

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104313.D
 Acq On : 6 Apr 2018 18:51
 Operator : JU/SJ
 Sample : J2153-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 06 23:10:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

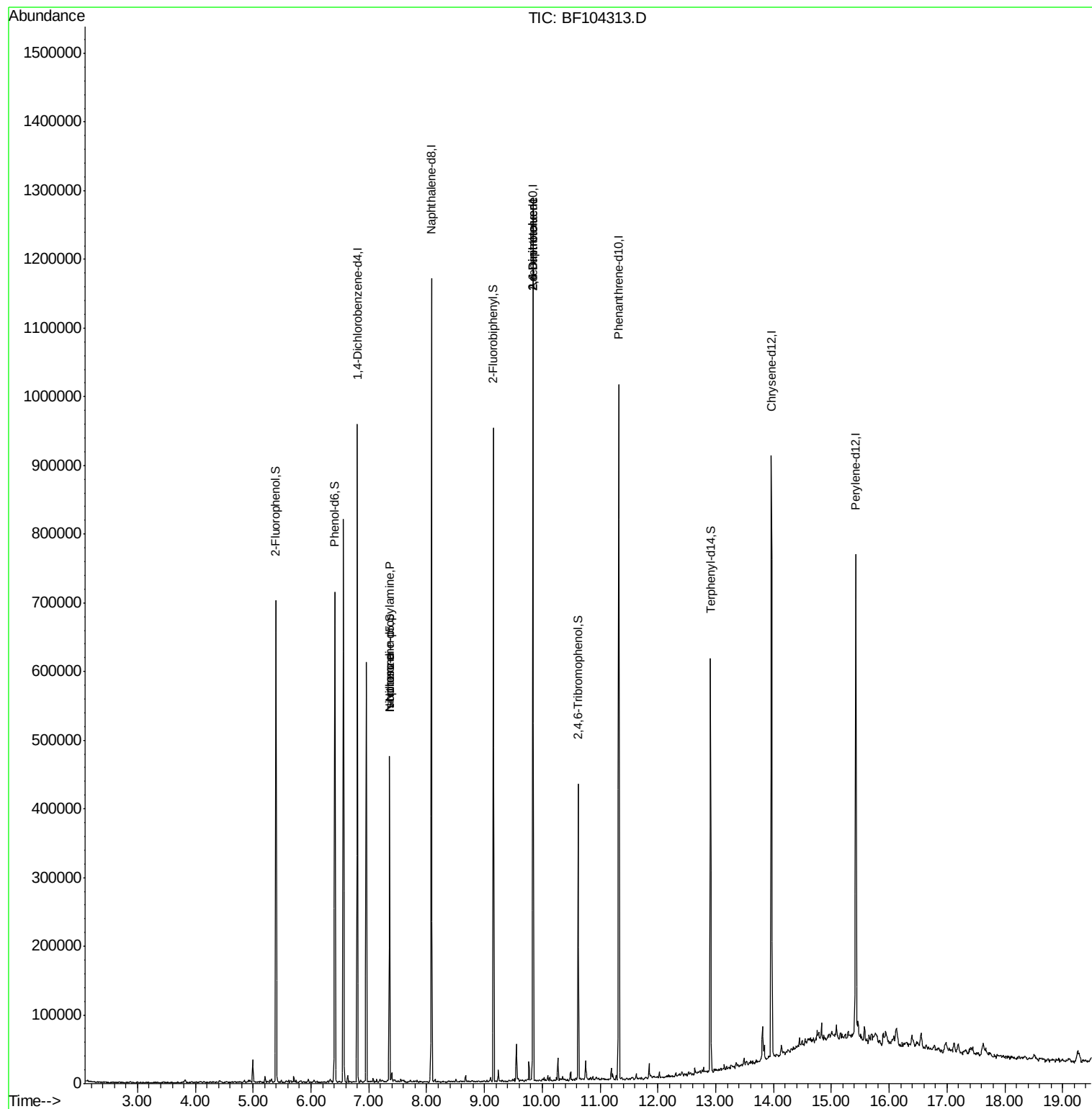
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	136794	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	536868	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	232040	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	342185	20.00	ng	0.00
75) Chrysene-d12	13.96	240	277047	20.00	ng	-0.01
86) Perylene-d12	15.42	264	305546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	199120	22.26	ng	0.00
7) Phenol-d6	6.41	99	236876	21.55	ng	-0.02
23) Nitrobenzene-d5	7.36	82	123385	15.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	42178	17.52	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	253937	17.29	ng	0.00
78) Terphenyl-d14	12.91	244	172211	14.17	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	321	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	16311	2.271 ng	#	76
25) Isophorone	7.36	82	123136	7.082 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	29529	8.721 ng	#	26
56) 2,4-Dinitrotoluene	9.84	165	29529	6.649 ng	#	23
76) Benzidine	12.91	184	2171	Below Cal	#	79

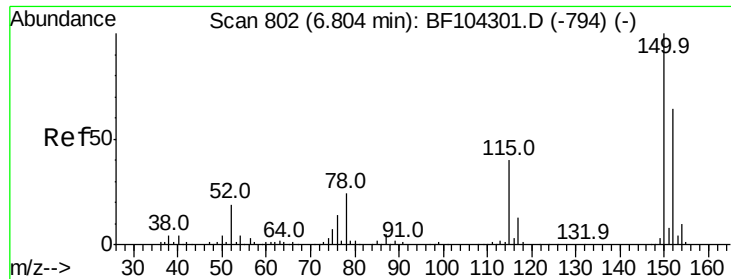
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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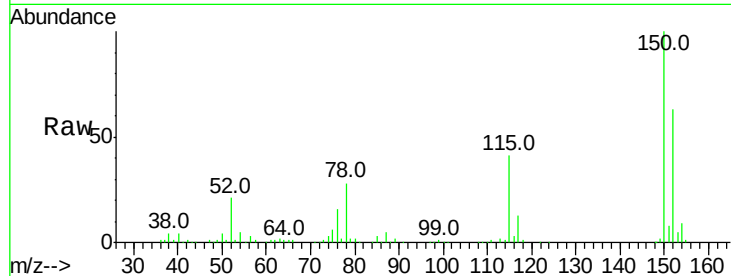


