

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104764.D
 Acq On : 24 Apr 2018 18:47
 Operator : JU/SJ
 Sample : J2151-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:58:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114705	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	447878	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	202630	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	315356	20.00	ng	0.00
75) Chrysene-d12	13.99	240	231167	20.00	ng	0.00
86) Perylene-d12	15.47	264	168623	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	627561	83.66	ng	0.02
7) Phenol-d6	6.46	99	762934	82.77	ng	0.01
23) Nitrobenzene-d5	7.37	82	457963	66.77	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	171504	81.59	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	824256	64.26	ng	0.00
78) Terphenyl-d14	12.93	244	610568	60.22	ng	0.00

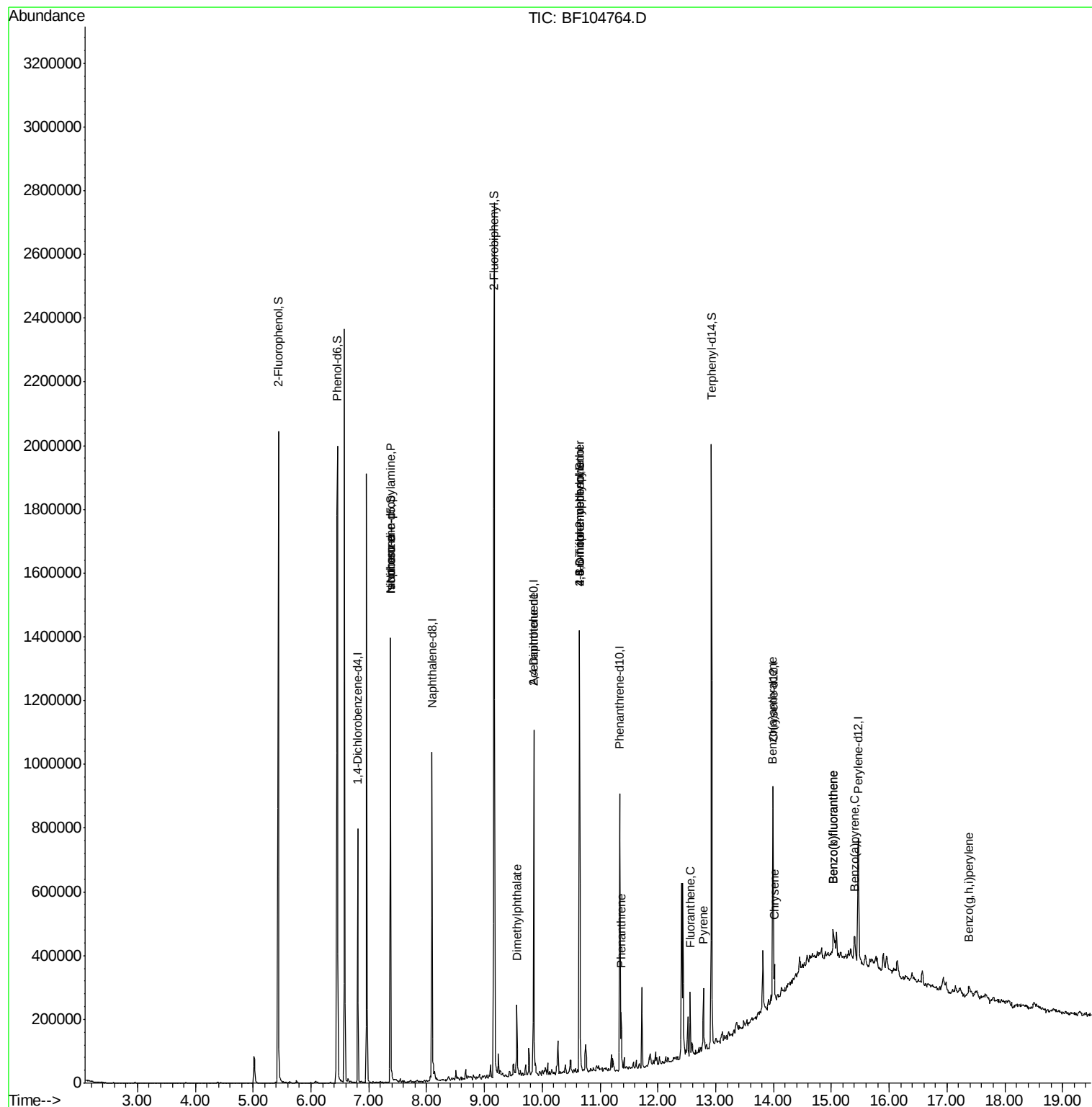
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	59700	9.912	ng	# 72
25) Isophorone	7.37	82	457956	31.574	ng	# 64
49) Dimethylphthalate	9.56	163	71970	4.504	ng	100
56) 2,4-Dinitrotoluene	9.85	165	27053	6.975	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.65	198	204	7.460	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	10240	3.053	ng	# 1
70) Phenanthrene	11.36	178	55901	3.183	ng	99
74) Fluoranthene	12.56	202	71239	3.882	ng	98
76) Benzidine	12.60	184	530	Below Cal		# 1
77) Pyrene	12.79	202	69960	4.083	ng	99
80) Benzo(a)anthracene	13.98	228	34092	2.469	ng	96
82) Chrysene	14.02	228	42313	2.983	ng	96
87) Benzo(b)fluoranthene	15.04	252	42159	3.959	ng	# 83
88) Benzo(k)fluoranthene	15.04	252	42159	4.193	ng	# 86
89) Benzo(a)pyrene	15.40	252	26443	2.775	ng	# 82
91) Benzo(g,h,i)perylene	17.38	276	23896	3.152	ng	92

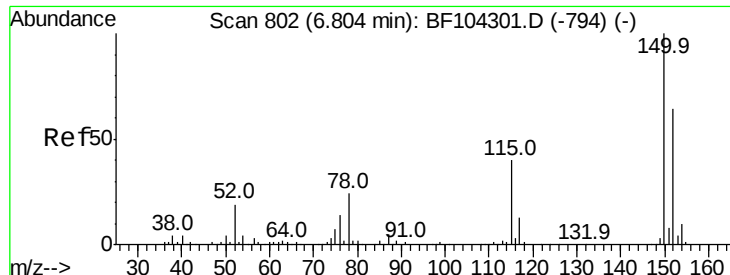
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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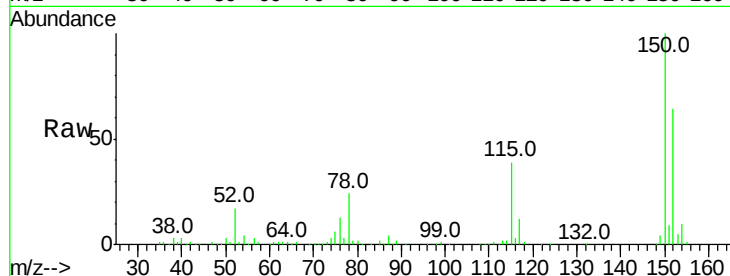


#1

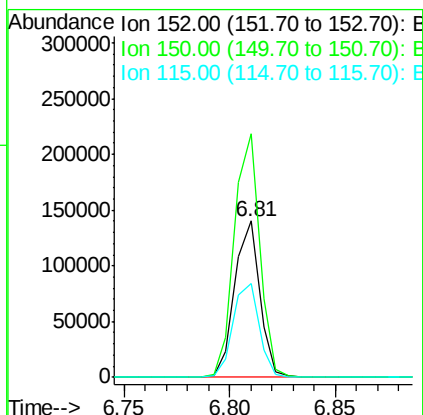
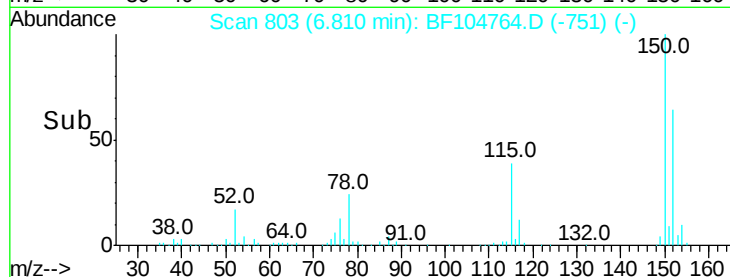
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114705
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 60.3 50.1 75.1



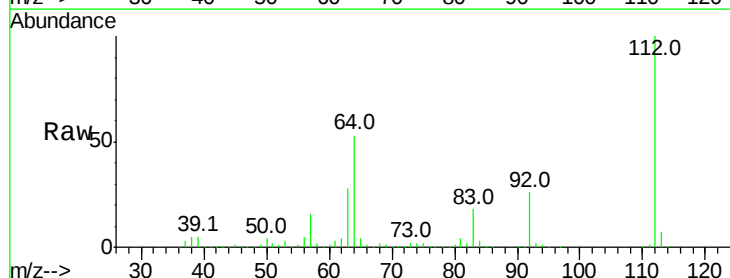
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



