

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104109.D
 Acq On : 30 Mar 2018 22:39
 Operator : JU/SJ
 Sample : J1760-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 00:11:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

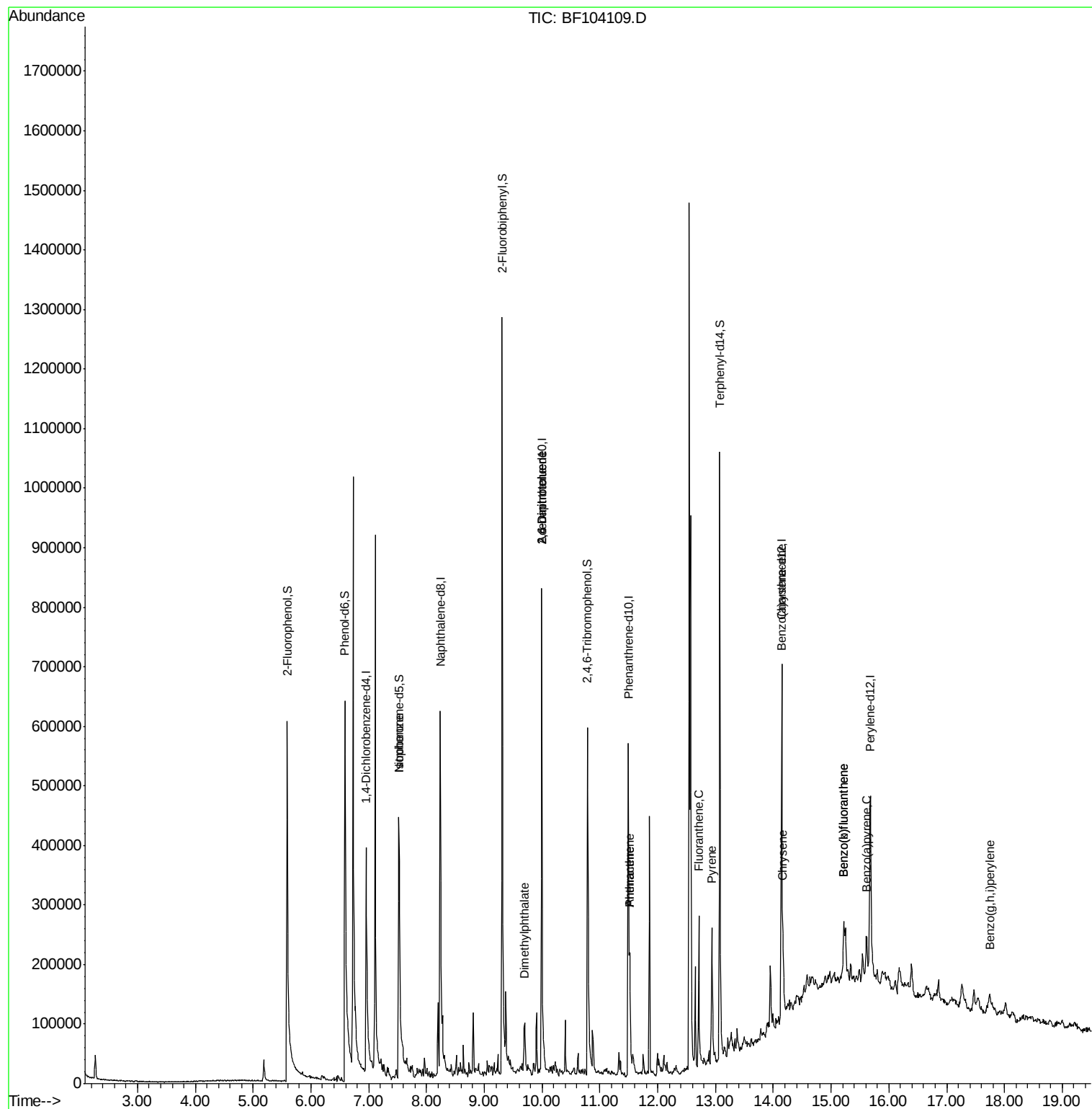
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111432	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	449568	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	195859	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	304552	20.00	ng	0.00
75) Chrysene-d12	14.14	240	236382	20.00	ng	0.00
86) Perylene-d12	15.68	264	199281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	360933	51.65	ng	0.00
7) Phenol-d6	6.59	99	484650	56.38	ng	0.00
23) Nitrobenzene-d5	7.52	82	297862	40.52	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	110436	50.64	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	561545	45.21	ng	0.00
78) Terphenyl-d14	13.07	244	409479	40.00	ng	0.00
Target Compounds						
25) Isophorone	7.52	82	297862	21.986	ng	Qvalue # 64
49) Dimethylphthalate	9.70	163	33844	2.189	ng	99
50) 2,6-Dinitrotoluene	9.99	165	24867	7.475	ng	# 25
56) 2,4-Dinitrotoluene	9.99	165	25201	5.936	ng	# 22
70) Phenanthrene	11.52	178	75483	4.578	ng	96
71) Anthracene	11.52	178	75483	4.383	ng	97
74) Fluoranthene	12.71	202	134567	7.678	ng	97
77) Pyrene	12.94	202	110759	6.518	ng	99
80) Benzo(a)anthracene	14.13	228	65510	4.429	ng	96
82) Chrysene	14.17	228	52044	3.592	ng	99
87) Benzo(b)fluoranthene	15.22	252	89838	7.407	ng	# 93
88) Benzo(k)fluoranthene	15.22	252	89838	7.863	ng	96
89) Benzo(a)pyrene	15.62	252	44081	3.922	ng	# 85
91) Benzo(a,h,i)perylene	17.74	276	21611	2.076	ng	# 92

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

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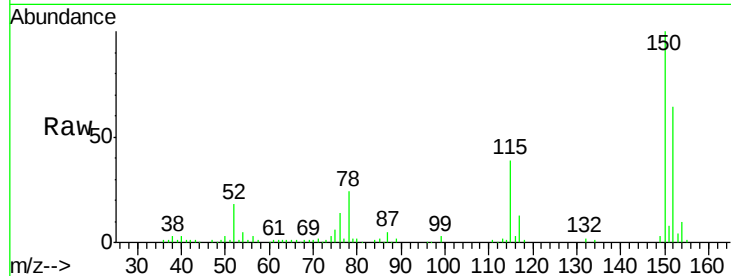


#1

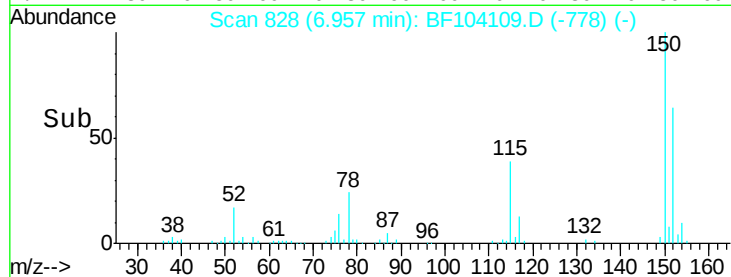
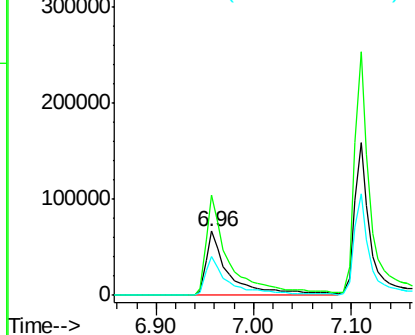
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111432
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 61.3 50.1 75.1



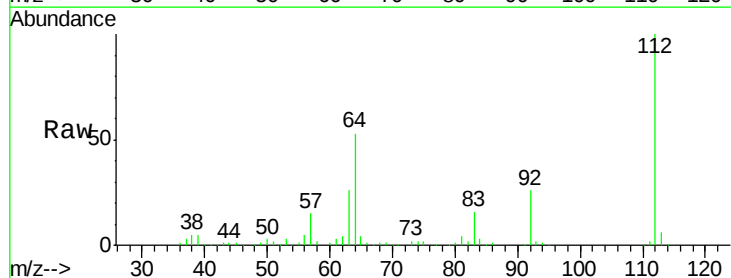
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