#1

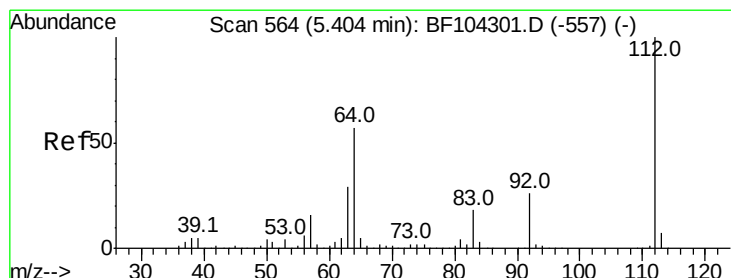
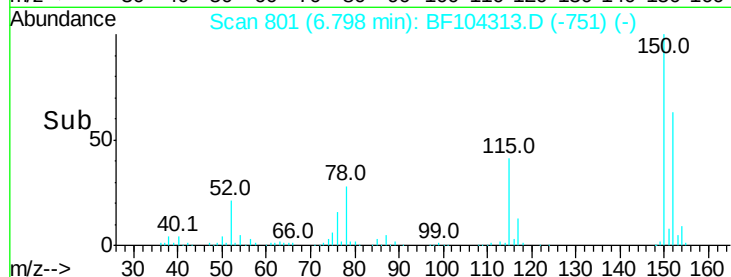
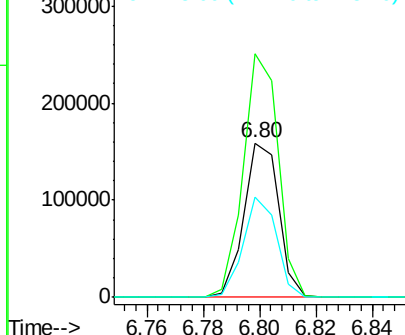
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF104313.D
Acq: 6 Apr 2018 18:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136794
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 65.5 50.1 75.1



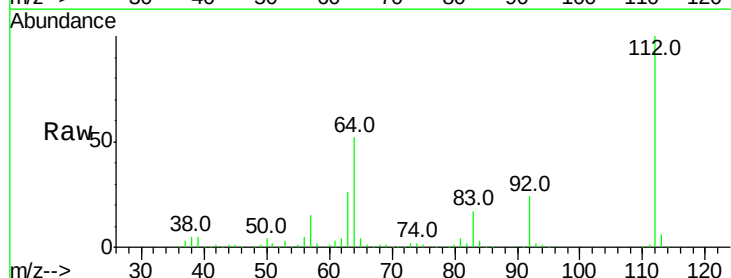
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



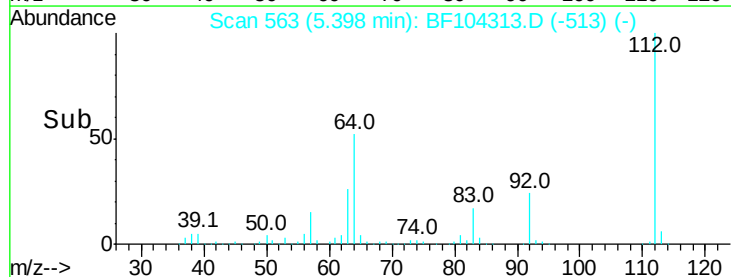
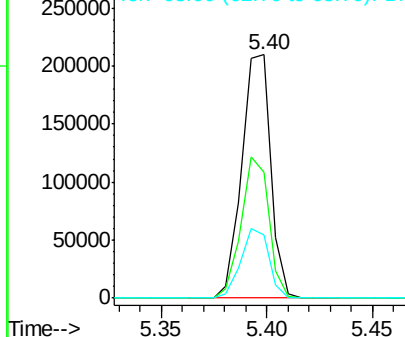
#5

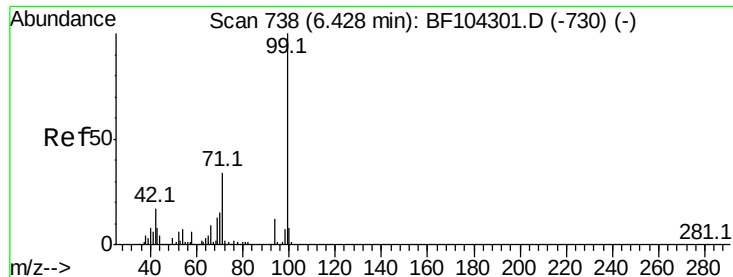
2-Fluorophenol
Concen: 22.257 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF104313.D
Acq: 6 Apr 2018 18:51

Tgt Ion:112 Resp: 199120
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 26.1 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: 21.550 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