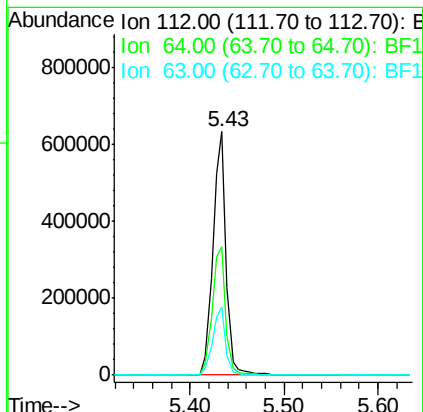
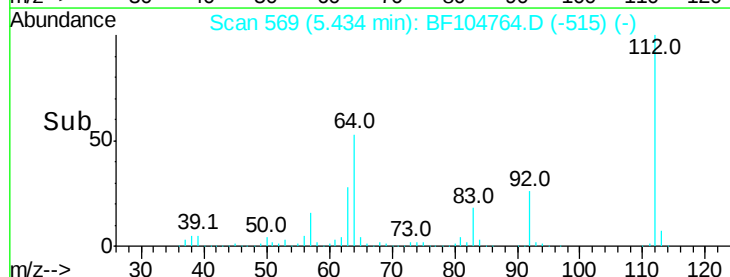
#5

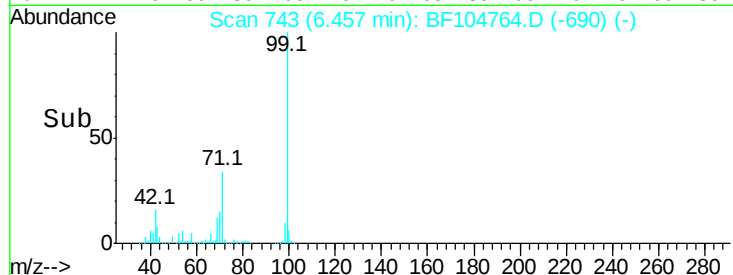
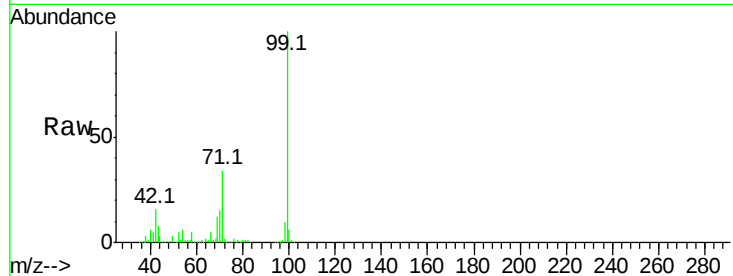
2-Fluorophenol
Concen: 83.656 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Tgt Ion:112 Resp: 627561
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 27.9 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: 82.773 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Instrument :

BNA_F

ClientSampleId :

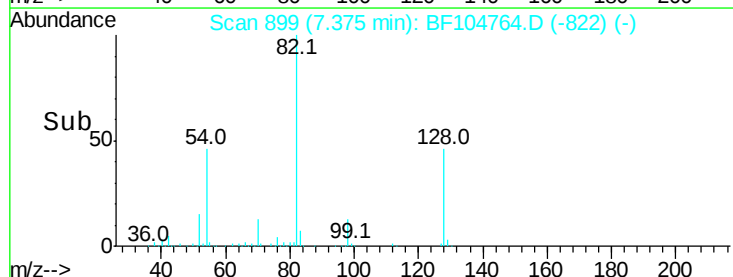
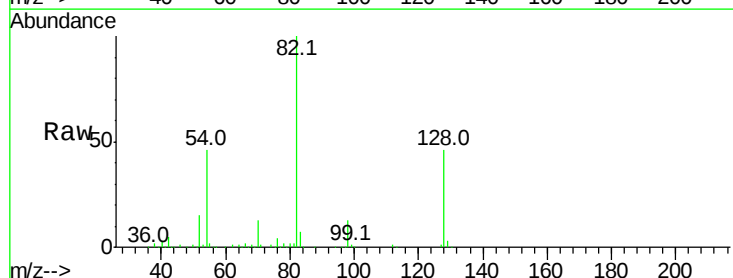
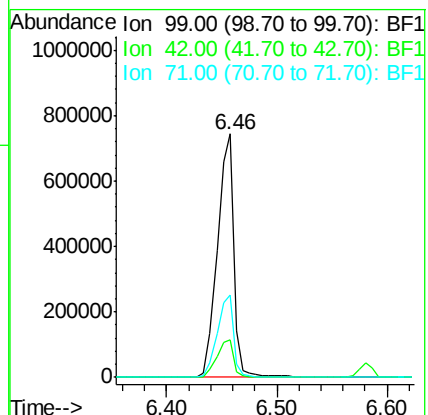
Tot Ion: 99 Resp: 762934

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 34.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.912 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Tgt Ion: 70 Resp: 59700

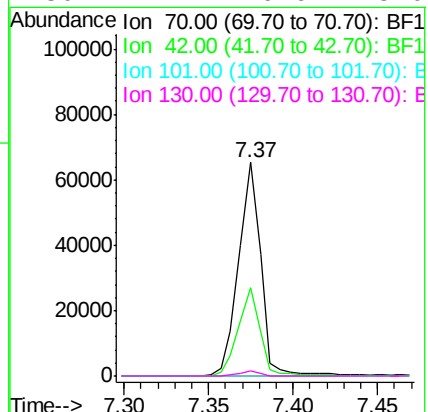
Ion Ratio Lower Upper

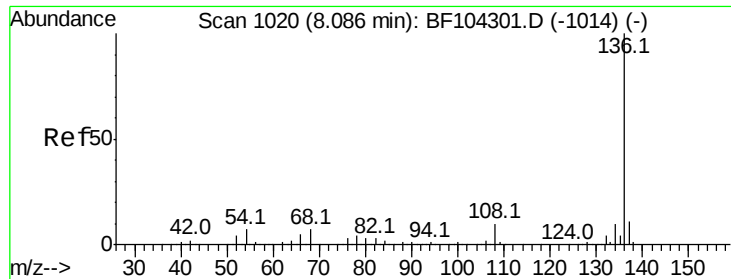
70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 447878

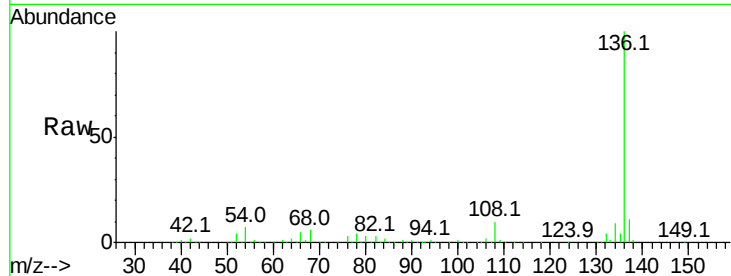
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.8 6.6 9.8

68 5.6 5.0 7.4

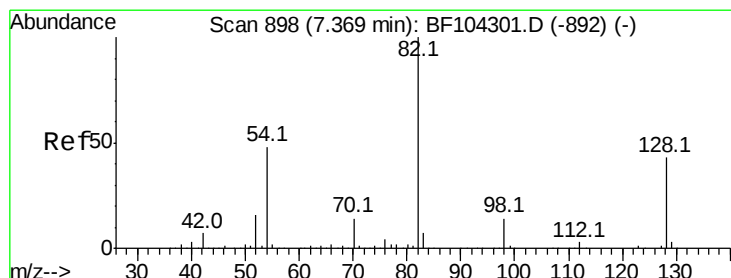
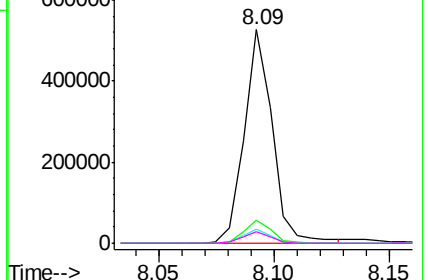
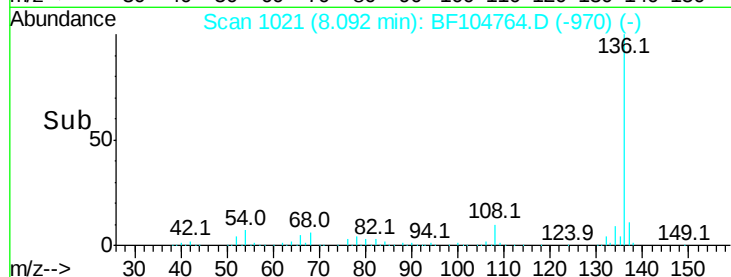


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.768 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

