

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104412.D
 Acq On : 10 Apr 2018 16:47
 Operator : JU/SJ
 Sample : J2303-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 18:13:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

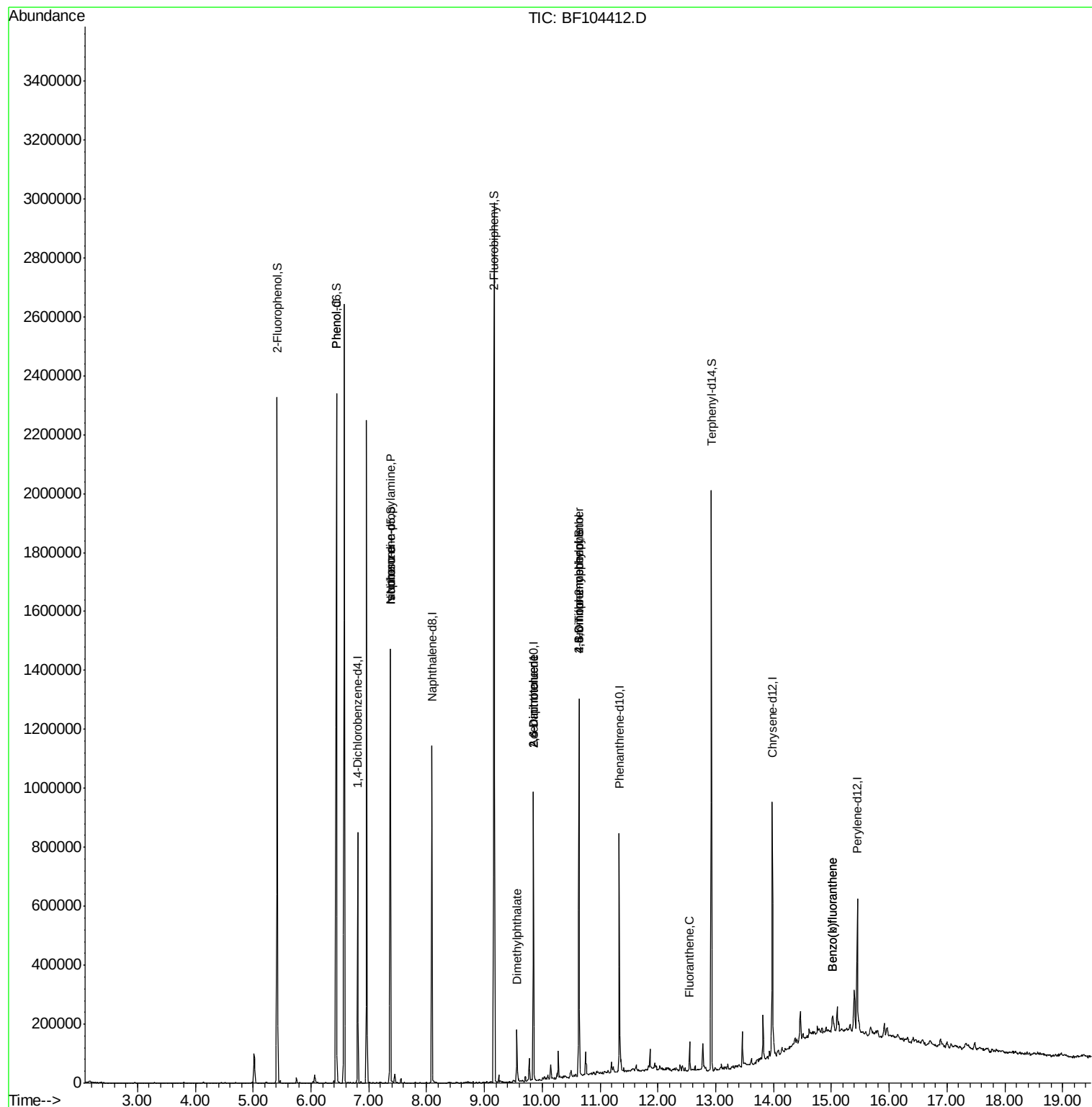
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123634	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	478834	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	183374	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	269671	20.00	ng	0.00
75) Chrysene-d12	13.98	240	270028	20.00	ng	0.00
86) Perylene-d12	15.45	264	192983	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	728509	90.10	ng	0.00
7) Phenol-d6	6.44	99	875571	88.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	525750	71.70	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	155742	81.88	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	856957	73.83	ng	0.00
78) Terphenyl-d14	12.93	244	679520	57.37	ng	0.00
Target Compounds						
10) Phenol	6.45	94	24472	2.322	ng	77
19) n-Nitroso-di-n-propylamine	7.37	70	68634	10.572	ng	# 73
25) Isophorone	7.37	82	523626	33.768	ng	# 64
49) Dimethylphthalate	9.56	163	62008	4.288	ng	100
50) 2,6-Dinitrotoluene	9.85	165	23562	8.806	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	23562	6.713	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	277	7.526	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9628	3.357	ng	# 1
74) Fluoranthene	12.54	202	38065	2.426	ng	99
76) Benzidine	12.92	184	8914	Below Cal		# 92
87) Benzo(b)fluoranthene	15.02	252	35097	2.880	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	35097	3.050	ng	# 91

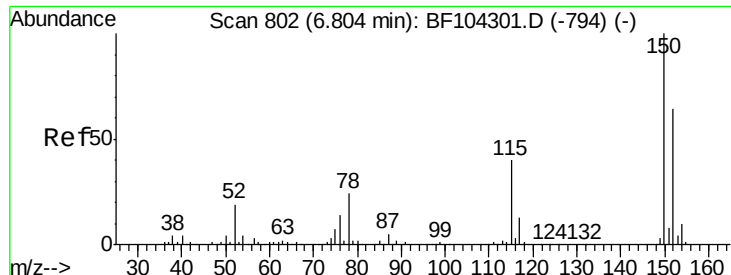
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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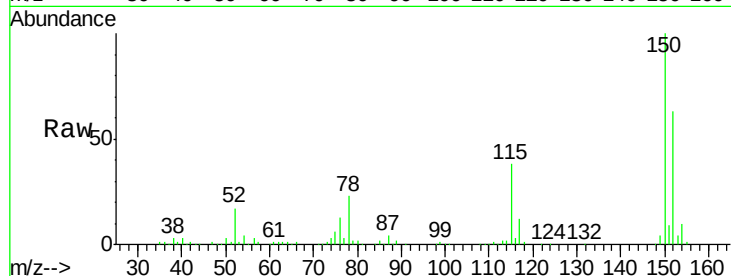


#1

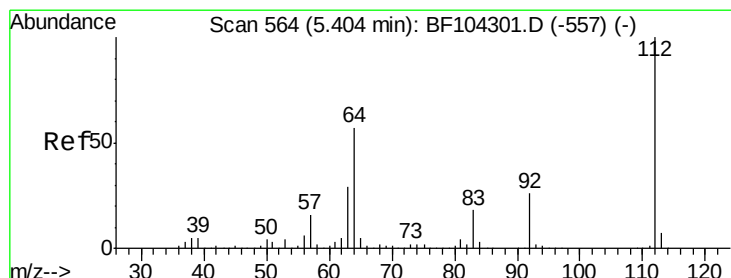
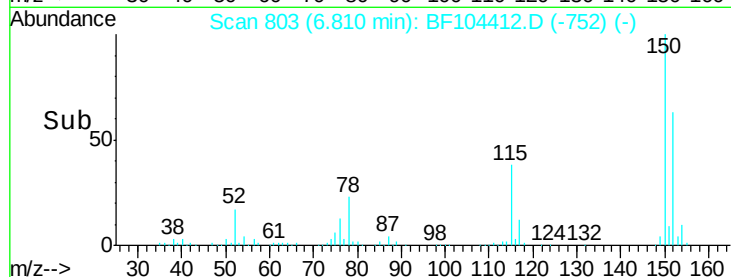
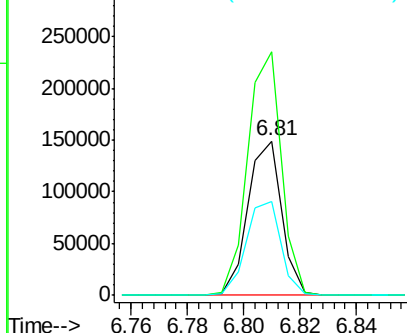
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	60.6	50.1	75.1



