

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104714.D
 Acq On : 23 Apr 2018 17:21
 Operator : JU/SJ
 Sample : J2500-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 01:02:12 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

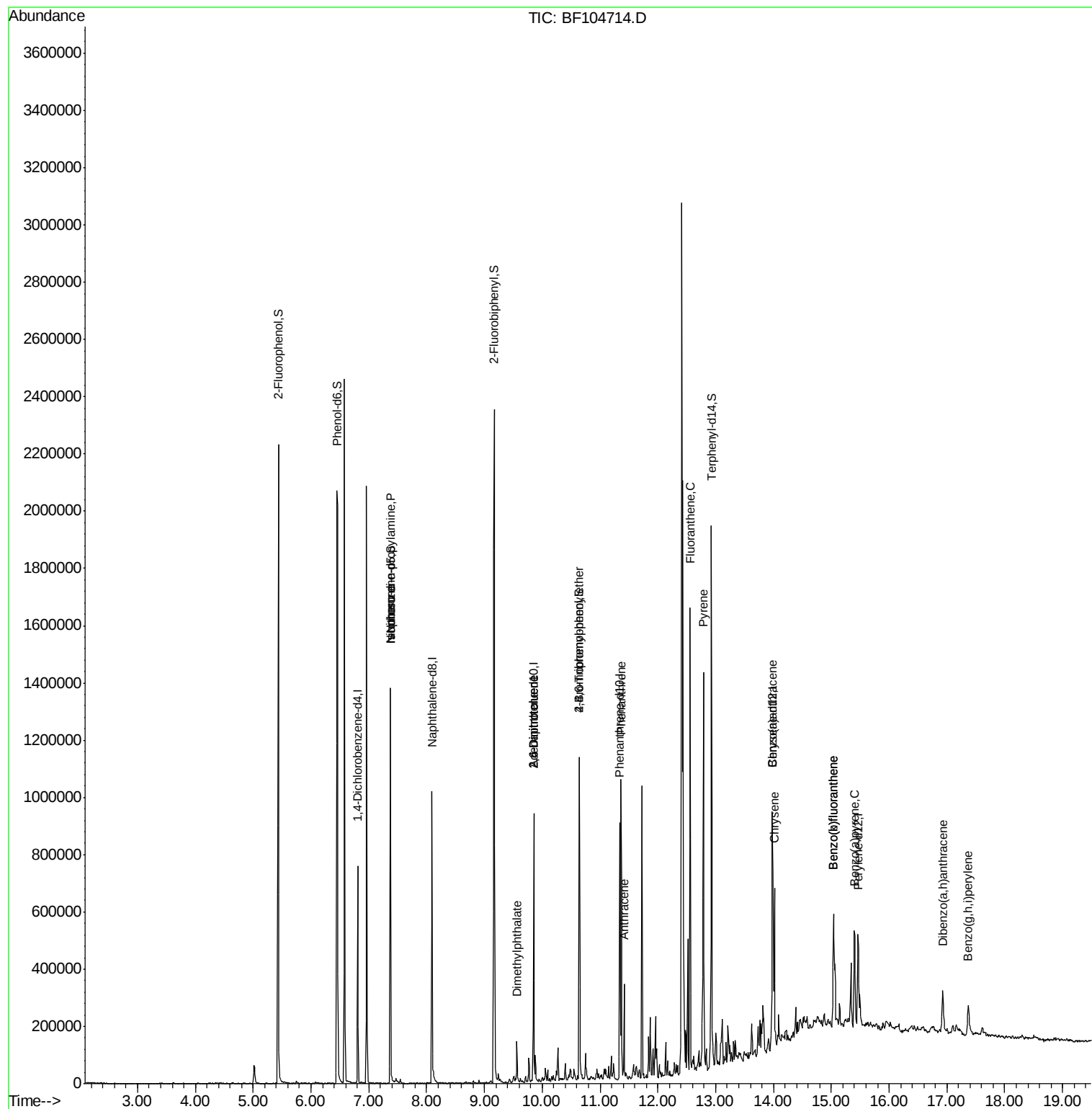
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114954	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	448380	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	180129	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	287657	20.00	ng	0.00
75) Chrysene-d12	13.99	240	184728	20.00	ng	0.00
86) Perylene-d12	15.46	264	141452	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	669559	89.06	ng	0.02
7) Phenol-d6	6.45	99	792427	85.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	428723	62.44	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	144817	77.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	751825	65.94	ng	0.00
78) Terphenyl-d14	12.93	244	586095	72.33	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	55620	9.215	ng	# 73
25) Isophorone	7.37	82	428717	29.525	ng	# 64
49) Dimethylphthalate	9.56	163	58394	4.111	ng	97
50) 2,6-Dinitrotoluene	9.85	165	22990	8.747	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	22990	6.668	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	8546	2.793	ng	# 1
70) Phenanthrene	11.36	178	353339	22.057	ng	98
71) Anthracene	11.42	178	112644	6.917	ng	98
74) Fluoranthene	12.56	202	660201	39.445	ng	100
76) Benzidine	12.93	184	8065	Below Cal		# 90
77) Pyrene	12.79	202	583240	42.595	ng	99
80) Benzo(a)anthracene	13.98	228	241247	21.860	ng	98
82) Chrysene	14.02	228	205060	18.090	ng	97
87) Benzo(b)fluoranthene	15.04	252	288268	32.267	ng	97
88) Benzo(k)fluoranthene	15.04	252	288268	34.178	ng	99
89) Benzo(a)pyrene	15.40	252	162732	20.358	ng	95
90) Dibenzo(a,h)anthracene	16.93	278	22116	3.369	ng	# 89
91) Benzo(g,h,i)perylene	17.37	276	90522	14.232	ng	96

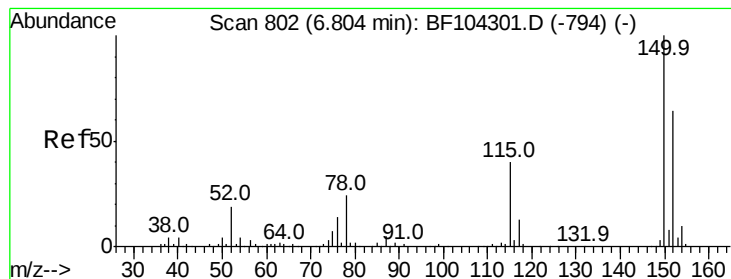
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104714.D
Acq On : 23 Apr 2018 17:21
Operator : JU/SJ
Sample : J2500-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 24 01:02:12 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



