

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102831.D
 Acq On : 7 Feb 2018 23:02
 Operator : SJ/JU
 Sample : J1471-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:21:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

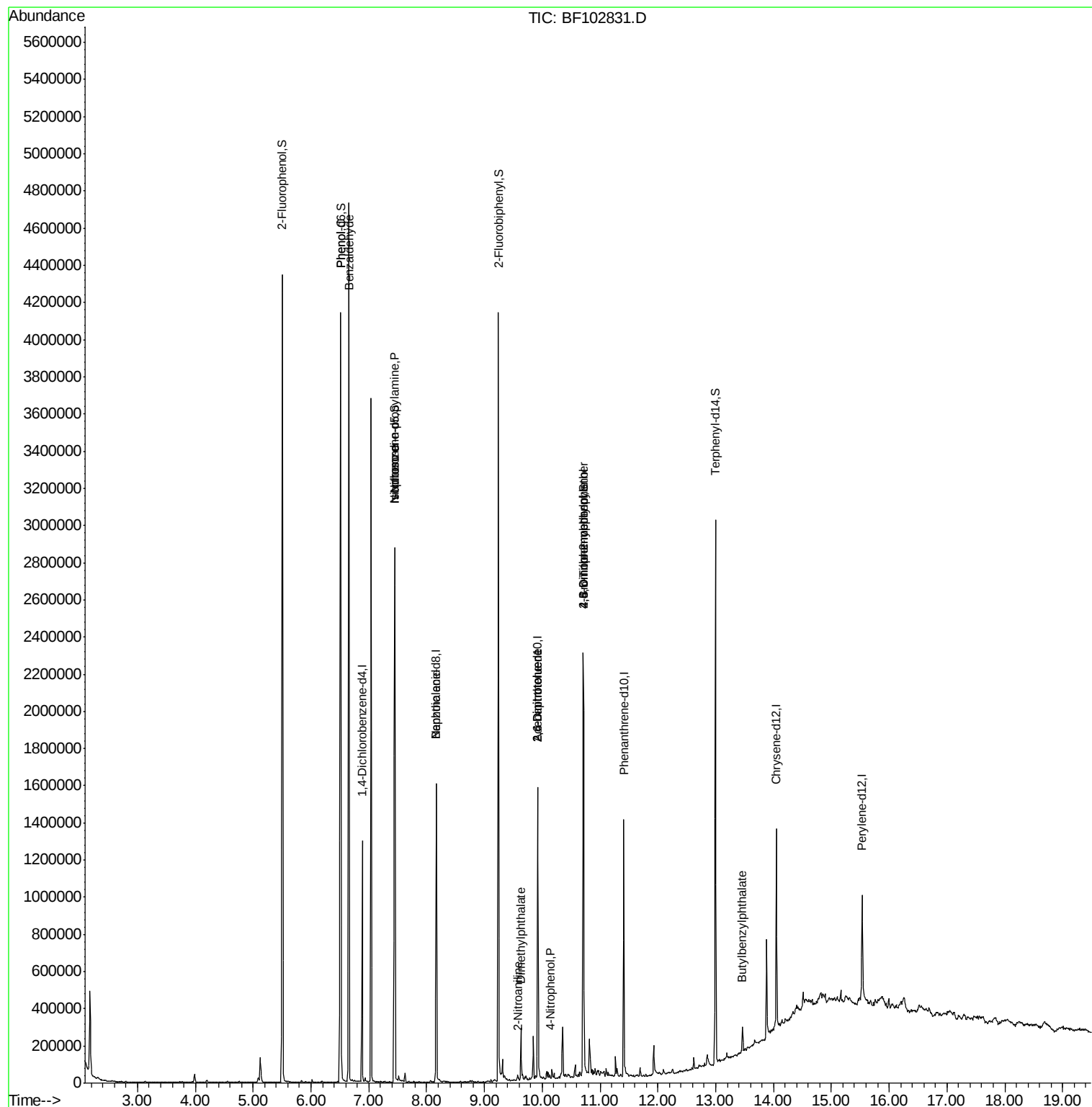
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	184508	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	727718	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	305794	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	448460	20.00	ng	0.00
75) Chrysene-d12	14.05	240	347347	20.00	ng	0.00
86) Perylene-d12	15.53	264	269408	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1353698	111.42	ng	0.02
7) Phenol-d6	6.52	99	1593088	108.90	ng	0.01
23) Nitrobenzene-d5	7.45	82	992171	94.58	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	278753	113.26	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1458130	79.12	ng	0.00
78) Terphenyl-d14	13.00	244	1024289	69.82	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	27620	2.54	ng	87
10) Phenol	6.52	94	39825	2.54	ng	81
19) n-Nitroso-di-n-propylamine	7.45	70	133244	13.81	ng	# 83
25) Isophorone	7.45	82	992161	41.07	ng	# 64
32) Benzoic acid	8.16	122	109	8.56	ng	# 1
47) 2-Nitroaniline	9.57	65	144	3.49	ng	# 20
49) Dimethylphthalate	9.63	163	104484	4.38	ng	99
50) 2,6-Dinitrotoluene	9.92	165	38600	8.51	ng	# 25
55) 4-Nitrophenol	10.13	139	224	4.07	ng	# 32
56) 2,4-Dinitrotoluene	9.92	165	38600	9.01	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	489	9.03	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	18132	3.82	ng	# 1
79) Butylbenzylphthalate	13.46	149	23531	2.79	ng	90

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

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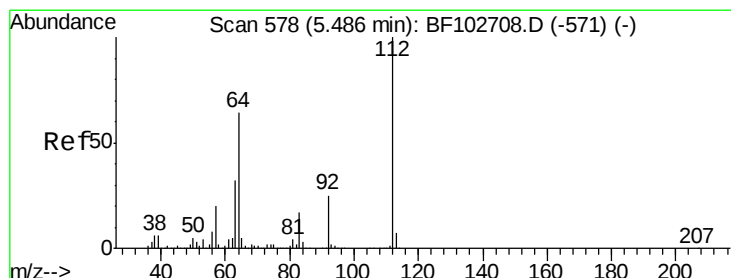
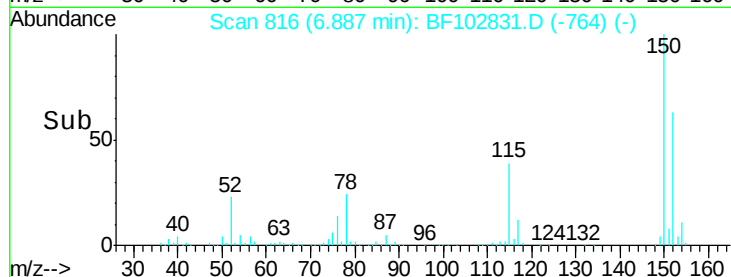
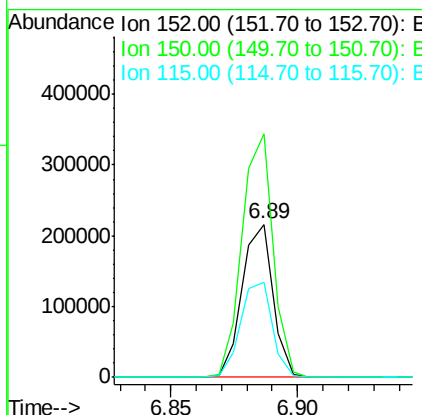
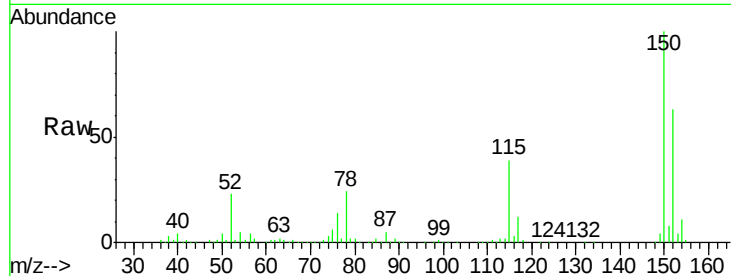


