

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104840.D
 Acq On : 26 Apr 2018 16:41
 Operator : JU/SJ
 Sample : J2525-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:33:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

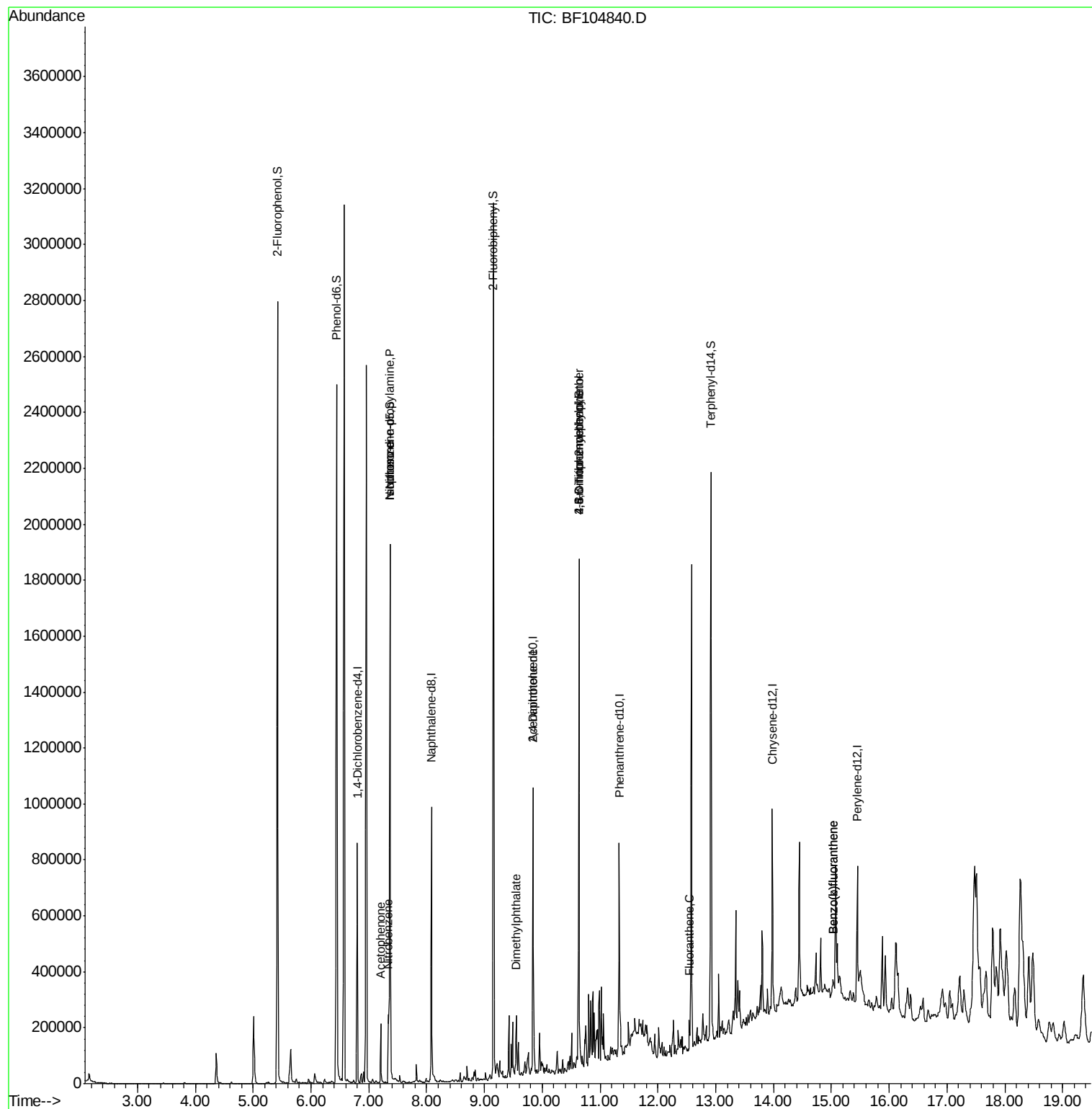
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115198	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	457268	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	184041	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	273701	20.00	ng	0.00
75) Chrysene-d12	13.98	240	236015	20.00	ng	0.00
86) Perylene-d12	15.45	264	206708	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	870011	115.48	ng	0.00
7) Phenol-d6	6.45	99	1096715	118.48	ng	0.00
23) Nitrobenzene-d5	7.37	82	664238	94.85	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	223795	117.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	986856	84.71	ng	0.00
78) Terphenyl-d14	12.92	244	661134	63.86	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	2786	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.37	70	86277	14.263 ng	#	72
22) Acetophenone	7.20	105	61140	5.431 ng	#	94
24) Nitrobenzene	7.34	77	16957	2.193 ng	#	46
25) Isophorone	7.37	82	664229	44.855 ng	#	64
49) Dimethylphthalate	9.55	163	76695	5.285 ng		99
56) 2,4-Dinitrotoluene	9.84	165	23810	6.759 ng	#	25
64) 4,6-Dinitro-2-methylphenol	10.63	198	442	7.628 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	13683	4.700 ng	#	1
74) Fluoranthene	12.54	202	36562	2.296 ng		98
76) Benzidine	12.67	184	347	Below Cal	#	1
87) Benzo(b)fluoranthene	15.02	252	33800	2.589 ng	#	75
88) Benzo(k)fluoranthene	15.02	252	33800	2.742 ng	#	78

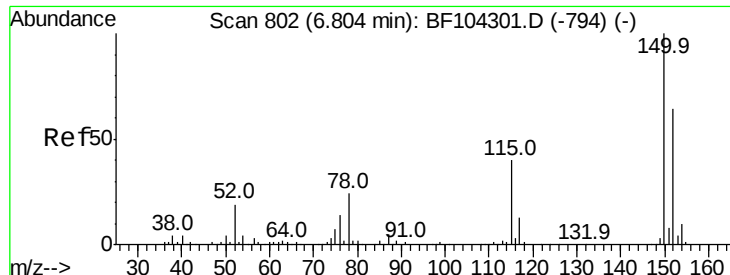
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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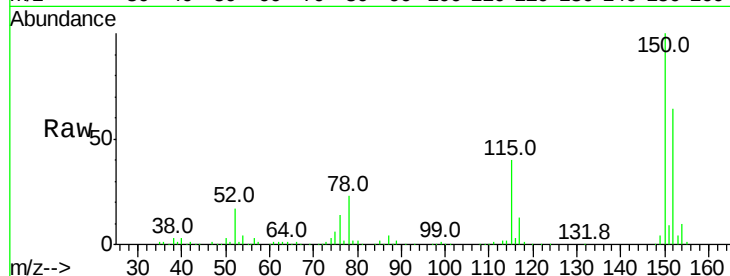


#1

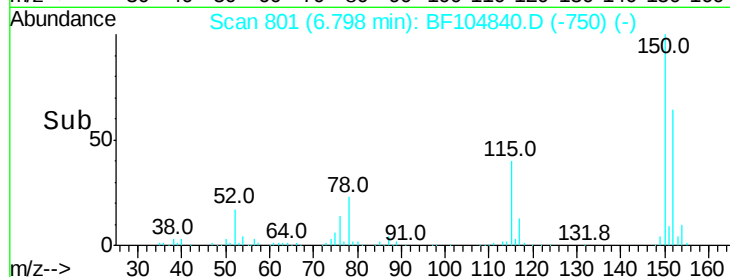
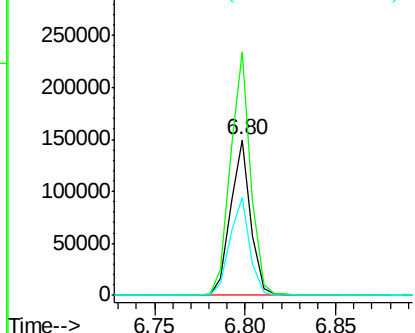
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115198
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 63.0 50.1 75.1



