

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104380.D
 Acq On : 9 Apr 2018 18:49
 Operator : JU/SJ
 Sample : J2157-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:17:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	164438	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	625950	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	242557	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	358653	20.00	ng	0.00
75) Chrysene-d12	13.97	240	349678	20.00	ng	0.00
86) Perylene-d12	15.44	264	278072	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	352844	32.81	ng	0.00
7) Phenol-d6	6.42	99	433517	32.81	ng	0.00
23) Nitrobenzene-d5	7.36	82	248531	25.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	73786	29.33	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	461571	30.06	ng	0.00
78) Terphenyl-d14	12.92	244	345422	22.52	ng	0.00

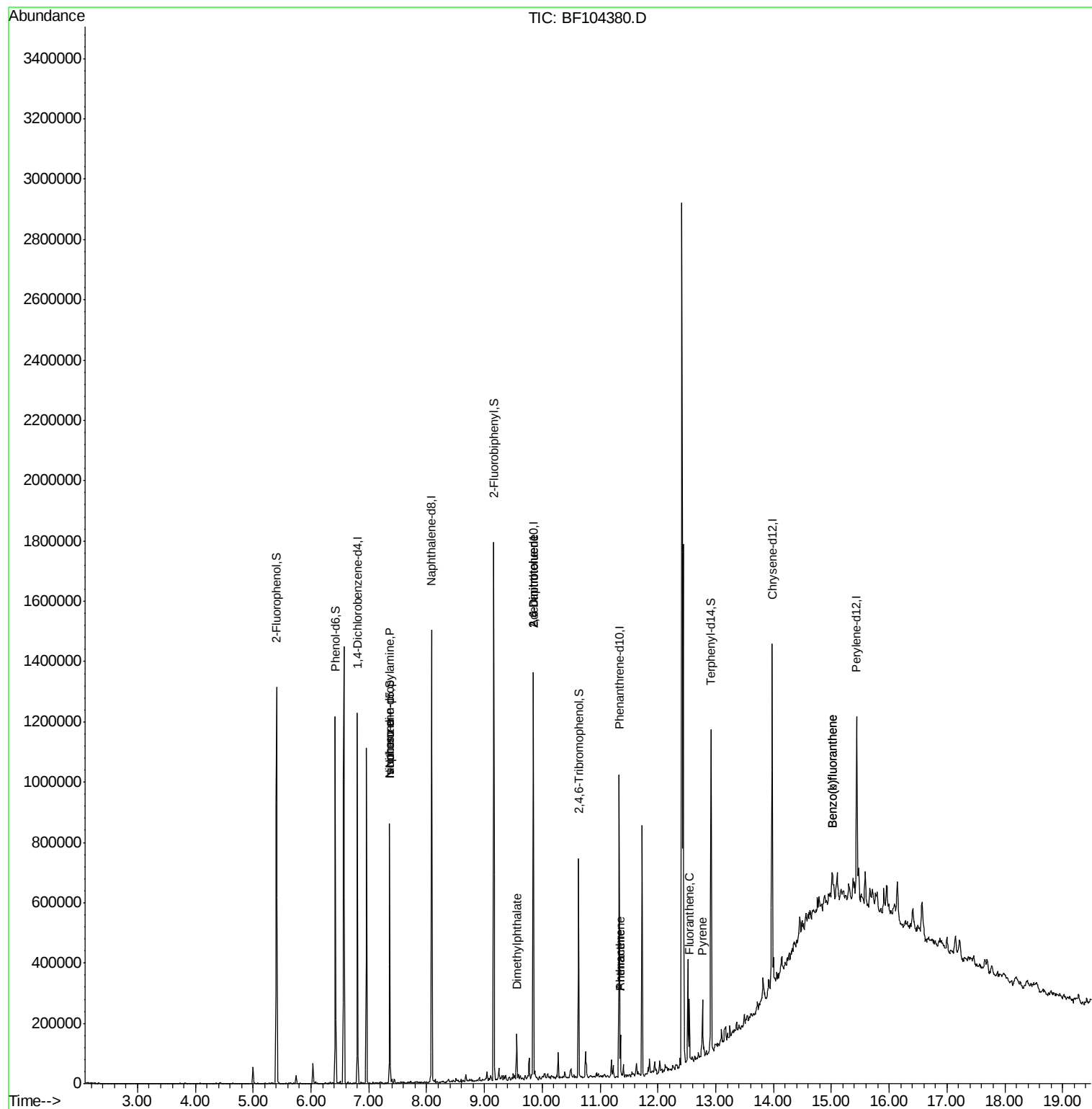
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	7800	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.36	70	30989	3.589 ng	#	75
25) Isophorone	7.36	82	248527	12.260 ng	#	64
49) Dimethylphthalate	9.56	163	43994	2.300 ng		100
50) 2,6-Dinitrotoluene	9.85	165	31718	8.962 ng	#	25
56) 2,4-Dinitrotoluene	9.85	165	31718	6.832 ng	#	23
70) Phenanthrene	11.35	178	46940	2.350 ng		98
71) Anthracene	11.35	178	46940	2.312 ng		99
74) Fluoranthene	12.54	202	77842	3.730 ng		99
76) Benzidine	12.64	184	256	Below Cal	#	1
77) Pyrene	12.77	202	72420	2.794 ng		97
87) Benzo(b)fluoranthene	15.02	252	50919	2.899 ng	#	72
88) Benzo(k)fluoranthene	15.02	252	50919	3.071 ng	#	75

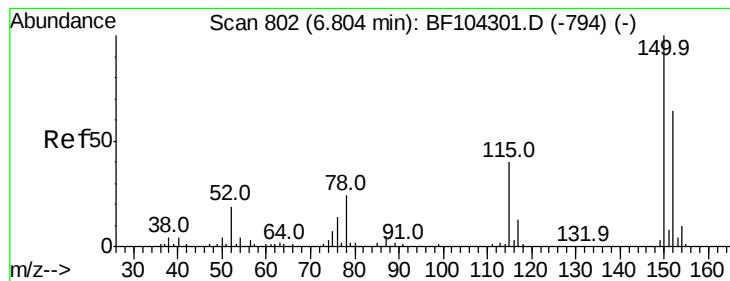
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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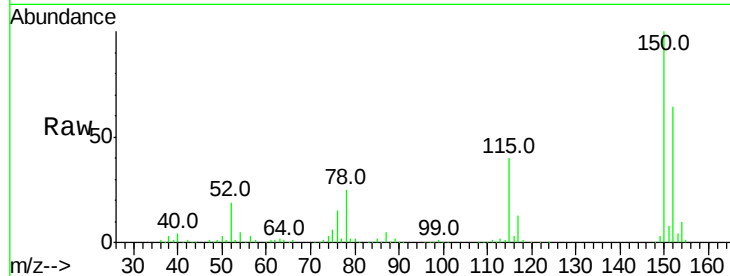


