

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103829.D
 Acq On : 21 Mar 2018 4:17
 Operator : JU/SJ
 Sample : J1973-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 06:49:48 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

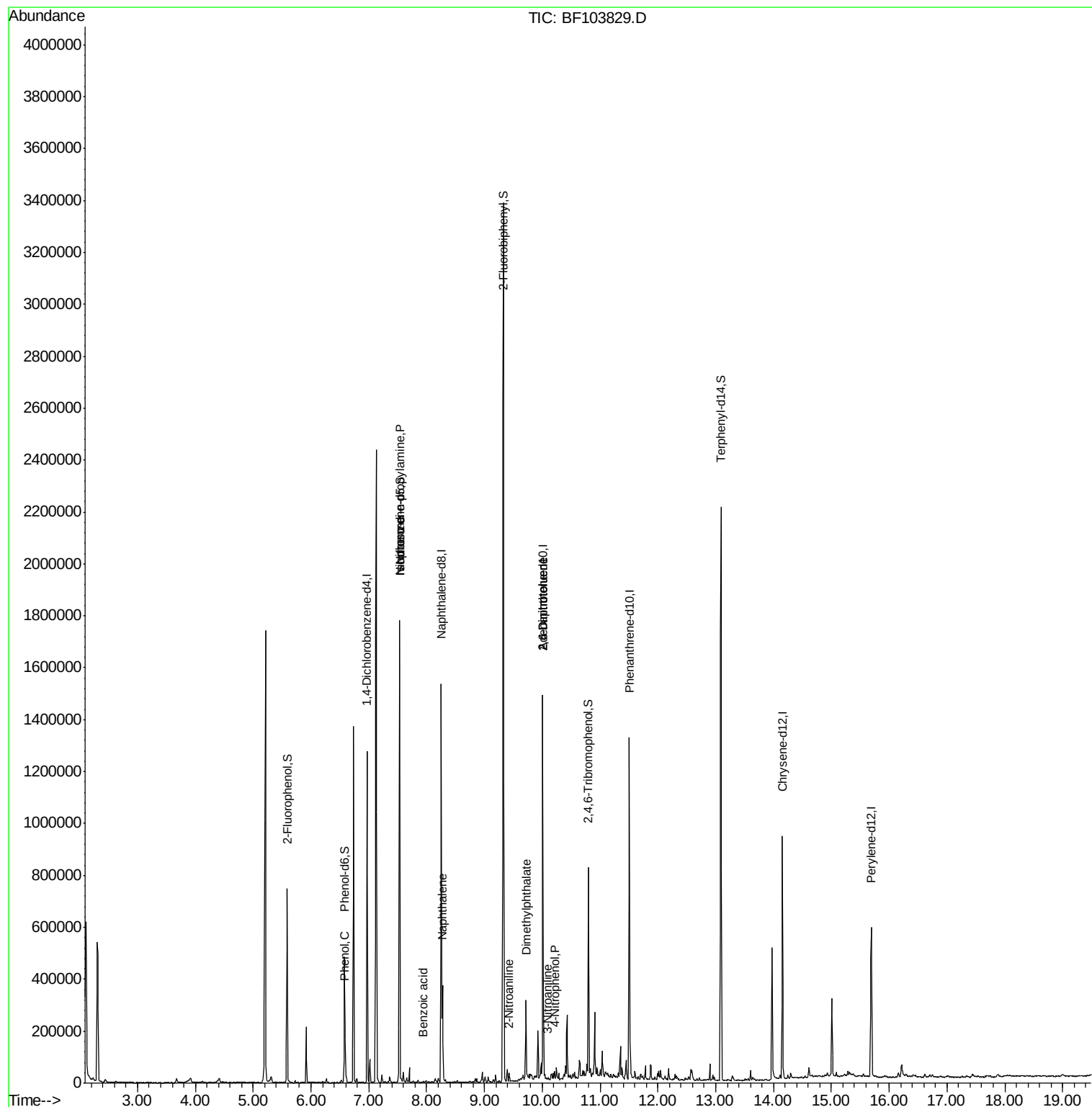
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	176492	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	682994	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	289903	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	439416	20.00	ng	0.00
75) Chrysene-d12	14.16	240	306933	20.00	ng	0.00
86) Perylene-d12	15.69	264	253431	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	199052	17.15	ng	0.00
7) Phenol-d6	6.58	99	156853	11.05	ng	0.00
23) Nitrobenzene-d5	7.53	82	597028	60.96	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	87839	35.24	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1017771	56.00	ng	0.00
78) Terphenyl-d14	13.09	244	695153	52.57	ng	0.00
Target Compounds						
10) Phenol	6.59	94	41691	2.764	ng	93
19) n-Nitroso-di-n-propylamine	7.53	70	77792	8.550	ng	# 72
25) Isophorone	7.53	82	597022	26.332	ng	# 64
31) Naphthalene	8.27	128	142767	4.138	ng	98
32) Benzoic acid	7.95	122	224	9.931	ng	# 49
47) 2-Nitroaniline	9.43	65	128	6.836	ng	# 2
49) Dimethylphthalate	9.72	163	99680	4.507	ng	99
50) 2,6-Dinitrotoluene	10.01	165	37859	12.098	ng	# 25
52) 3-Nitroaniline	10.10	138	250	3.859	ng	# 2
55) 4-Nitrophenol	10.22	139	1556	5.330	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	37859	12.294	ng	# 23

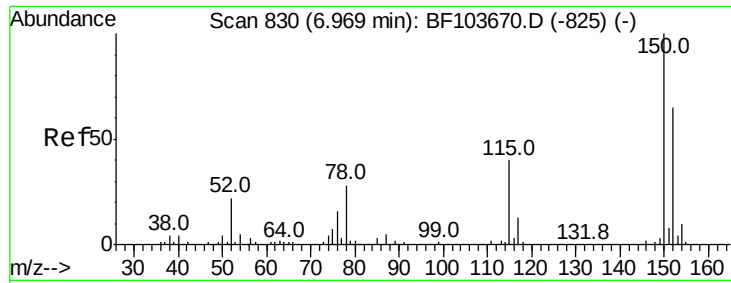
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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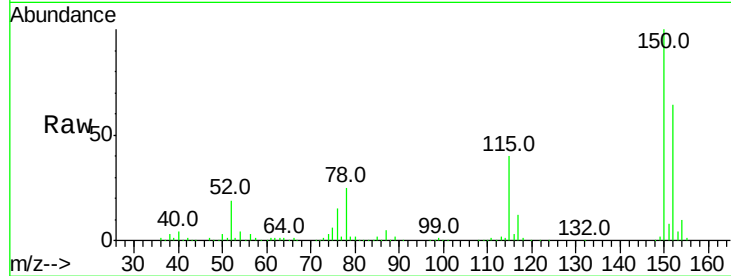


#1

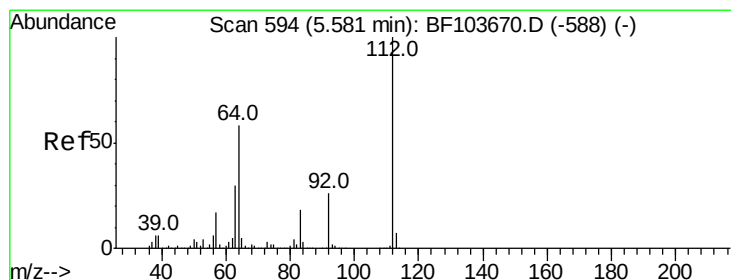
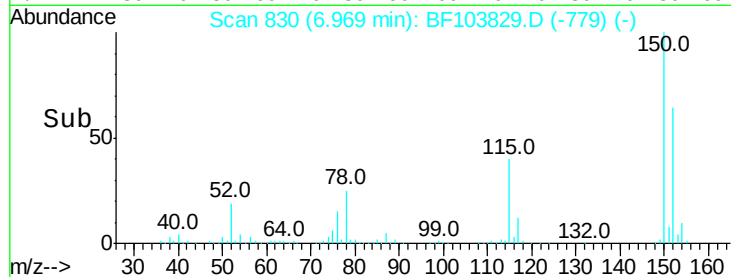
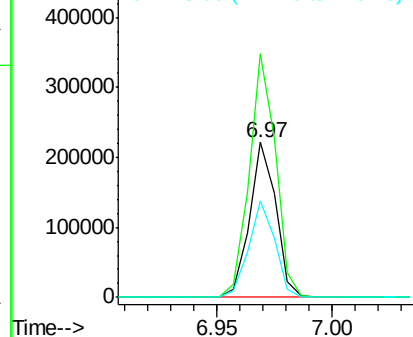
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103829.D
Acq: 21 Mar 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176492
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 62.4 50.1 75.1