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

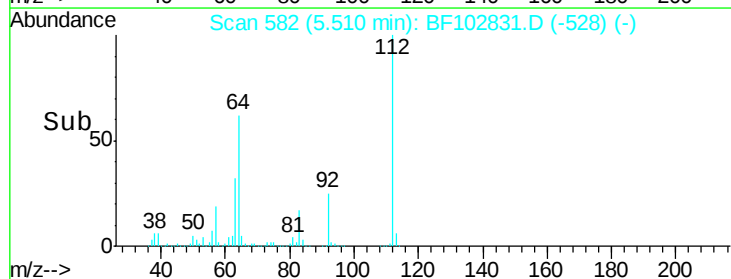
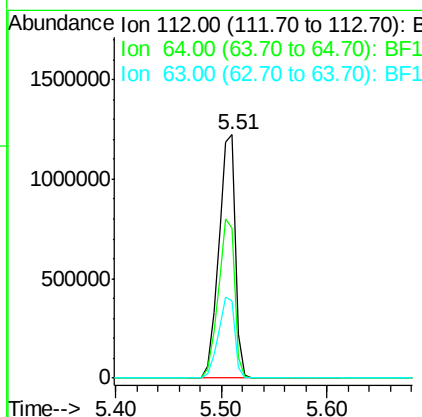
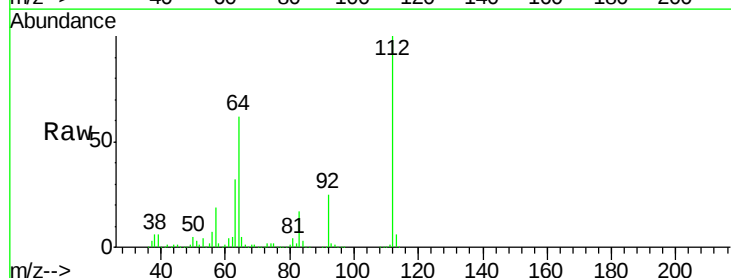
Tot Ion:152 Resp: 184508
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 62.3 50.1 75.1



#5

2-Fluorophenol
Concen: 111.42 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion:112 Resp: 1353698
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 31.9 23.7 35.5





#7

Phenol-d6

Concen: 108.90 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

Instrument :

BNA_F

ClientSampleId :

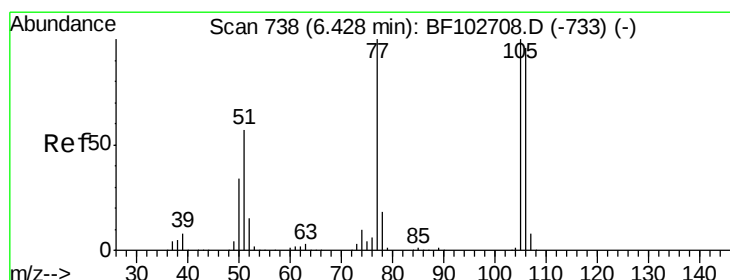
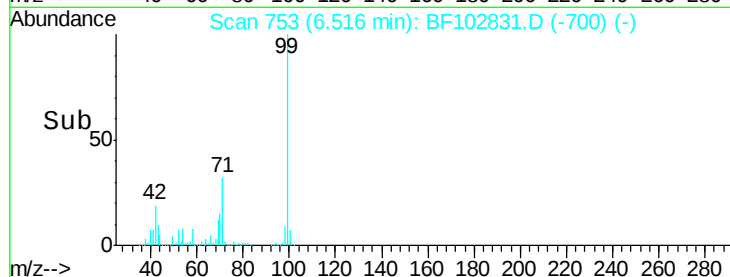
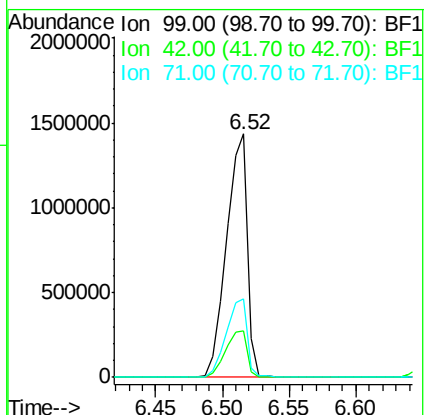
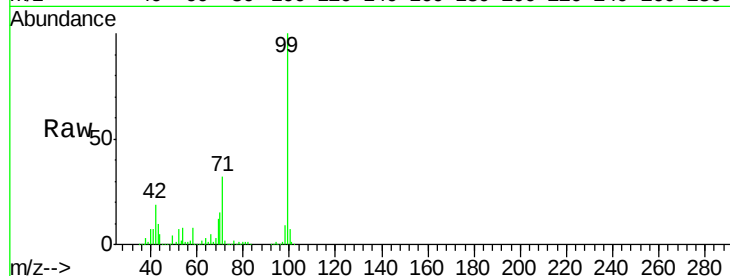
Tot Ion: 99 Resp: 1593088

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 32.1 25.4 38.0



#9

Benzaldehyde

Concen: 2.54 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

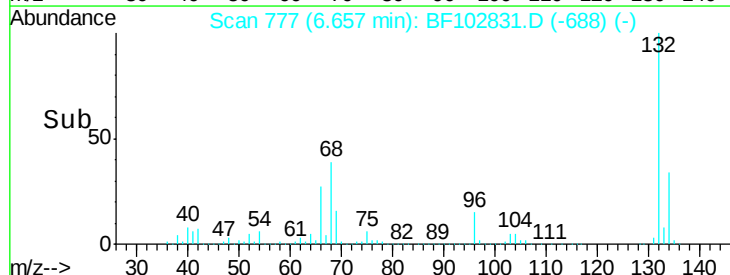
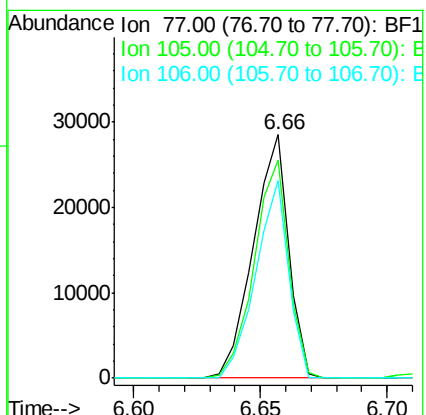
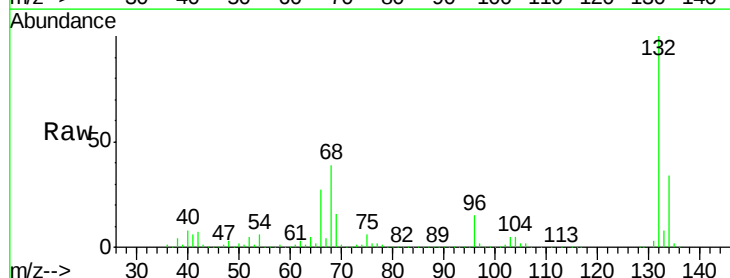
Tgt Ion: 77 Resp: 27620

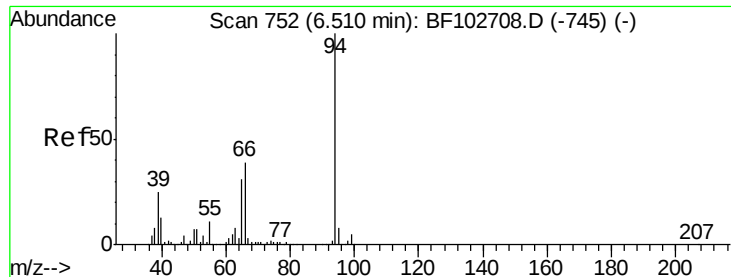
Ion Ratio Lower Upper

77 100

105 89.6 81.1 121.1

106 81.2 74.5 114.5

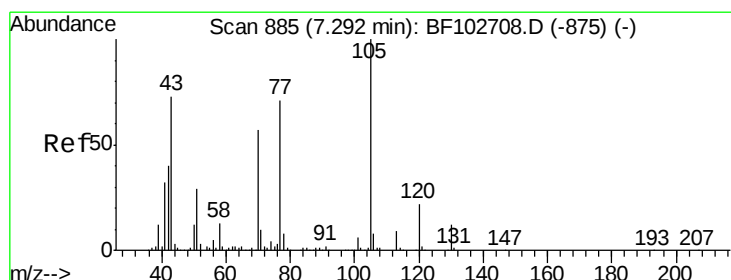
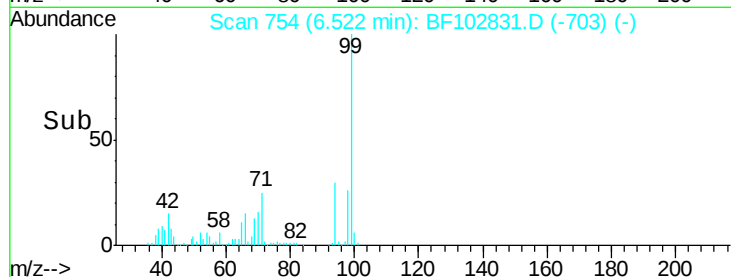
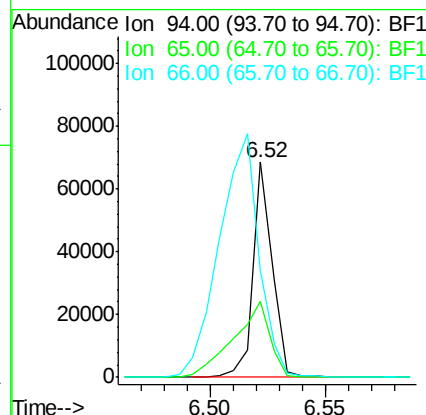
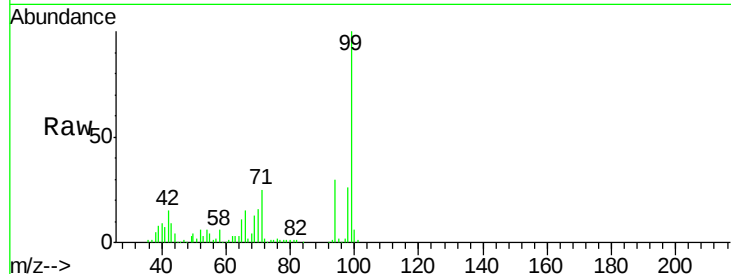