#1

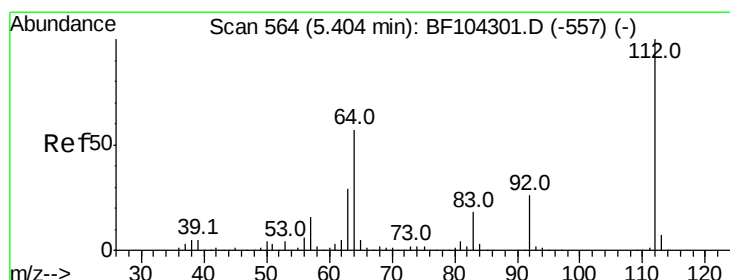
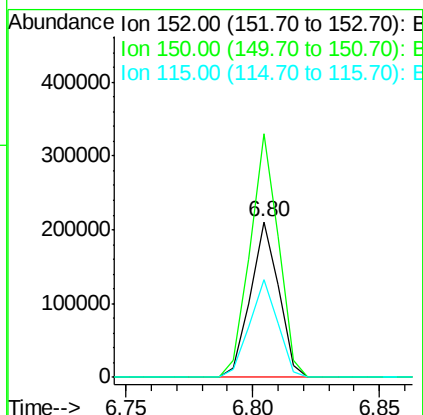
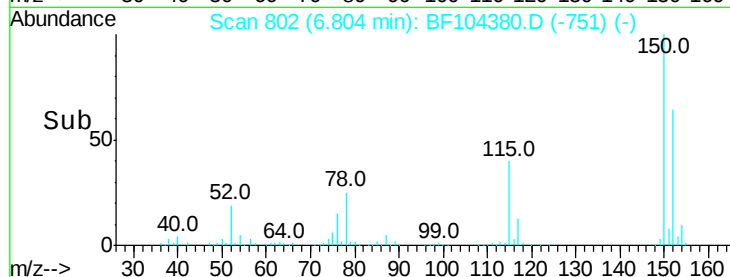
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164438
Ion Ratio Lower Upper
152 100
150 156.6 124.6 186.8
115 62.9 50.1 75.1



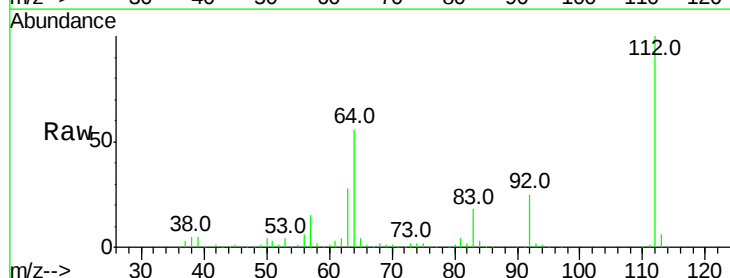
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



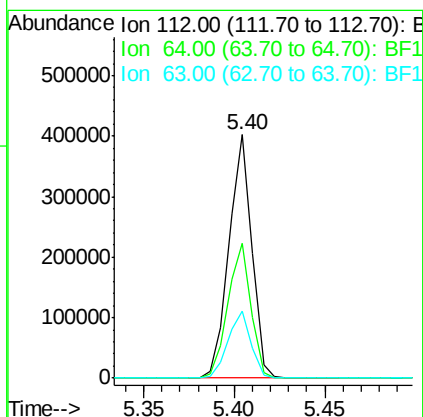
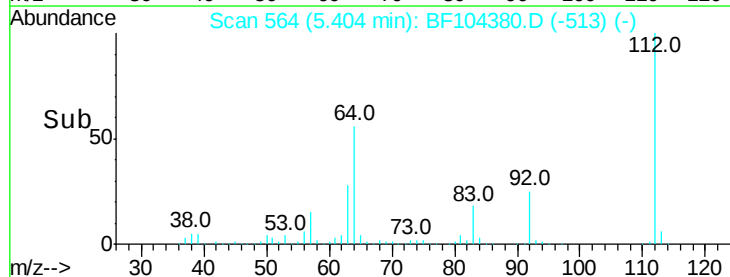
#5

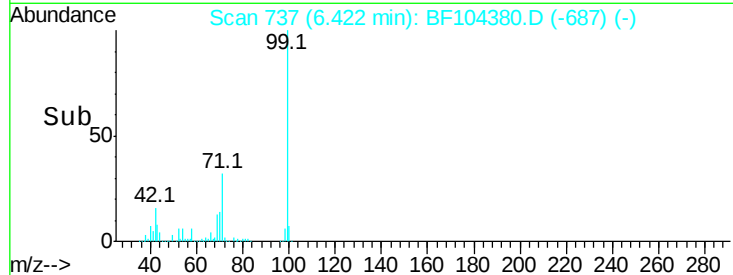
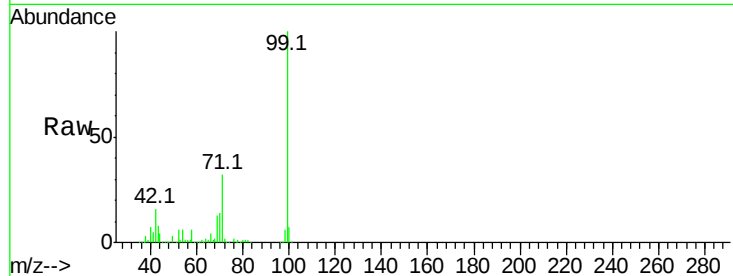
2-Fluorophenol
Concen: 32.810 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:112 Resp: 352844
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.7 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: 32.809 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :

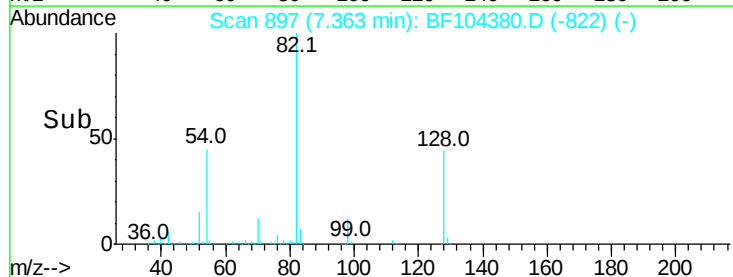
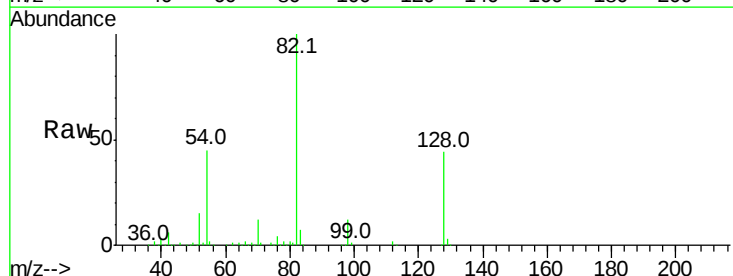
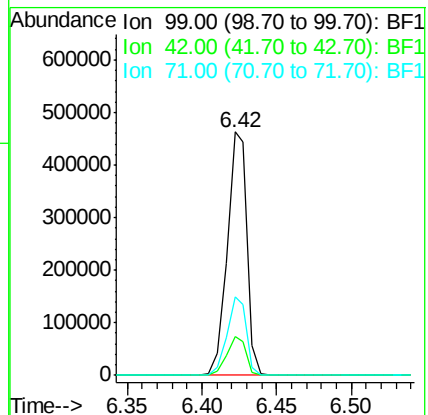
Tot Ion: 99 Resp: 433517

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.589 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Tgt Ion: 70 Resp: 30989