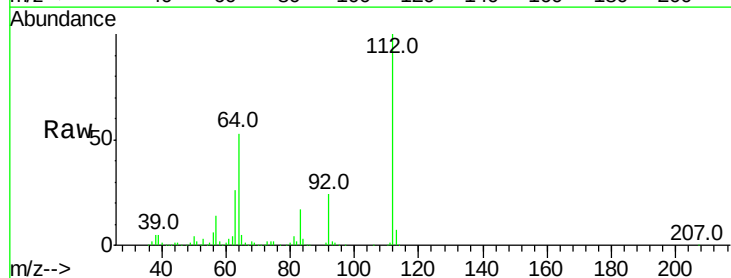
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



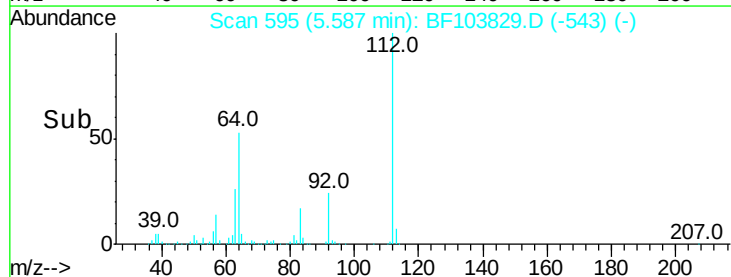
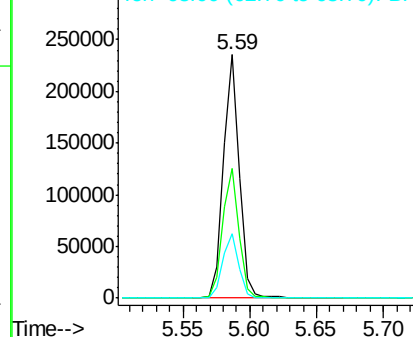
#5

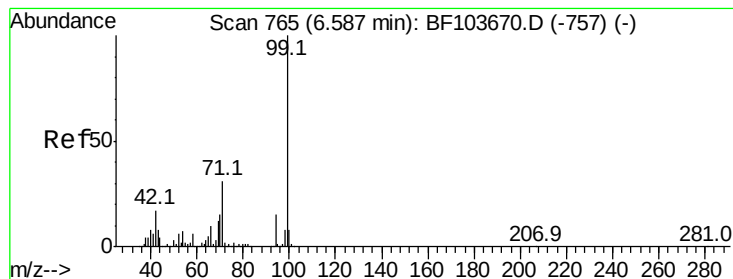
2-Fluorophenol
Concen: 17.154 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103829.D
Acq: 21 Mar 2018 4:17

Tgt Ion:112 Resp: 199052
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 26.3 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: 11.049 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

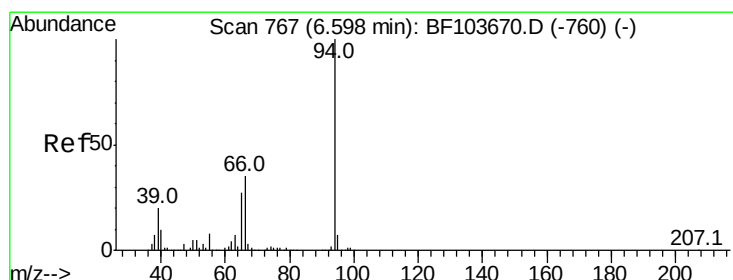
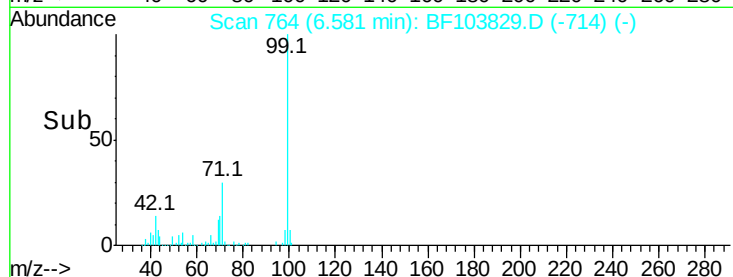
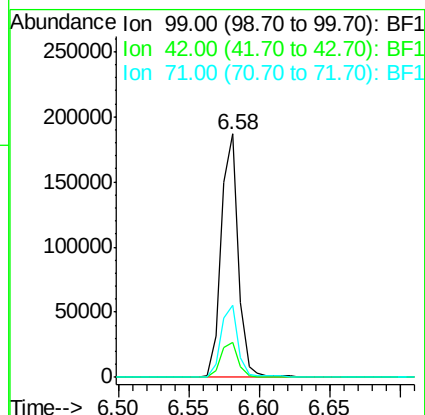
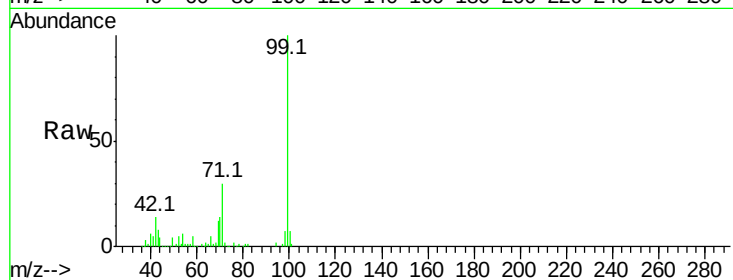
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 156853

Ion	Ratio	Lower	Upper
99	100		
42	14.4	14.5	21.7#
71	29.5	25.4	38.0



#10

Phenol

Concen: 2.764 ng

RT: 6.59 min Scan# 766

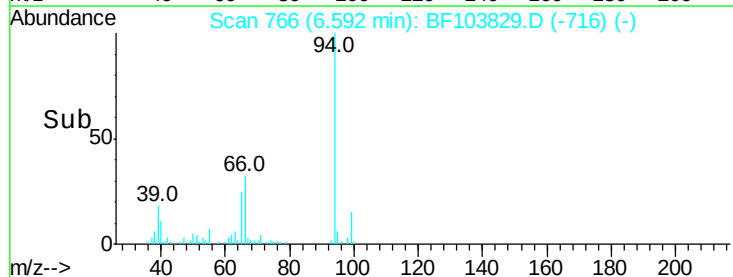
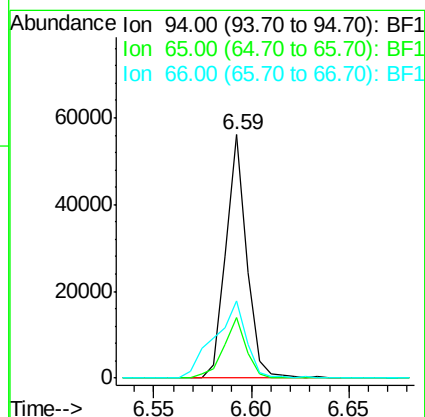
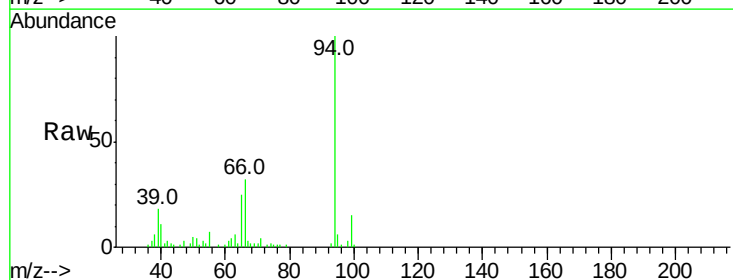
Delta R.T. -0.01 min