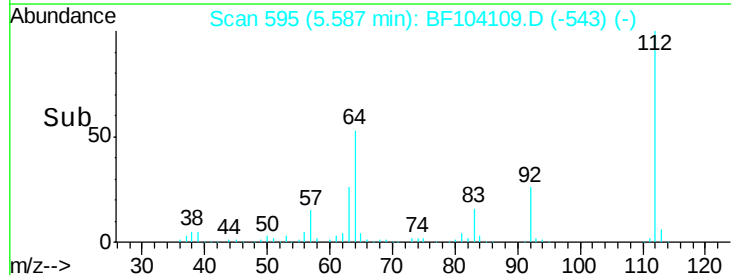
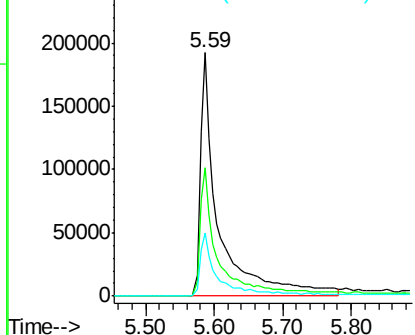
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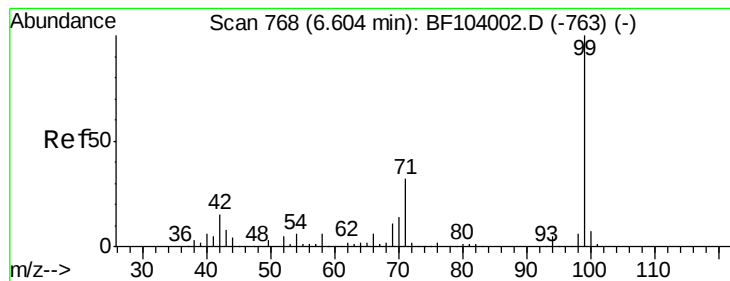
2-Fluorophenol
Concen: 51.655 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:112 Resp: 360933
Ion Ratio Lower Upper
112 100
64 52.7 47.9 71.9
63 26.0 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: 56.377 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

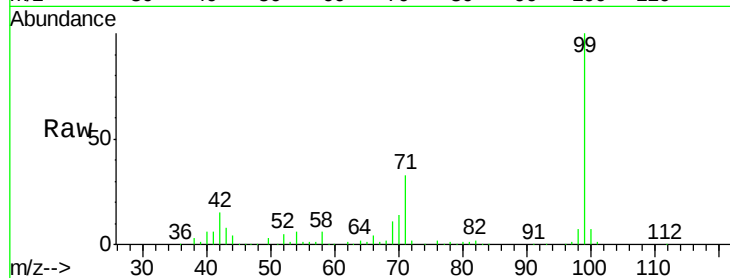
Tot Ion: 99 Resp: 484650

Ion Ratio Lower Upper

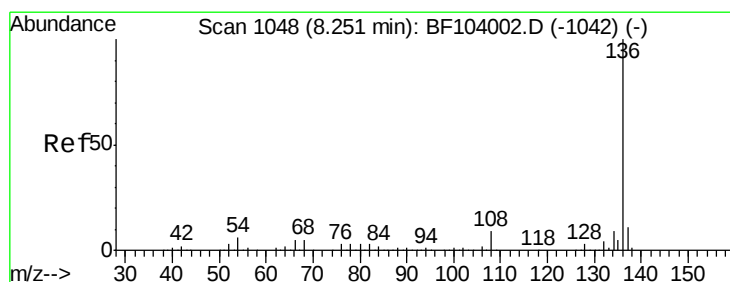
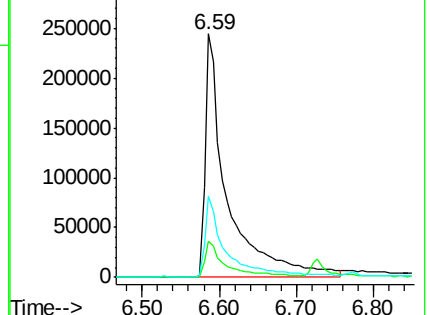
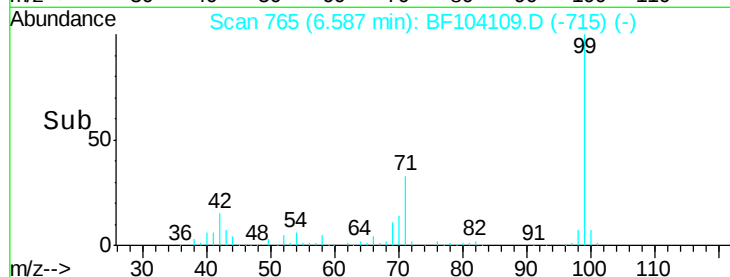
99 100

42 15.1 14.5 21.7

71 33.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Tgt Ion: 136 Resp: 449568

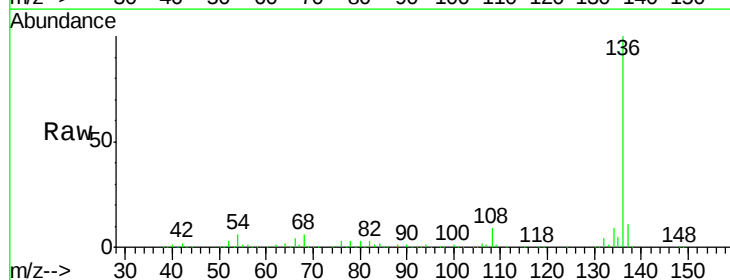
Ion Ratio Lower Upper

136 100

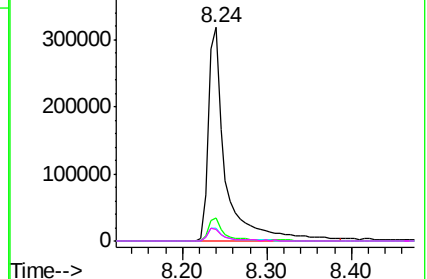
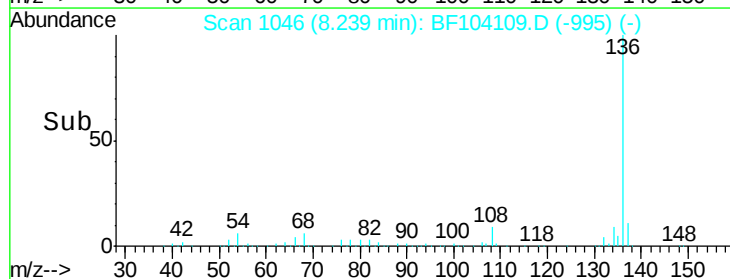
137 10.7 8.9 13.3

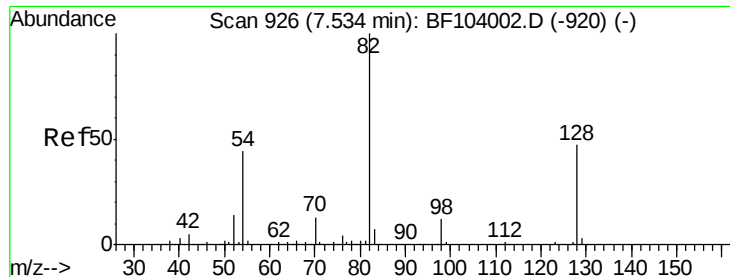
54 5.9 6.6 9.8#

68 5.6 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

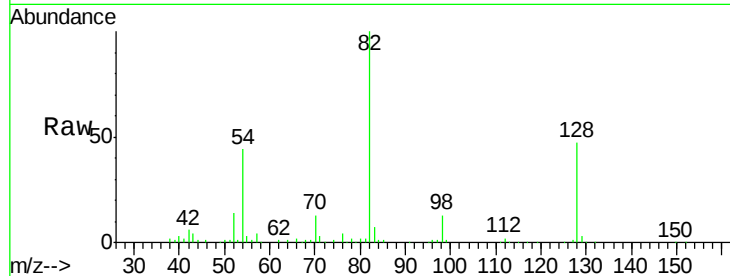




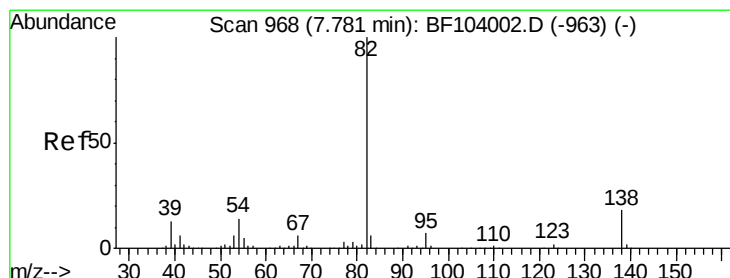
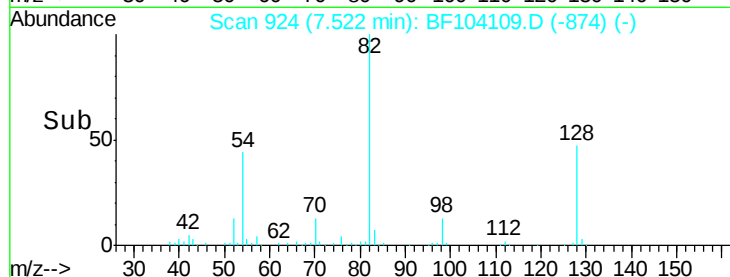
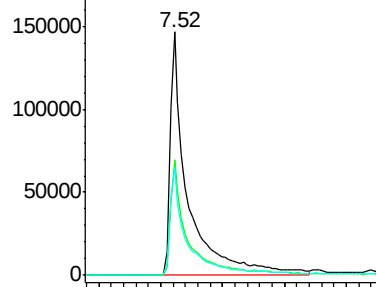
#23
Nitrobenzene-d5
Concen: 40.519 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	297862
Ion Ratio	Lower	Upper	
82	100		
128	47.3	36.1	54.1
54	44.1	41.4	62.2