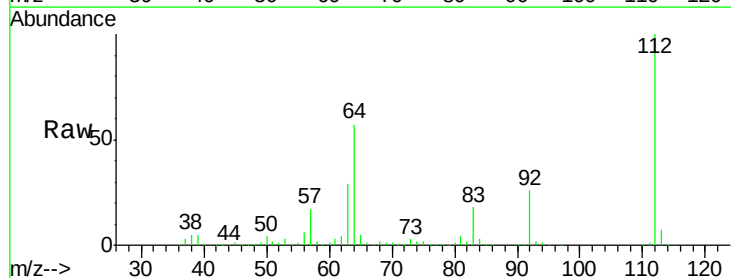
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



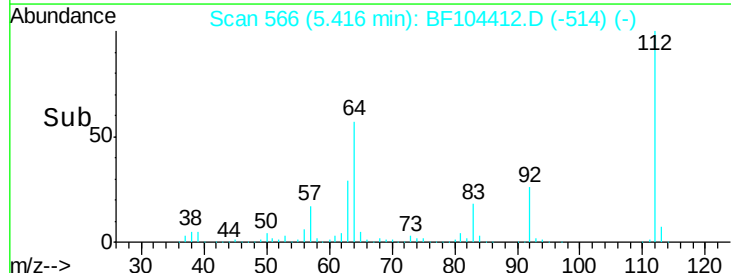
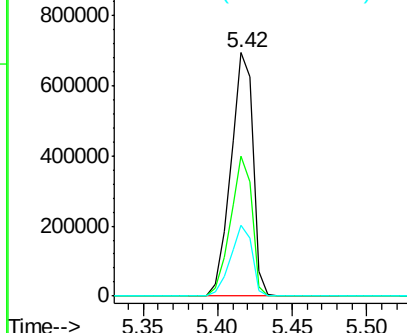
#5

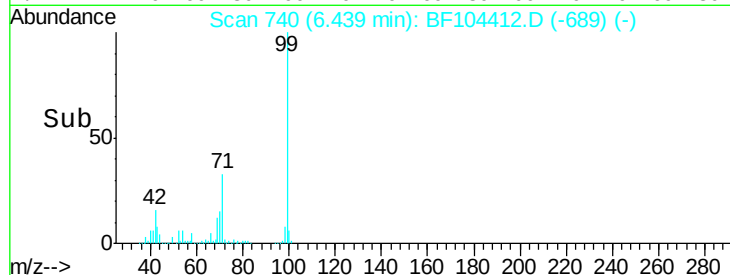
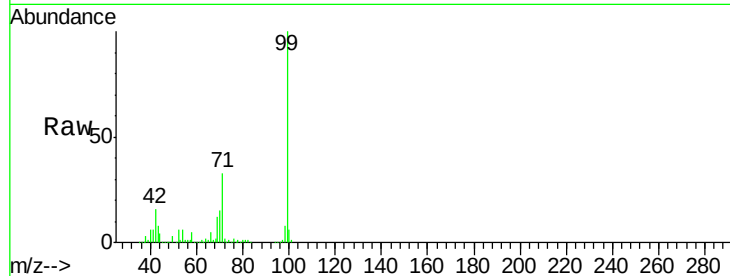
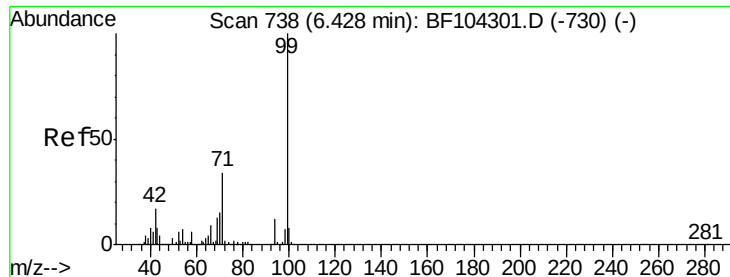
2-Fluorophenol
Concen: 90.099 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	29.0	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: 88.133 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

Instrument :

BNA_F

ClientSampled :

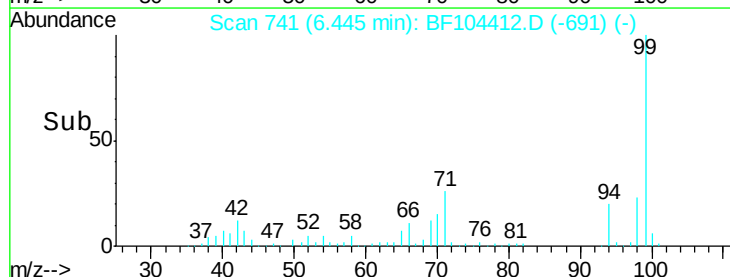
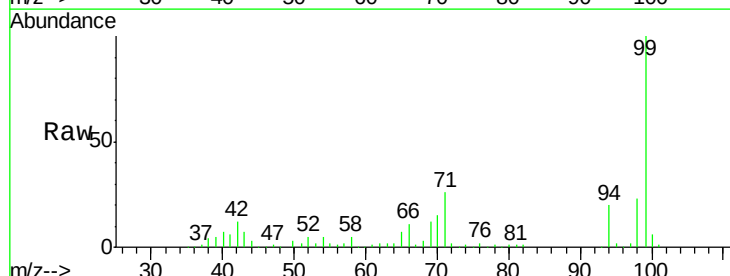
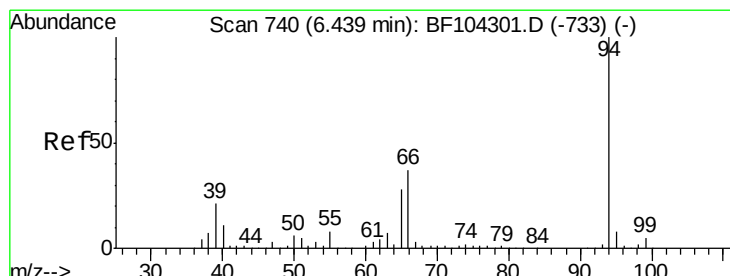
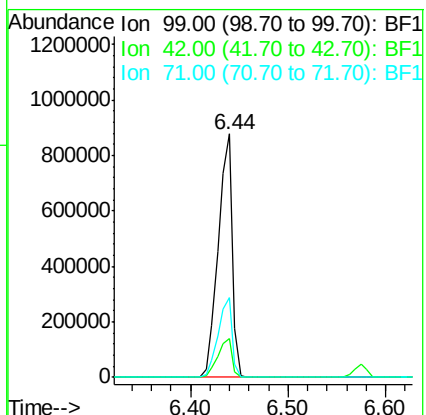
Tot Ion: 99 Resp: 875571

