

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103831.D
 Acq On : 21 Mar 2018 5:09
 Operator : JU/SJ
 Sample : J1973-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 06:50:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	166431	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	664366	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	293298	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	464056	20.00	ng	0.00
75) Chrysene-d12	14.16	240	327313	20.00	ng	0.00
86) Perylene-d12	15.70	264	271336	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	147512	13.48	ng	0.00
7) Phenol-d6	6.58	99	116593	8.71	ng	0.00
23) Nitrobenzene-d5	7.53	82	463864	48.69	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	72598	28.79	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	801146	43.57	ng	0.00
78) Terphenyl-d14	13.09	244	637413	45.20	ng	0.00

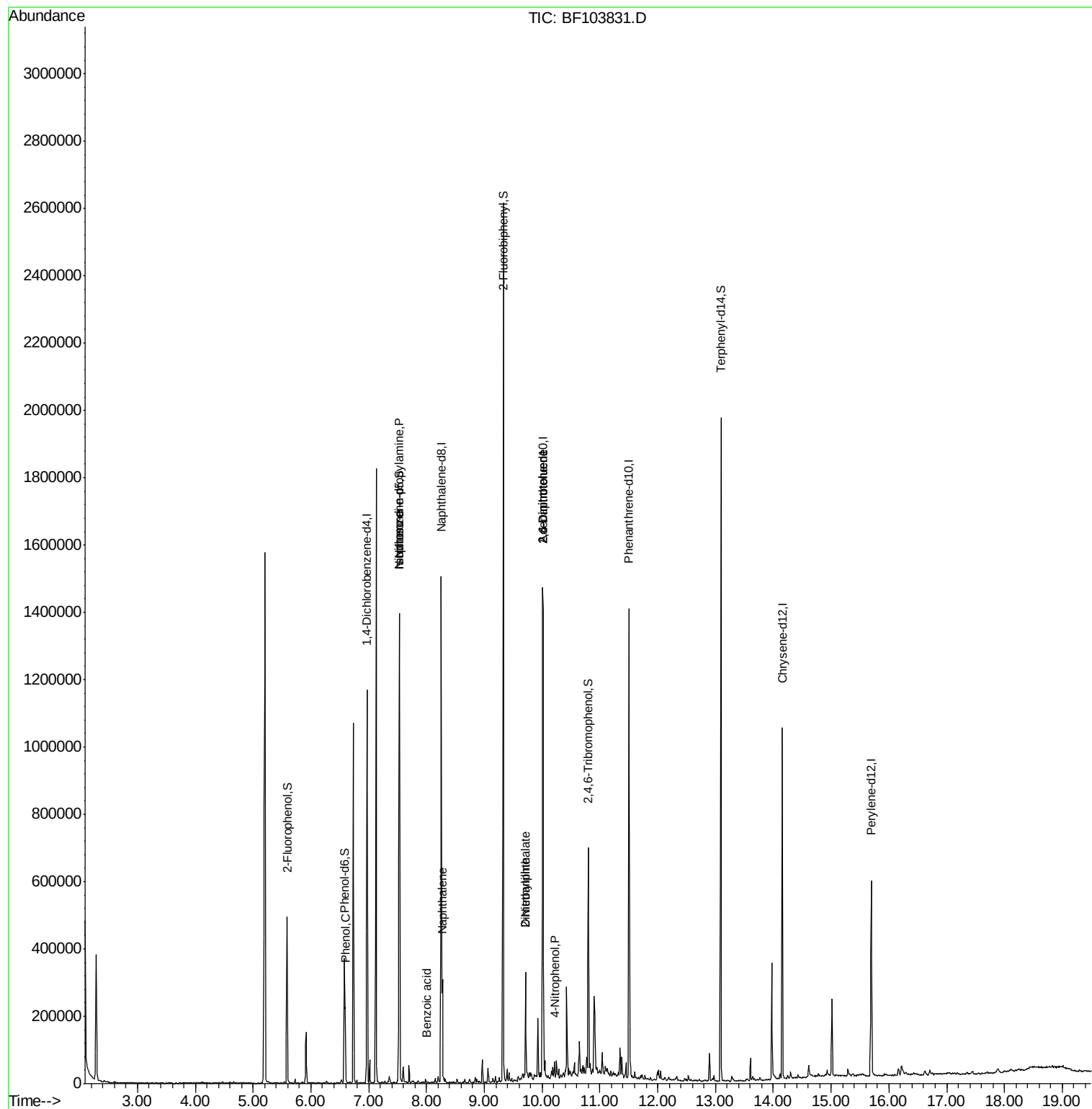
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.59	94	58799	4.133	ng	96
19) n-Nitroso-di-n-propylamine	7.53	70	60114	7.007	ng	# 73
25) Isophorone	7.53	82	463858	21.033	ng	# 64
31) Naphthalene	8.27	128	110900	3.305	ng	98
32) Benzoic acid	8.00	122	269	9.937	ng	# 1
47) 2-Nitroaniline	9.72	65	1036	6.989	ng	# 1
49) Dimethylphthalate	9.72	163	92037	4.113	ng	100
50) 2,6-Dinitrotoluene	10.01	165	37363	11.899	ng	# 25
55) 4-Nitrophenol	10.22	139	3409	5.750	ng	# 13
56) 2,4-Dinitrotoluene	10.01	165	37363	12.145	ng	# 23

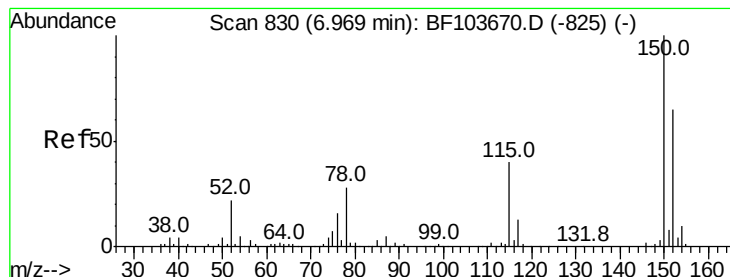
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampleId :

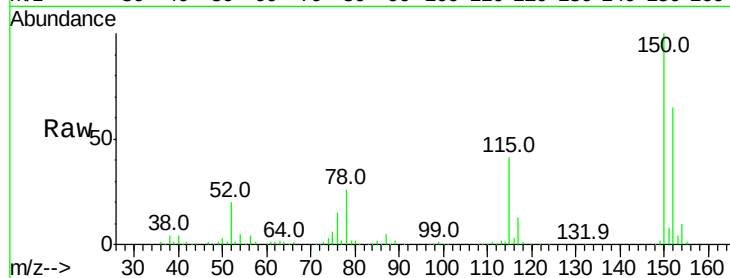
Tot Ion:152 Resp: 166431

Ion Ratio Lower Upper

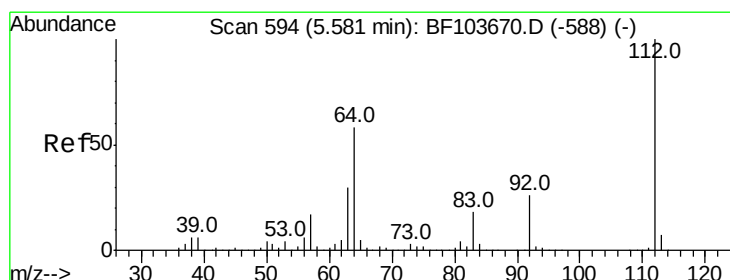
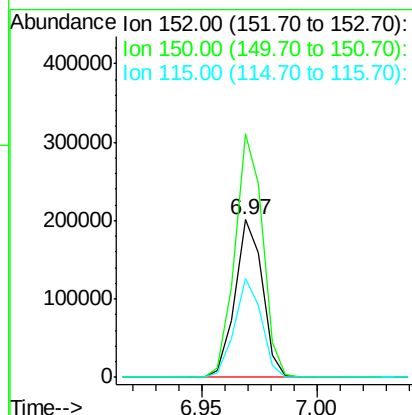
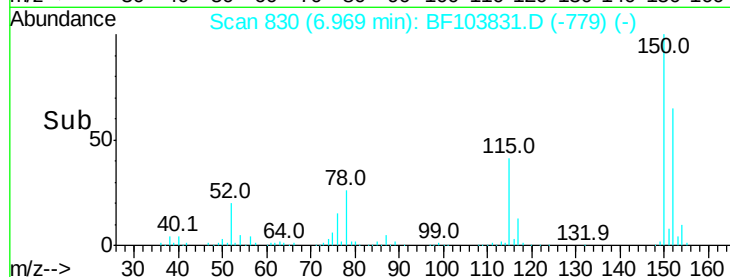
152 100