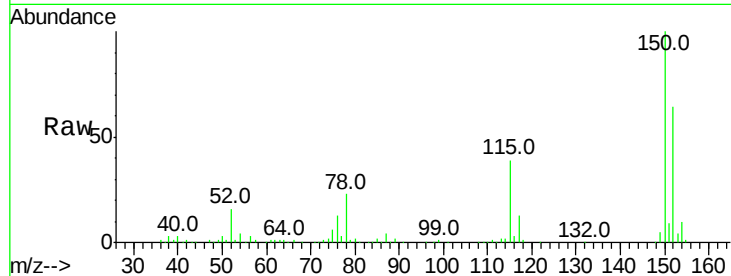


#1

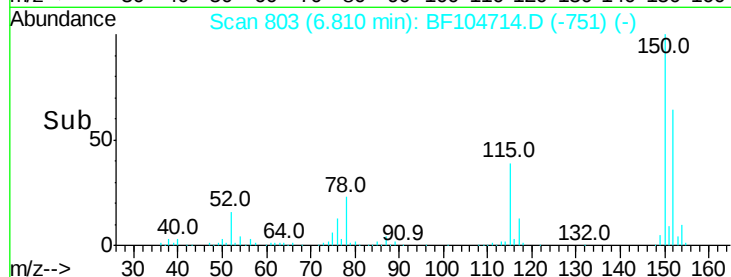
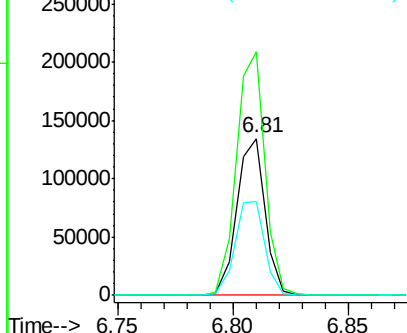
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114954
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 60.2 50.1 75.1



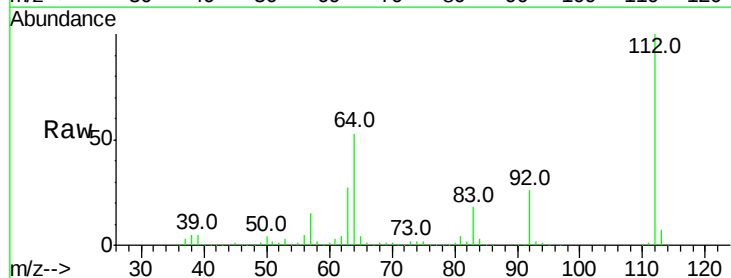
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



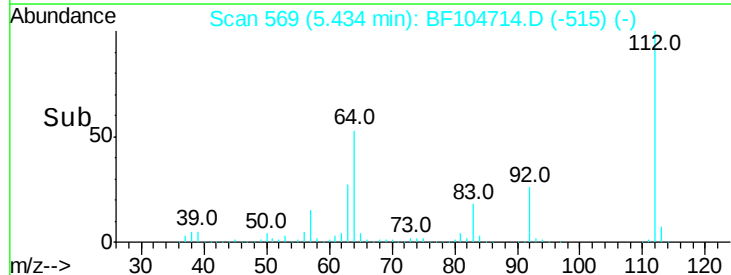
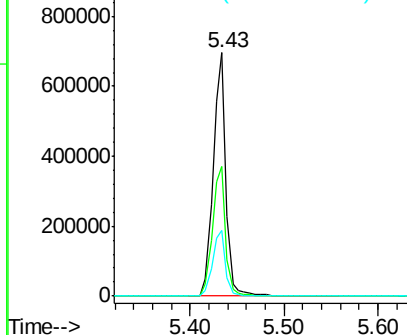
#5

2-Fluorophenol
Concen: 89.061 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion:112 Resp: 669559
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 26.7 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: 85.787 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampled :

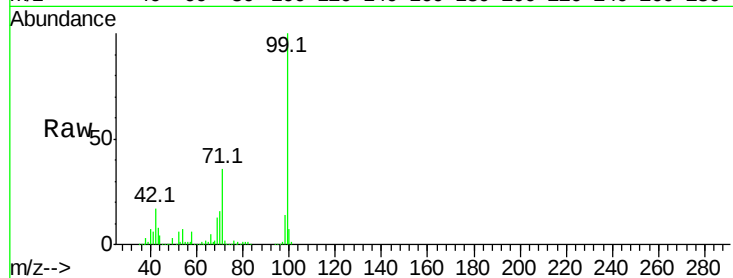
Tot Ion: 99 Resp: 792427

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

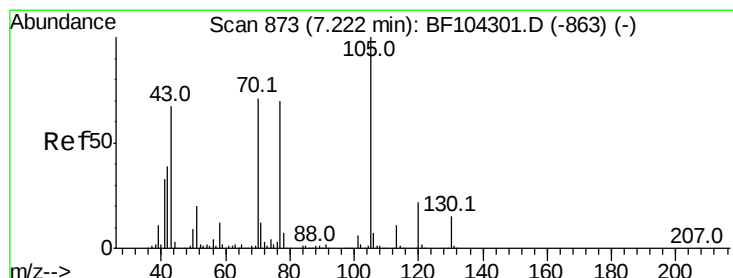
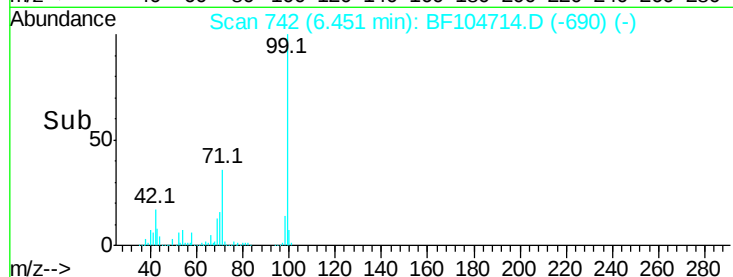
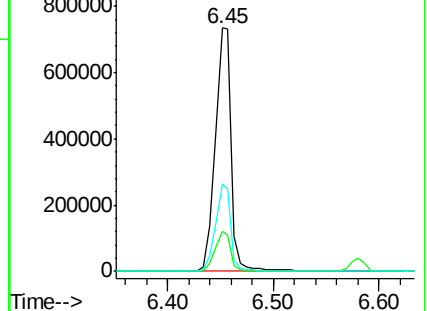
71 35.8 25.4 38.0



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: 9.215 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Tgt Ion: 70 Resp: 55620