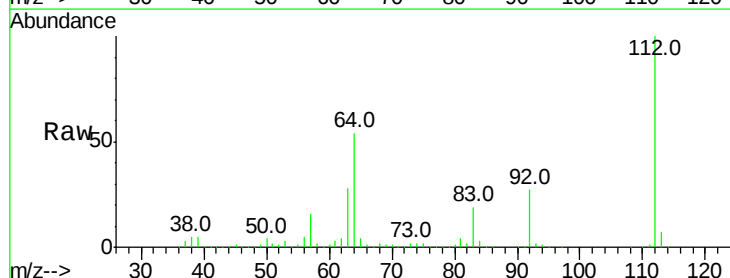
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



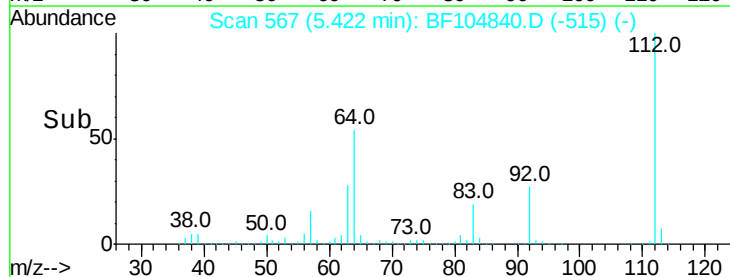
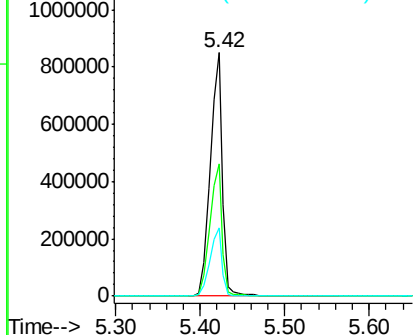
#5

2-Fluorophenol
Concen: 115.479 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Tgt Ion:112 Resp: 870011
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 28.2 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: 118.477 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

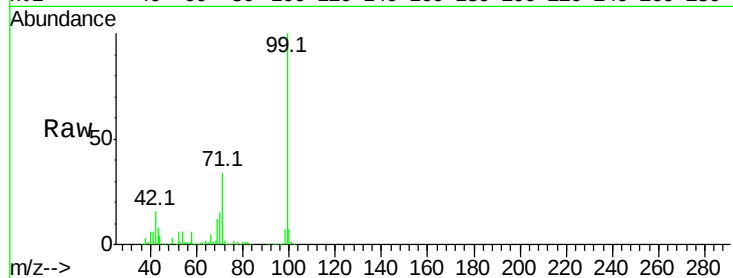
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1096715

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	34.3	25.4	38.0

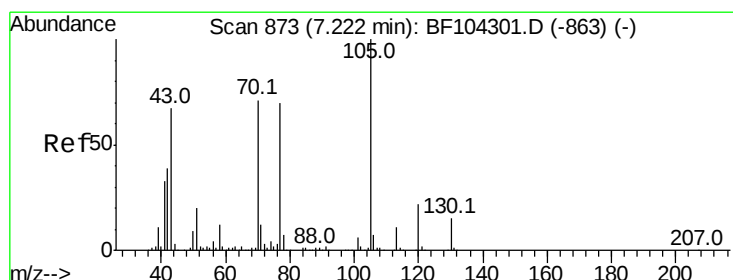
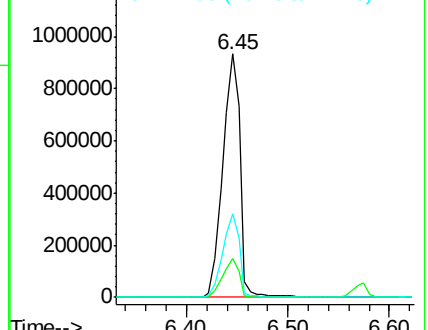
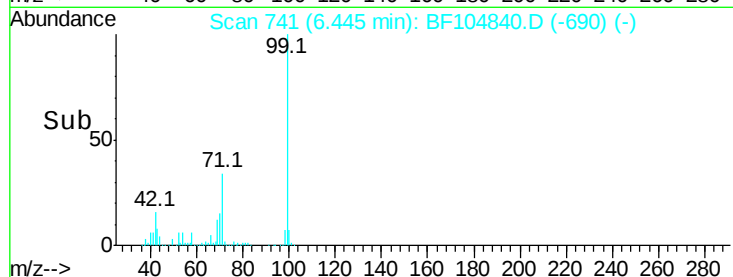


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.263 ng

RT: 7.37 min Scan# 898

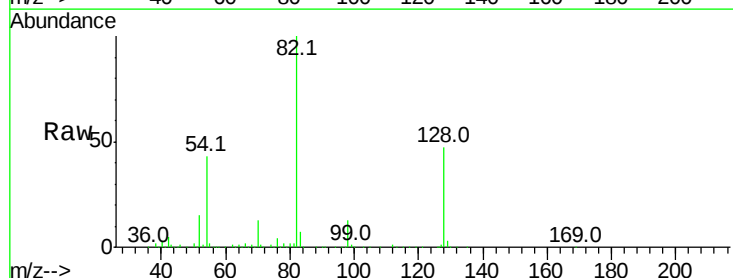
Delta R.T. 0.15 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Tgt Ion: 70 Resp: 86277

Ion	Ratio	Lower	Upper
70	100		
42	41.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



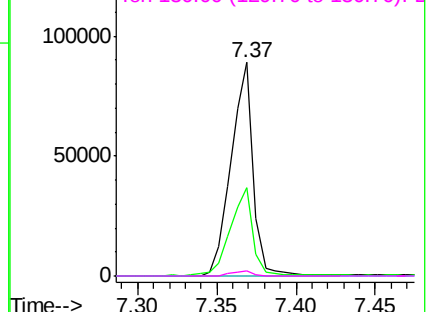
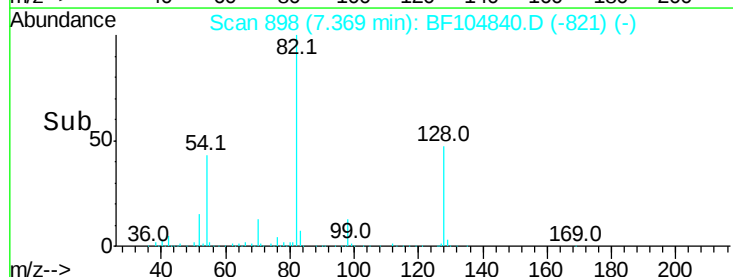
Abundance

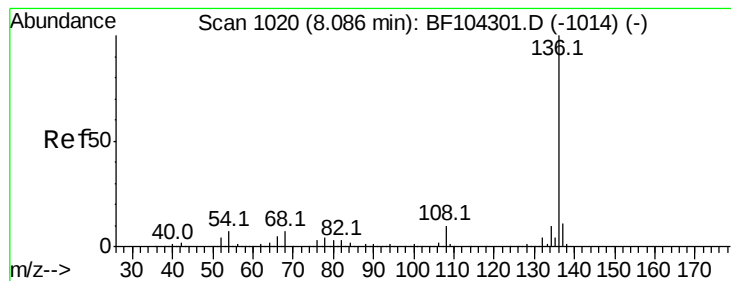
Ion 70.00 (69.70 to 70.70): BF1

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 457268

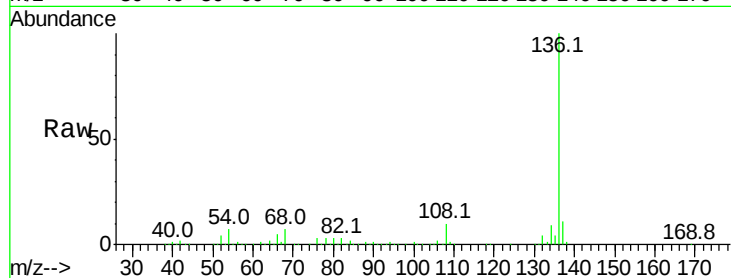
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.9 6.6 9.8

