

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102228.D
 Acq On : 19 Jan 2018 20:37
 Operator : SJ/JU
 Sample : J1189-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-2

Quant Time: Jan 19 22:04:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

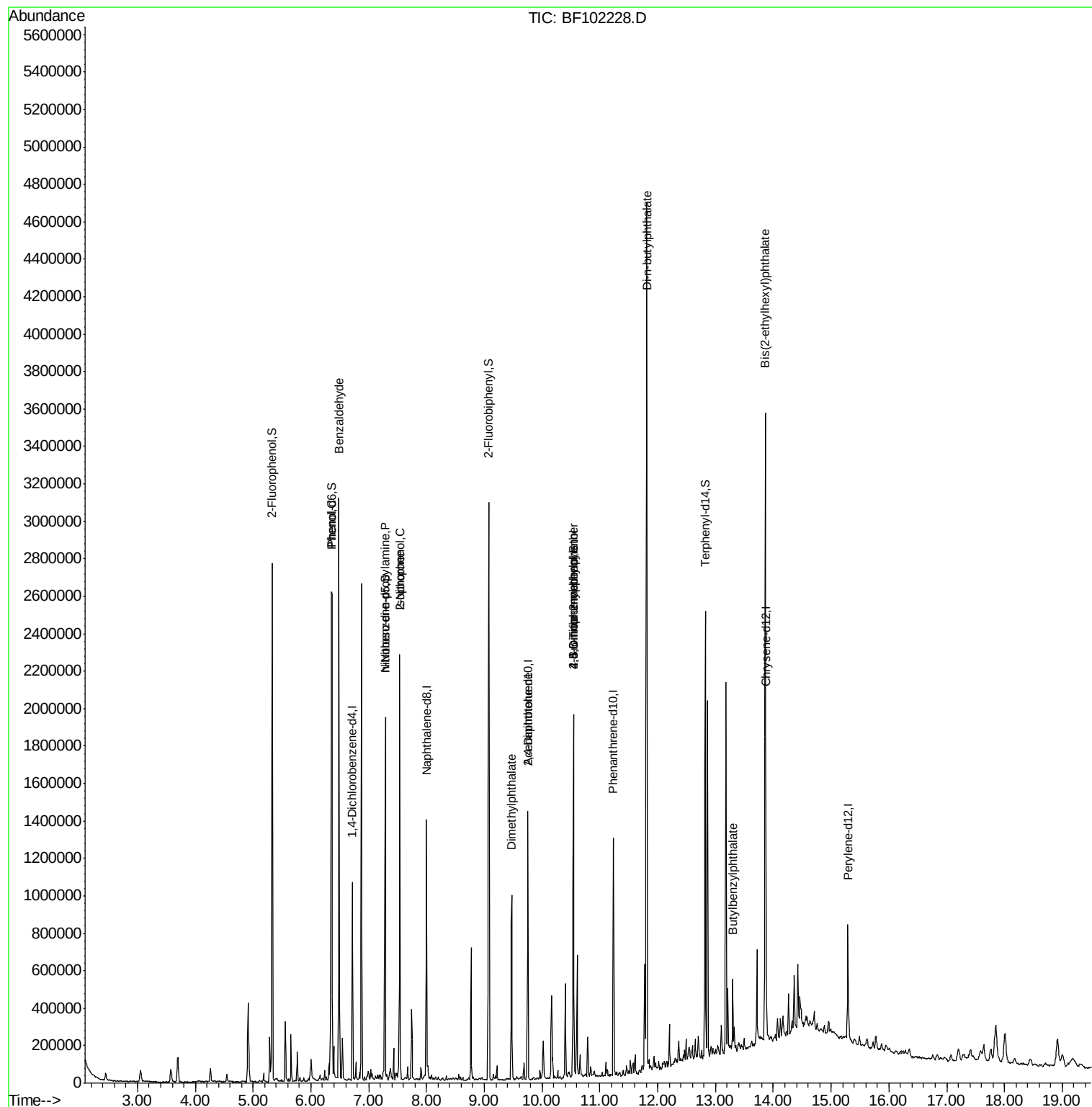
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	144320	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	593520	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	267194	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	452724	20.00	ng	0.00
75) Chrysene-d12	13.87	240	265743	20.00	ng	0.00
86) Perylene-d12	15.29	264	261469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	885892	86.68	ng	0.00
7) Phenol-d6	6.36	99	1064271	87.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	661050	65.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	242922	104.18	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	998039	58.35	ng	-0.01
78) Terphenyl-d14	12.82	244	786278	61.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	18669	2.205	ng	82
10) Phenol	6.37	94	41262	2.994	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	87165	10.908	ng	# 78
25) Isophorone	7.54	82	894212	44.807	ng	99
26) 2-Nitrophenol	7.54	139	17631	3.881	ng	# 65
49) Dimethylphthalate	9.47	163	379814	17.720	ng	100
56) 2,4-Dinitrotoluene	9.75	165	33367	6.218	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.54	198	501	5.842	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	16469	3.445	ng	# 1
73) Di-n-butylphthalate	11.81	149	2952332	91.284	ng	99
79) Butylbenzylphthalate	13.30	149	80088	7.429	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	995452	80.496	ng	100

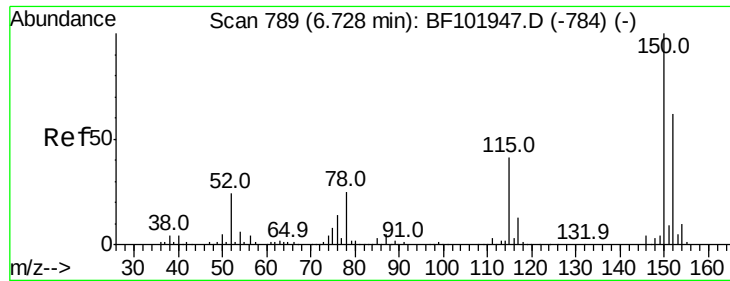
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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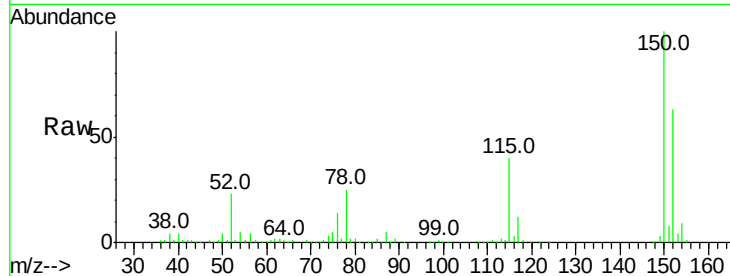


#1

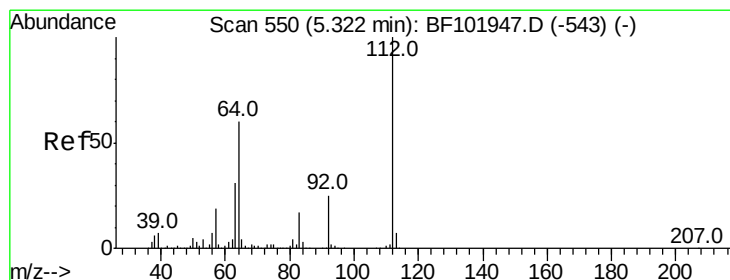
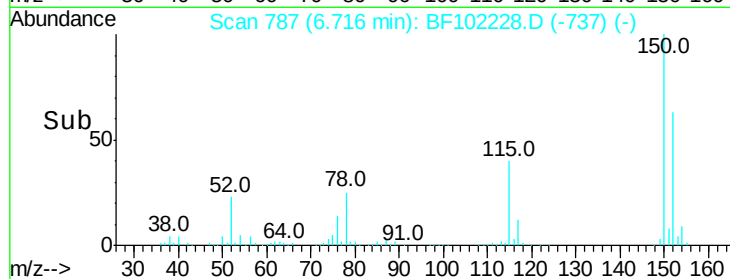
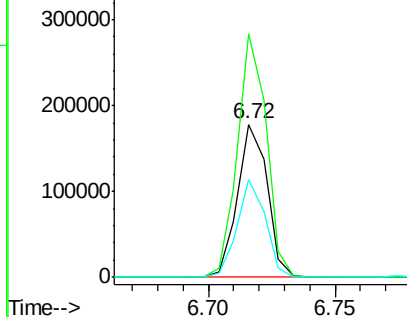
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:152 Resp: 144320
 Ion Ratio Lower Upper
 152 100
 150 159.3 124.6 186.8
 115 63.9 50.1 75.1