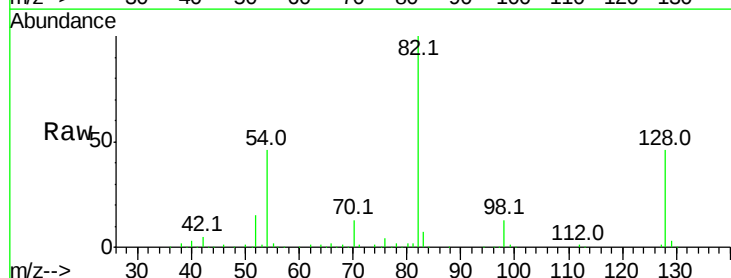
Tgt Ion: 82 Resp: 457963

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

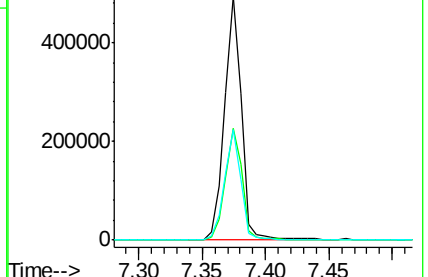
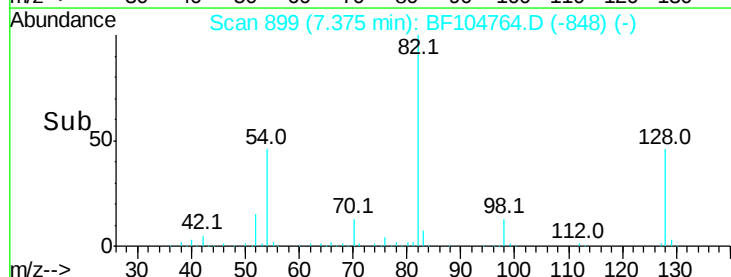
54 45.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.574 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Instrument :

BNA_F

ClientSampleId :

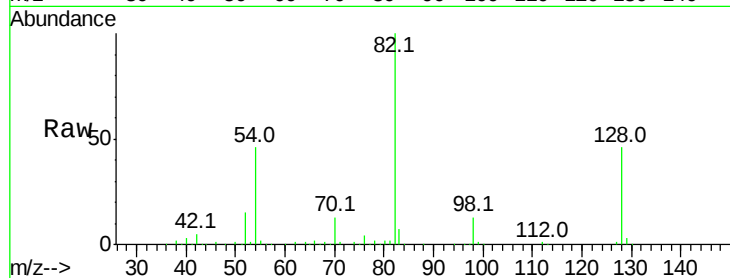
Tot Ion: 82 Resp: 457956

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

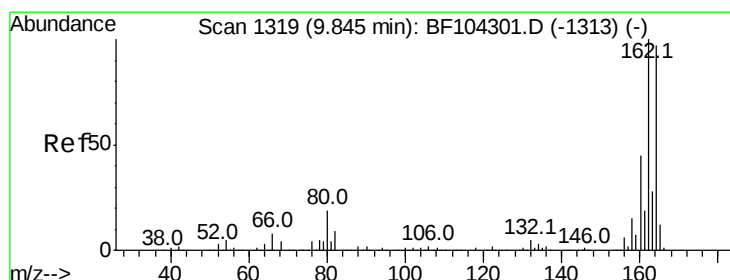
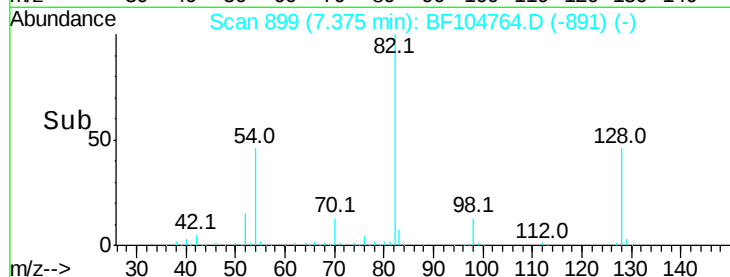
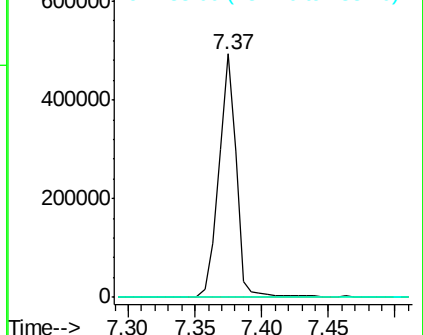
138 0.0 14.9 22.3#



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# 1320

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

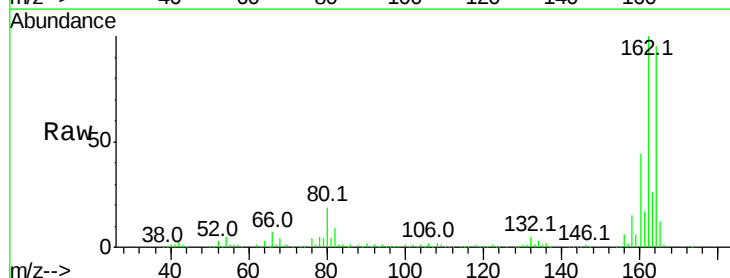
Tgt Ion:164 Resp: 202630

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

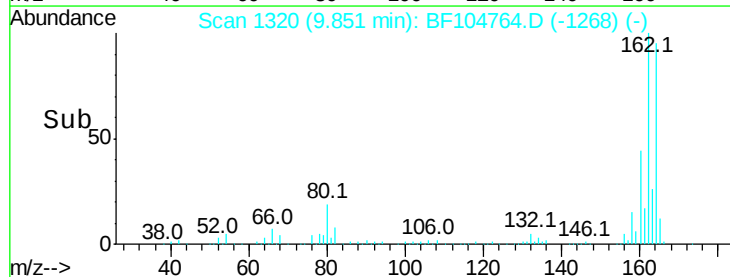
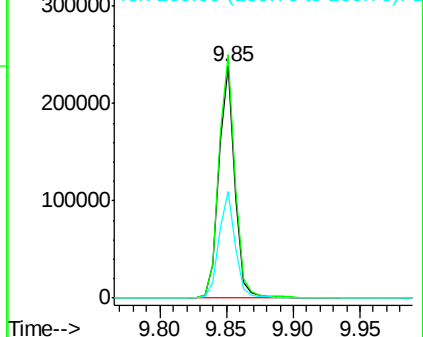
160 46.0 38.3 57.5



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

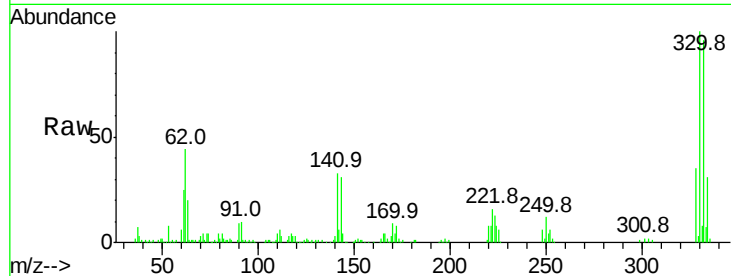




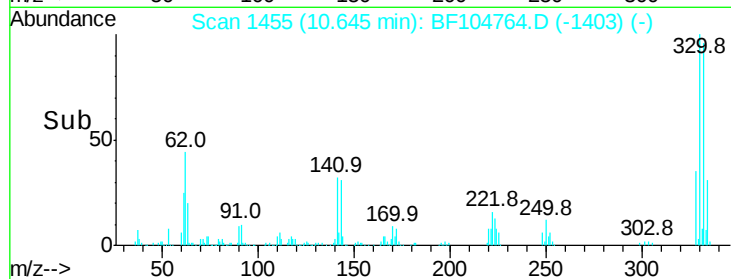
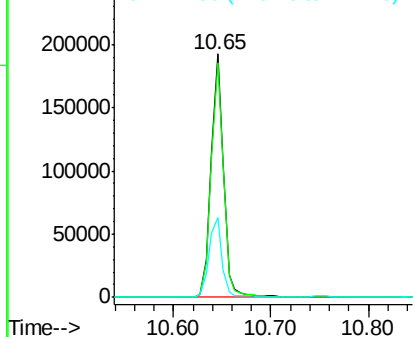
#41
 2,4,6-Tribromophenol
 Concen: 81.593 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	34.8	29.9	44.9

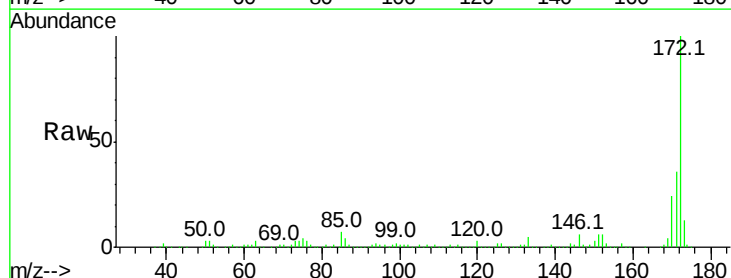


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

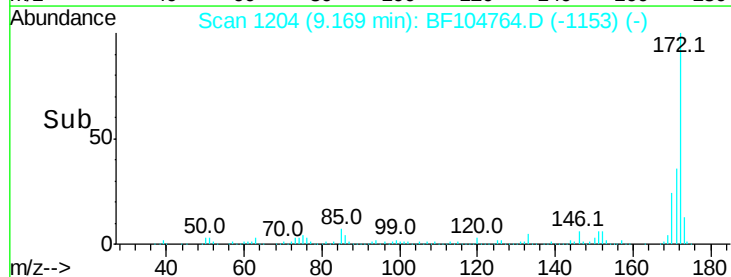
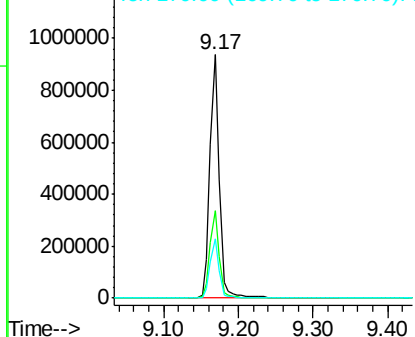