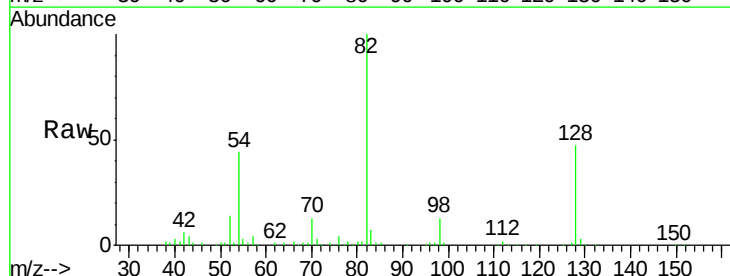


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

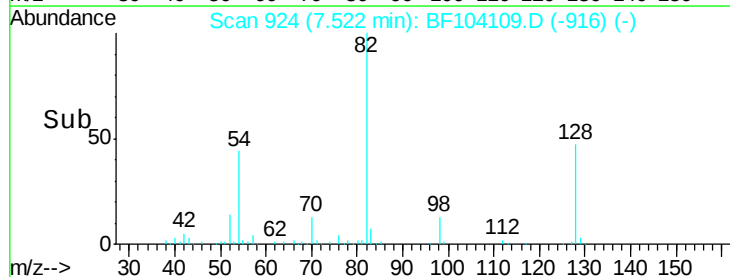
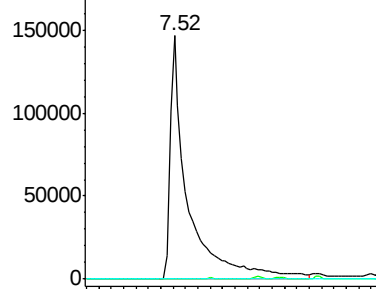


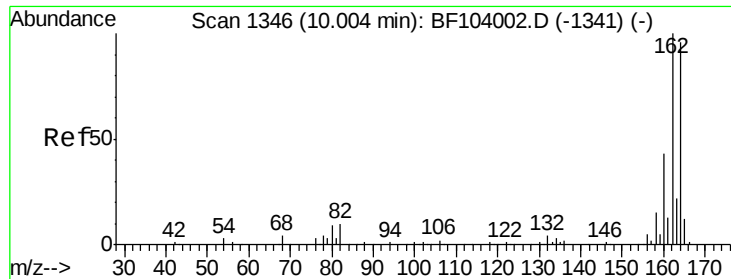
#25
Isophorone
Concen: 21.986 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.25 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion	82	Resp	297862
Ion Ratio	Lower	Upper	
82	100		
95	0.3	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

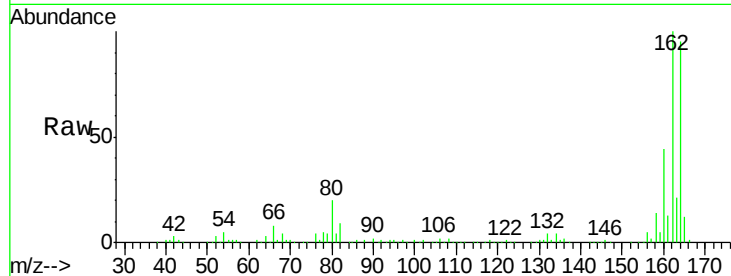




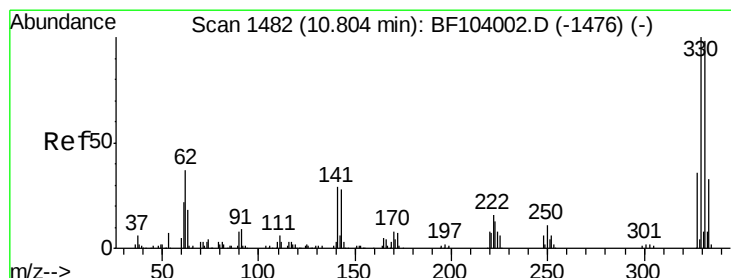
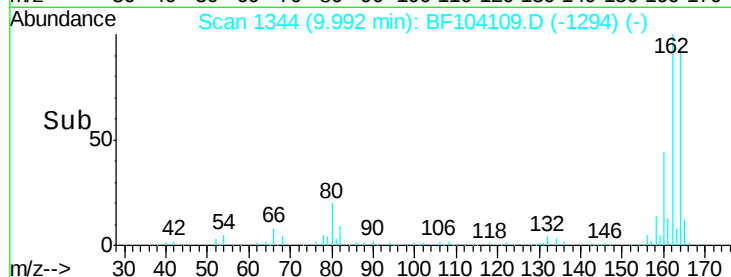
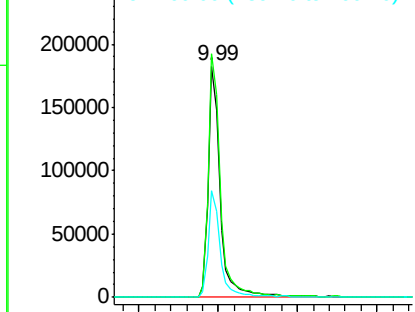
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 195859
Ion Ratio Lower Upper
164 100
162 105.3 86.1 129.1
160 46.0 38.3 57.5

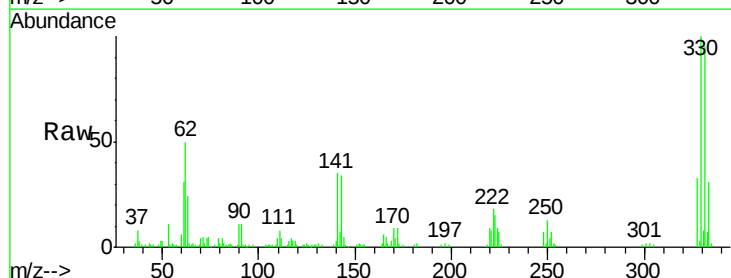


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

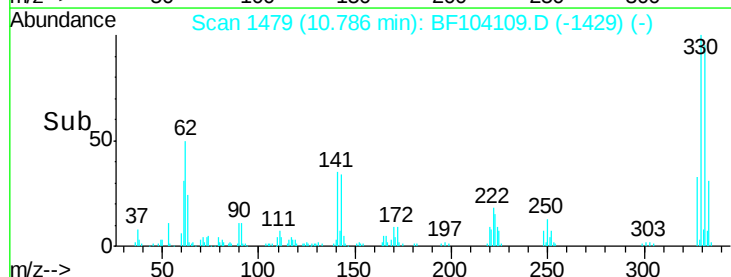
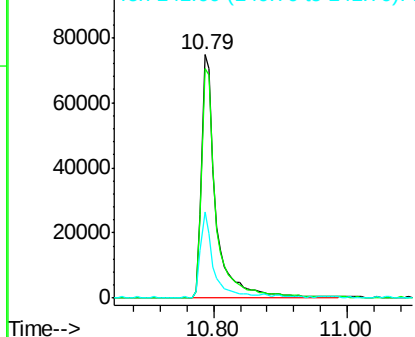


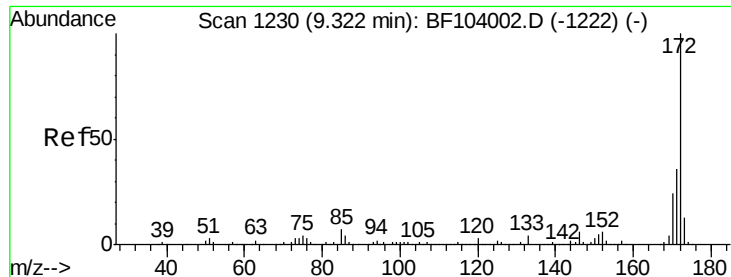
#41
2,4,6-Tribromophenol
Concen: 50.638 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:330 Resp: 110436
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.6
141 31.7 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

