

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104322.D
 Acq On : 6 Apr 2018 22:49
 Operator : JU/SJ
 Sample : J2212-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 00:23:44 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	140054	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	565189	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	249406	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	386607	20.00	ng	0.00
75) Chrysene-d12	13.97	240	287553	20.00	ng	0.00
86) Perylene-d12	15.43	264	286291	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	865374	94.48	ng	0.00
7) Phenol-d6	6.43	99	1095382	97.33	ng	0.00
23) Nitrobenzene-d5	7.37	82	636156	73.50	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	221058	85.44	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1003346	63.55	ng	0.00
78) Terphenyl-d14	12.92	244	752710	59.68	ng	0.00

Target Compounds

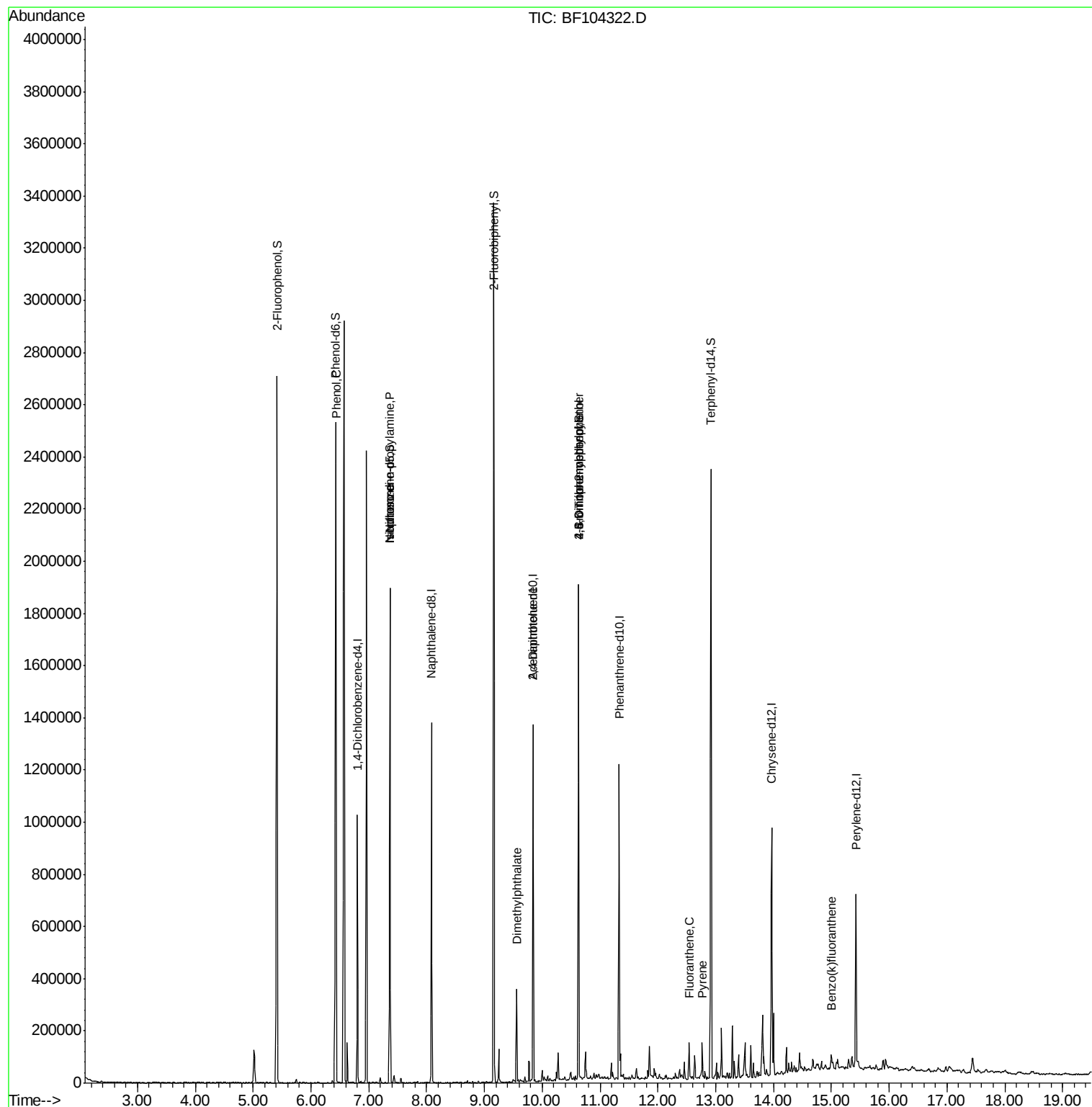
						Qvalue
9) Benzaldehyde	6.43	77	1961	Below Cal	#	1
10) Phenol	6.44	94	36024	3.017 ng		97
19) n-Nitroso-di-n-propylamine	7.37	70	82981	11.284 ng	#	74
25) Isophorone	7.37	82	635818	34.738 ng	#	64
49) Dimethylphthalate	9.56	163	133688	6.797 ng		98
56) 2,4-Dinitrotoluene	9.84	165	31045	6.503 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.63	198	312	7.487 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	13762	3.347 ng	#	1
74) Fluoranthene	12.54	202	46848	2.083 ng		95
76) Benzidine	12.92	184	10883	Below Cal		97
77) Pyrene	12.77	202	52296	2.454 ng		99
88) Benzo(k)fluoranthene	15.00	252	34625	2.028 ng	#	91

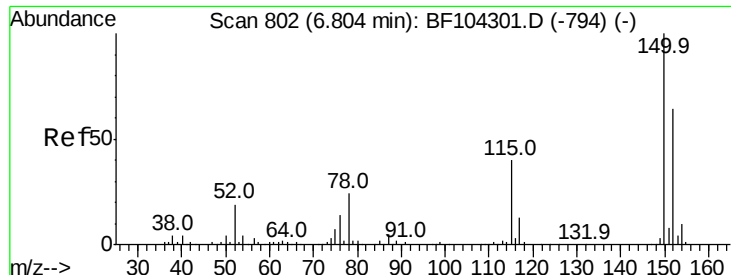
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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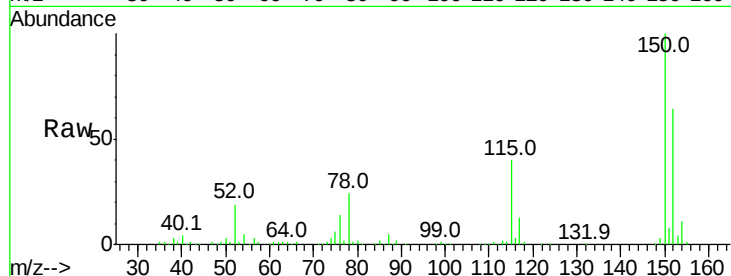


#1

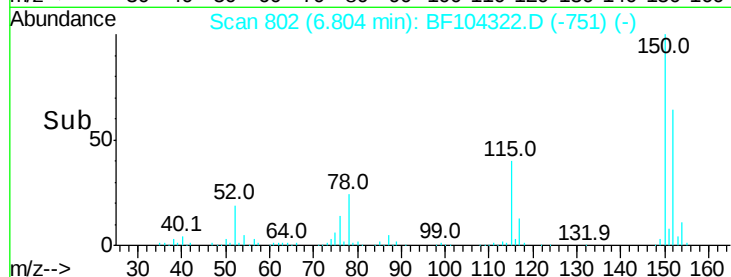
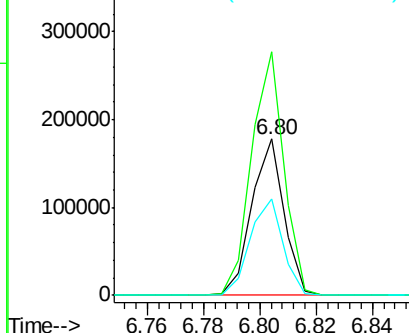
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140054
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 62.1 50.1 75.1



