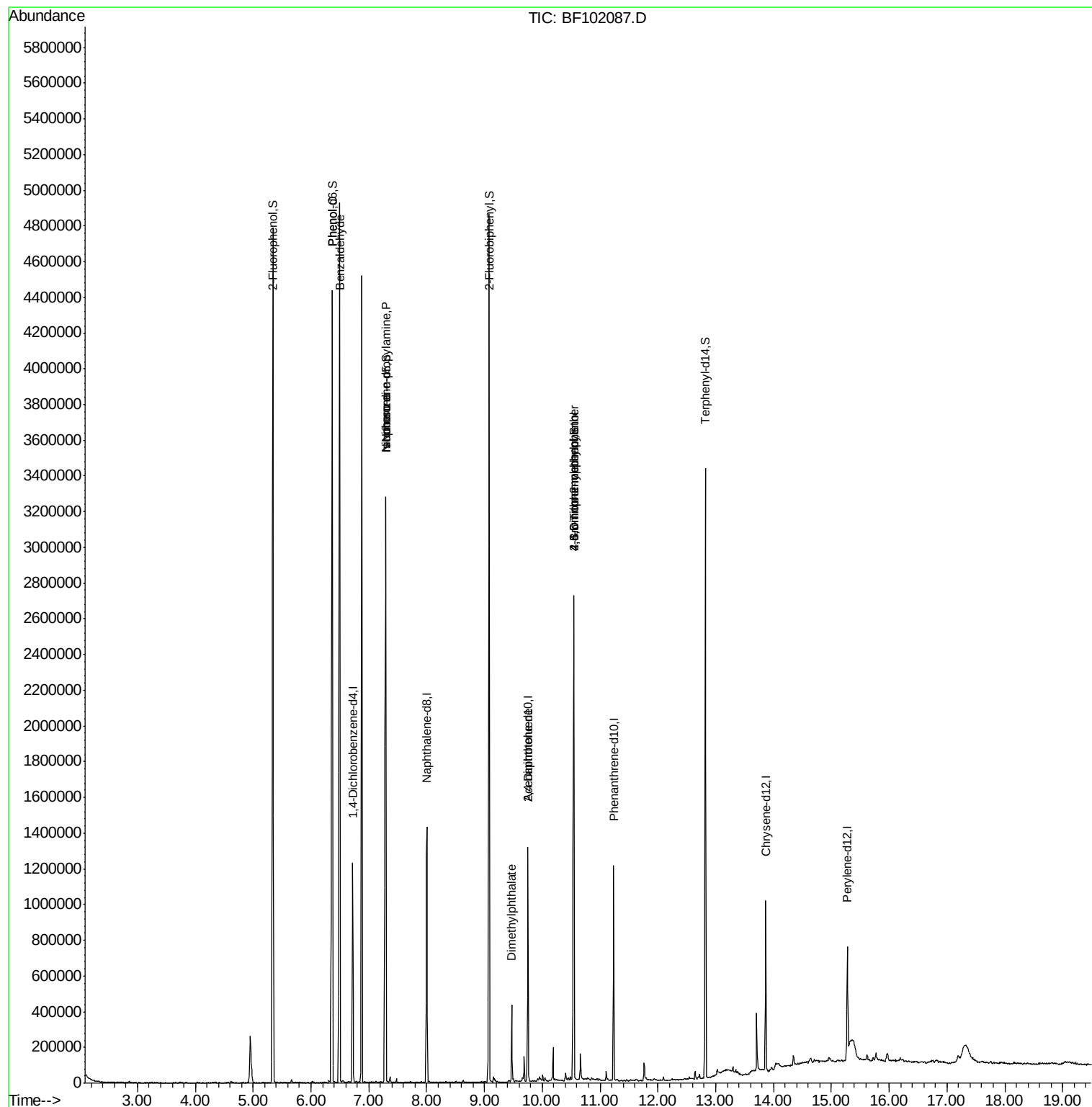
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168060	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	656579	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	256371	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	370569	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	289919	20.00	ng	-0.02
86) Perylene-d12	15.28	264	257861	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1628077	136.80	ng	0.02
7) Phenol-d6	6.37	99	1890066	133.11	ng	0.00
23) Nitrobenzene-d5	7.29	82	1221899	109.36	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	333599	149.11	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1783010	108.65	ng	-0.01
78) Terphenyl-d14	12.82	244	1133470	81.17	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.50	77	35517	3.602	ng	84
10) Phenol	6.37	94	44181	2.753	ng	# 75
19) n-Nitroso-di-n-propylamine	7.29	70	165345	17.768	ng	# 79
25) Isophorone	7.29	82	1218514	55.193	ng	# 64
49) Dimethylphthalate	9.47	163	152380	7.409	ng	99
56) 2,4-Dinitrotoluene	9.75	165	33476	6.501	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	647	5.946	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	21896	5.595	ng	# 1

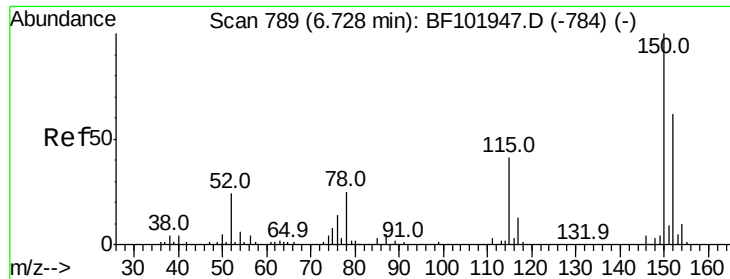
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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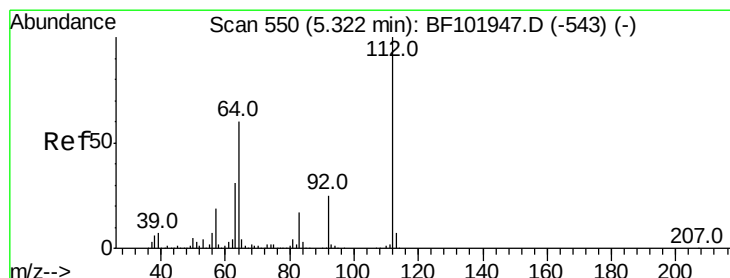
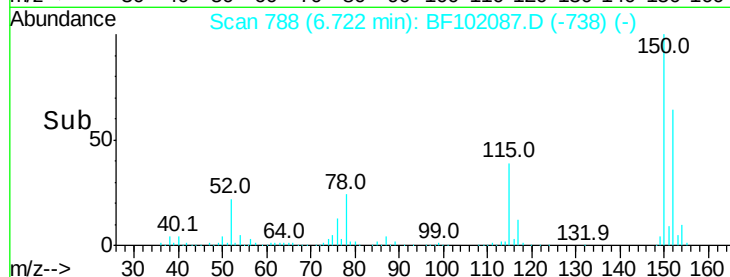
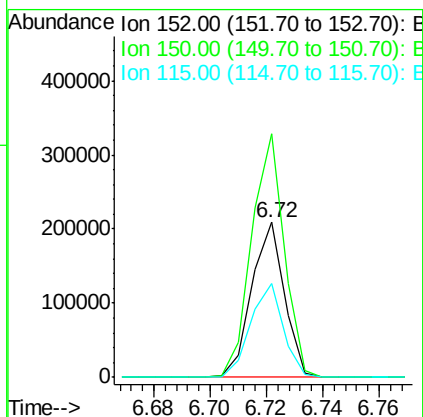
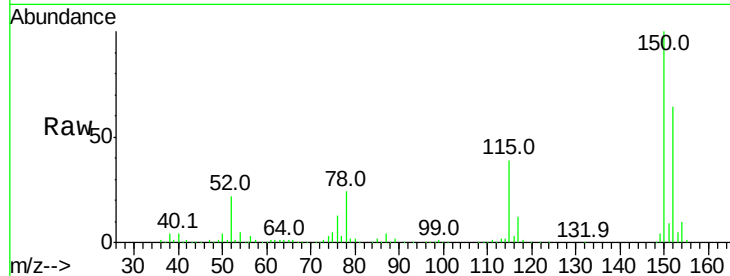