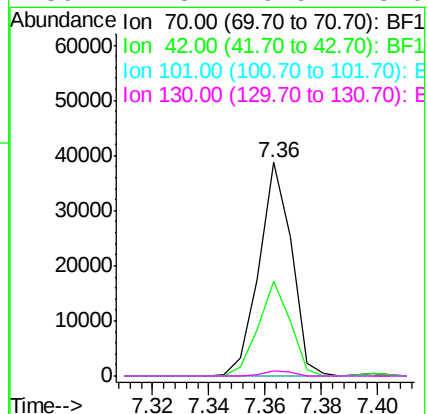
Ion Ratio Lower Upper

70 100

42 44.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 625950

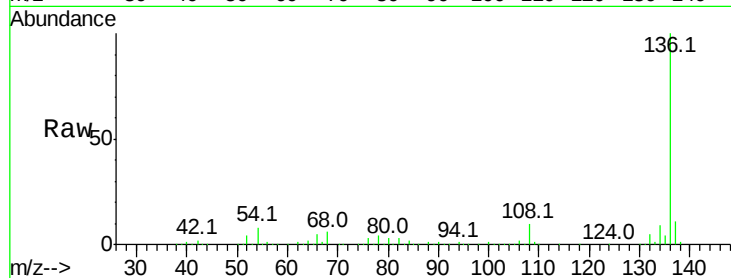
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 6.4 5.0 7.4

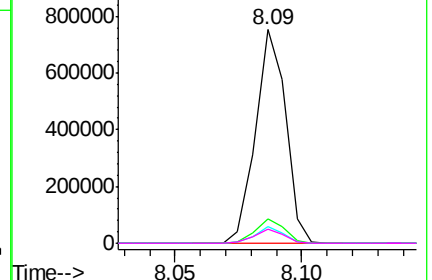
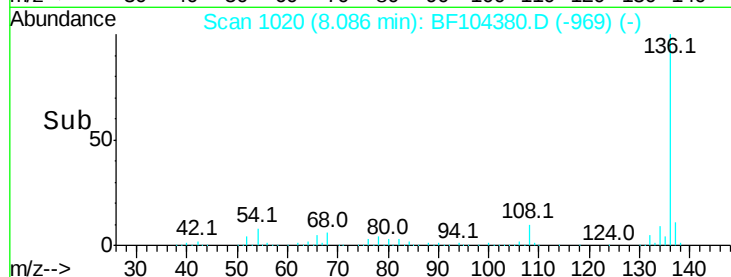


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.926 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

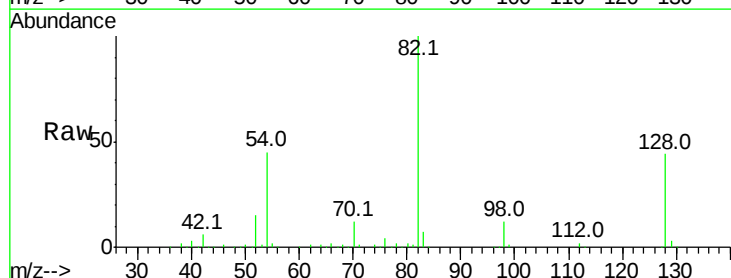
Tgt Ion: 82 Resp: 248531

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

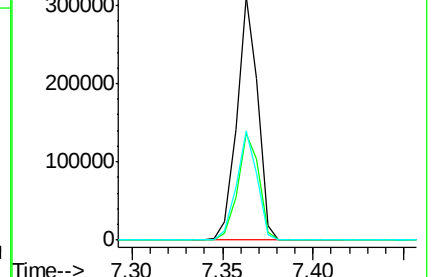
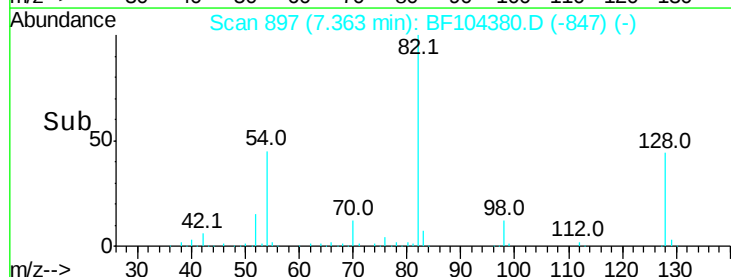
54 44.9 41.4 62.2

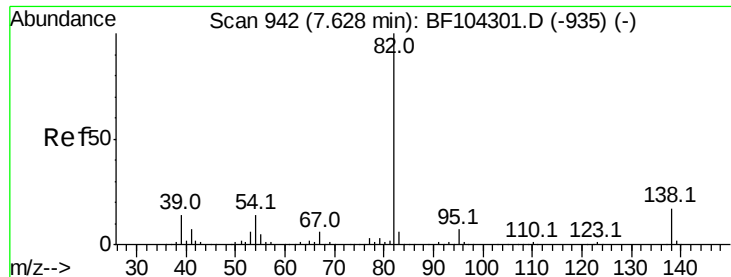


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.260 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :

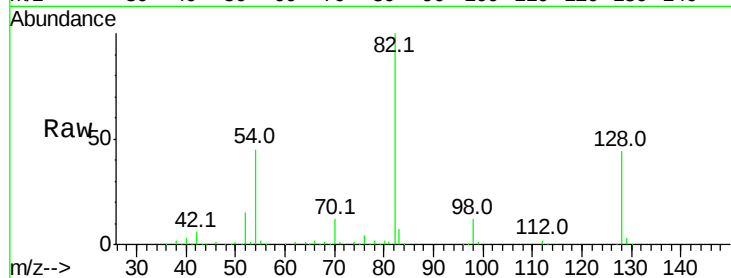
Tot Ion: 82 Resp: 248527

Ion Ratio Lower Upper

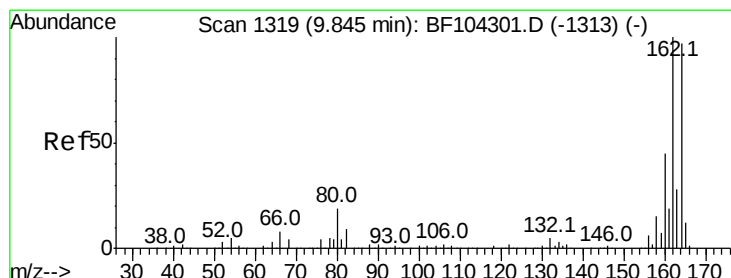
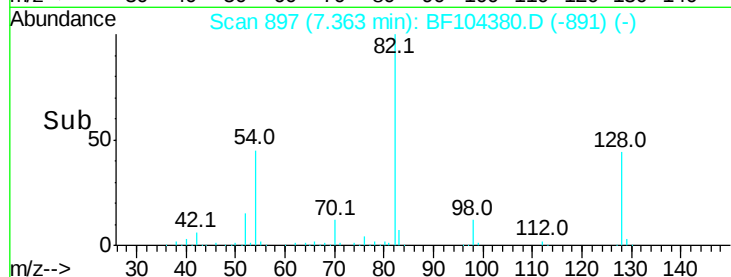
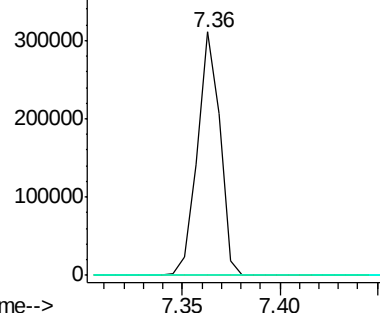
82 100

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. 0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

