

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104767.D
 Acq On : 24 Apr 2018 20:07
 Operator : JU/SJ
 Sample : J2508-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 21:59:01 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	110434	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	445243	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	187781	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	295727	20.00	ng	0.00
75) Chrysene-d12	13.99	240	215747	20.00	ng	0.00
86) Perylene-d12	15.46	264	147871	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	493648	68.35	ng	0.01
7) Phenol-d6	6.45	99	622946	70.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	384493	56.39	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	129720	66.59	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	653374	54.97	ng	0.00
78) Terphenyl-d14	12.93	244	469974	49.66	ng	0.00

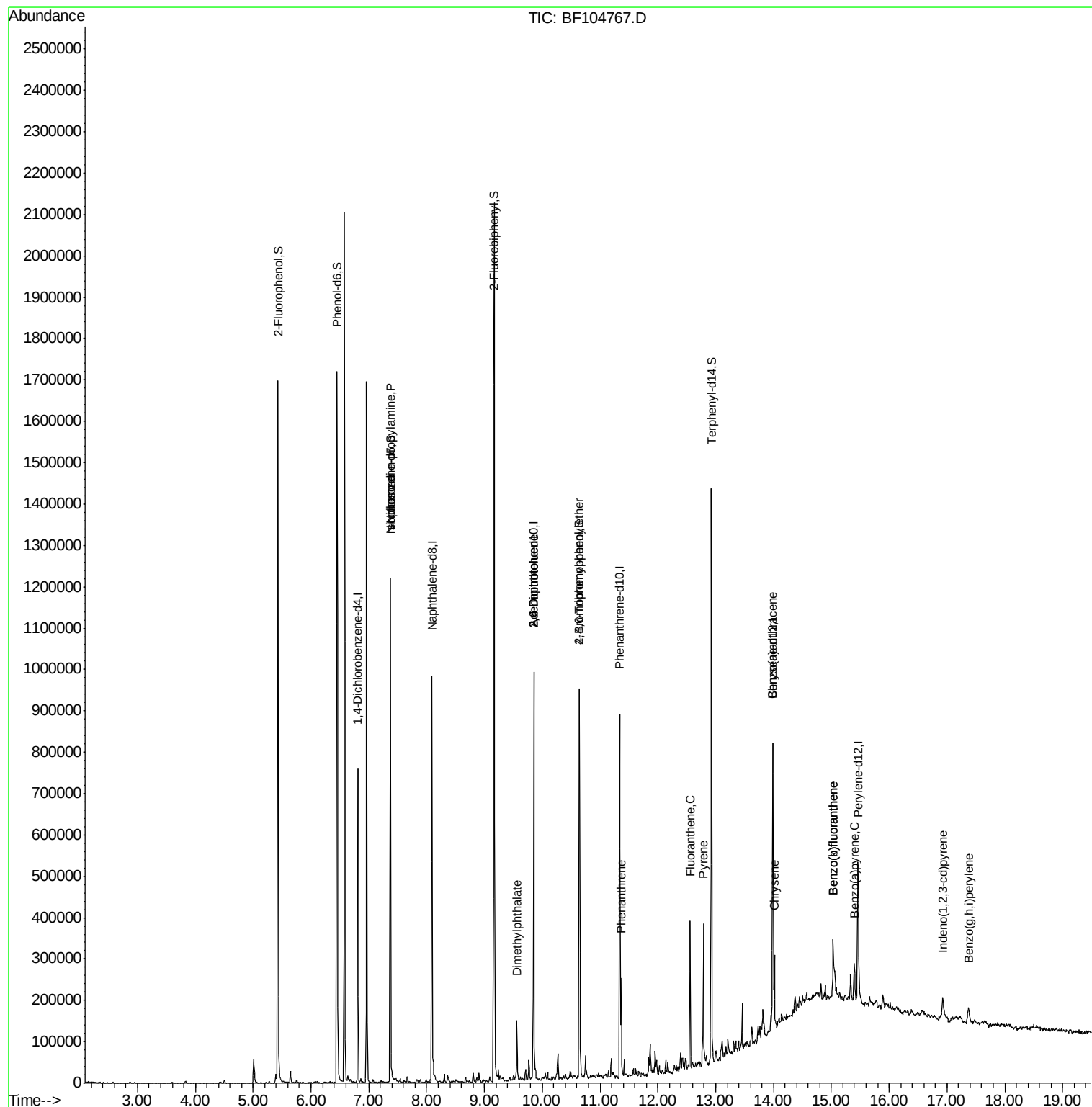
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.37	70	51103	8.813	ng	# 72
25) Isophorone	7.37	82	384488	26.665	ng	# 64
49) Dimethylphthalate	9.56	163	61892	4.180	ng	98
50) 2,6-Dinitrotoluene	9.85	165	24247	8.849	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	24247	6.746	ng	# 24
66) 4-Bromophenyl-phenylether	10.65	248	8207	2.609	ng	# 1
70) Phenanthrene	11.36	178	73452	4.460	ng	97
74) Fluoranthene	12.56	202	127857	7.431	ng	95
76) Benzidine	12.93	184	6285	Below Cal		# 93
77) Pyrene	12.79	202	126344	7.900	ng	98
80) Benzo(a)anthracene	13.98	228	63185	4.902	ng	96
82) Chrysene	14.02	228	70433	5.320	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	31496	2.801	ng	# 90
87) Benzo(b)fluoranthene	15.03	252	74135	7.938	ng	# 95
88) Benzo(k)fluoranthene	15.03	252	74135	8.408	ng	98
89) Benzo(a)pyrene	15.40	252	40714	4.872	ng	# 89
91) Benzo(a,h,i)perylene	17.37	276	33175	4.989	ng	92

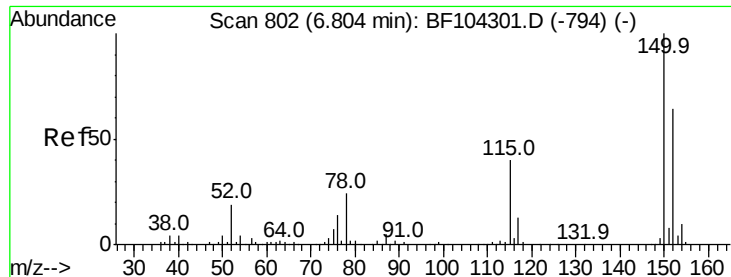
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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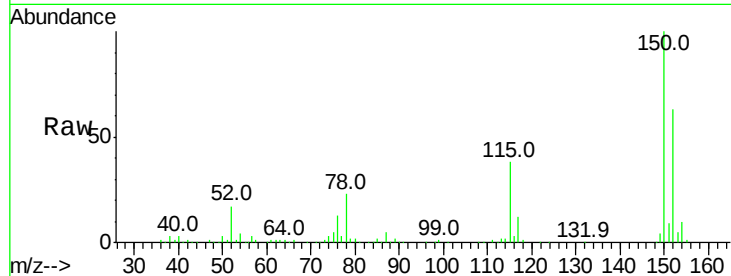


#1

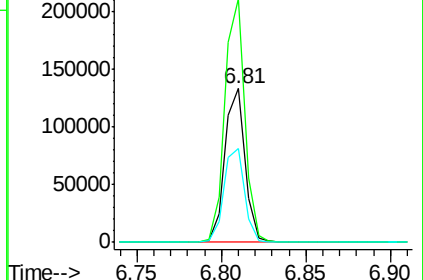
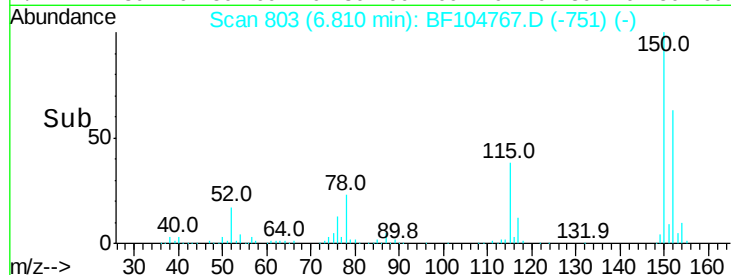
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110434
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 60.7 50.1 75.1



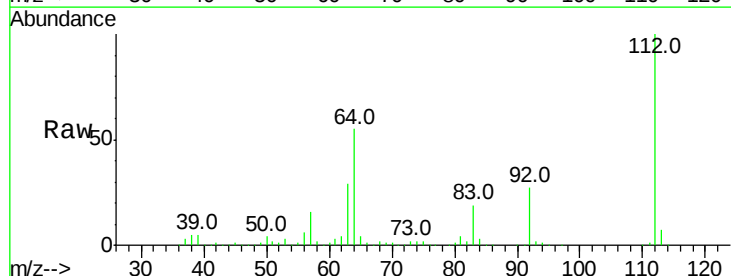
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