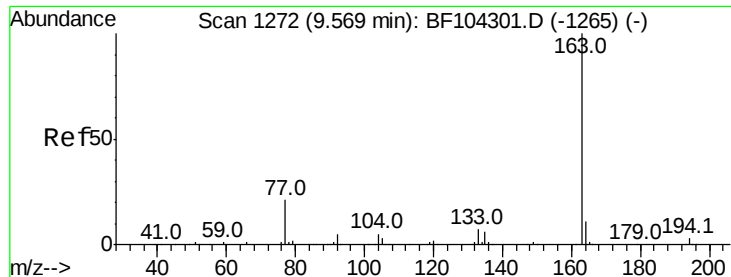
#44
 2-Fluorobiphenyl
 Concen: 64.261 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

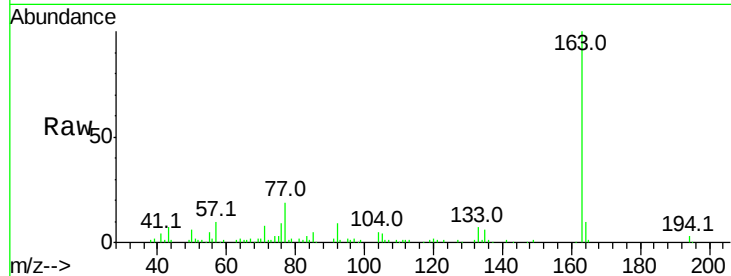




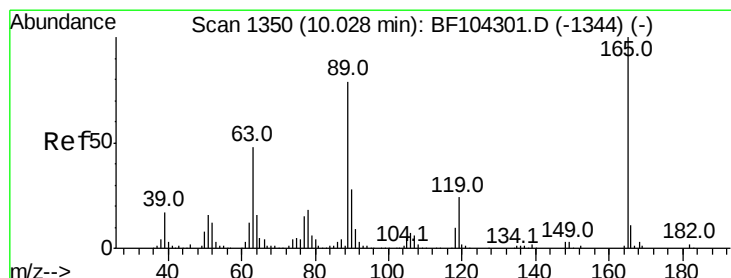
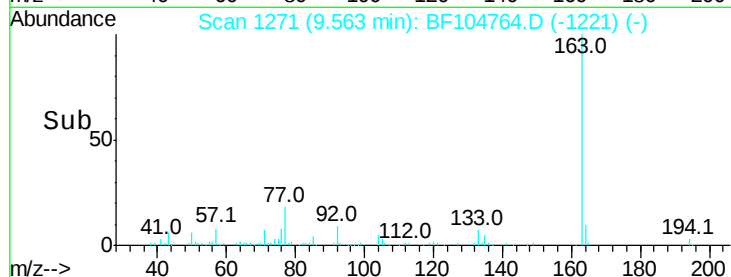
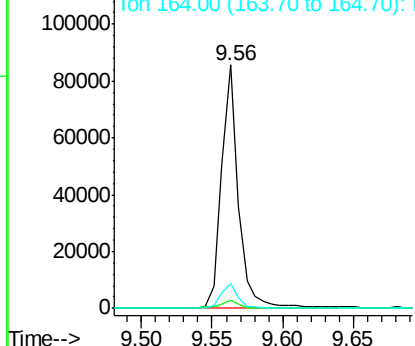
#49
Dimethylphthalate
Concen: 4.504 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 71970
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.1 8.2 12.2

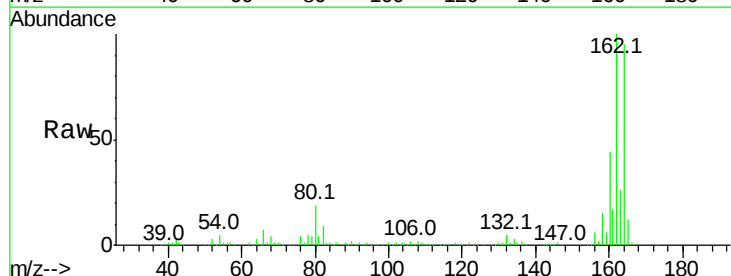


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

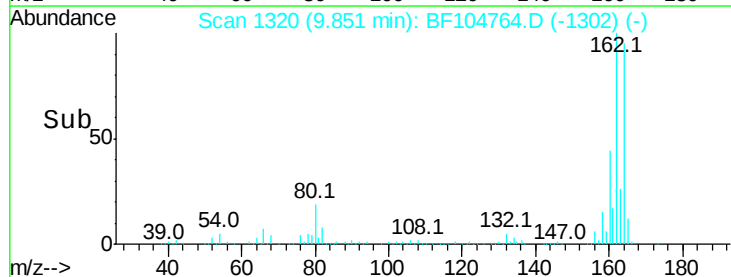
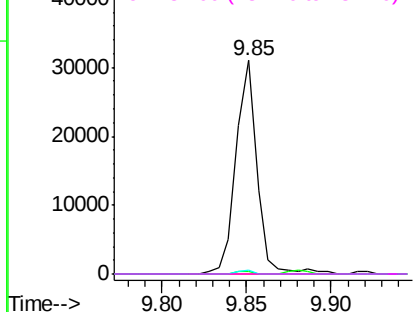


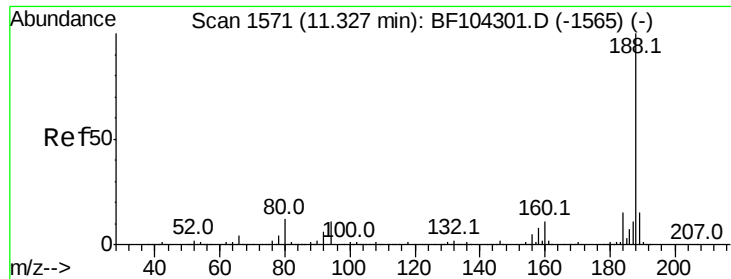
#56
2,4-Dinitrotoluene
Concen: 6.975 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Tgt Ion:165 Resp: 27053
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.8 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

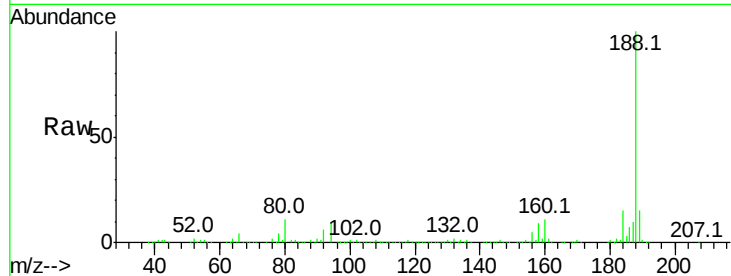




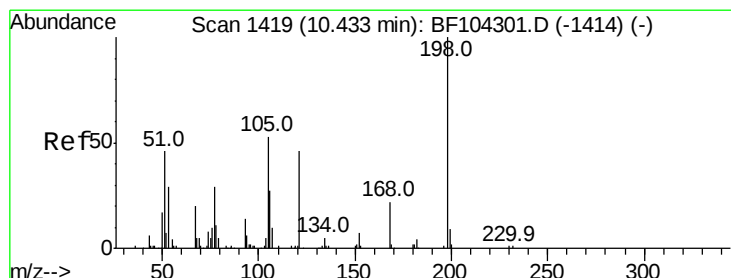
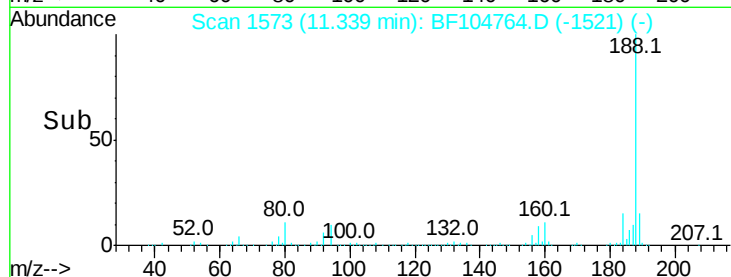
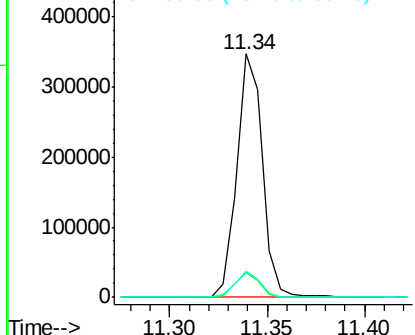
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 315356
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.7 9.2 13.8