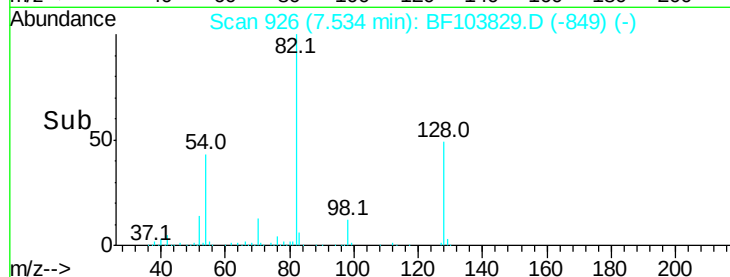
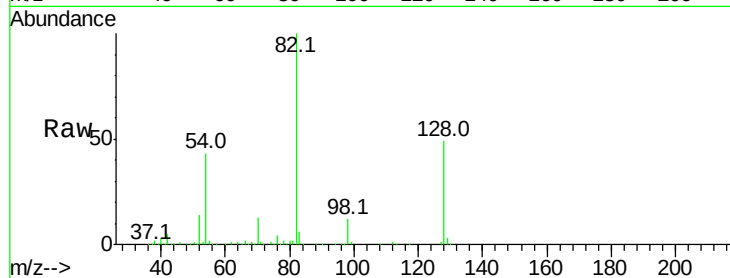
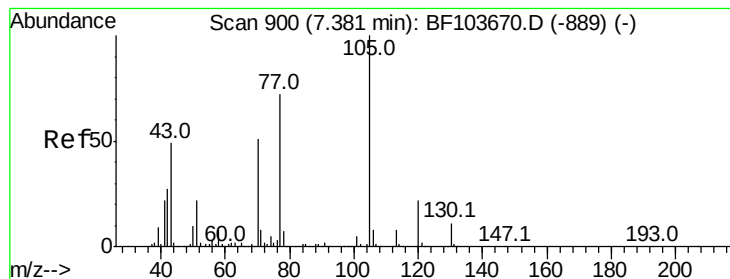
Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Tgt Ion: 94 Resp: 41691

Ion	Ratio	Lower	Upper
94	100		
65	24.9	7.9	47.9
66	31.6	16.2	56.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.550 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 77792

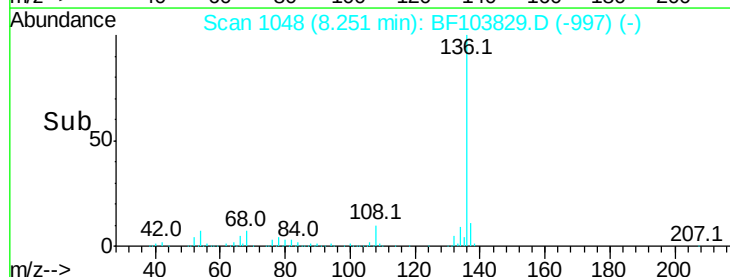
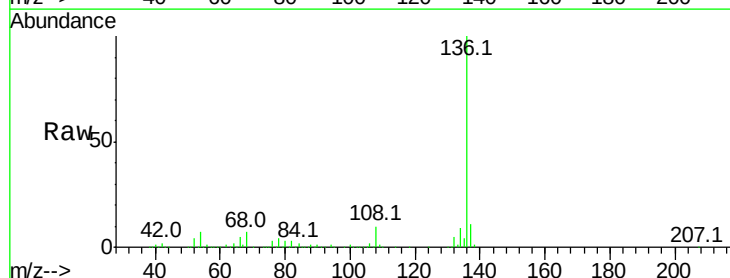
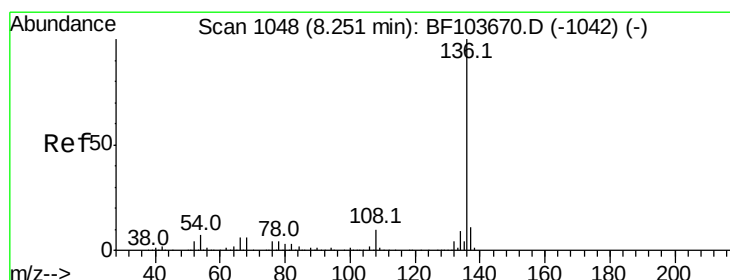
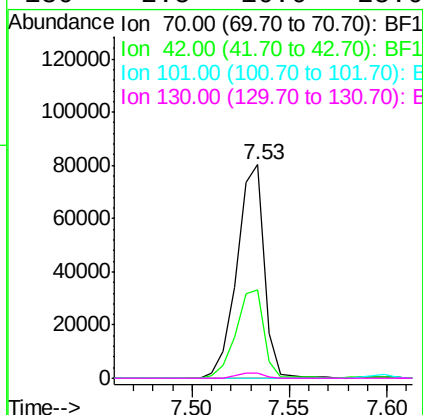
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Tgt Ion: 136 Resp: 682994

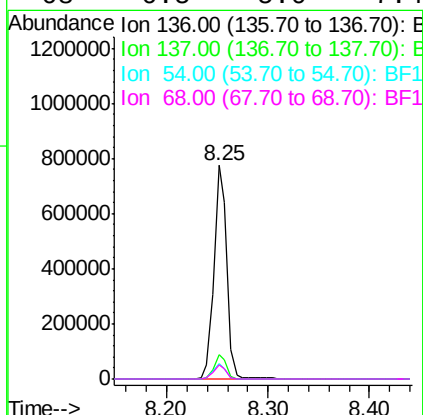
Ion Ratio Lower Upper

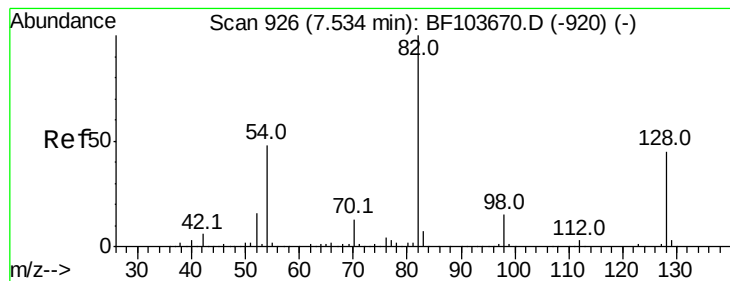
136 100

137 11.3 8.9 13.3

54 7.4 6.6 9.8

68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 60.958 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

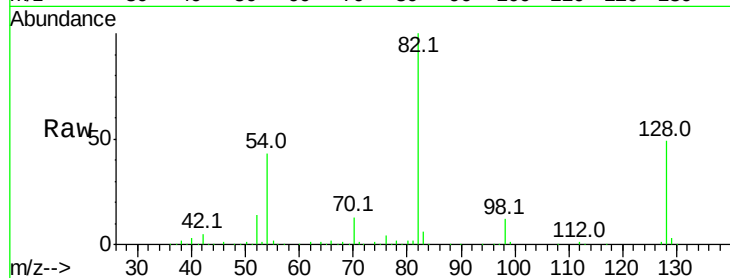
Tot Ion: 82 Resp: 597028

Ion Ratio Lower Upper

82 100

128 49.0 36.1 54.1

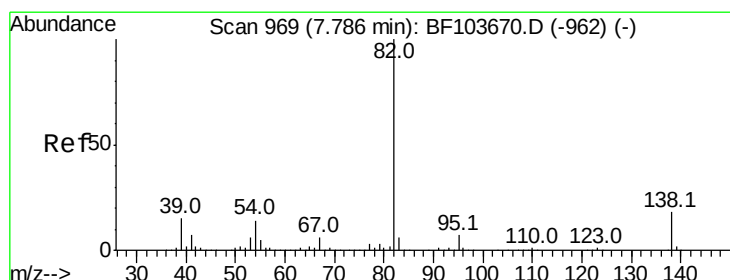
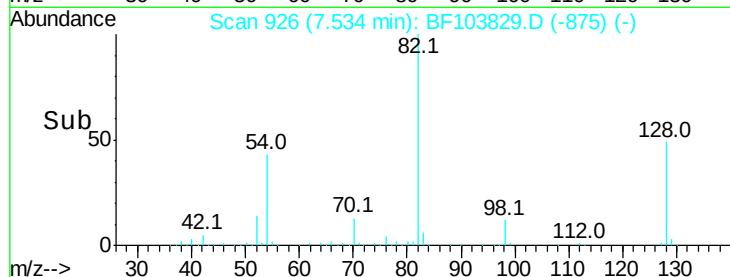
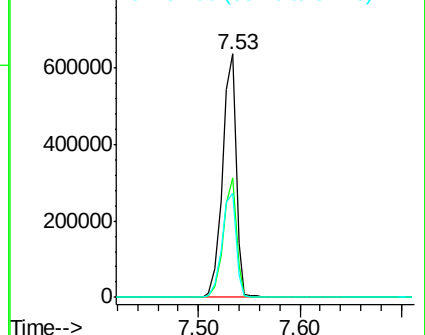
54 42.6 41.4 62.2