#10
Phenol
Concen: 2.54 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

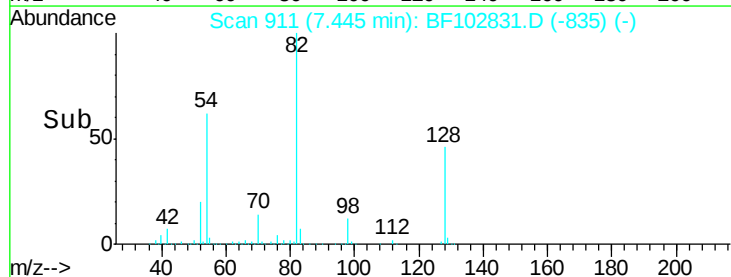
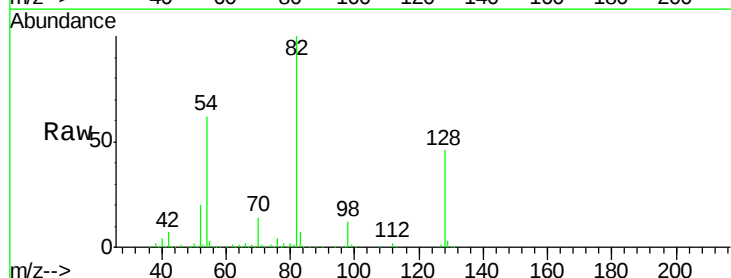
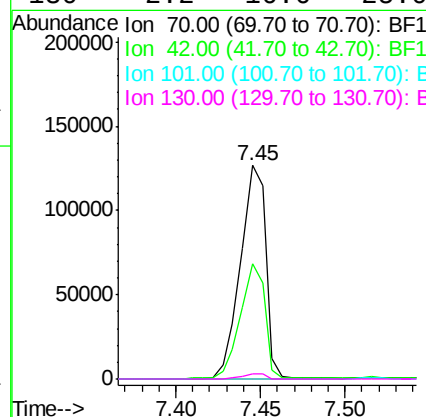
Instrument :
BNA_F
ClientSampled :

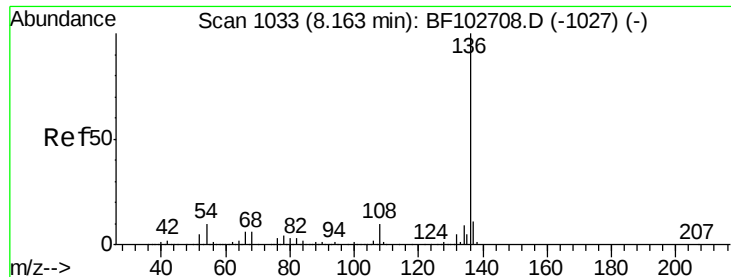
Tot Ion: 94 Resp: 39825
Ion Ratio Lower Upper
94 100
65 35.2 7.9 47.9
66 49.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.81 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion: 70 Resp: 133244
Ion Ratio Lower Upper
70 100
42 53.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#

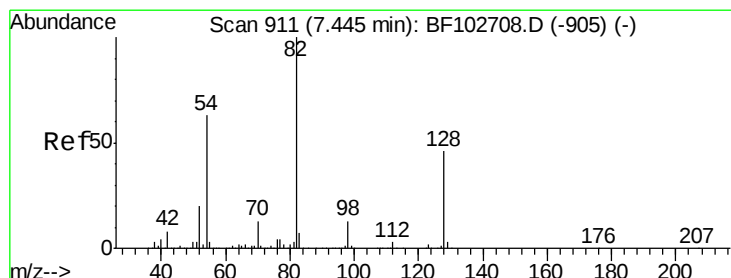
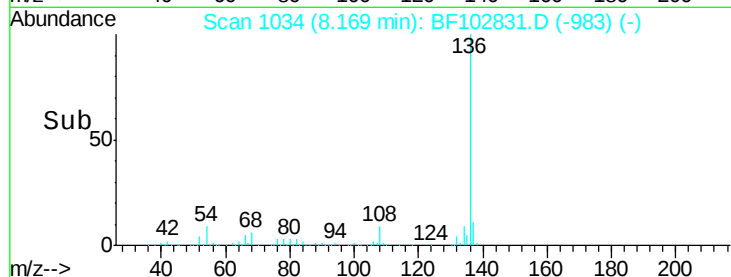
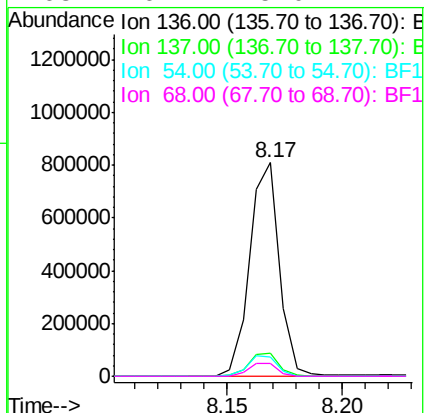
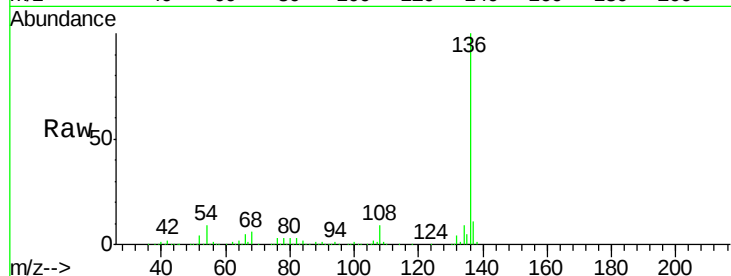




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

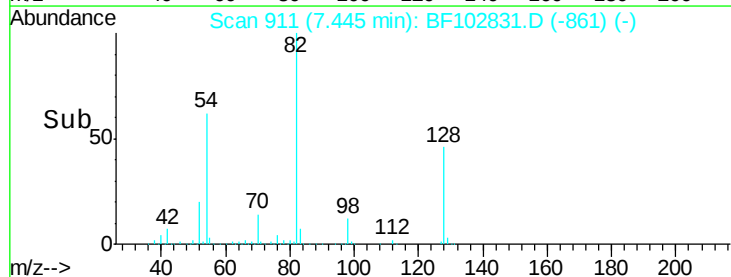
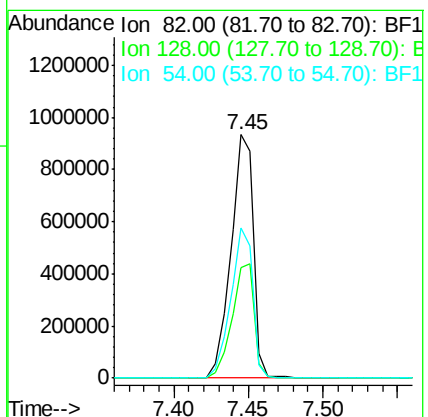
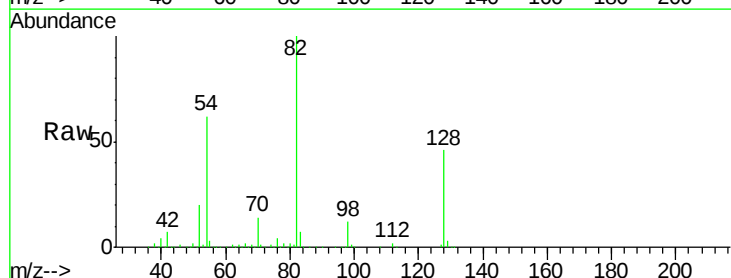
Instrument :
BNA_F
ClientSampleId :