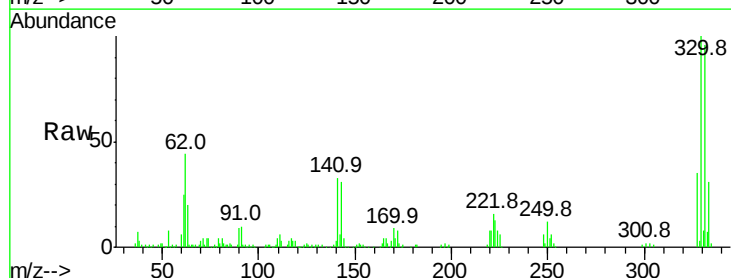


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

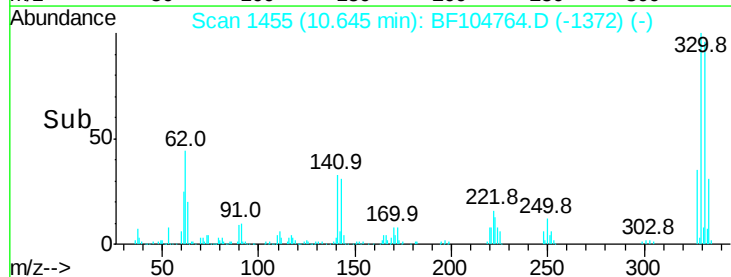
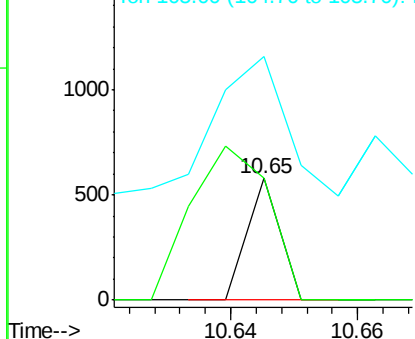


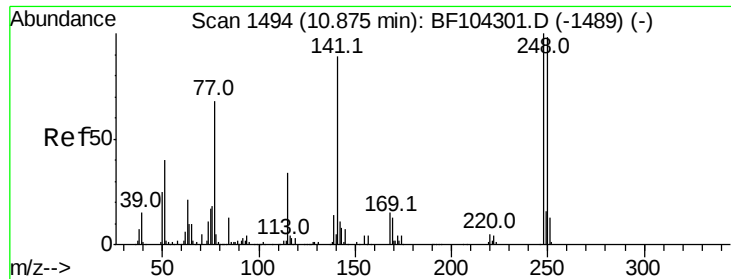
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.460 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Tgt Ion:198 Resp: 204
 Ion Ratio Lower Upper
 198 100
 51 100.9 37.7 77.7#
 105 200.3 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

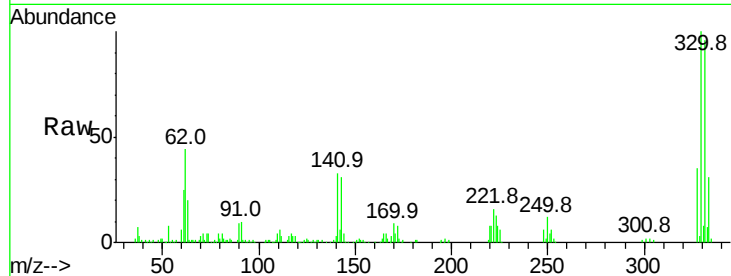




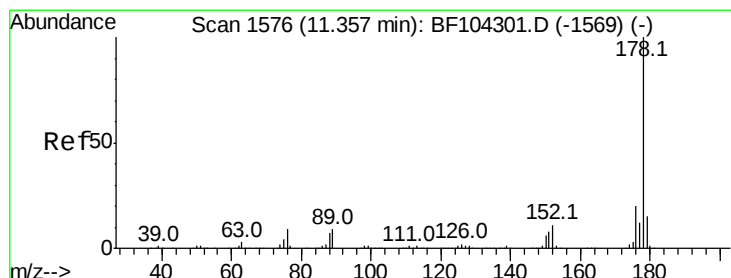
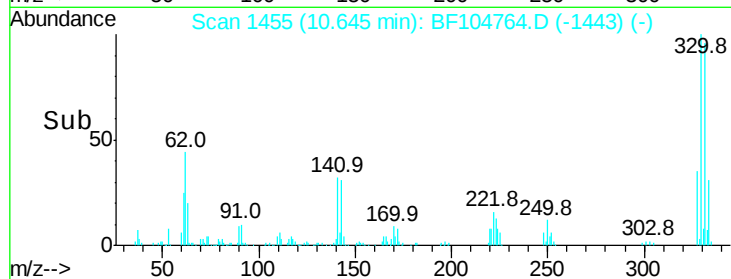
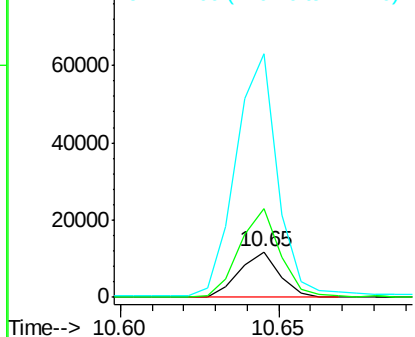
#66
 4-Bromophenyl-phenylether
 Concen: 3.053 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10240
 Ion Ratio Lower Upper
 248 100
 250 192.9 76.9 115.3#
 141 532.3 74.4 111.6#

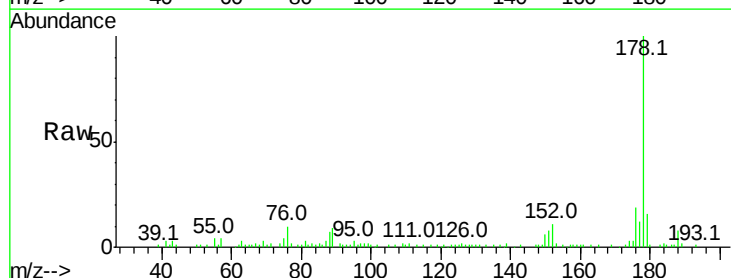


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

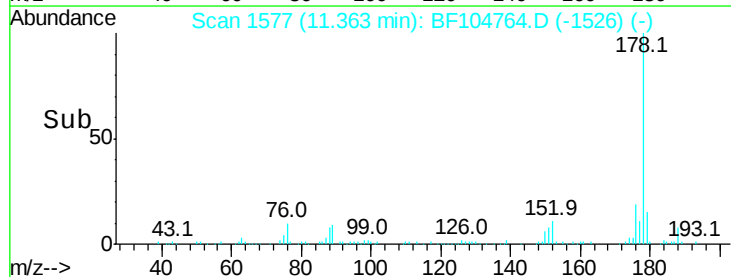
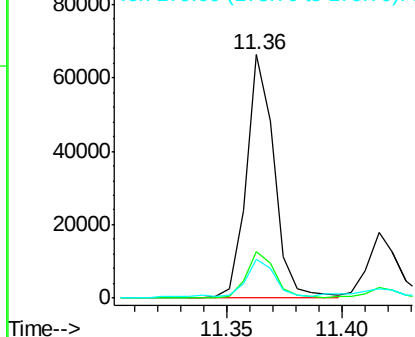


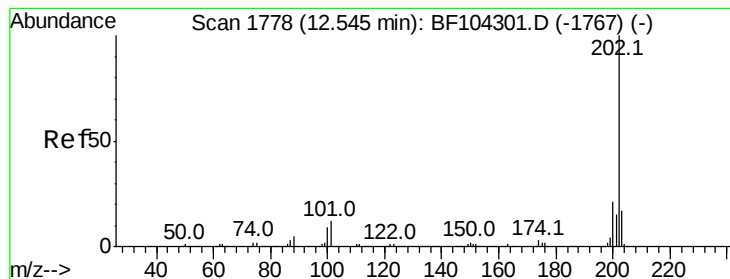
#70
 Phenanthrene
 Concen: 3.183 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Tgt Ion:178 Resp: 55901
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.882 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Instrument :

BNA_F

ClientSampleId :