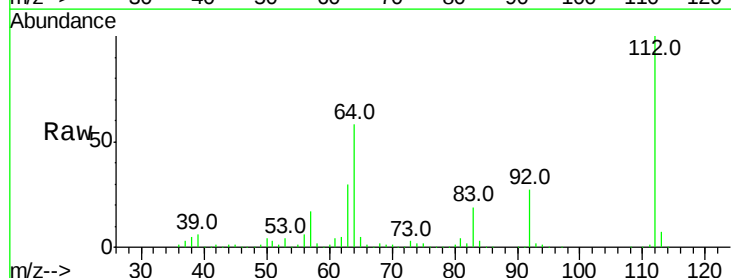
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



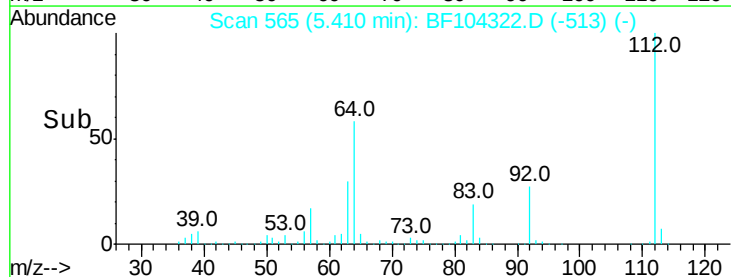
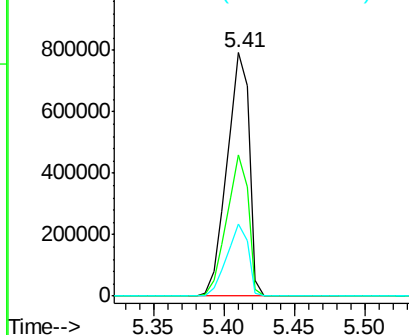
#5

2-Fluorophenol
Concen: 94.478 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Tgt Ion:112 Resp: 865374
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.8 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: 97.332 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

Instrument :

BNA_F

ClientSampled :

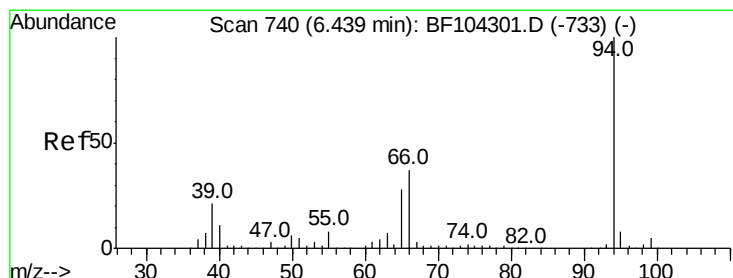
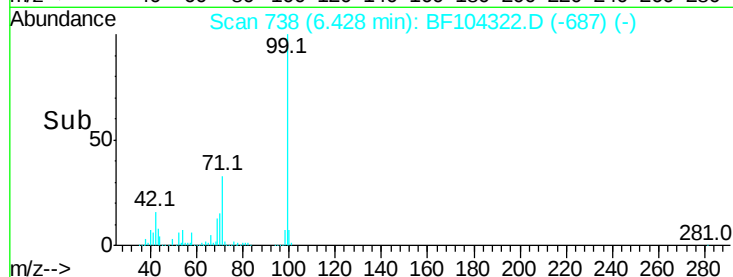
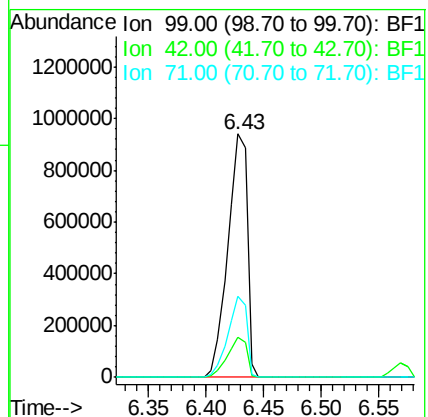
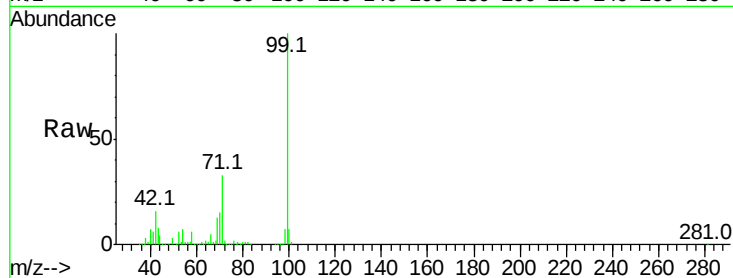
Tot Ion: 99 Resp: 1095382

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 33.3 25.4 38.0



#10

Phenol

Concen: 3.017 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

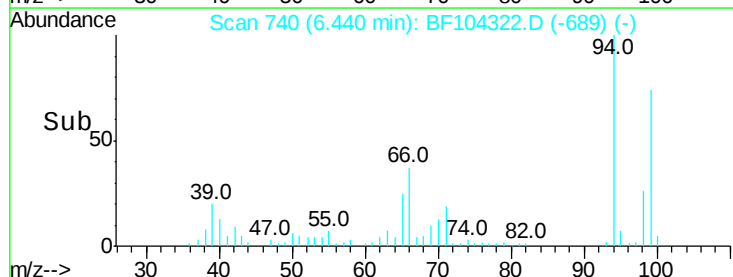
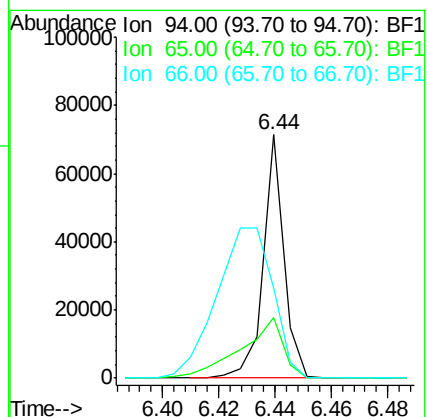
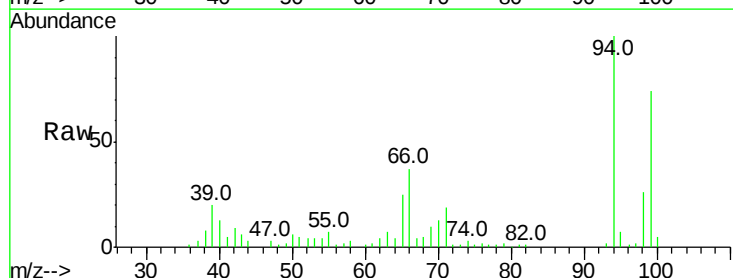
Tgt Ion: 94 Resp: 36024