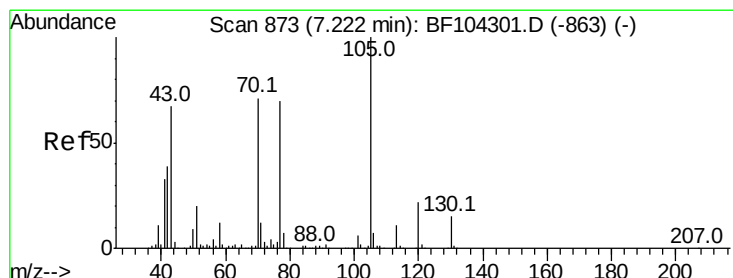
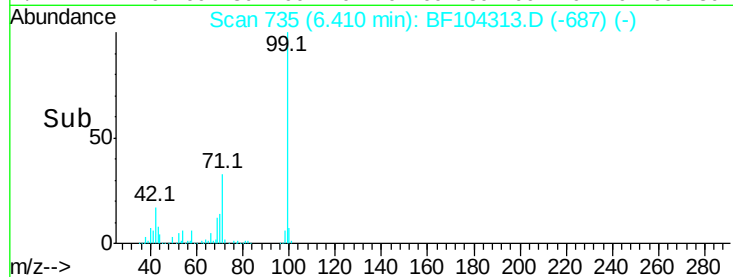
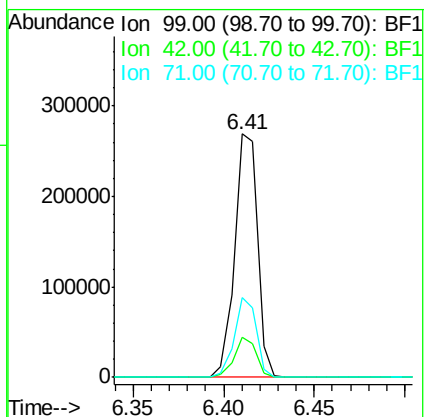
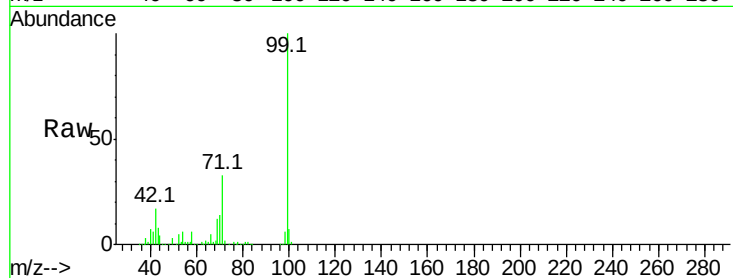
Tot Ion: 99 Resp: 236876

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 32.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.271 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Tgt Ion: 70 Resp: 16311

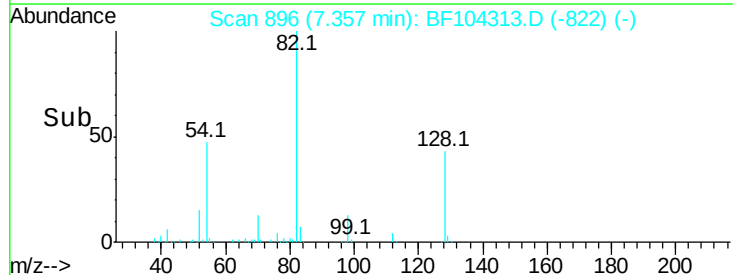
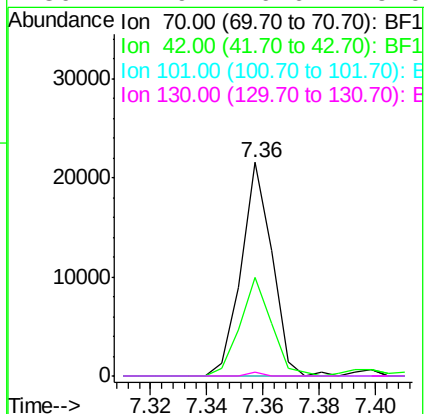
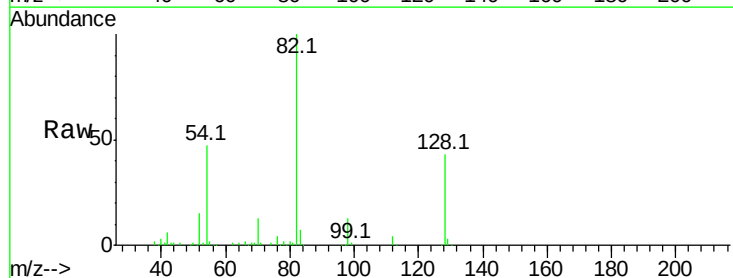
Ion Ratio Lower Upper

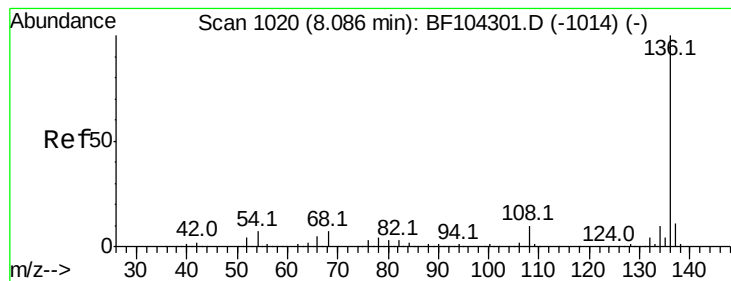
70 100

42 46.3 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 536868

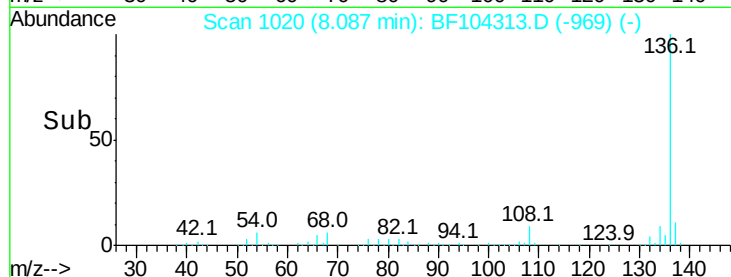
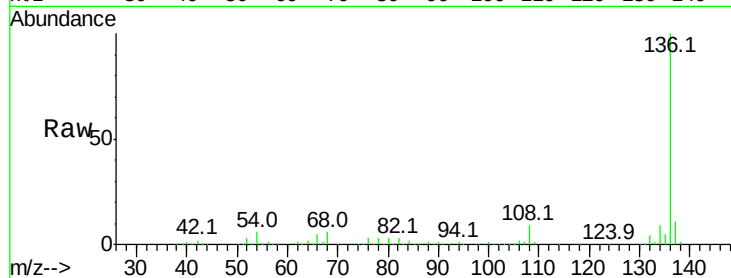
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.4 6.6 9.8#