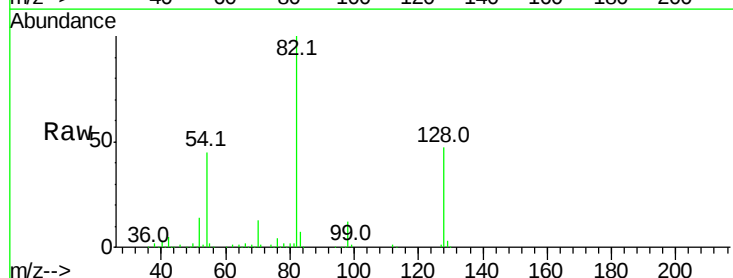
Ion Ratio Lower Upper

70 100

42 41.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

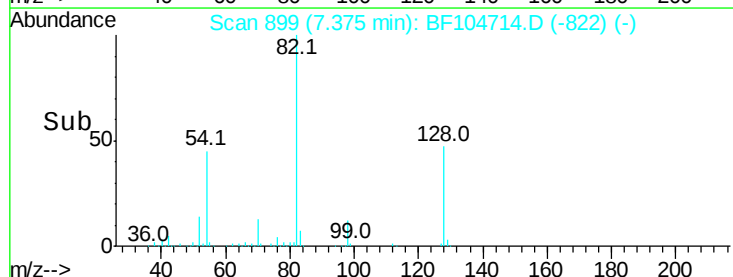
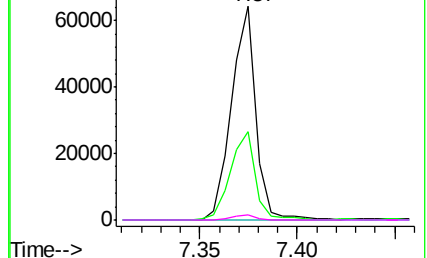


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

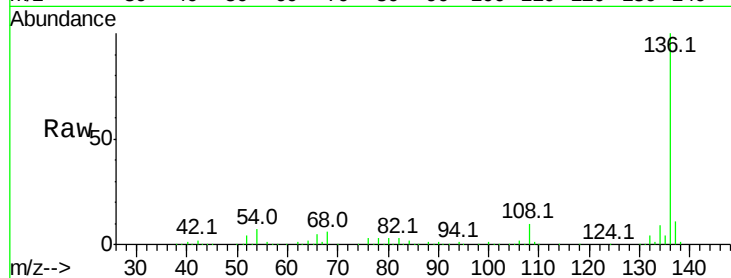




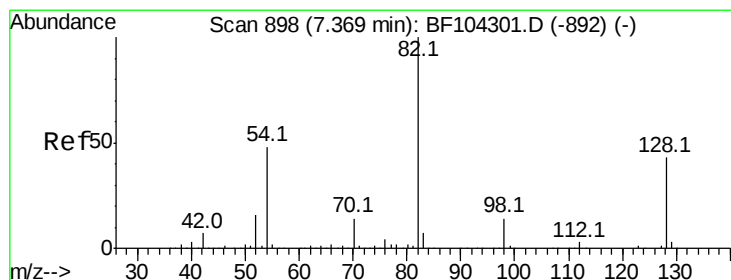
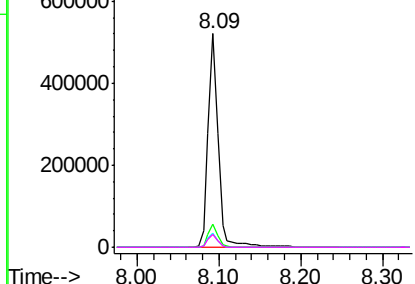
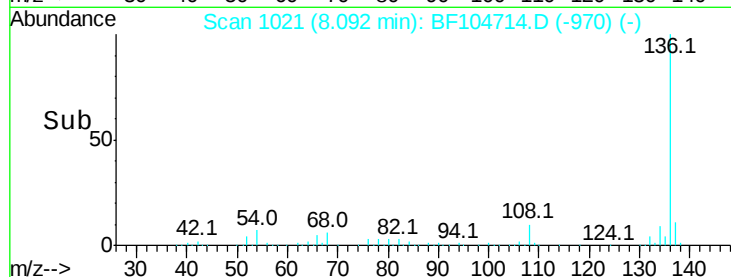
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	448380
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.1	5.0	7.4

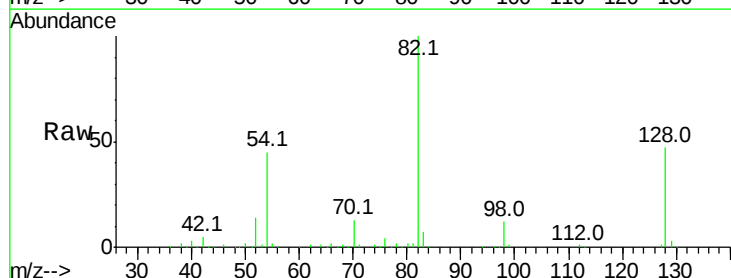


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

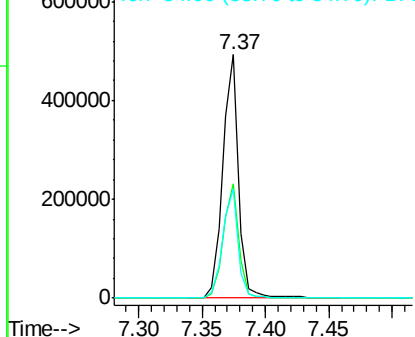
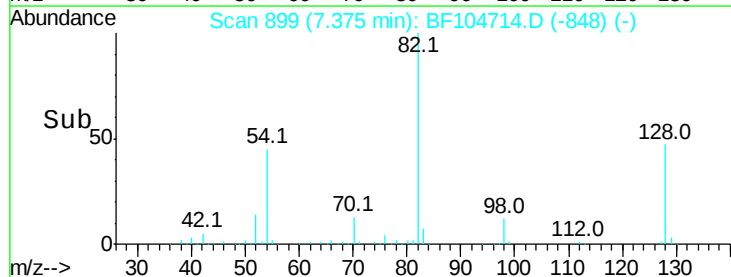


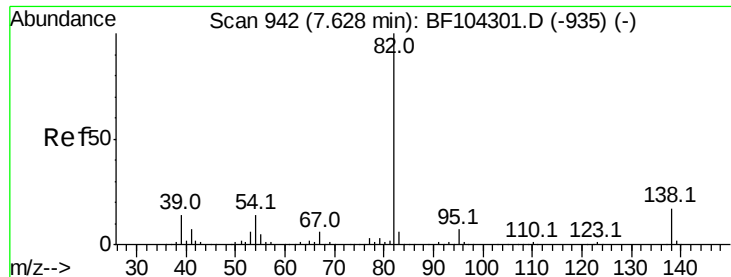
#23
Nitrobenzene-d5
Concen: 62.435 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion:	82	Resp:	428723
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	44.7	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: 29.525 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