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.7 25.4 38.0



#10

Phenol

Concen: 2.322 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

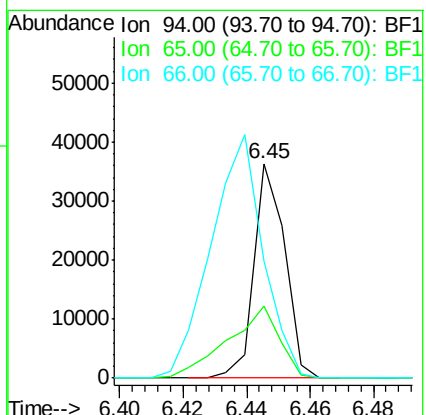
Tgt Ion: 94 Resp: 24472

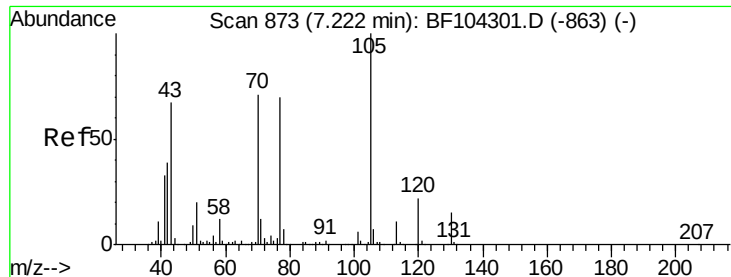
Ion Ratio Lower Upper

94 100

65 33.8 7.9 47.9

66 54.8 16.2 56.2

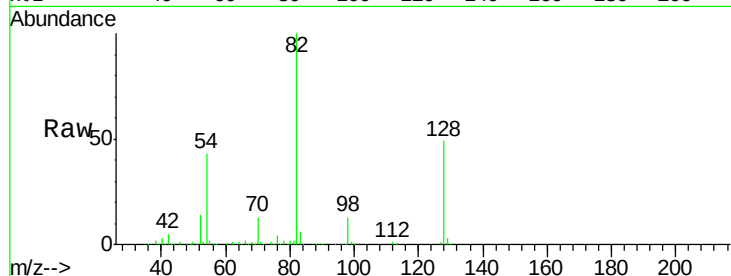




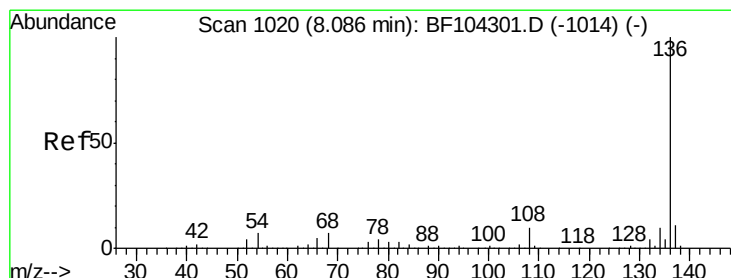
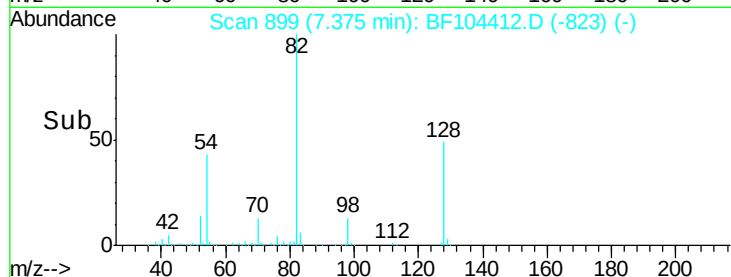
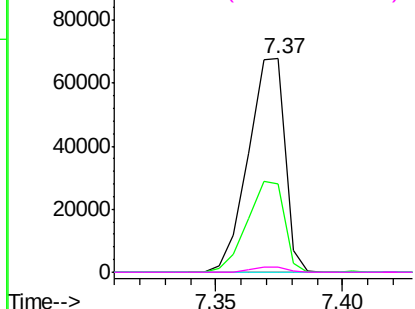
#19
n-Nitroso-di-n-propylamine
Concen: 10.572 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 68634
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

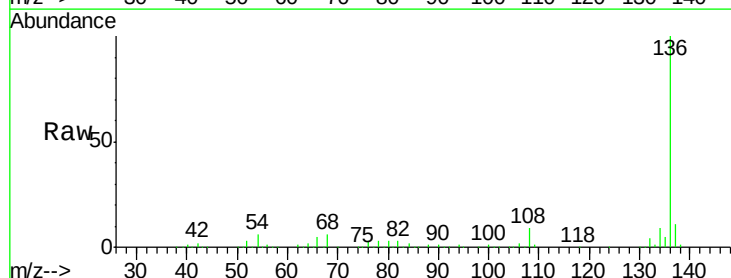


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

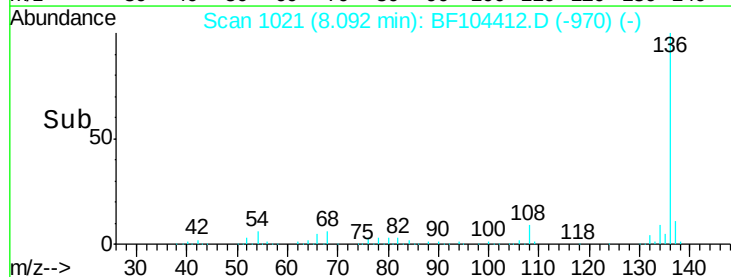
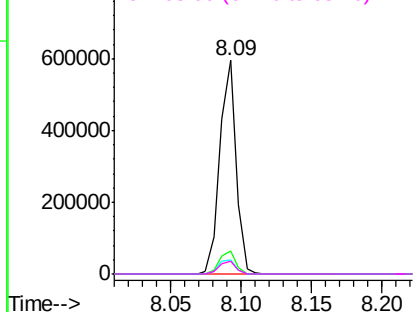


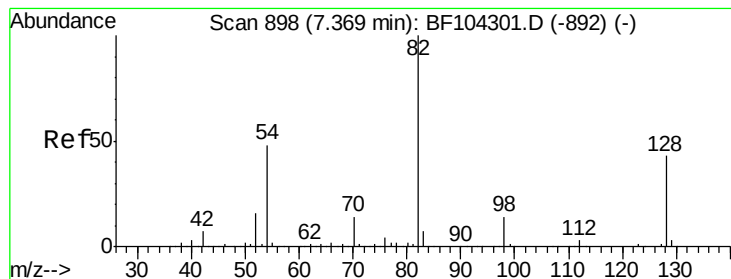
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion: 136 Resp: 478834
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.3 6.6 9.8#
68 5.9 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: 71.696 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

Instrument :

BNA_F

ClientSampleId :

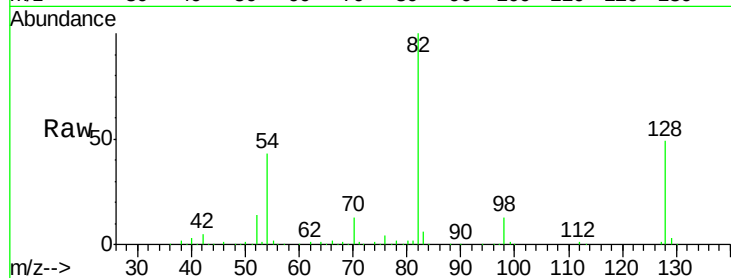
Tot Ion: 82 Resp: 525750

Ion Ratio Lower Upper

82 100

128 48.7 36.1 54.1

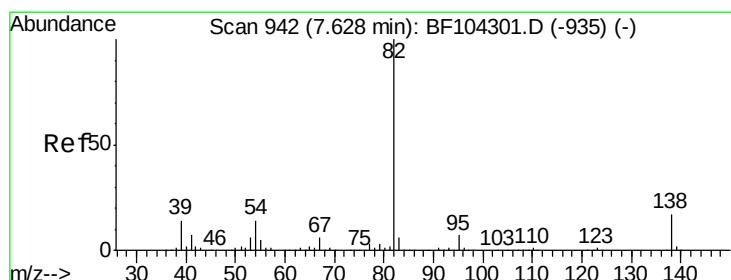
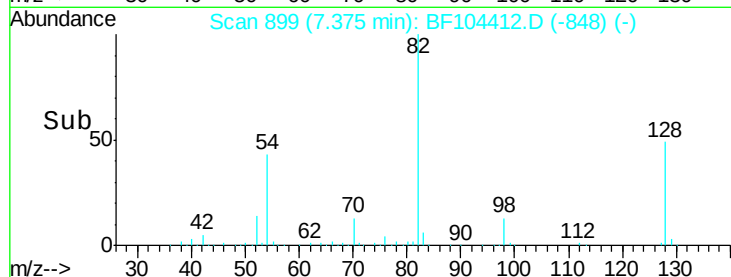
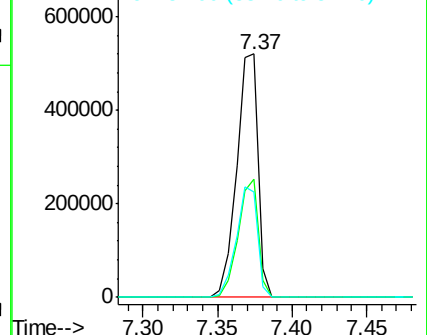
54 43.4 41.4 62.2



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: 33.768 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