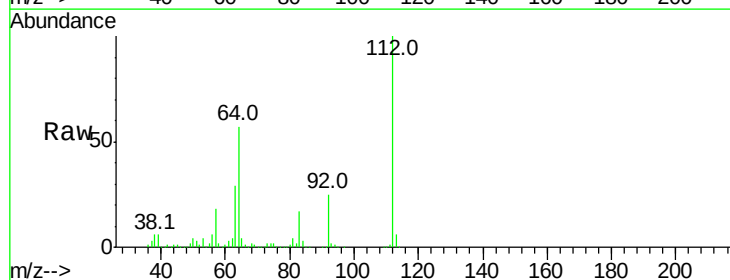
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



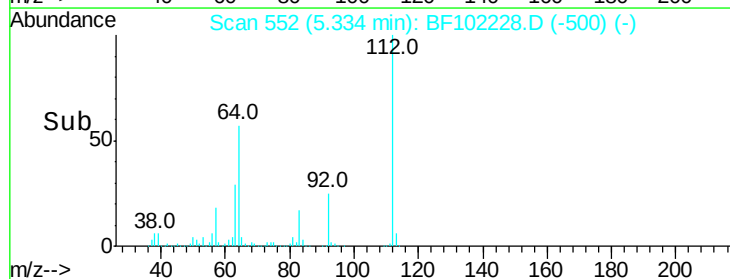
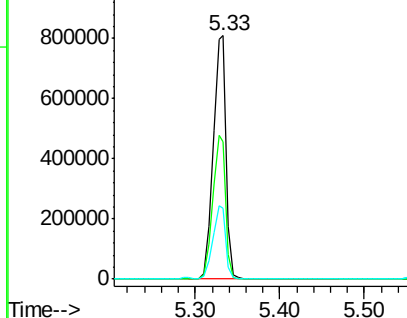
#5

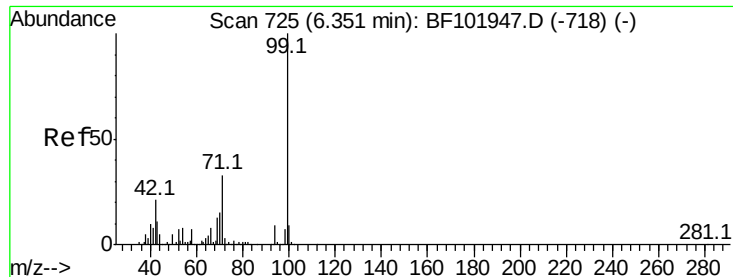
2-Fluorophenol
 Concen: 86.679 ng
 RT: 5.33 min Scan# 552
 Delta R.T. 0.01 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

Tgt Ion:112 Resp: 885892
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 29.1 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: 87.279 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

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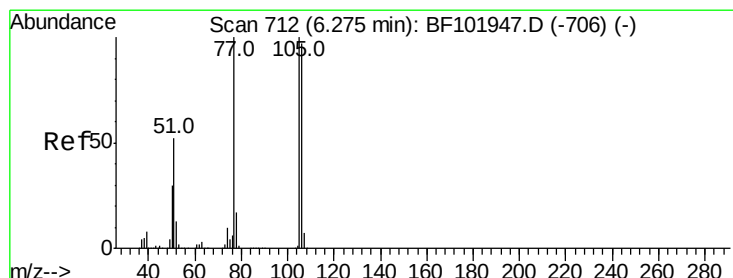
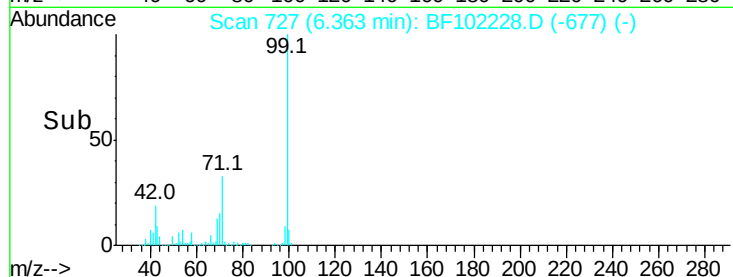
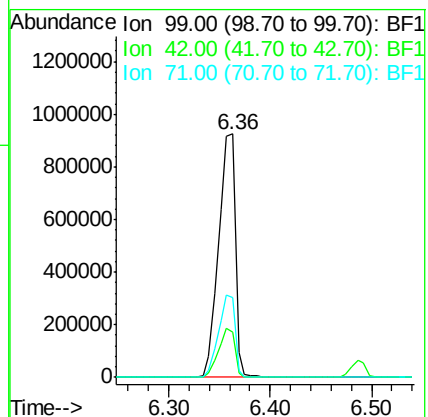
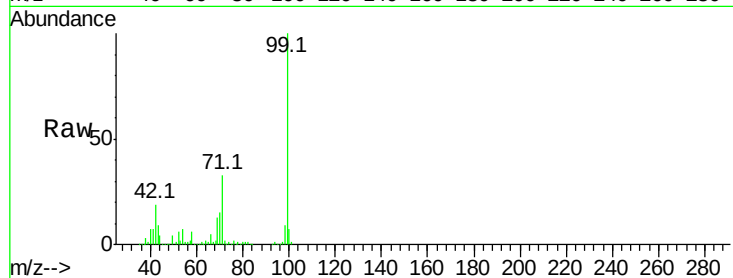
Tot Ion: 99 Resp: 1064271

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 32.5 25.4 38.0



#9

Benzaldehyde

Concen: 2.205 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.21 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

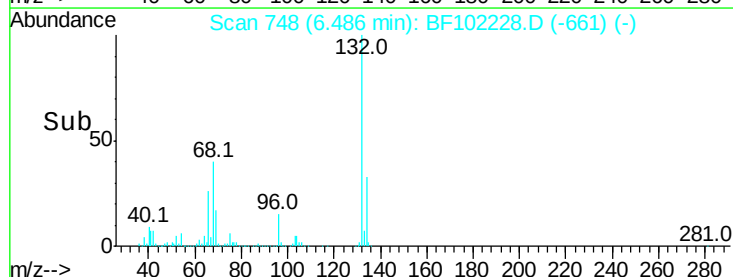
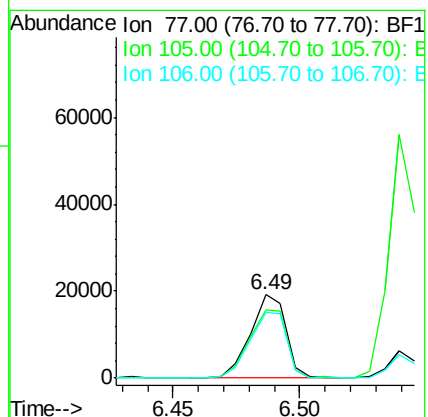
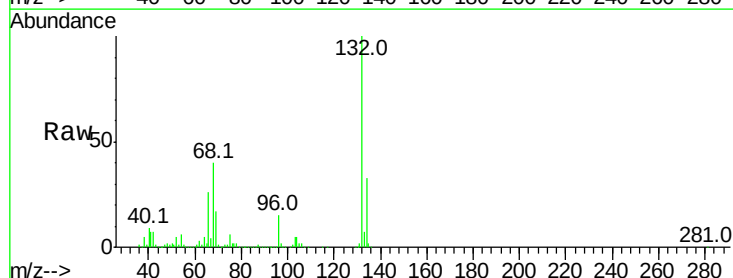
Tgt Ion: 77 Resp: 18669