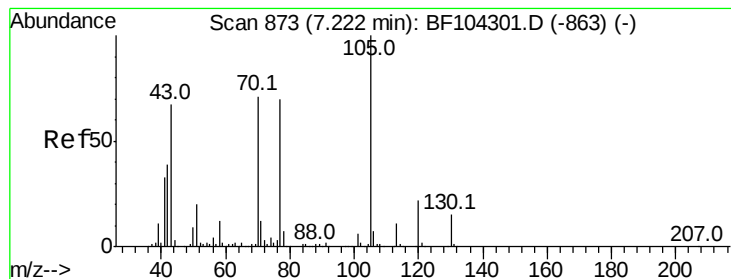
Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

66 37.1 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.284 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82981

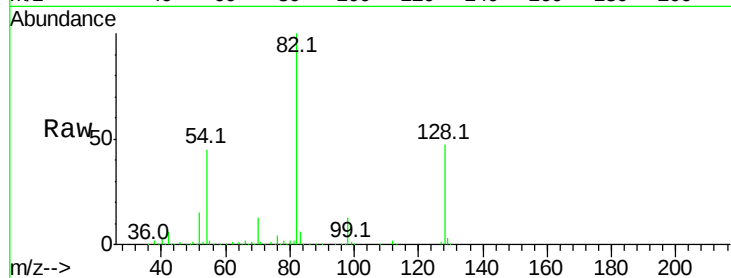
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

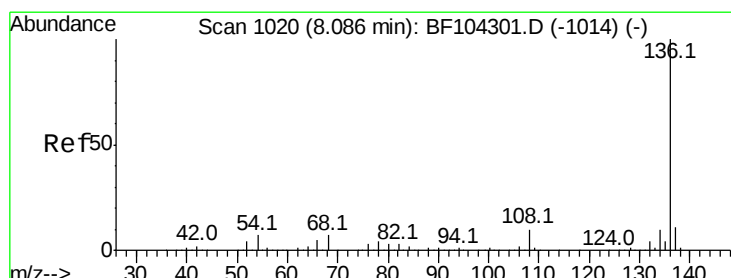
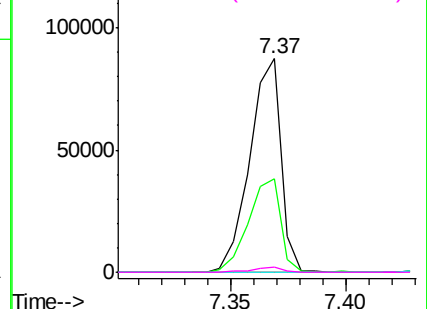
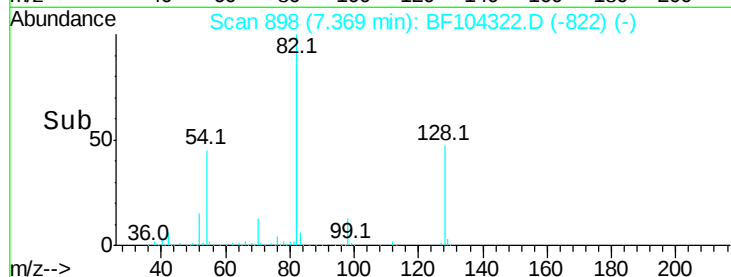


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

Tgt Ion:136 Resp: 565189

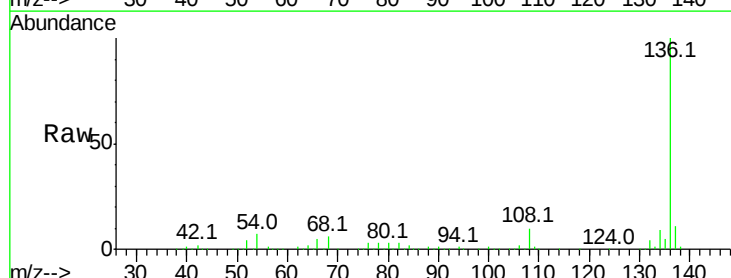
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4

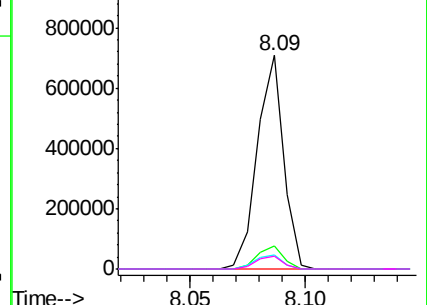
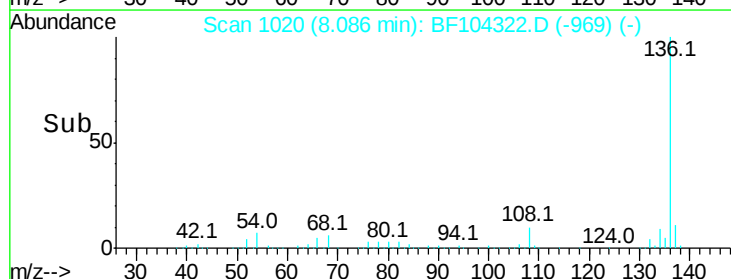


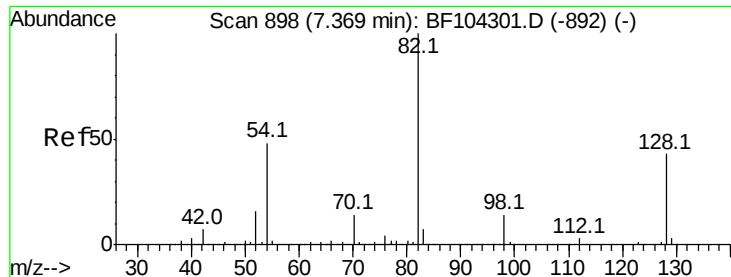
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