68 6.5 5.0 7.4

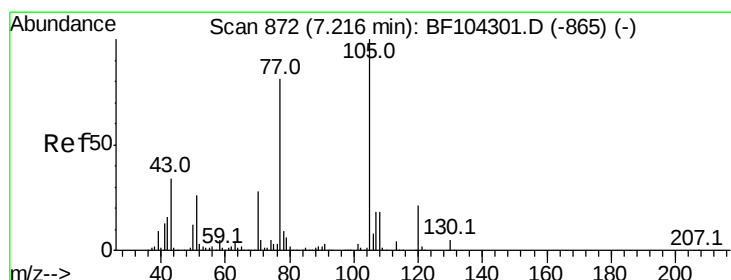
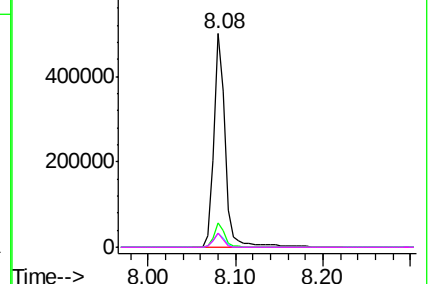
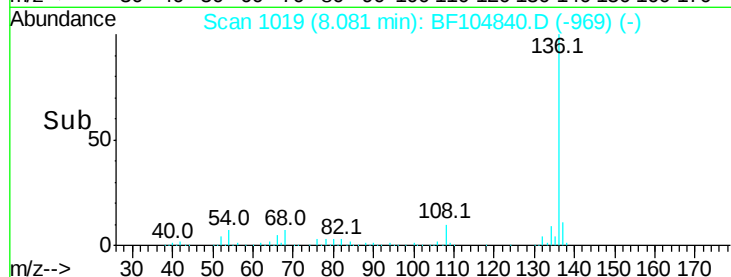


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 5.431 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Tgt Ion:105 Resp: 61140

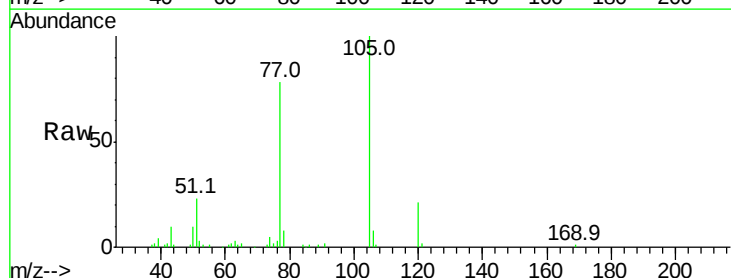
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 23.3 22.3 33.5

120 20.7 16.9 25.3

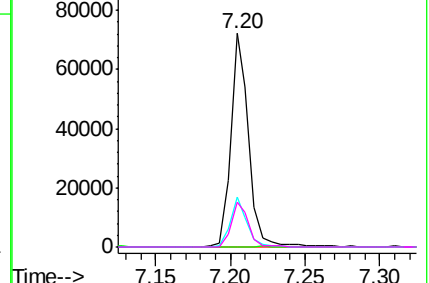
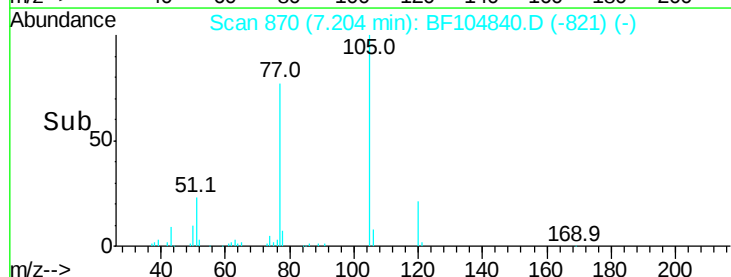


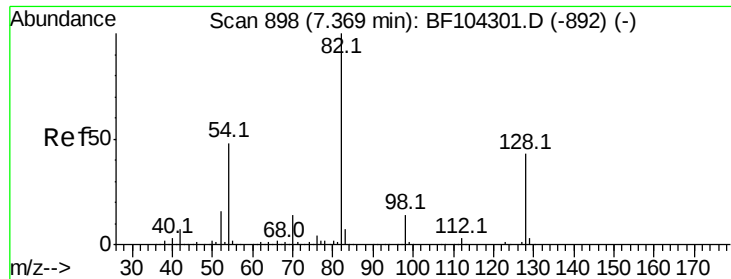
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

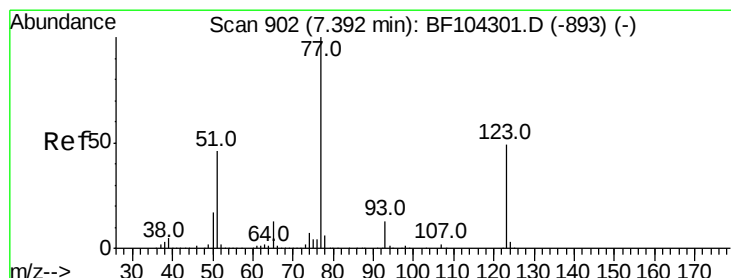
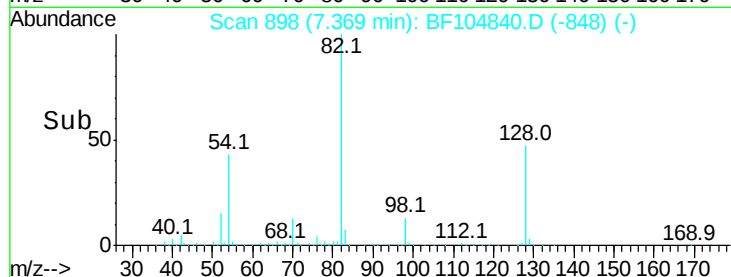
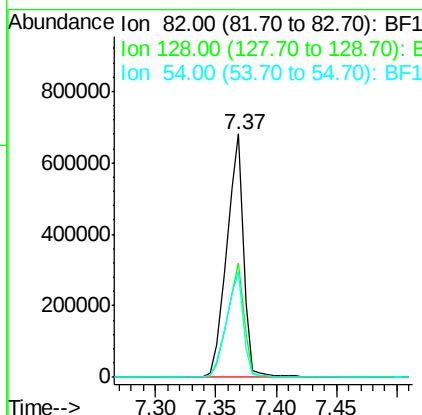
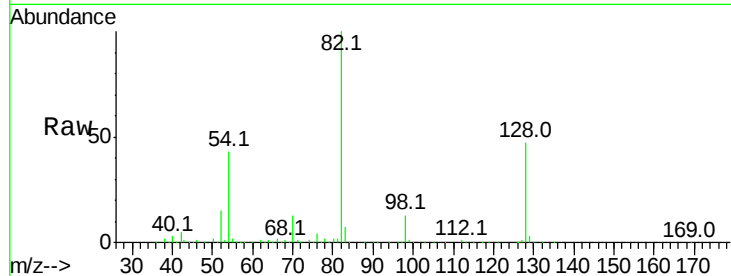




#23
 Nitrobenzene-d5
 Concen: 94.853 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

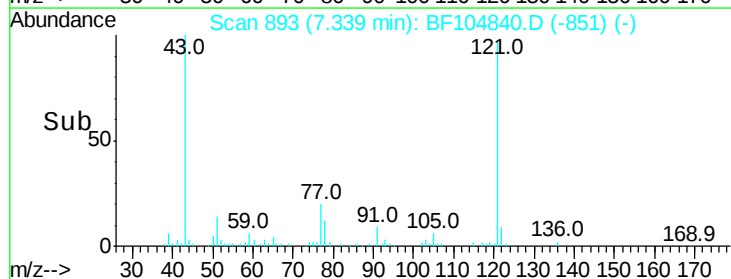
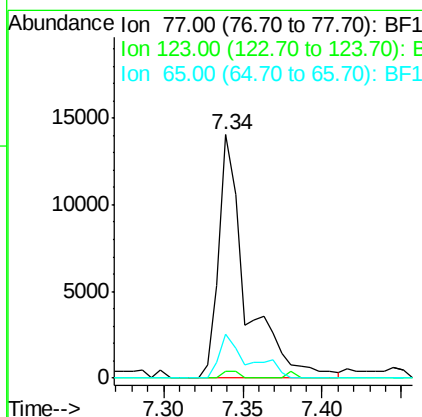
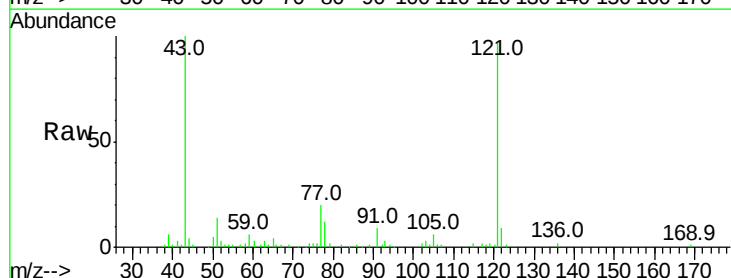
Instrument :
 BNA_F
 ClientSampled :