150 154.7 124.6 186.8

115 62.8 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: 13.481 ng

RT: 5.59 min Scan# 595

Delta R.T. 0.01 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

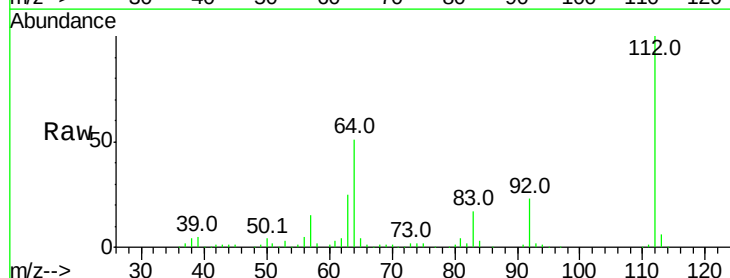
Tgt Ion:112 Resp: 147512

Ion Ratio Lower Upper

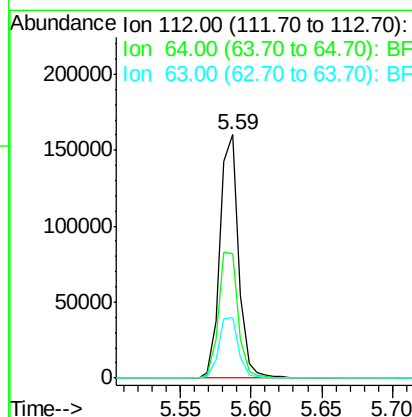
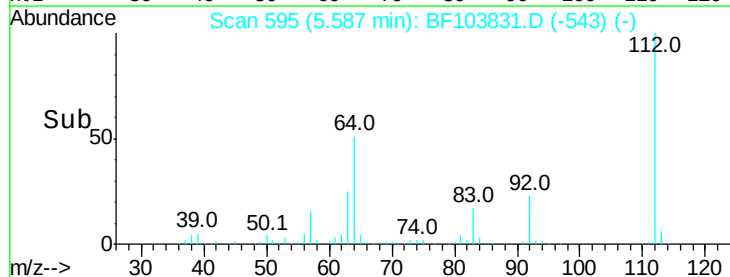
112 100

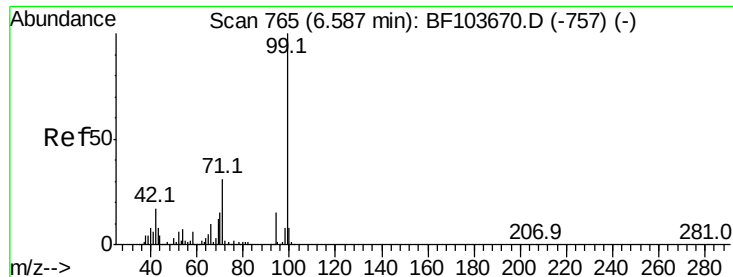
64 51.4 47.9 71.9

63 25.1 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: 8.709 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampleId :

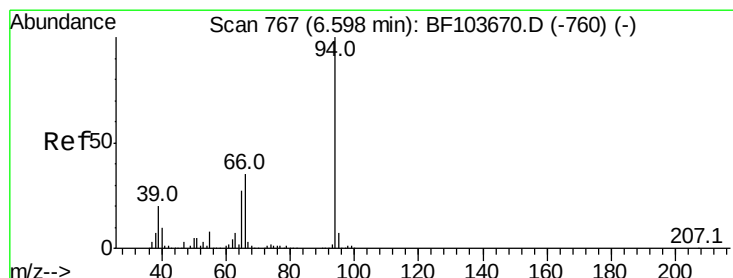
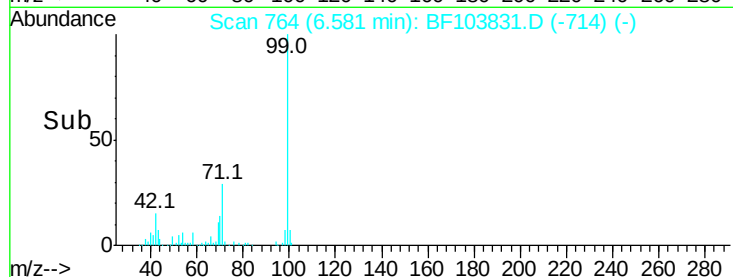
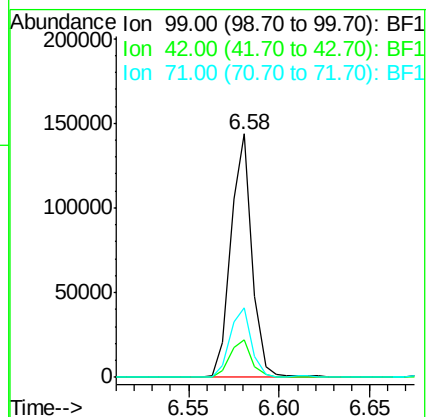
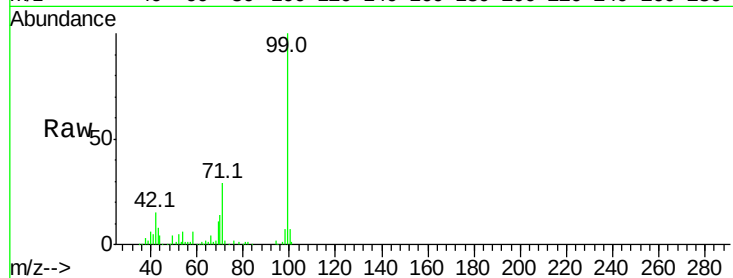
Tot Ion: 99 Resp: 116593

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 28.8 25.4 38.0



#10

Phenol

Concen: 4.133 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

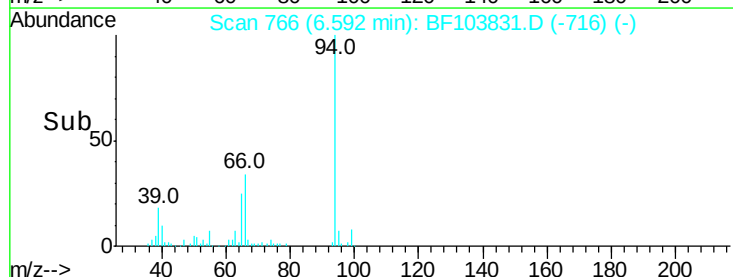
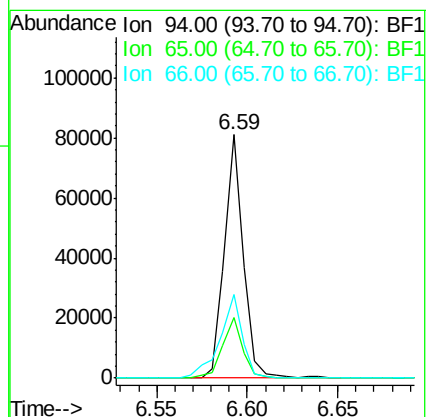
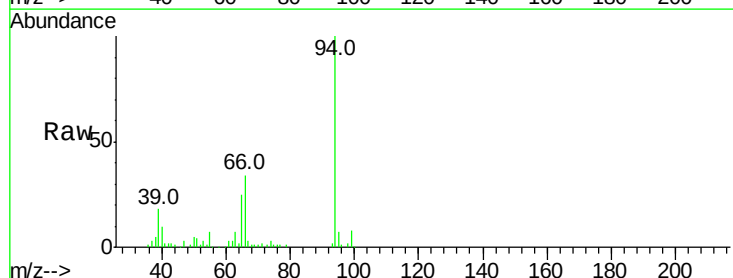
Tgt Ion: 94 Resp: 58799