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: 26.332 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

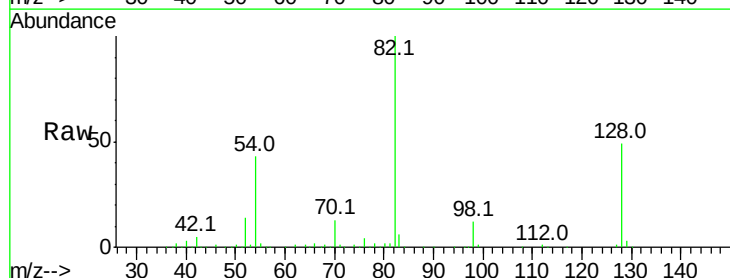
Tgt Ion: 82 Resp: 597022

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

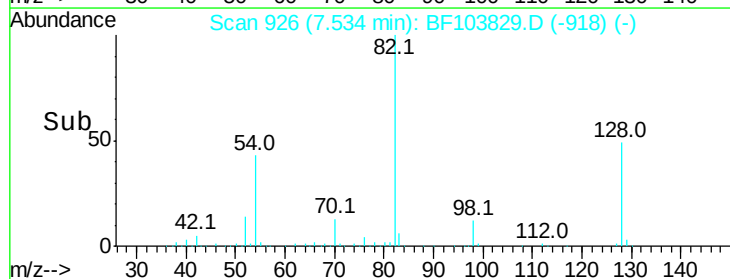
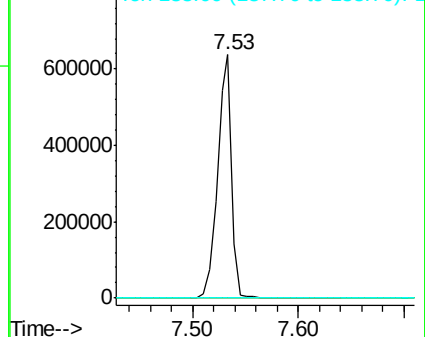
138 0.0 14.9 22.3#

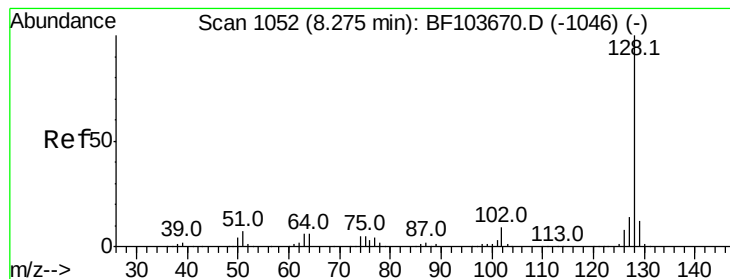


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 4.138 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

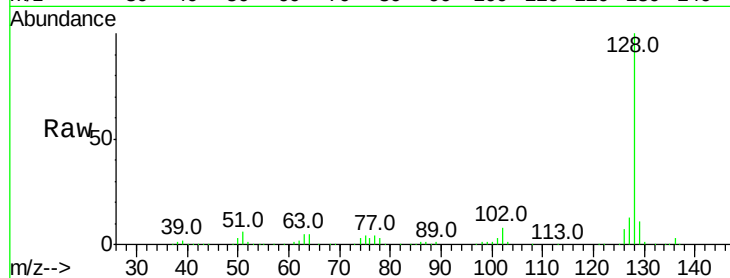
Tot Ion:128 Resp: 142767

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

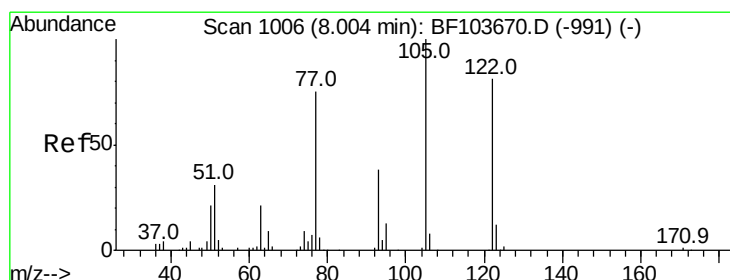
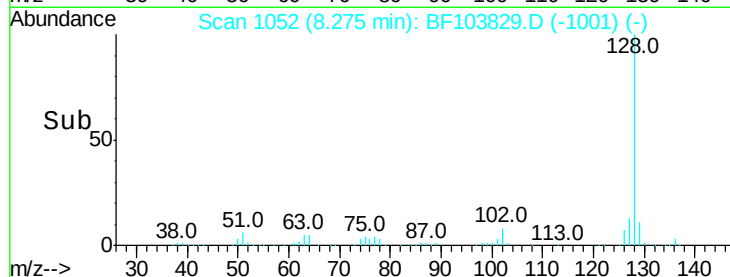
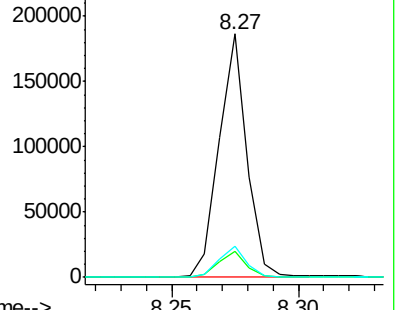
127 12.8 10.9 16.3



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: 9.931 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.06 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

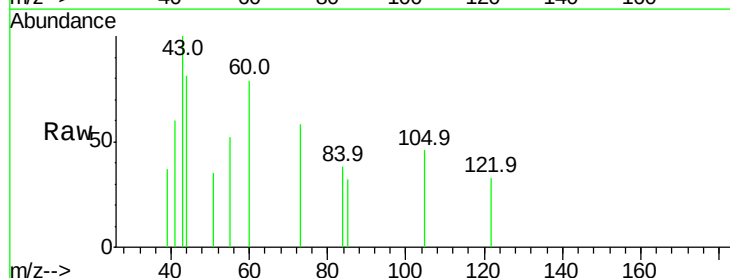
Tgt Ion:122 Resp: 224

Ion Ratio Lower Upper

122 100

105 139.6 101.1 141.1

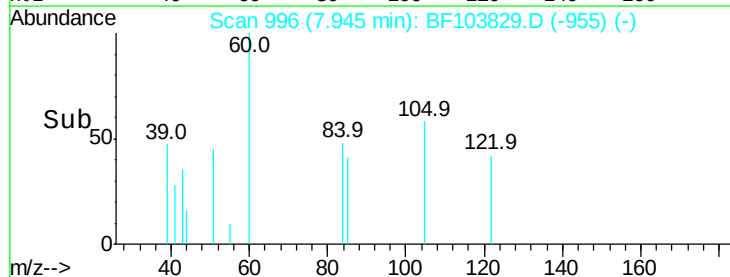
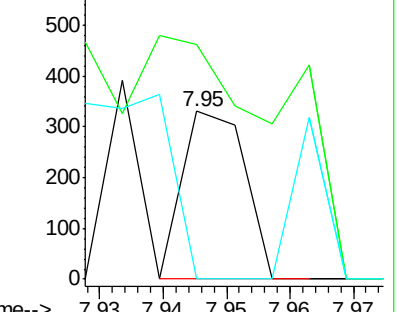
77 0.0 70.7 110.7#