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Instrument :
BNA_F
ClientSampled :

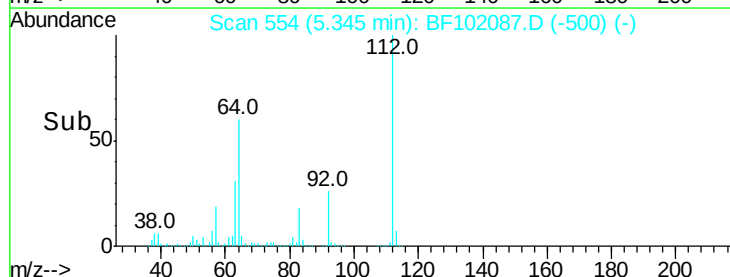
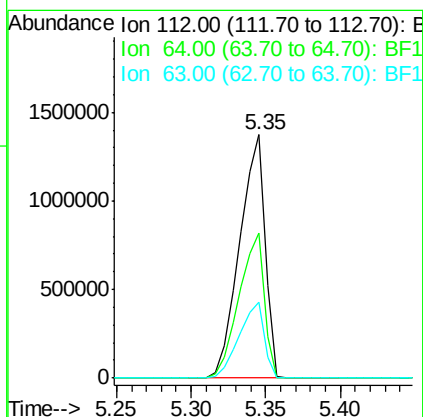
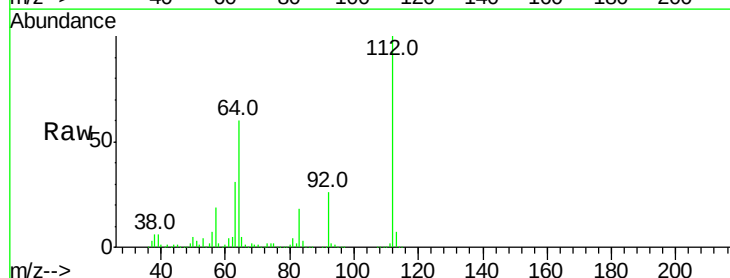
Tot Ion:152 Resp: 168060
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 60.5 50.1 75.1

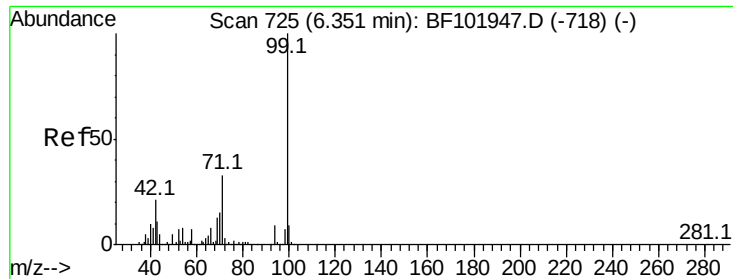


#5

2-Fluorophenol
Concen: 136.795 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Tgt Ion:112 Resp: 1628077
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 31.1 23.7 35.5





#7

Phenol-d6

Concen: 133.105 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Instrument :

BNA_F

ClientSampleId :

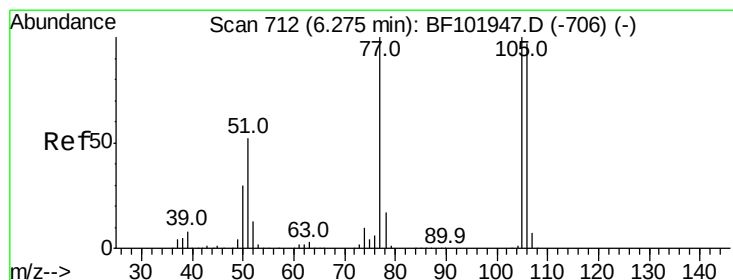
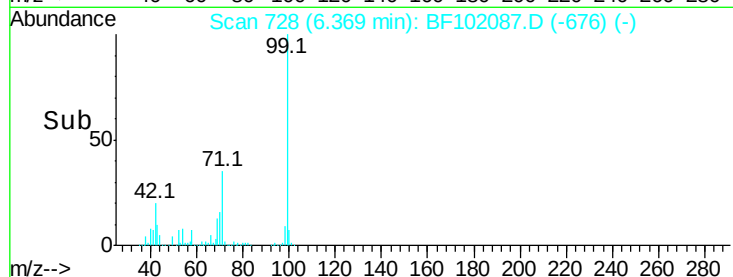
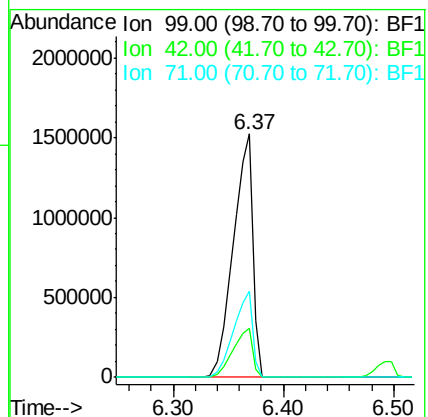
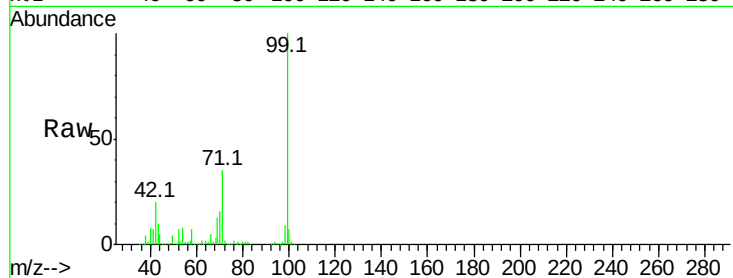
Tot Ion: 99 Resp: 1890066