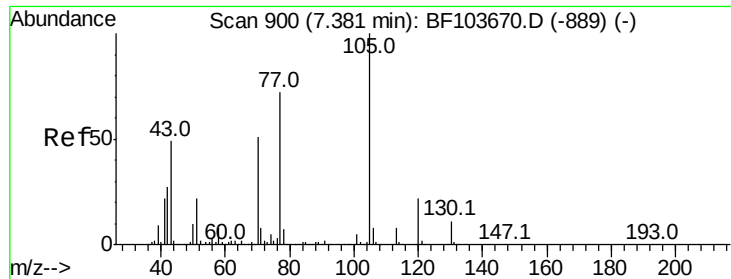
Ion Ratio Lower Upper

94 100

65 24.9 7.9 47.9

66 34.2 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 7.007 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 60114

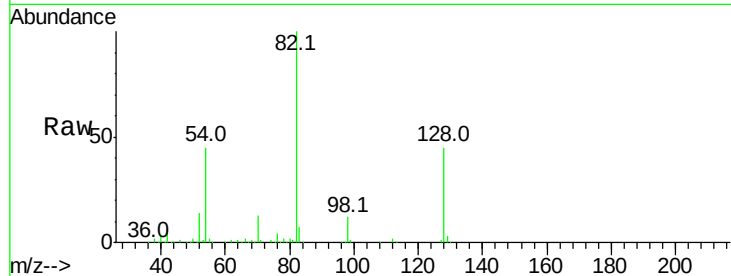
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

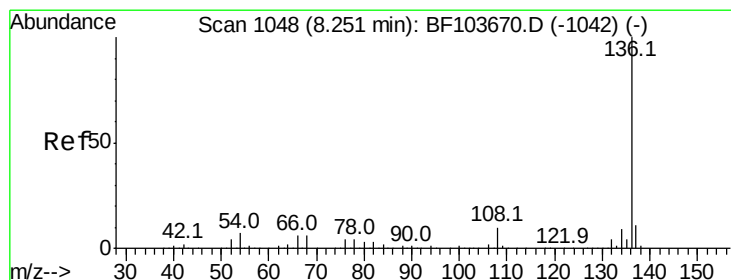
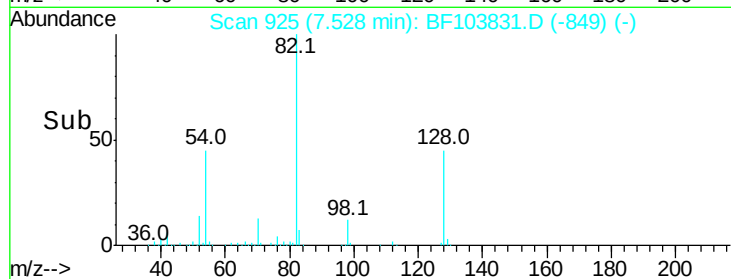
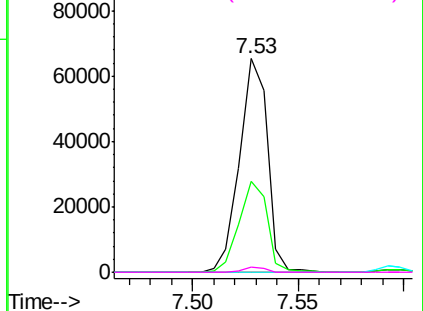


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Tgt Ion: 136 Resp: 664366

Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 7.8 6.6 9.8

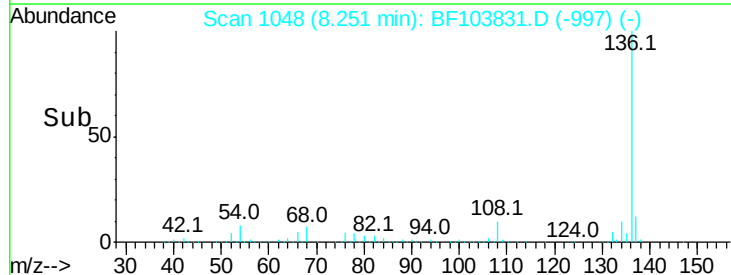
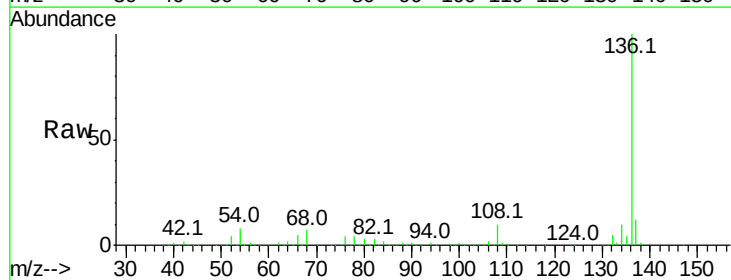
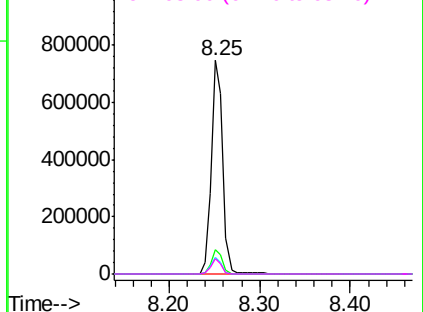
68 7.0 5.0 7.4

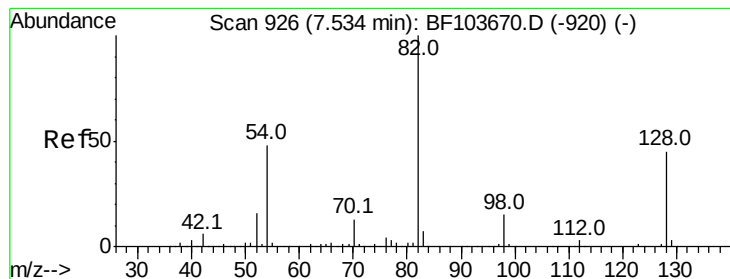
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 48.690 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF103831.D

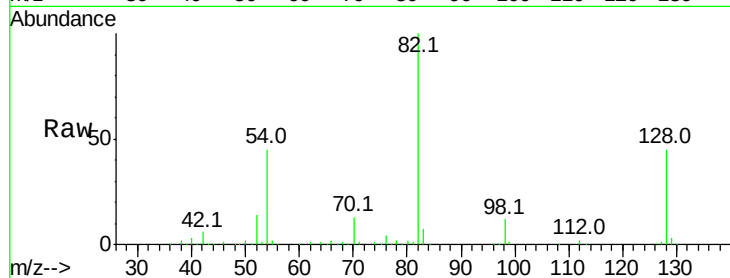
Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampleId :