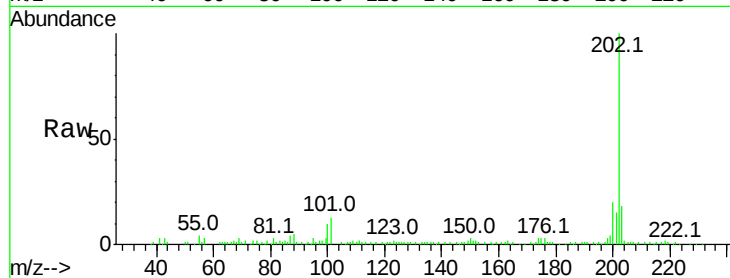
Tot Ion:202 Resp: 71239

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

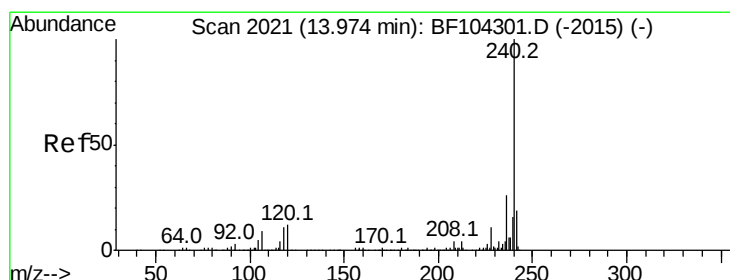
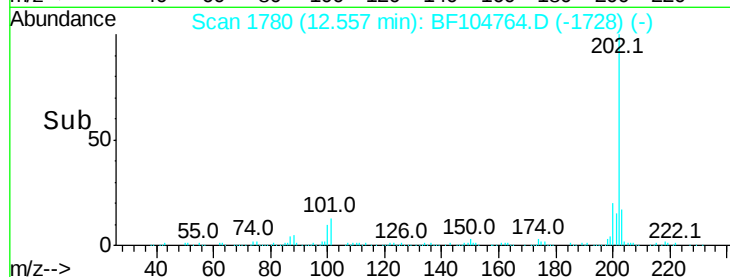
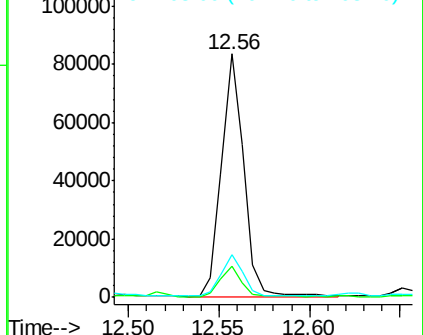
203 17.5 0.0 38.1



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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

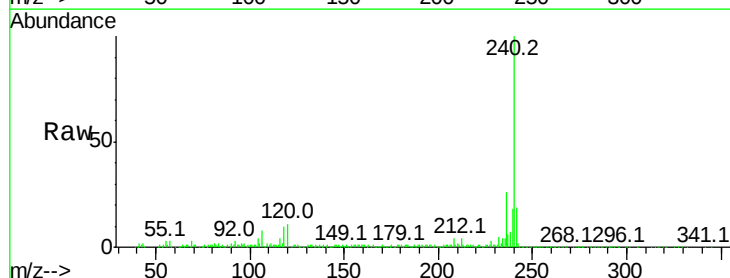
Tgt Ion:240 Resp: 231167

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

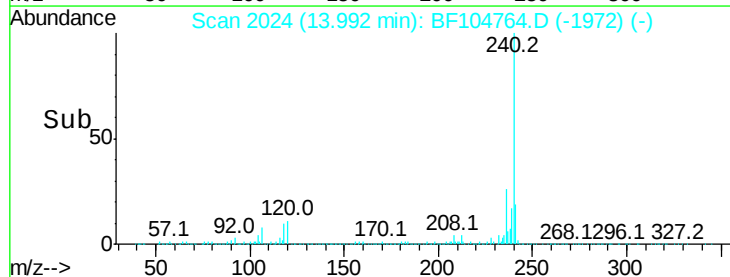
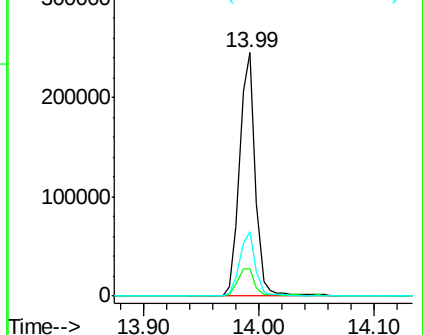
236 26.2 20.7 31.1

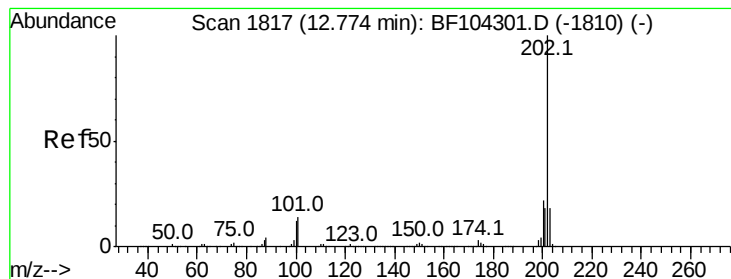


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.083 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

Instrument :

BNA_F

ClientSampled :

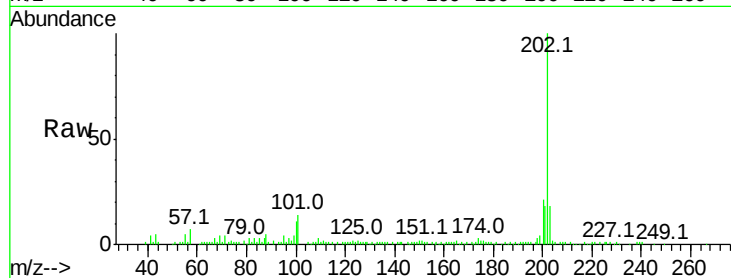
Tot Ion:202 Resp: 69960

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

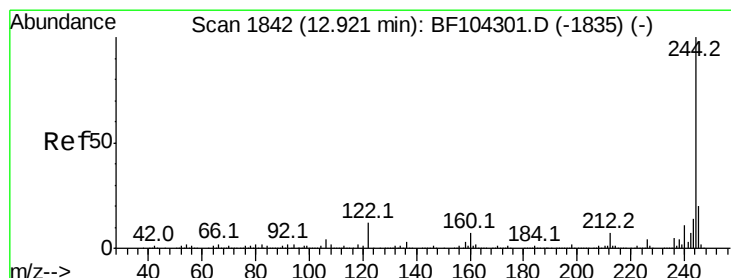
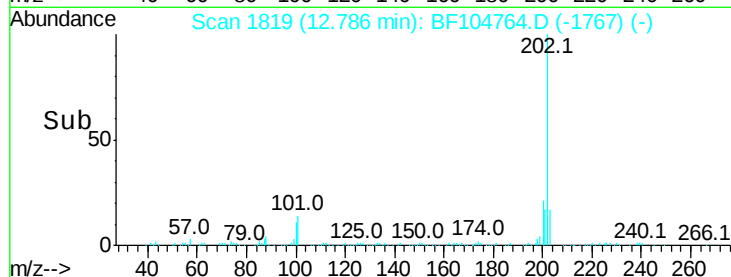
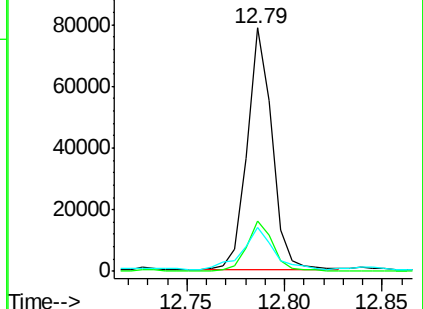
203 18.1 14.3 21.5



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: 60.216 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104764.D

Acq: 24 Apr 2018 18:47

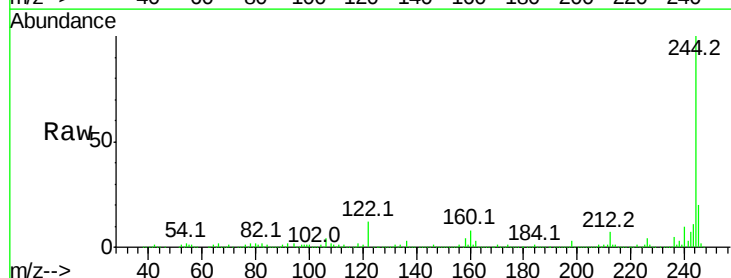
Tgt Ion:244 Resp: 610568

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

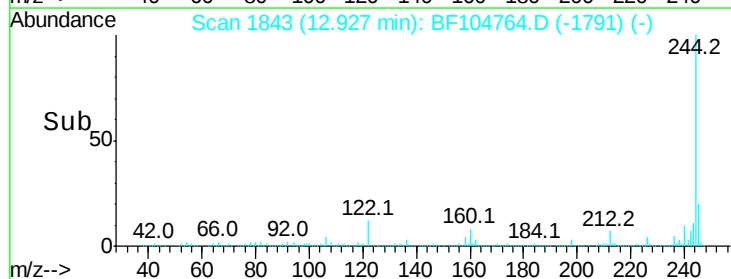
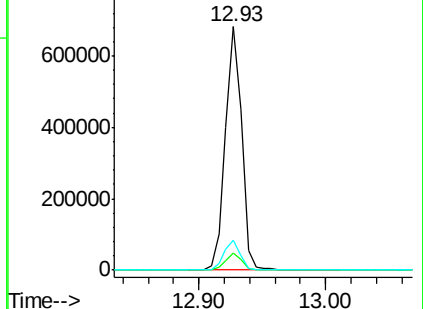
122 12.3 11.0 16.4