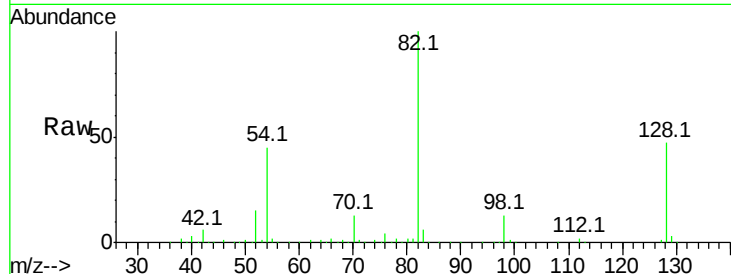




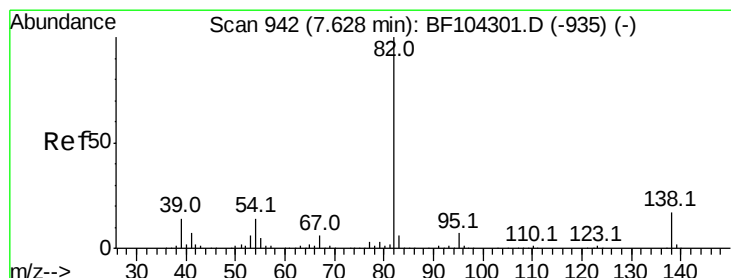
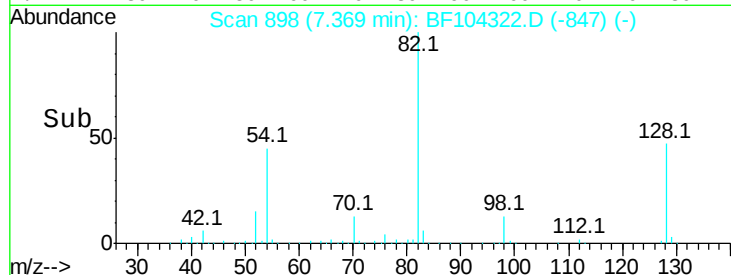
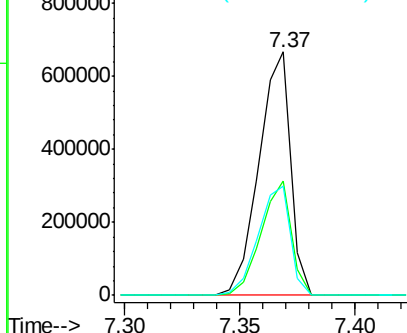
#23
 Nitrobenzene-d5
 Concen: 73.497 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 636156
 Ion Ratio Lower Upper
 82 100
 128 46.9 36.1 54.1
 54 45.1 41.4 62.2

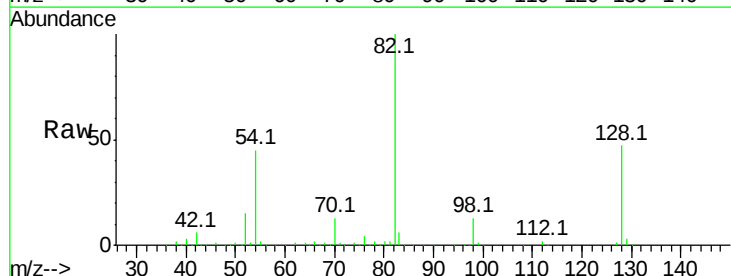


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

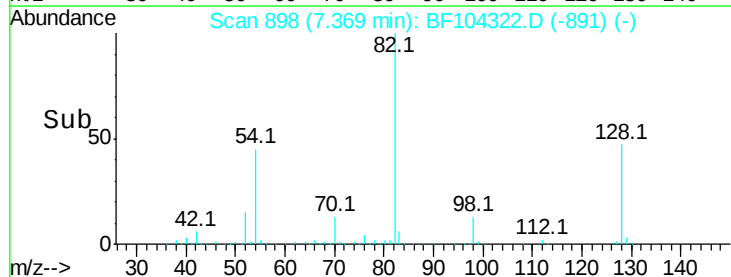
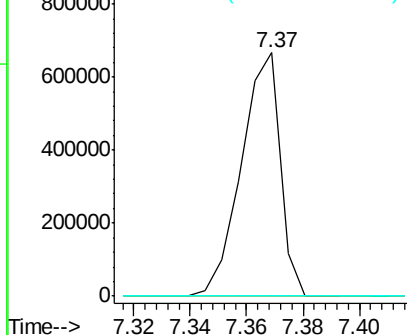


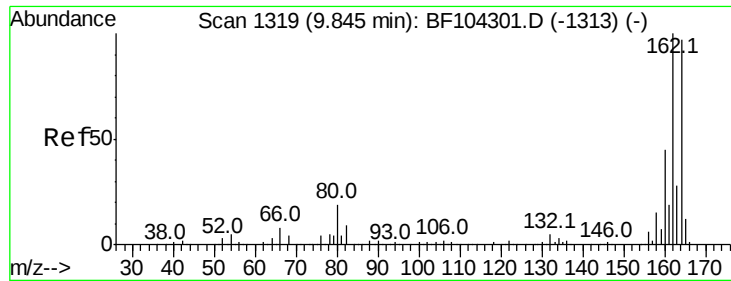
#25
 Isophorone
 Concen: 34.738 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

Tgt Ion: 82 Resp: 635818
 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

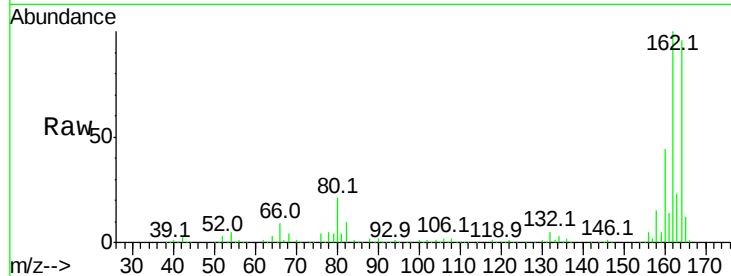




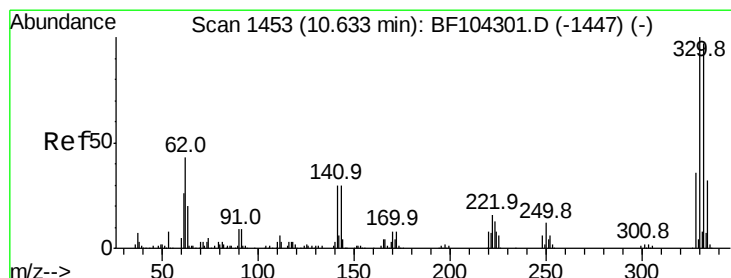
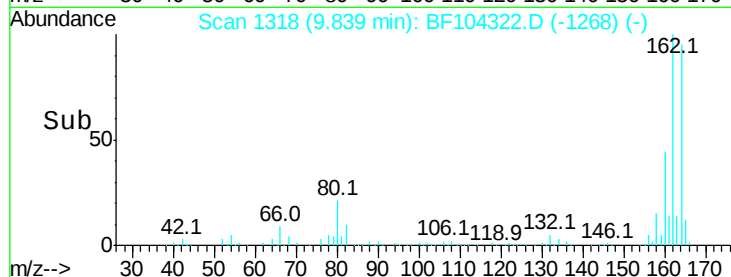
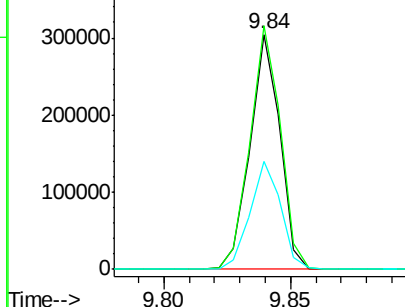
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.8	38.3	57.5

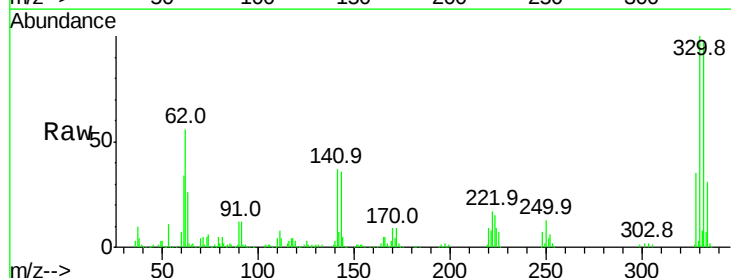


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

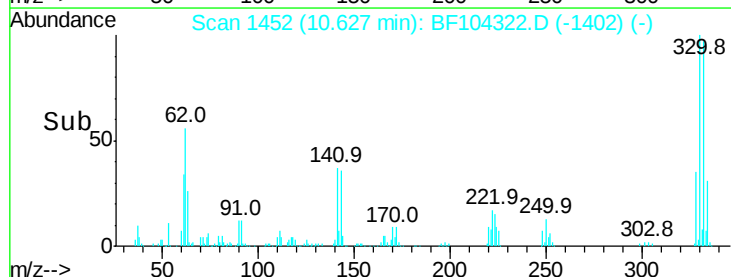
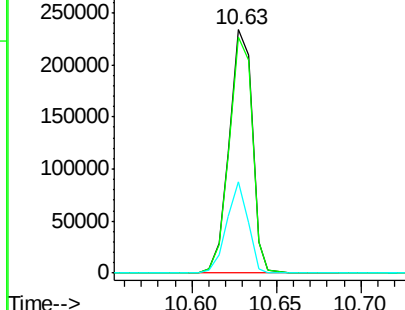