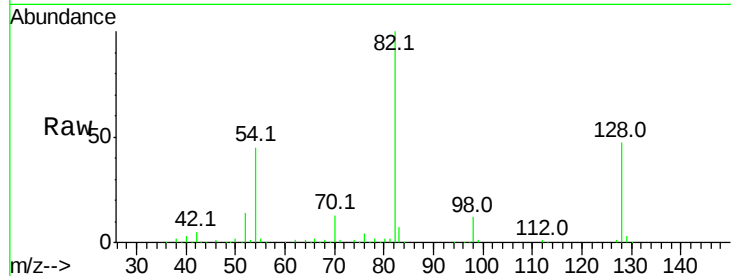
Tot Ion: 82 Resp: 428717

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

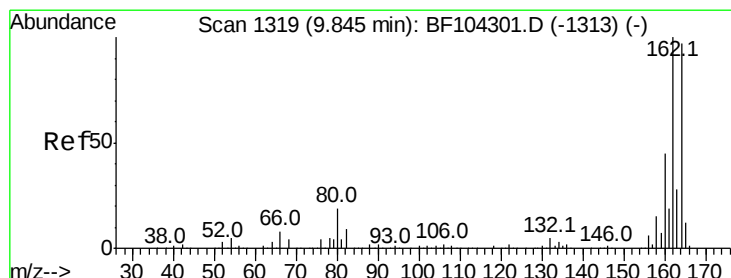
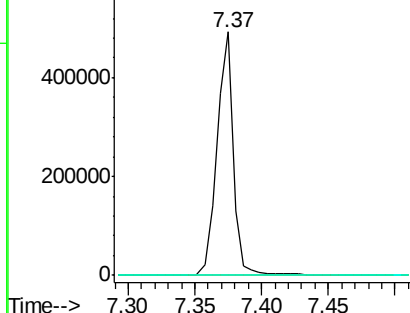
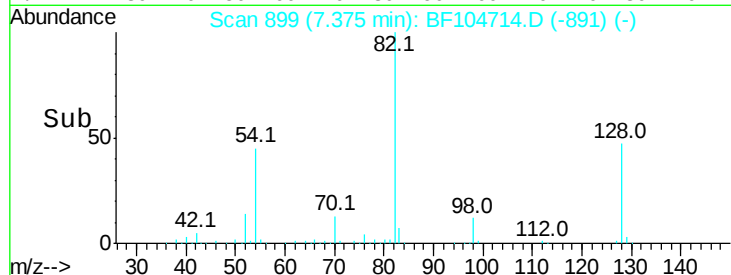
138 0.0 14.9 22.3#



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: BF104714.D

Acq: 23 Apr 2018 17:21

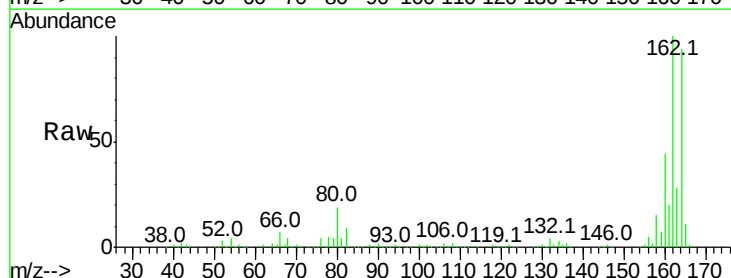
Tgt Ion:164 Resp: 180129

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

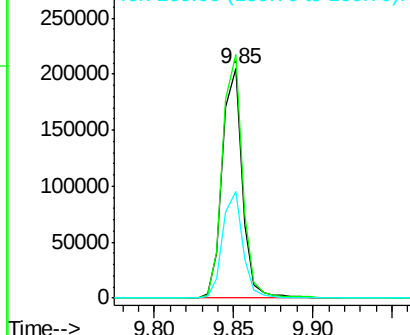
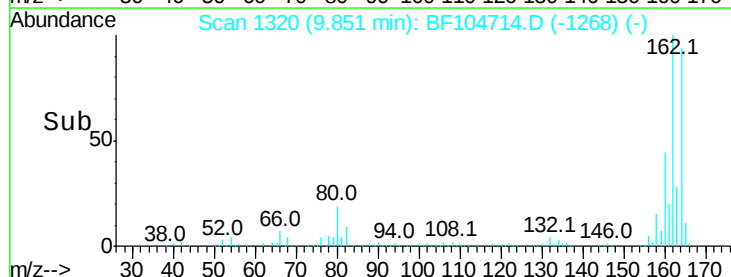
160 46.5 38.3 57.5



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

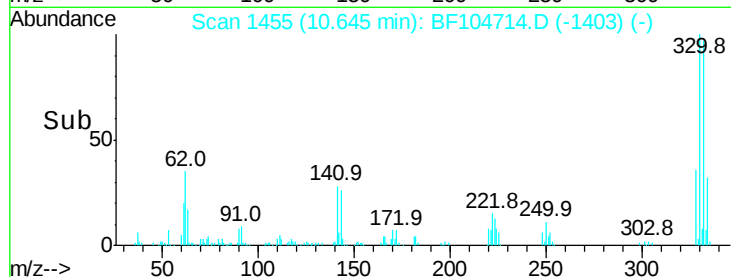
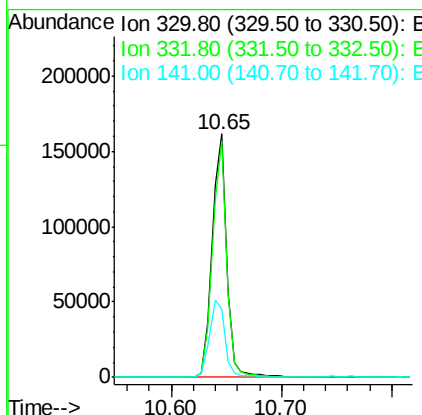
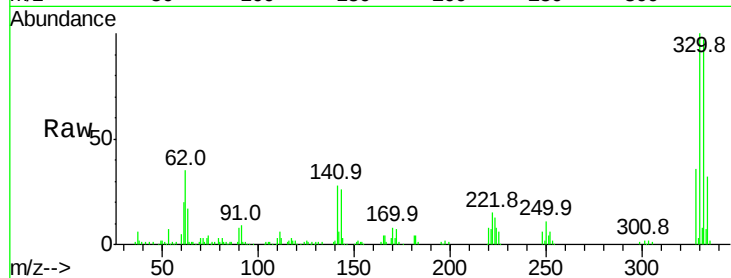




#41
 2,4,6-Tribromophenol
 Concen: 77.503 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