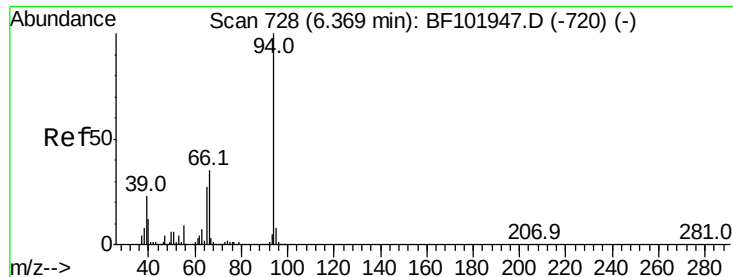
Ion Ratio Lower Upper

77 100

105 81.5 81.1 121.1

106 79.2 74.5 114.5





#10

Phenol

Concen: 2.994 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

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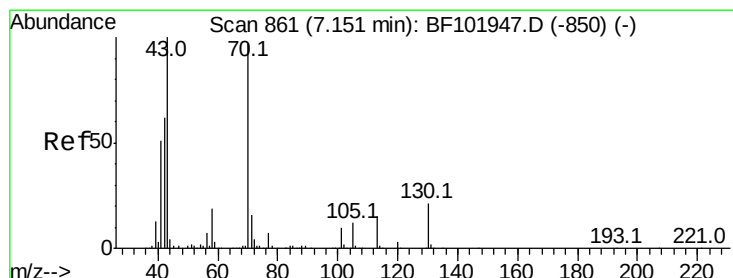
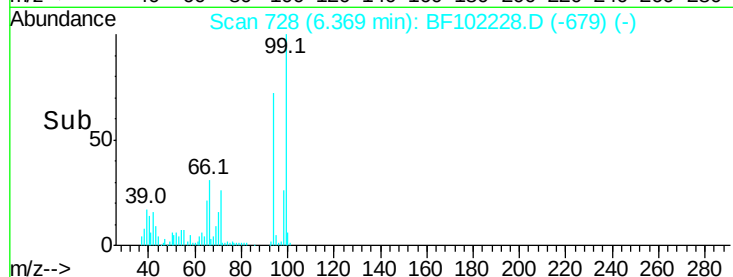
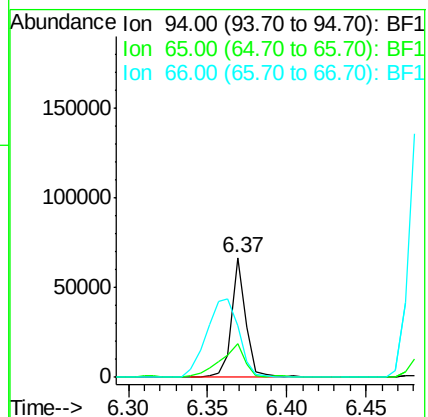
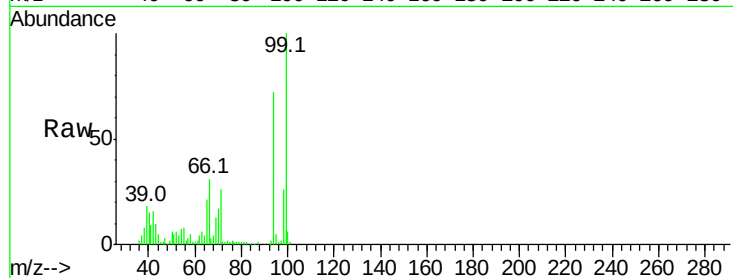
Tot Ion: 94 Resp: 41262

Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

66 43.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.908 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Tgt Ion: 70 Resp: 87165

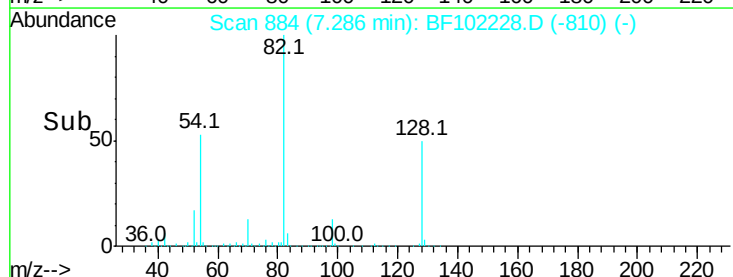
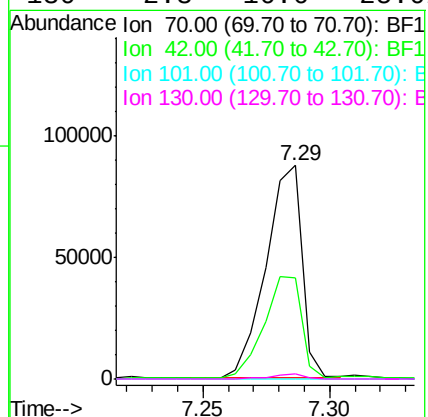
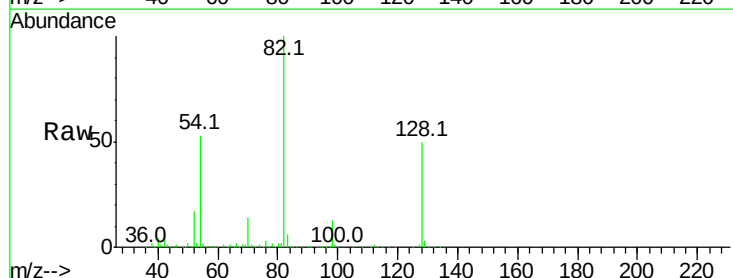
Ion Ratio Lower Upper

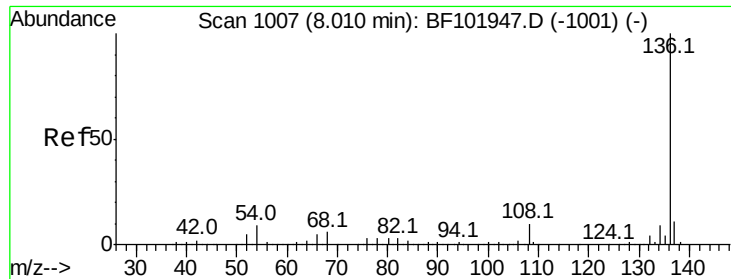
70 100

42 47.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

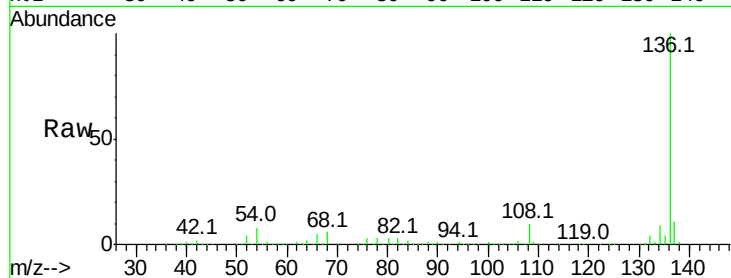




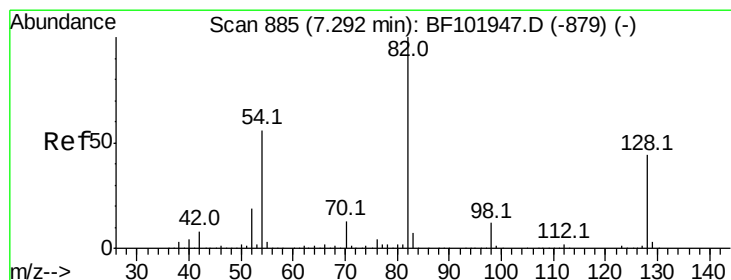
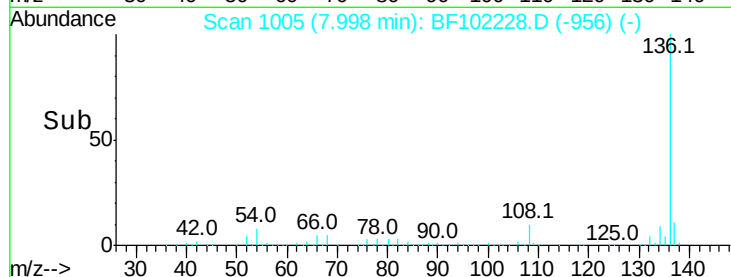
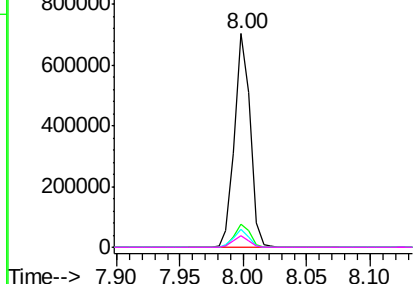
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102228.D
Acq: 19 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
4-2

Tot Ion:136	Resp:	593520
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	8.4	6.6 9.8
68	5.5	5.0 7.4