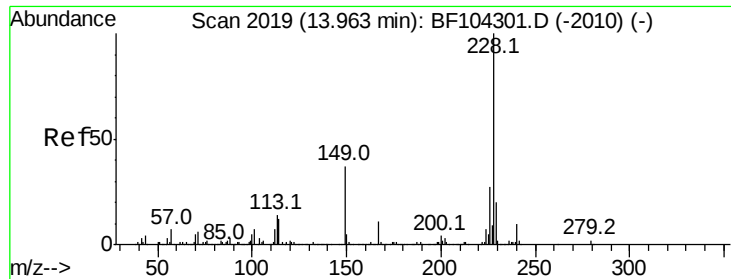


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

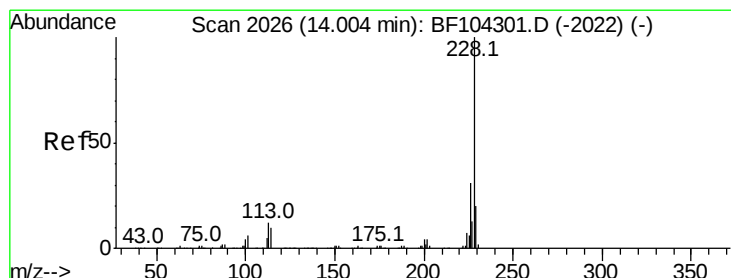
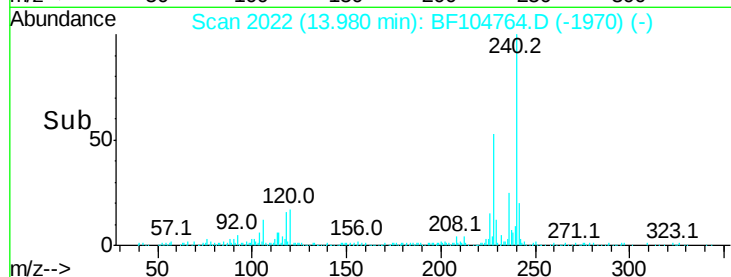
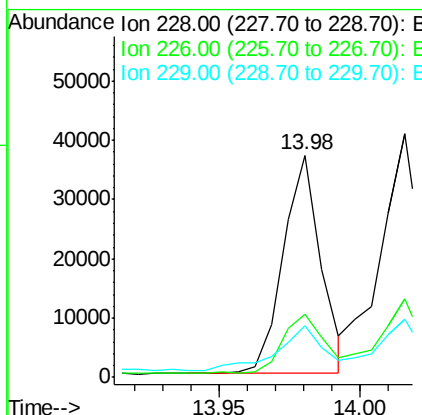
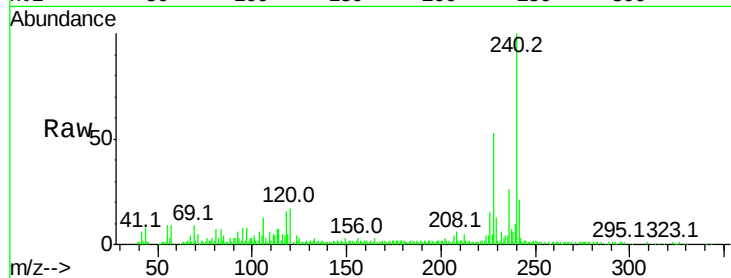




#80
Benzo(a)anthracene
Concen: 2.469 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

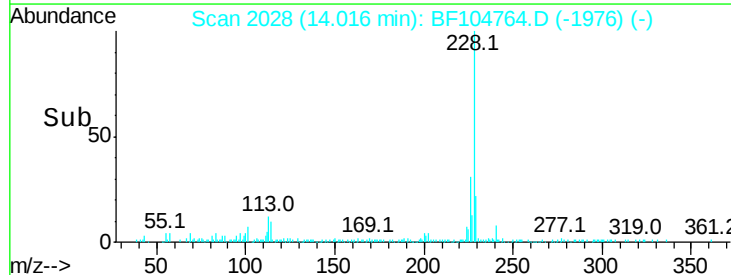
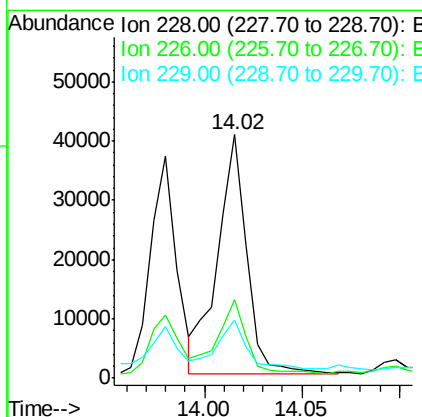
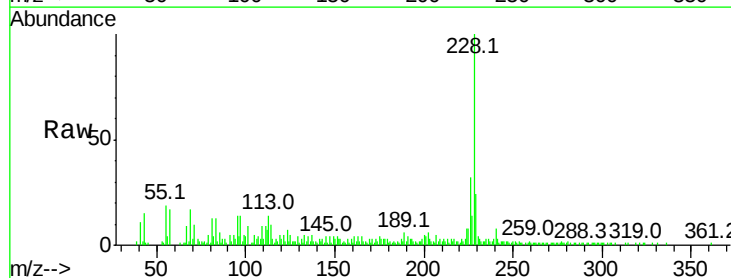
Instrument :
BNA_F
ClientSampleId :

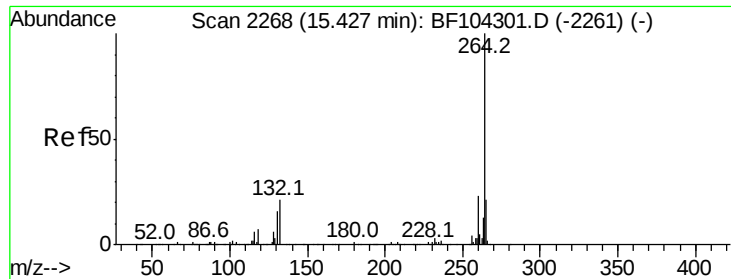
Tot Ion:228 Resp: 34092
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 23.5 15.8 23.6



#82
Chrysene
Concen: 2.983 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Tgt Ion:228 Resp: 42313
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.6
229 23.7 16.2 24.4

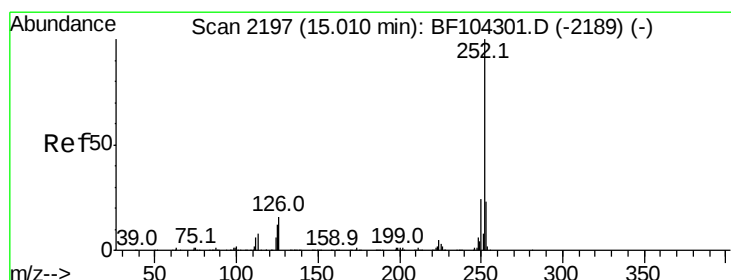
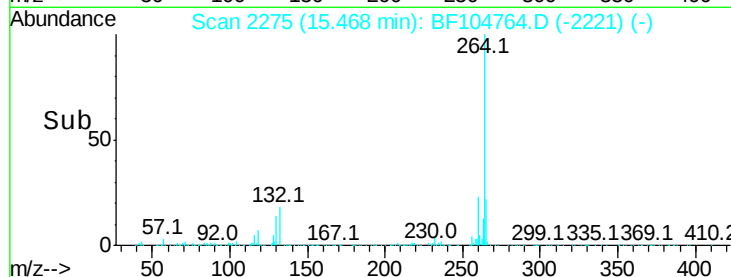
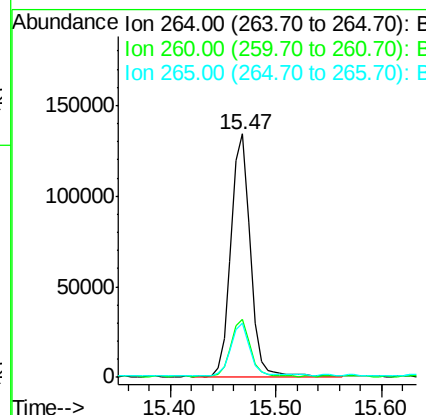
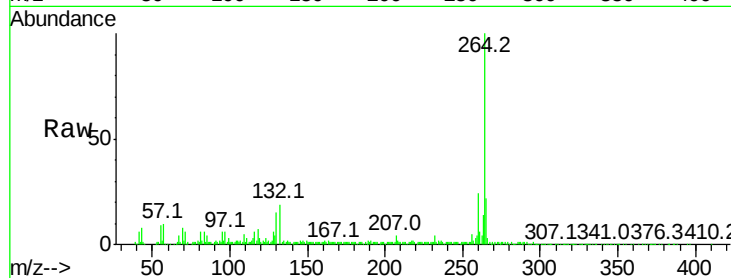