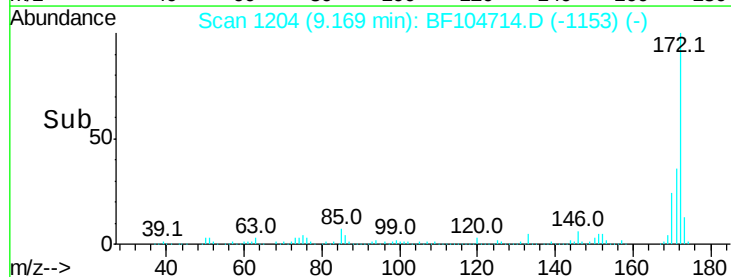
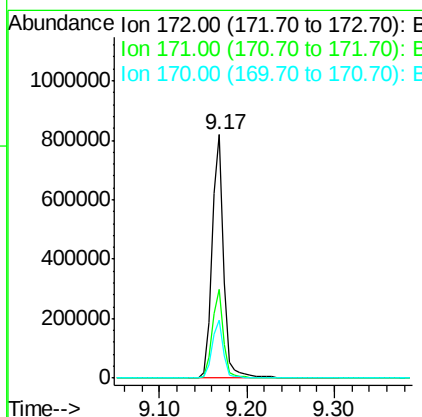
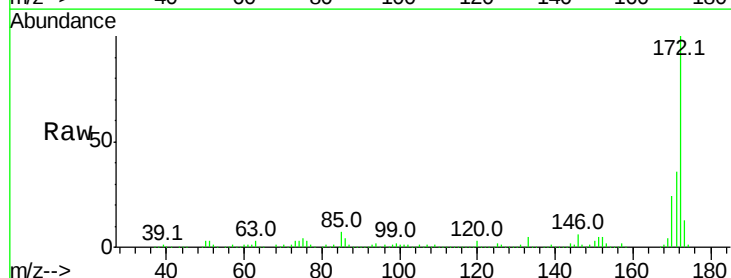
Instrument :
 BNA_F
 ClientSampleId :

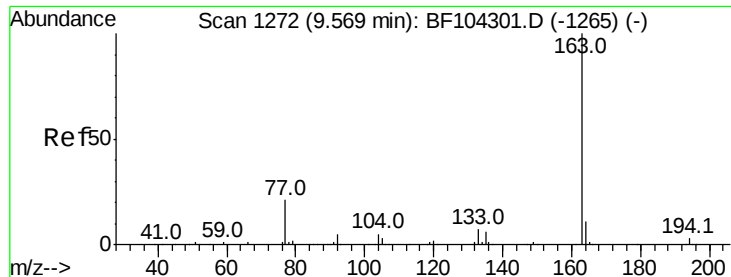
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	33.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 65.936 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4

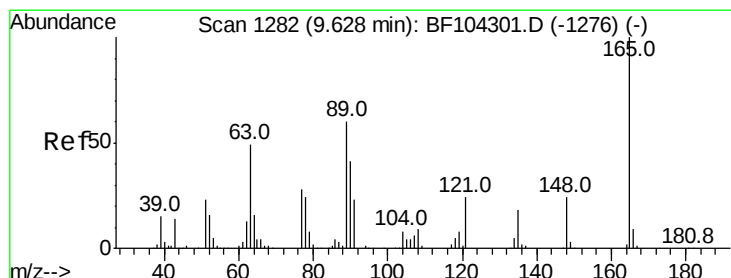
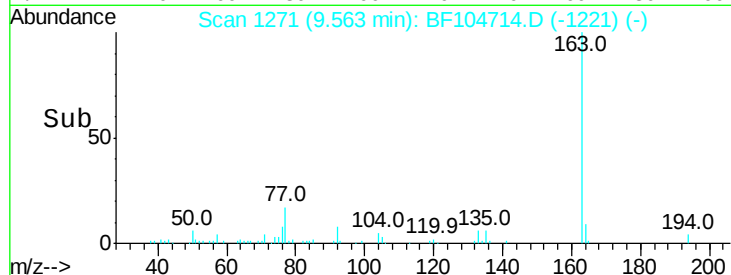
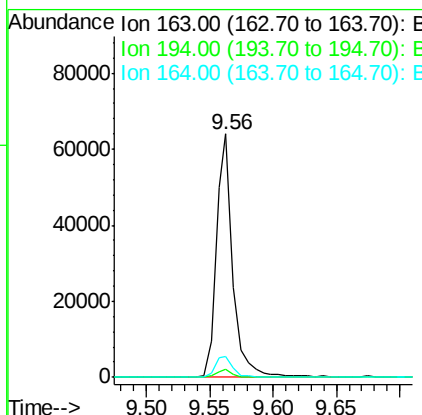
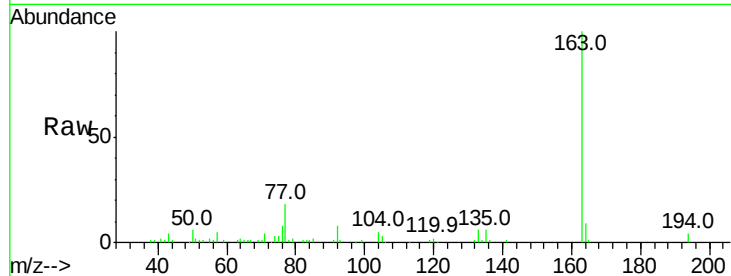




#49
 Dimethylphthalate
 Concen: 4.111 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

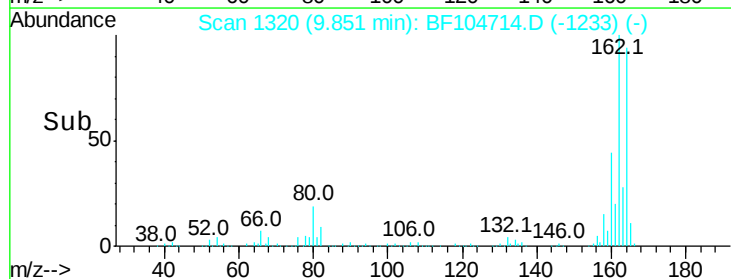
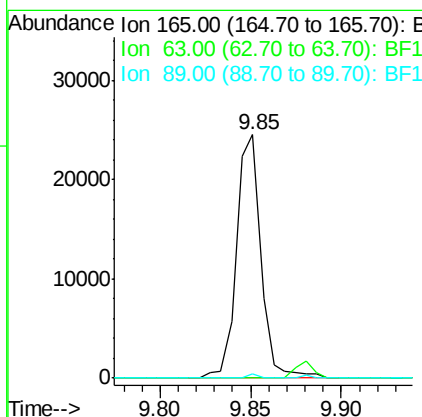
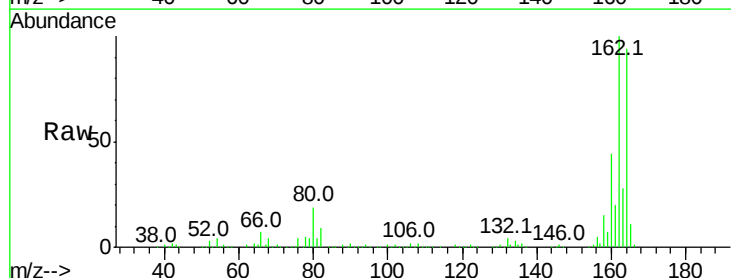
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 58394
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 8.8 8.2 12.2



#50
 2,6-Dinitrotoluene
 Concen: 8.747 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Tgt Ion:165 Resp: 22990
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.7 44.0 66.0#