68 5.9 5.0 7.4

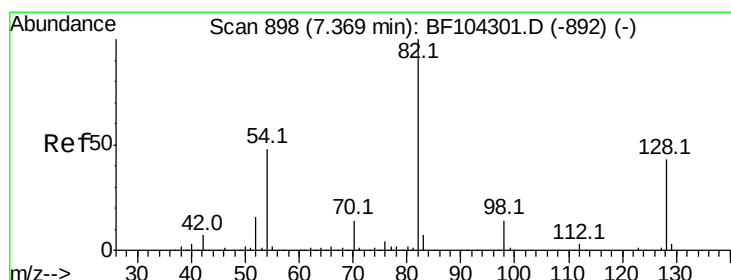
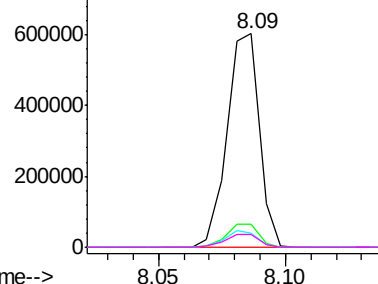


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.007 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

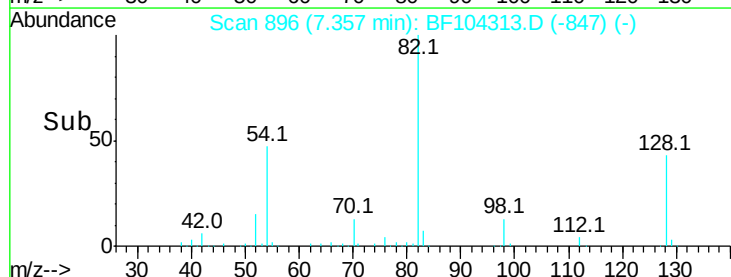
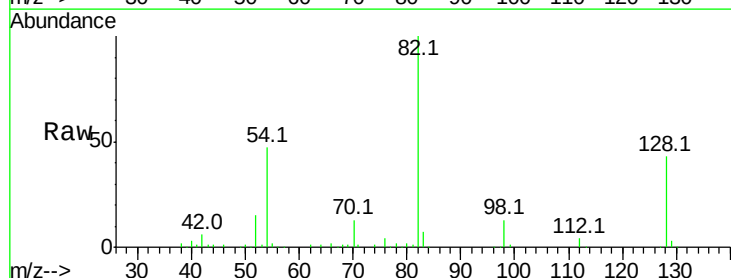
Tgt Ion: 82 Resp: 123385

Ion Ratio Lower Upper

82 100

128 43.4 36.1 54.1

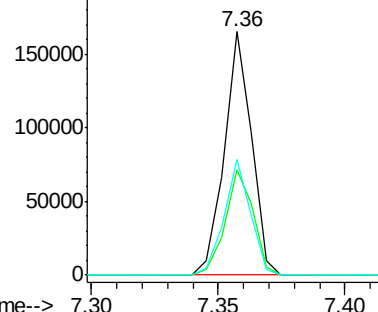
54 47.3 41.4 62.2

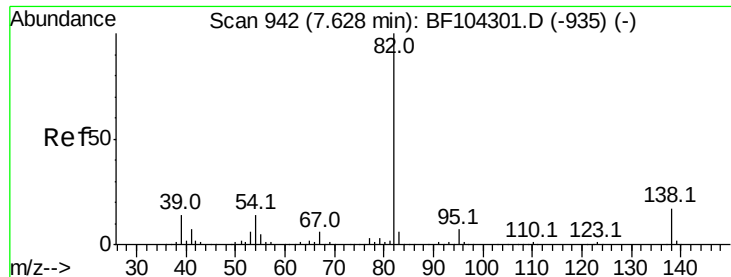


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.082 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Instrument :

BNA_F

ClientSampleId :