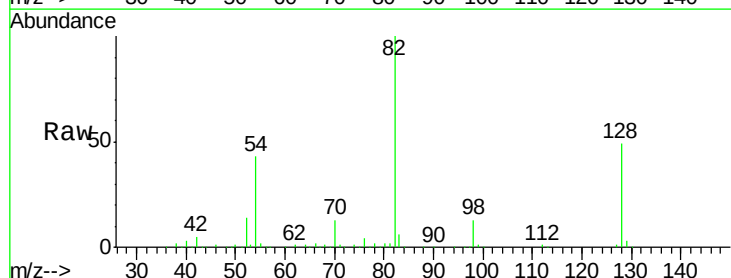
Tgt Ion: 82 Resp: 523626

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

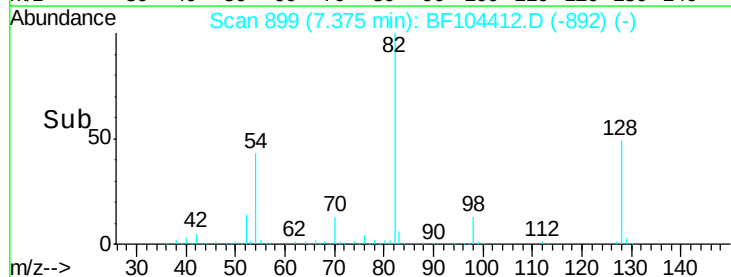
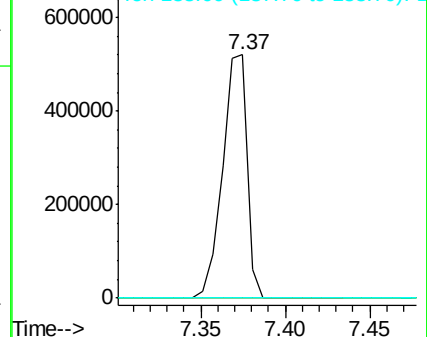
138 0.0 14.9 22.3#

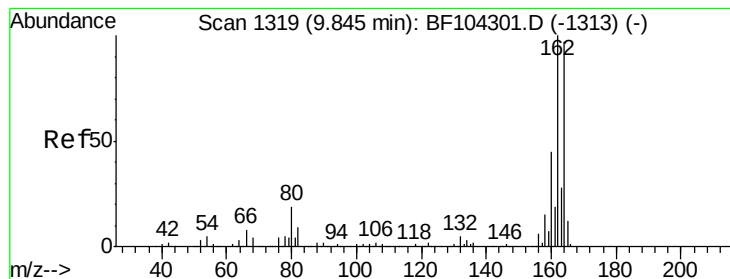


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

Instrument :

BNA_F

ClientSampleId :

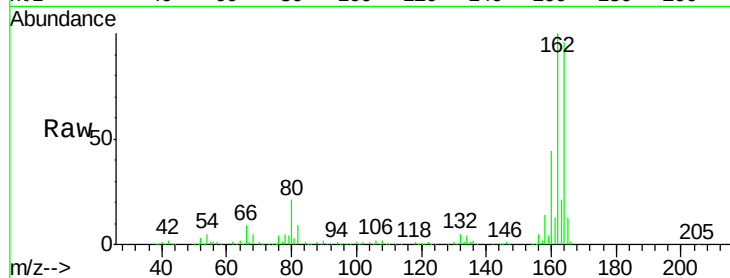
Tot Ion:164 Resp: 183374

Ion Ratio Lower Upper

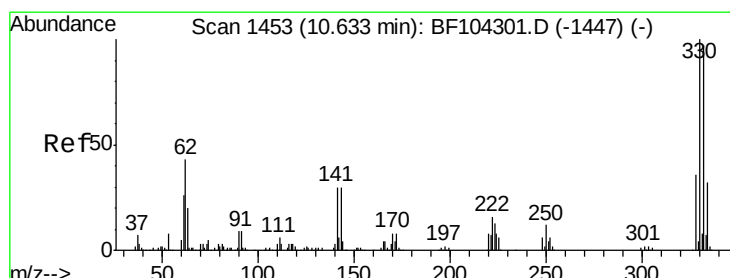
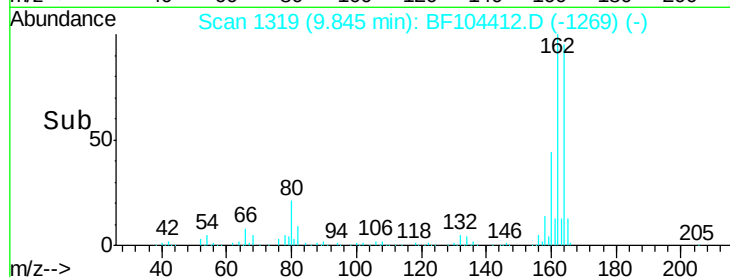
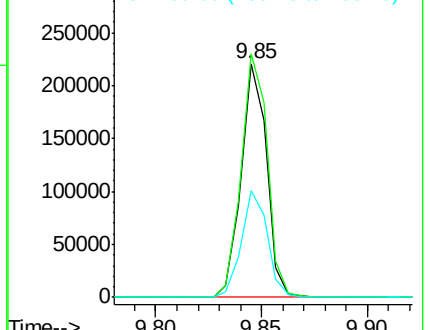
164 100

162 104.2 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: 81.875 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

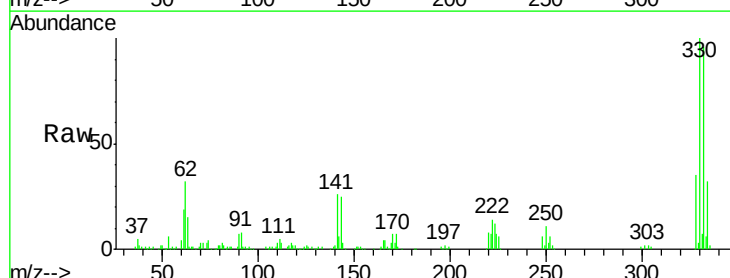
Tgt Ion:330 Resp: 155742

Ion Ratio Lower Upper

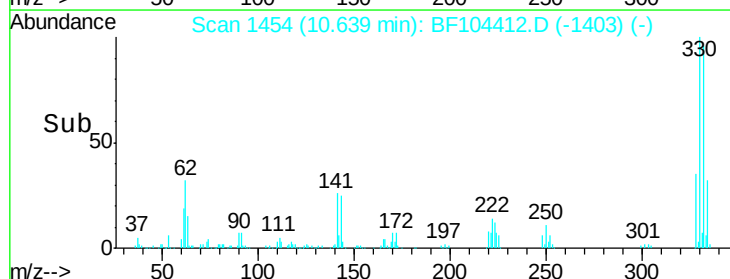
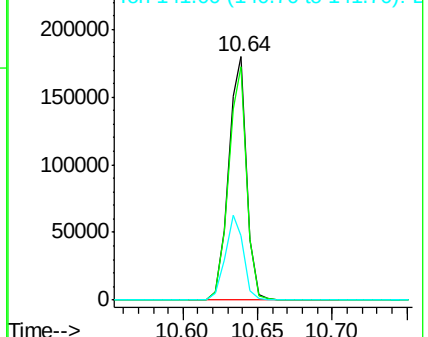
330 100