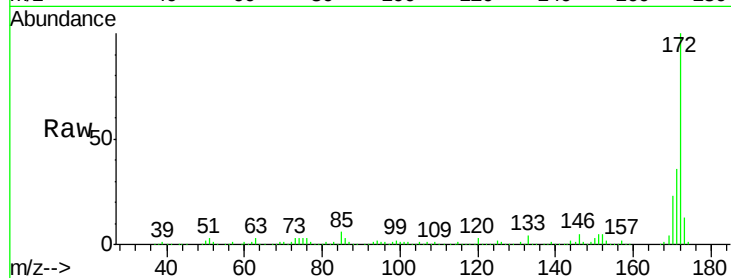




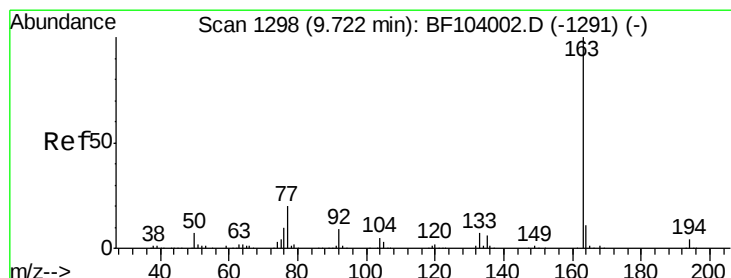
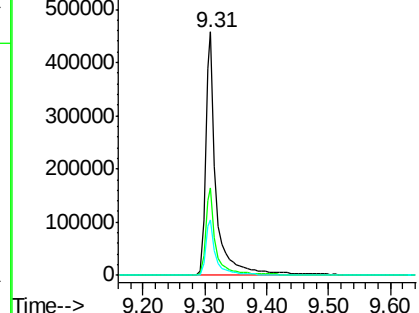
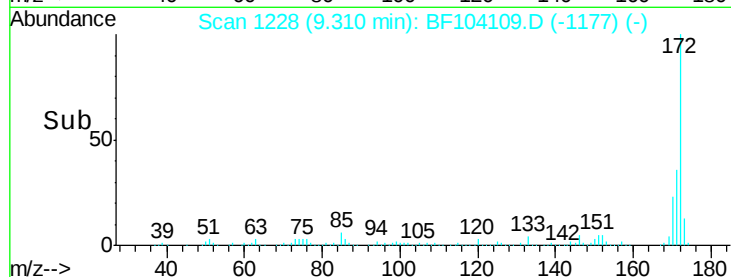
#44
 2-Fluorobiphenyl
 Concen: 45.212 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 561545
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 22.8 19.6 29.4

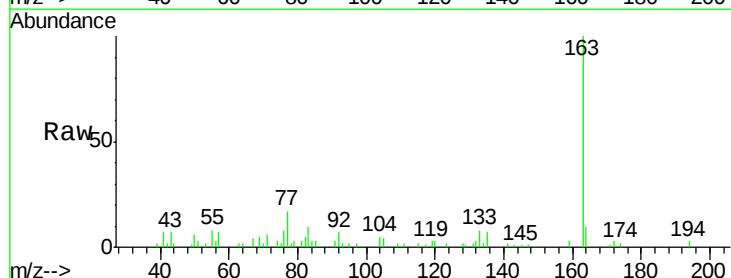


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

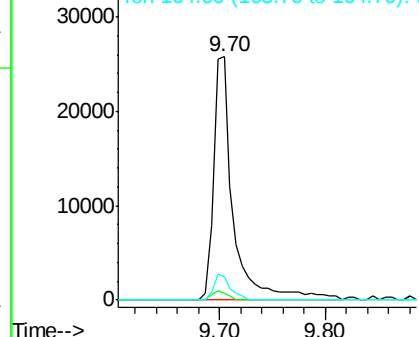
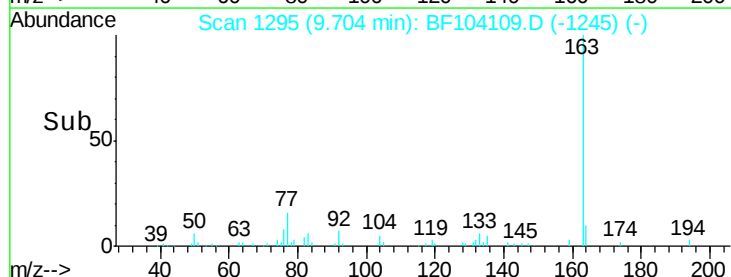


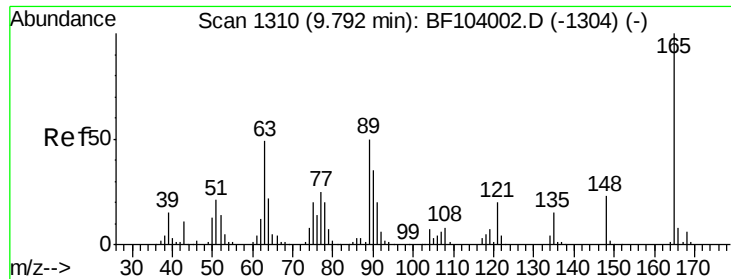
#49
 Dimethylphthalate
 Concen: 2.189 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion:163 Resp: 33844
 Ion Ratio Lower Upper
 163 100
 194 2.9 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

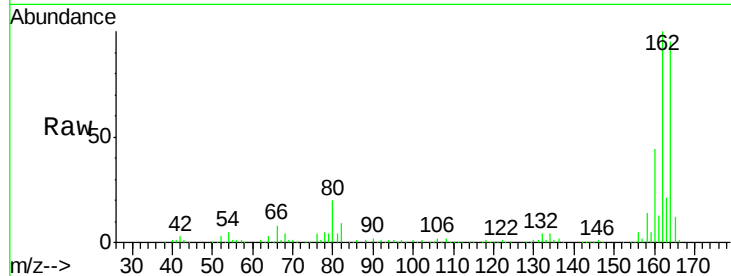




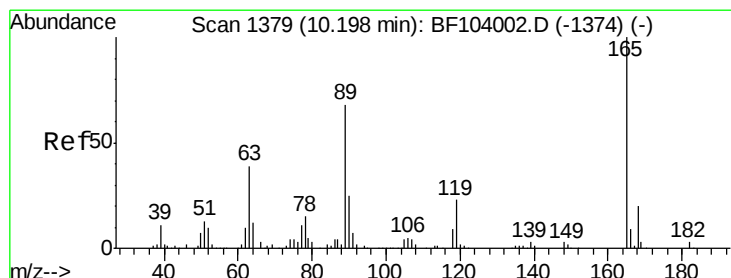
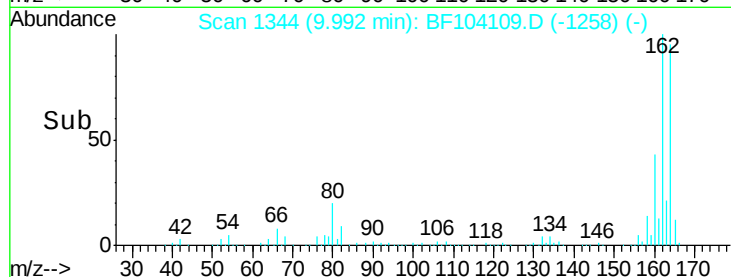
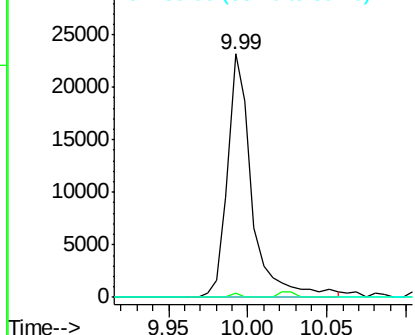
#50
2,6-Dinitrotoluene
Concen: 7.475 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.21 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 24867
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 0.0 44.0 66.0#

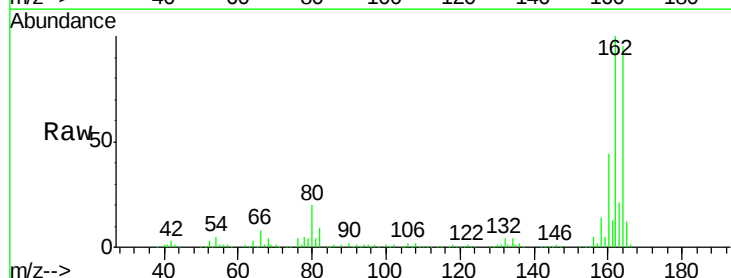


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

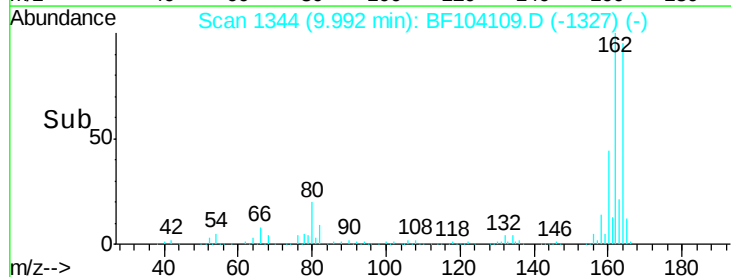
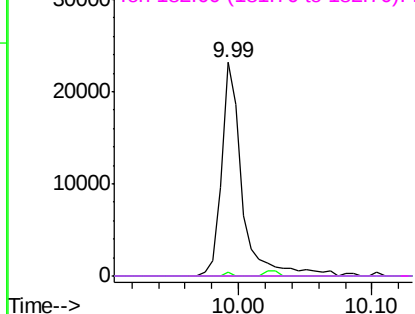