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 35.4 25.4 38.0



#9

Benzaldehyde

Concen: 3.602 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

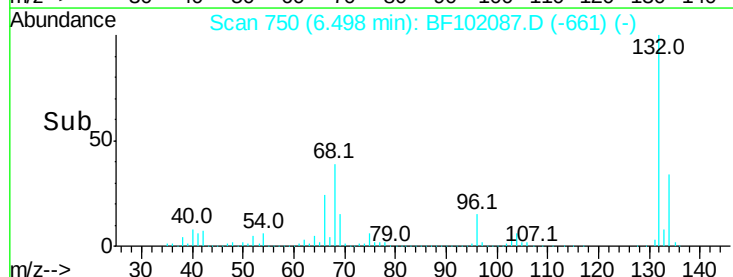
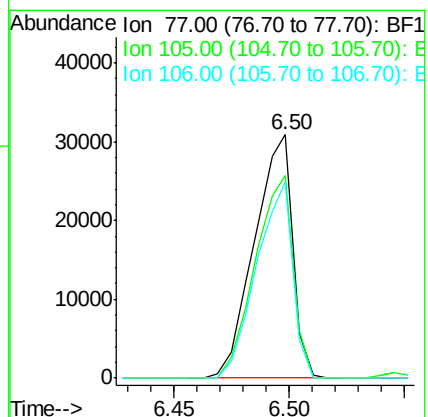
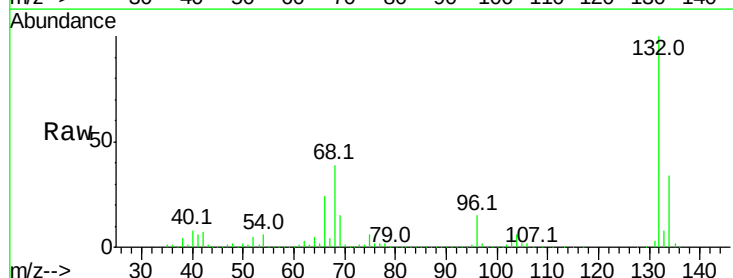
Tgt Ion: 77 Resp: 35517

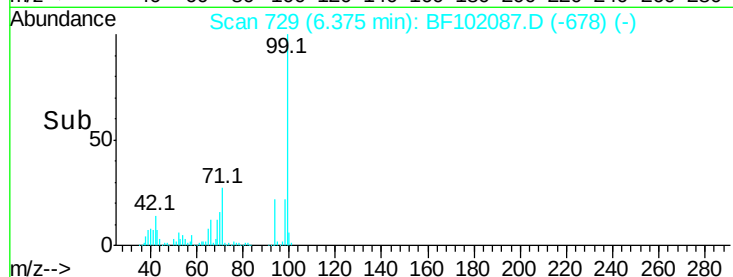
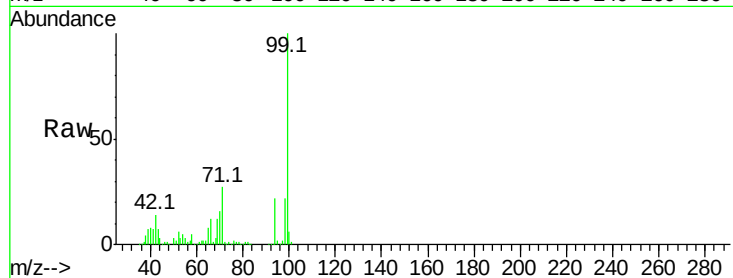
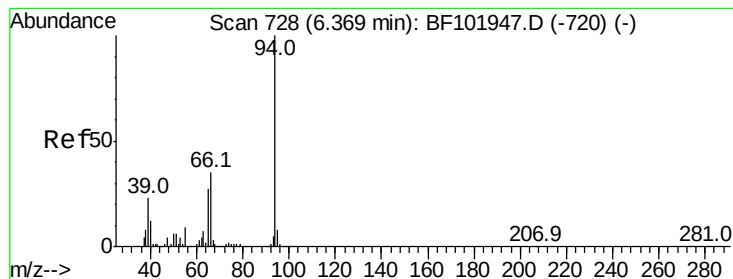
Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

106 80.6 74.5 114.5





#10

Phenol

Concen: 2.753 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Instrument :

BNA_F

ClientSampled :

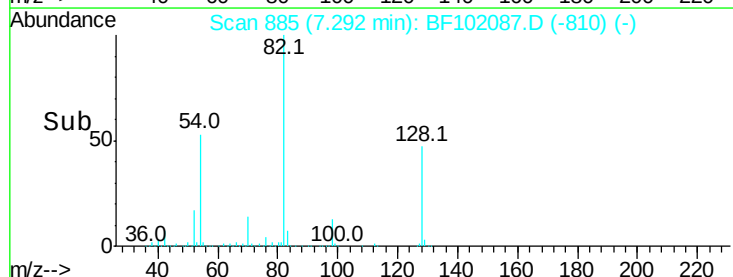
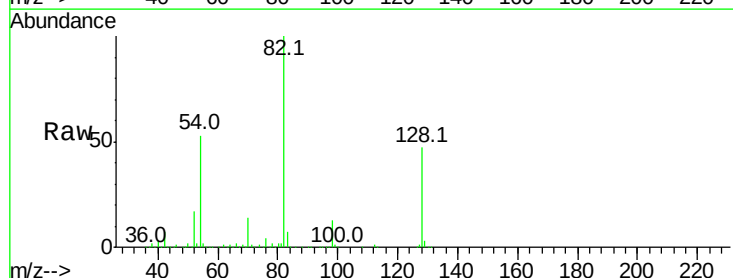
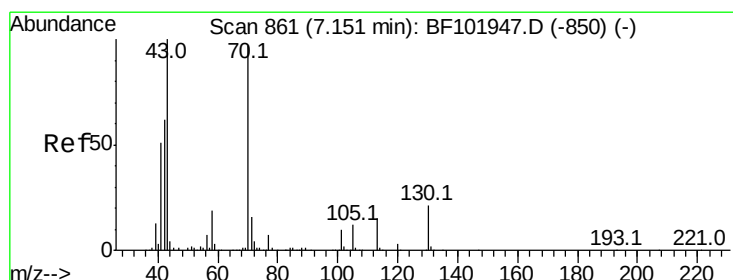
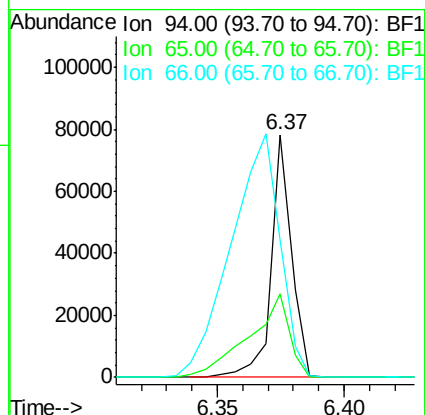
Tot Ion: 94 Resp: 44181

Ion Ratio Lower Upper

94 100

65 34.3 7.9 47.9

66 56.6 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 17.768 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Tgt Ion: 70 Resp: 165345