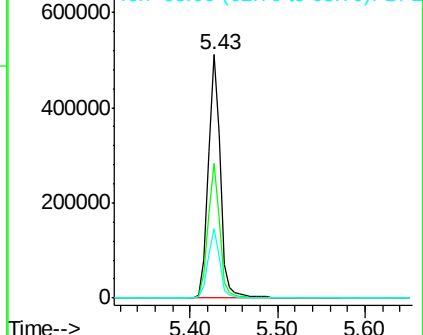
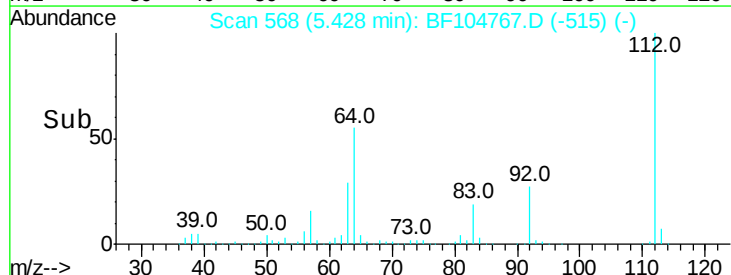
#5

2-Fluorophenol
Concen: 68.350 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:112 Resp: 493648
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.5 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: 70.199 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

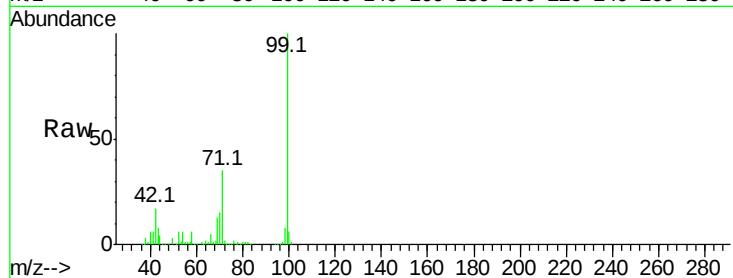
Tot Ion: 99 Resp: 622946

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

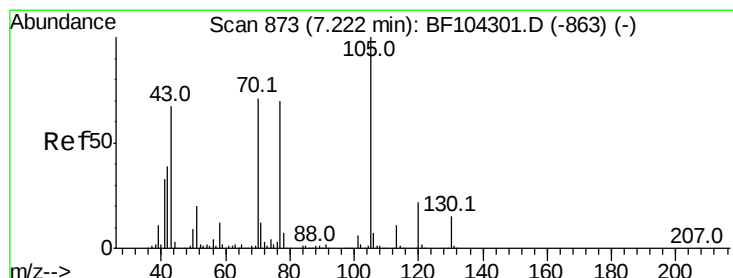
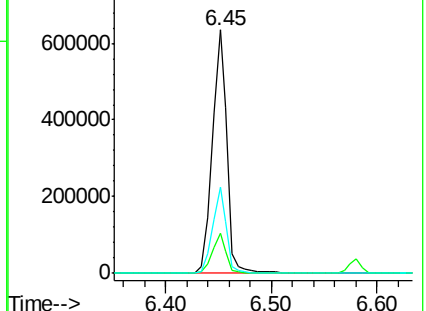
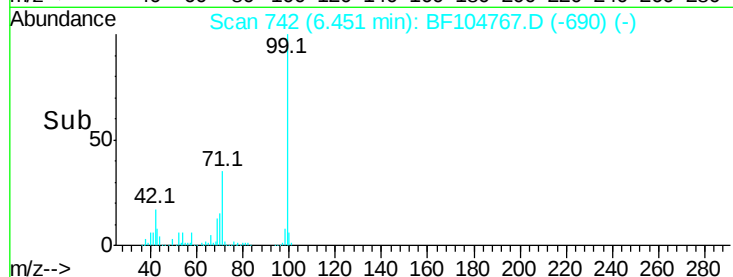
71 35.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 8.813 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Tgt Ion: 70 Resp: 51103

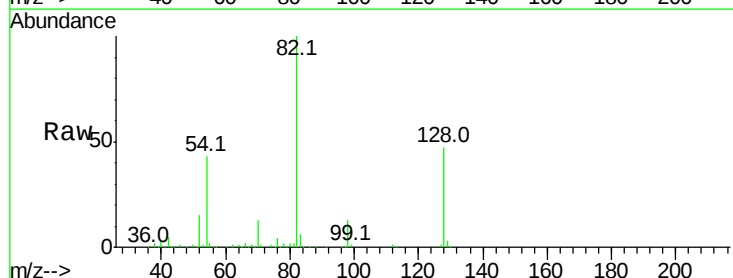
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

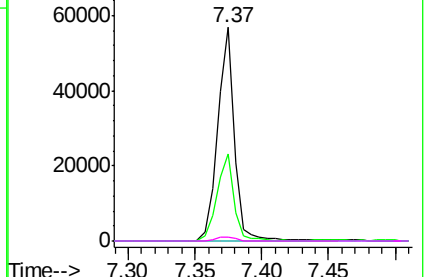
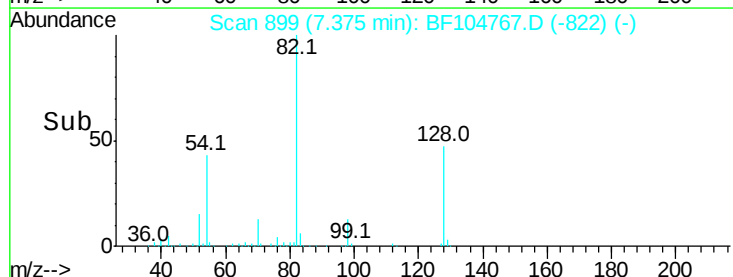


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 445243

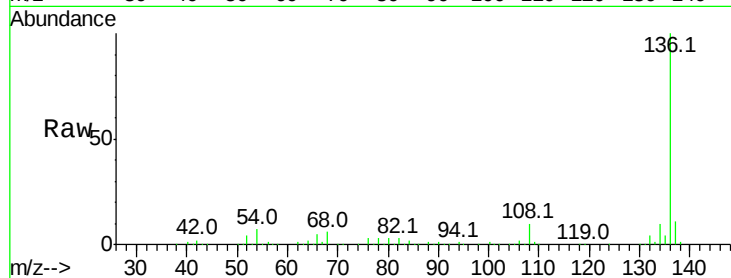
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

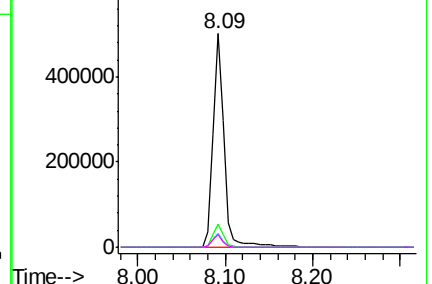
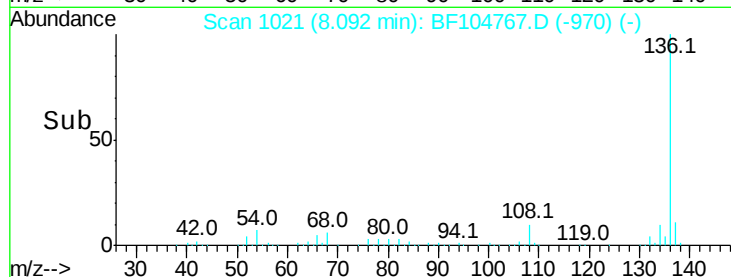


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.389 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

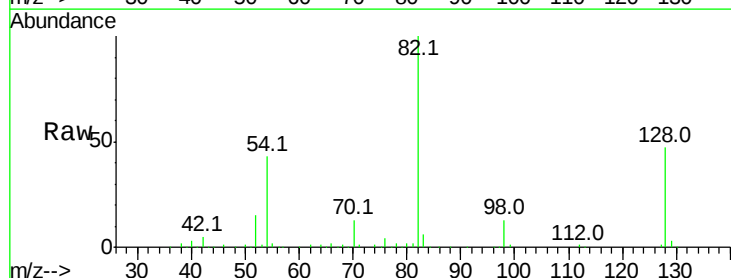
Tgt Ion: 82 Resp: 384493

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

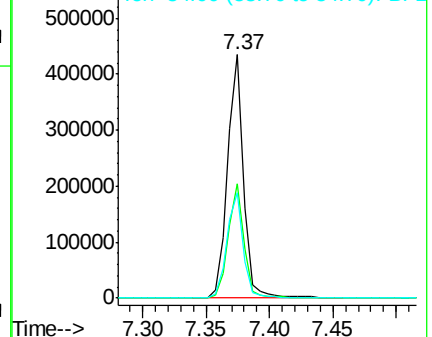
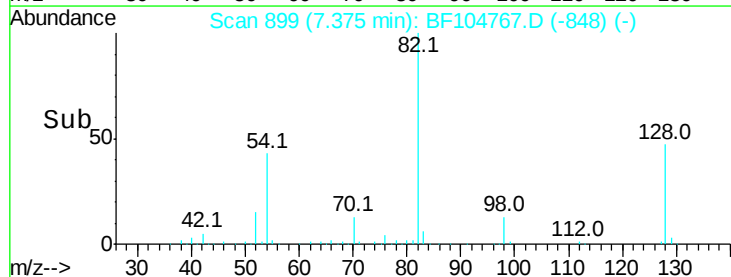
54 43.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.665 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