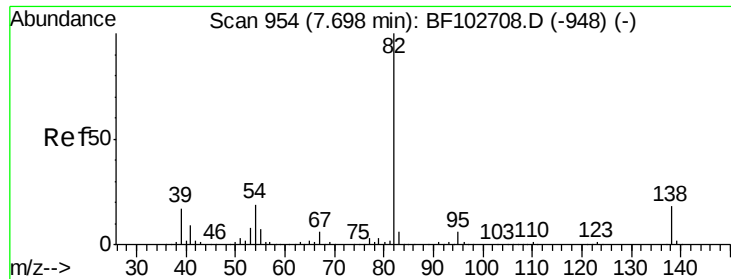
Tot Ion:136	Resp:	727718
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.9	13.3
54 9.0	6.6	9.8
68 6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 94.58 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion: 82	Resp: 992171
Ion Ratio	Lower Upper
82 100	
128 45.6	36.1 54.1
54 61.9	41.4 62.2





#25

Isophorone

Concen: 41.07 ng

RT: 7.45 min Scan# 911

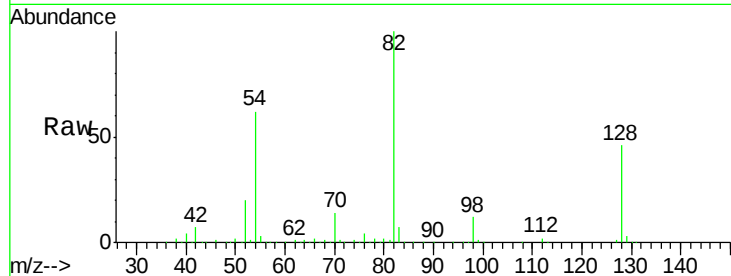
Delta R.T. -0.26 min

Lab File: BF102831.D

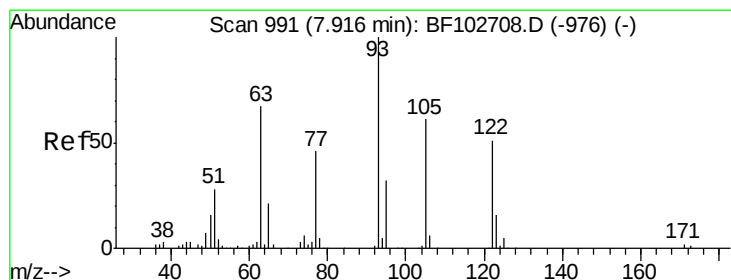
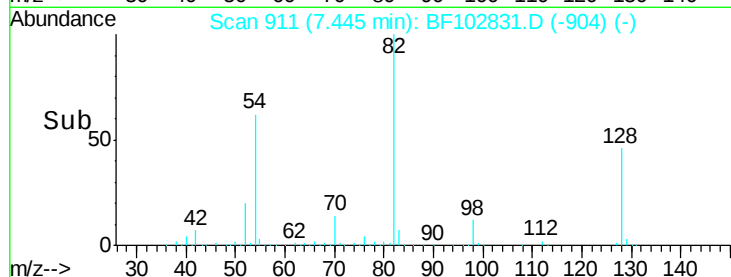
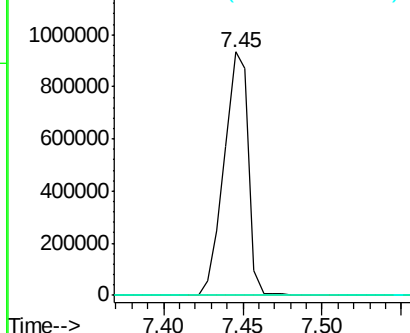
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 992161
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



#32

Benzoic acid

Concen: 8.56 ng

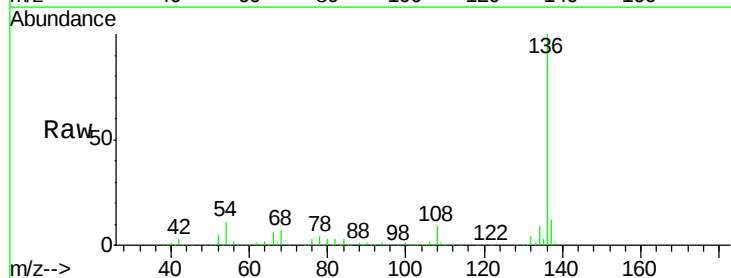
RT: 8.16 min Scan# 1033

Delta R.T. 0.23 min

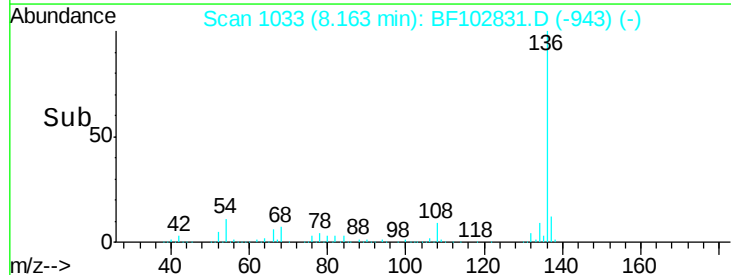
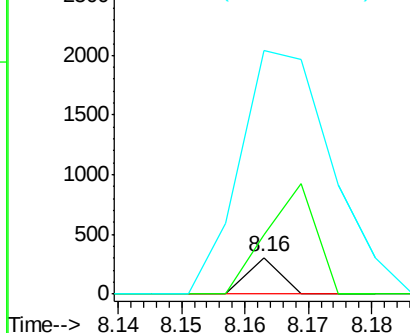
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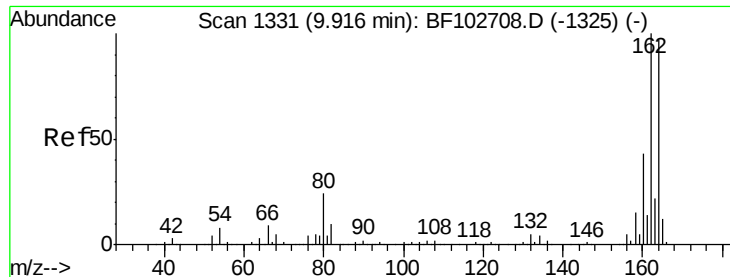
Acq: 7 Feb 2018 23:02

Tgt Ion: 122 Resp: 109
Ion Ratio Lower Upper
122 100
105 160.7 101.1 141.1#
77 662.3 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

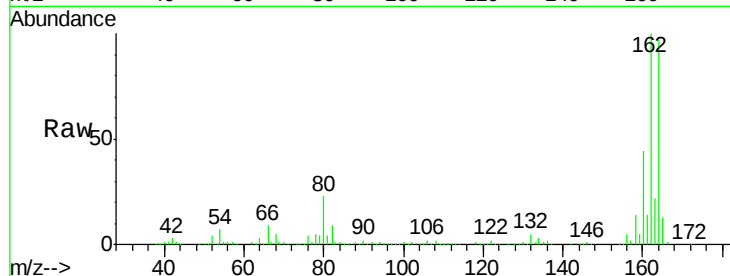




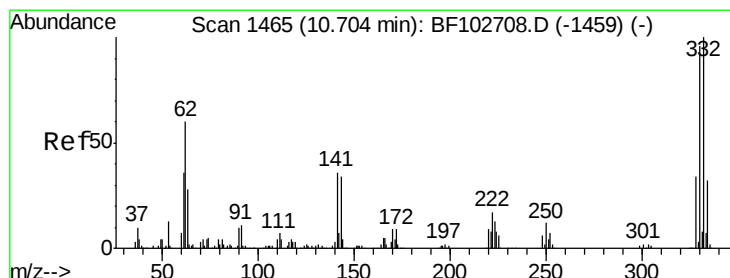
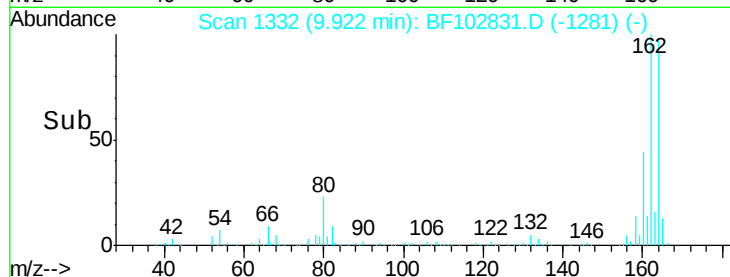
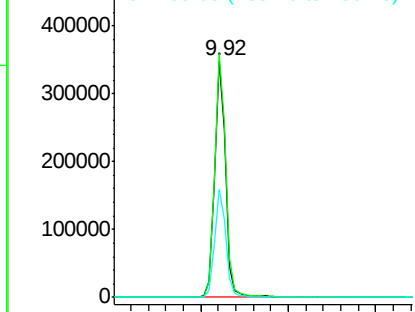
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 305794
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 45.4 38.3 57.5