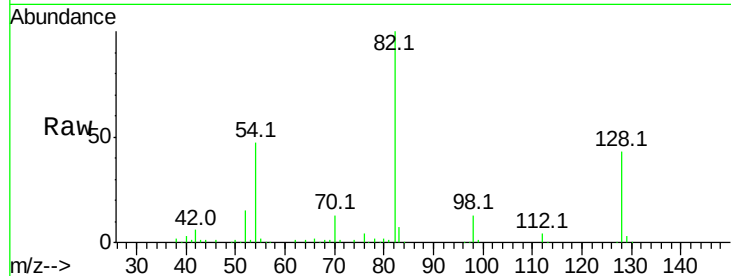
Tot Ion: 82 Resp: 123136

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

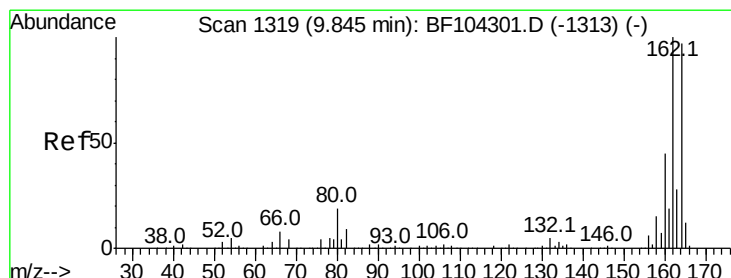
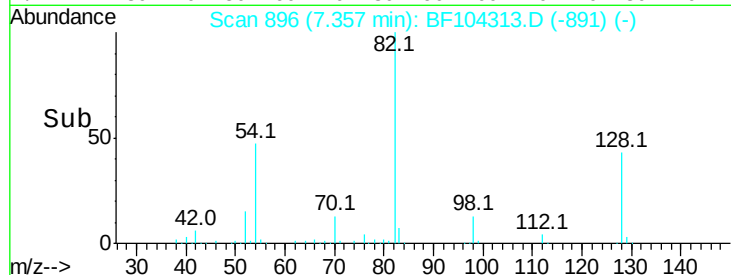
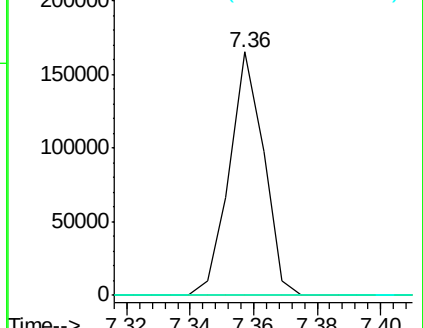
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

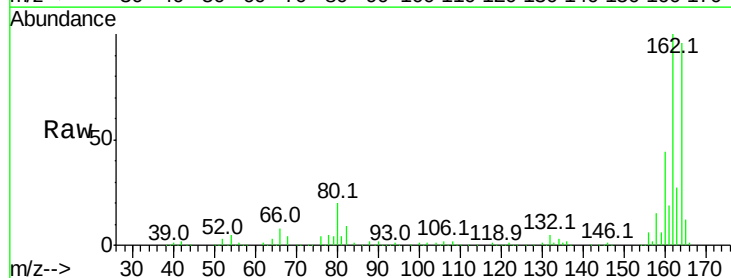
Tgt Ion:164 Resp: 232040

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

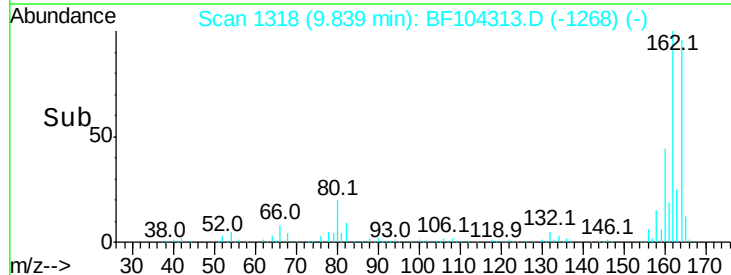
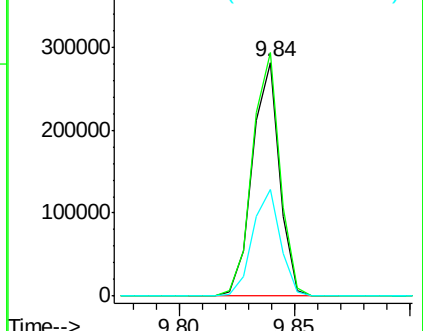
160 45.7 38.3 57.5

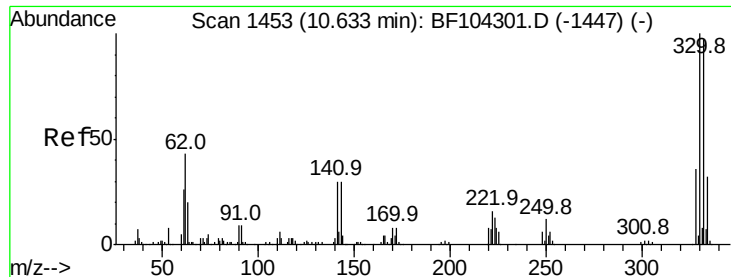


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

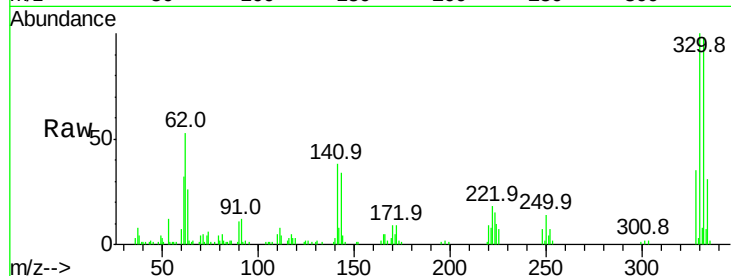




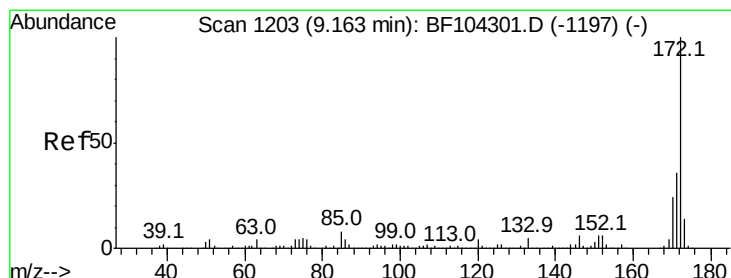
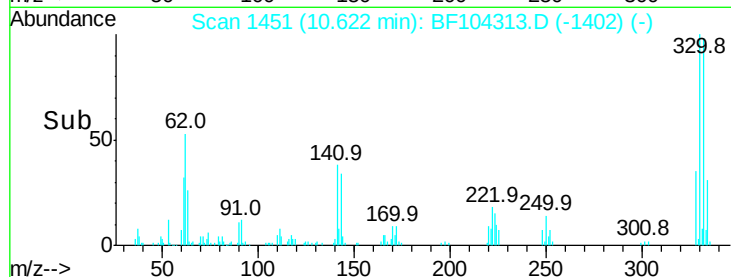
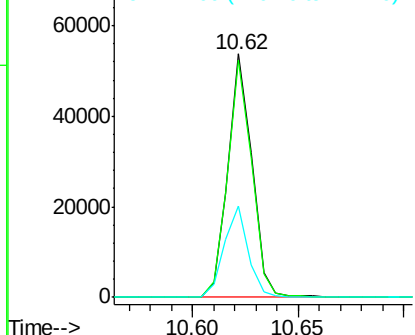
#41
 2,4,6-Tribromophenol
 Concen: 17.523 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104313.D
 Acq: 6 Apr 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	37.2	29.9	44.9