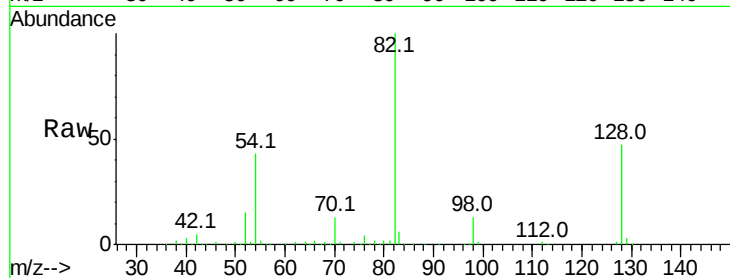
Tot Ion: 82 Resp: 384488

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

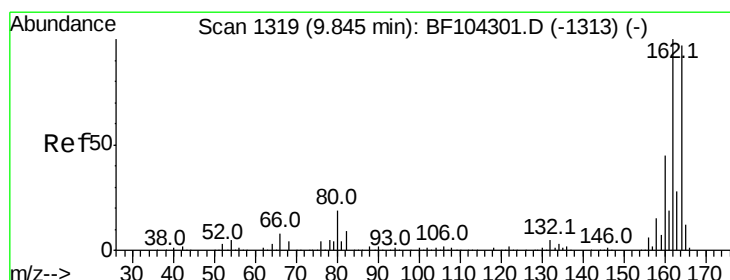
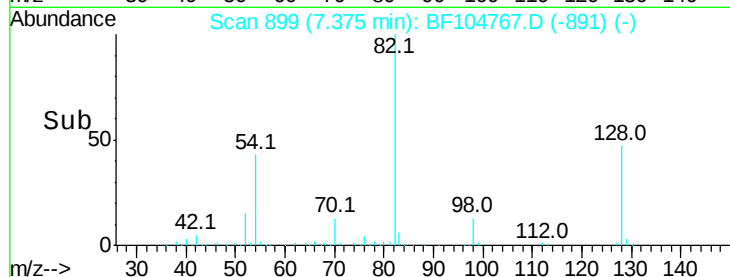
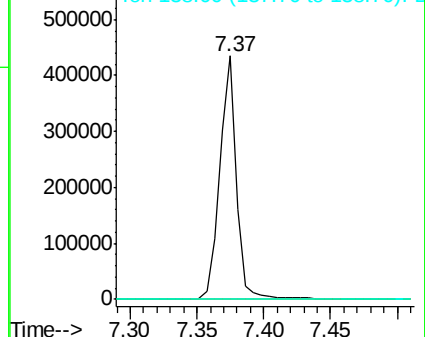
138 0.0 14.9 22.3#



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: BF104767.D

Acq: 24 Apr 2018 20:07

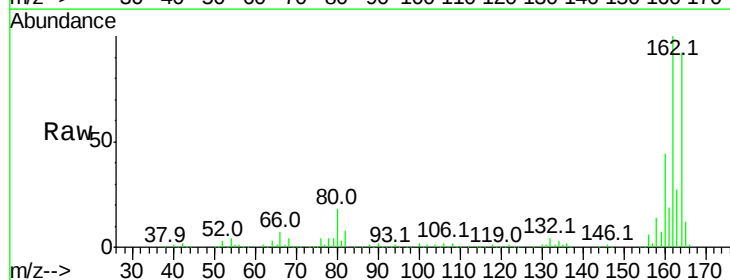
Tgt Ion:164 Resp: 187781

Ion Ratio Lower Upper

164 100

162 108.2 86.1 129.1

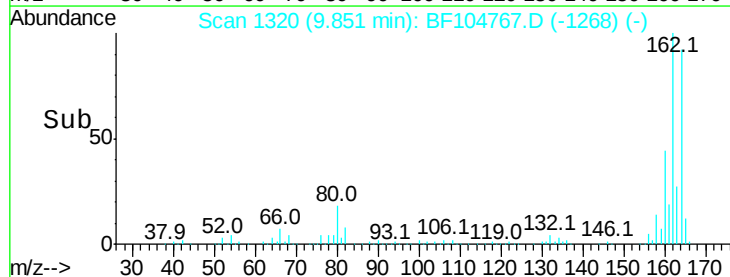
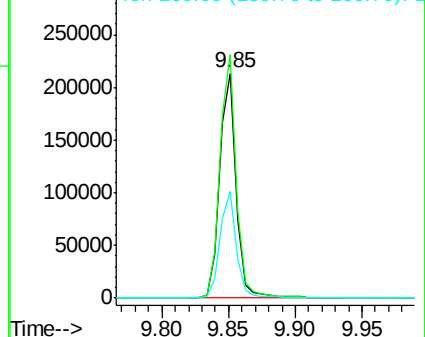
160 47.6 38.3 57.5



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

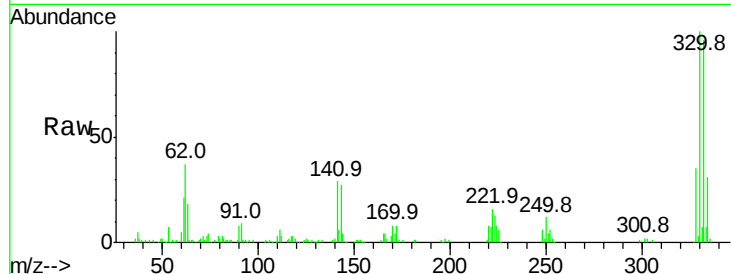




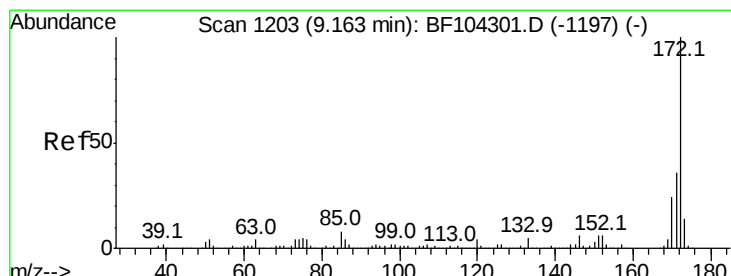
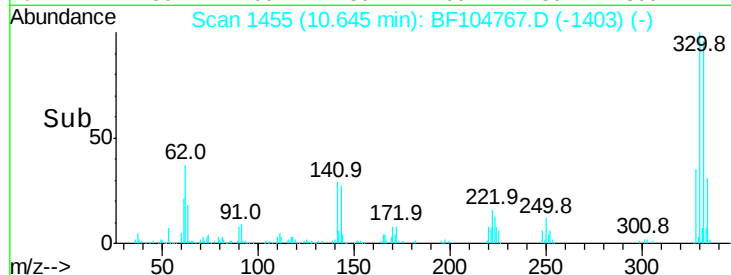
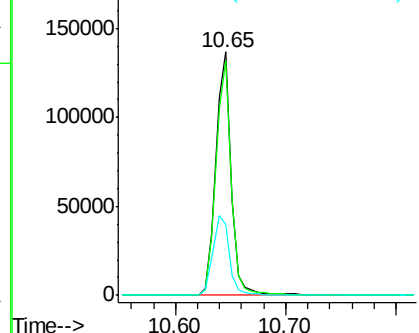
#41
 2,4,6-Tribromophenol
 Concen: 66.595 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	35.3	29.9	44.9

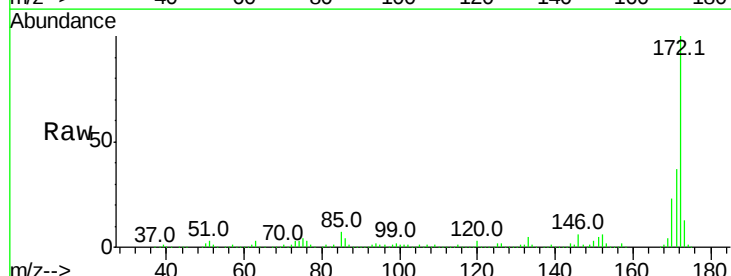


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

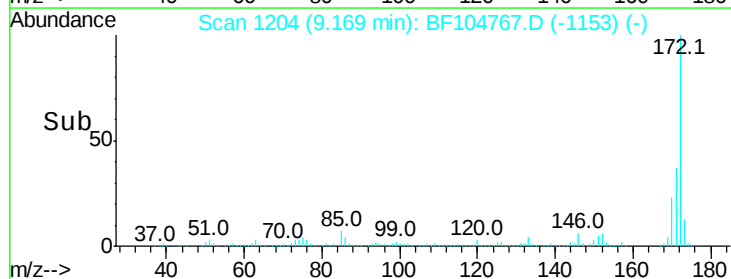
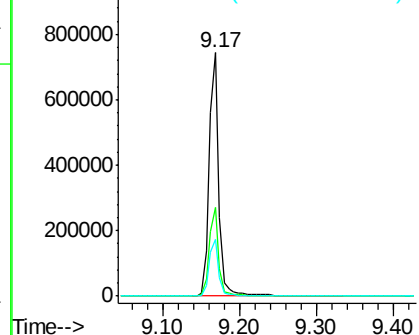