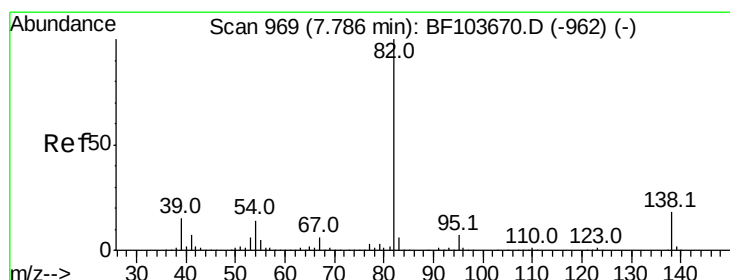
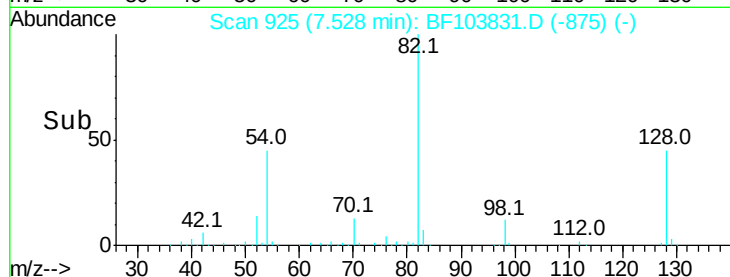
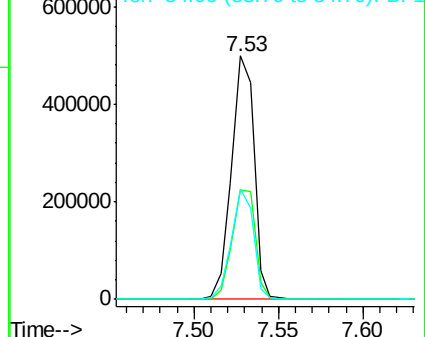
Tot Ion:	82	Resp:	463864
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.1	54.1
54	45.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 21.033 ng

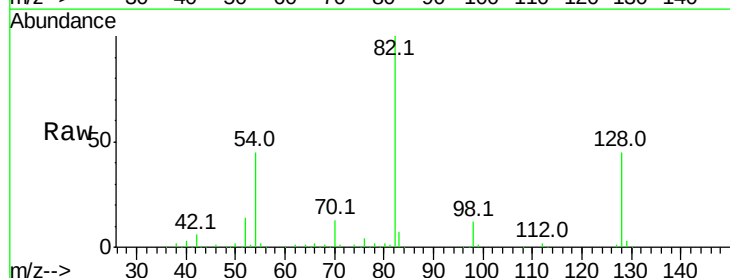
RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

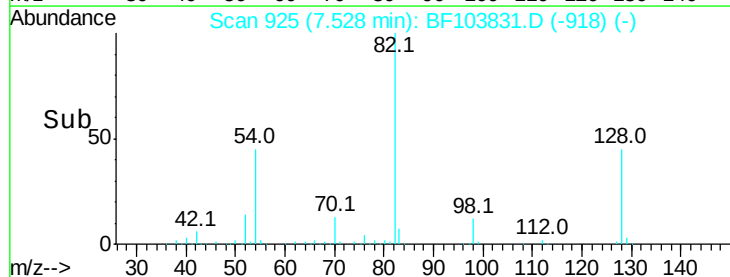
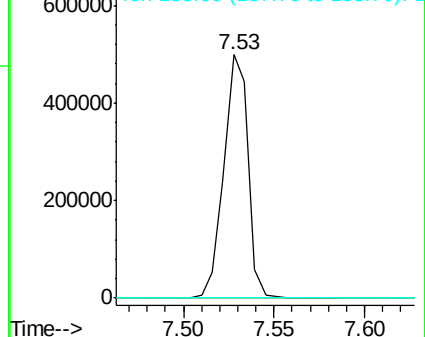
Tgt Ion:	82	Resp:	463858
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

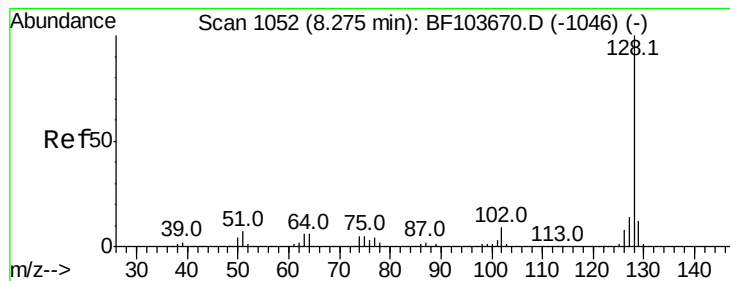


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 3.305 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampleId :

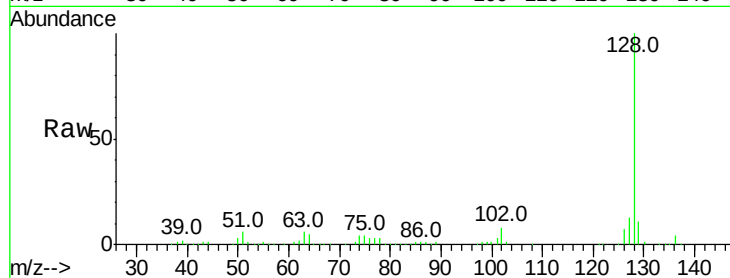
Tot Ion:128 Resp: 110900

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

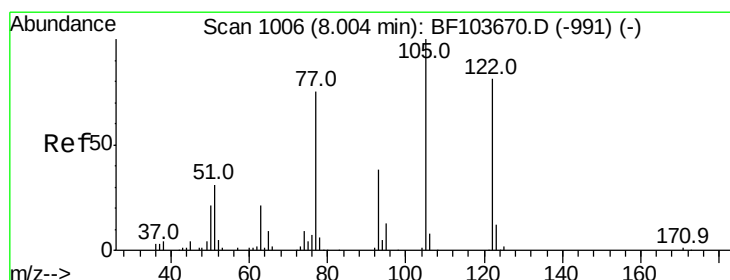
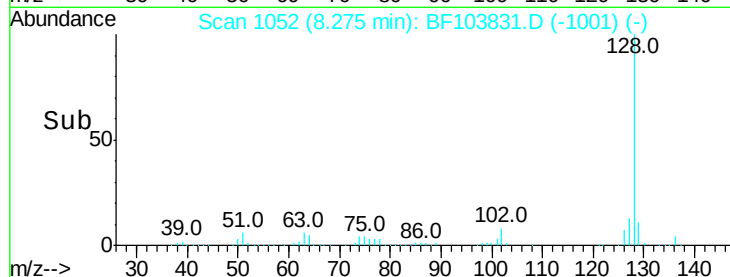
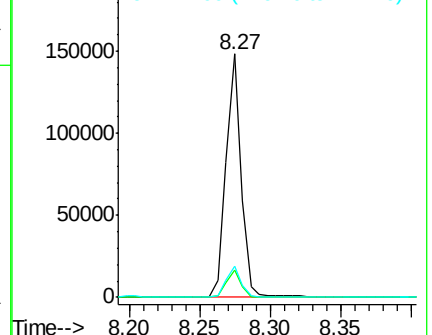
127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.937 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

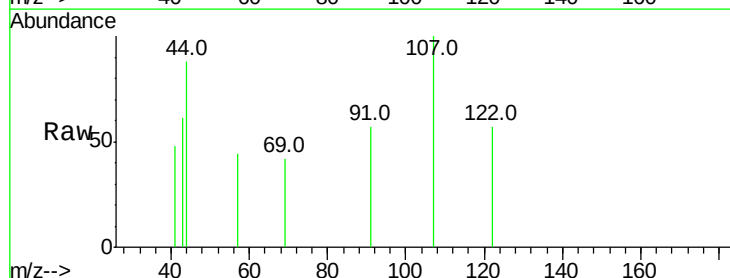
Tgt Ion:122 Resp: 269

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

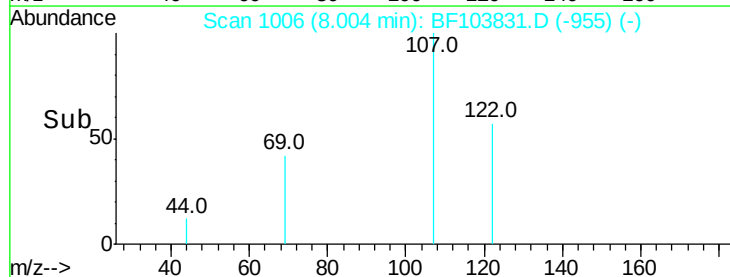
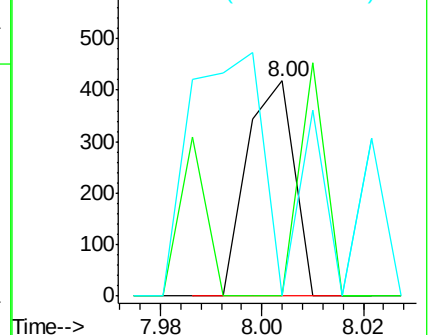
77 0.0 70.7 110.7#