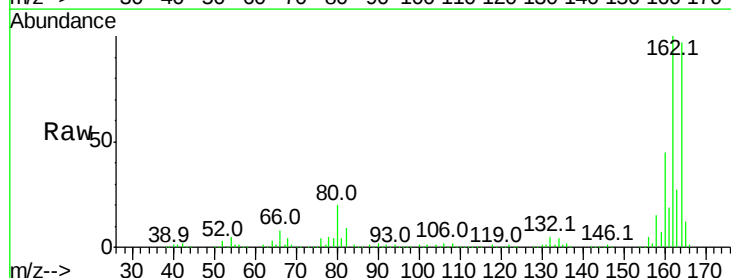
Tgt Ion:164 Resp: 242557

Ion Ratio Lower Upper

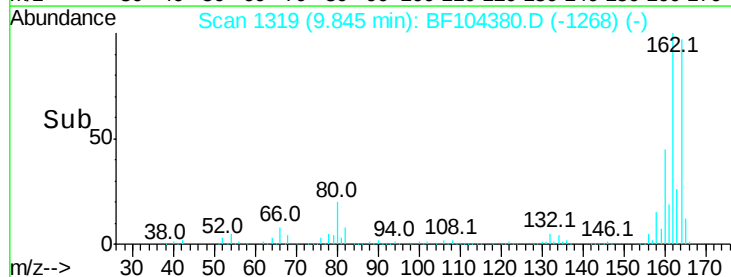
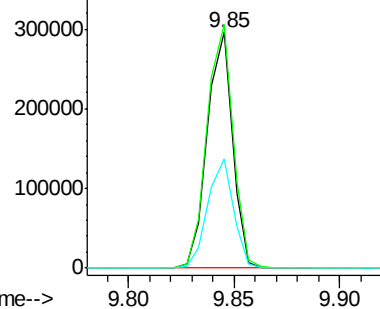
164 100

162 103.5 86.1 129.1

160 46.4 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

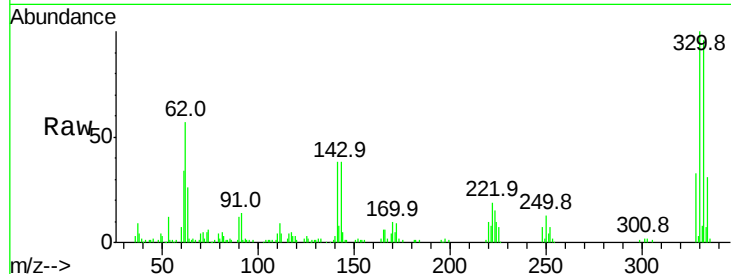




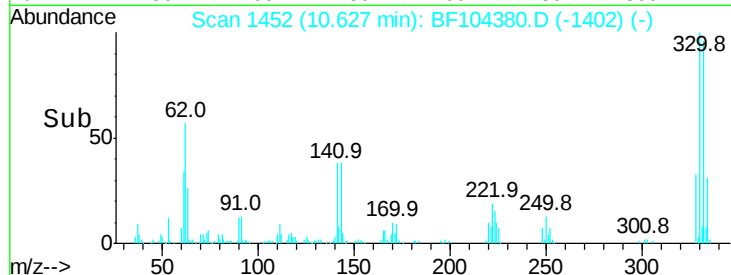
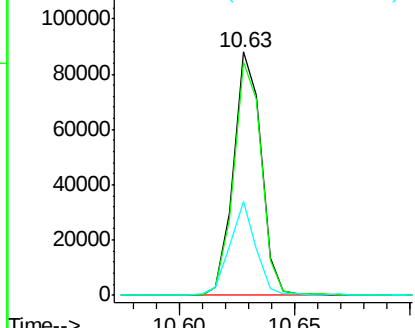
#41
 2,4,6-Tribromophenol
 Concen: 29.325 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104380.D
 Acq: 9 Apr 2018 18:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 73786
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 36.1 29.9 44.9

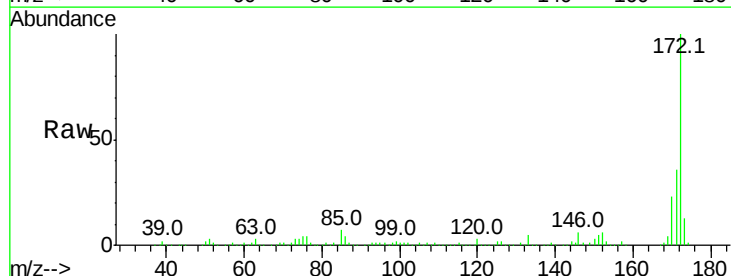


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

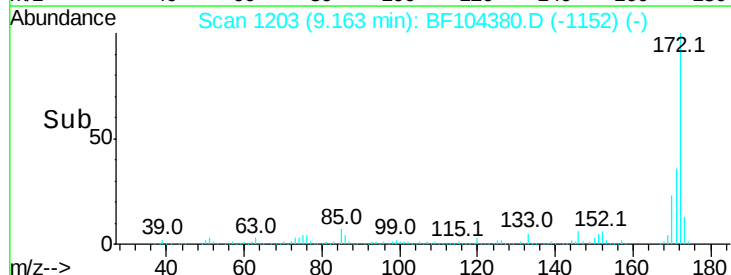
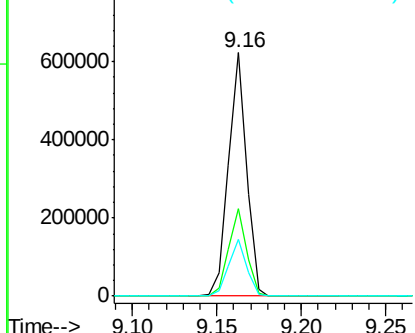


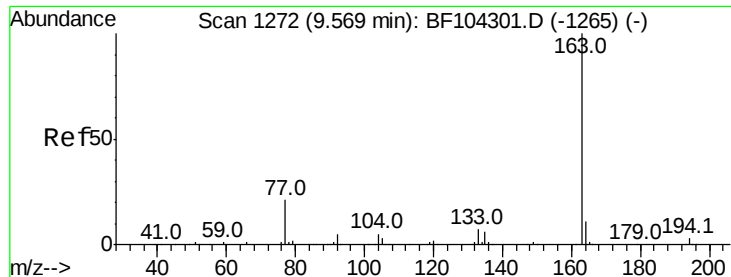
#44
 2-Fluorobiphenyl
 Concen: 30.062 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104380.D
 Acq: 9 Apr 2018 18:49

Tgt Ion:172 Resp: 461571
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.3 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: 2.300 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :