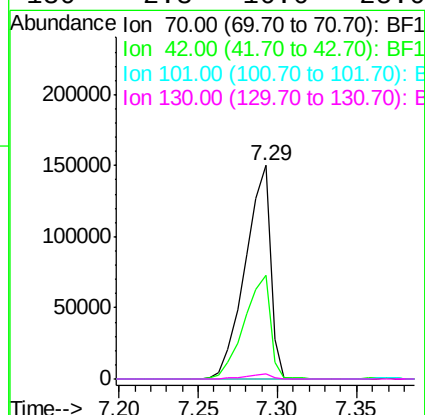
Ion Ratio Lower Upper

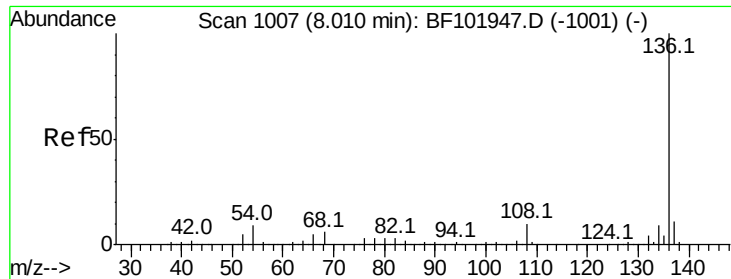
70 100

42 48.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

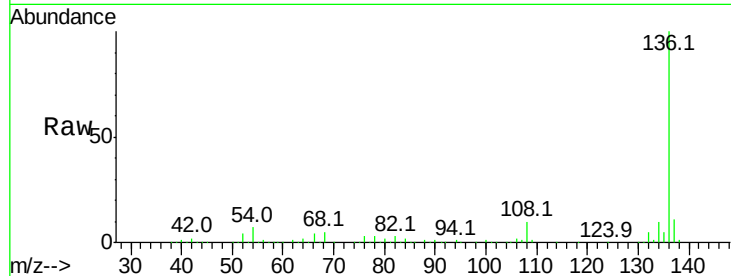




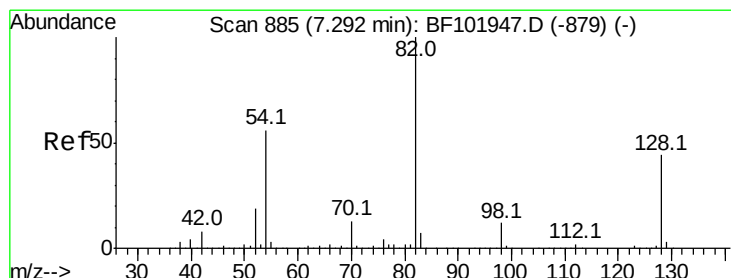
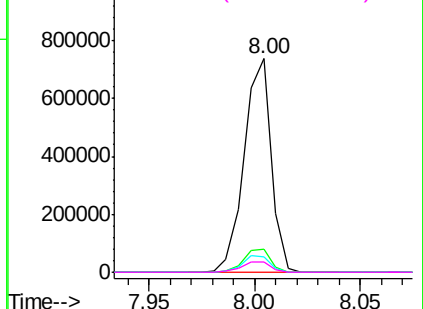
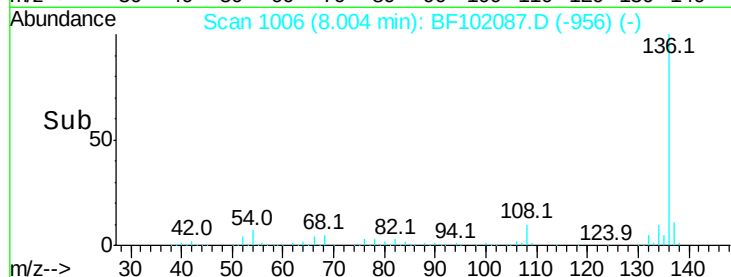
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	656579
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.0	5.0	7.4

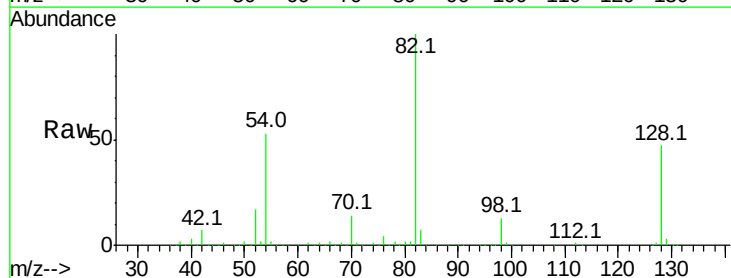


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

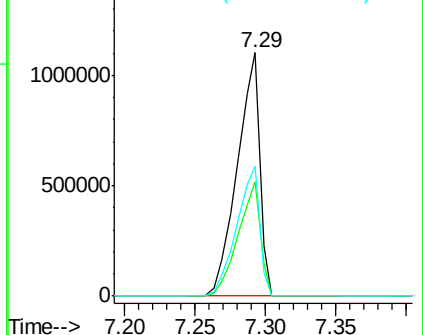
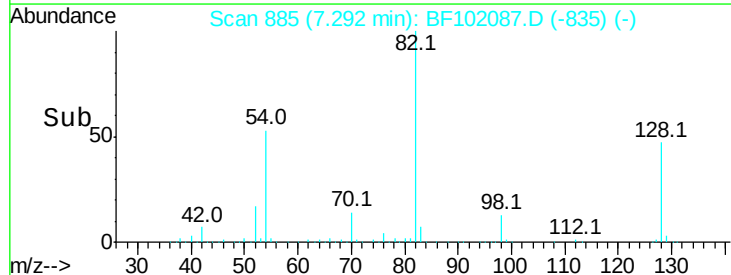


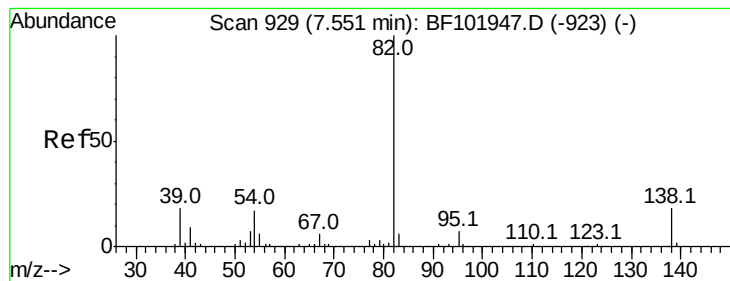
#23
Nitrobenzene-d5
Concen: 109.360 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Tgt Ion:	82	Resp:	1221899
Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	53.1	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: 55.193 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Instrument :

BNA_F

ClientSampled :