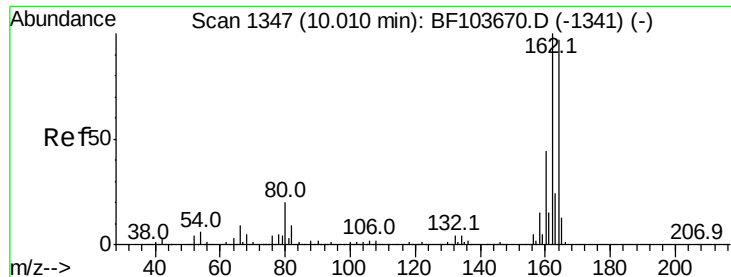


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

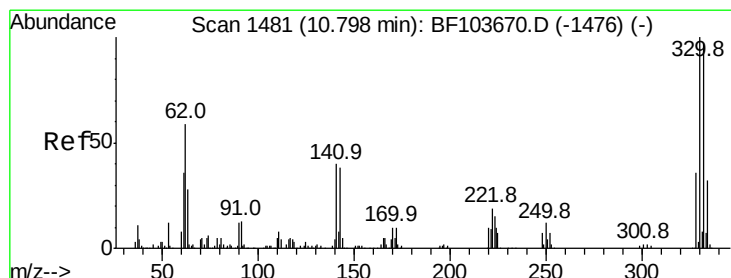
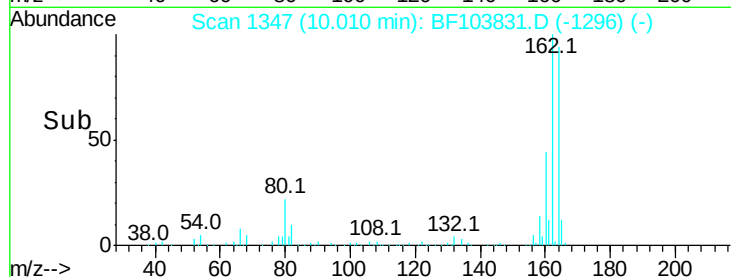
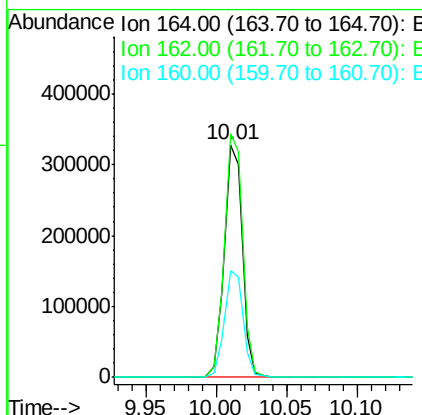
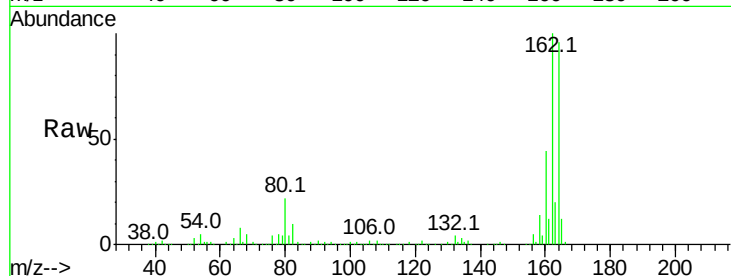




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

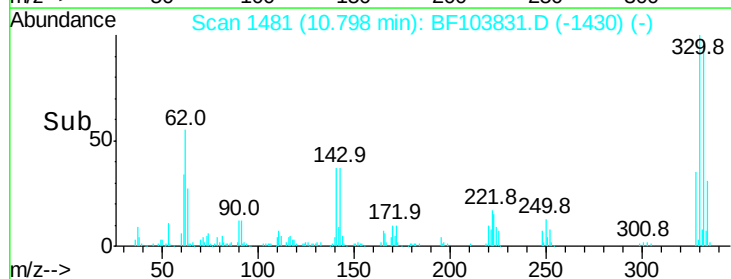
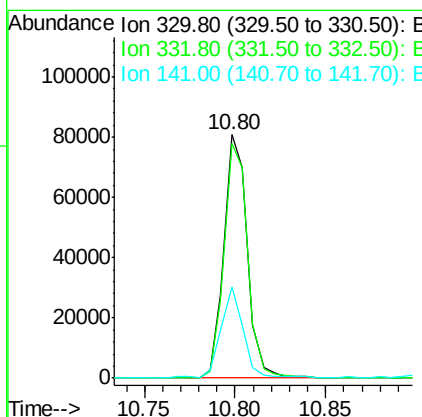
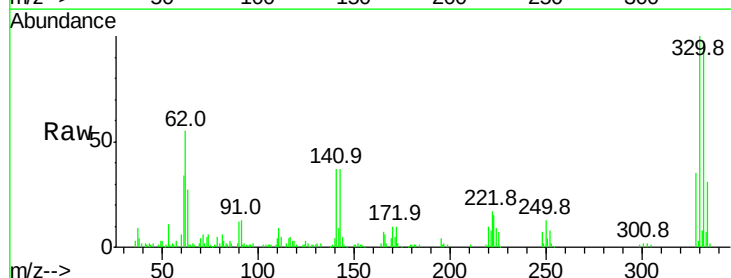
Instrument :
 BNA_F
 ClientSampleId :

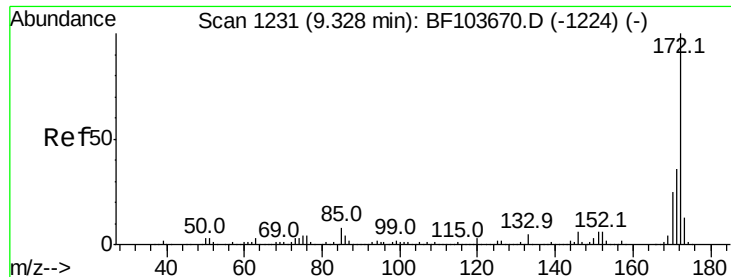
Tot Ion:164 Resp: 293298
 Ion Ratio Lower Upper
 164 100
 162 104.7 86.1 129.1
 160 45.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 28.788 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Tgt Ion:330 Resp: 72598
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 36.3 29.9 44.9

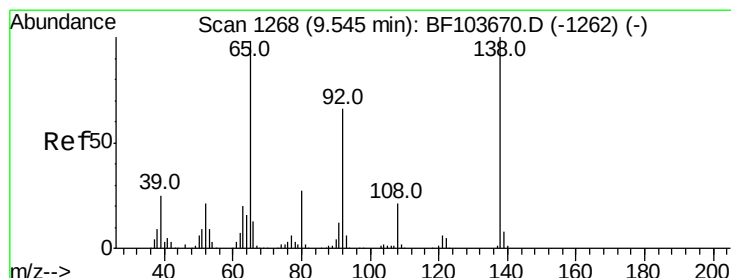
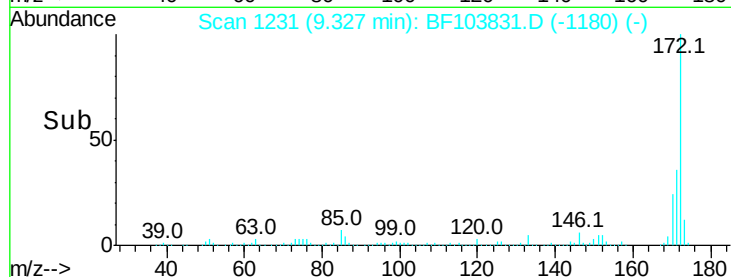
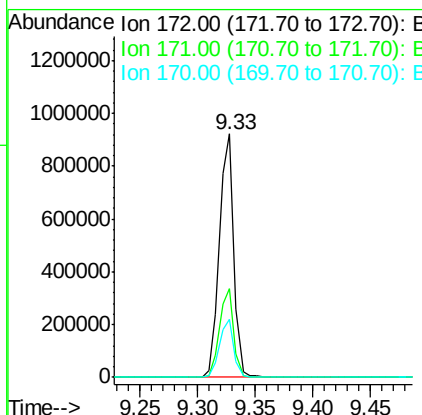
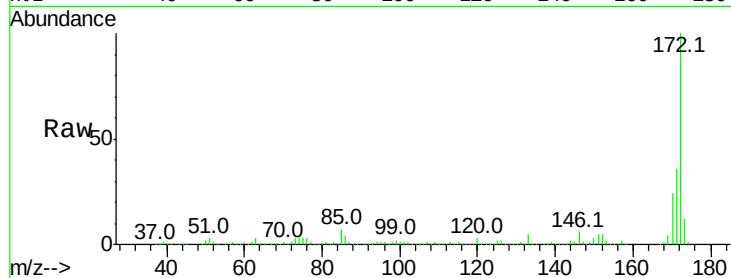