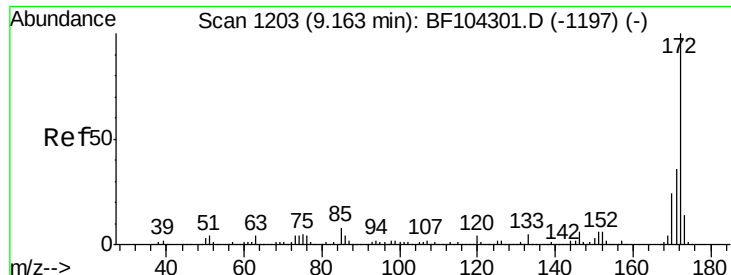
332 95.9 77.0 115.6

141 35.1 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

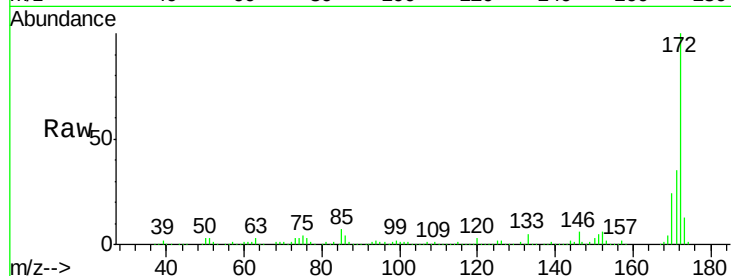




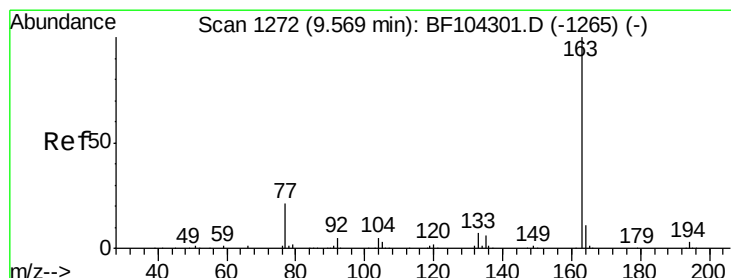
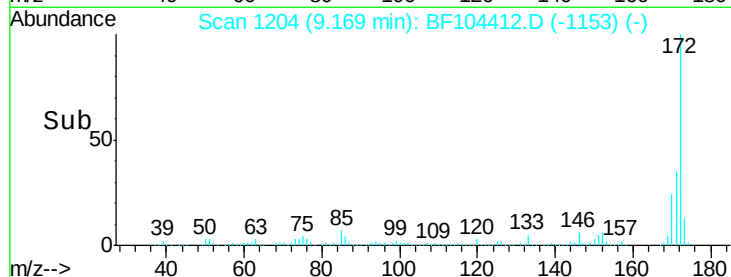
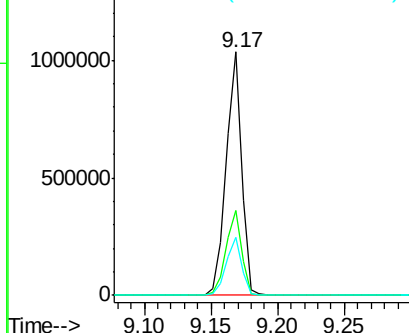
#44
2-Fluorobiphenyl
Concen: 73.826 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 856957
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.6 19.6 29.4

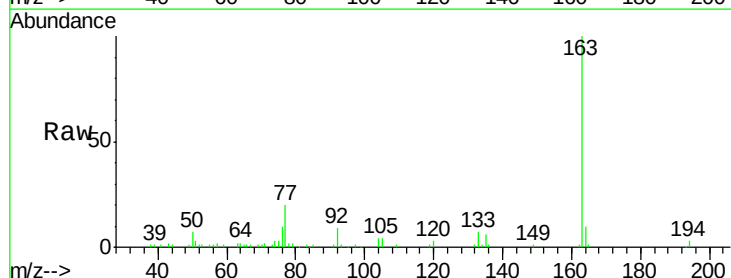


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

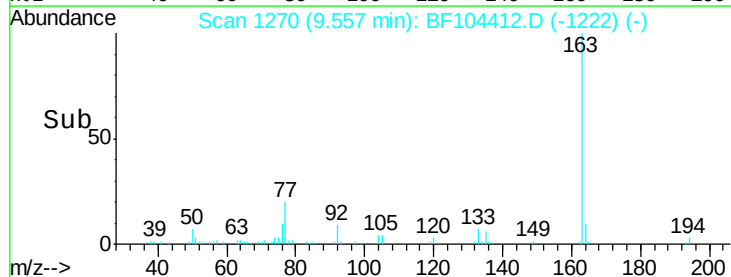
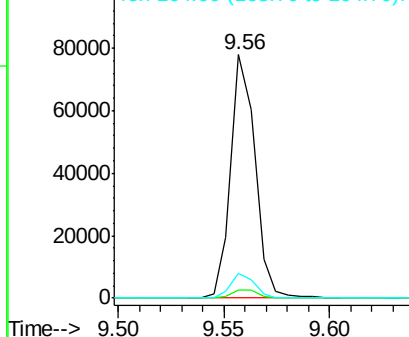


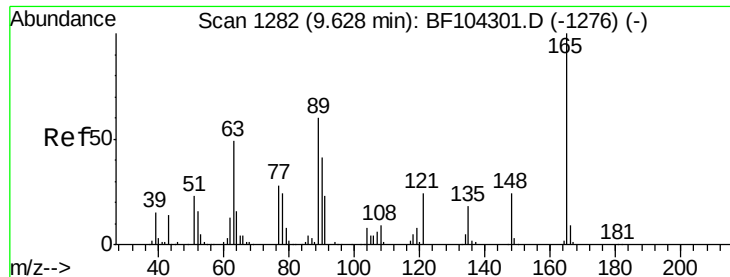
#49
Dimethylphthalate
Concen: 4.288 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion:163 Resp: 62008
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 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

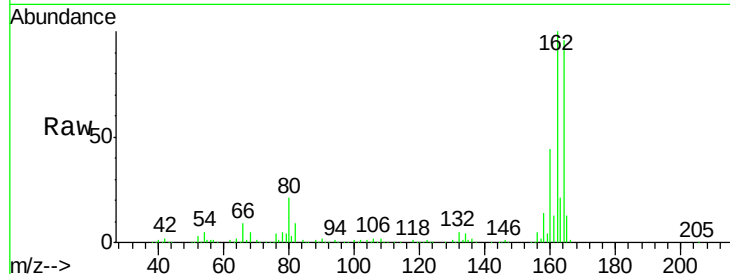




#50
 2,6-Dinitrotoluene
 Concen: 8.806 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104412.D
 Acq: 10 Apr 2018 16:47

Instrument :
 BNA_F
 ClientSampleId :

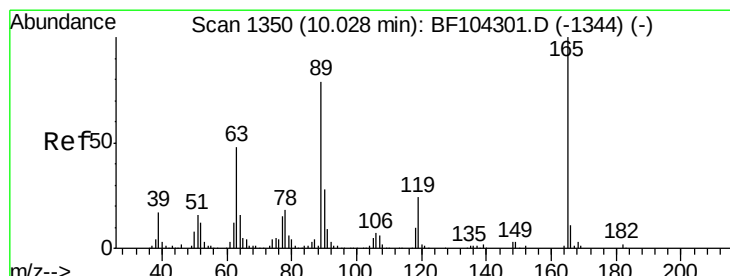
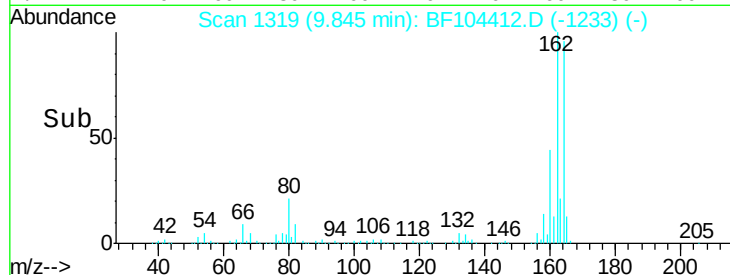
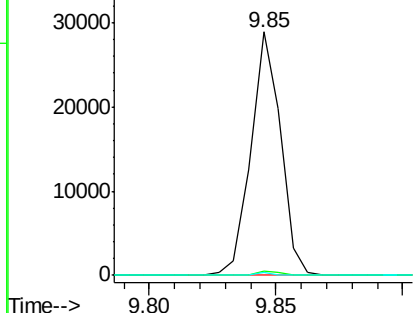
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.3	44.0	66.0#



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: 6.713 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.19 min
 Lab File: BF104412.D
 Acq: 10 Apr 2018 16:47