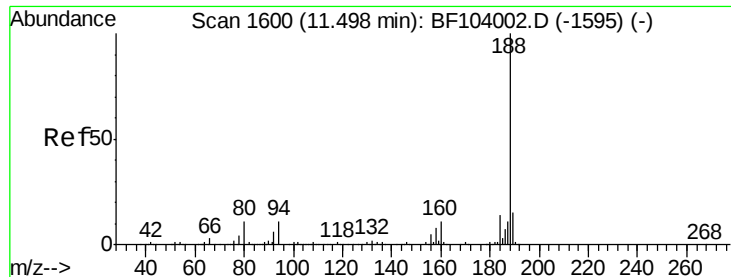
#56
2,4-Dinitrotoluene
Concen: 5.936 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:165 Resp: 25201
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 0.0 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

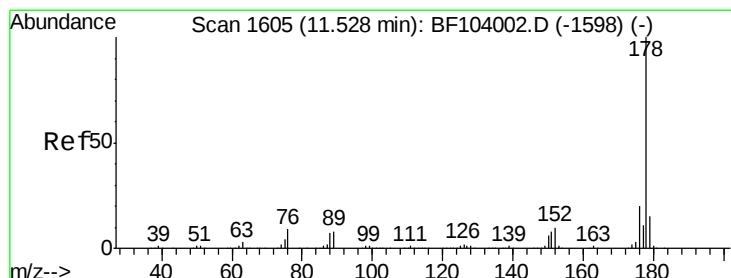
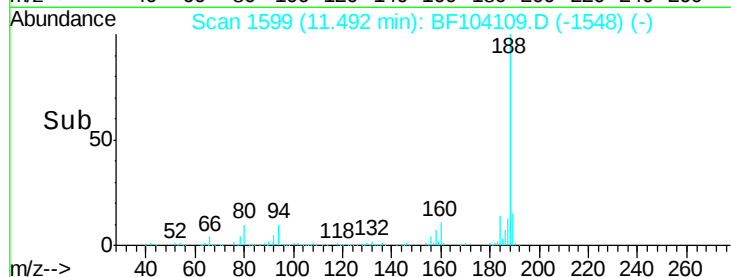
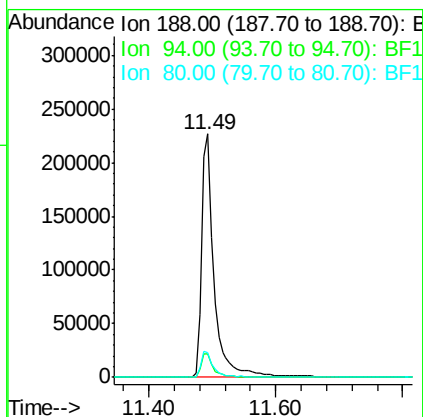
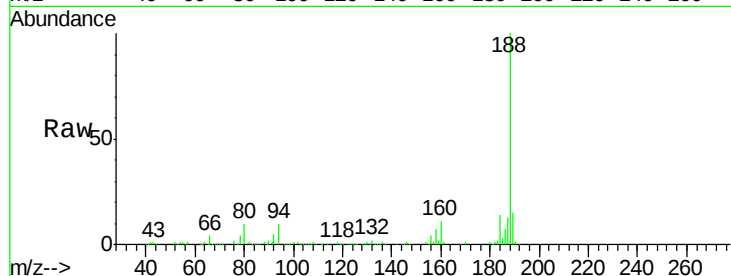




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

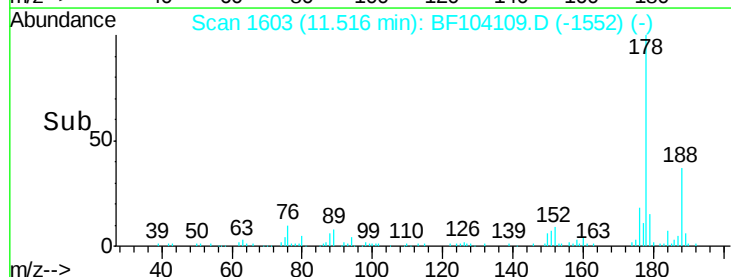
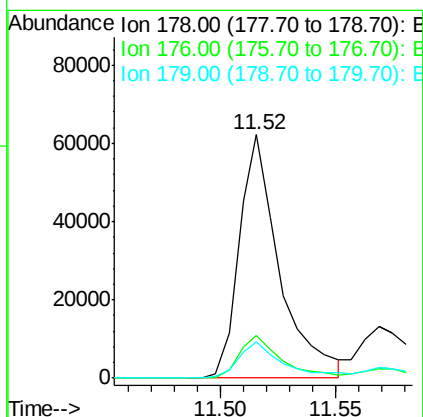
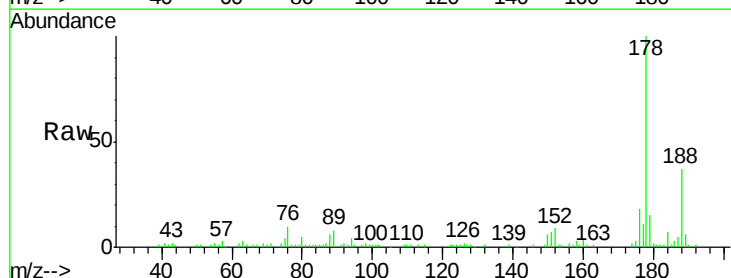
Instrument :
BNA_F
ClientSampleId :

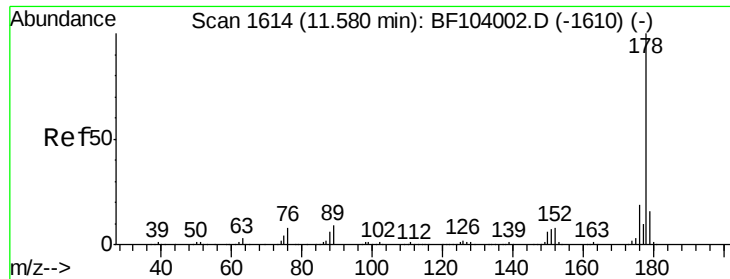
Tot Ion:188 Resp: 304552
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#70
Phenanthrene
Concen: 4.578 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:178 Resp: 75483
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 14.9 13.0 19.6

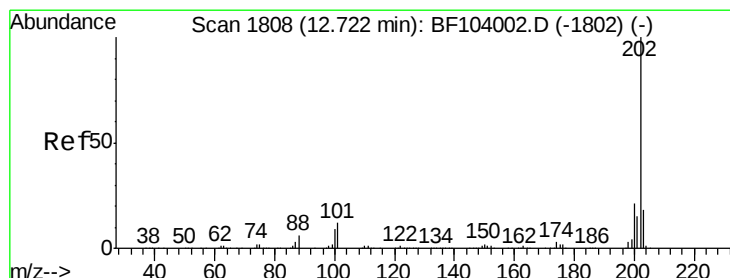
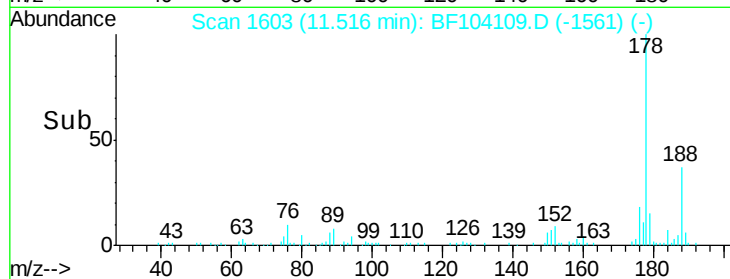
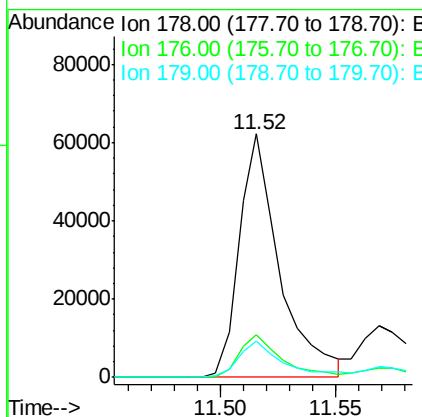
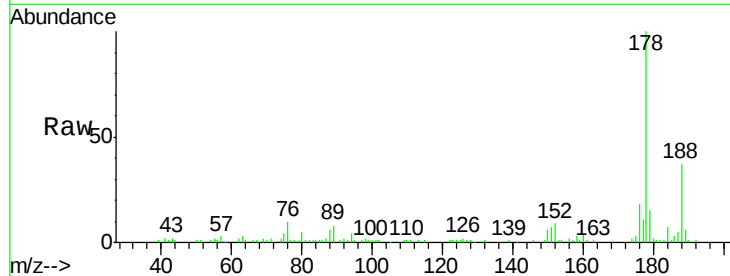




#71
 Anthracene
 Concen: 4.383 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.05 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