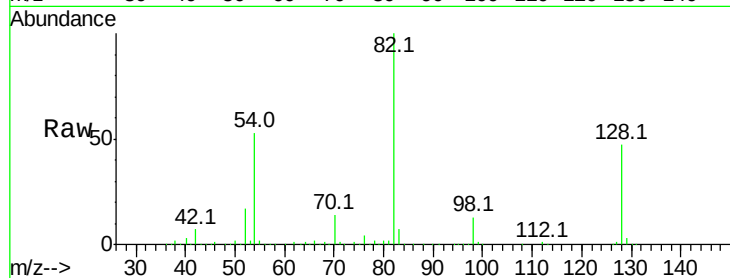
Tot Ion: 82 Resp: 1218514

Ion Ratio Lower Upper

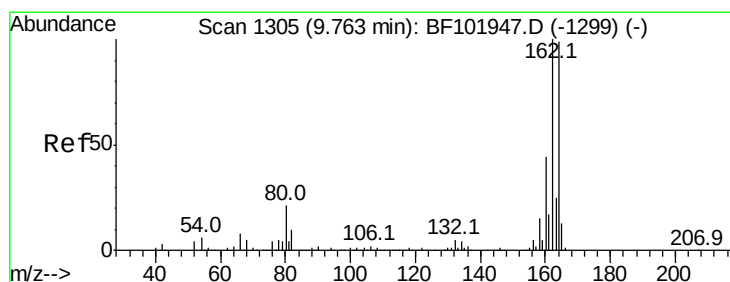
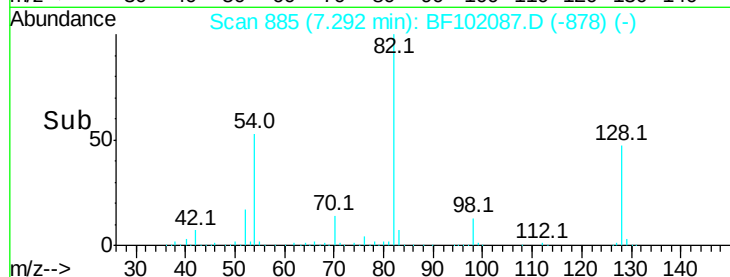
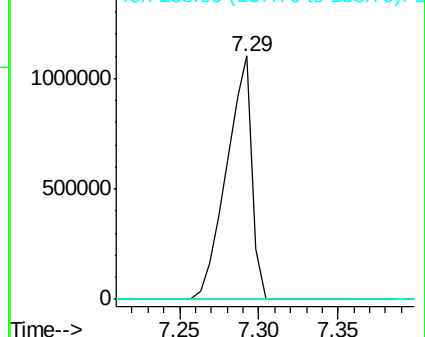
82 100

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: BF102087.D

Acq: 16 Jan 2018 2:13

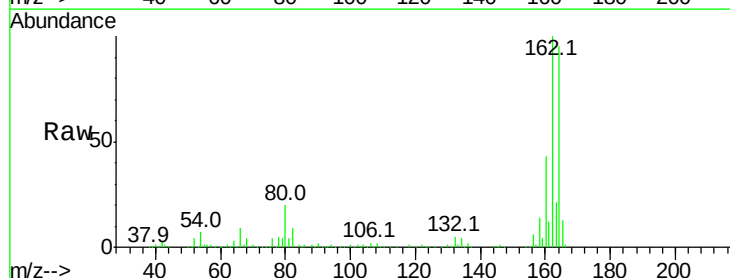
Tgt Ion:164 Resp: 256371

Ion Ratio Lower Upper

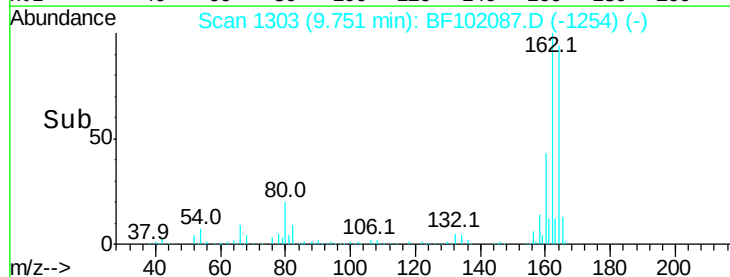
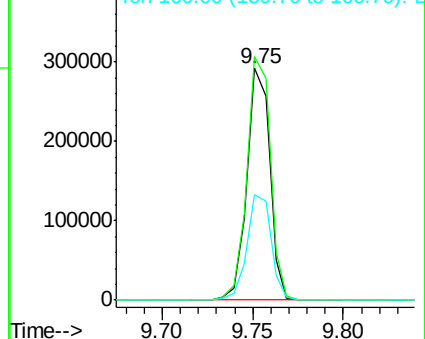
164 100

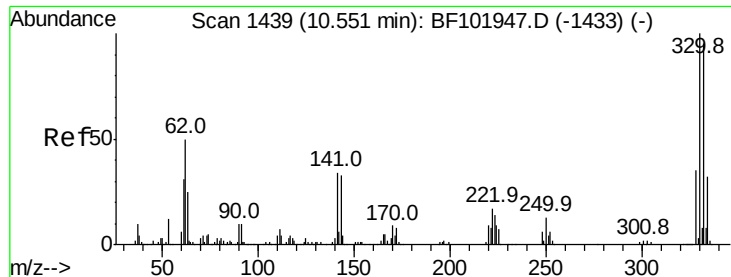
162 105.1 86.1 129.1

160 45.6 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: 149.107 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Instrument :

BNA_F

ClientSampled :

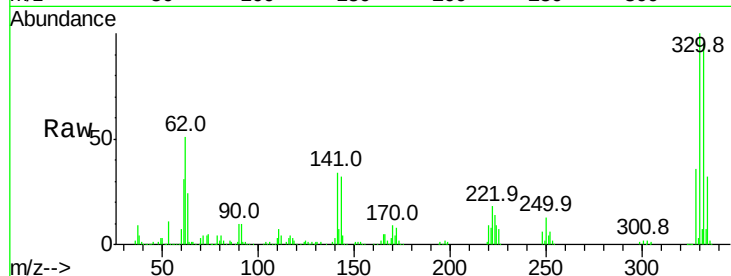
Tot Ion:330 Resp: 333599

Ion Ratio Lower Upper

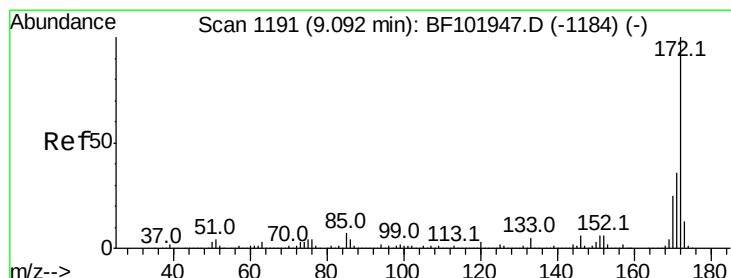
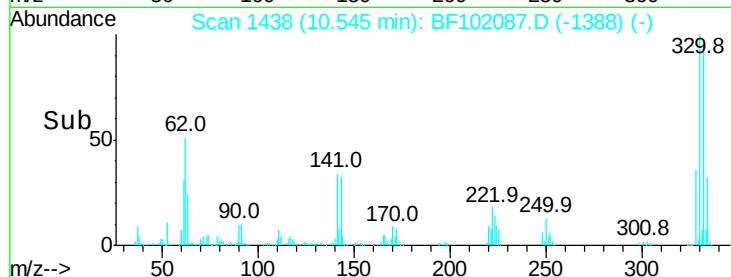
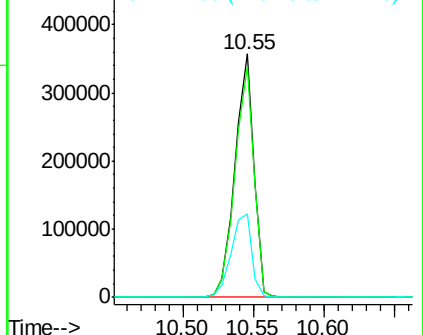
330 100

332 95.9 77.0 115.6

141 37.2 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: 108.653 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