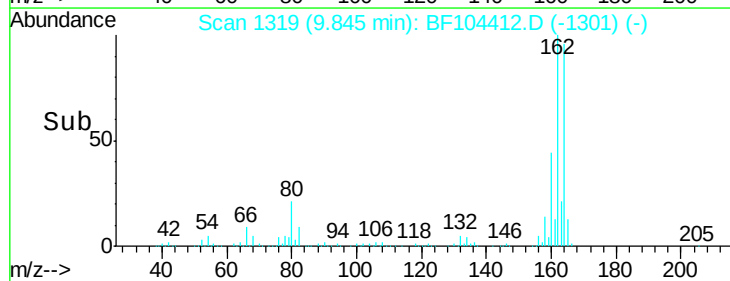
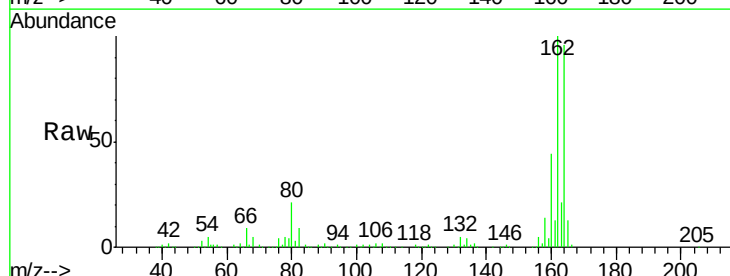
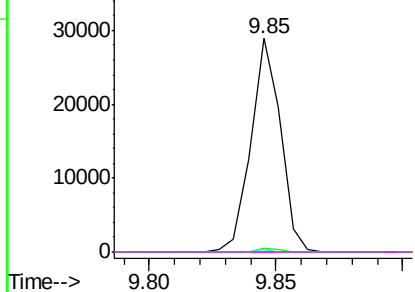
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

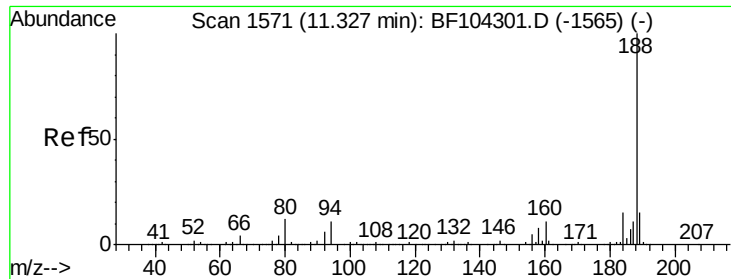
Abundance Ion 165.00 (164.70 to 165.70): E

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

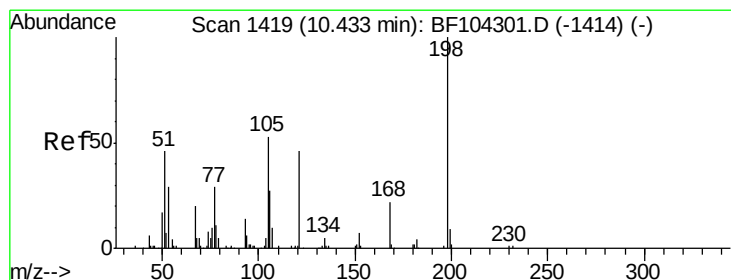
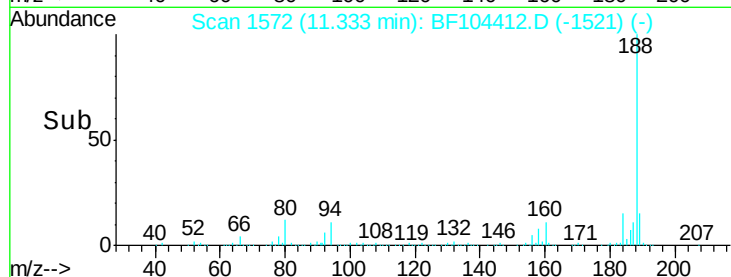
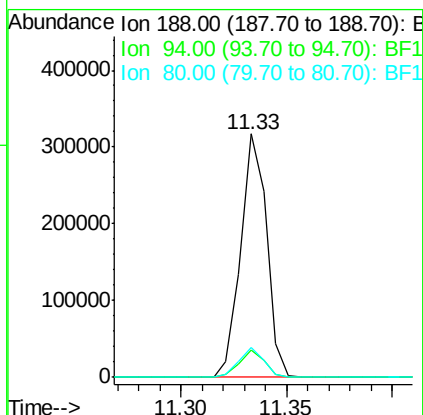
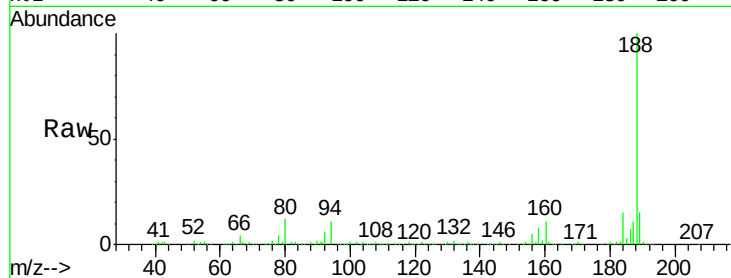




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

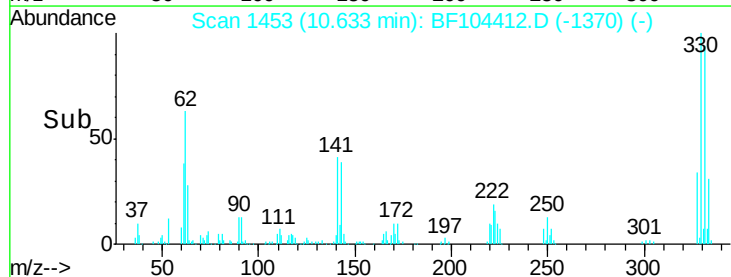
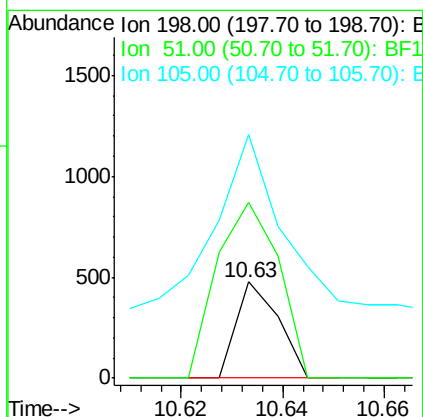
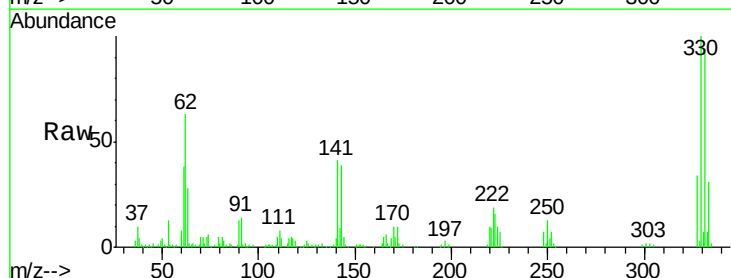
Instrument :
BNA_F
ClientSampleId :

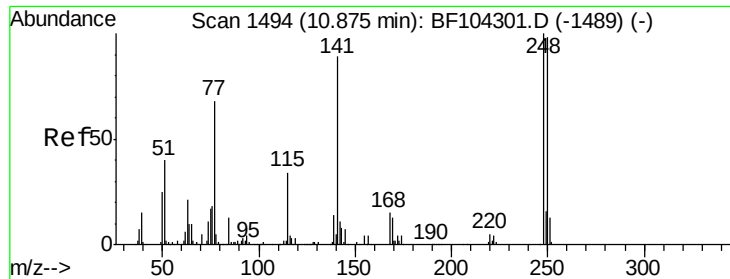
Tot Ion:188 Resp: 269671
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.526 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion:198 Resp: 277
Ion Ratio Lower Upper
198 100
51 182.2 37.7 77.7#
105 253.0 36.3 76.3#