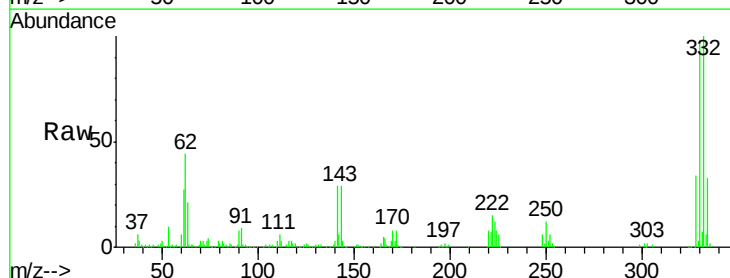


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

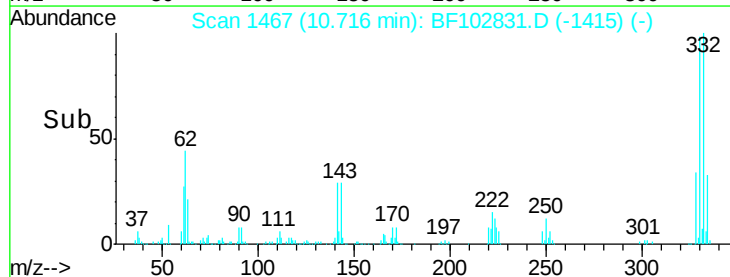
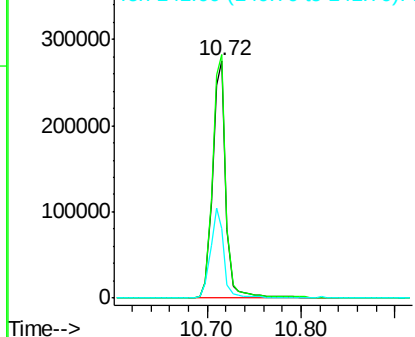


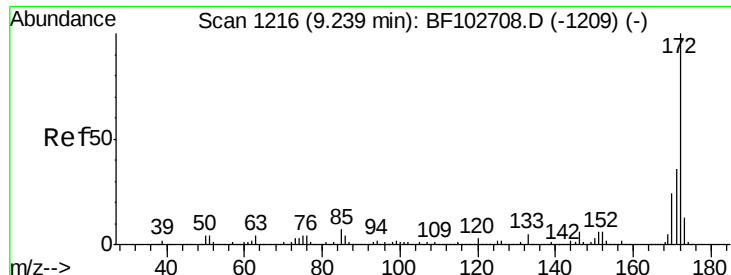
#41
2,4,6-Tribromophenol
Concen: 113.26 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion:330 Resp: 278753
Ion Ratio Lower Upper
330 100
332 103.4 77.0 115.6
141 38.5 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

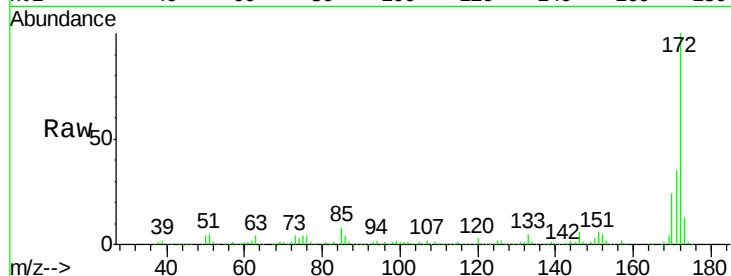




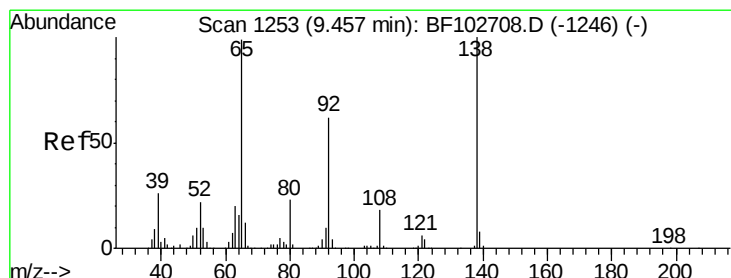
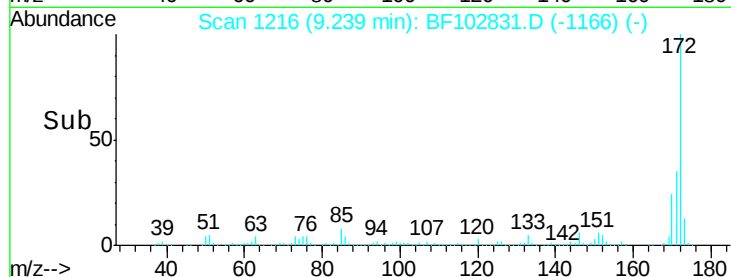
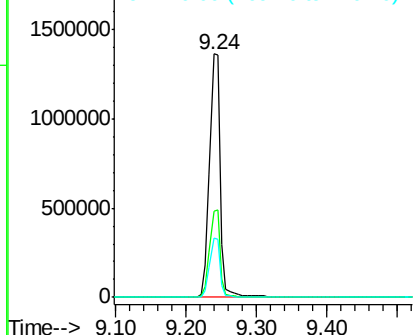
#44
2-Fluorobiphenyl
Concen: 79.12 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1458130
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 24.3 19.6 29.4

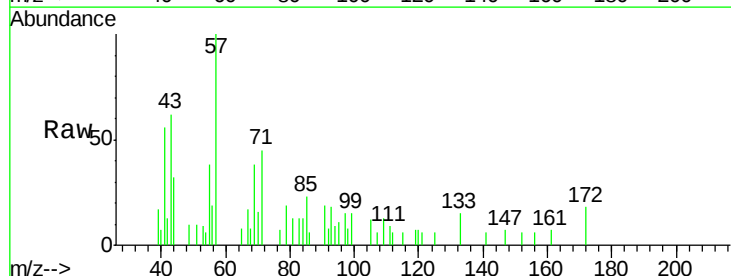


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

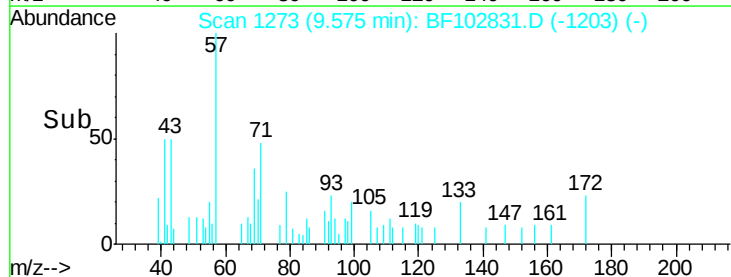
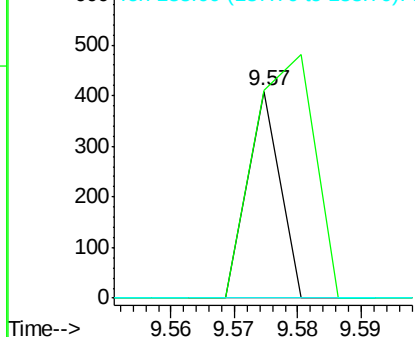


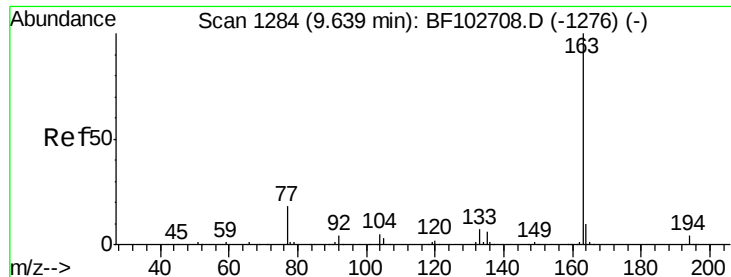
#47
2-Nitroaniline
Concen: 3.49 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.11 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion: 65 Resp: 144
Ion Ratio Lower Upper
65 100
92 100.5 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