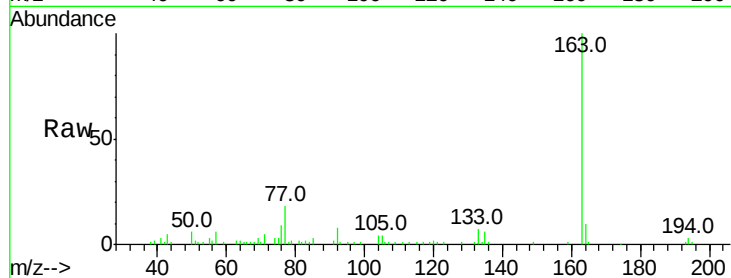
Tot Ion:163 Resp: 43994

Ion Ratio Lower Upper

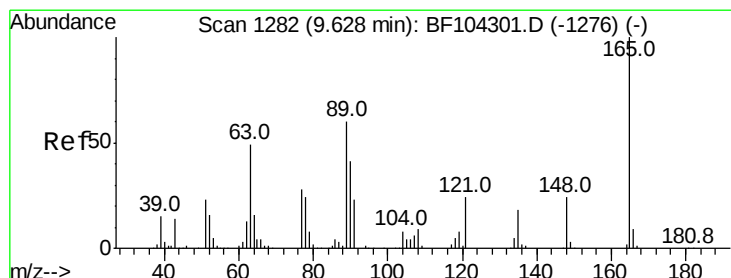
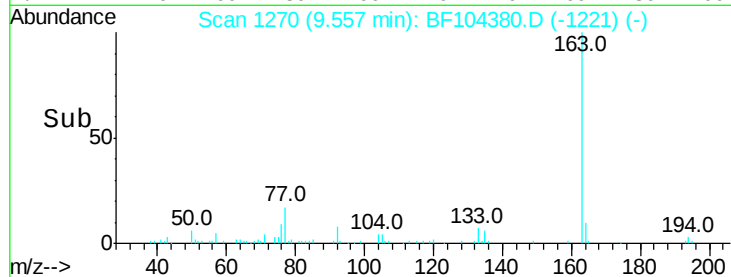
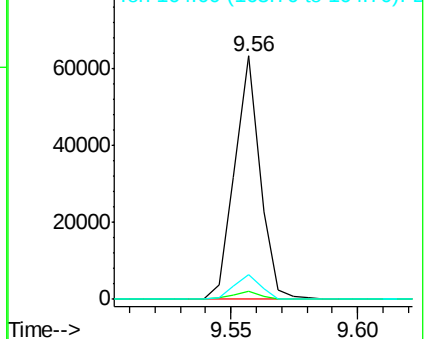
163 100

194 3.1 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: 8.962 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.22 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

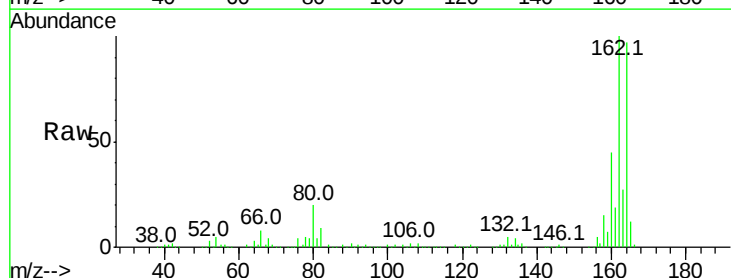
Tgt Ion:165 Resp: 31718

Ion Ratio Lower Upper

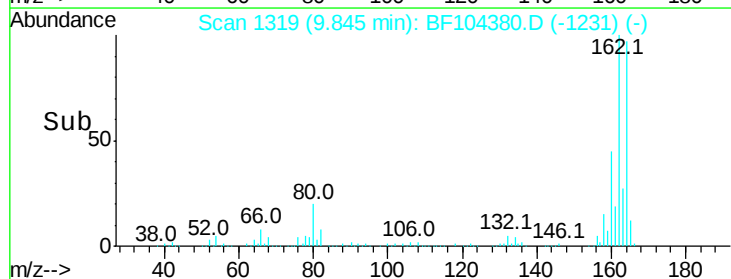
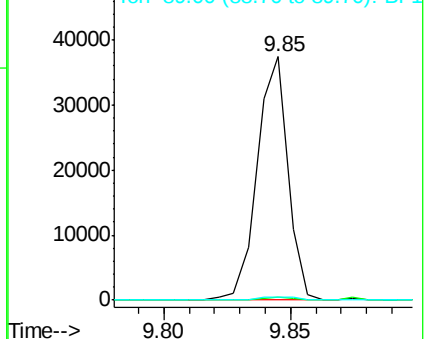
165 100

63 1.3 44.7 67.1#

89 1.4 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

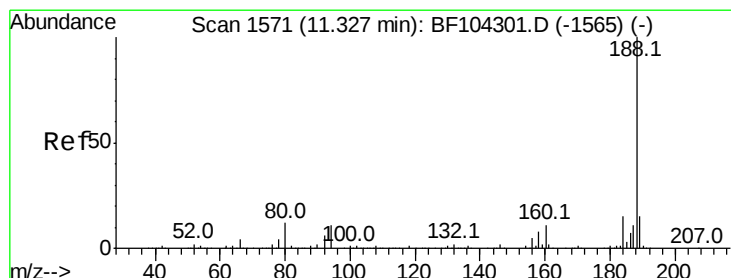
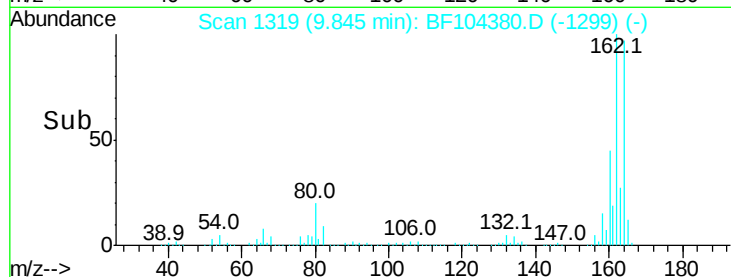
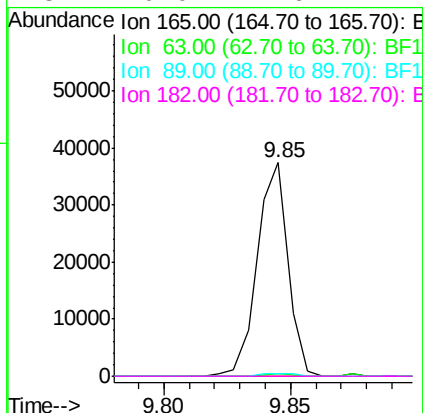
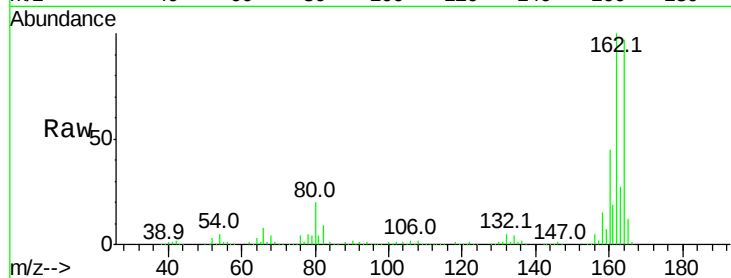




#56
 2,4-Dinitrotoluene
 Concen: 6.832 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104380.D
 Acq: 9 Apr 2018 18:49

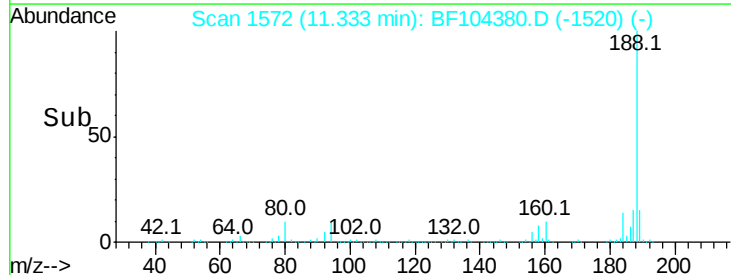
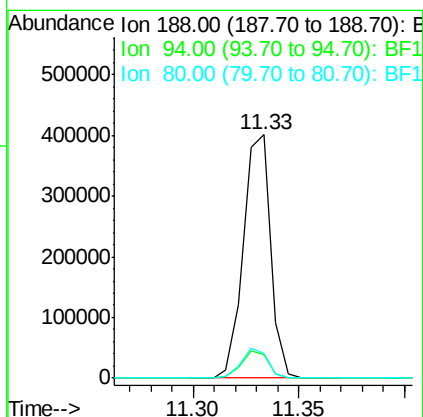
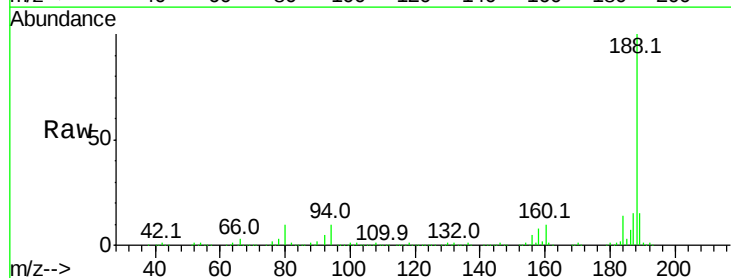
Instrument :
 BNA_F
 ClientSampled :