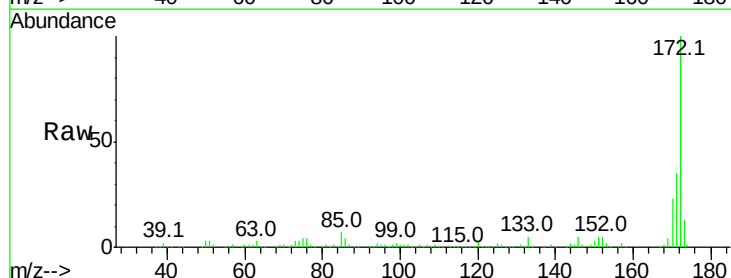


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

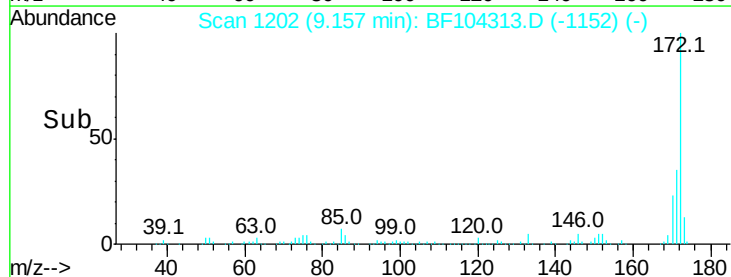
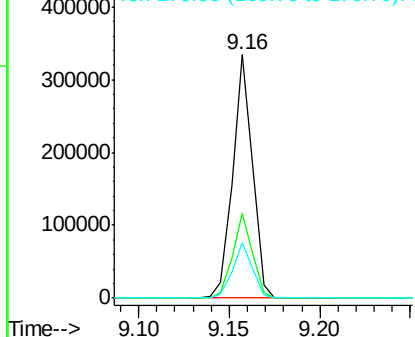


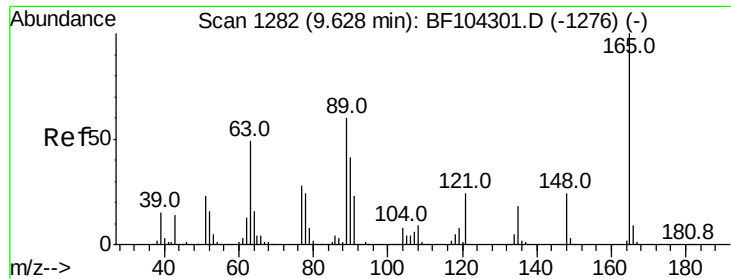
#44
 2-Fluorobiphenyl
 Concen: 17.288 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF104313.D
 Acq: 6 Apr 2018 18:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.8	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

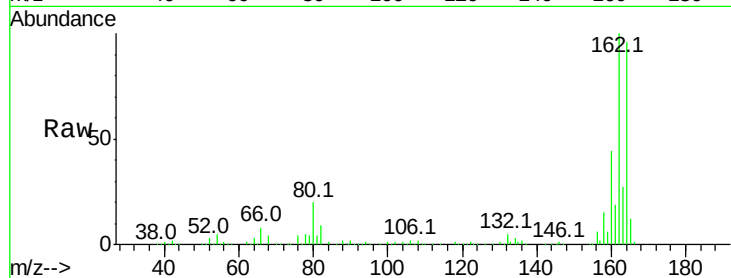




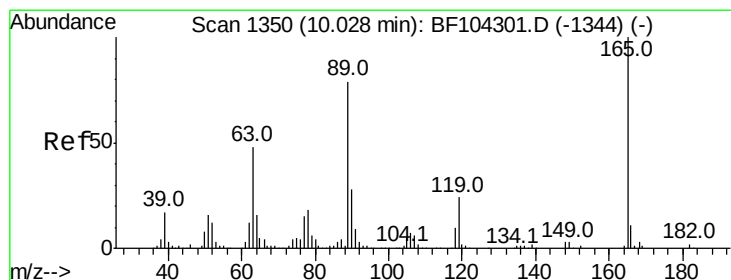
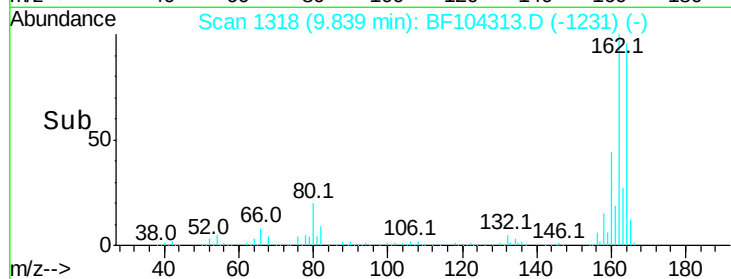
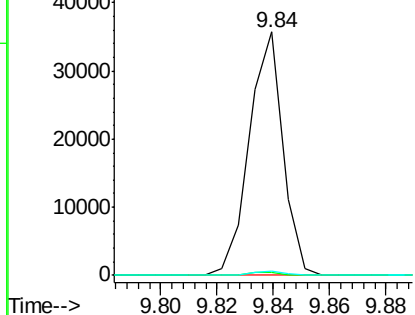
#50
 2,6-Dinitrotoluene
 Concen: 8.721 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104313.D
 Acq: 6 Apr 2018 18:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.7	44.0	66.0#