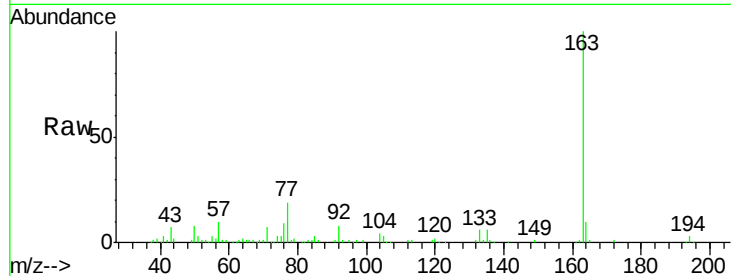




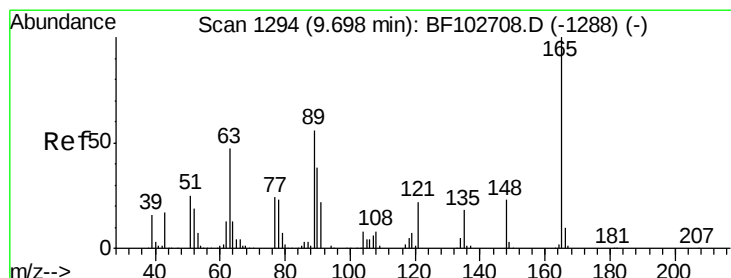
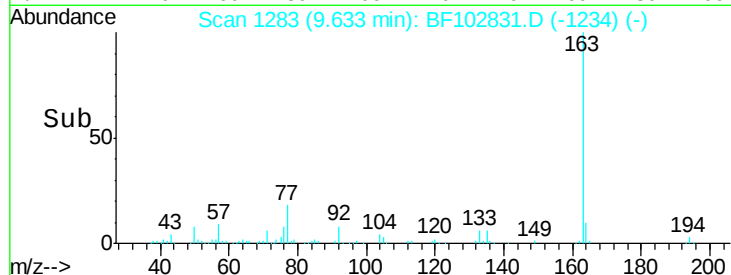
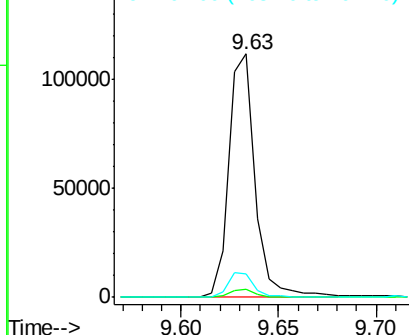
#49
Dimethylphthalate
Concen: 4.38 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2

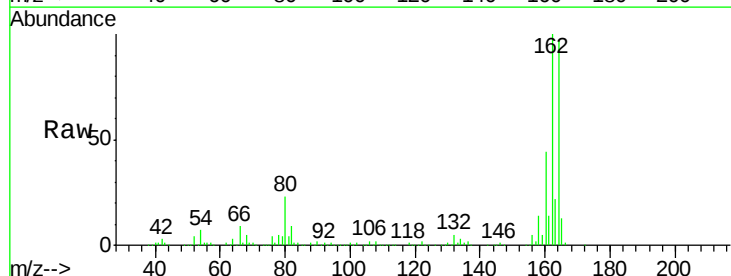


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

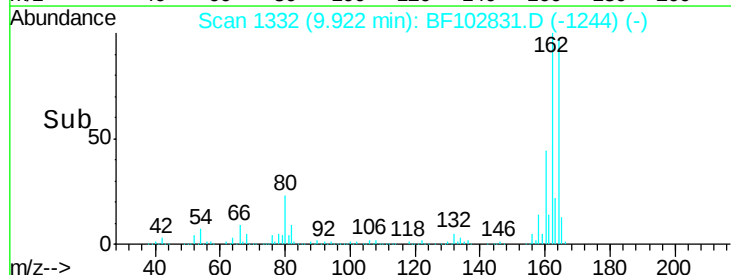
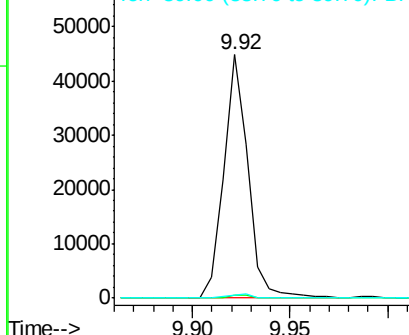


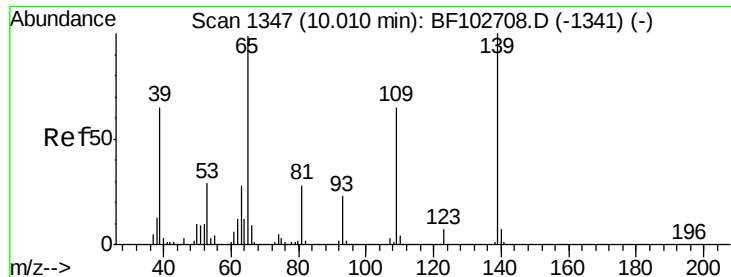
#50
2,6-Dinitrotoluene
Concen: 8.51 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.22 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.2	44.0	66.0#



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

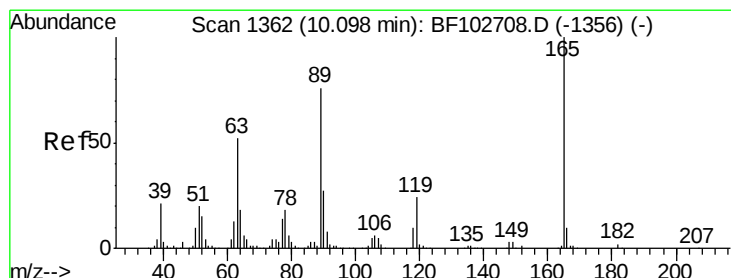
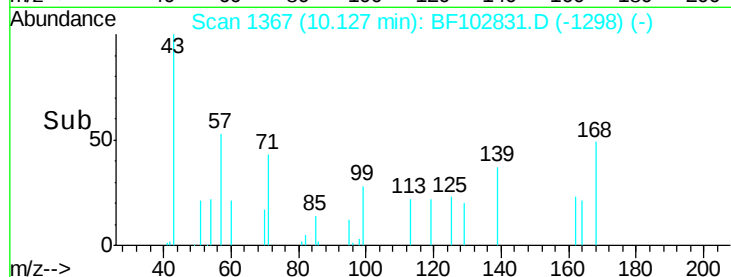
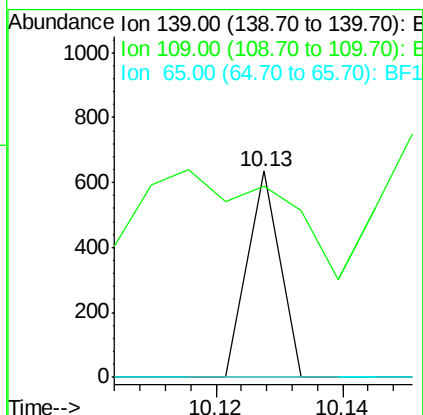
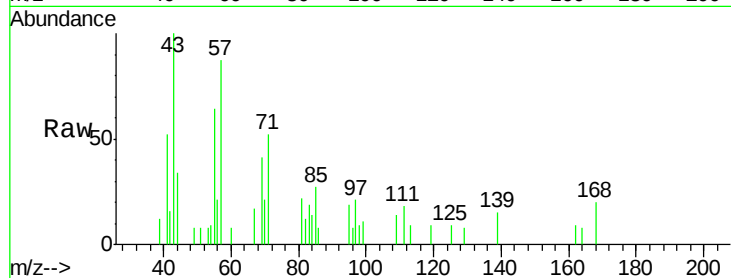




#55
4-Nitrophenol
Concen: 4.07 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

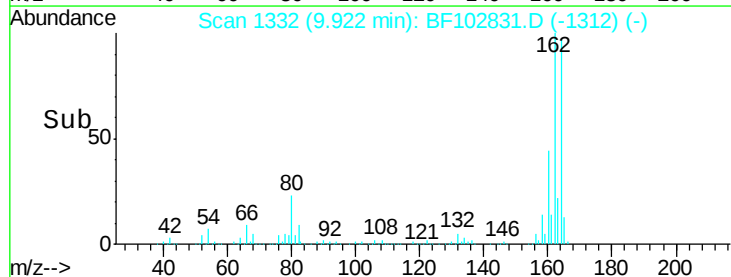
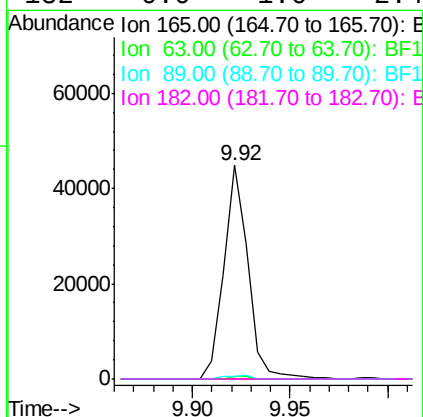
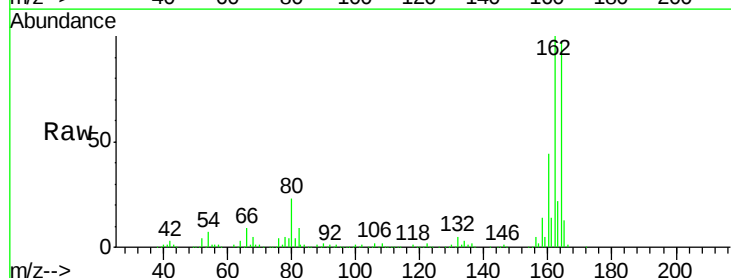
Instrument :
BNA_F
ClientSampled :