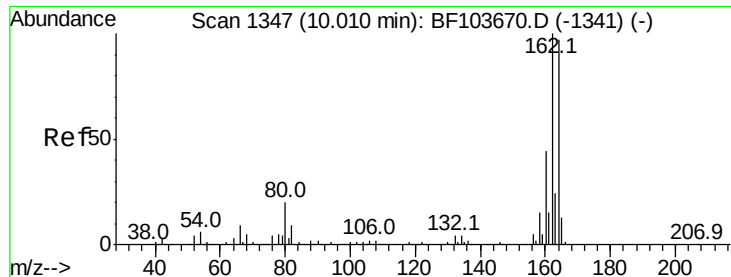


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

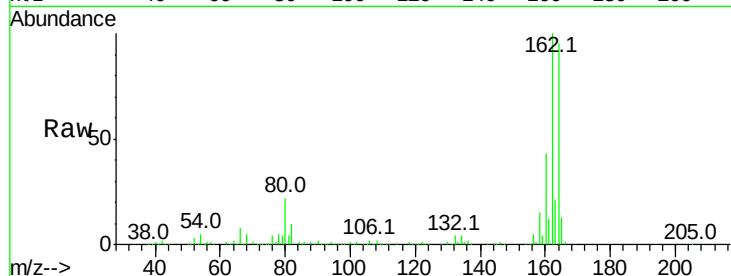




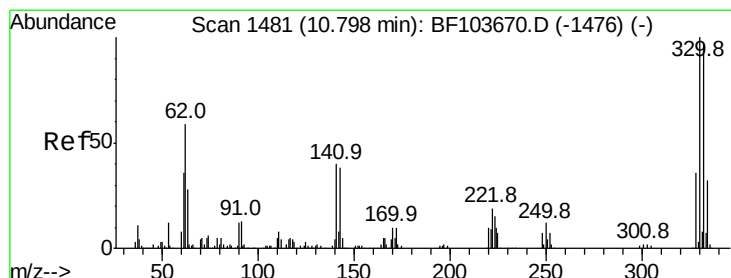
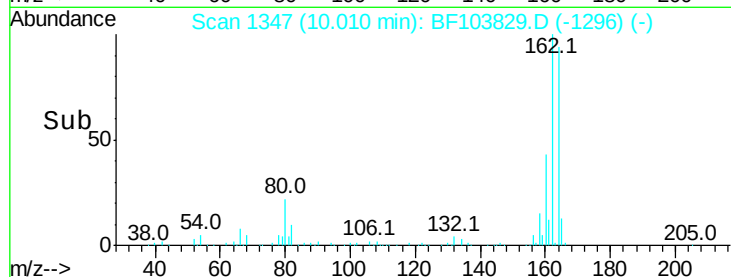
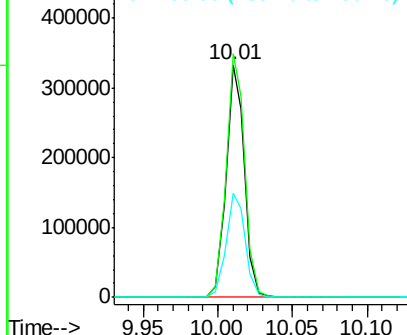
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF103829.D
Acq: 21 Mar 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 289903
Ion Ratio Lower Upper
164 100
162 104.7 86.1 129.1
160 44.8 38.3 57.5

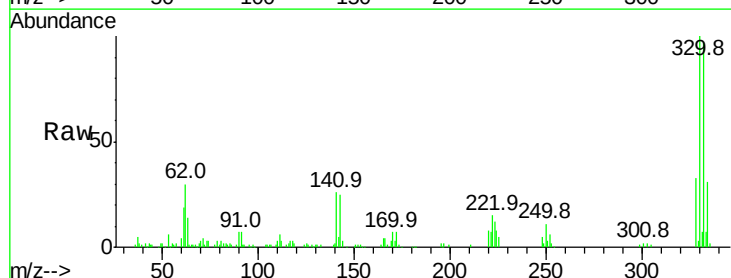


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

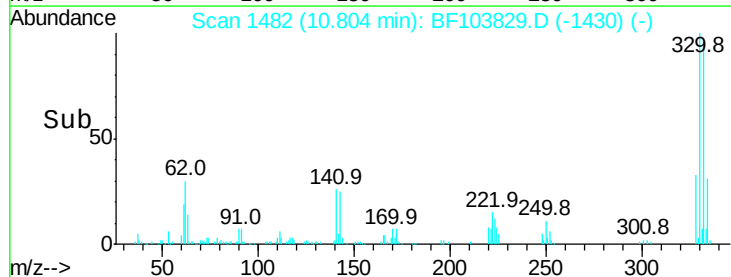
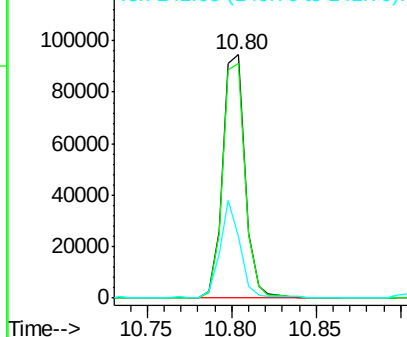


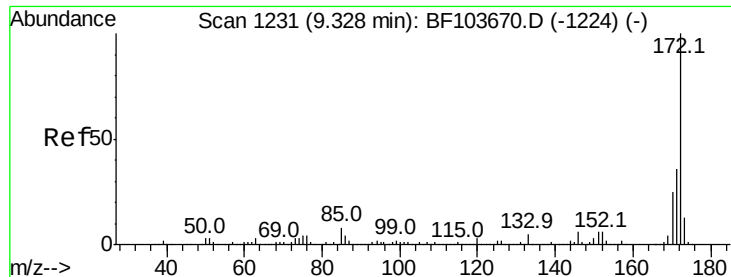
#41
2,4,6-Tribromophenol
Concen: 35.240 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103829.D
Acq: 21 Mar 2018 4:17

Tgt Ion:330 Resp: 87839
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 36.8 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



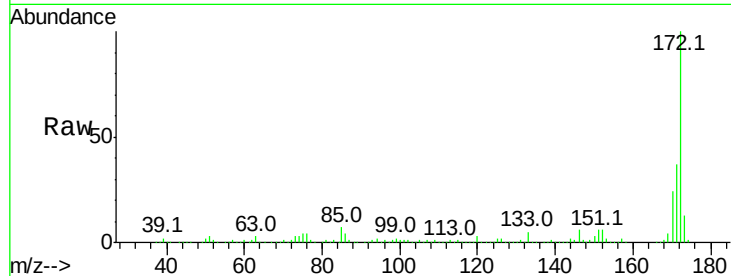


#44
 2-Fluorobiphenyl
 Concen: 56.001 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103829.D
 Acq: 21 Mar 2018 4:17

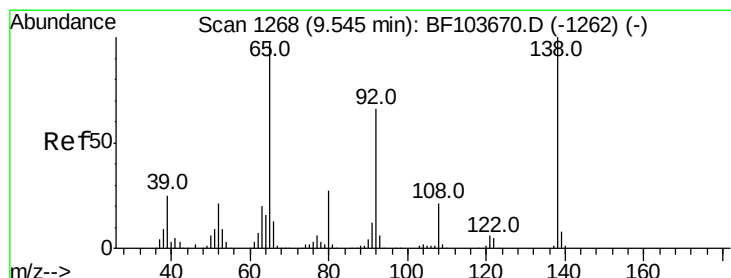
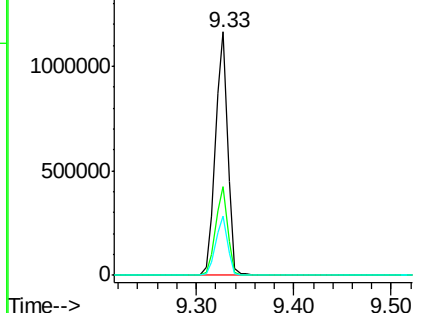
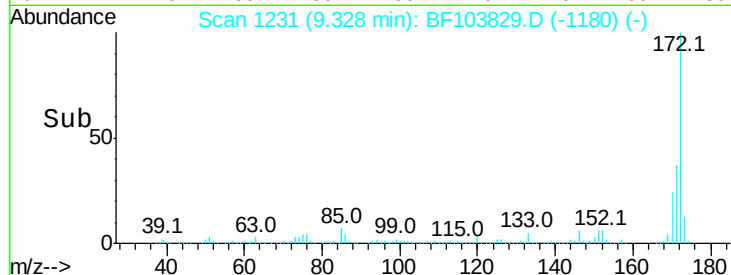
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1017771