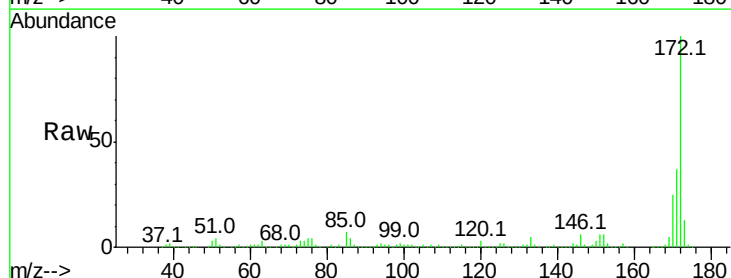
Tgt Ion:172 Resp: 1783010

Ion Ratio Lower Upper

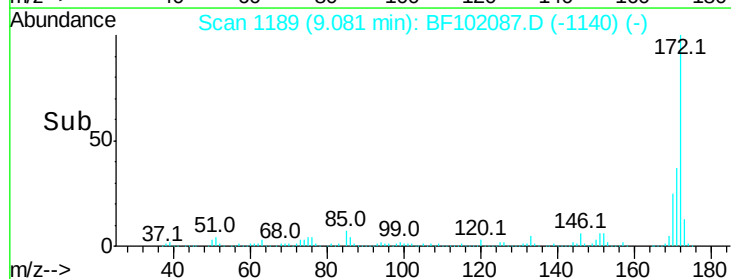
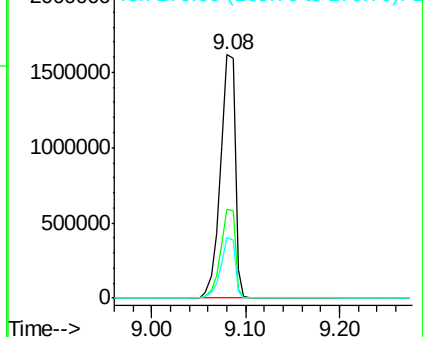
172 100

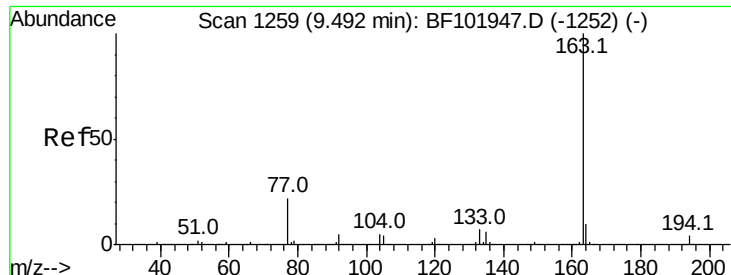
171 36.6 29.7 44.5

170 24.7 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: 7.409 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Instrument :

BNA_F

ClientSampleId :

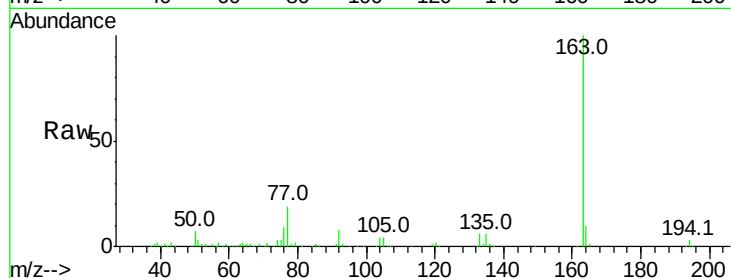
Tot Ion:163 Resp: 152380

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

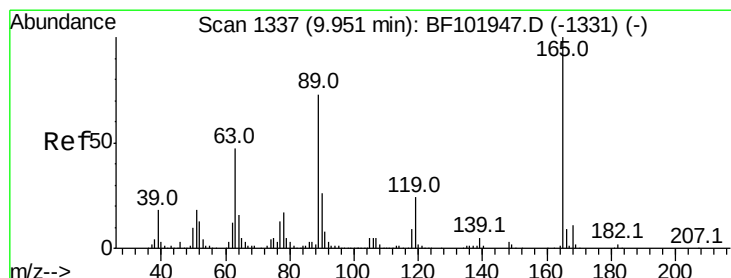
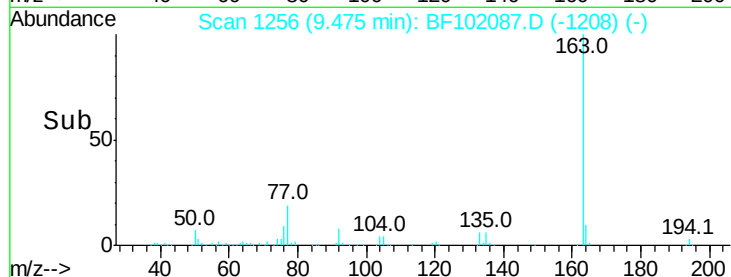
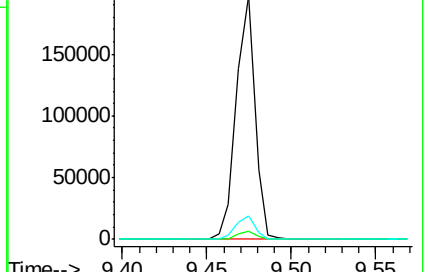
164 9.6 8.2 12.2



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: 6.501 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Tgt Ion:165 Resp: 33476

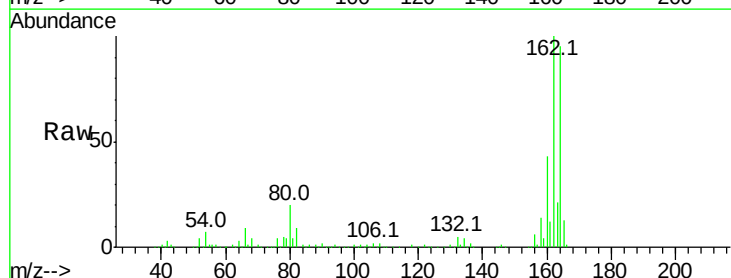
Ion Ratio Lower Upper

165 100

63 0.9 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

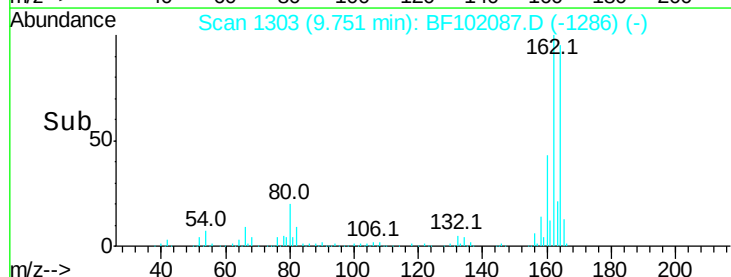
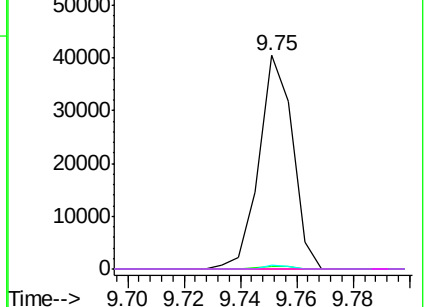


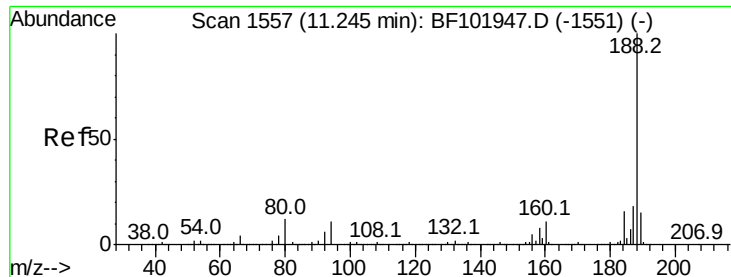
Abundance Ion 165.00 (164.70 to 165.70): E