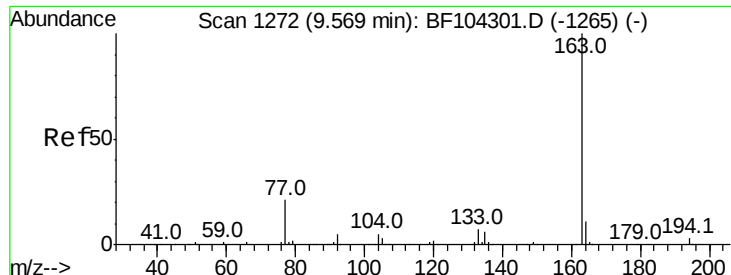
#44
 2-Fluorobiphenyl
 Concen: 54.967 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.5	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

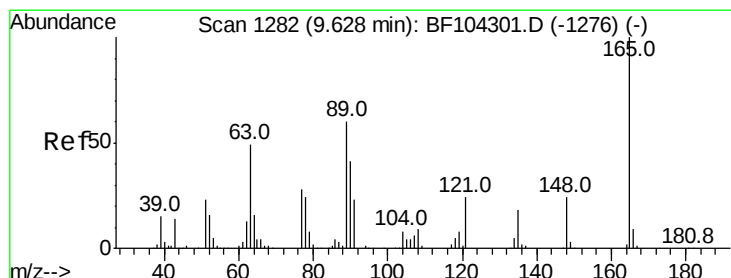
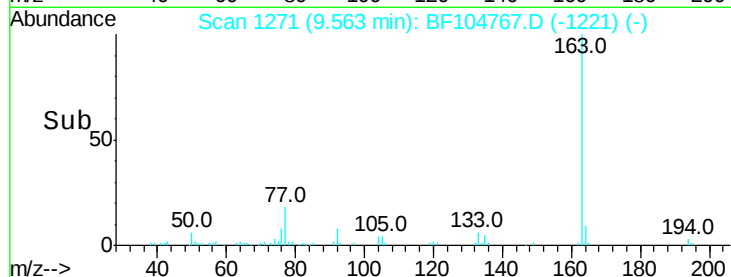
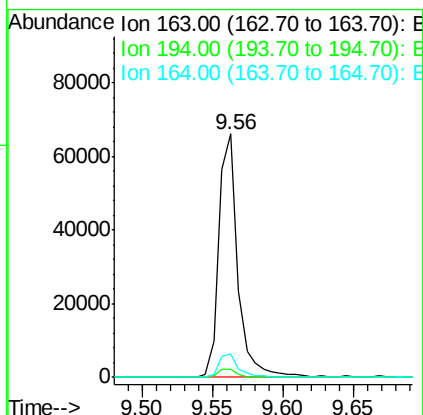
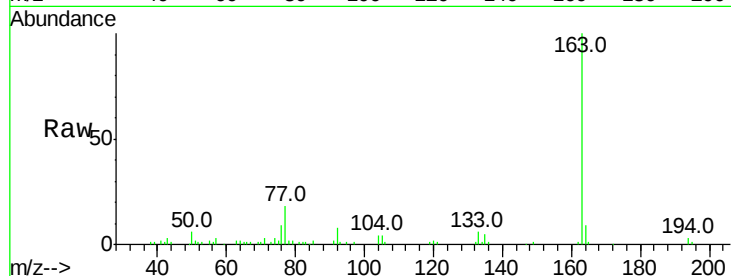




#49
Dimethylphthalate
Concen: 4.180 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

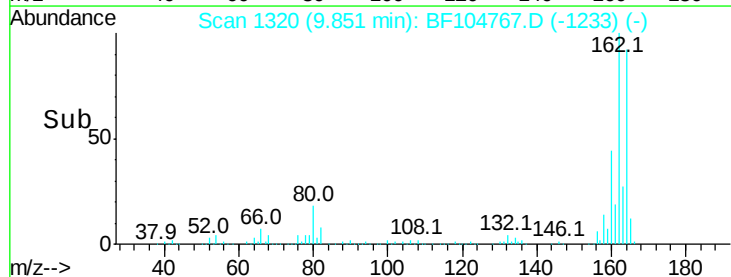
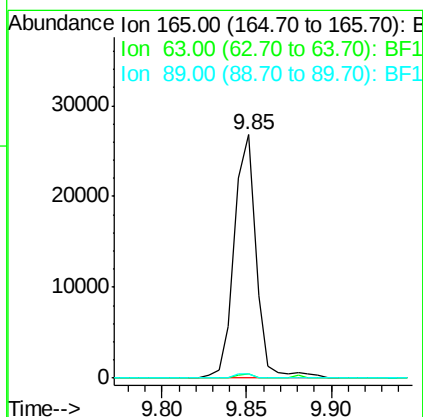
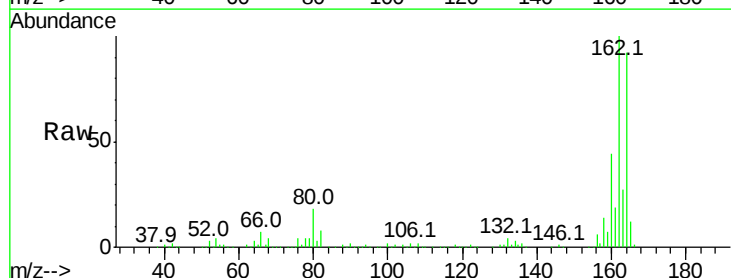
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 61892
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.849 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:165 Resp: 24247
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.9 44.0 66.0#

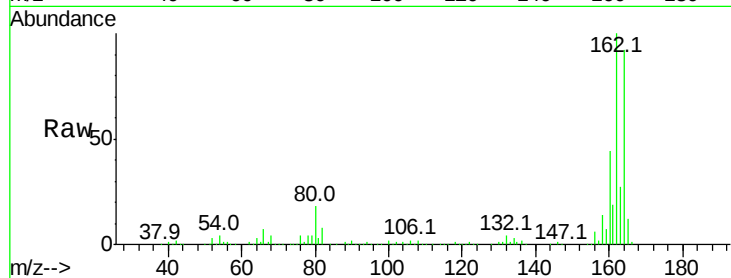




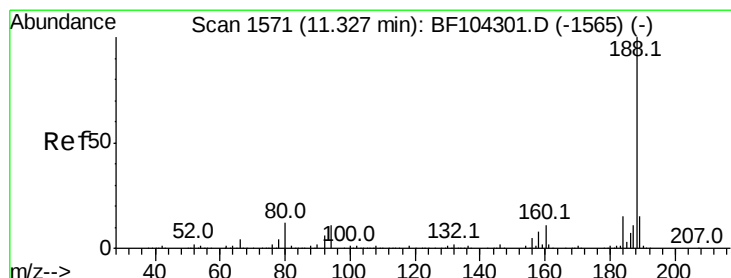
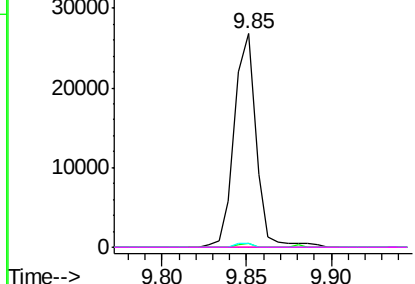
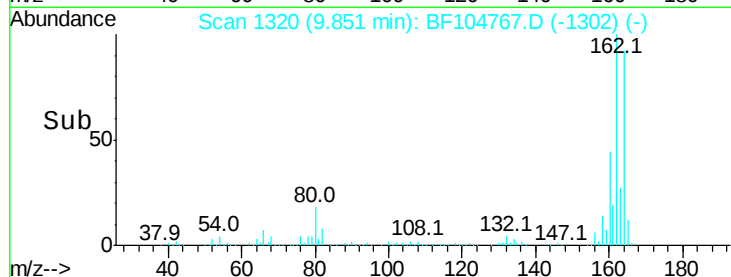
#56
 2,4-Dinitrotoluene
 Concen: 6.746 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24247
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.9 57.8 86.6#
 182 0.0 1.6 2.4#

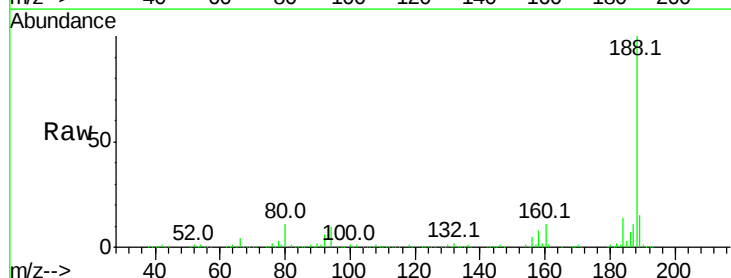


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

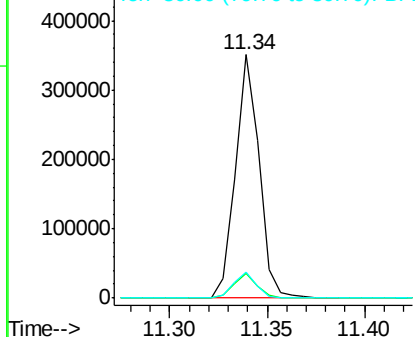
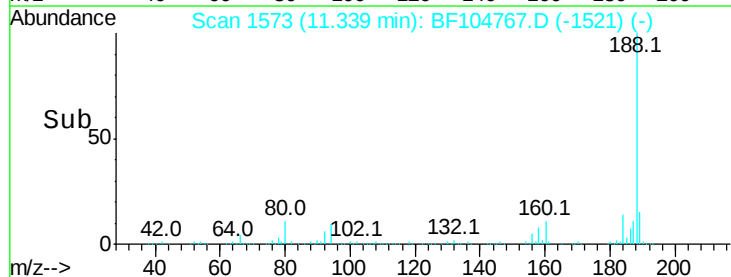