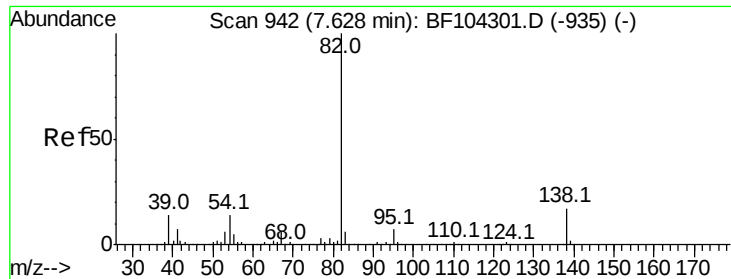
Tot Ion: 82 Resp: 664238
 Ion Ratio Lower Upper
 82 100
 128 47.2 36.1 54.1
 54 43.2 41.4 62.2



#24
 Nitrobenzene
 Concen: 2.193 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.05 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

Tgt Ion: 77 Resp: 16957
 Ion Ratio Lower Upper
 77 100
 123 3.0 37.9 56.9#
 65 18.1 11.0 16.4#





#25

Isophorone

Concen: 44.855 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Instrument :

BNA_F

ClientSampled :

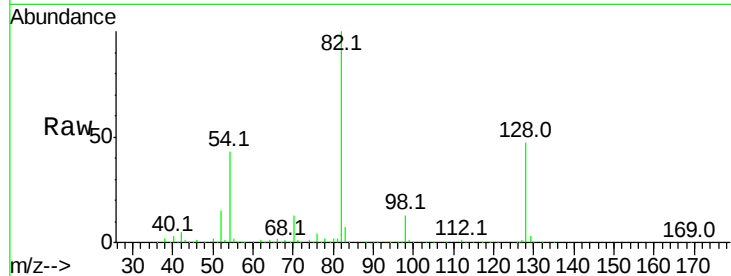
Tot Ion: 82 Resp: 664229

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

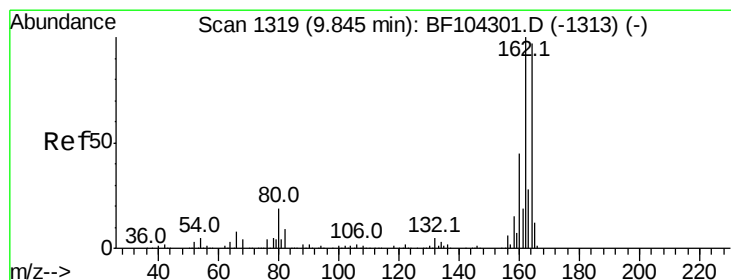
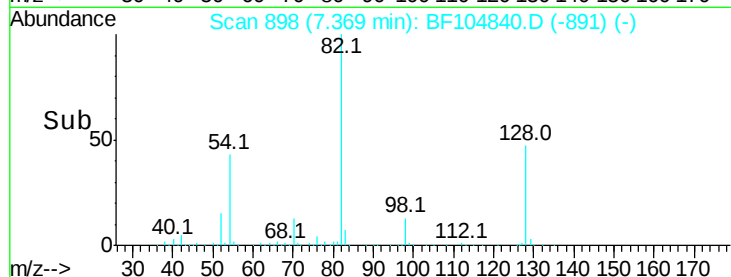
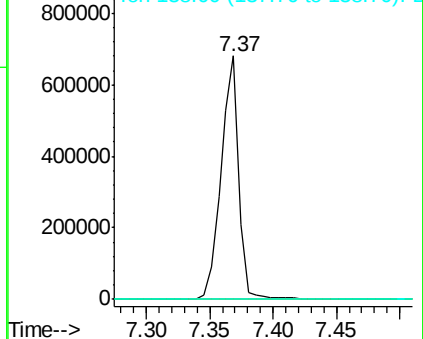
138 0.0 14.9 22.3#



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: BF104840.D

Acq: 26 Apr 2018 16:41

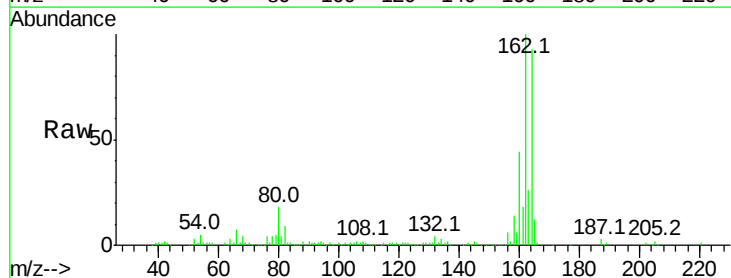
Tgt Ion: 164 Resp: 184041

Ion Ratio Lower Upper

164 100

162 108.0 86.1 129.1

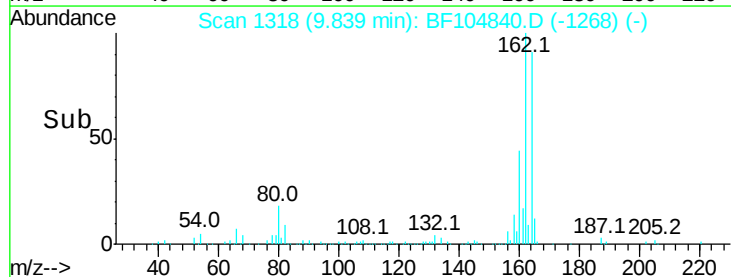
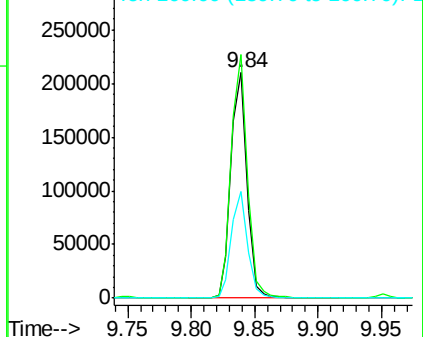
160 47.4 38.3 57.5