#44
 2-Fluorobiphenyl
 Concen: 43.572 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

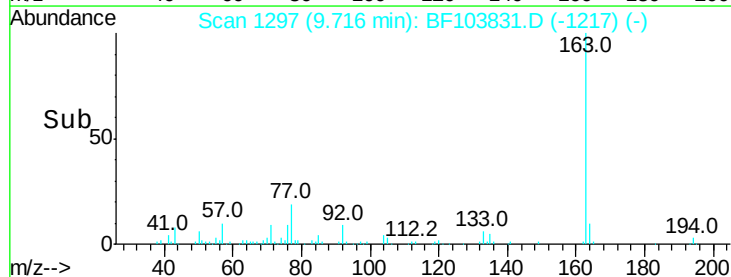
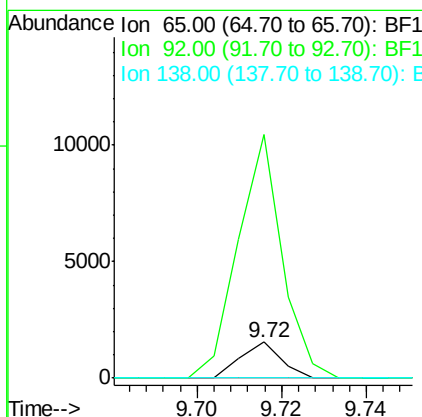
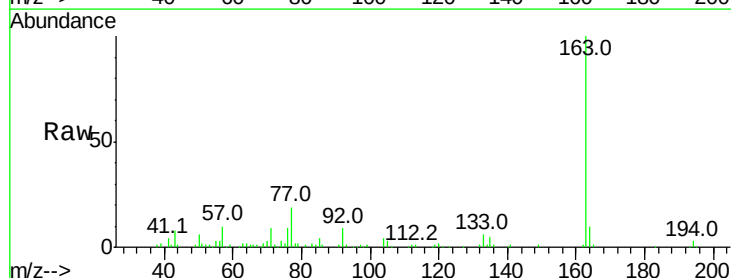
Instrument :
 BNA_F
 ClientSampleId :

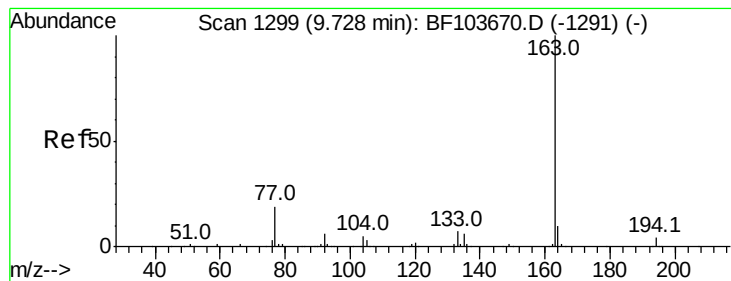
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4



#47
 2-Nitroaniline
 Concen: 6.989 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Tgt Ion	Ratio	Lower	Upper
65	100		
92	675.1	55.8	83.6#
138	0.0	91.2	136.8#





#49

Dimethylphthalate

Concen: 4.113 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

Instrument :

BNA_F

ClientSampleId :

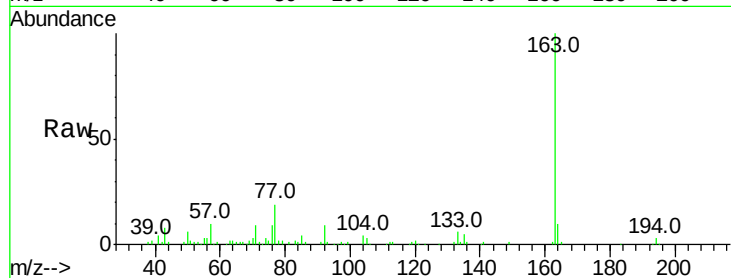
Tot Ion:163 Resp: 92037

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

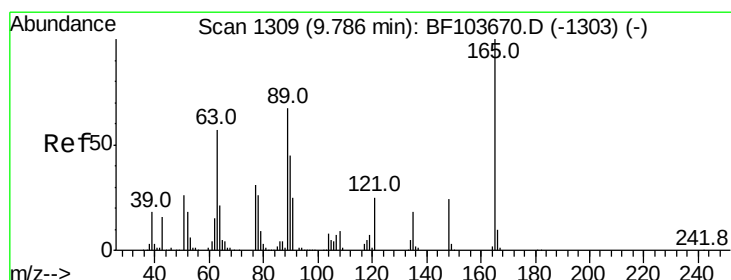
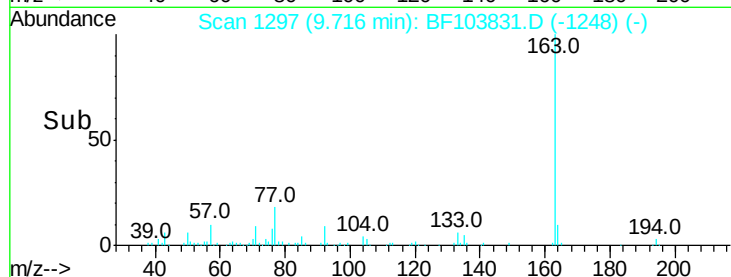
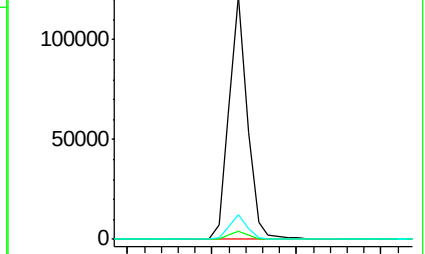
164 10.3 8.2 12.2



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: 11.899 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103831.D

Acq: 21 Mar 2018 5:09

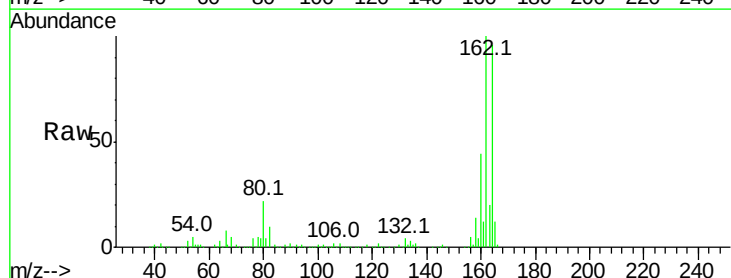
Tgt Ion:165 Resp: 37363

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

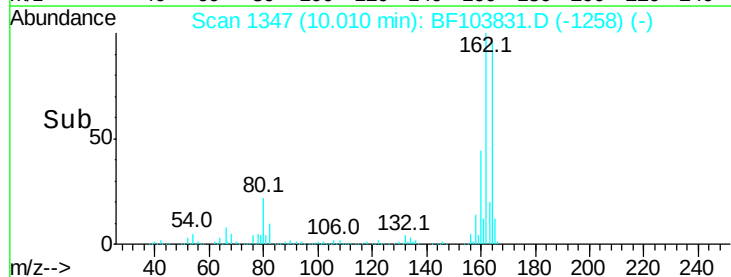
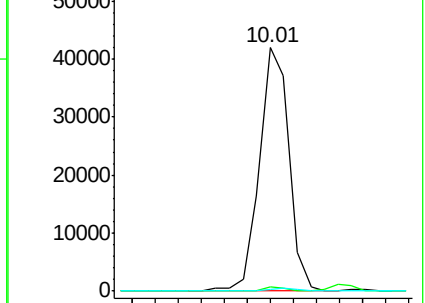
89 0.9 44.0 66.0#