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4



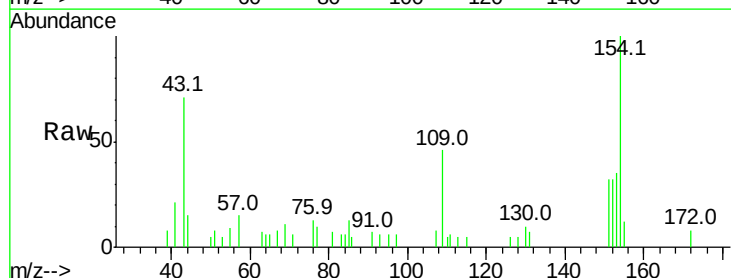
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



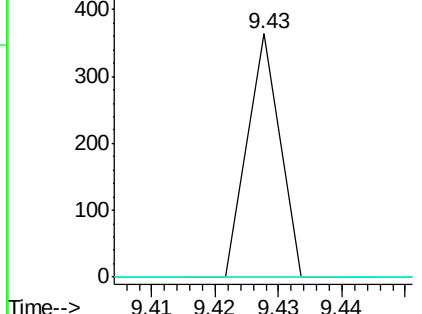
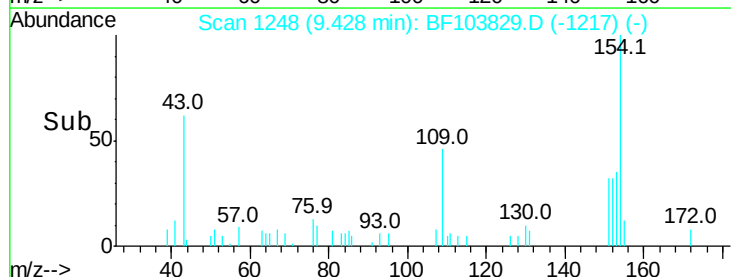
#47
 2-Nitroaniline
 Concen: 6.836 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.12 min
 Lab File: BF103829.D
 Acq: 21 Mar 2018 4:17

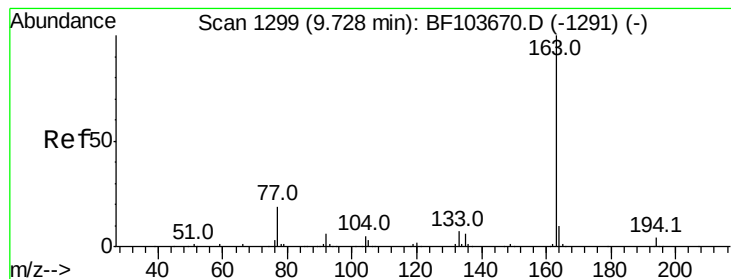
Tgt Ion: 65 Resp: 128

Ion	Ratio	Lower	Upper
65	100		
92	0.0	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: 4.507 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

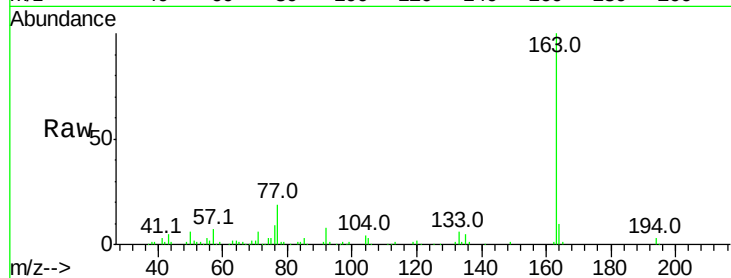
Tot Ion:163 Resp: 99680

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

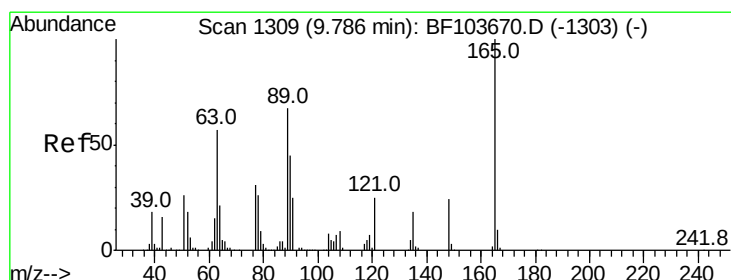
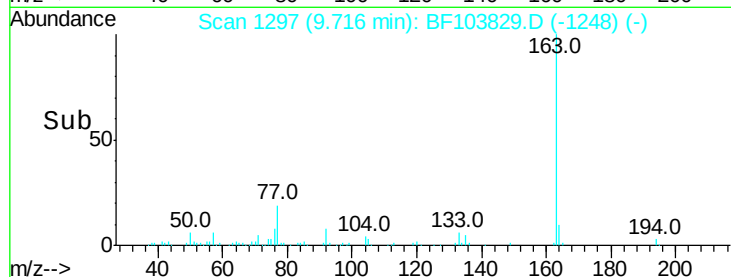
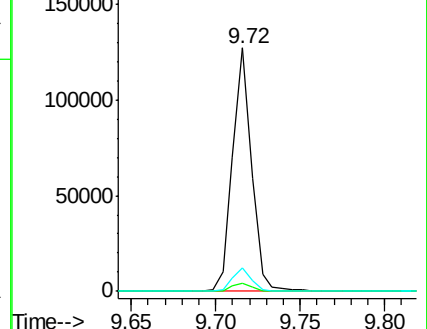
164 9.9 8.2 12.2



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: 12.098 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

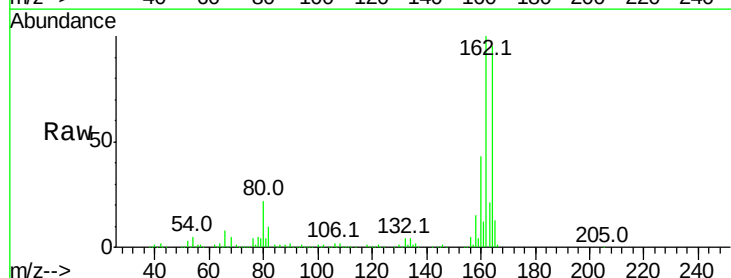
Tgt Ion:165 Resp: 37859

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

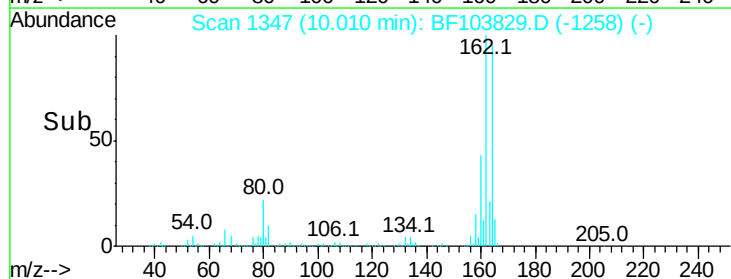
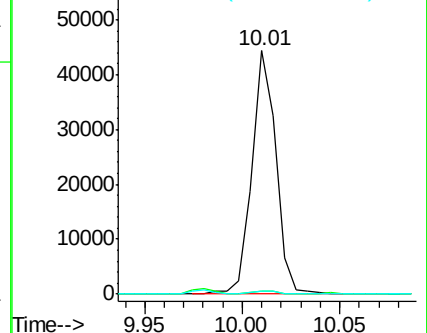
89 1.5 44.0 66.0#