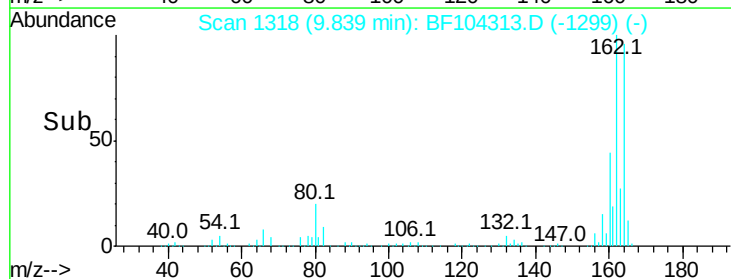
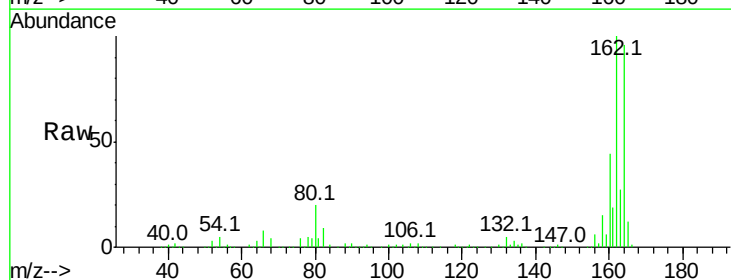
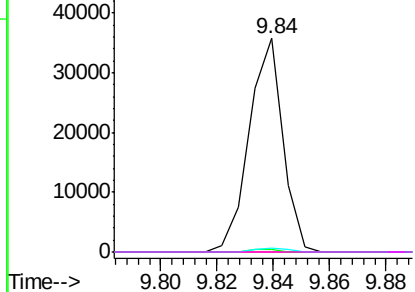
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

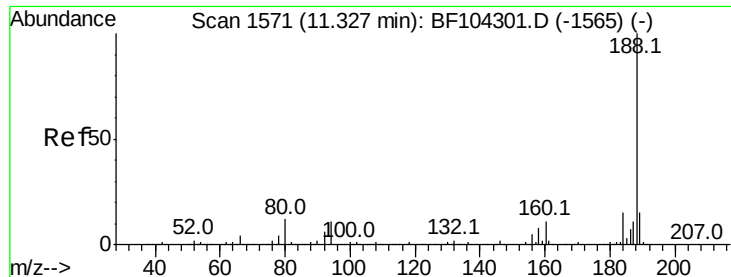


#56
 2,4-Dinitrotoluene
 Concen: 6.649 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104313.D
 Acq: 6 Apr 2018 18:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	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

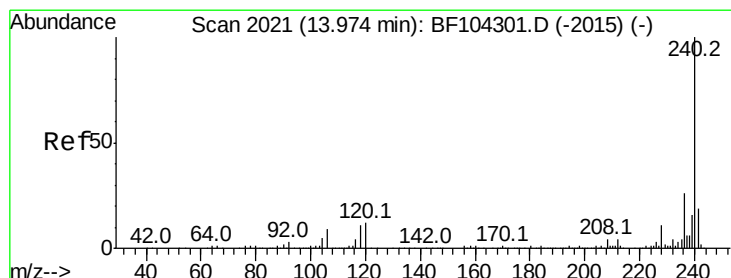
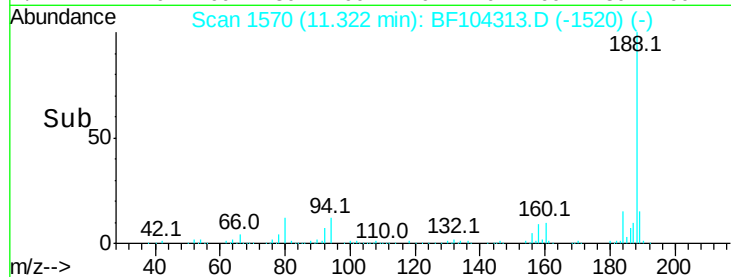
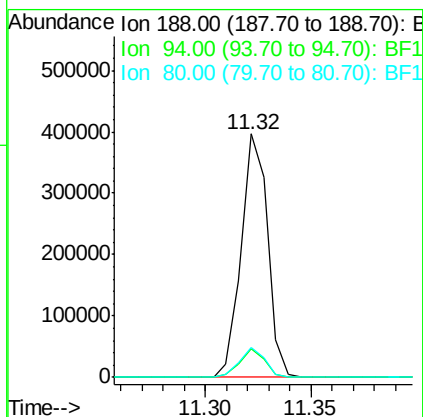
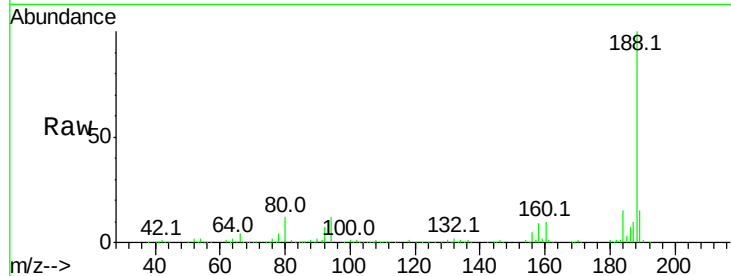




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF104313.D
Acq: 6 Apr 2018 18:51