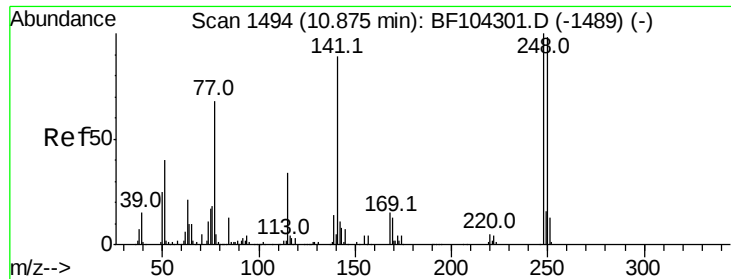
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Tgt Ion:188 Resp: 295727
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.5 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

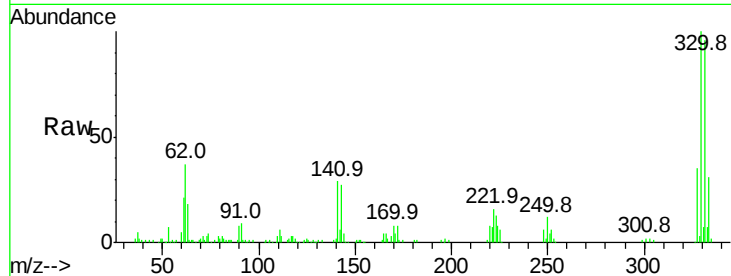




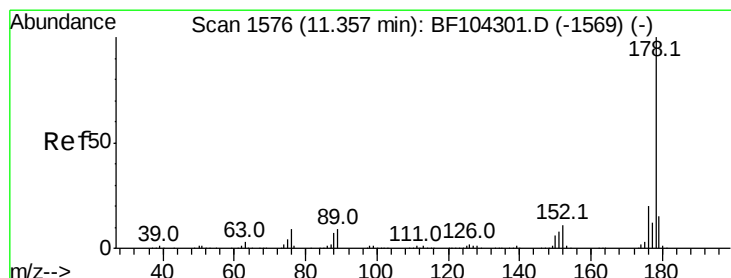
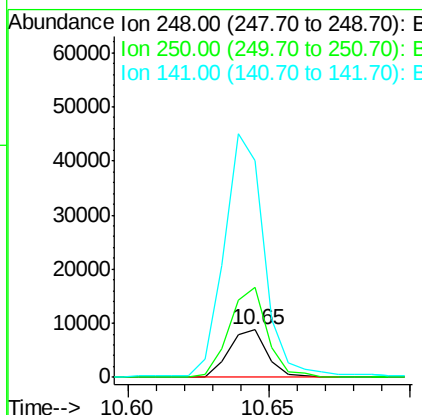
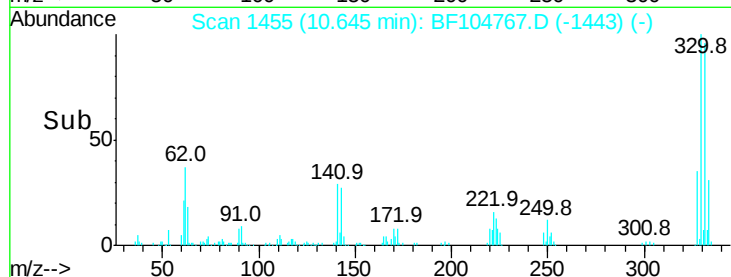
#66
 4-Bromophenyl-phenylether
 Concen: 2.609 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8207
 Ion Ratio Lower Upper
 248 100
 250 188.2 76.9 115.3#
 141 455.0 74.4 111.6#

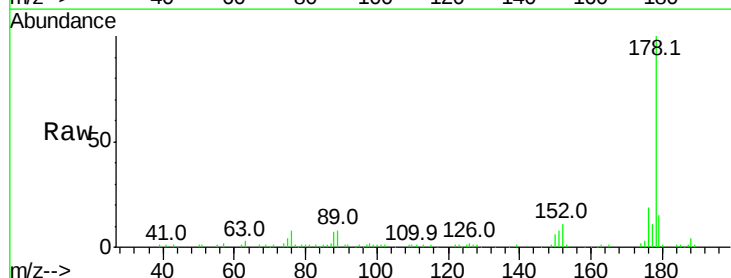


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

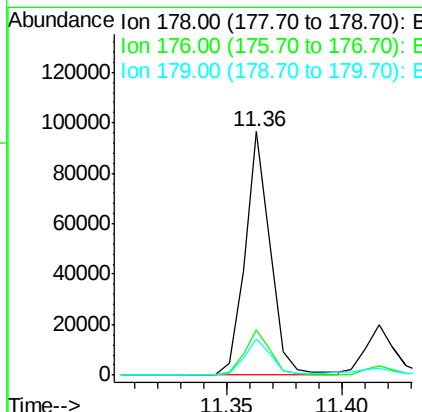
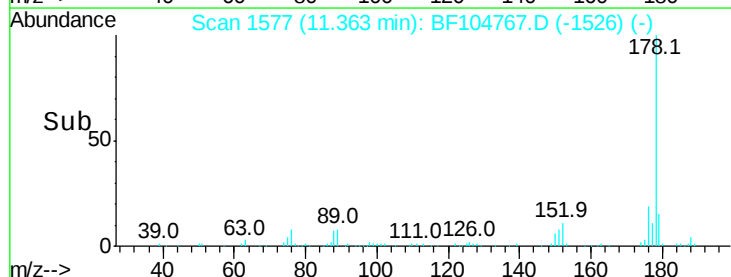


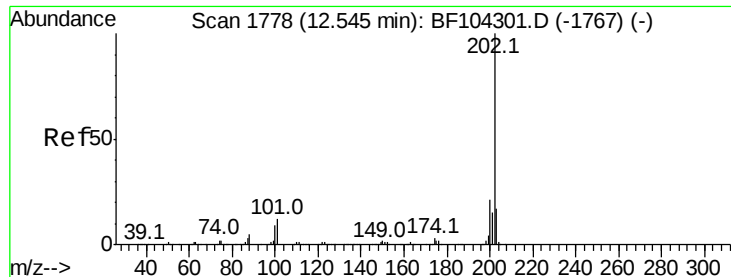
#70
 Phenanthrene
 Concen: 4.460 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Tgt Ion:178 Resp: 73452
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.0 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: 7.431 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

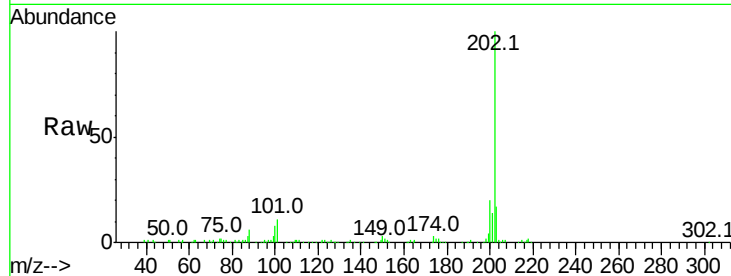
Tot Ion:202 Resp: 127857

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

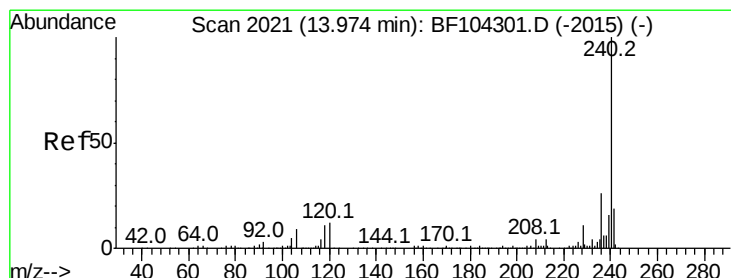
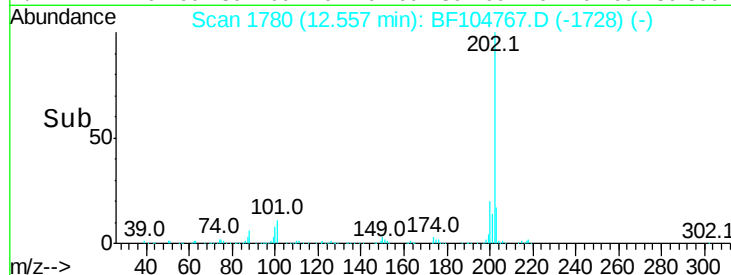
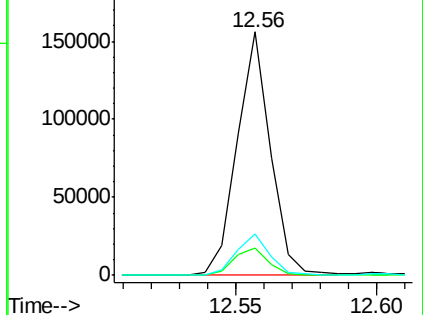
203 16.9 0.0 38.1