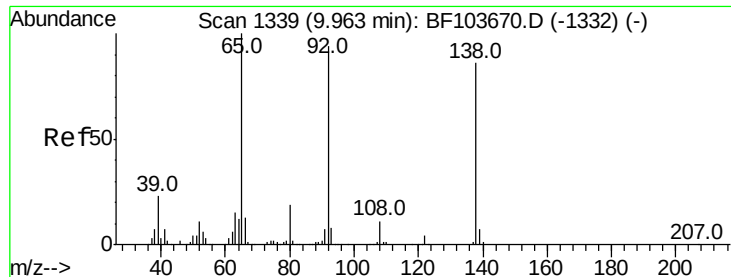


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

3-Nitroaniline

Concen: 3.859 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.14 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

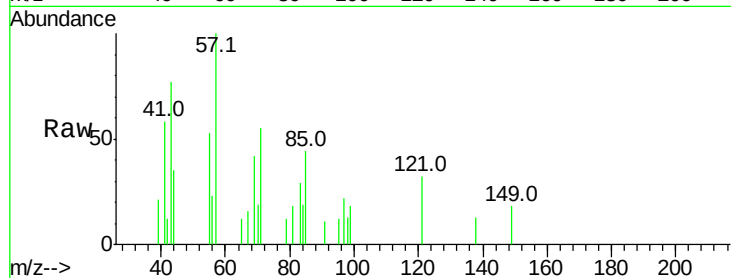
Tot Ion:138 Resp: 250

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

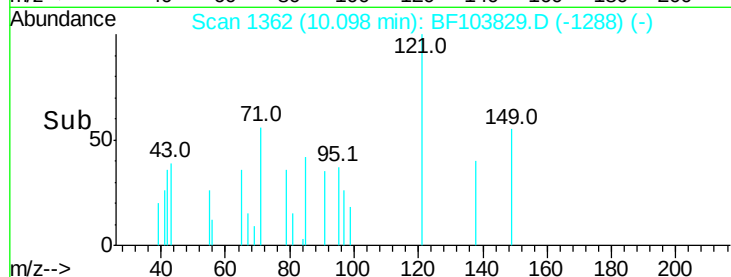
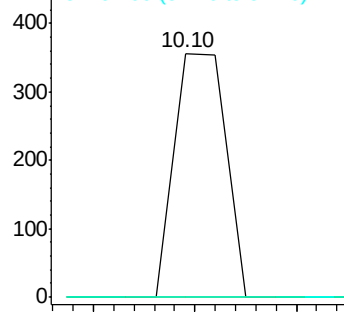
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#55

4-Nitrophenol

Concen: 5.330 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.12 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

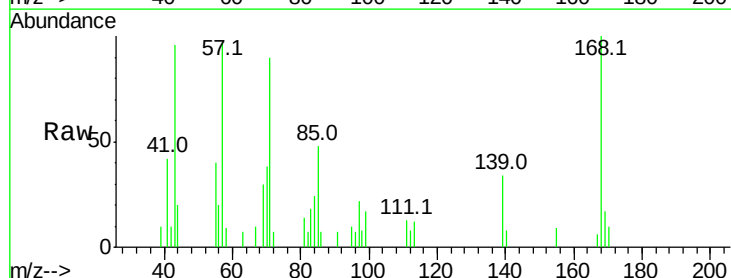
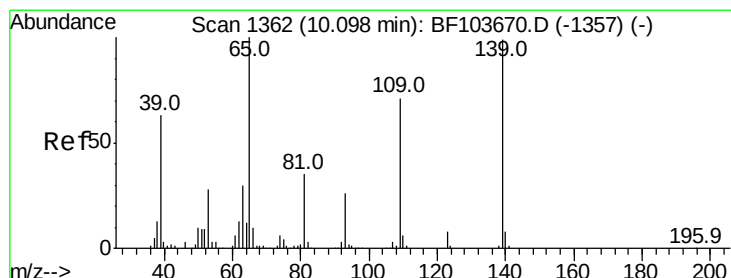
Tgt Ion:139 Resp: 1556

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

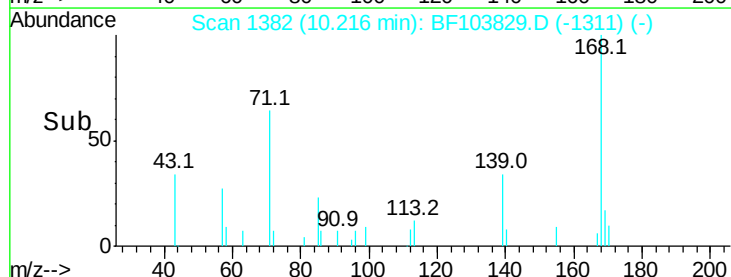
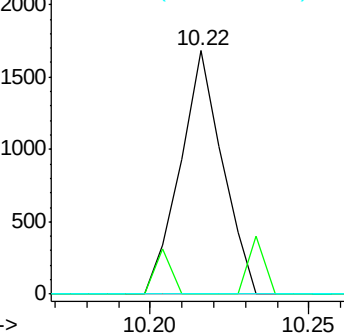
65 0.0 72.6 112.6#

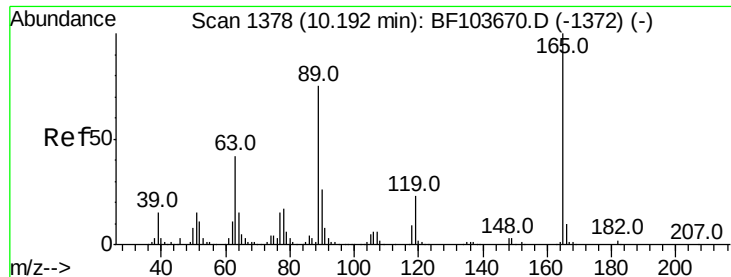


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

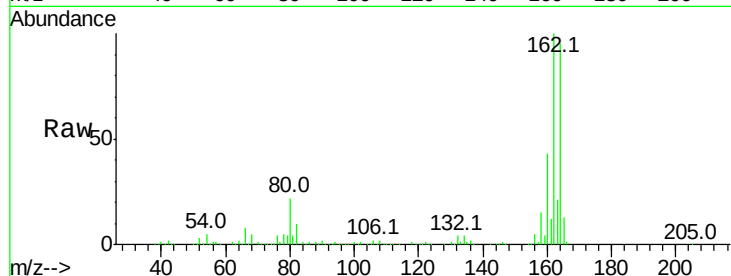




#56
 2,4-Dinitrotoluene
 Concen: 12.294 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103829.D
 Acq: 21 Mar 2018 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

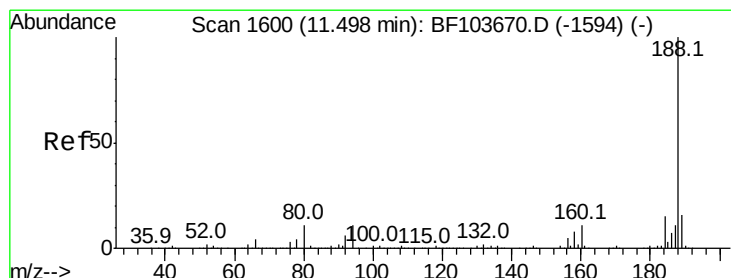
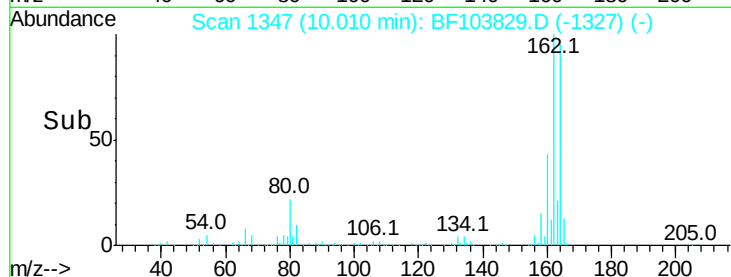
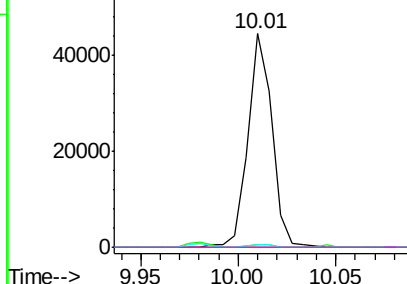