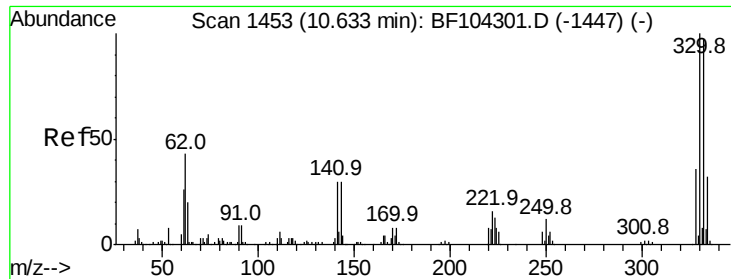


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

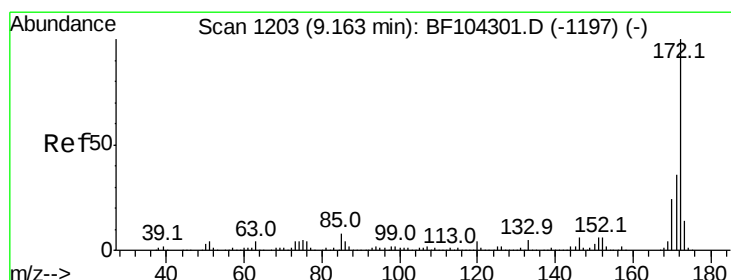
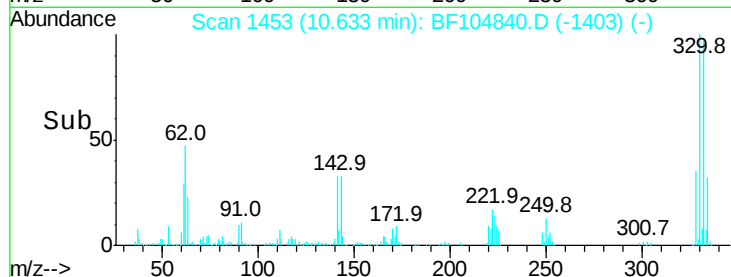
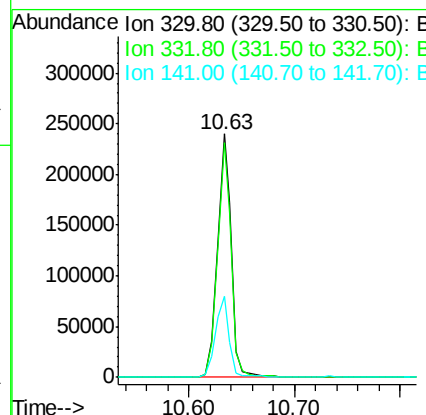
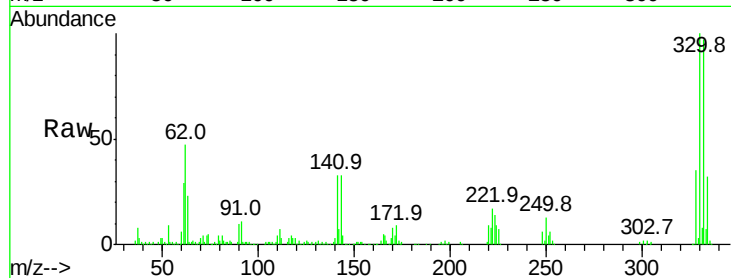




#41
 2,4,6-Tribromophenol
 Concen: 117.225 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

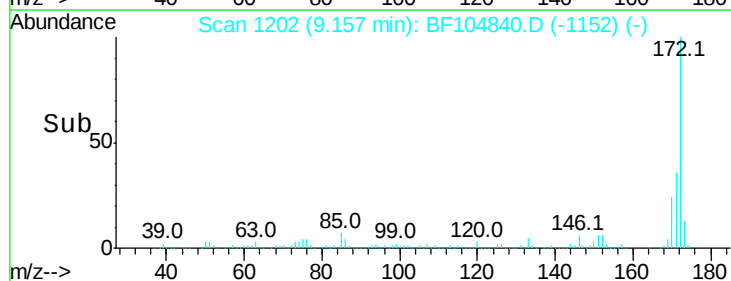
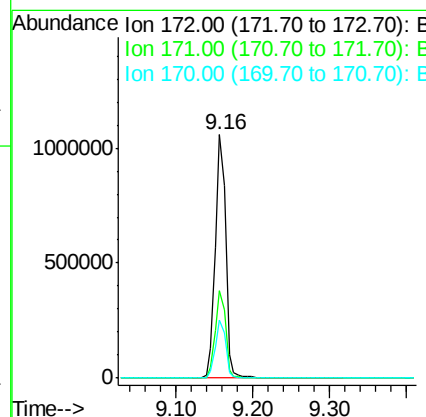
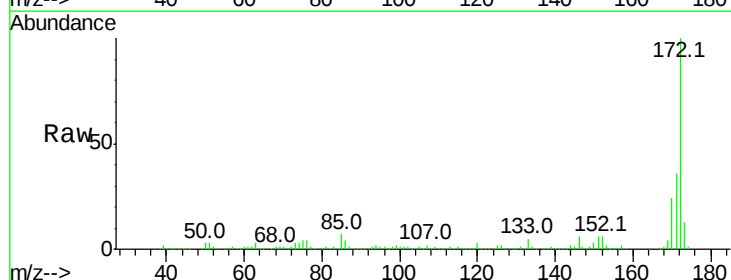
Instrument :
 BNA_F
 ClientSampleId :

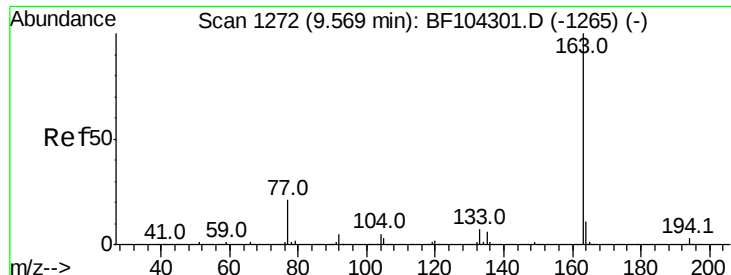
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	33.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 84.709 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4

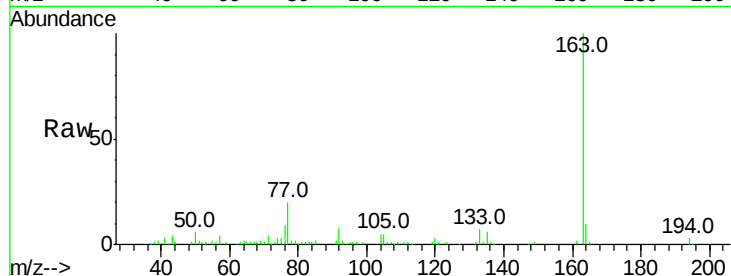




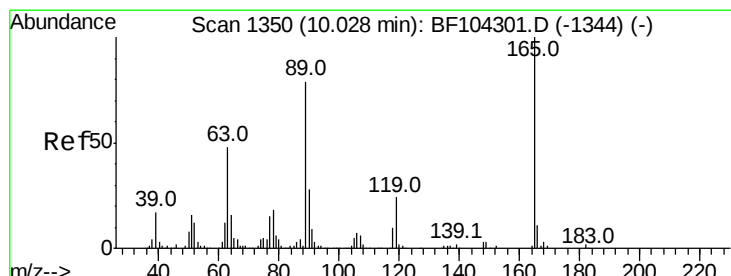
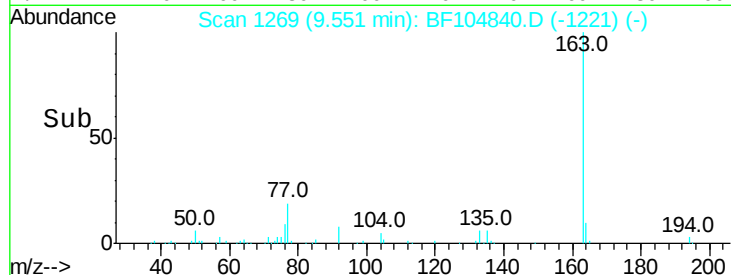
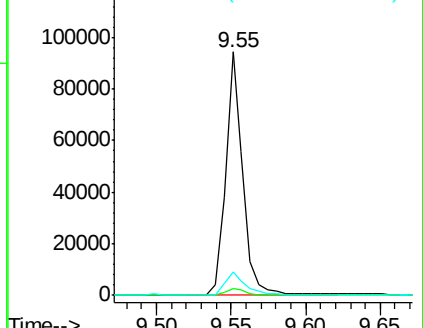
#49
Dimethylphthalate
Concen: 5.285 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76695
Ion Ratio Lower Upper
163 100
194 3.0 2.7 4.1
164 9.8 8.2 12.2