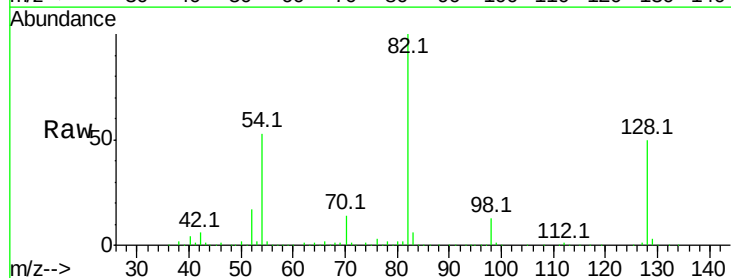


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

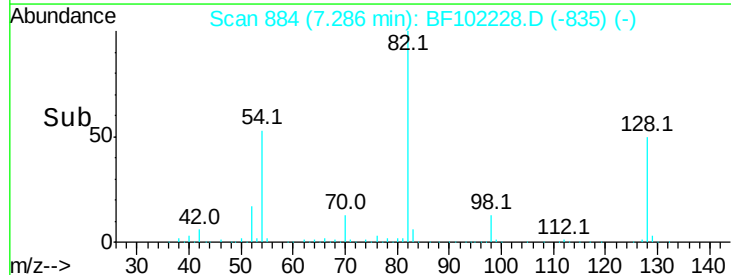
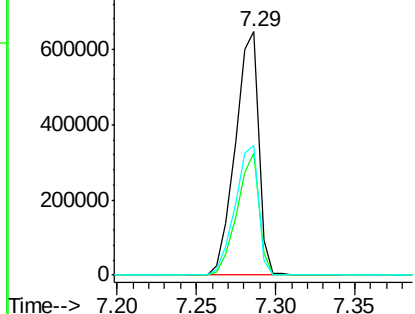


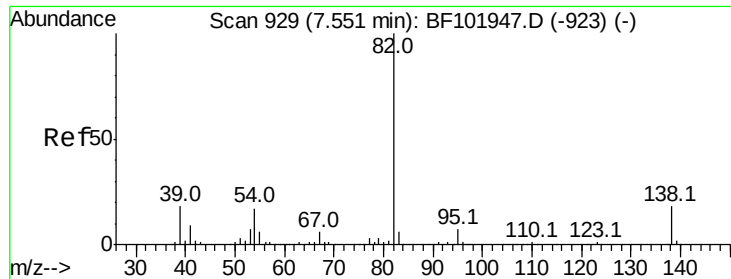
#23
Nitrobenzene-d5
Concen: 65.450 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102228.D
Acq: 19 Jan 2018 20:37

Tgt Ion: 82	Resp:	661050
Ion	Ratio	Lower Upper
82	100	
128	49.9	36.1 54.1
54	53.3	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: 44.807 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

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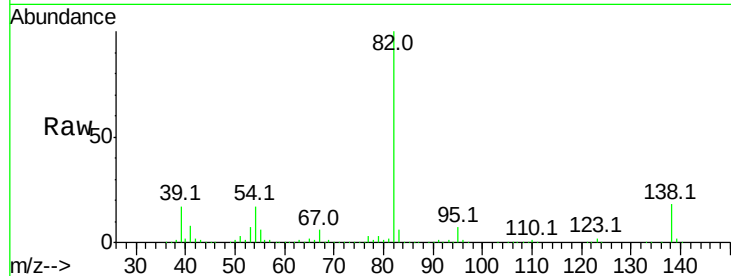
Tot Ion: 82 Resp: 894212

Ion Ratio Lower Upper

82 100

95 6.9 5.2 7.8

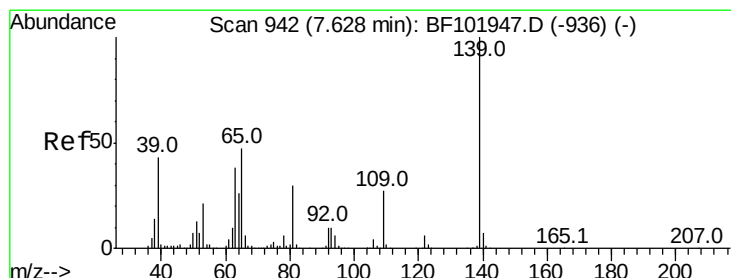
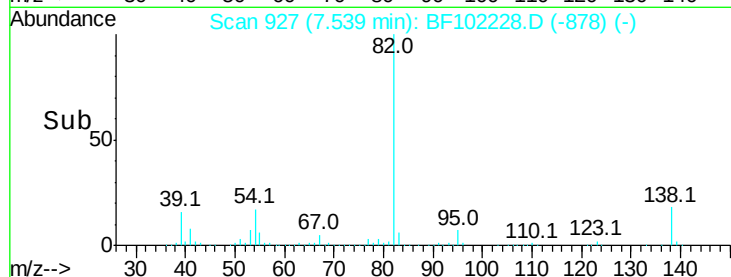
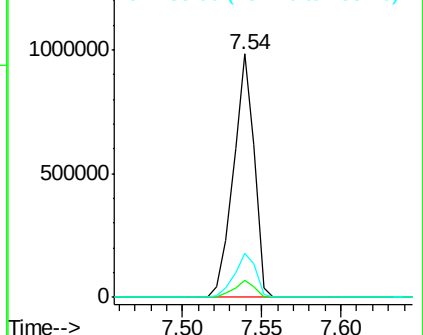
138 18.2 14.9 22.3



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



#26

2-Nitrophenol

Concen: 3.881 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.09 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

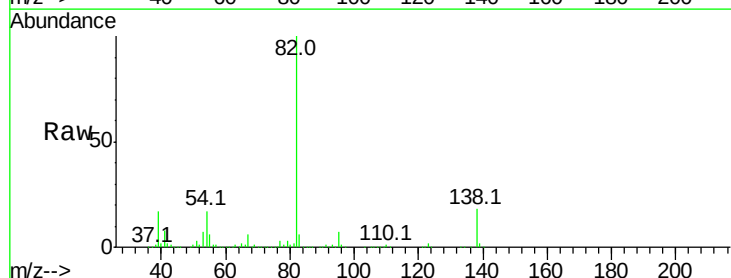
Tgt Ion: 139 Resp: 17631

Ion Ratio Lower Upper

139 100

109 16.0 22.7 34.1#

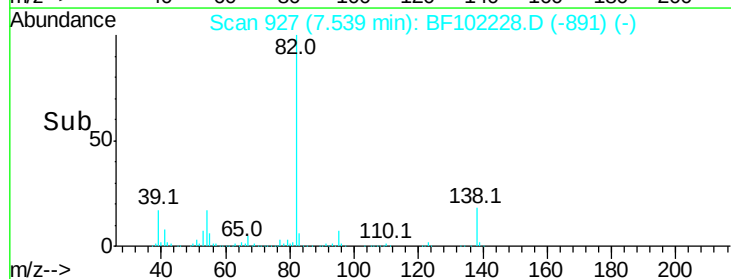
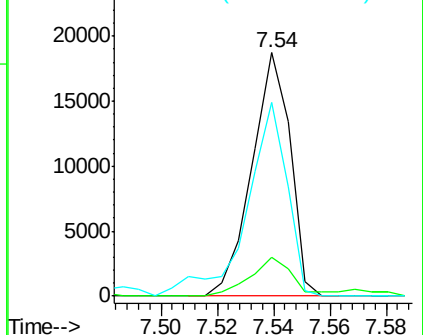
65 79.3 40.5 60.7#

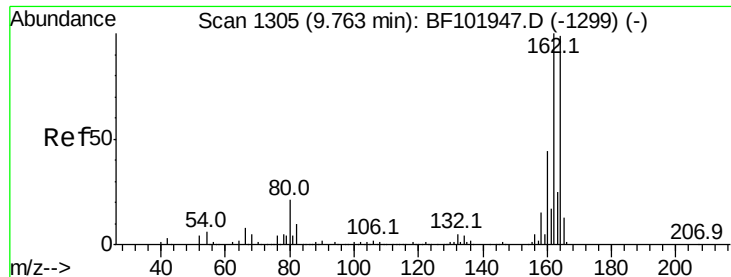


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

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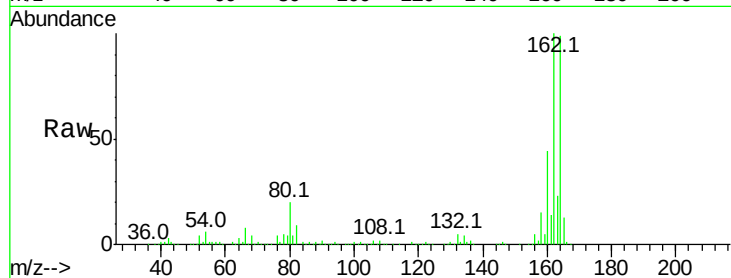
Tot Ion:164 Resp: 267194