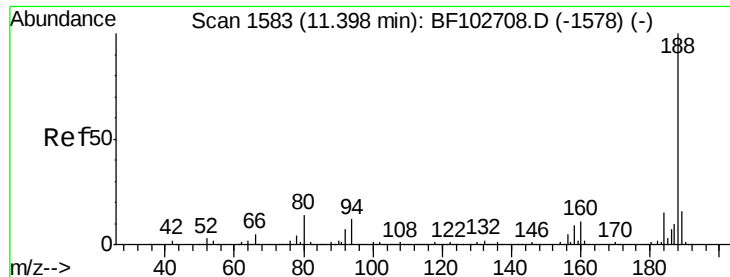
Tot Ion:139 Resp: 224
Ion Ratio Lower Upper
139 100
109 92.9 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.01 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion:165 Resp: 38600
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

Instrument :

BNA_F

ClientSampleId :

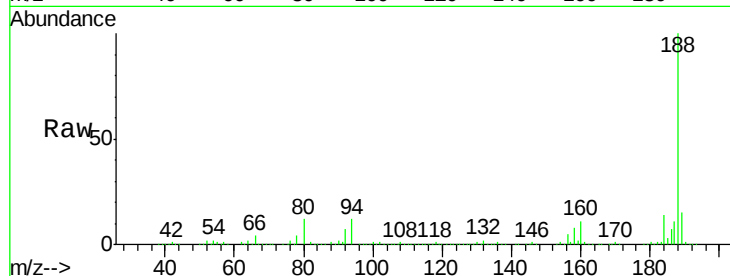
Tot Ion:188 Resp: 448460

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

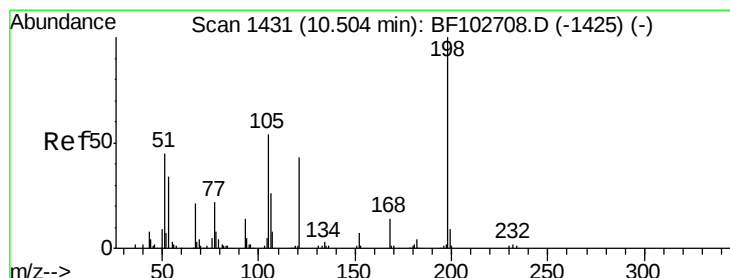
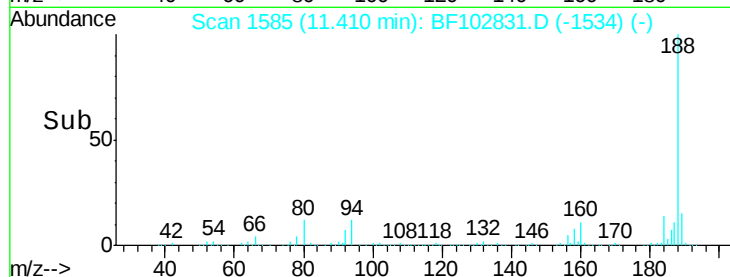
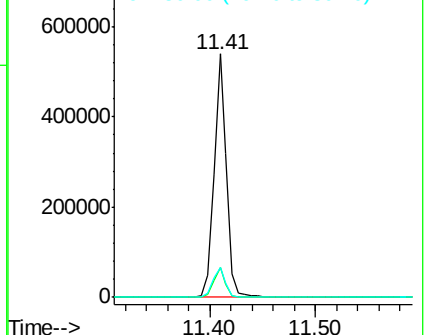
80 12.4 9.2 13.8



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: 9.03 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

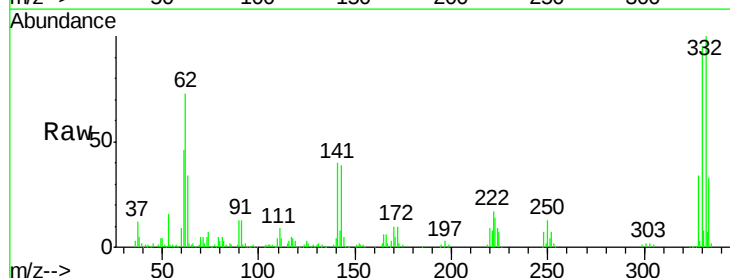
Tgt Ion:198 Resp: 489

Ion Ratio Lower Upper

198 100

51 178.5 37.7 77.7#

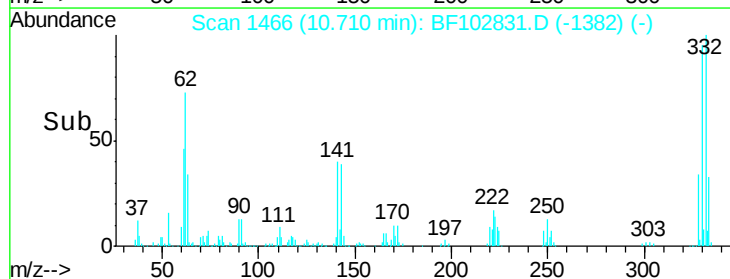
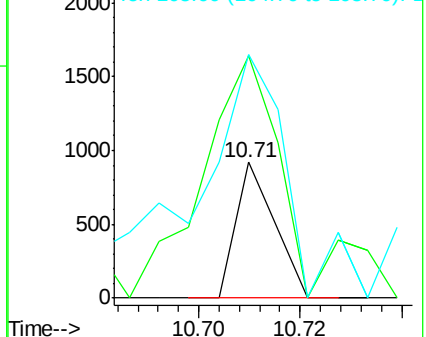
105 179.0 36.3 76.3#

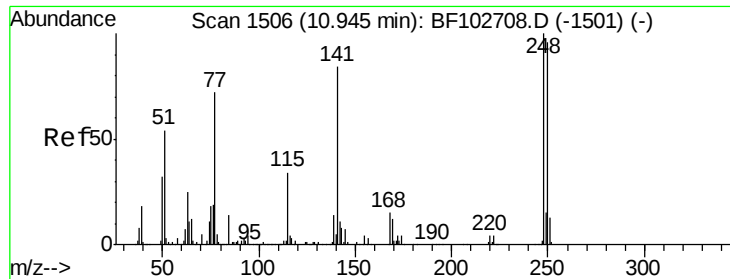


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

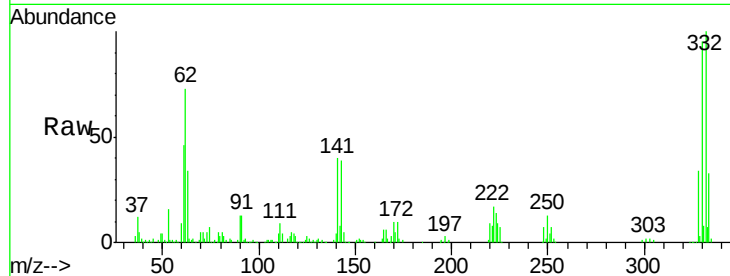




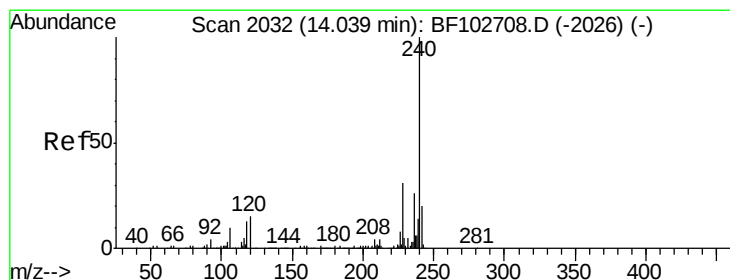
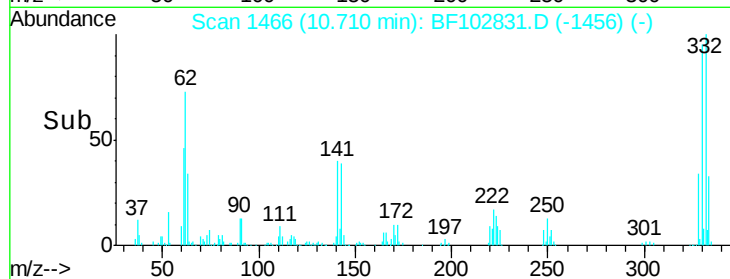
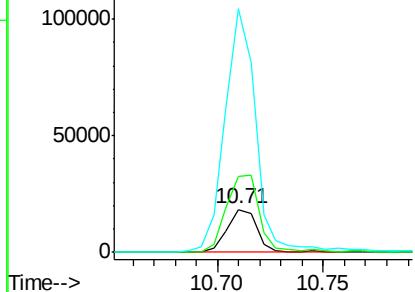
#66
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18132
Ion Ratio Lower Upper
248 100
250 177.1 76.9 115.3#
141 566.4 74.4 111.6#