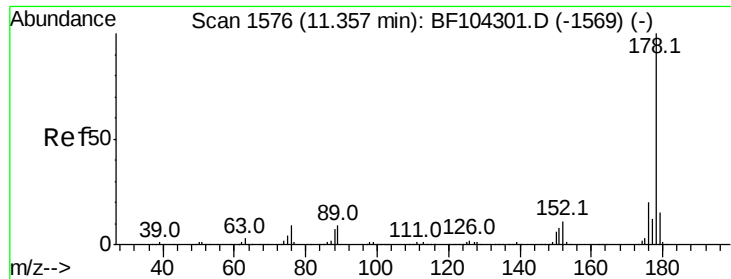
Tot Ion:165	Resp:	31718
Ion Ratio	Lower	Upper
165	100	
63	1.3	36.4 54.6#
89	1.4	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104380.D
 Acq: 9 Apr 2018 18:49

Tgt Ion:188	Resp:	358653
Ion Ratio	Lower	Upper
188	100	
94	9.8	8.5 12.7
80	10.3	9.2 13.8

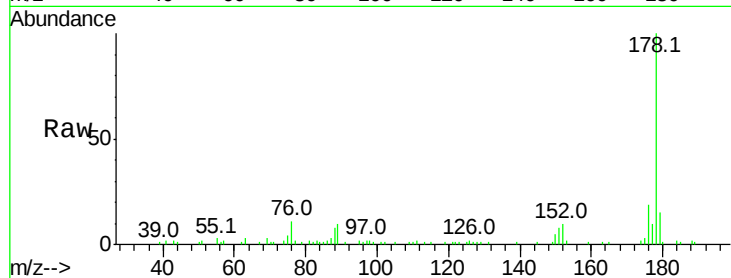




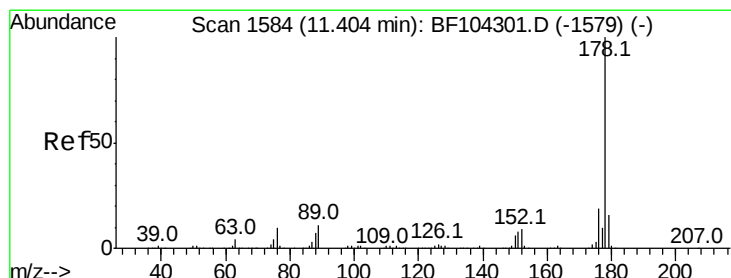
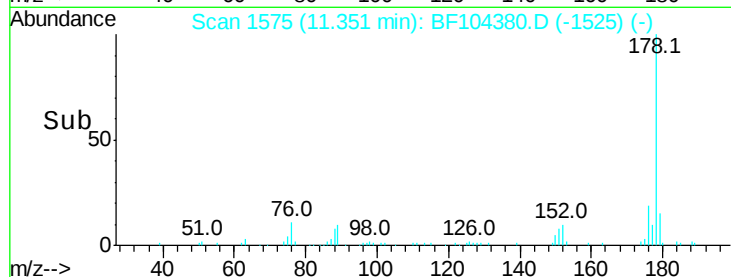
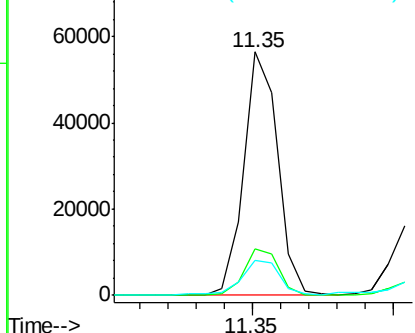
#70
Phenanthrene
Concen: 2.350 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 46940
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.6 13.0 19.6

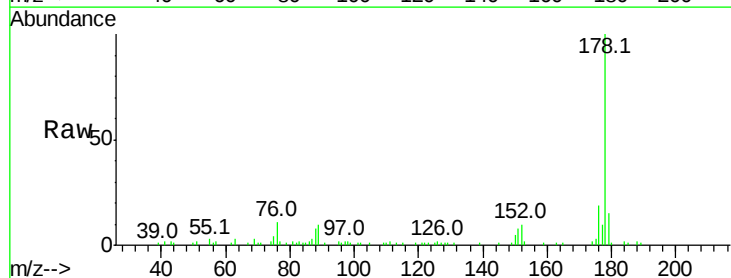


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

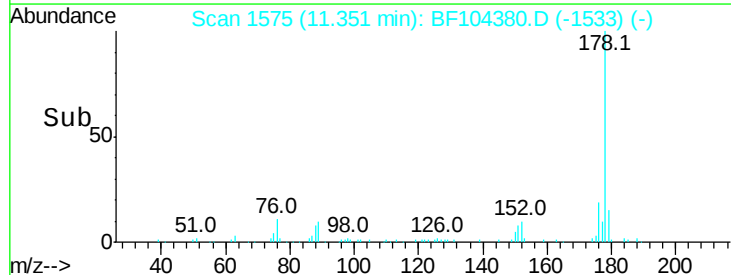
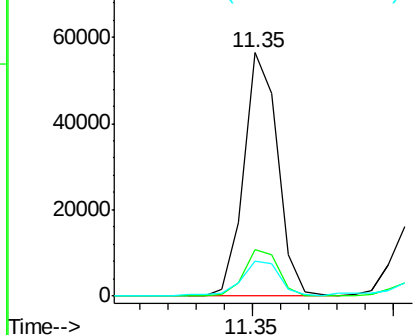


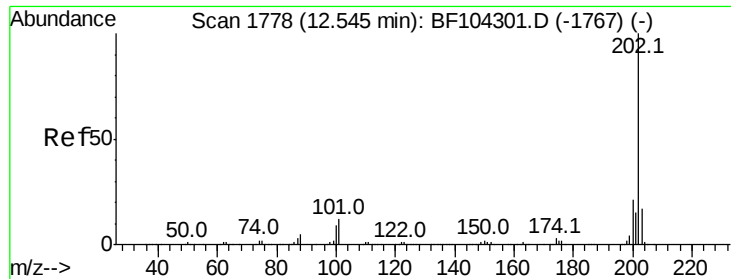
#71
Anthracene
Concen: 2.312 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF104380.D
Acq: 9 Apr 2018 18:49

Tgt Ion:178 Resp: 46940
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 14.6 12.6 19.0



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: 3.730 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :