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

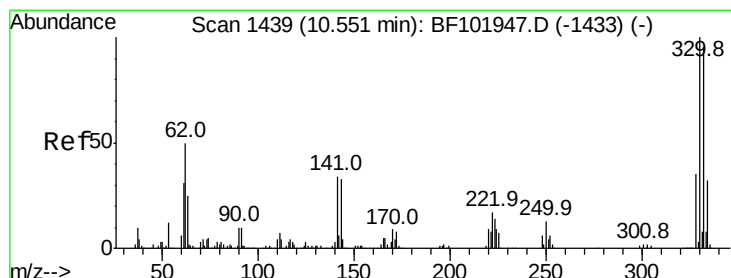
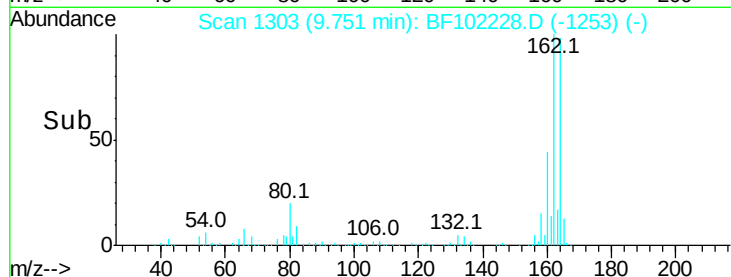
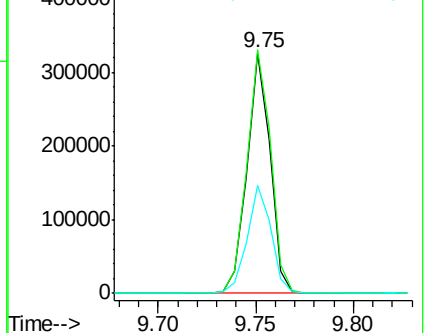
160 45.0 38.3 57.5



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: 104.179 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

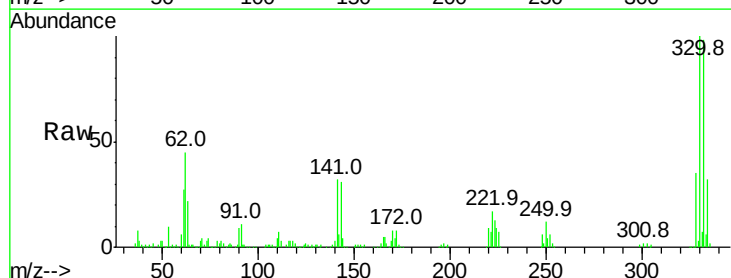
Tgt Ion:330 Resp: 242922

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

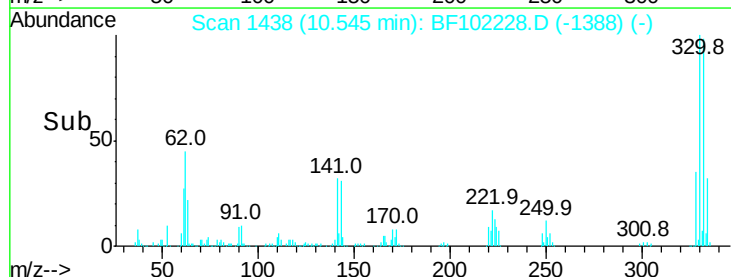
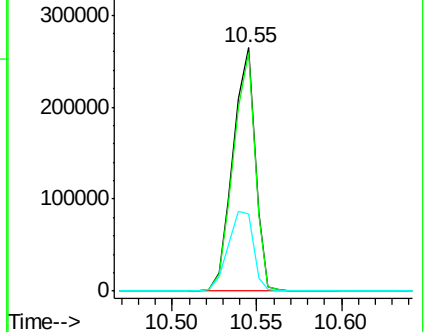
141 37.0 29.9 44.9

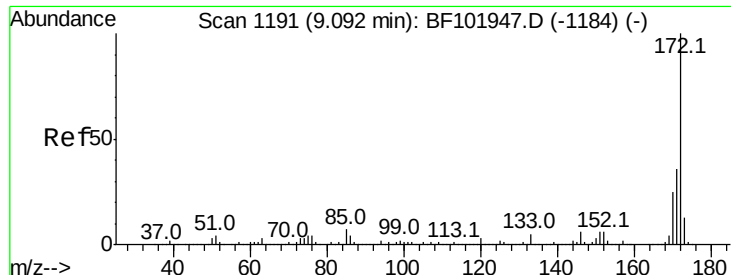


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

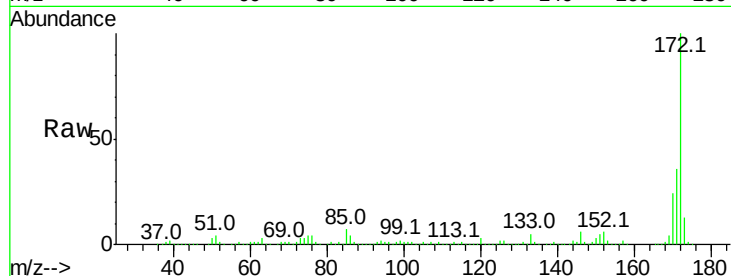




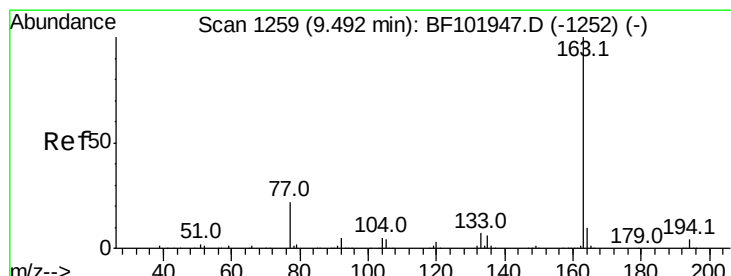
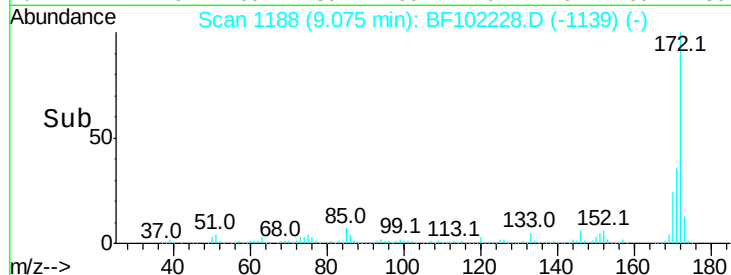
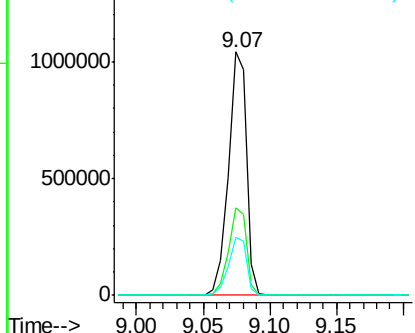
#44
2-Fluorobiphenyl
Concen: 58.355 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102228.D
Acq: 19 Jan 2018 20:37

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:172 Resp: 998039
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.8 19.6 29.4

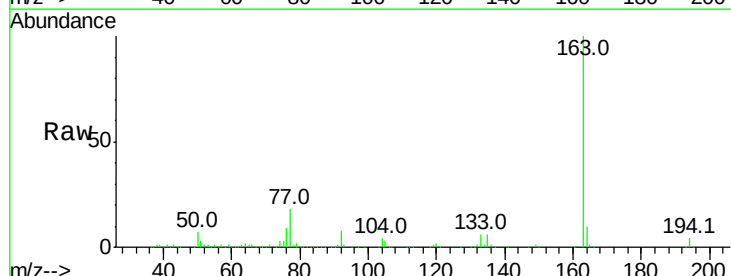


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

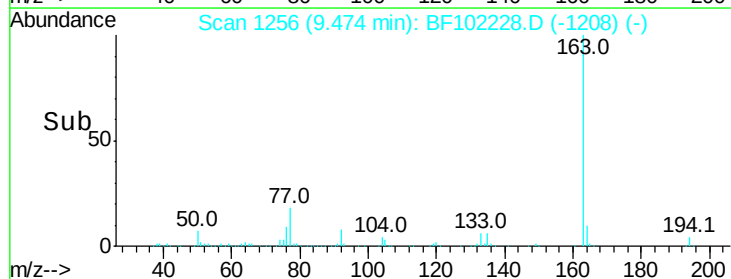
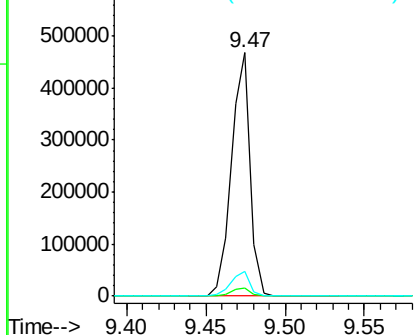