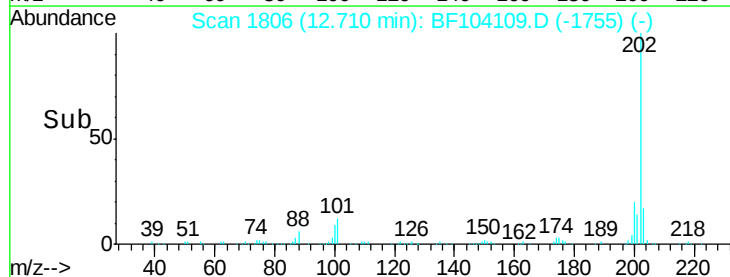
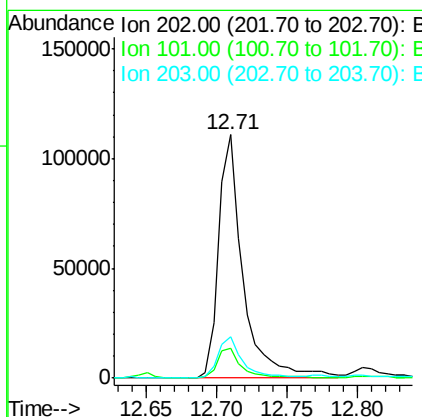
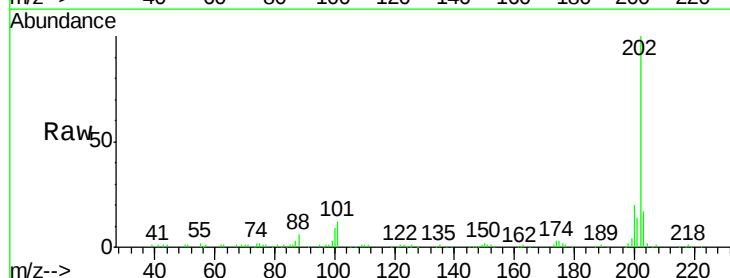
Instrument :
 BNA_F
 ClientSampleId :

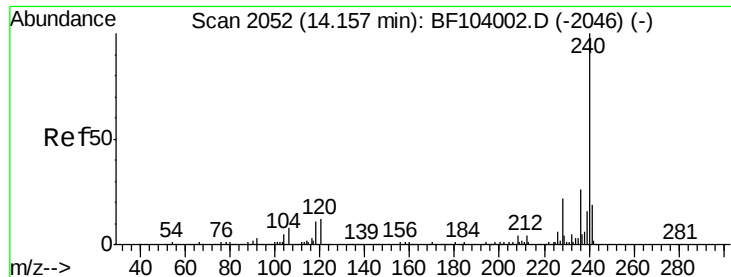
Tot Ion:178 Resp: 75483
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 14.9 12.6 19.0



#74
 Fluoranthene
 Concen: 7.678 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion:202 Resp: 134567
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

ClientSampled :

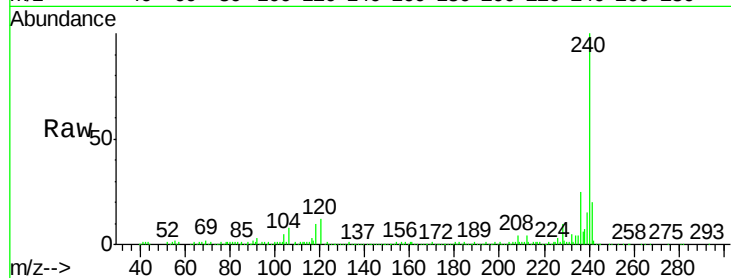
Tot Ion:240 Resp: 236382

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

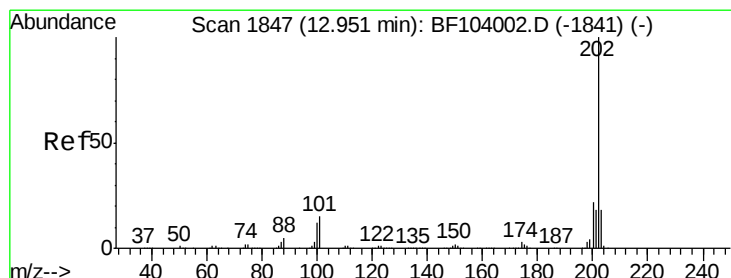
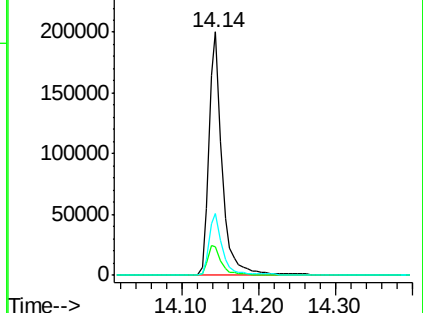
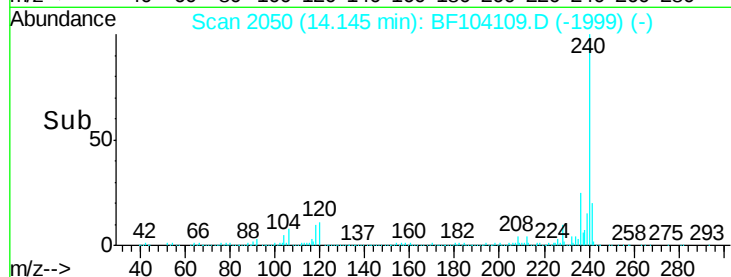
236 25.4 20.7 31.1



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

Pyrene

Concen: 6.518 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

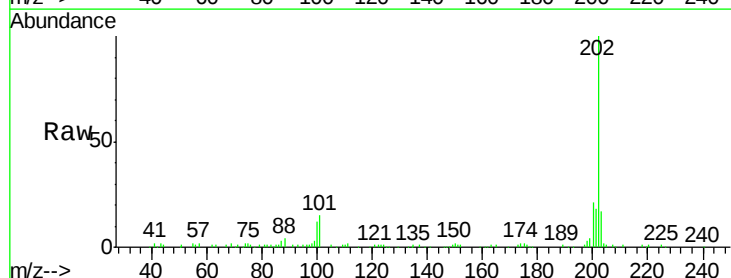
Tgt Ion:202 Resp: 110759

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

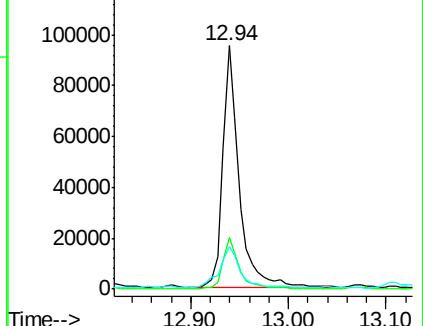
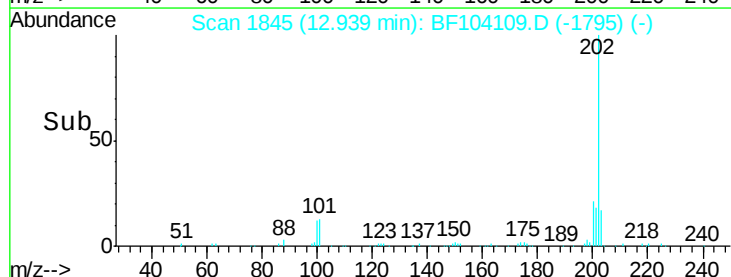
203 17.3 14.3 21.5

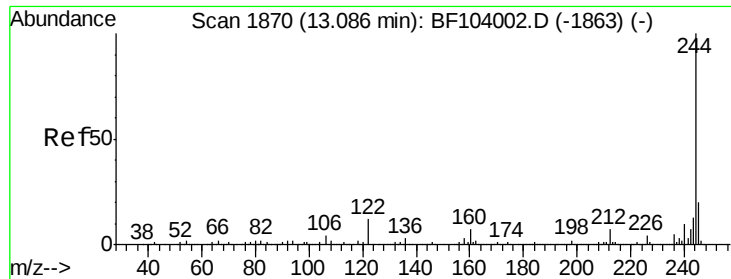


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

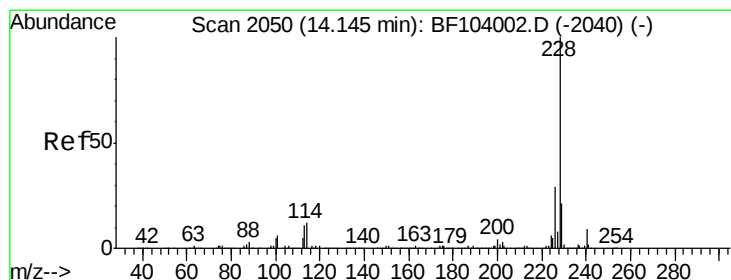
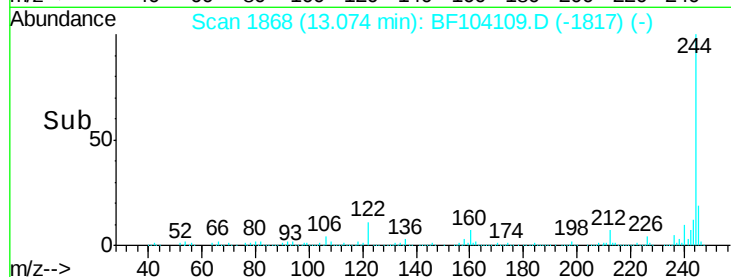
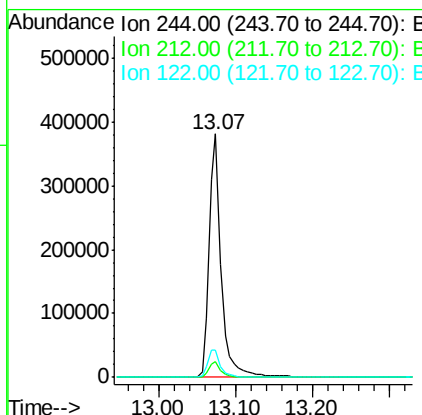
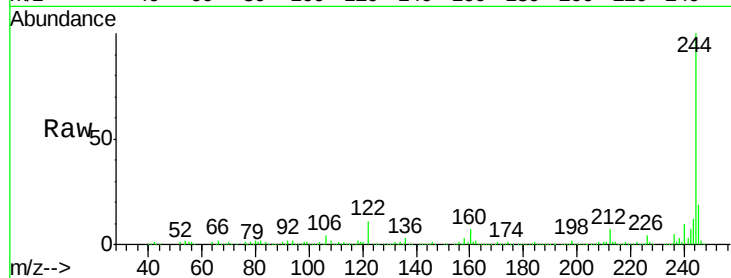