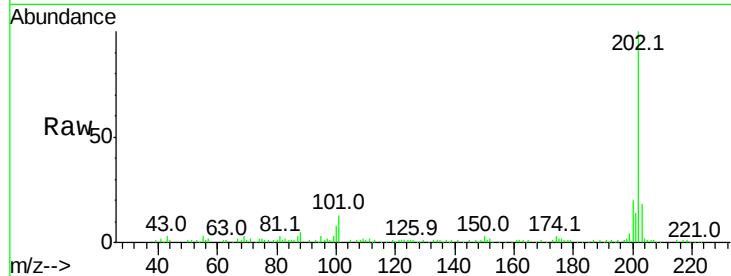
Tot Ion:202 Resp: 77842

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

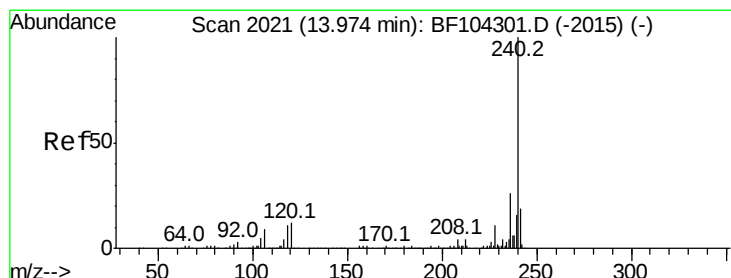
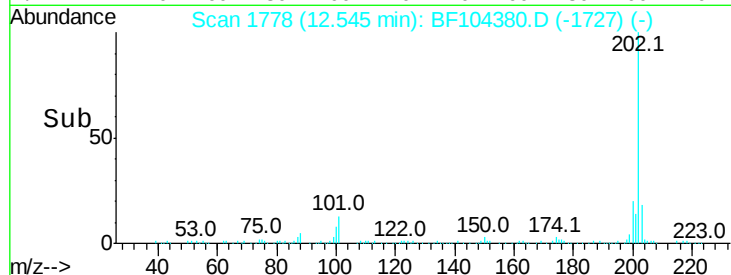
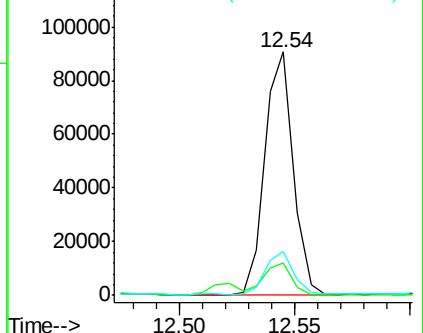
203 18.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

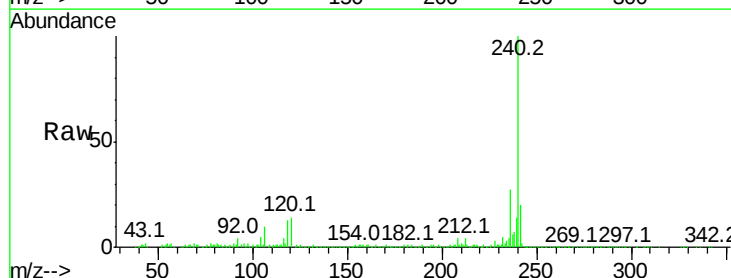
Tgt Ion:240 Resp: 349678

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

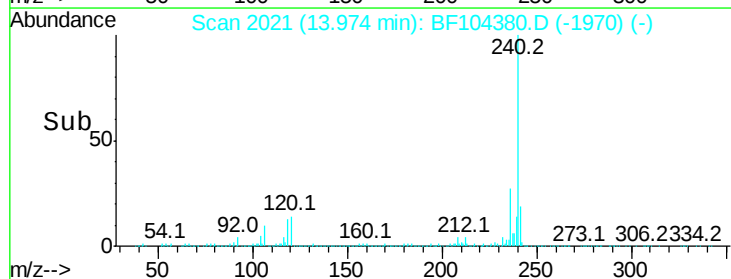
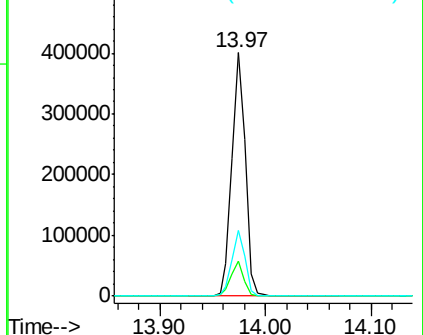
236 26.9 20.7 31.1

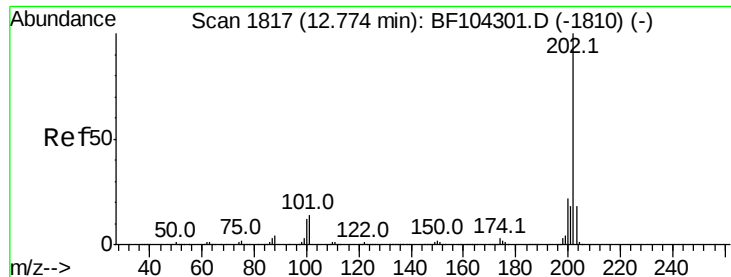


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.794 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

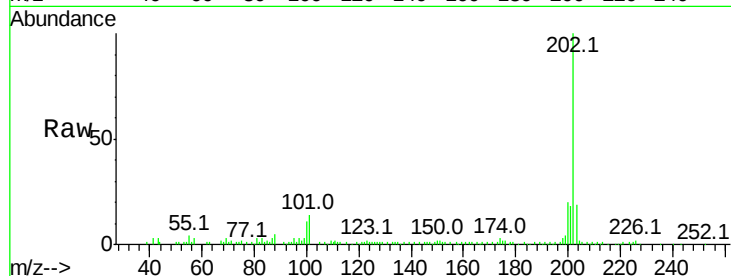
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 72420

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	18.7	14.3	21.5

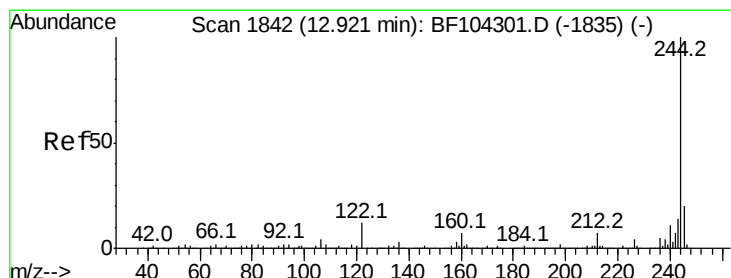
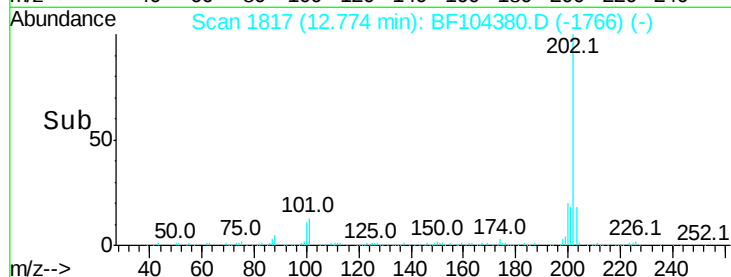


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#78

Terphenyl-d14

Concen: 22.521 ng

RT: 12.92 min Scan# 1842

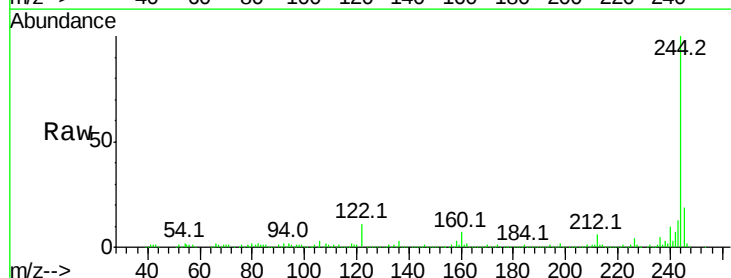
Delta R.T. 0.00 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Tgt Ion:244 Resp: 345422