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# 2023

Delta R.T. -0.00 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

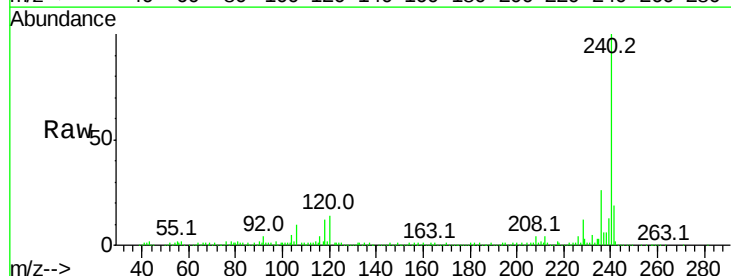
Tgt Ion:240 Resp: 215747

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

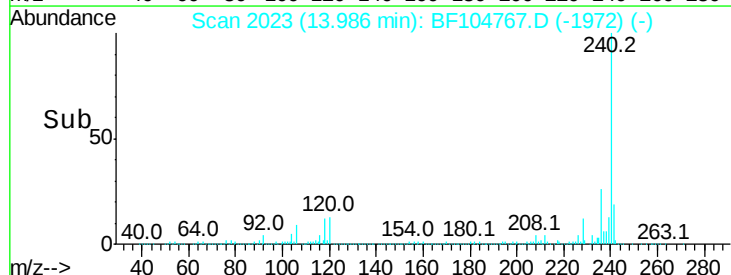
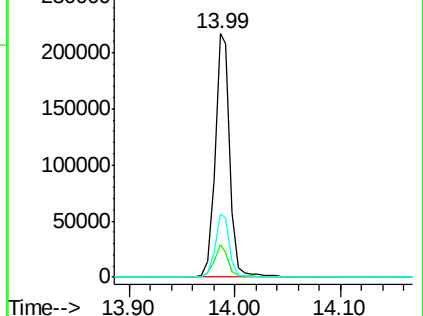
236 25.9 20.7 31.1

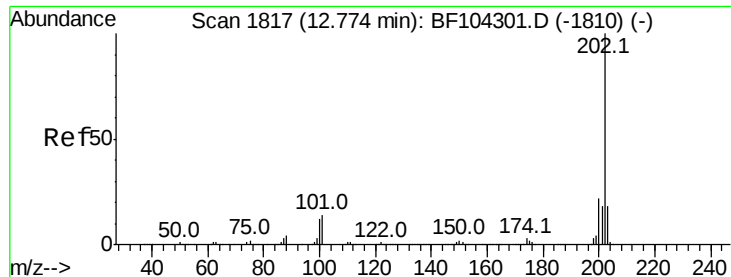


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.900 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

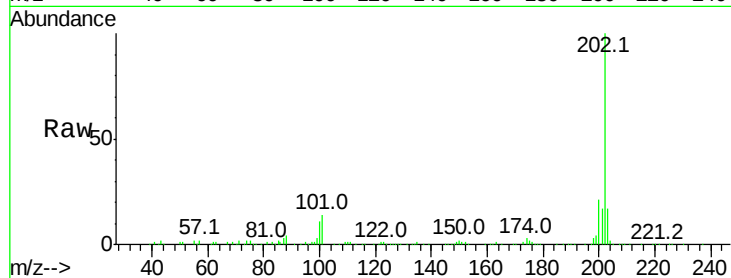
Tot Ion:202 Resp: 126344

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

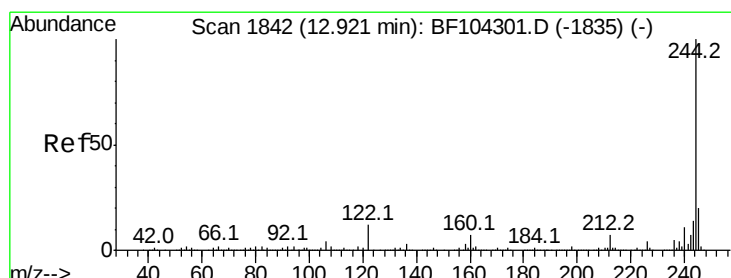
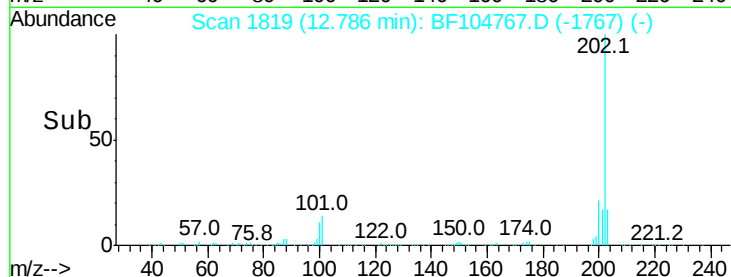
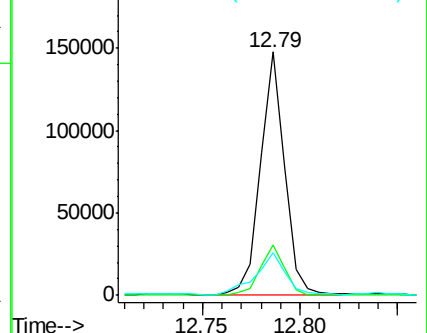
203 17.4 14.3 21.5



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: 49.663 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

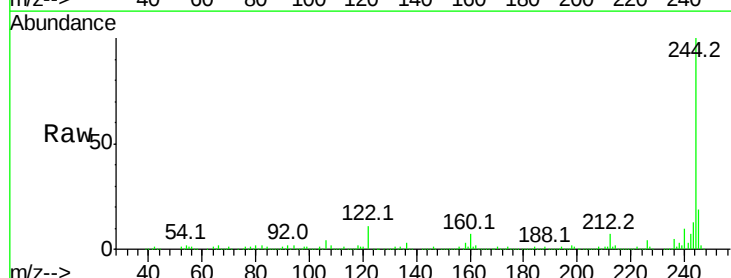
Tgt Ion:244 Resp: 469974

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

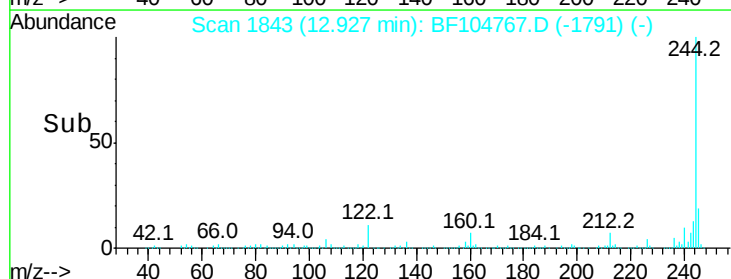
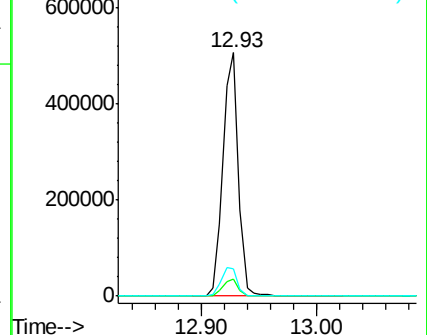
122 11.4 11.0 16.4

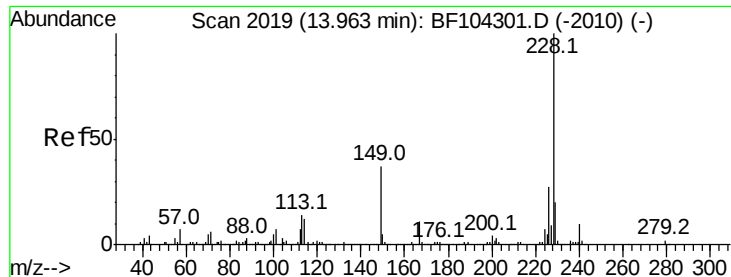


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

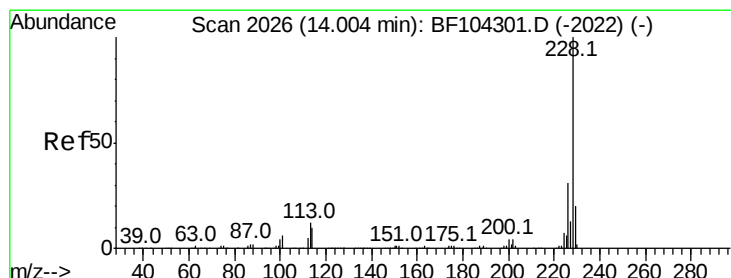
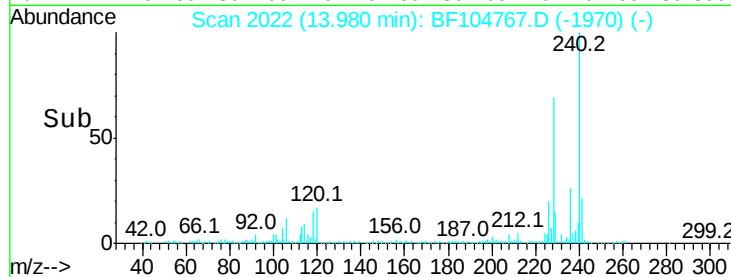
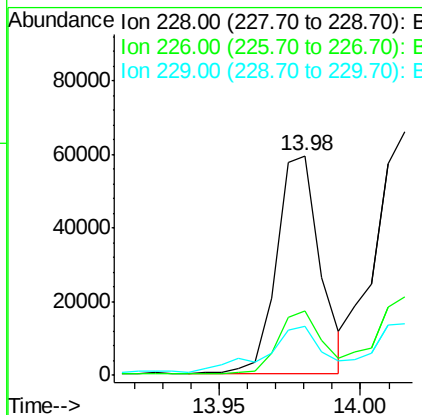
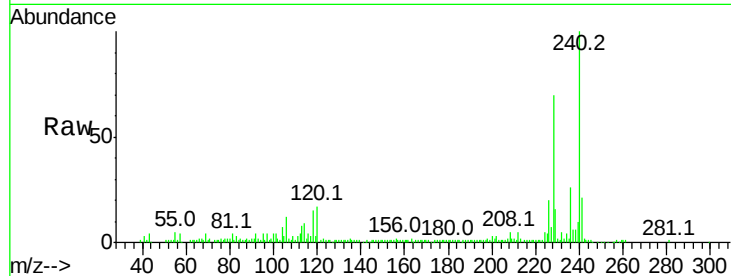