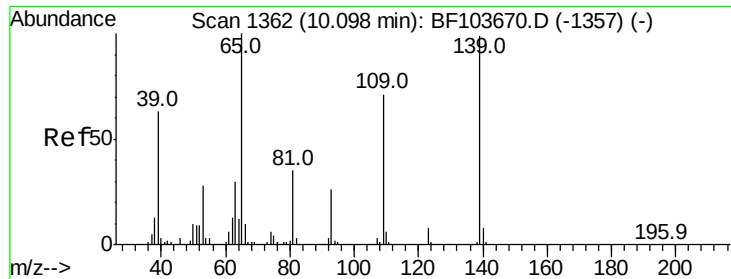


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

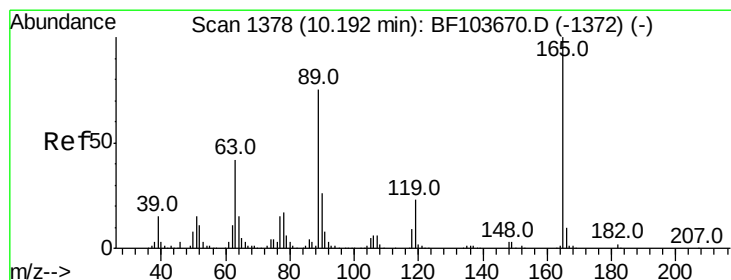
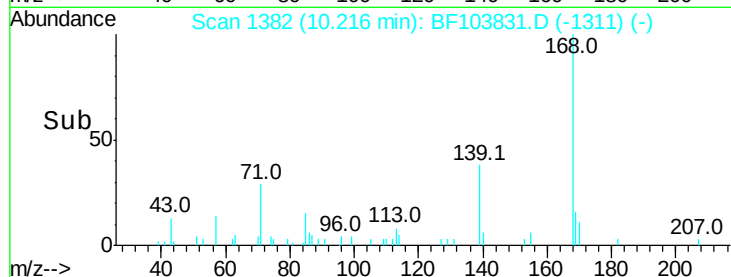
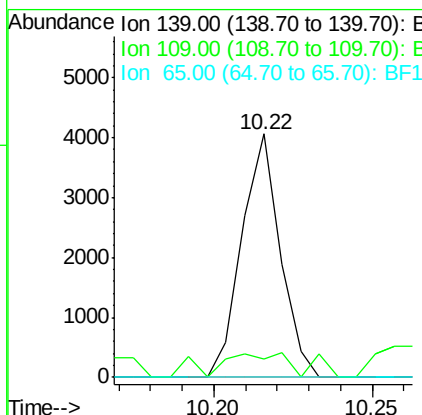
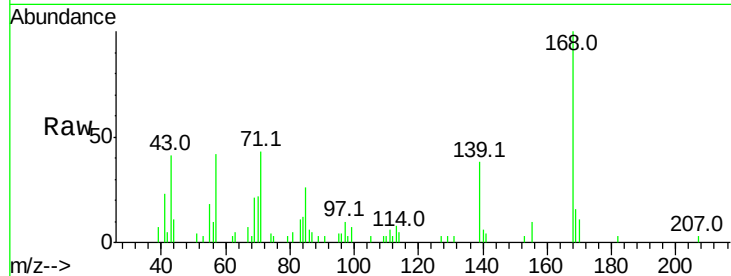




#55
4-Nitrophenol
Concen: 5.750 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103831.D
Acq: 21 Mar 2018 5:09

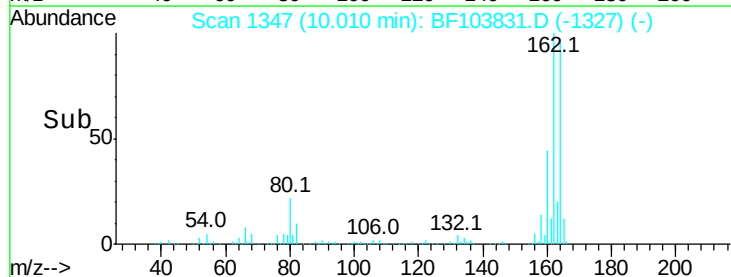
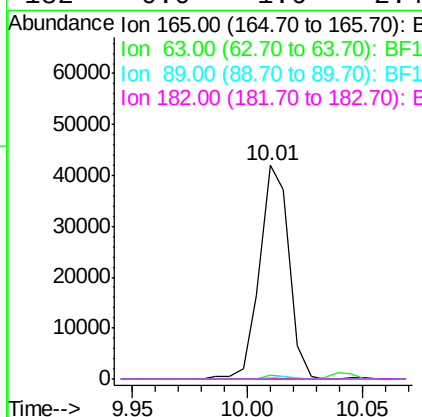
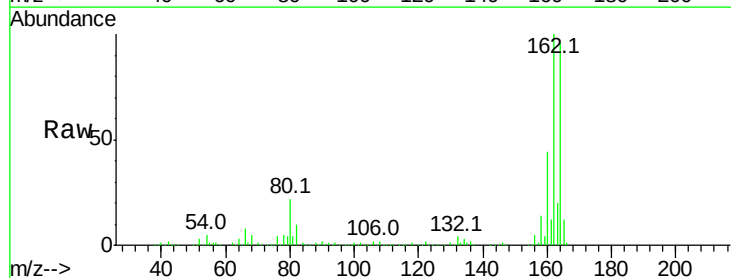
Instrument :
BNA_F
ClientSampled :

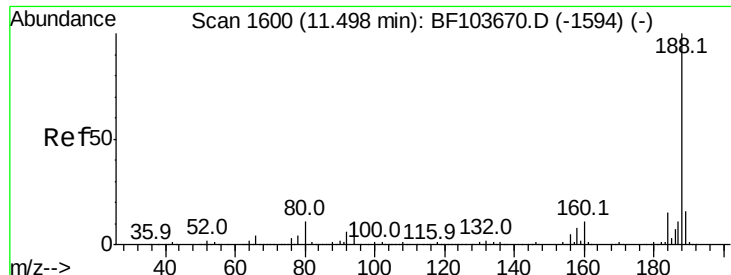
Tot Ion:139 Resp: 3409
Ion Ratio Lower Upper
139 100
109 7.7 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.145 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103831.D
Acq: 21 Mar 2018 5:09

Tgt Ion:165 Resp: 37363
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 0.9 57.8 86.6#
182 0.0 1.6 2.4#