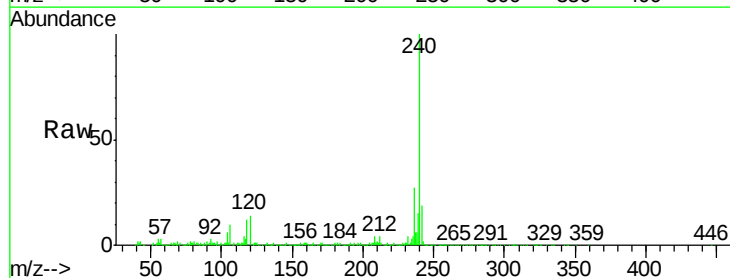


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

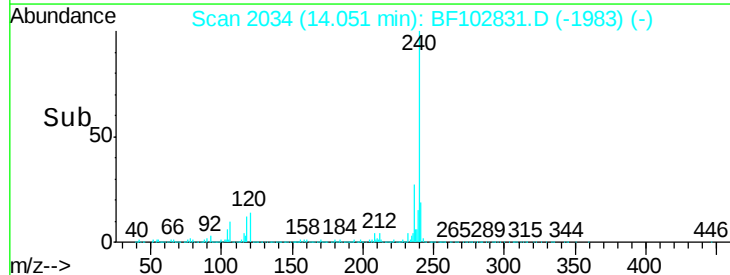
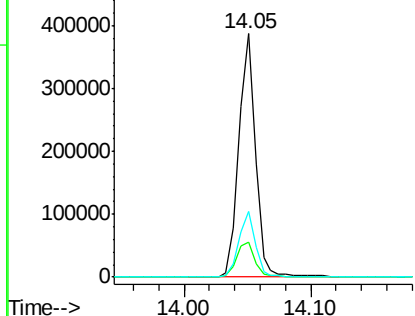


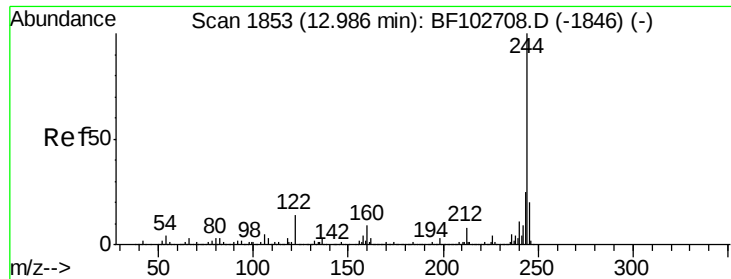
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Tgt Ion:240 Resp: 347347
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 26.9 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: 69.82 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

Instrument :

BNA_F

ClientSampleId :

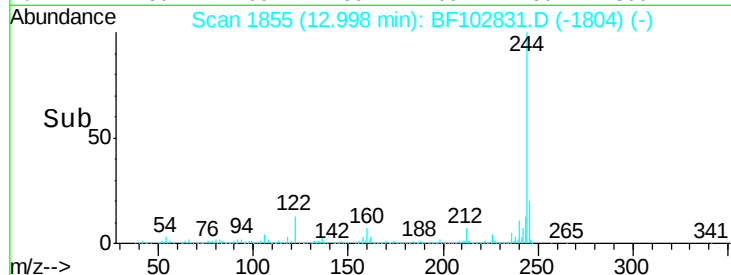
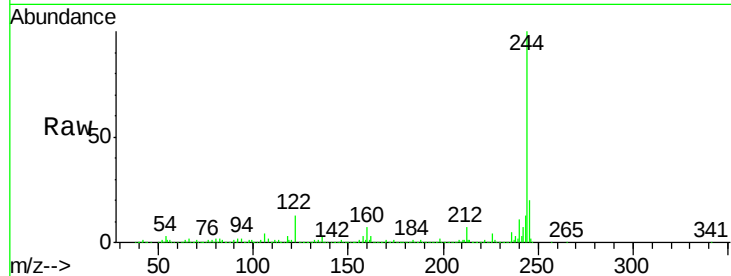
Tot Ion:244 Resp: 1024289

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

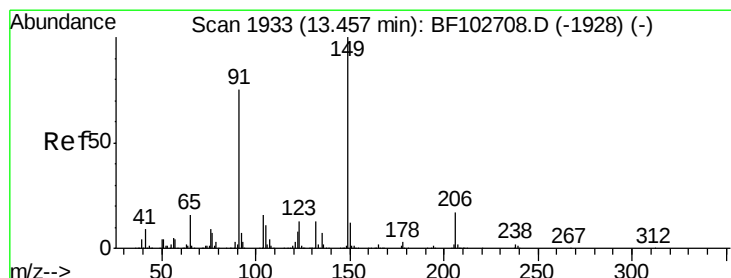
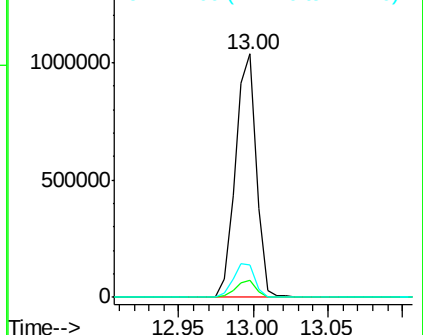
122 13.5 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 2.79 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF102831.D

Acq: 7 Feb 2018 23:02

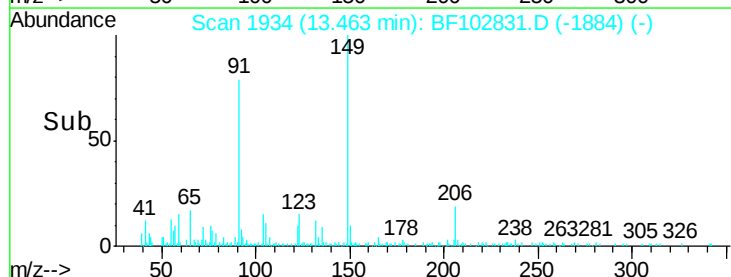
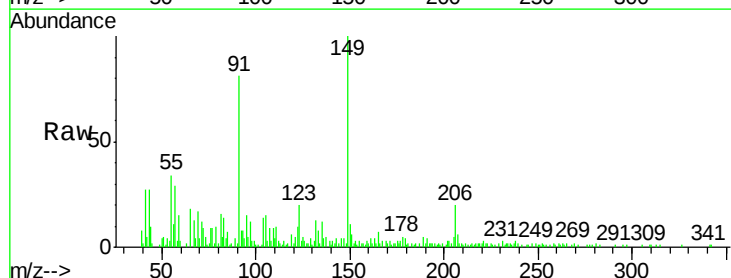
Tgt Ion:149 Resp: 23531

Ion Ratio Lower Upper

149 100

91 80.6 56.8 85.2

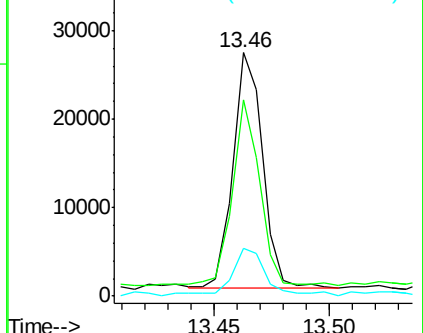
206 19.7 14.1 21.1

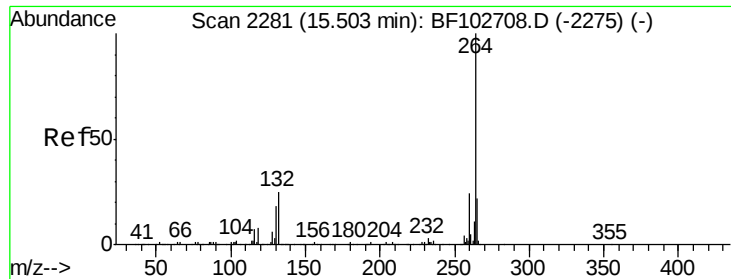


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

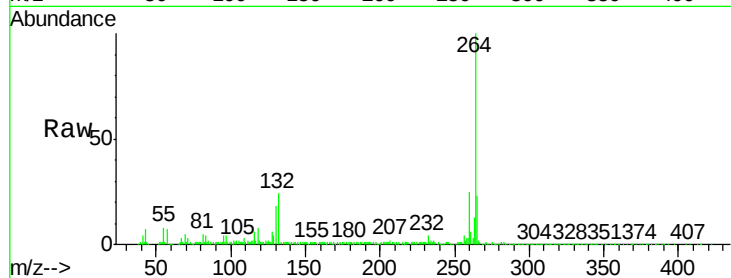




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF102831.D
Acq: 7 Feb 2018 23:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.9	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