#80
Benzo(a)anthracene
Concen: 4.902 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

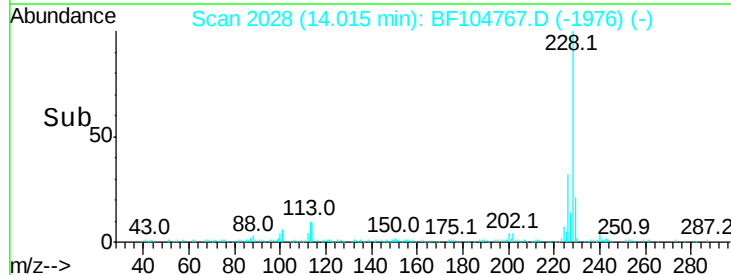
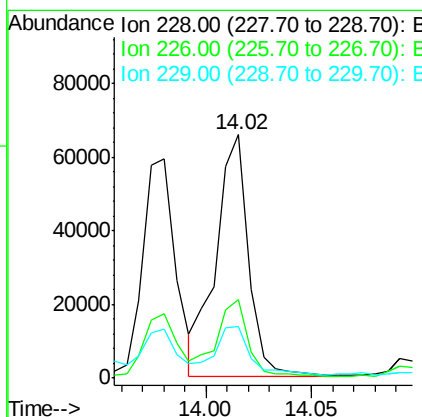
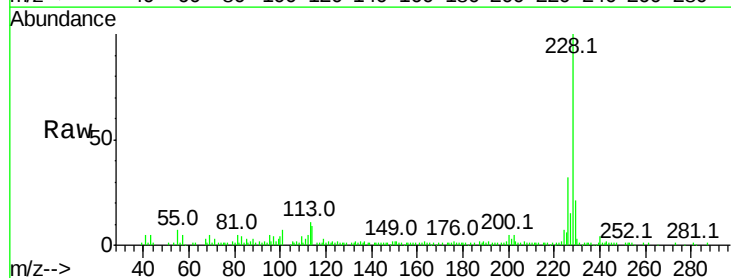
Instrument :
BNA_F
ClientSampleId :

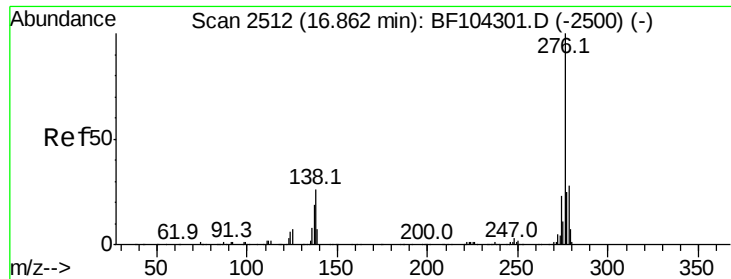
Tot Ion:228 Resp: 63185
Ion Ratio Lower Upper
228 100
226 29.3 22.6 33.8
229 22.4 15.8 23.6



#82
Chrysene
Concen: 5.320 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:228 Resp: 70433
Ion Ratio Lower Upper
228 100
226 32.0 25.0 37.6
229 21.4 16.2 24.4

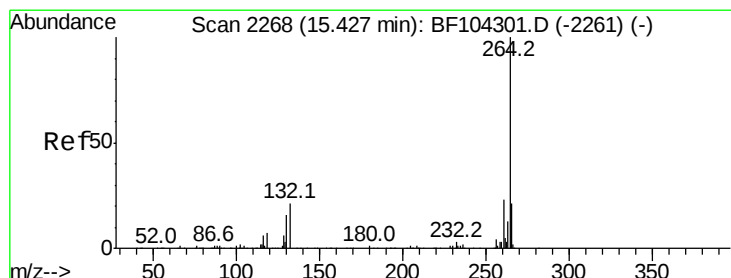
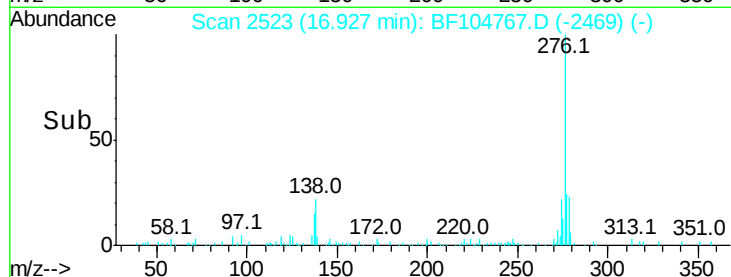
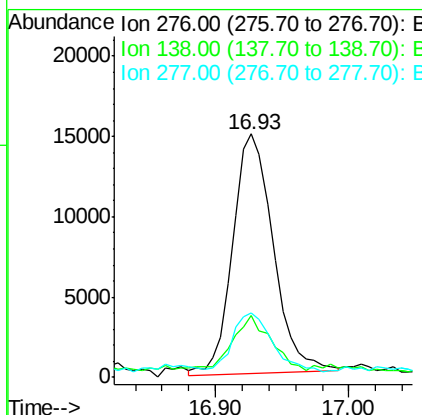
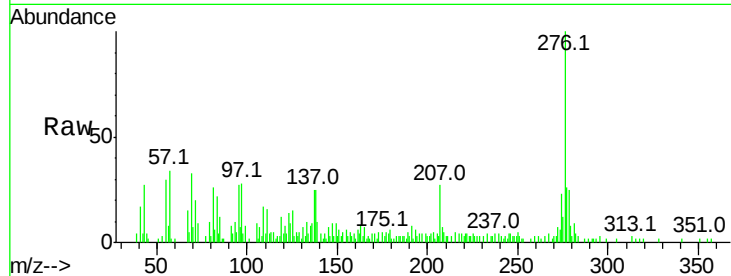




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.801 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.02 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

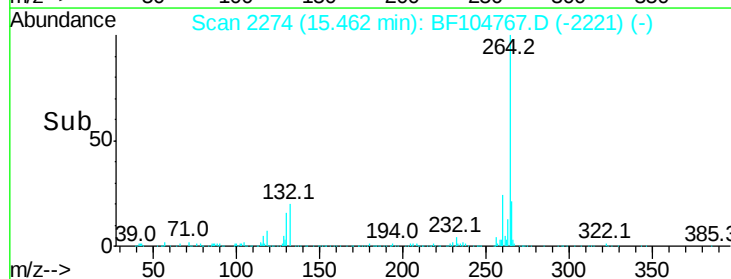
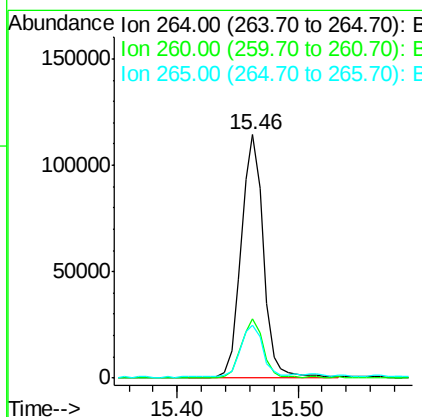
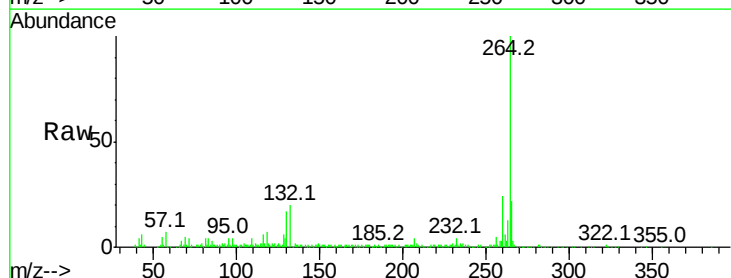
Instrument :
 BNA_F
 ClientSampleId :