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

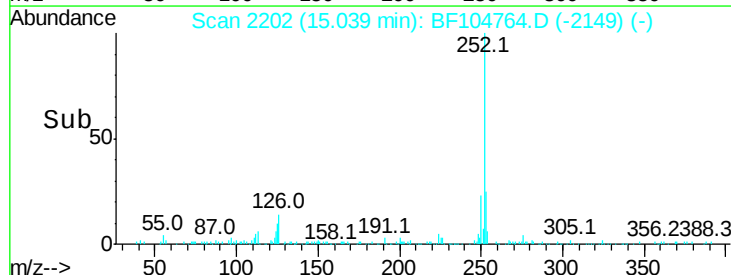
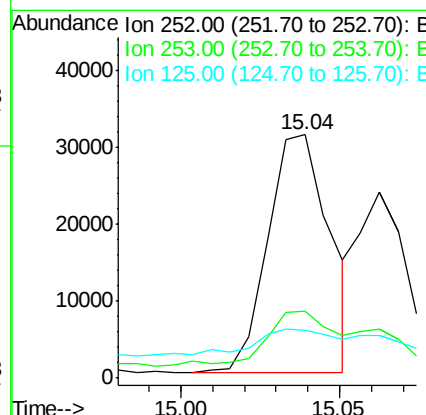
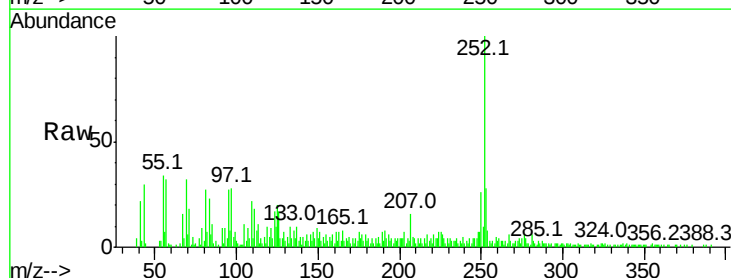
Instrument :
 BNA_F
 ClientSampleId :

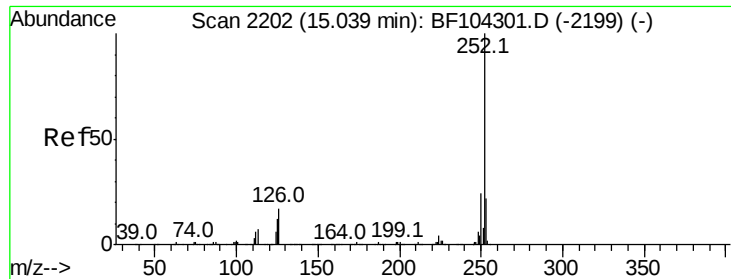
Tot Ion:264 Resp: 168623
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.3 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 3.959 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Tgt Ion:252 Resp: 42159
 Ion Ratio Lower Upper
 252 100
 253 27.8 17.0 25.6#
 125 19.8 9.0 13.6#

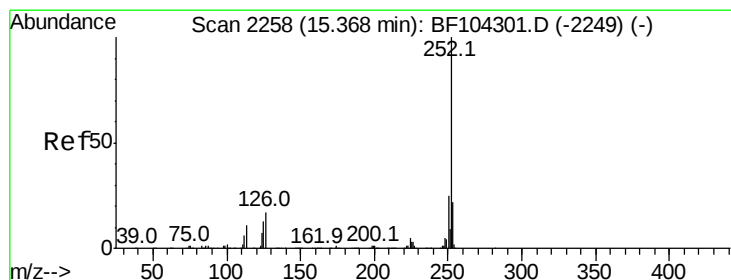
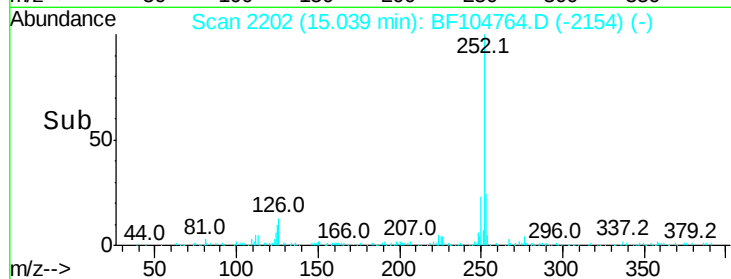
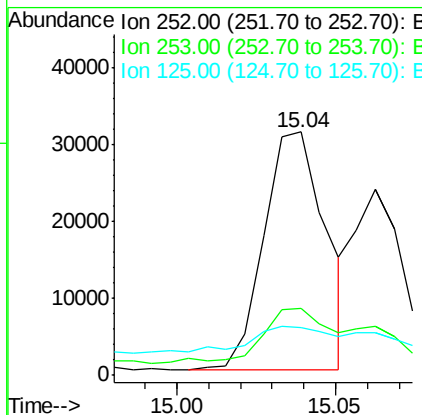
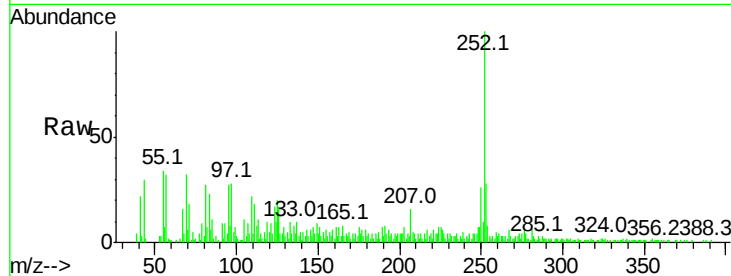




#88
Benzo(k)fluoranthene
Concen: 4.193 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

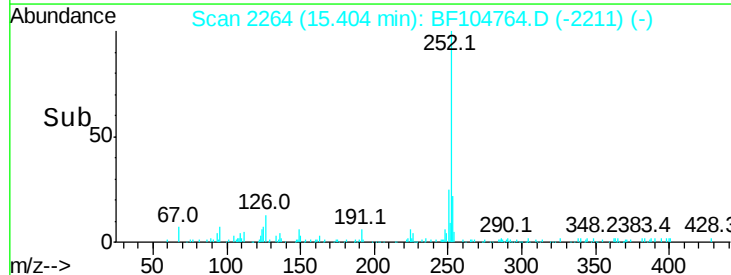
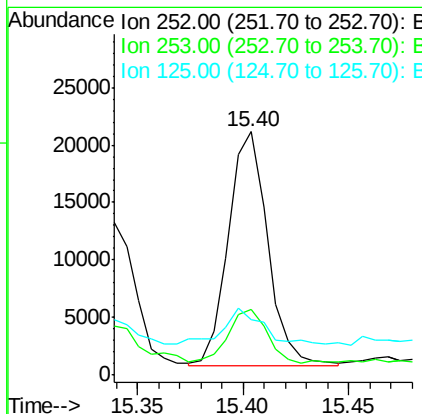
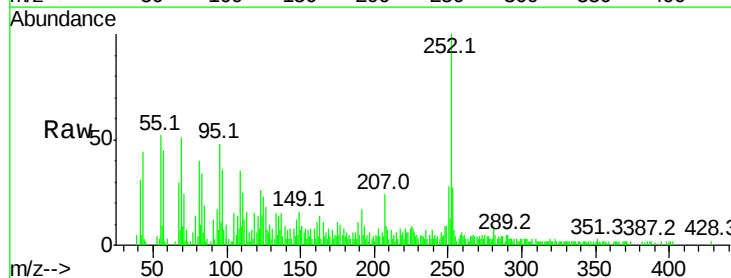
Instrument :
BNA_F
ClientSampleId :

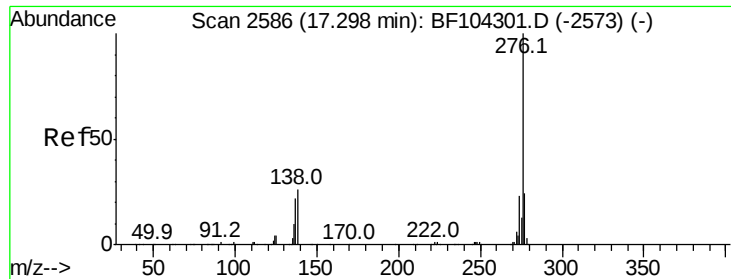
Tot Ion:252 Resp: 42159
Ion Ratio Lower Upper
252 100
253 27.8 17.9 26.9#
125 19.8 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.775 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104764.D
Acq: 24 Apr 2018 18:47

Tgt Ion:252 Resp: 26443
Ion Ratio Lower Upper
252 100
253 27.0 17.1 25.7#
125 23.0 9.8 14.6#

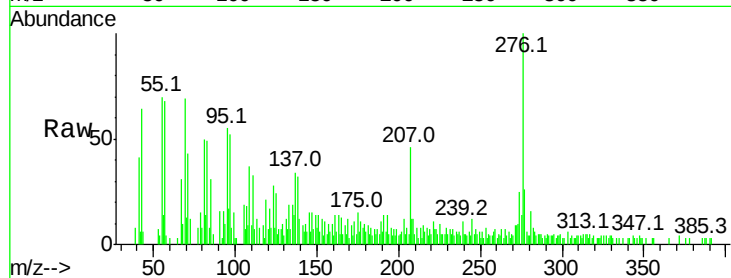




#91
 Benzo(a,h,i)perylene
 Concen: 3.152 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.03 min
 Lab File: BF104764.D
 Acq: 24 Apr 2018 18:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	31.6	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