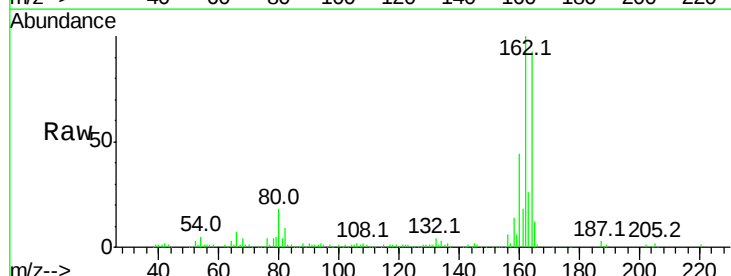


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

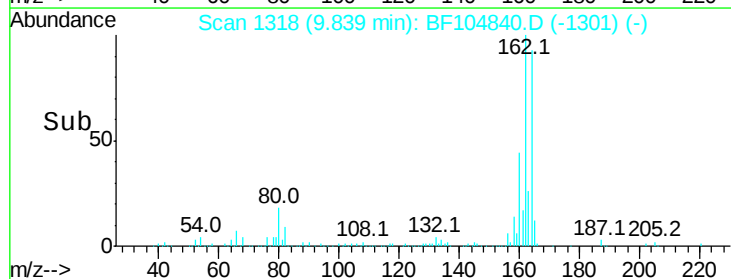
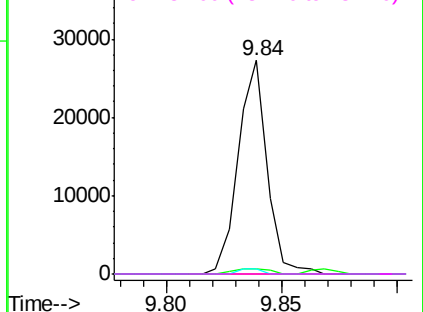


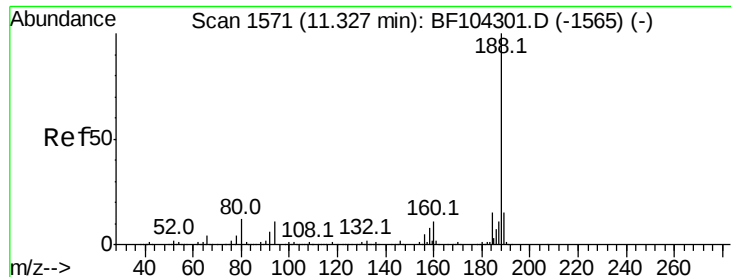
#56
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Tgt Ion:165 Resp: 23810
Ion Ratio Lower Upper
165 100
63 2.3 36.4 54.6#
89 2.5 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

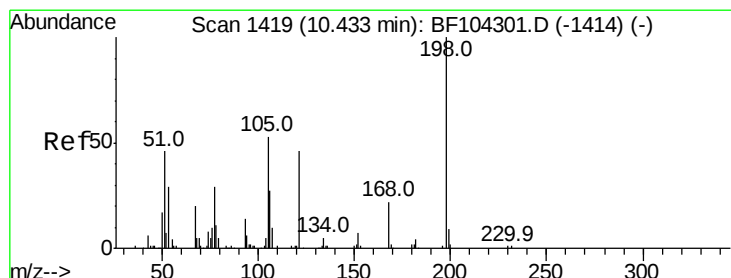
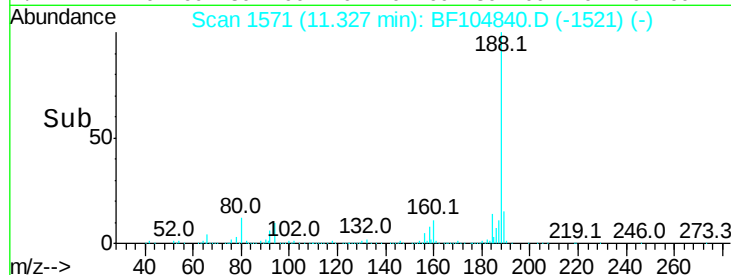
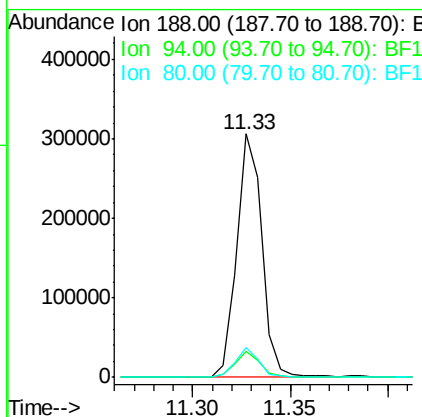
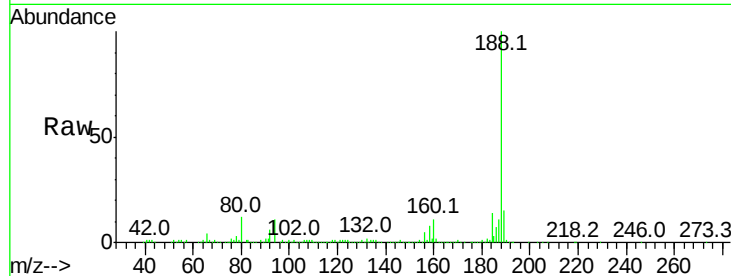




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

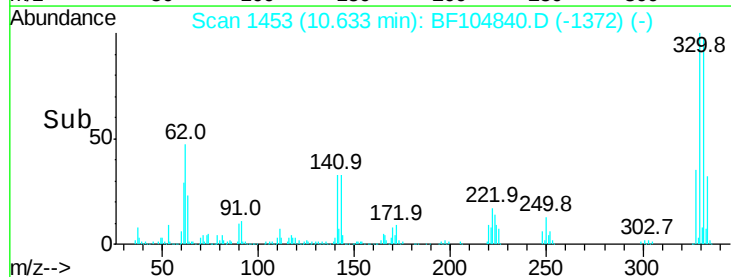
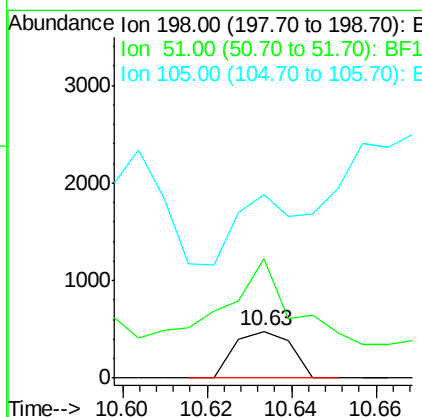
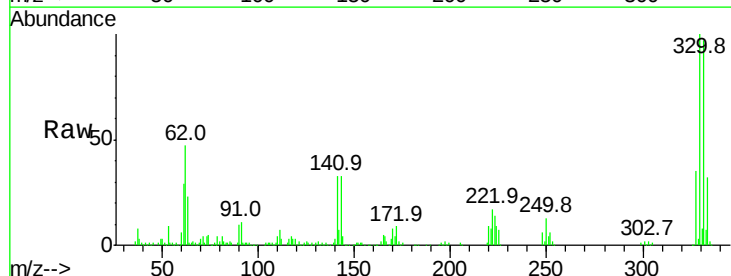
Instrument :
 BNA_F
 ClientSampleId :

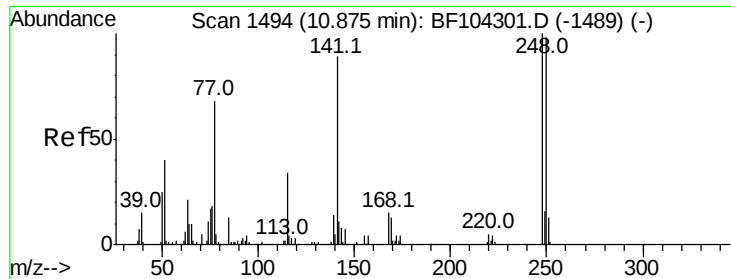
Tot Ion:188 Resp: 273701
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 12.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.628 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104840.D
 Acq: 26 Apr 2018 16:41

Tgt Ion:198 Resp: 442
 Ion Ratio Lower Upper
 198 100
 51 256.1 37.7 77.7#
 105 393.1 36.3 76.3#