#41
 2,4,6-Tribromophenol
 Concen: 85.444 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	35.0	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

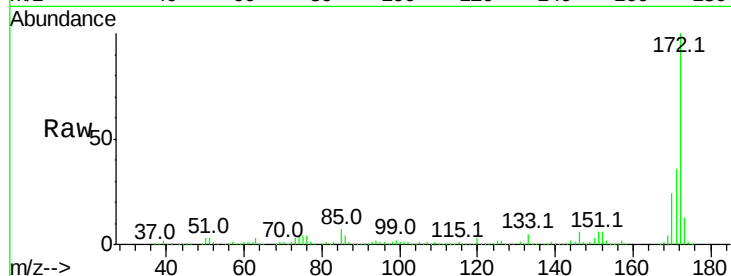




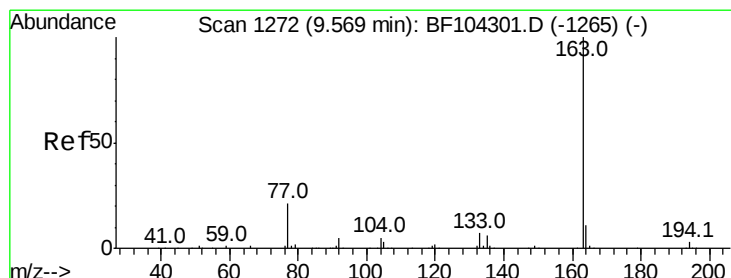
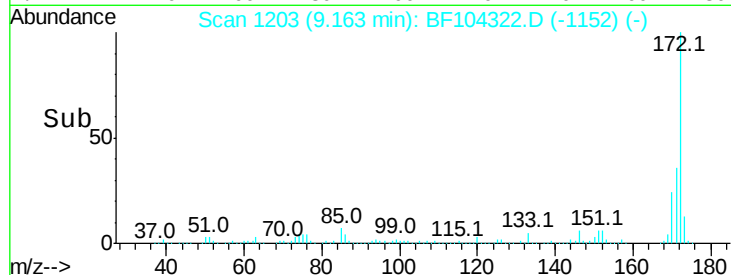
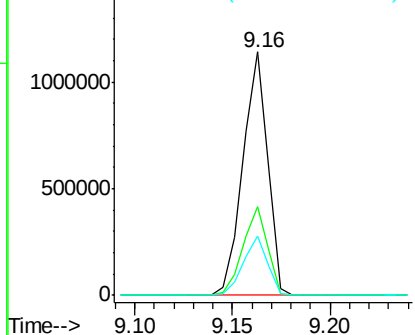
#44
2-Fluorobiphenyl
Concen: 63.552 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1003346
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.1 19.6 29.4

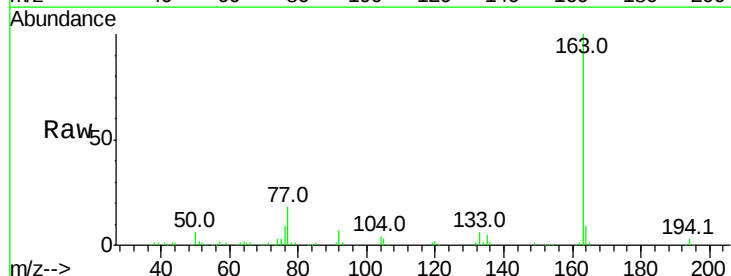


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

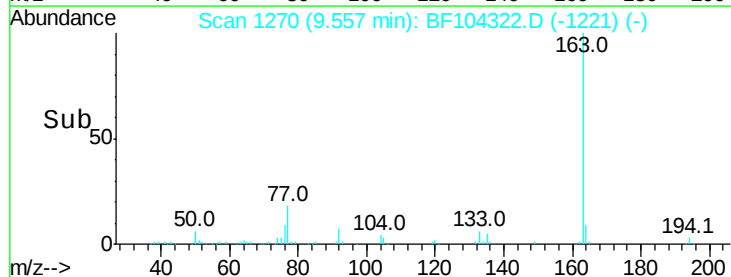
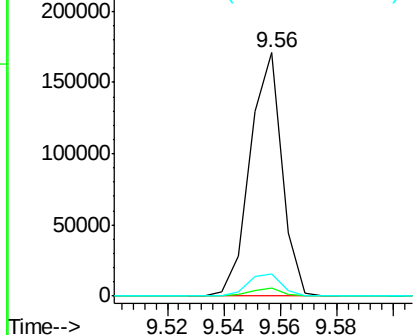


#49
Dimethylphthalate
Concen: 6.797 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Tgt Ion:163 Resp: 133688
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 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

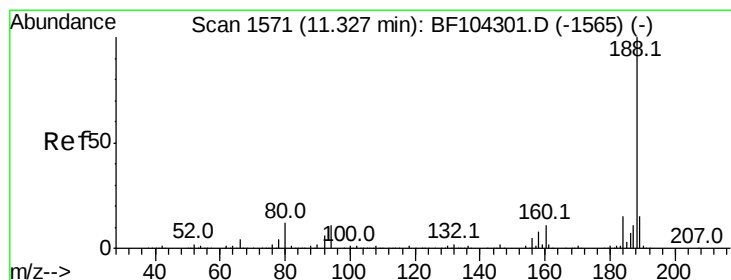
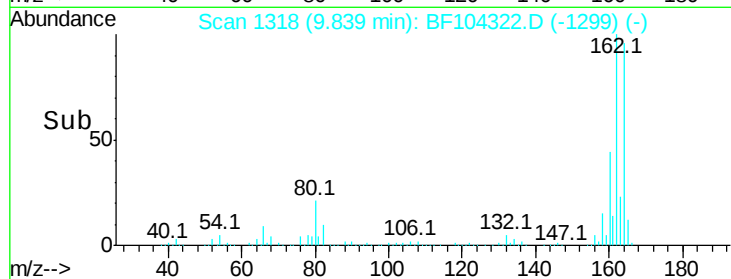
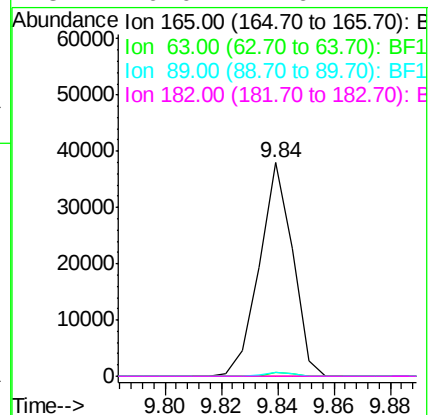
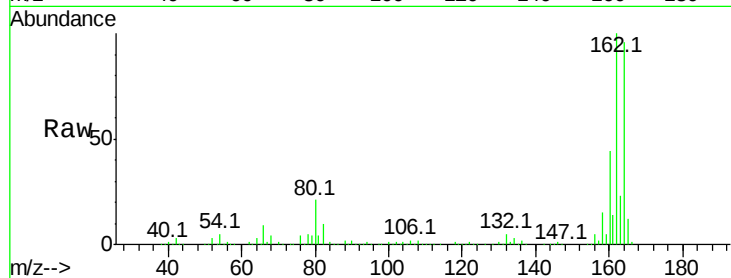