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	11.0	11.0	16.4

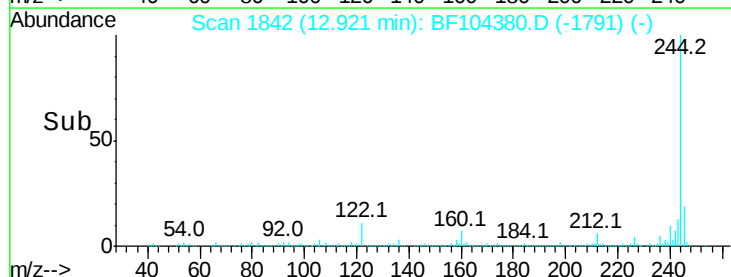


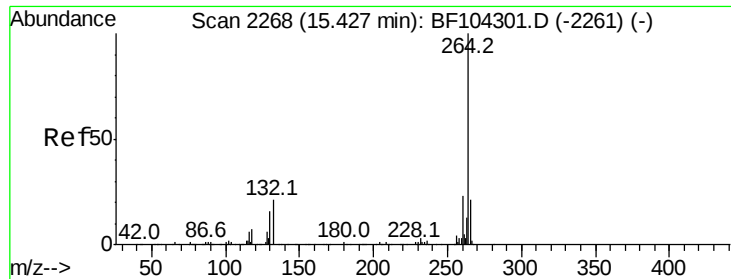
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :

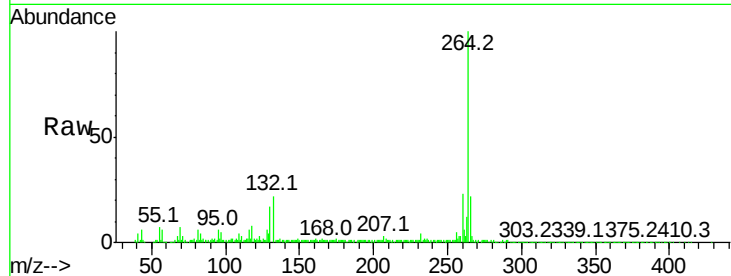
Tot Ion:264 Resp: 278072

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

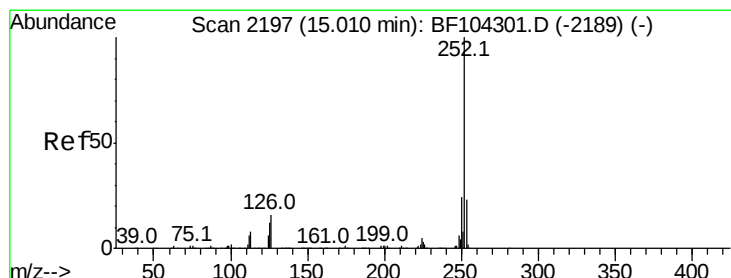
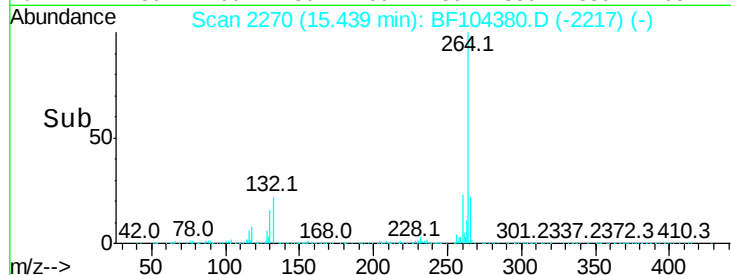
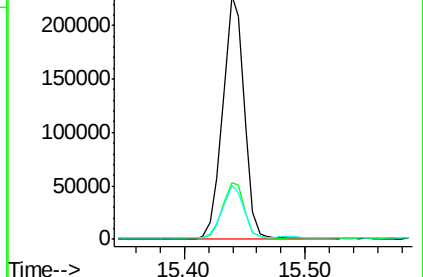
265 22.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 2.899 ng

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

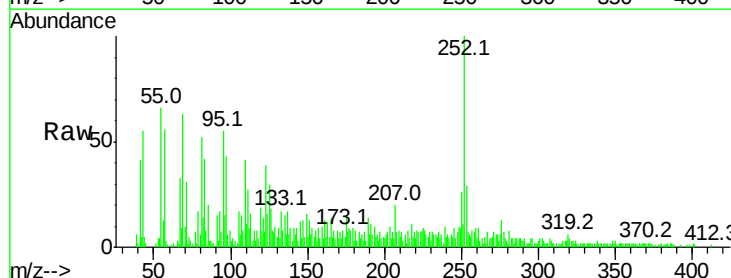
Tgt Ion:252 Resp: 50919

Ion Ratio Lower Upper

252 100

253 29.2 17.0 25.6#

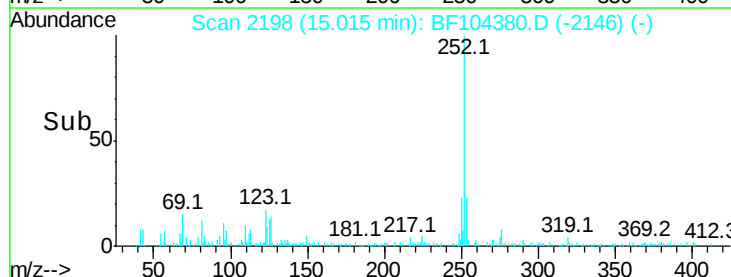
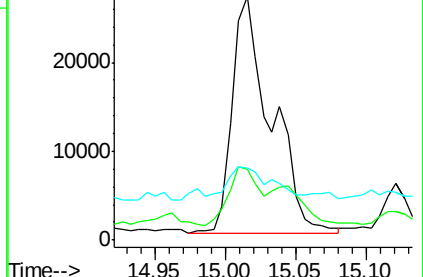
125 29.7 9.0 13.6#

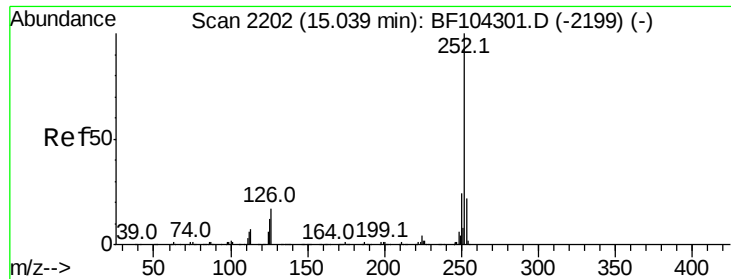


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.071 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

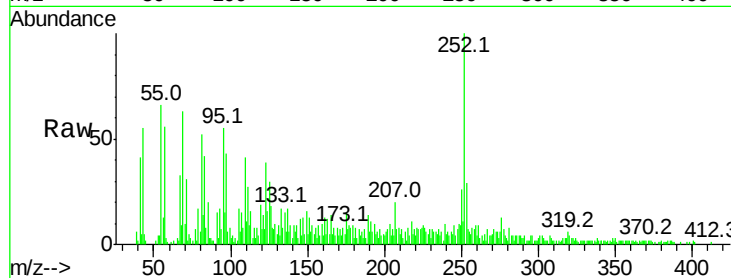
Lab File: BF104380.D

Acq: 9 Apr 2018 18:49

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	50919
Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	29.7	10.2	15.2#