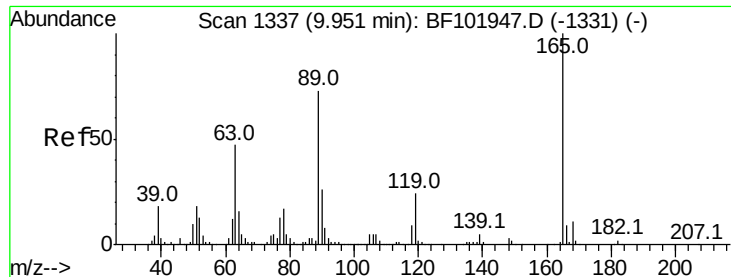
#49
Dimethylphthalate
Concen: 17.720 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF102228.D
Acq: 19 Jan 2018 20:37

Tgt Ion:163 Resp: 379814
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.2 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

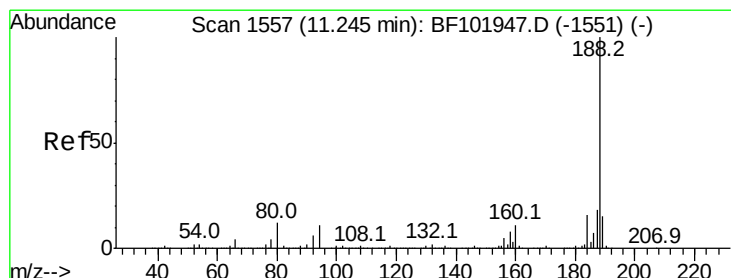
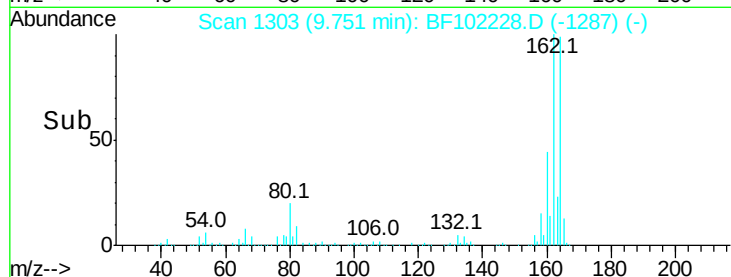
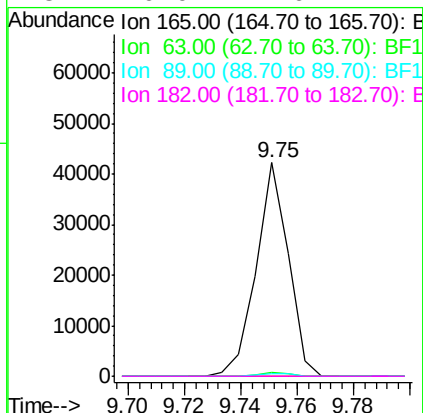
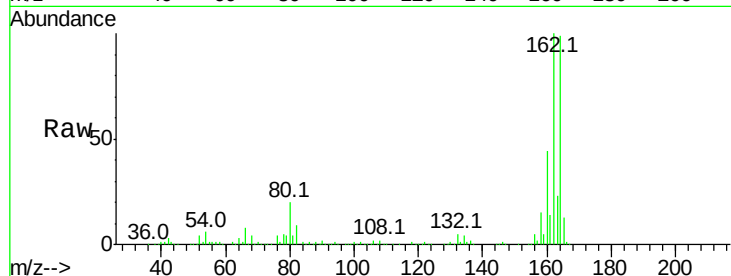




#56
 2,4-Dinitrotoluene
 Concen: 6.218 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

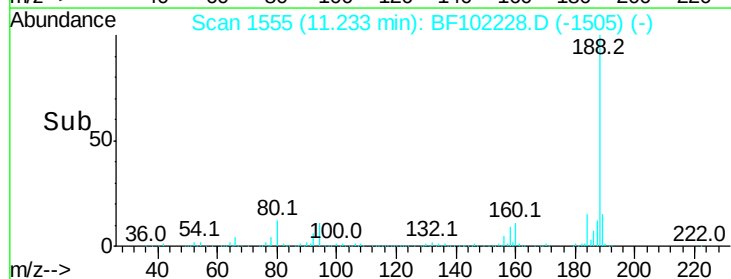
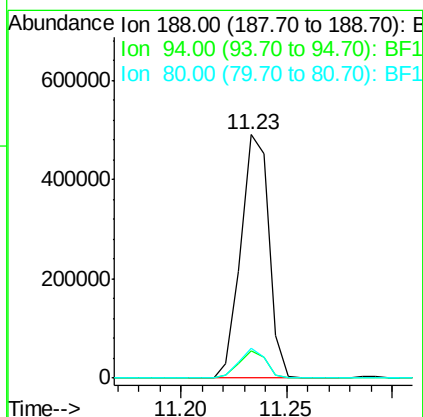
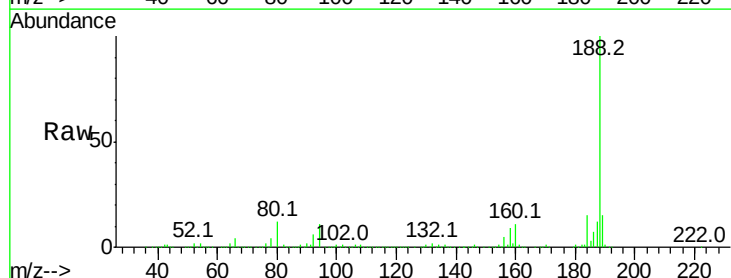
Instrument :
 BNA_F
 ClientSampleId :
 4-2

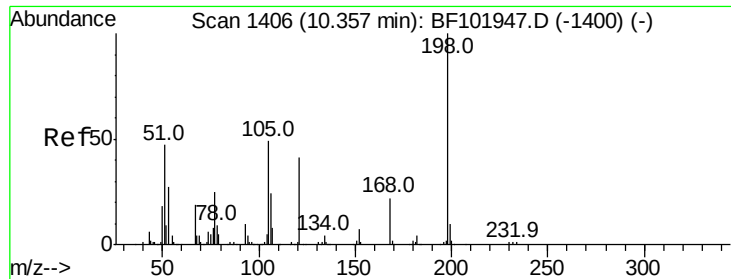
Tot Ion:	165	Resp:	33367
Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

Tgt Ion:	188	Resp:	452724
Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.2	9.2	13.8

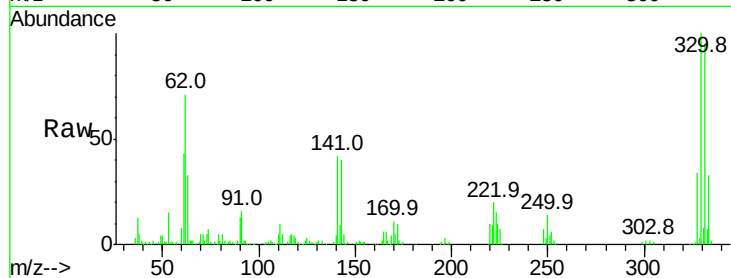




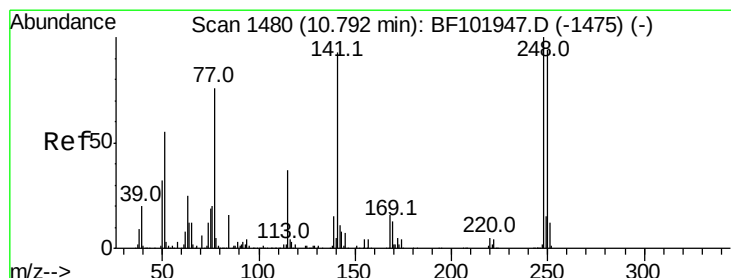
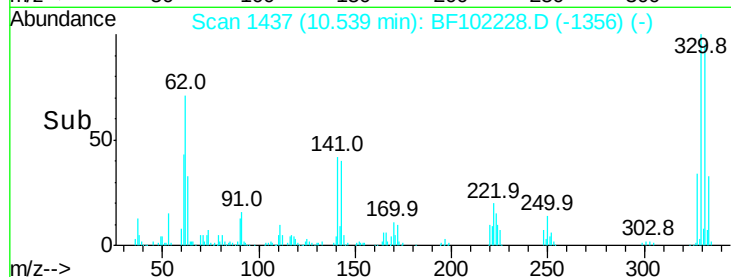
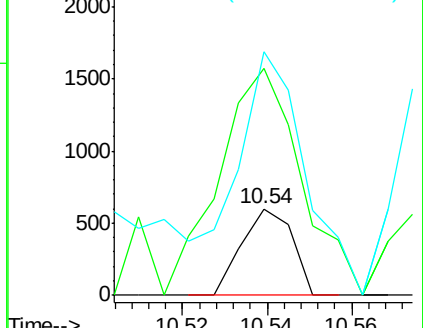
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.842 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