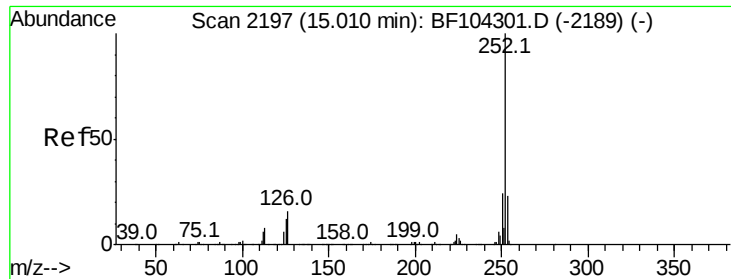
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF104767.D
 Acq: 24 Apr 2018 20:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.938 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

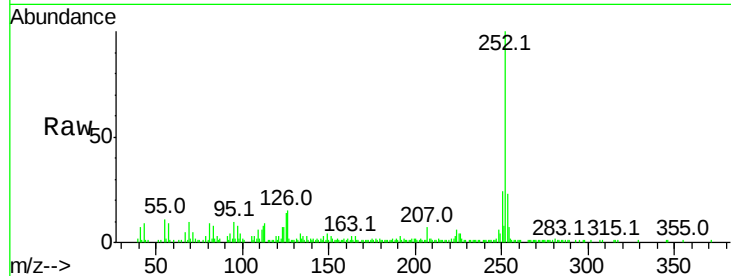
Tot Ion:252 Resp: 74135

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

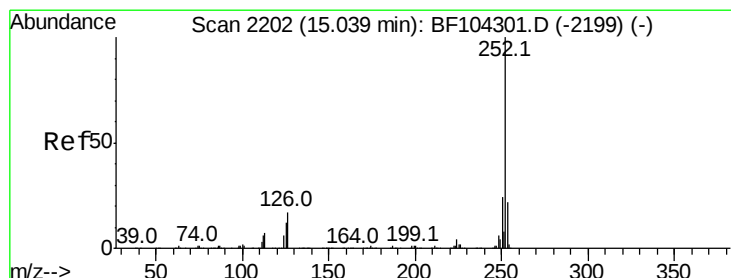
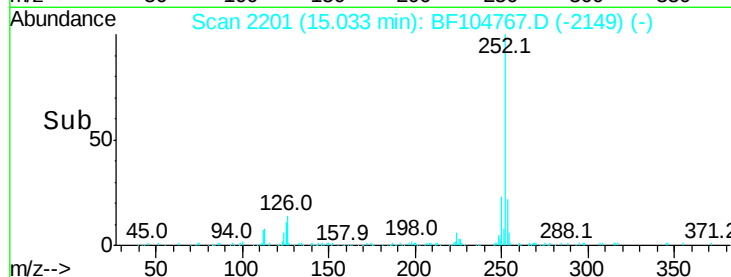
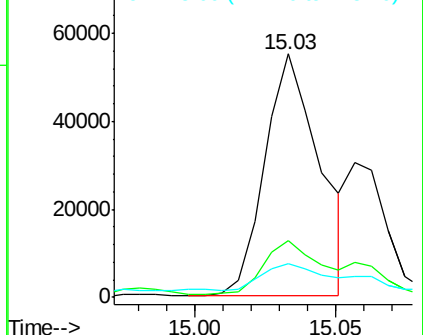
125 13.9 9.0 13.6#



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: 8.408 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

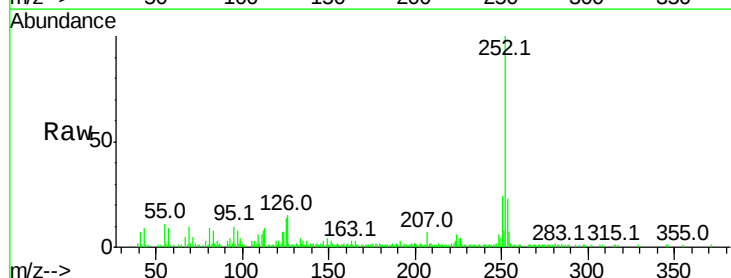
Tgt Ion:252 Resp: 74135

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

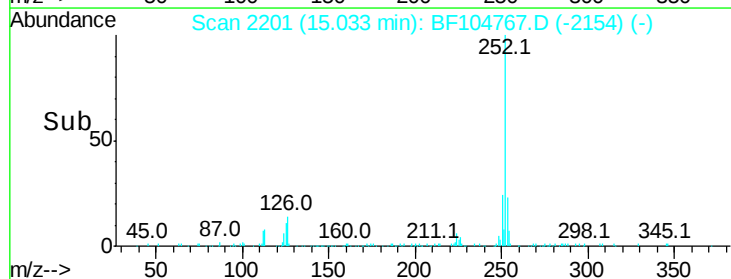
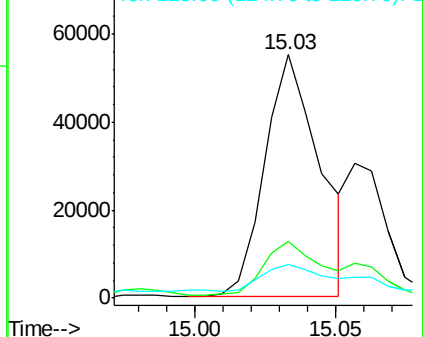
125 13.9 10.2 15.2

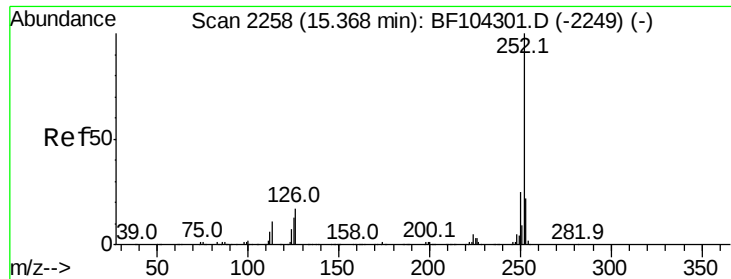


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.872 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

Instrument :

BNA_F

ClientSampleId :

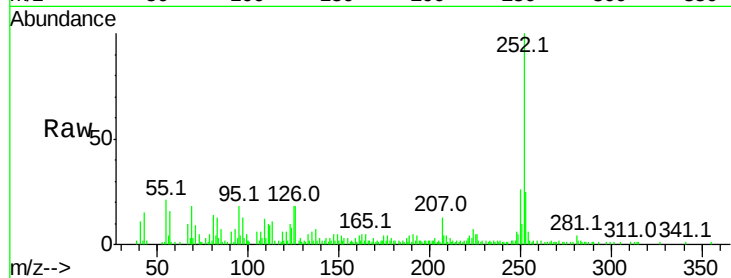
Tot Ion:252 Resp: 40714

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

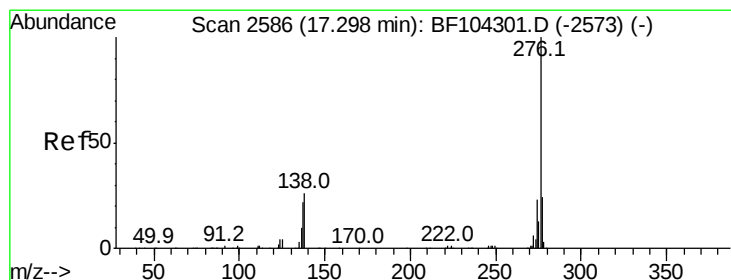
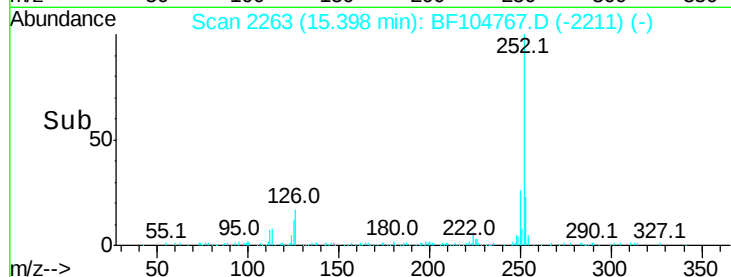
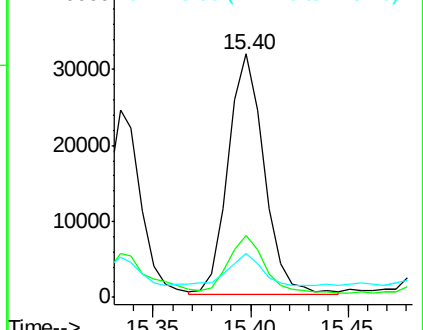
125 17.8 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.989 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104767.D

Acq: 24 Apr 2018 20:07

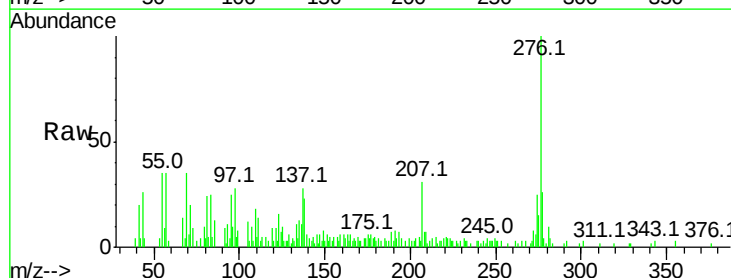
Tgt Ion:276 Resp: 33175

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 23.5 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