#56
 2,4-Dinitrotoluene
 Concen: 6.503 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

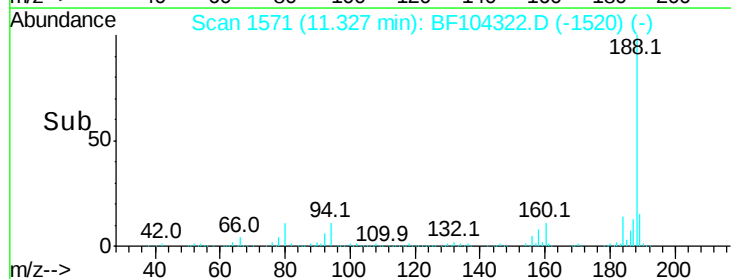
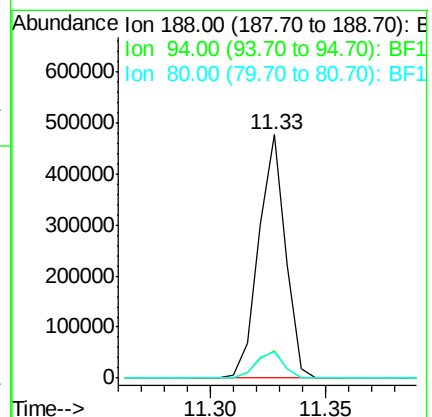
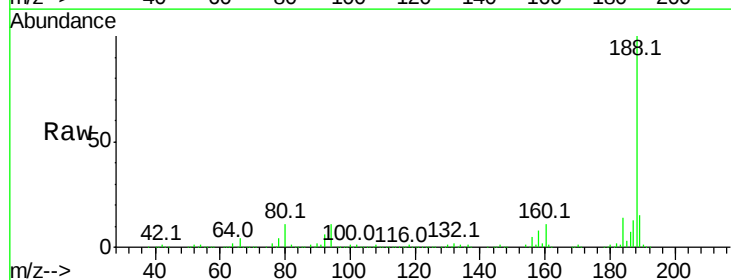
Instrument :
 BNA_F
 ClientSampleId :

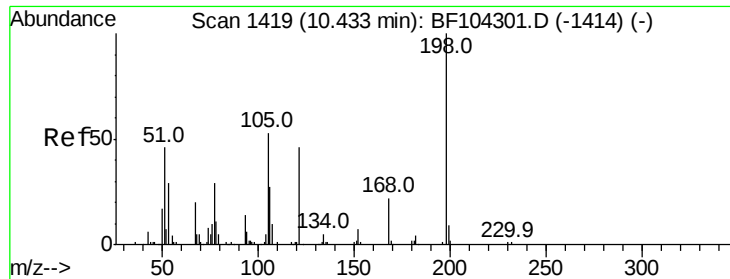
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104322.D
 Acq: 6 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	10.8	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.487 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

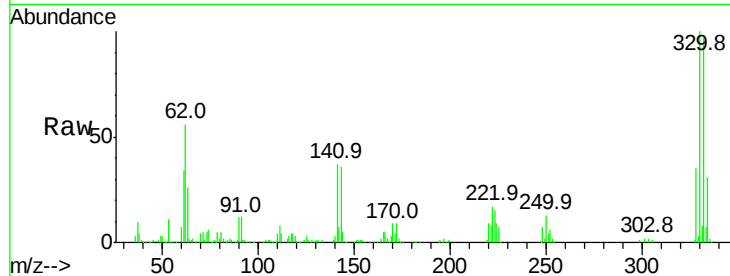
Tot Ion:198 Resp: 312

Ion Ratio Lower Upper

198 100

51 207.8 37.7 77.7#

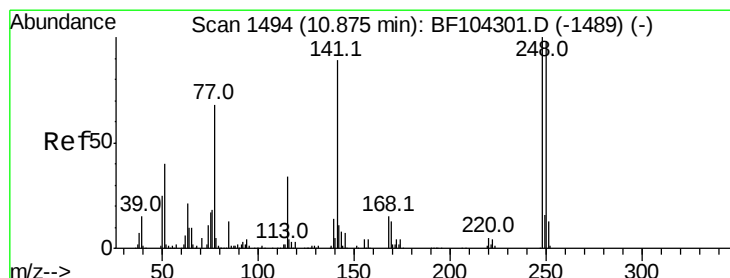
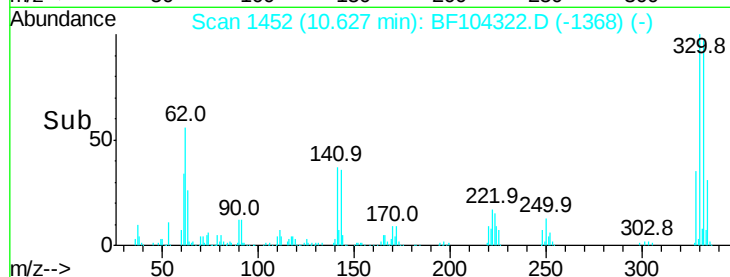
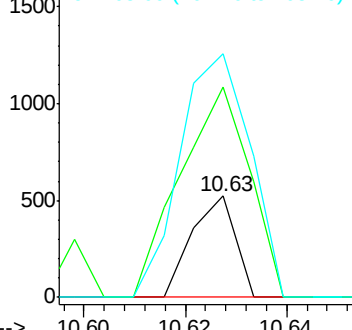
105 240.3 36.3 76.3#



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: 3.347 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

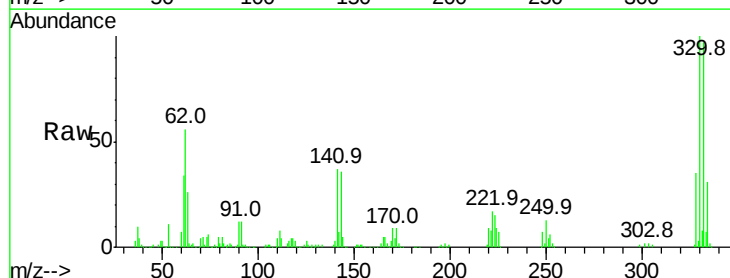
Tgt Ion:248 Resp: 13762

Ion Ratio Lower Upper

248 100

250 187.7 76.9 115.3#

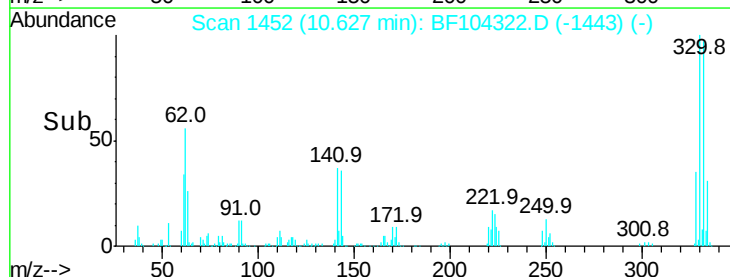
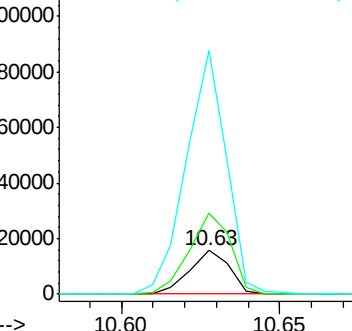
141 560.7 74.4 111.6#