Instrument :
 BNA_F
 ClientSampled :
 4-2

Tot Ion:198 Resp: 501
 Ion Ratio Lower Upper
 198 100
 51 262.2 37.7 77.7#
 105 280.9 36.3 76.3#

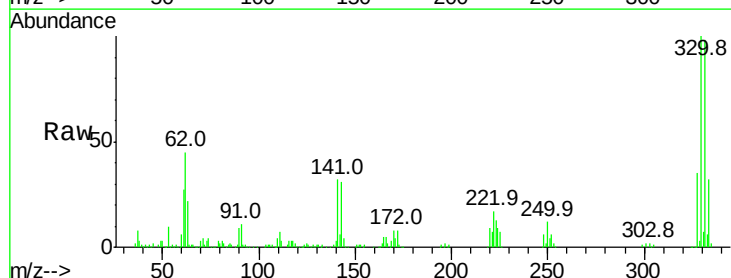


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

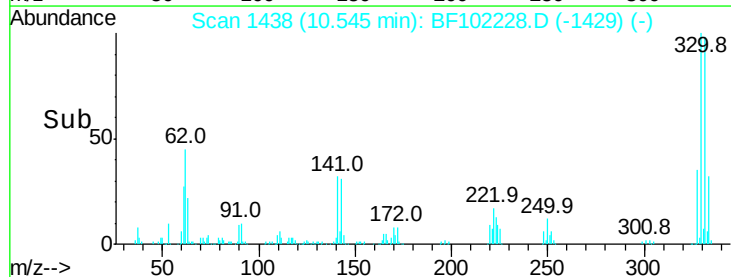
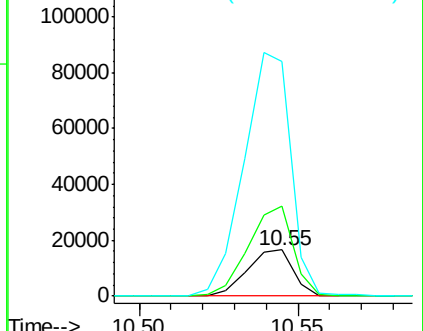


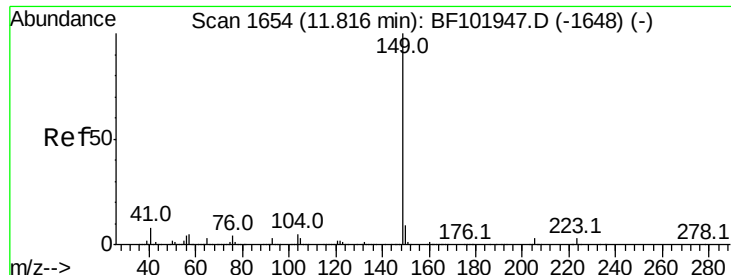
#66
 4-Bromophenyl-phenylether
 Concen: 3.445 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102228.D
 Acq: 19 Jan 2018 20:37

Tgt Ion:248 Resp: 16469
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.9 115.3#
 141 505.6 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





#73

Di-n-butylphthalate

Concen: 91.284 ng

RT: 11.81 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

4-2

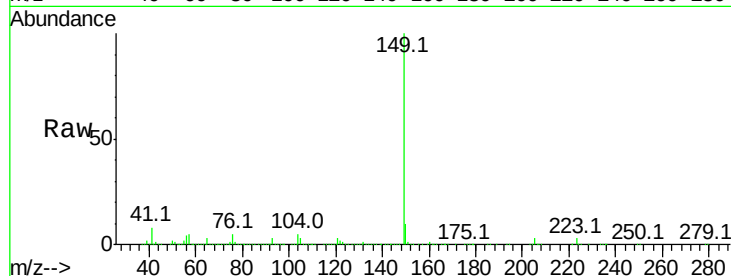
Tot Ion:149 Resp: 2952332

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

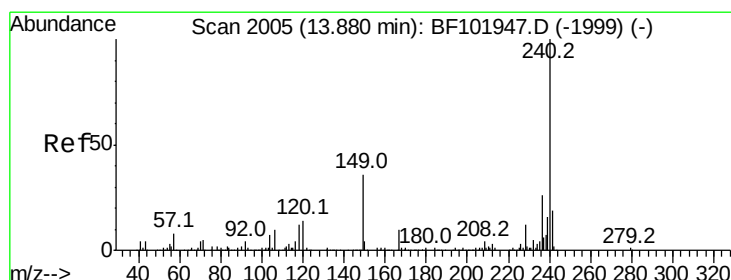
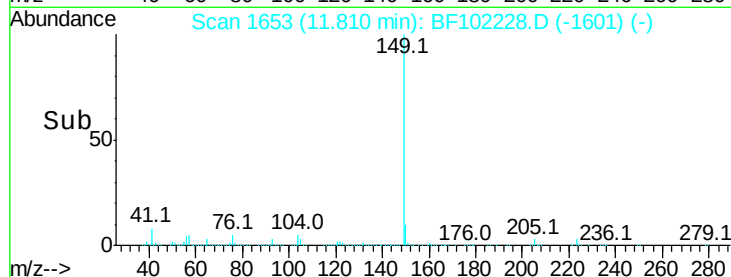
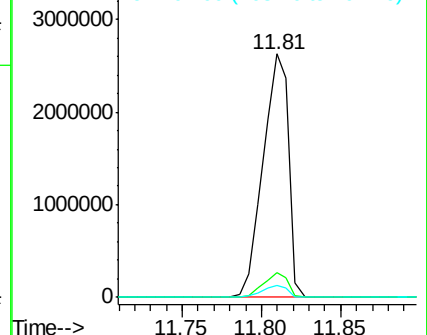
104 5.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

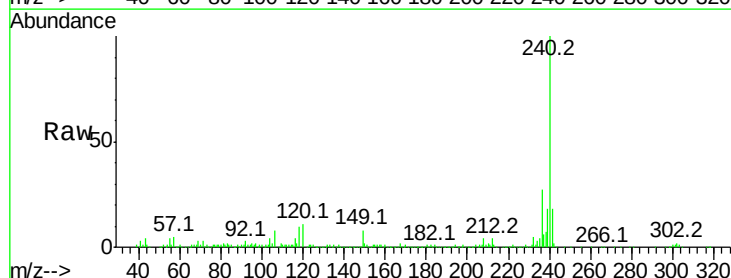
Tgt Ion:240 Resp: 265743

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

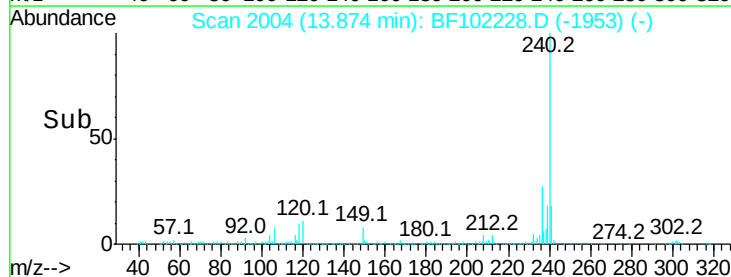
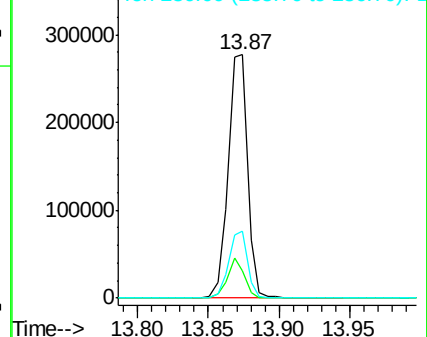
236 27.5 20.7 31.1

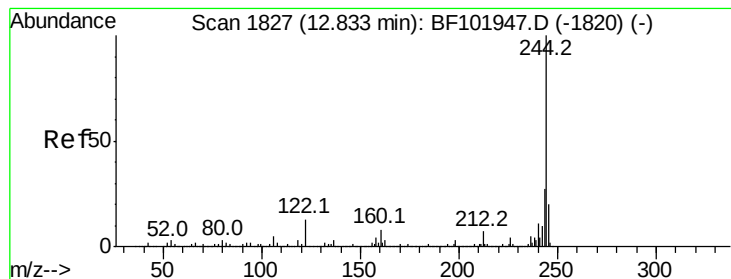


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 61.432 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampled :