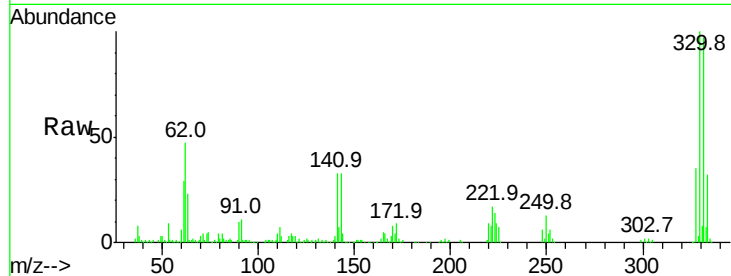




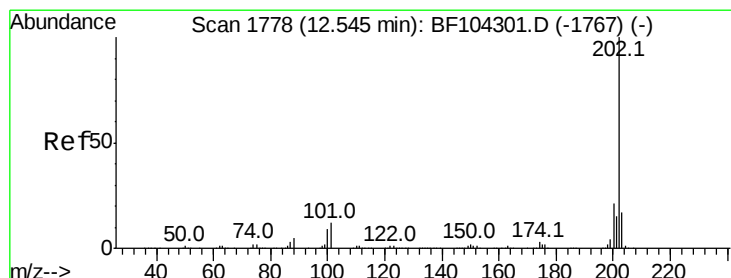
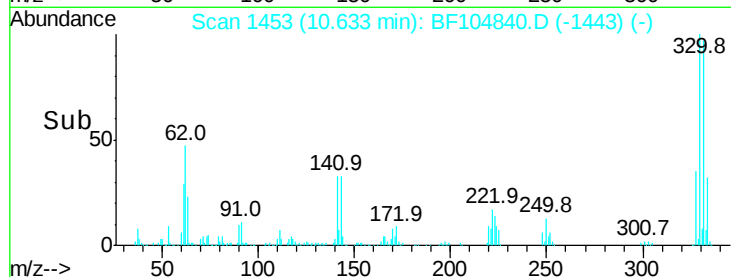
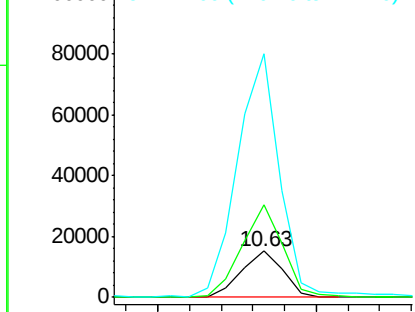
#66
4-Bromophenyl-phenylether
Concen: 4.700 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 13683
Ion Ratio Lower Upper
248 100
250 199.3 76.9 115.3#
141 524.1 74.4 111.6#

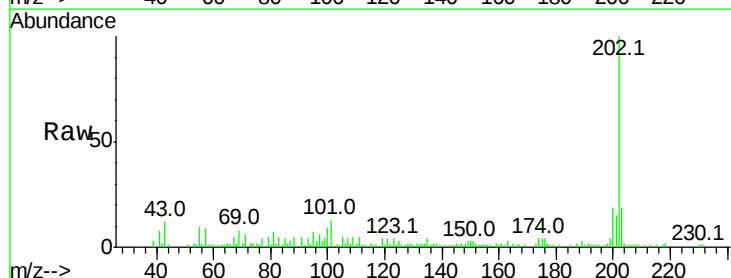


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

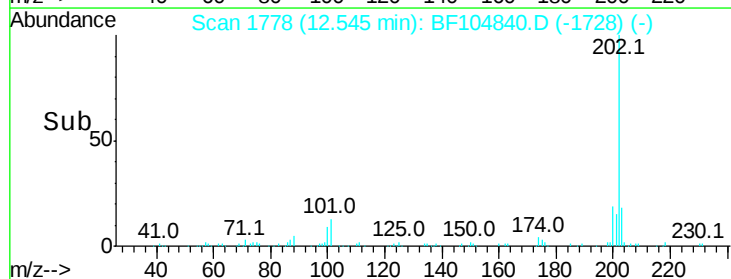
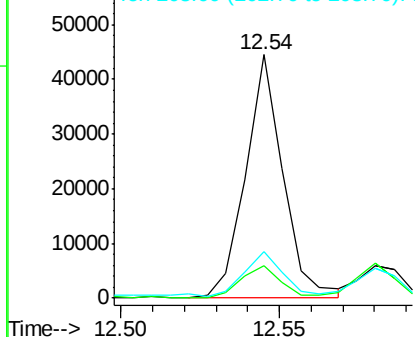


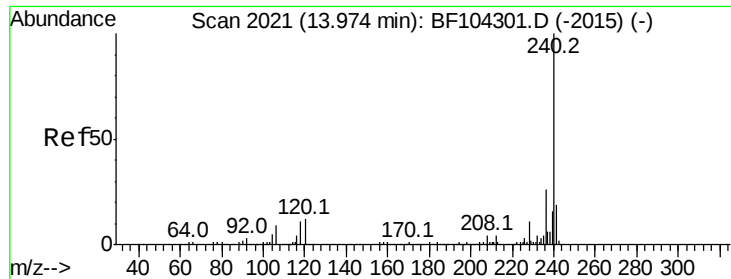
#74
Fluoranthene
Concen: 2.296 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Tgt Ion:202 Resp: 36562
Ion Ratio Lower Upper
202 100
101 13.2 0.0 34.1
203 19.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Instrument :

BNA_F

ClientSampleId :

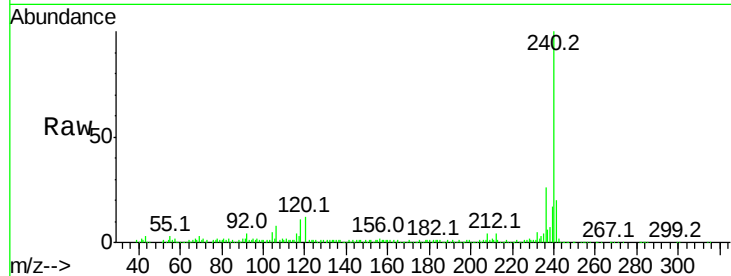
Tot Ion:240 Resp: 236015

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

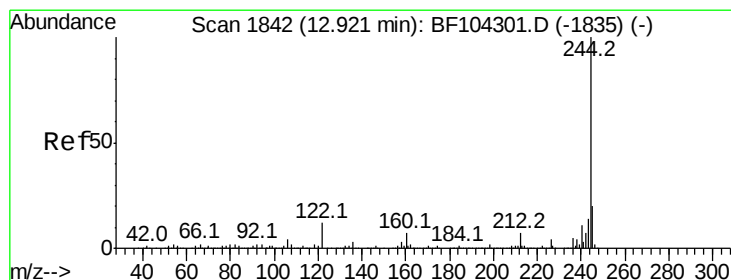
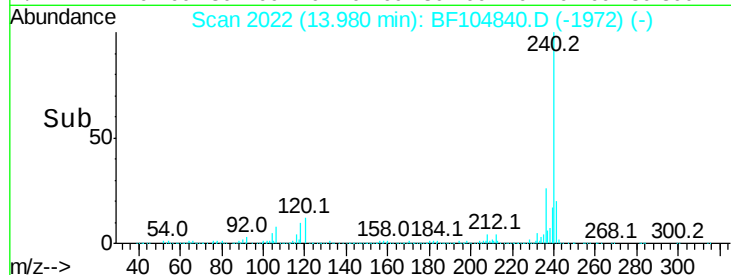
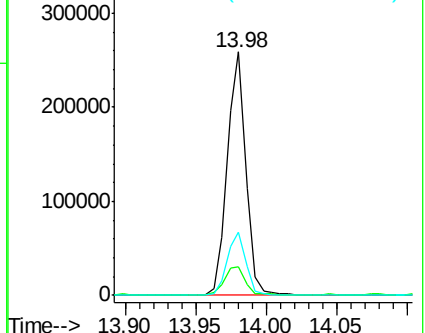
236 26.2 20.7 31.1



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: 63.863 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