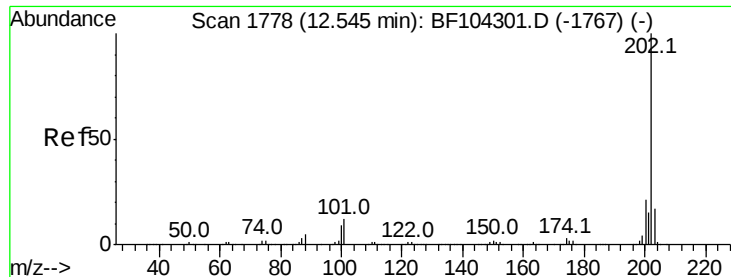


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.083 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

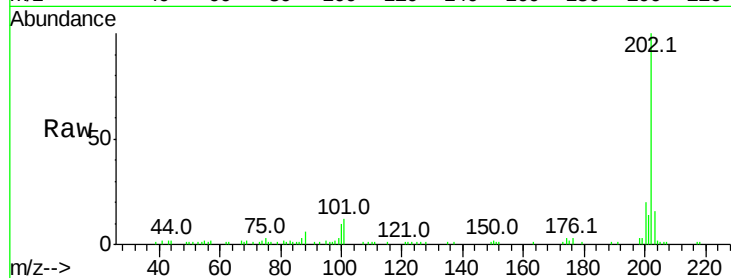
Tot Ion:202 Resp: 46848

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

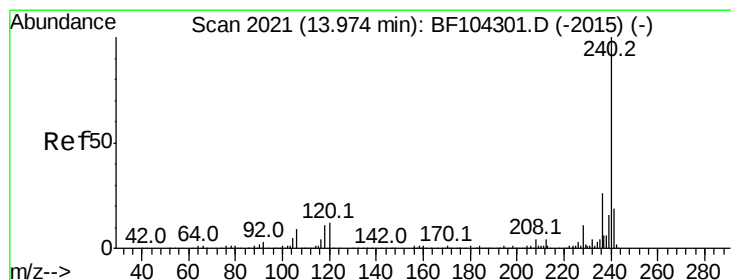
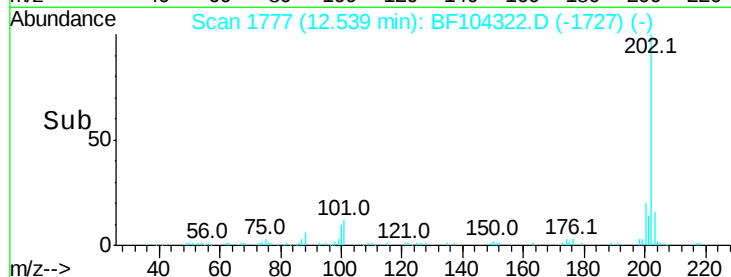
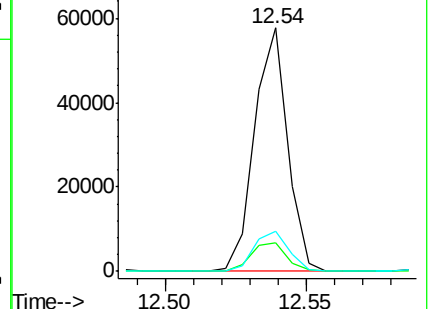
203 16.3 0.0 38.1



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104322.D

Acq: 6 Apr 2018 22:49

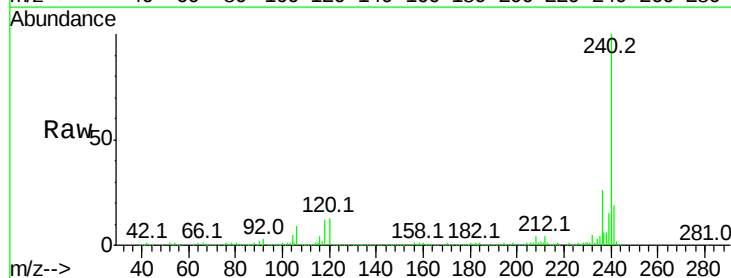
Tgt Ion:240 Resp: 287553

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

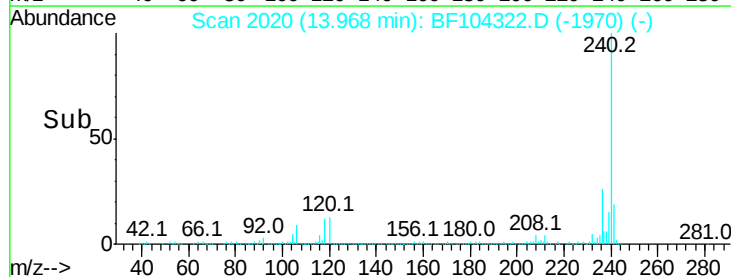
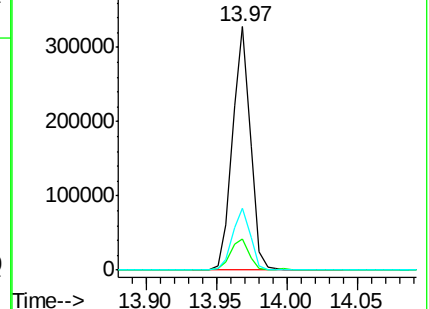
236 25.6 20.7 31.1