#78
 Terphenyl-d14
 Concen: 39.997 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

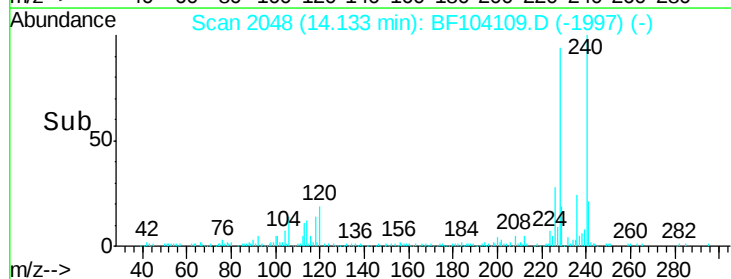
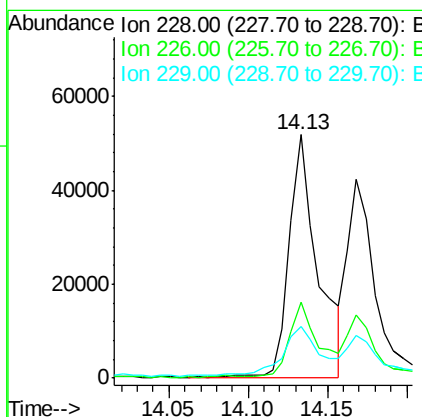
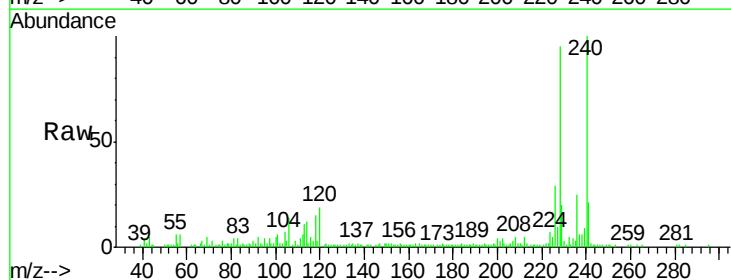
Instrument :
 BNA_F
 ClientSampleId :

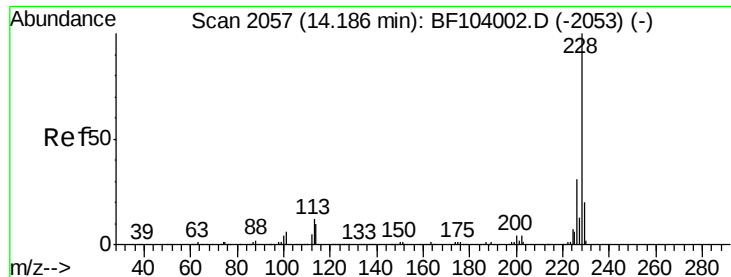
Tot Ion:244 Resp: 409479
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.429 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: BF104109.D
 Acq: 30 Mar 2018 22:39

Tgt Ion:228 Resp: 65510
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 33.8
 229 21.1 15.8 23.6

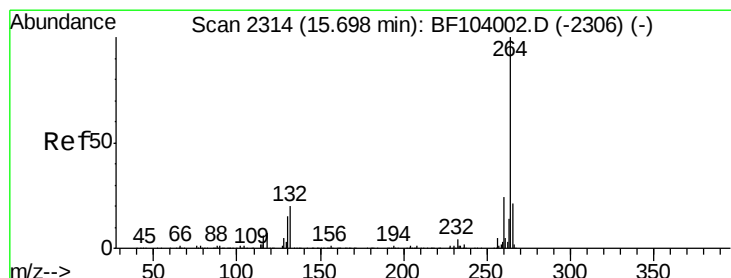
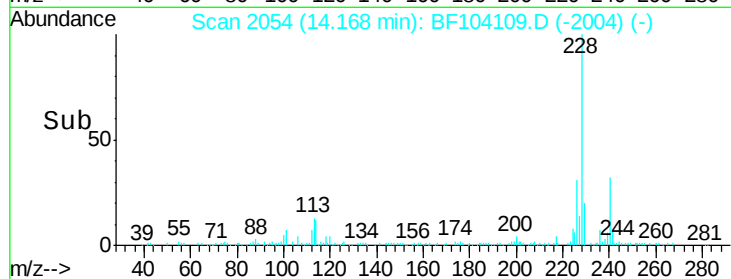
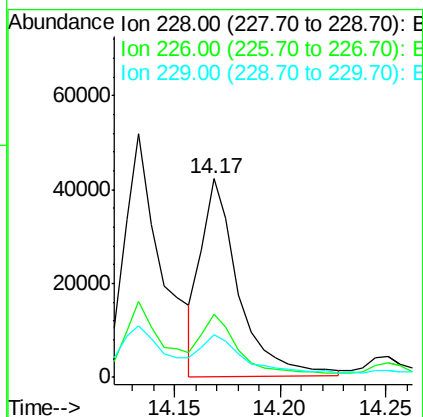
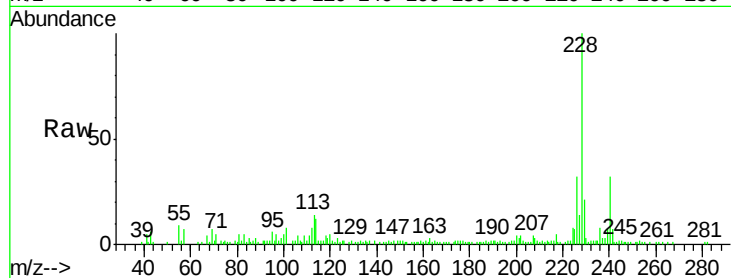




#82
Chrysene
Concen: 3.592 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

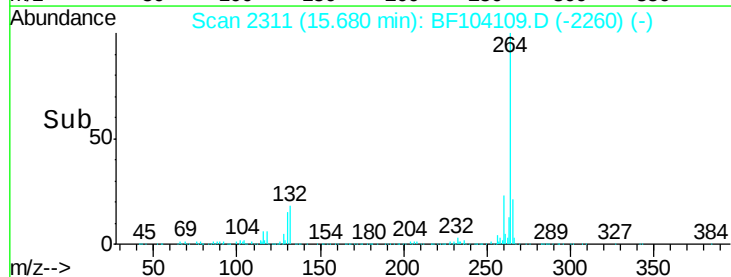
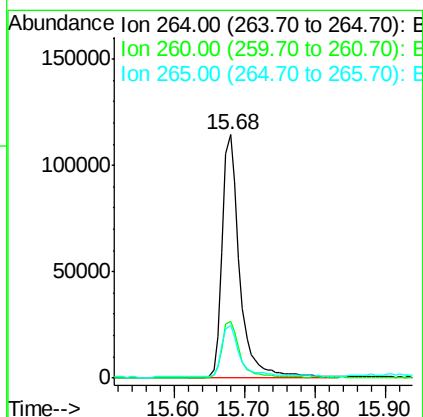
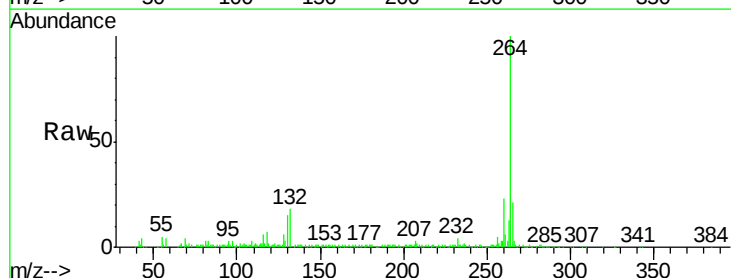
Instrument :
BNA_F
ClientSampleId :