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

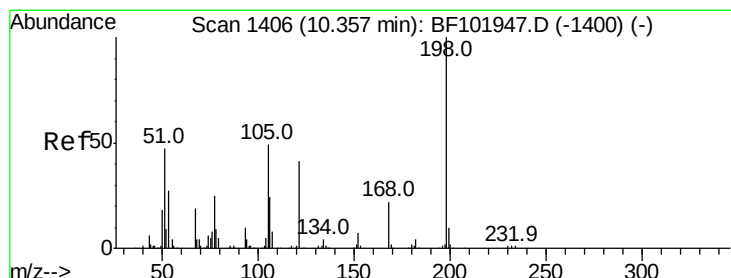
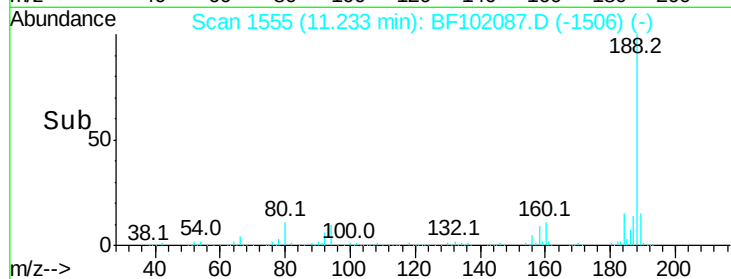
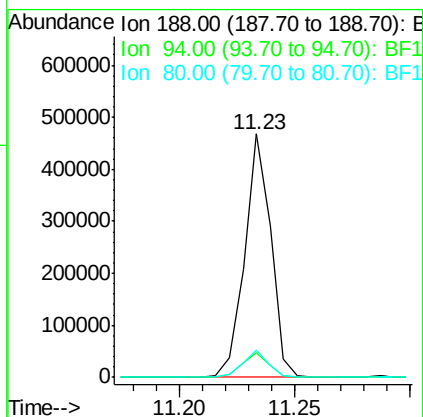
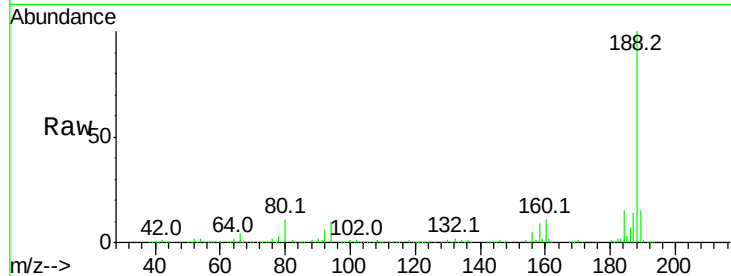




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

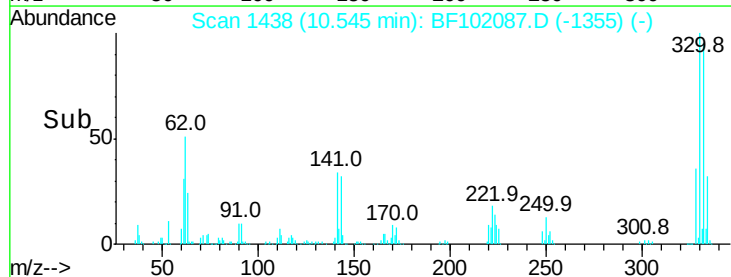
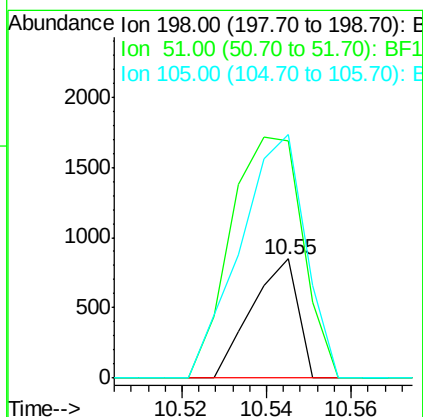
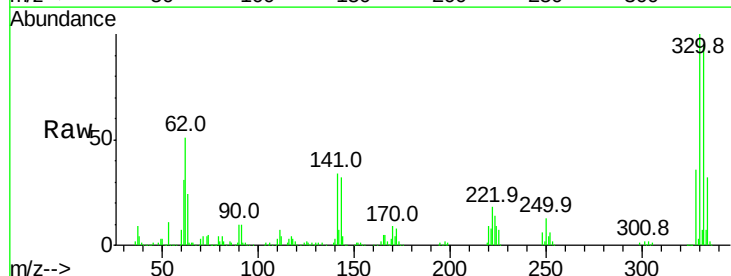
Instrument :
BNA_F
ClientSampleId :

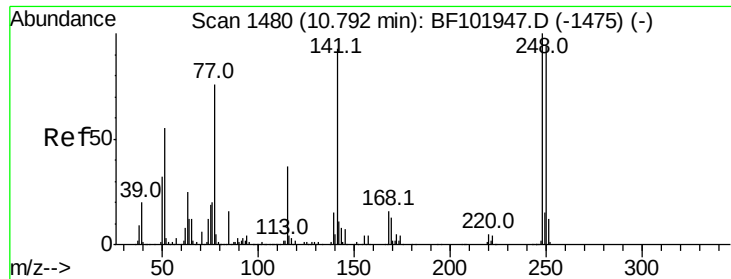
Tot Ion:188 Resp: 370569
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.946 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Tgt Ion:198 Resp: 647
Ion Ratio Lower Upper
198 100
51 199.5 37.7 77.7#
105 204.5 36.3 76.3#