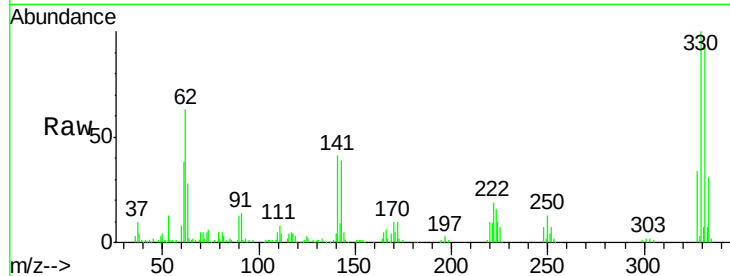




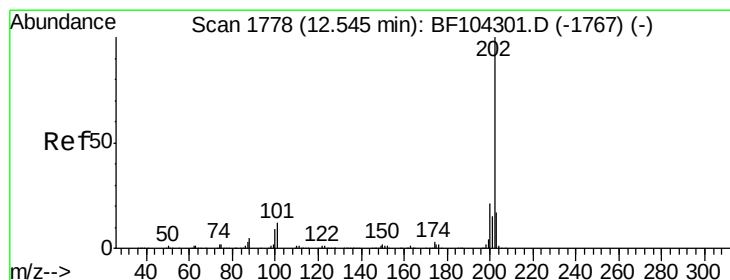
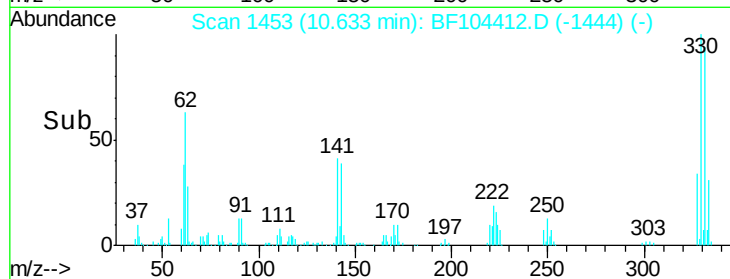
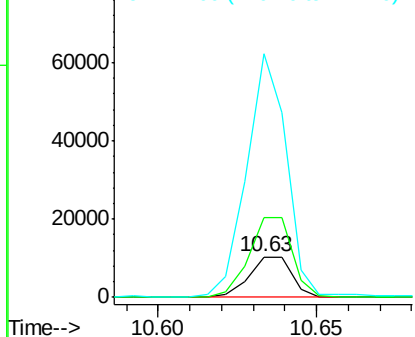
#66
4-Bromophenyl-phenylether
Concen: 3.357 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9628
Ion Ratio Lower Upper
248 100
250 196.0 76.9 115.3#
141 601.6 74.4 111.6#

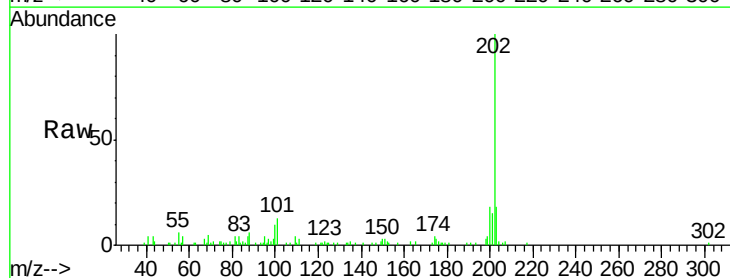


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

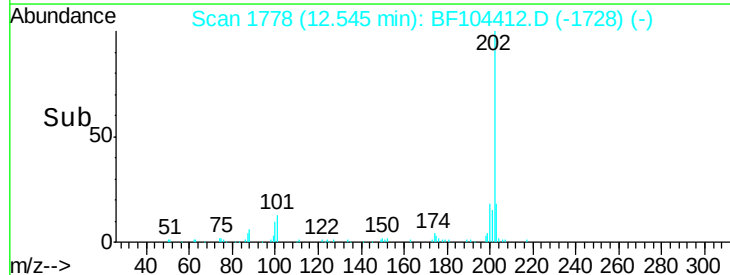
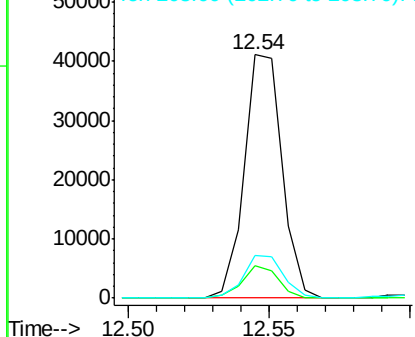


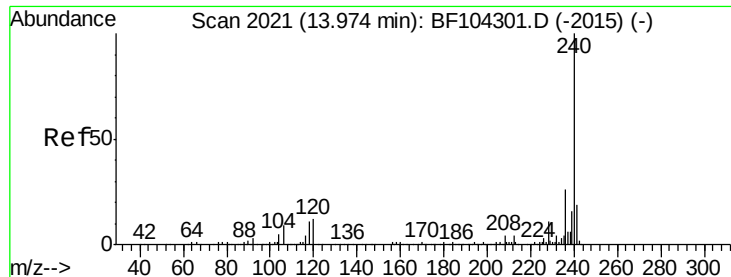
#74
Fluoranthene
Concen: 2.426 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion:202 Resp: 38065
Ion Ratio Lower Upper
202 100
101 13.3 0.0 34.1
203 17.7 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: BF104412.D

Acq: 10 Apr 2018 16:47

Instrument :

BNA_F

ClientSampleId :

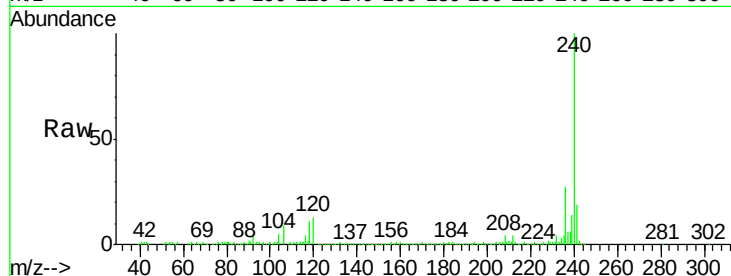
Tot Ion:240 Resp: 270028

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

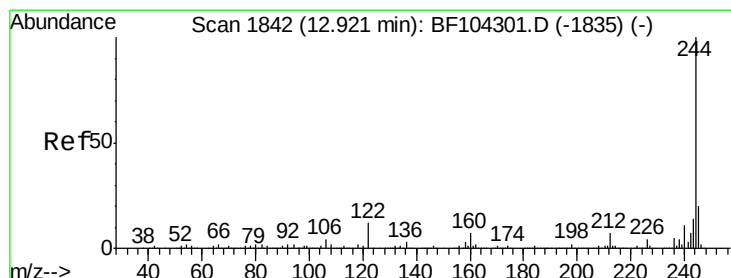
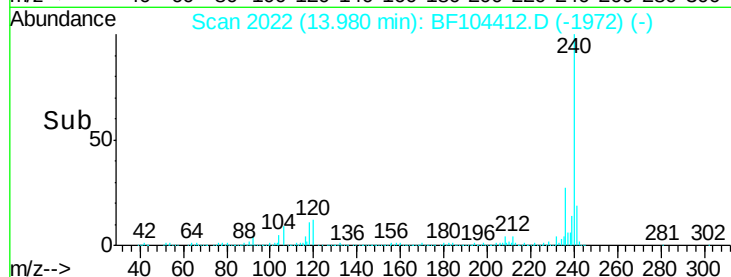
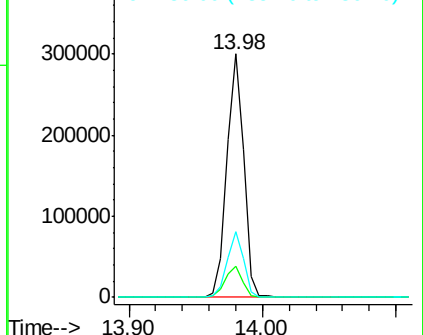
236 26.8 20.7 31.1



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: 57.371 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104412.D