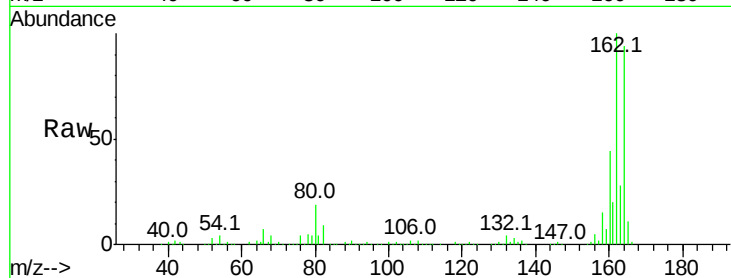




#56
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	22990
Ion Ratio	Lower	Upper
165 100		
63 0.0	36.4	54.6#
89 1.7	57.8	86.6#
182 0.0	1.6	2.4#

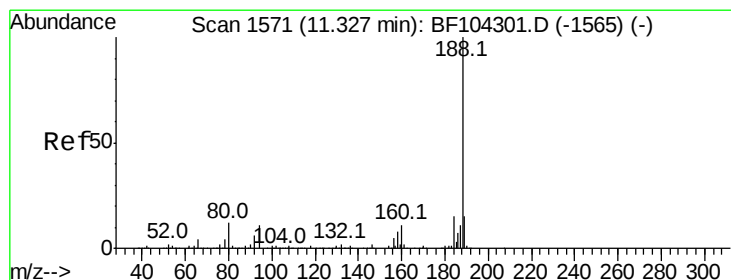
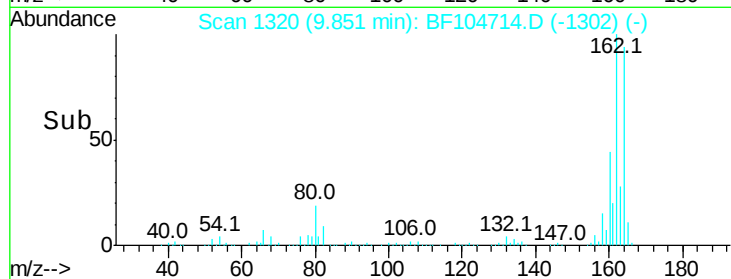
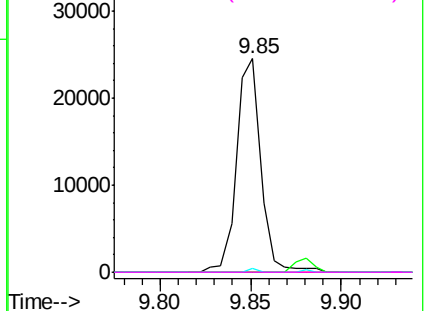


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

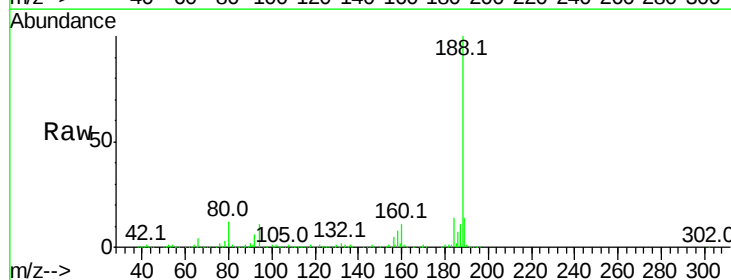
Ion 89.00 (88.70 to 89.70): BF1

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: BF104714.D
 Acq: 23 Apr 2018 17:21

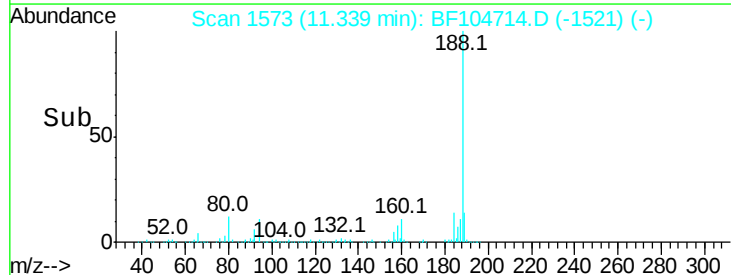
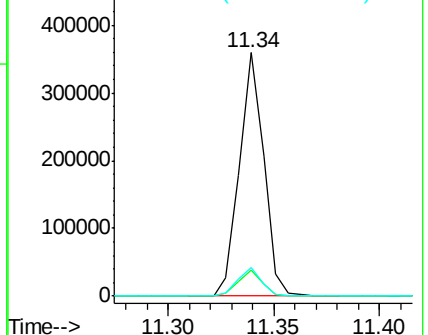
Tgt Ion:188	Resp:	287657
Ion Ratio	Lower	Upper
188 100		
94 10.5	8.5	12.7
80 11.6	9.2	13.8