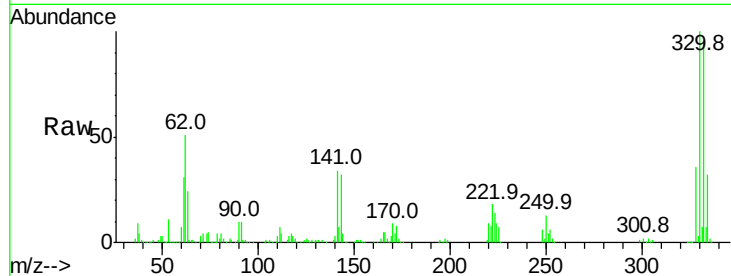




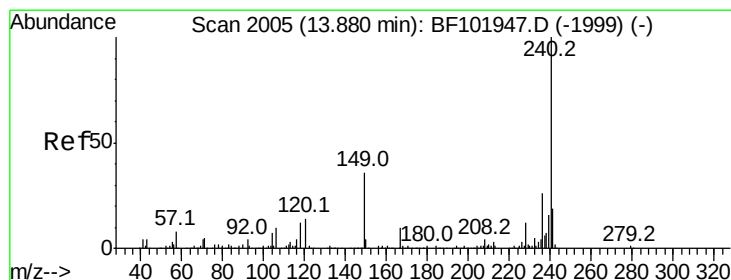
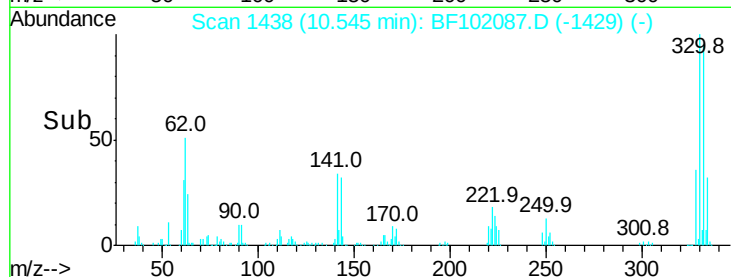
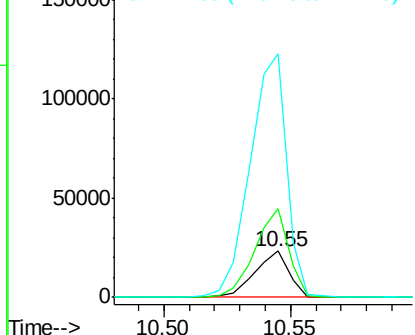
#66
4-Bromophenyl-phenylether
Concen: 5.595 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 21896
Ion Ratio Lower Upper
248 100
250 193.9 76.9 115.3#
141 528.8 74.4 111.6#

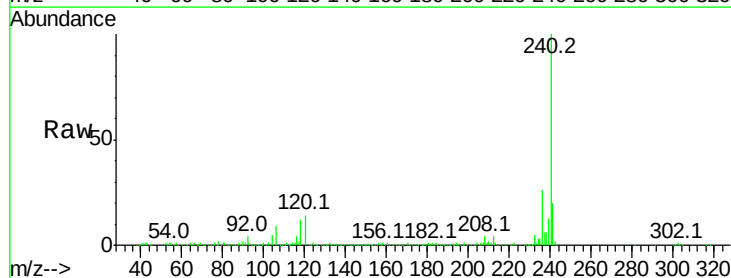


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

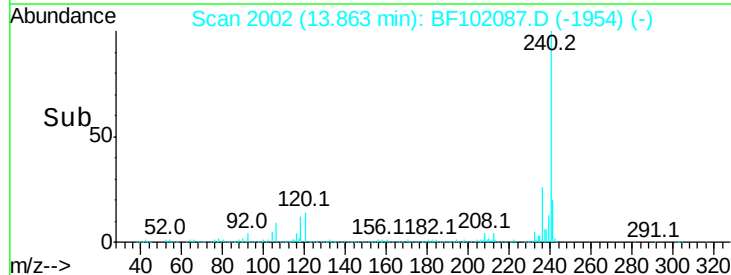
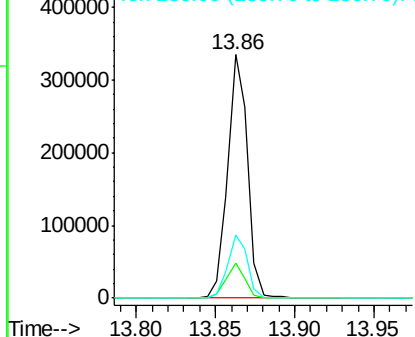


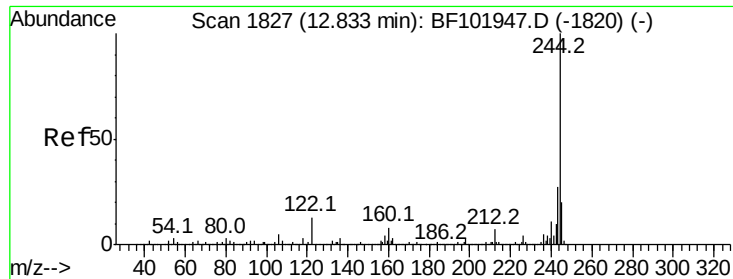
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF102087.D
Acq: 16 Jan 2018 2:13

Tgt Ion:240 Resp: 289919
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3
236 26.1 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: 81.174 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

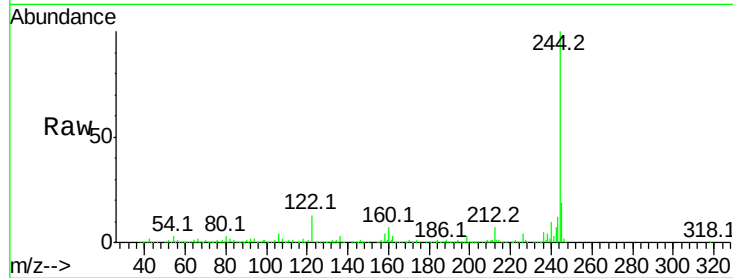
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1133470

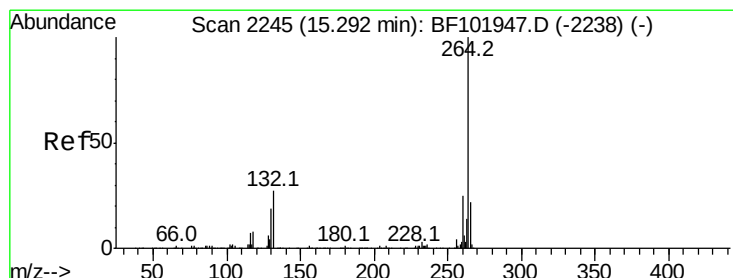
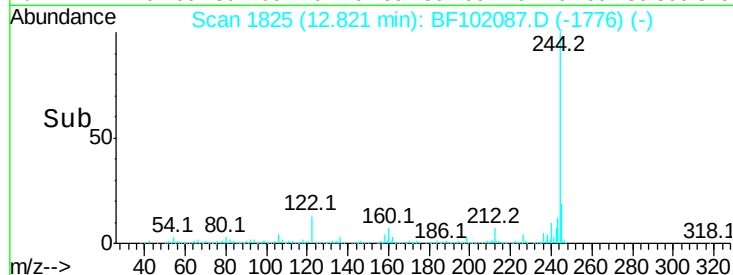
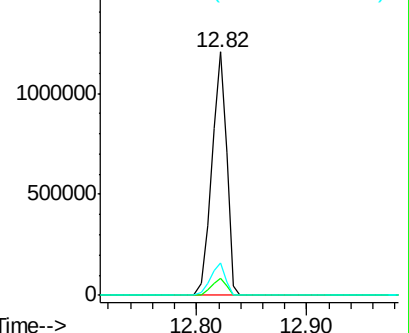
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.1	11.0	16.4



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

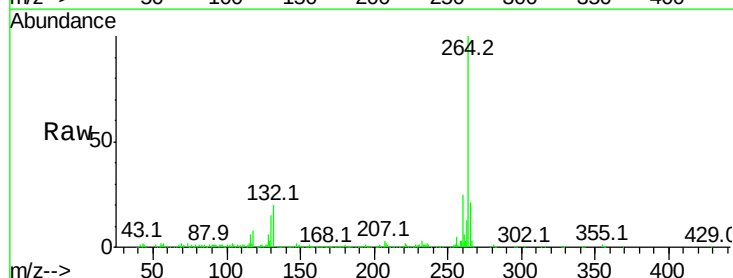
Delta R.T. -0.01 min

Lab File: BF102087.D

Acq: 16 Jan 2018 2:13

Tgt Ion:264 Resp: 257861

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.0	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