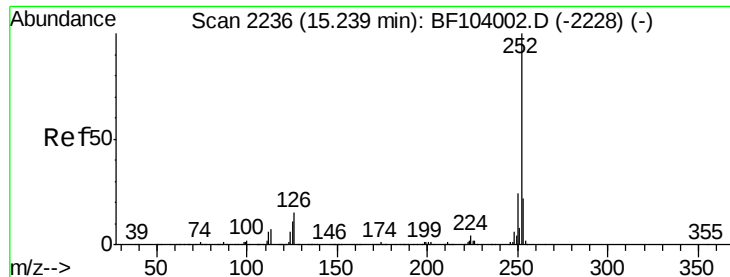
Tot Ion:228 Resp: 52044
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 21.4 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:264 Resp: 199281
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 7.407 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

Instrument :

BNA_F

ClientSampleId :

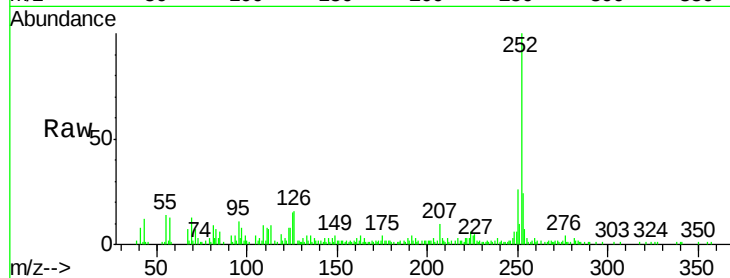
Tot Ion:252 Resp: 89838

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

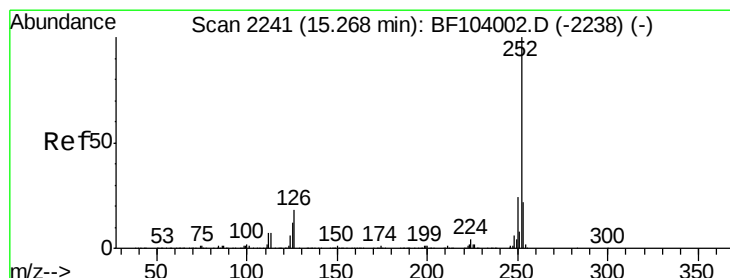
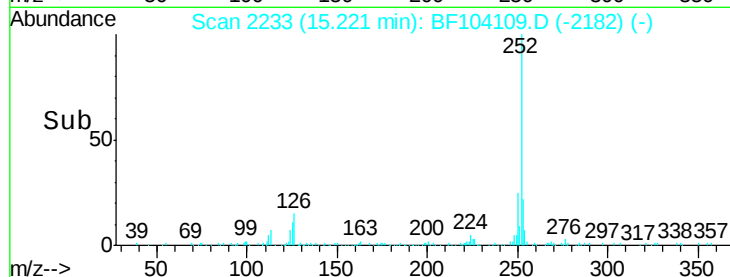
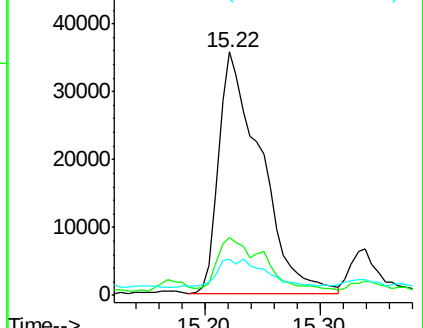
125 14.9 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 7.863 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF104109.D

Acq: 30 Mar 2018 22:39

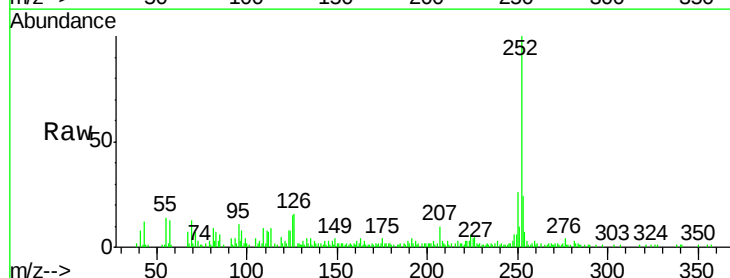
Tgt Ion:252 Resp: 89838

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

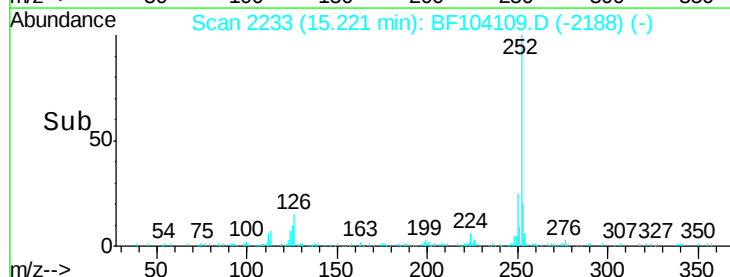
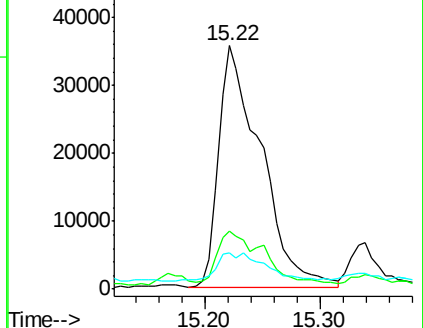
125 14.9 10.2 15.2

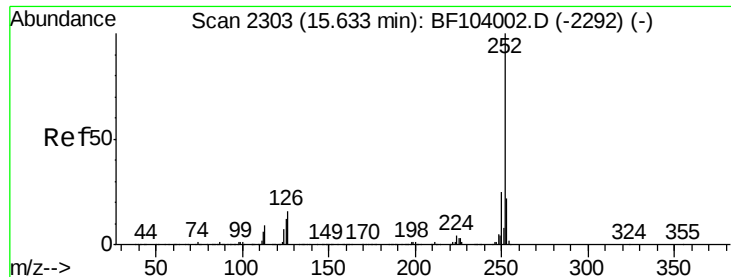


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

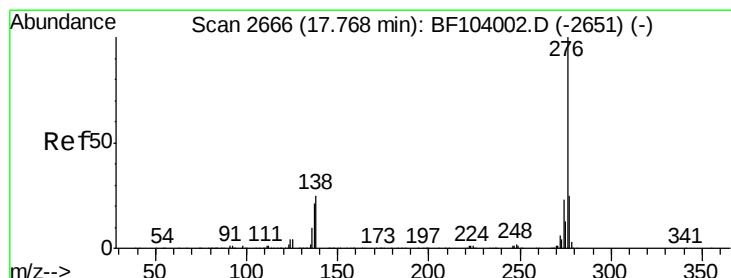
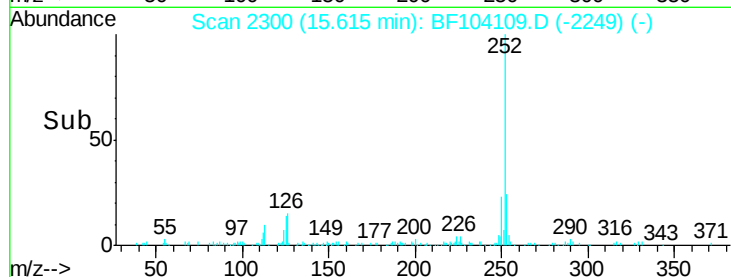
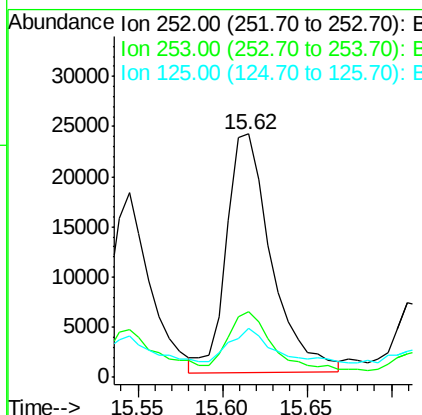
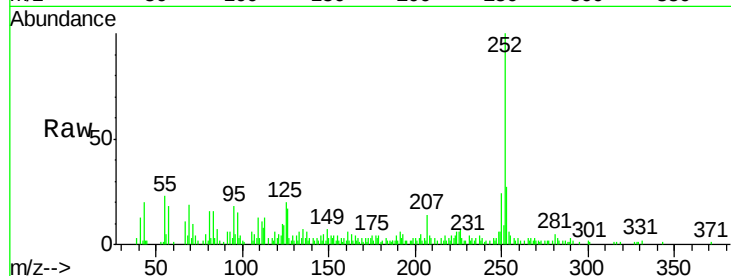




#89
Benzo(a)pyrene
Concen: 3.922 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44081
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 19.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.076 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.00 min
Lab File: BF104109.D
Acq: 30 Mar 2018 22:39

Tgt Ion:276 Resp: 21611
Ion Ratio Lower Upper
276 100
277 29.5 17.9 26.9#
138 28.4 21.8 32.8