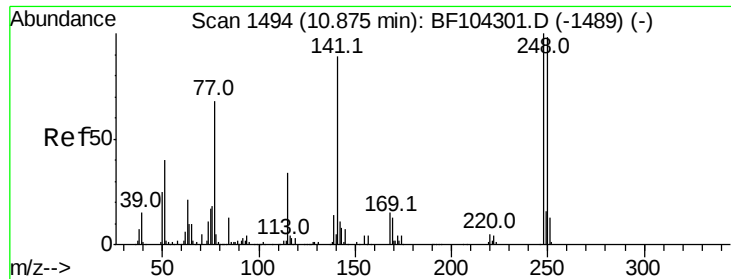


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

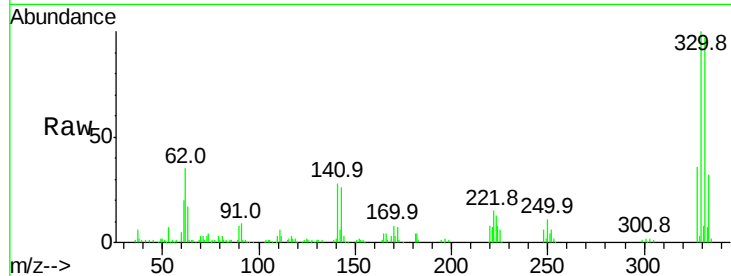




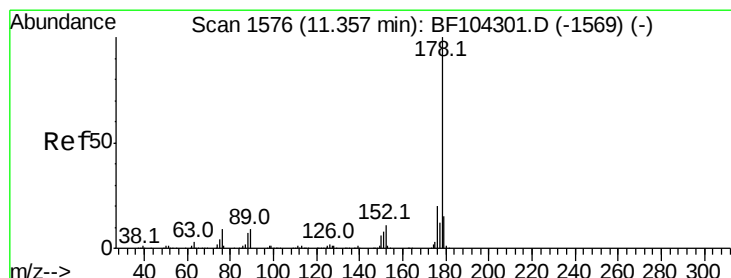
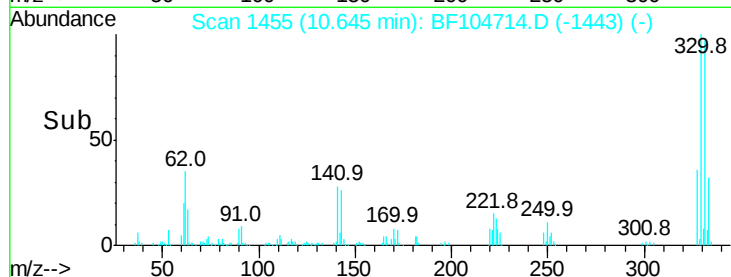
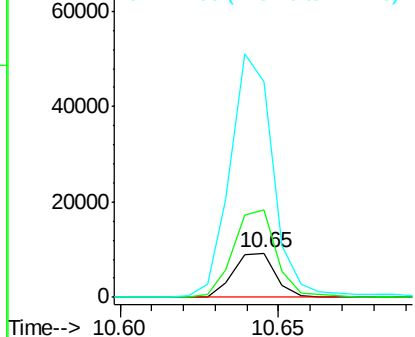
#66
 4-Bromophenyl-phenylether
 Concen: 2.793 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.23 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8546
 Ion Ratio Lower Upper
 248 100
 250 195.3 76.9 115.3#
 141 483.1 74.4 111.6#

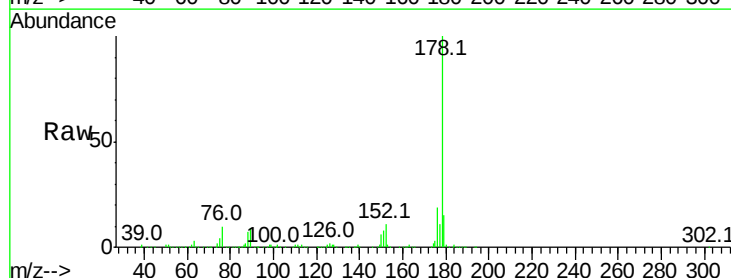


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

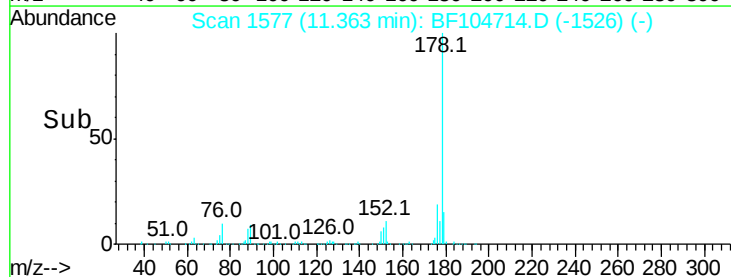
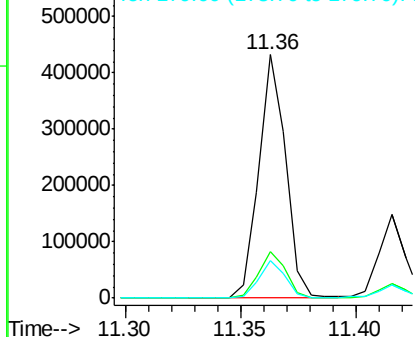


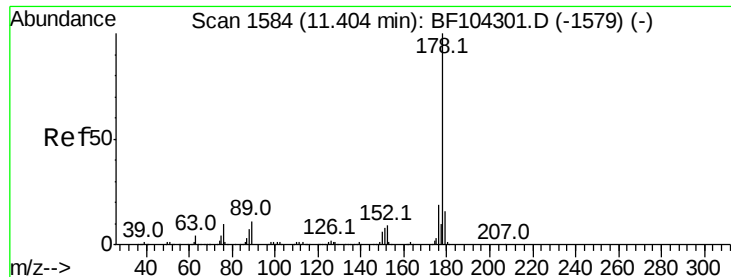
#70
 Phenanthrene
 Concen: 22.057 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Tgt Ion:178 Resp: 353339
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.2 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

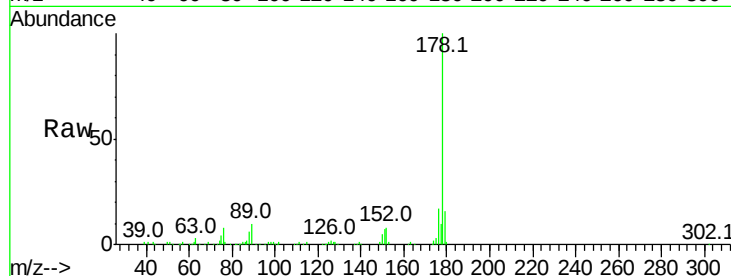




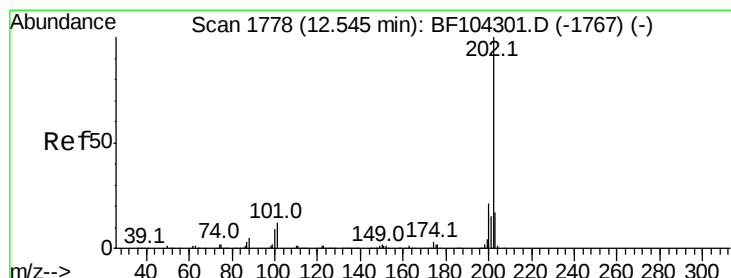
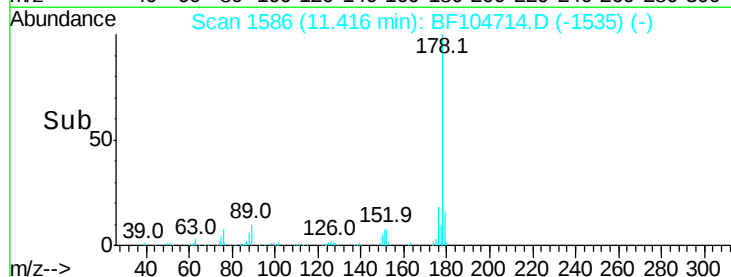
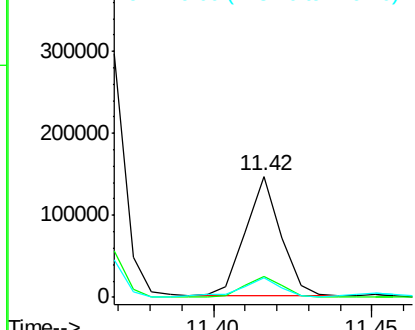
#71
 Anthracene
 Concen: 6.917 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 112644
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 15.9 12.6 19.0