Acq: 10 Apr 2018 16:47

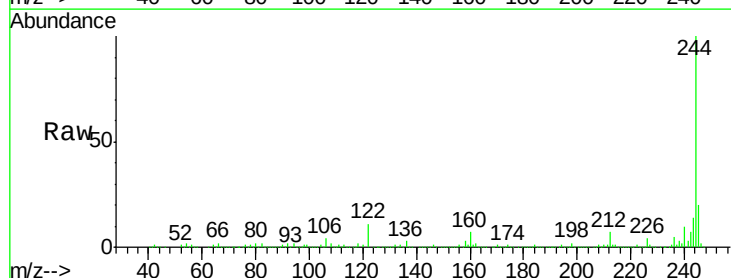
Tgt Ion:244 Resp: 679520

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

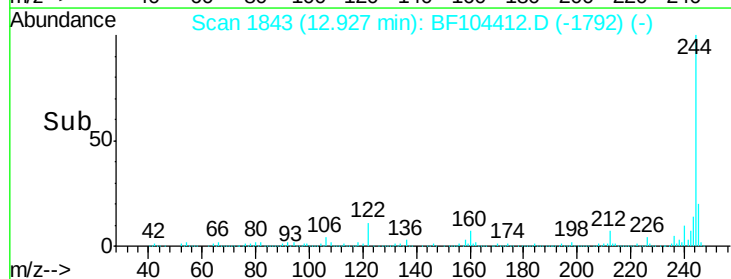
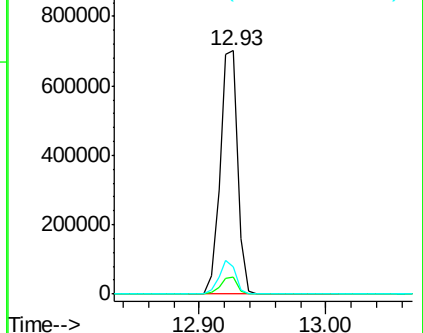
122 11.0 11.0 16.4

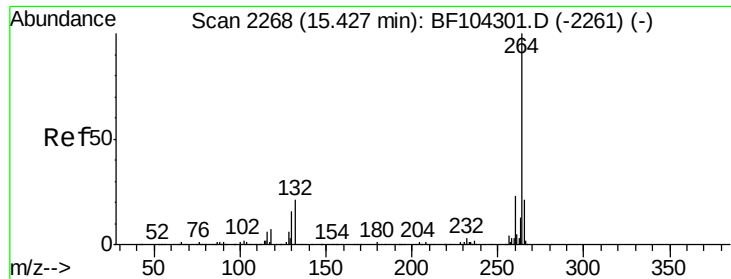


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

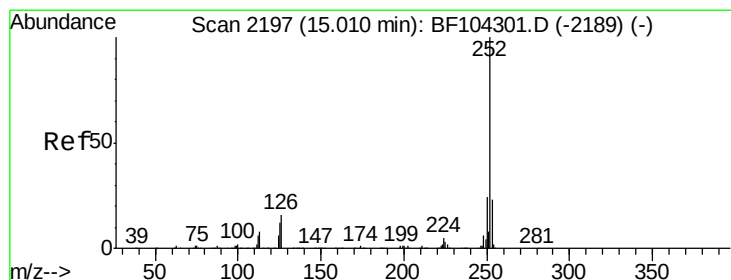
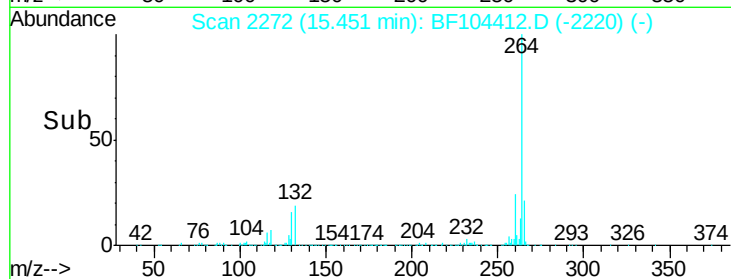
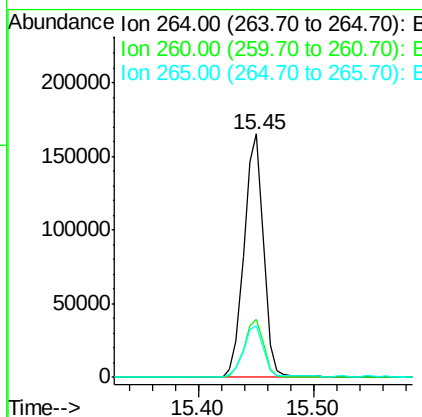
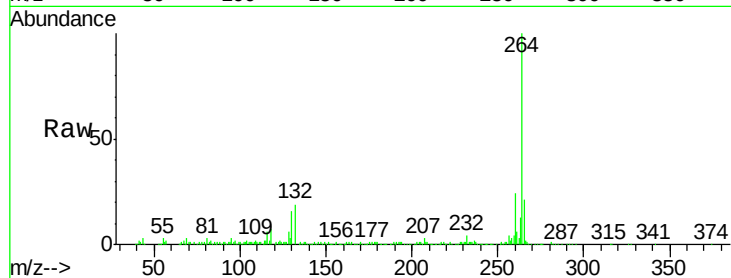




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

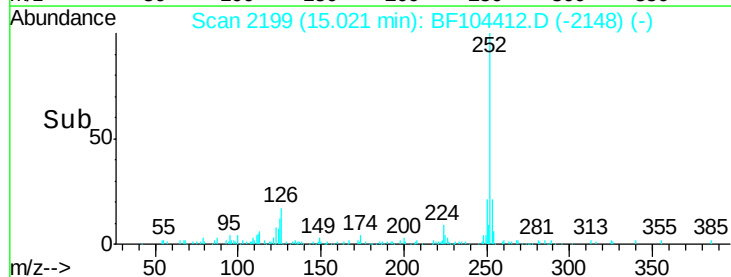
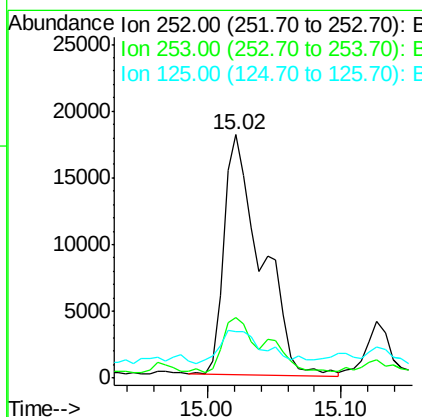
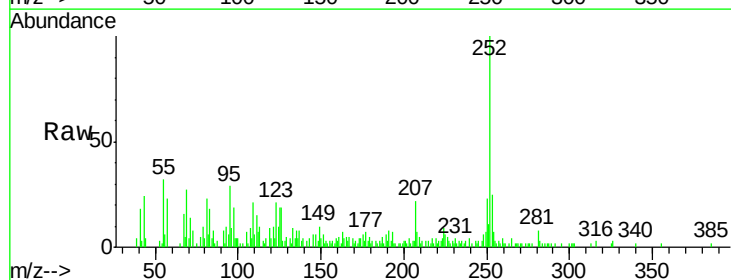
Instrument :
BNA_F
ClientSampled :

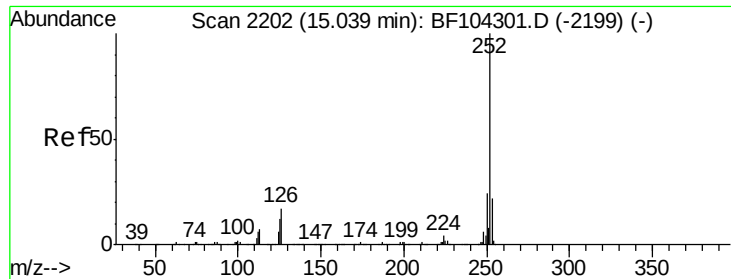
Tot Ion:264 Resp: 192983
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.880 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF104412.D
Acq: 10 Apr 2018 16:47

Tgt Ion:252 Resp: 35097
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 18.9 9.0 13.6#

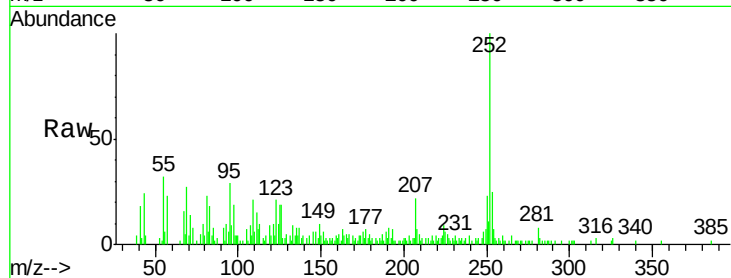




#88
 Benzo(k)fluoranthene
 Concen: 3.050 ng
 RT: 15.02 min Scan# 2199
 Delta R.T. -0.04 min
 Lab File: BF104412.D
 Acq: 10 Apr 2018 16:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	18.9	10.2	15.2



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