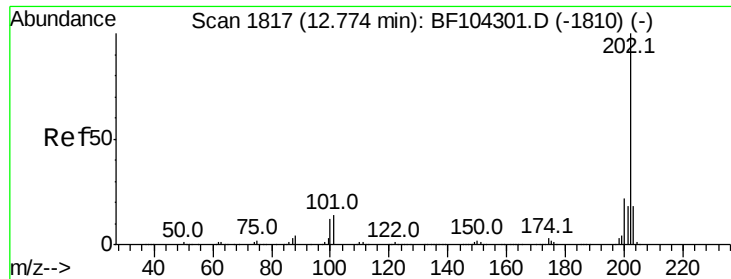


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

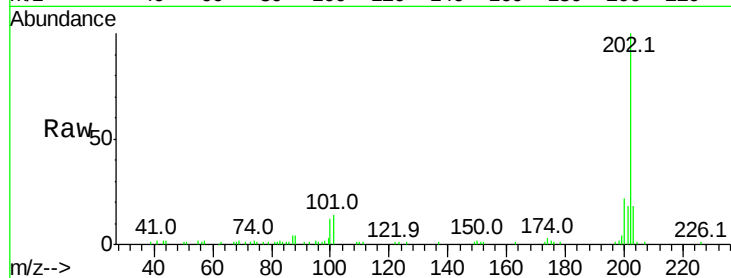




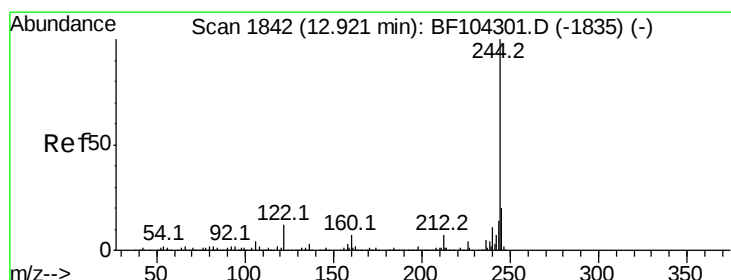
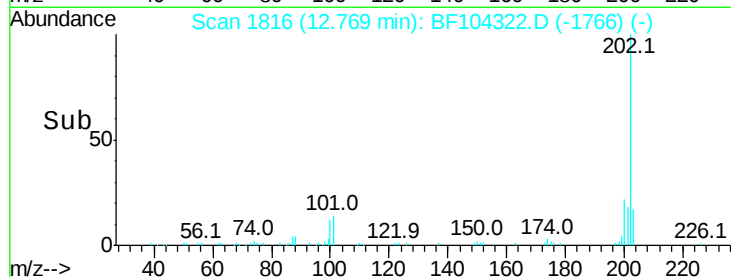
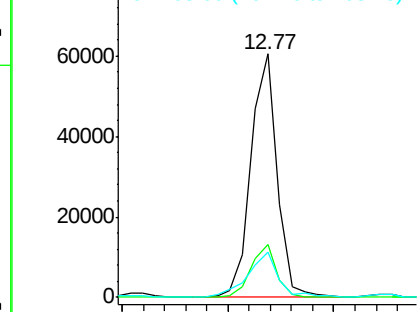
#77
Pvrene
Concen: 2.454 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 52296
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.4 14.3 21.5

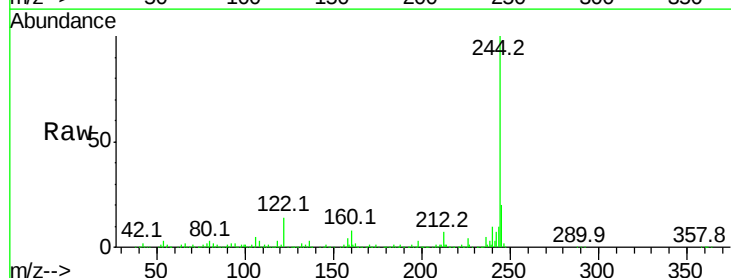


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

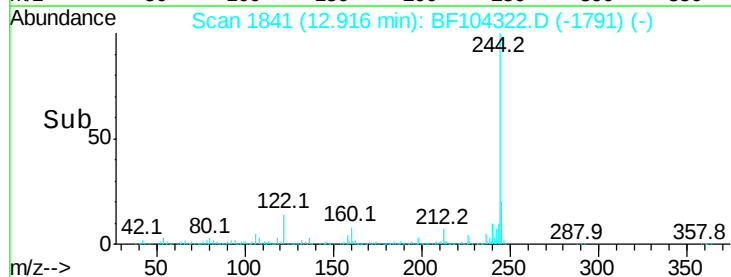
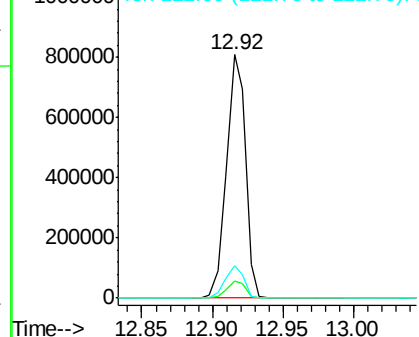


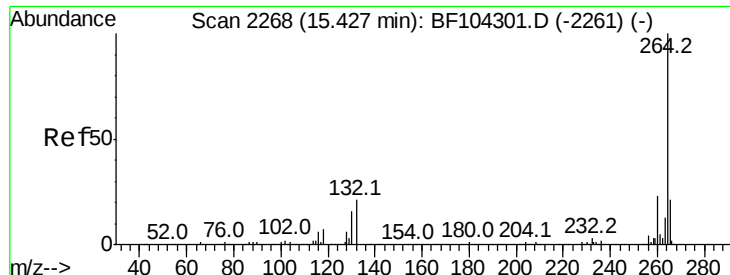
#78
Terphenyl-d14
Concen: 59.678 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Tgt Ion:244 Resp: 752710
Ion Ratio Lower Upper
244 100
212 7.1 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

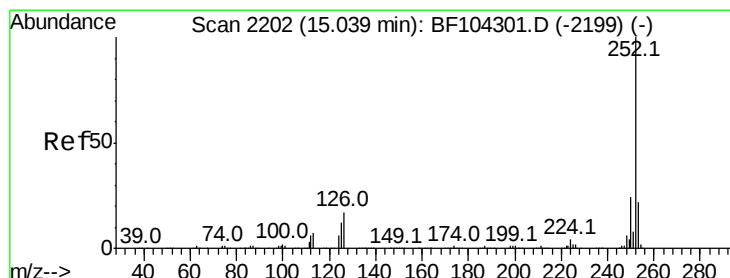
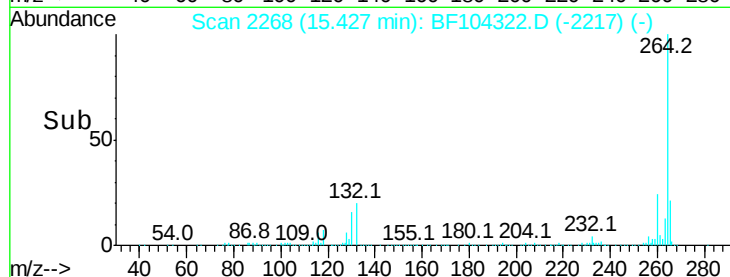
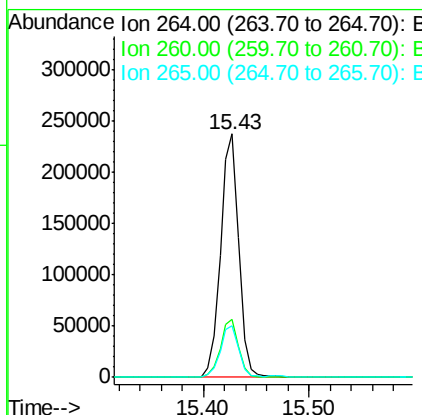
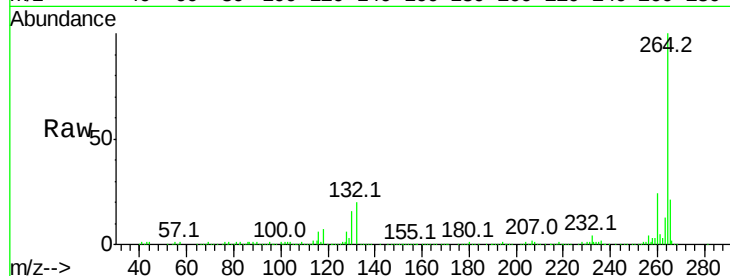




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 286291
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.1 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.028 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF104322.D
Acq: 6 Apr 2018 22:49

Tgt Ion:252 Resp: 34625
Ion Ratio Lower Upper
252 100
253 26.8 17.9 26.9
125 16.4 10.2 15.2#