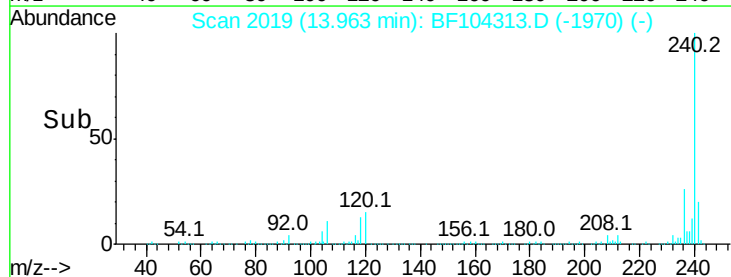
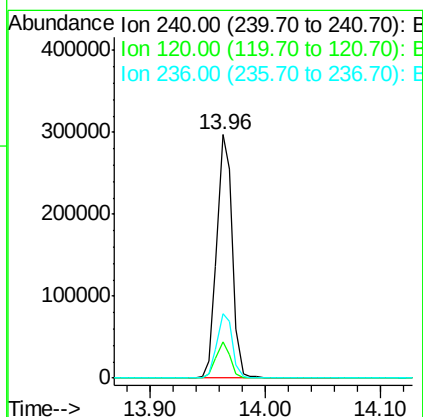
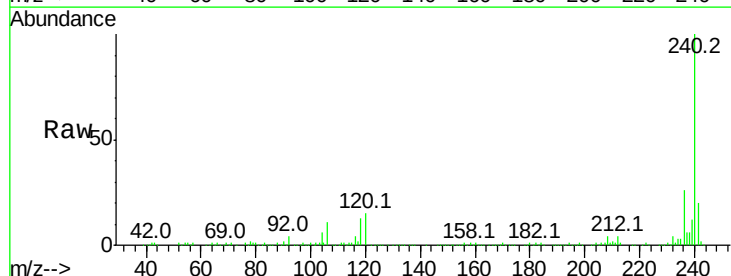
Instrument :
BNA_F
ClientSampleId :

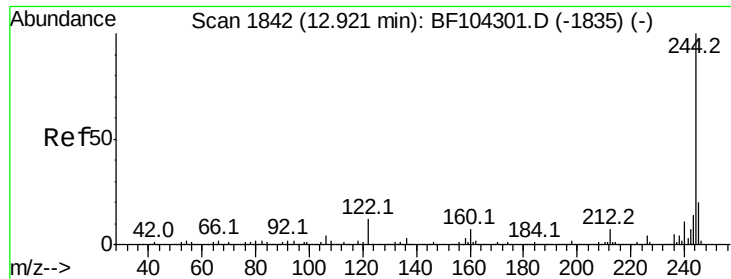
Tot Ion:188 Resp: 342185
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.2 9.2 13.8



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104313.D
Acq: 6 Apr 2018 18:51

Tgt Ion:240 Resp: 277047
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 26.5 20.7 31.1





#78

Terphenyl-d14

Concen: 14.171 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Instrument :

BNA_F

ClientSampled :

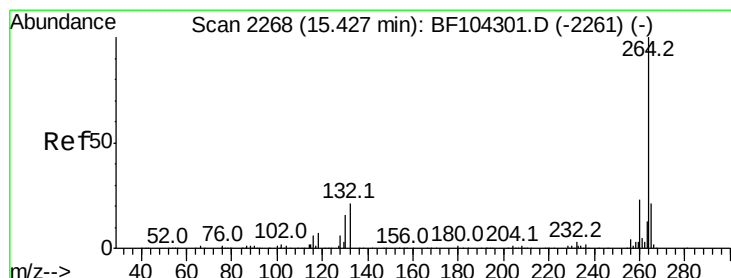
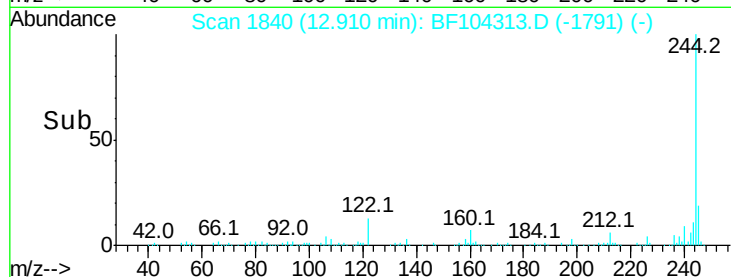
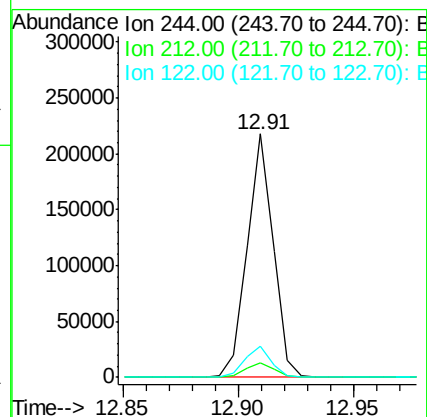
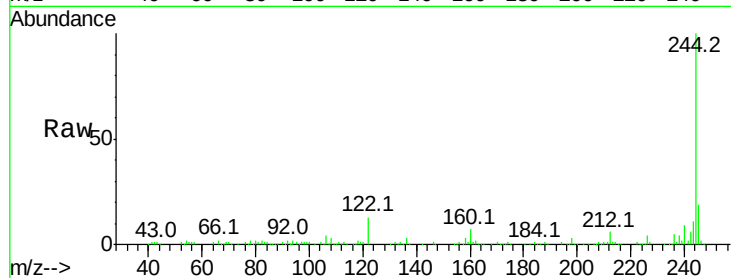
Tot Ion:244 Resp: 172211

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

122 12.7 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF104313.D

Acq: 6 Apr 2018 18:51

Tgt Ion:264 Resp: 305546

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.9 17.5 26.3