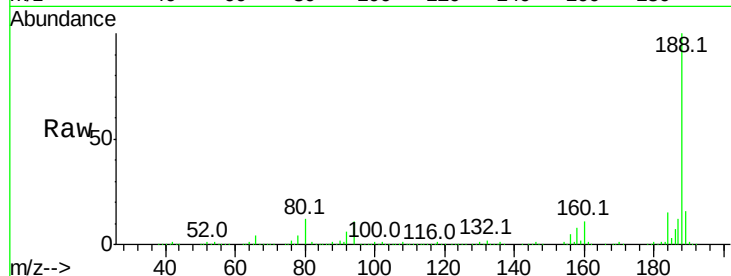




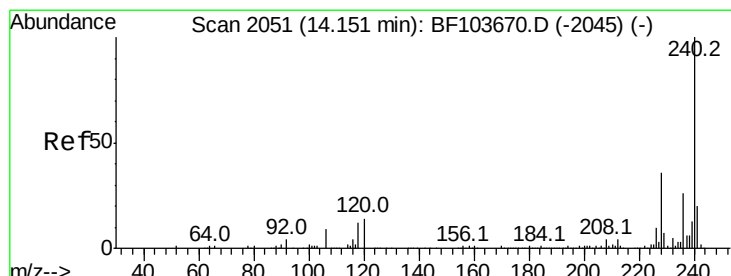
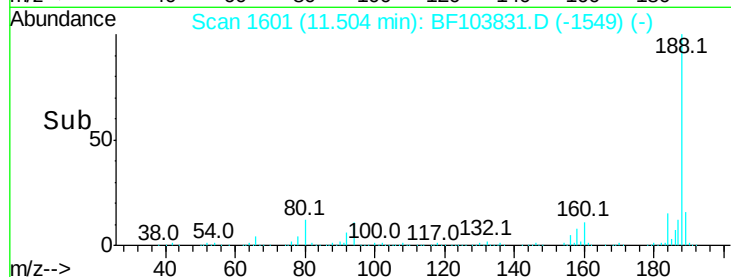
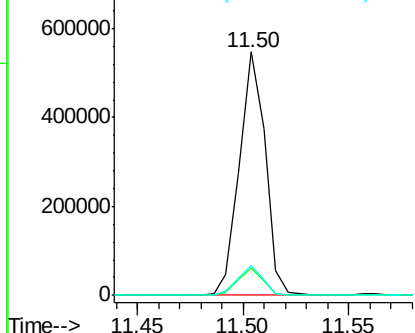
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 464056
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.4 9.2 13.8

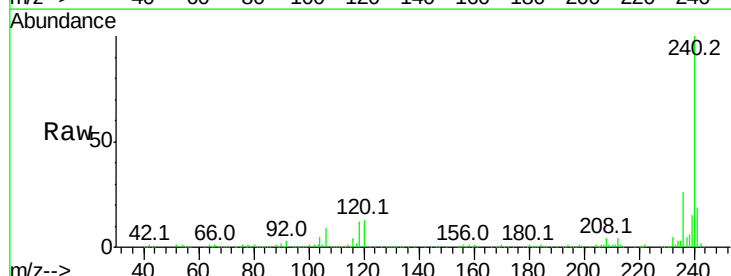


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

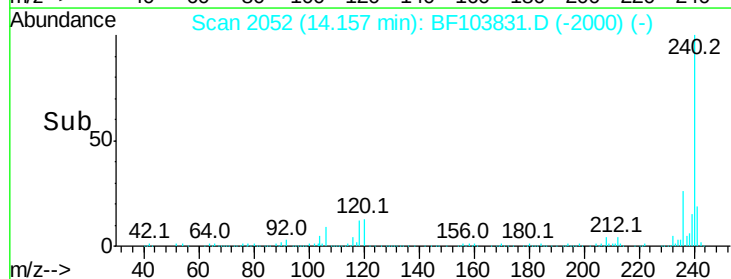
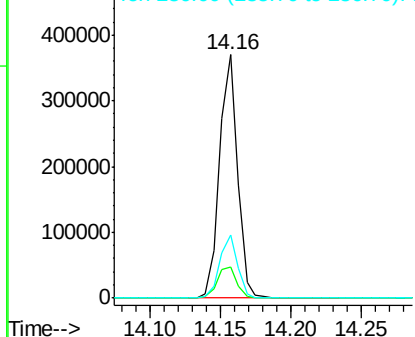


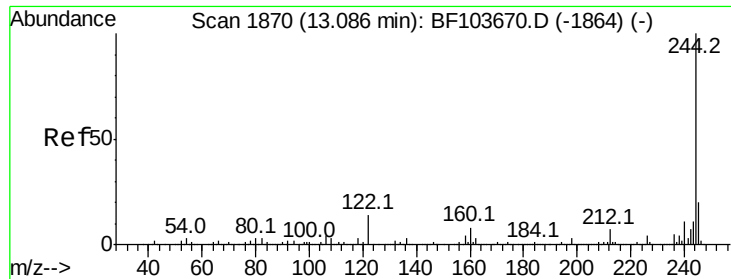
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.01 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Tgt Ion:240 Resp: 327313
 Ion Ratio Lower Upper
 240 100
 120 12.9 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

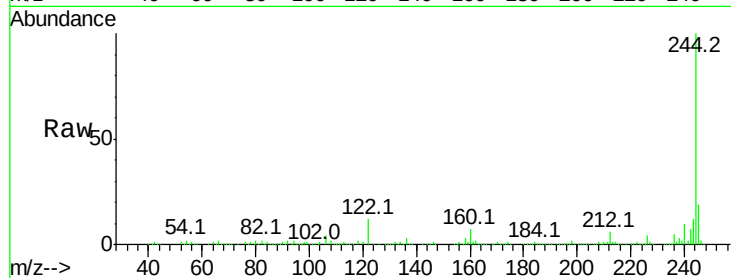




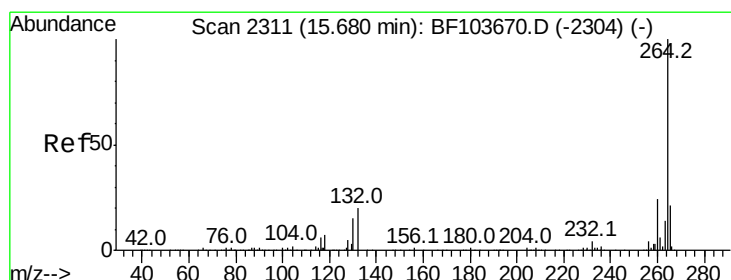
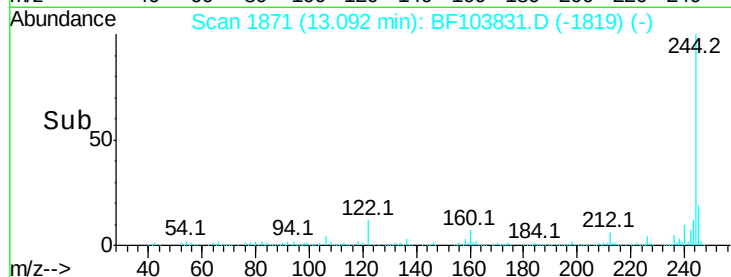
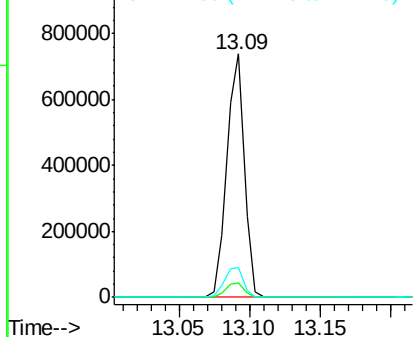
#78
 Terphenyl-d14
 Concen: 45.202 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 637413
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 12.2 11.0 16.4

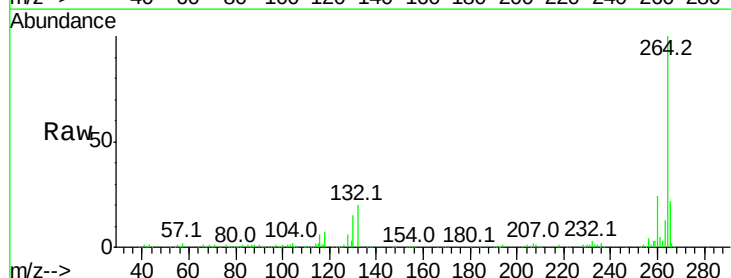


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. 0.02 min
 Lab File: BF103831.D
 Acq: 21 Mar 2018 5:09

Tgt Ion:264 Resp: 271336
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.0 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