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

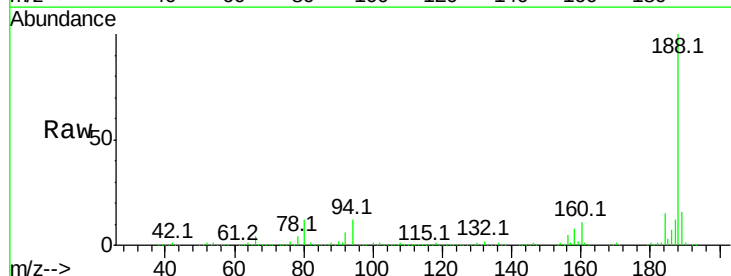
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103829.D
 Acq: 21 Mar 2018 4:17

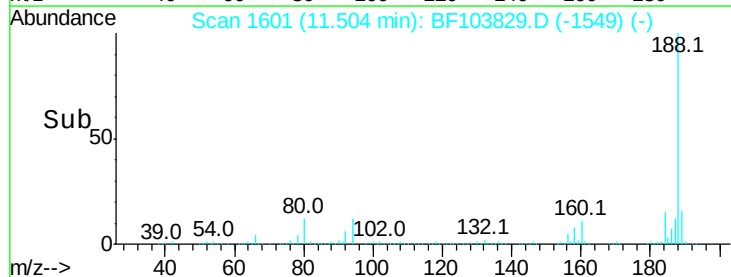
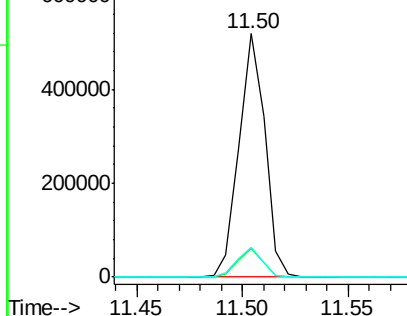
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.0	9.2	13.8

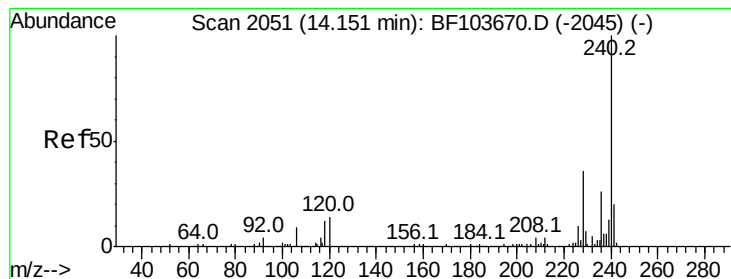


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF103829.D

Acq: 21 Mar 2018 4:17

Instrument :

BNA_F

ClientSampleId :

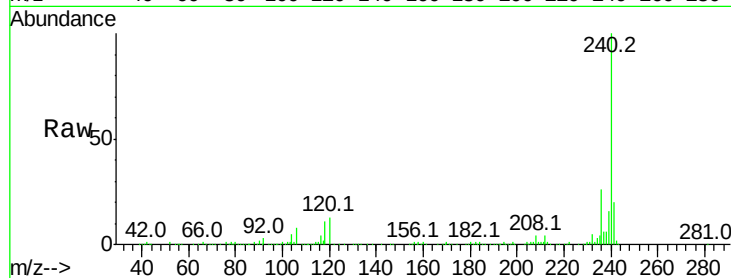
Tot Ion:240 Resp: 306933

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

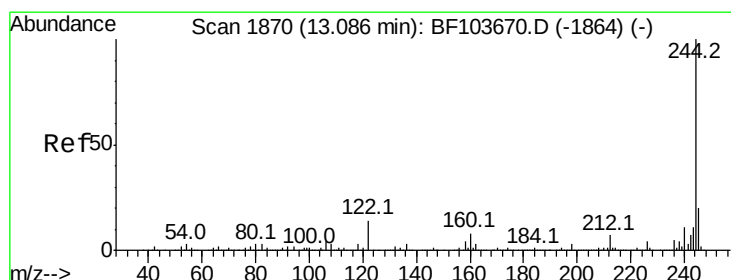
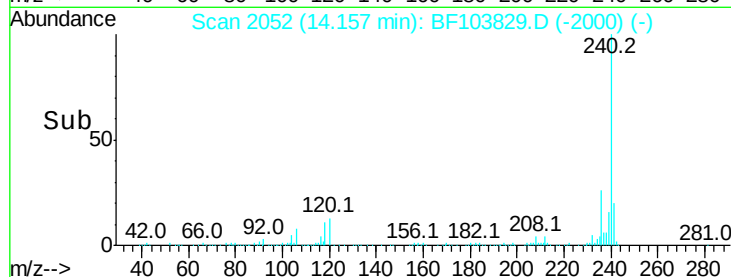
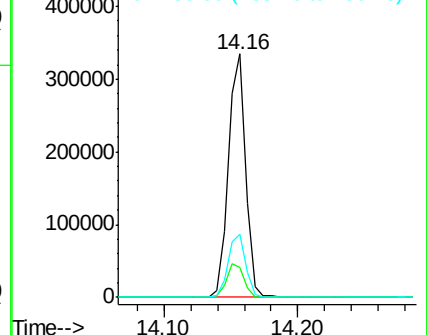
236 26.0 20.7 31.1



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: 52.570 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103829.D

Acq: 21 Mar 2018 4:17

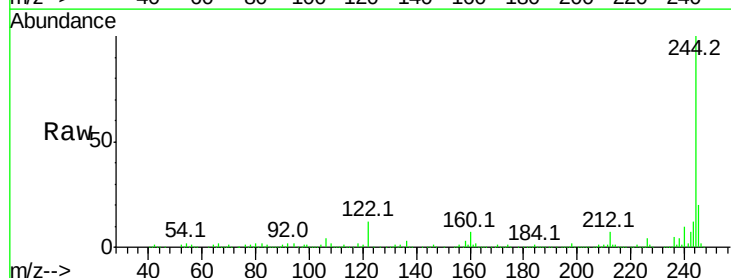
Tgt Ion:244 Resp: 695153

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

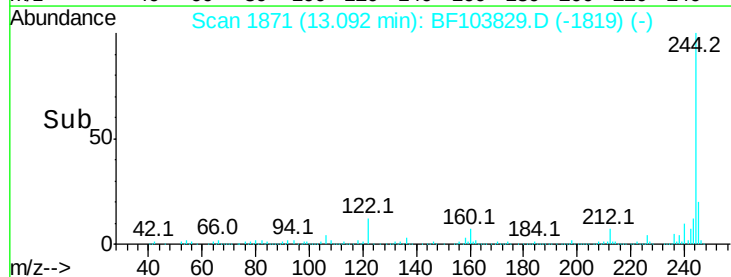
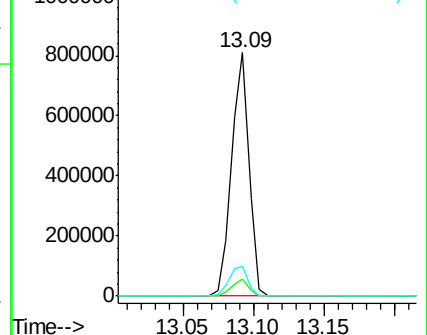
122 12.4 11.0 16.4

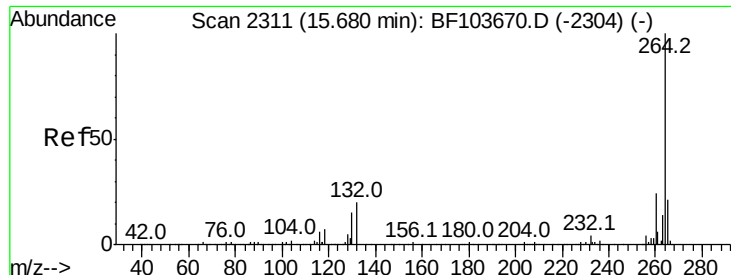


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103829.D
Acq: 21 Mar 2018 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 253431
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.9 17.5 26.3