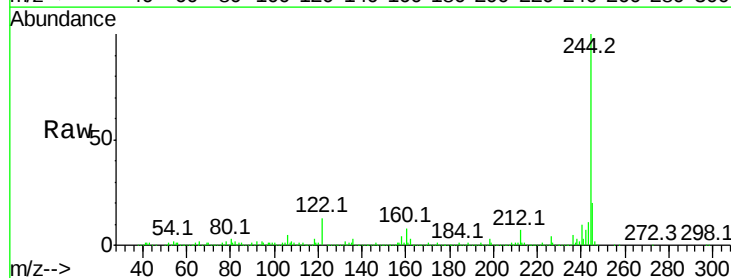
Tgt Ion:244 Resp: 661134

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

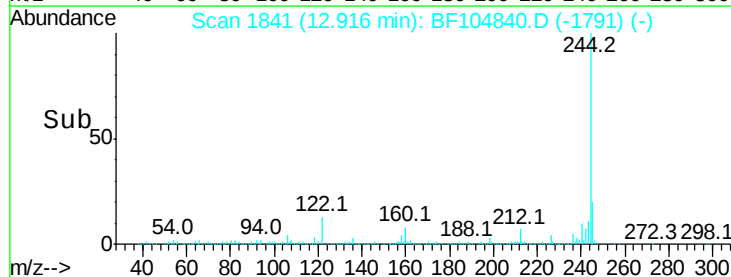
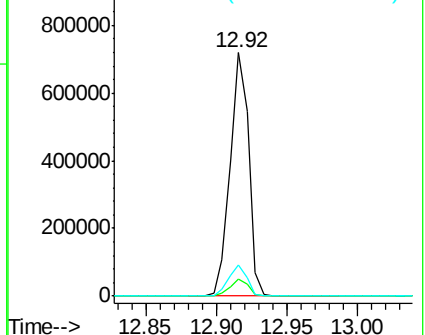
122 13.0 11.0 16.4

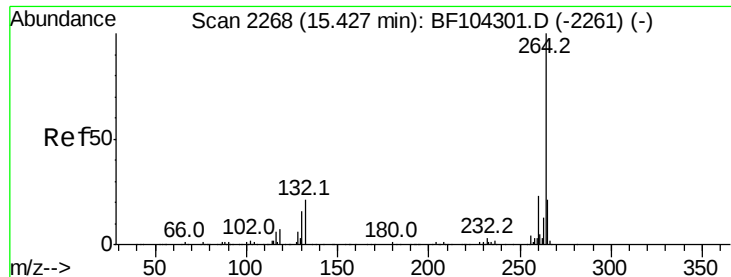


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



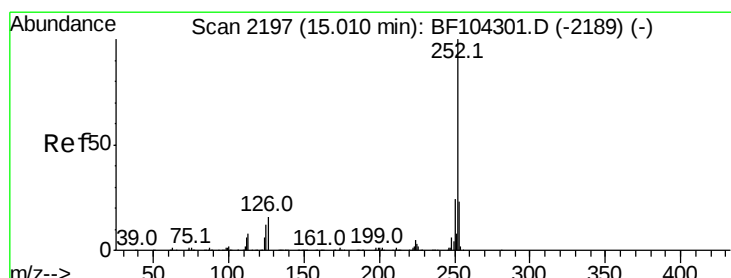
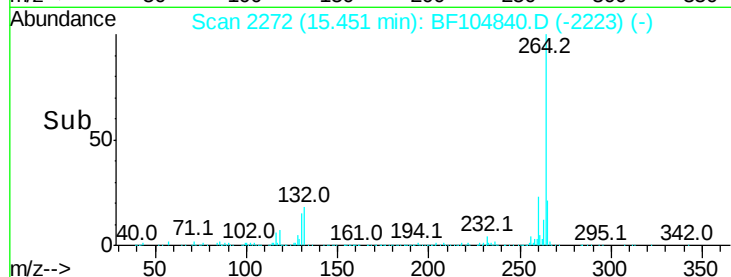
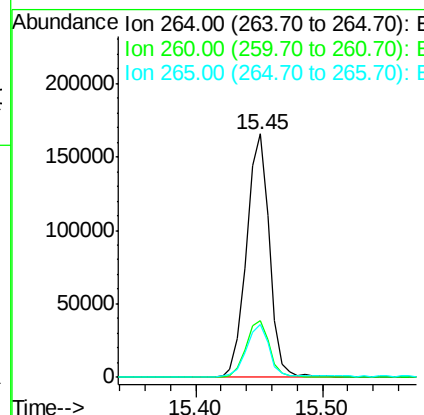
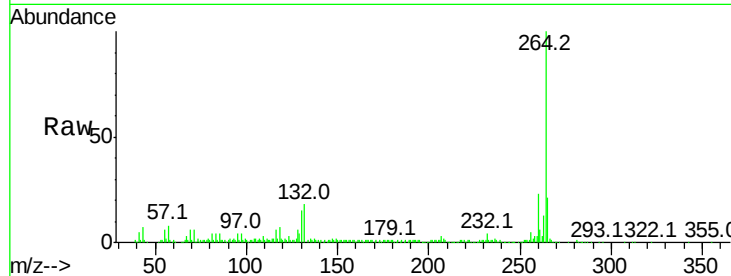


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 206708

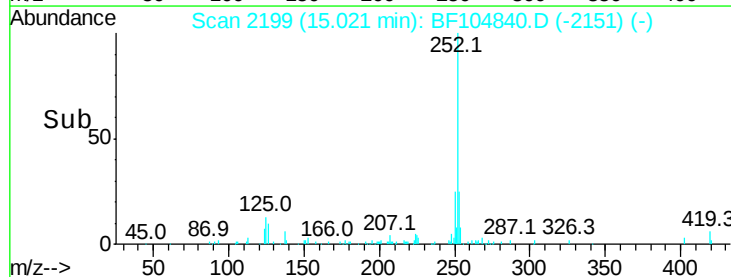
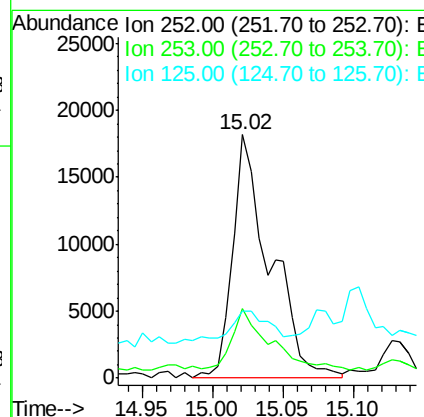
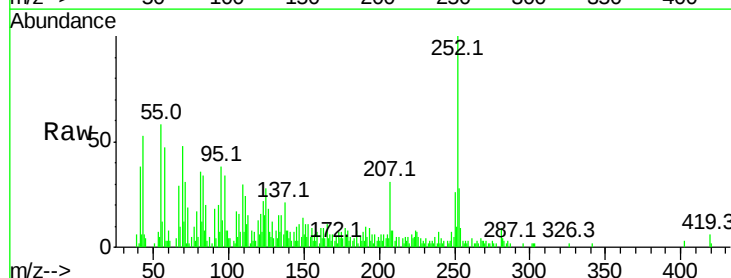
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.5	17.5	26.3

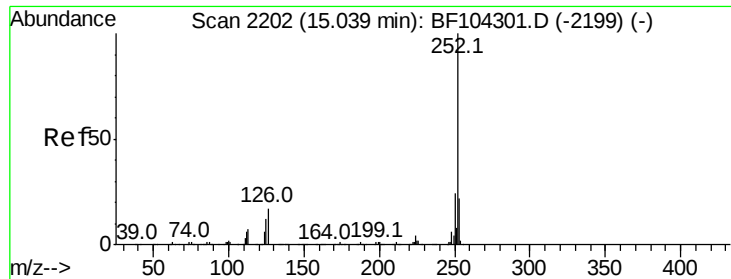


#87
Benzo(b)fluoranthene
Concen: 2.589 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104840.D
Acq: 26 Apr 2018 16:41

Tgt Ion:252 Resp: 33800

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	27.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.742 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104840.D

Acq: 26 Apr 2018 16:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 33800

Ion Ratio Lower Upper

252 100

253 28.3 17.9 26.9#

125 27.7 10.2 15.2#