4-2

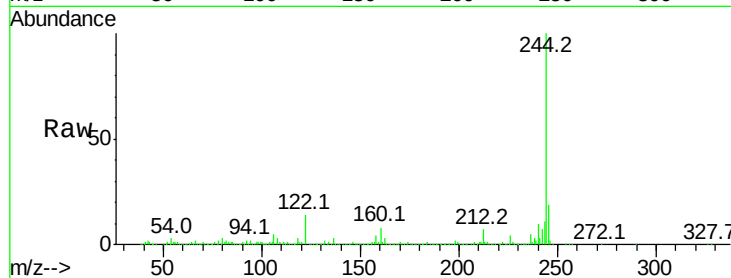
Tot Ion:244 Resp: 786278

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

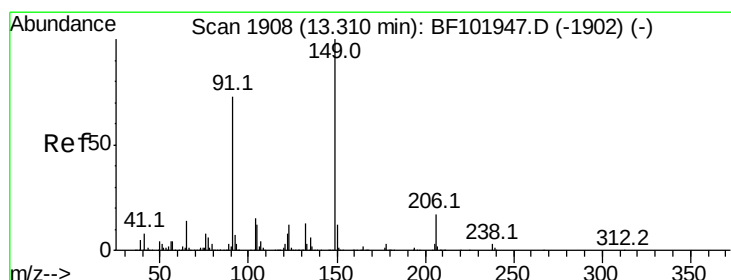
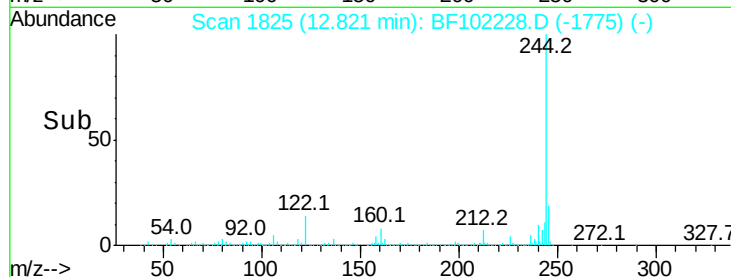
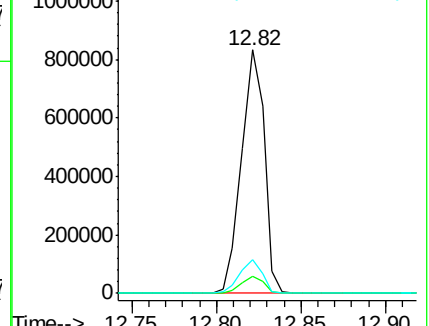
122 14.0 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 7.429 ng

RT: 13.30 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

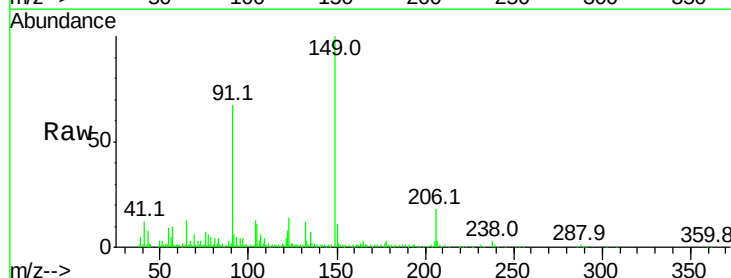
Tgt Ion:149 Resp: 80088

Ion Ratio Lower Upper

149 100

91 67.3 56.8 85.2

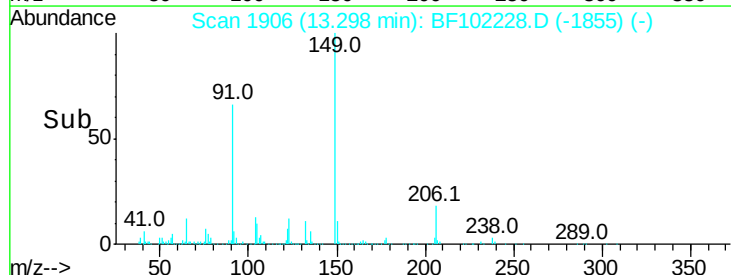
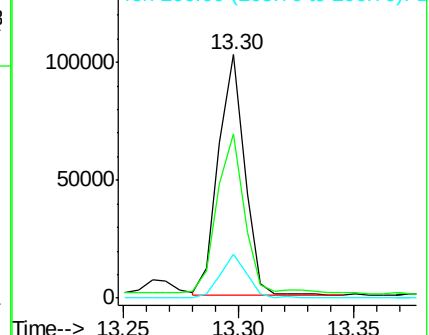
206 18.0 14.1 21.1

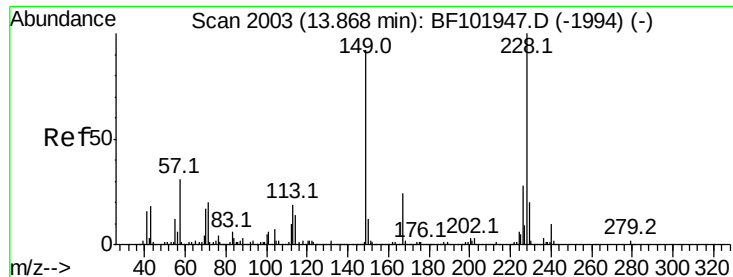


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 80.496 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

Instrument :

BNA_F

ClientSampleId :

4-2

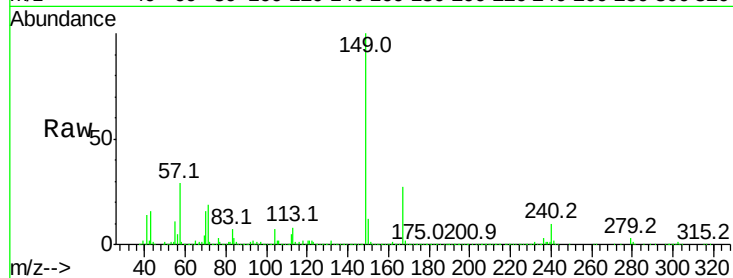
Tot Ion:149 Resp: 995452

Ion Ratio Lower Upper

149 100

167 26.6 21.3 31.9

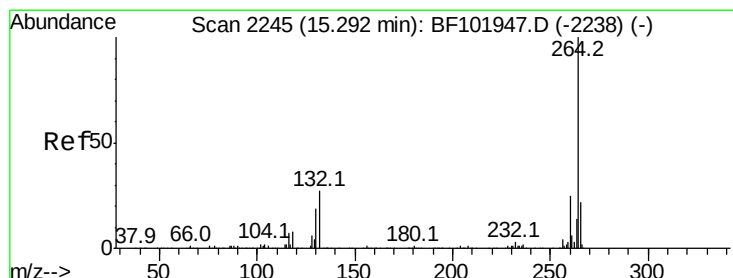
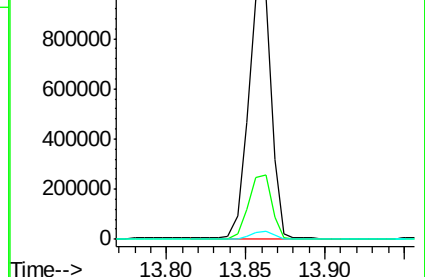
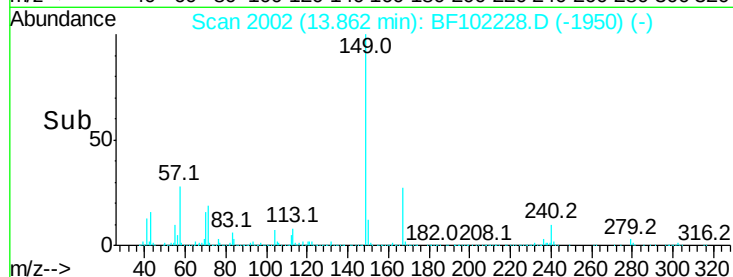
279 3.3 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.00 min

Lab File: BF102228.D

Acq: 19 Jan 2018 20:37

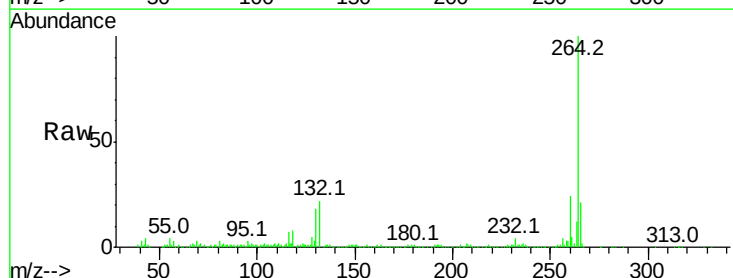
Tgt Ion:264 Resp: 261469

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 20.8 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