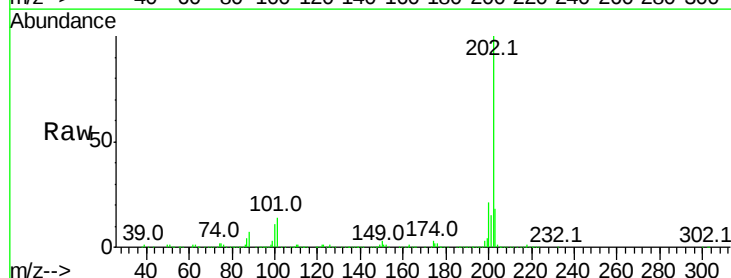


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

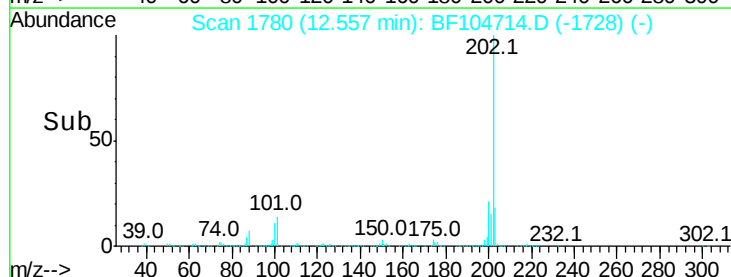
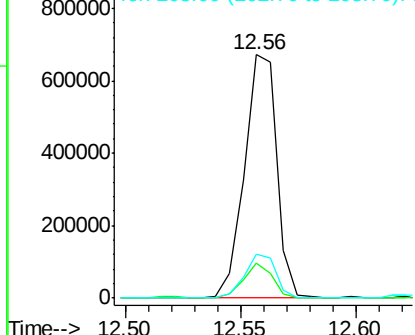


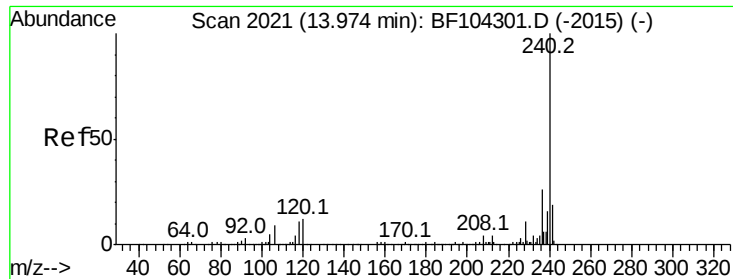
#74
 Fluoranthene
 Concen: 39.445 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Tgt Ion:202 Resp: 660201
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 34.1
 203 17.9 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: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

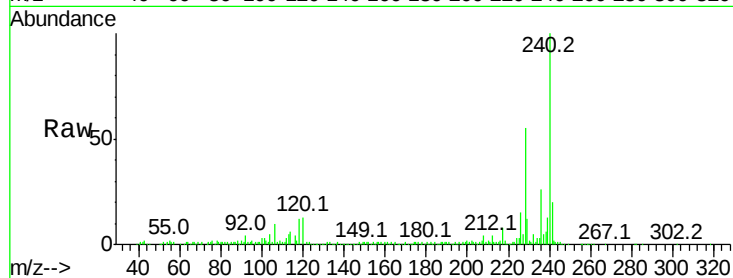
Tot Ion:240 Resp: 184728

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

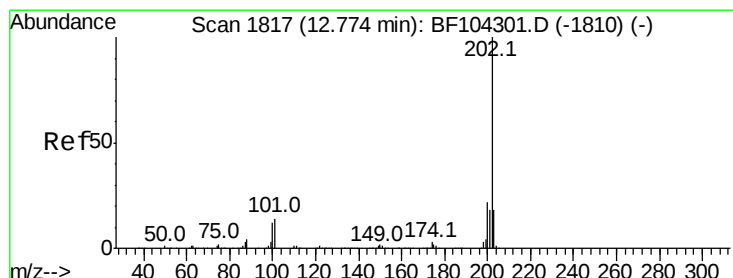
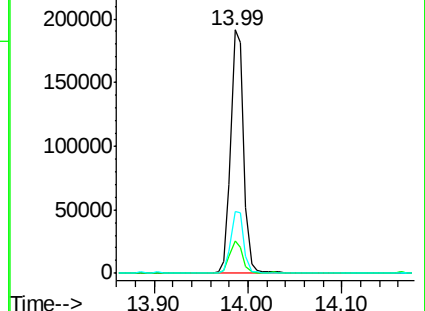
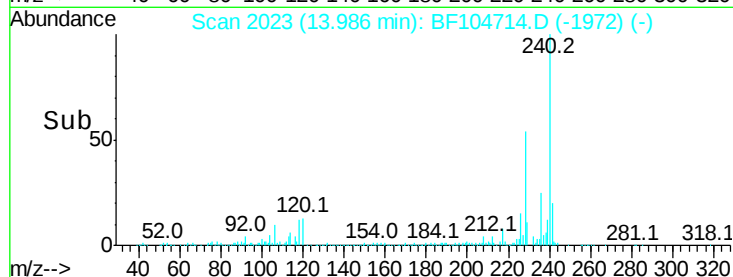
236 25.5 20.7 31.1



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: 42.595 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

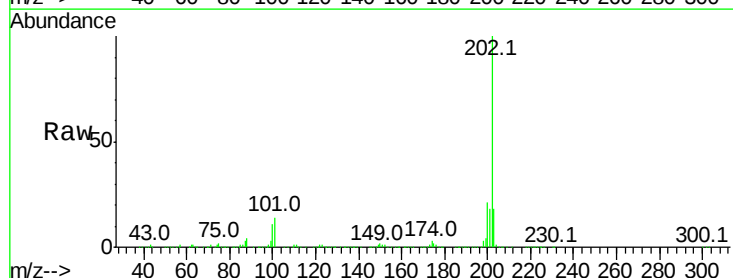
Tgt Ion:202 Resp: 583240

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

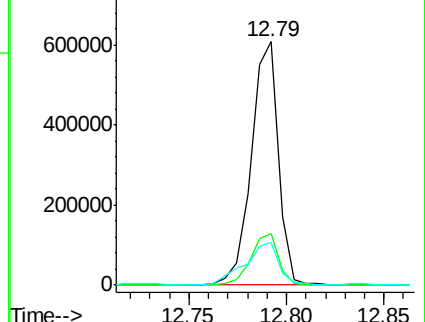
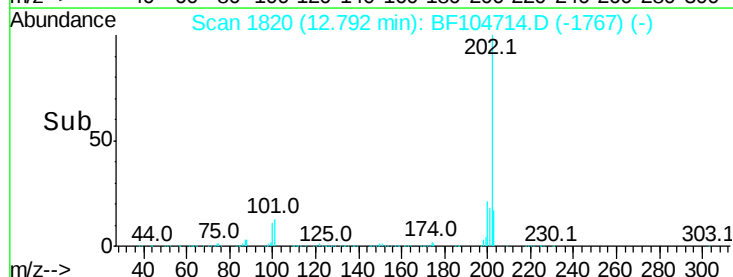
203 17.6 14.3 21.5

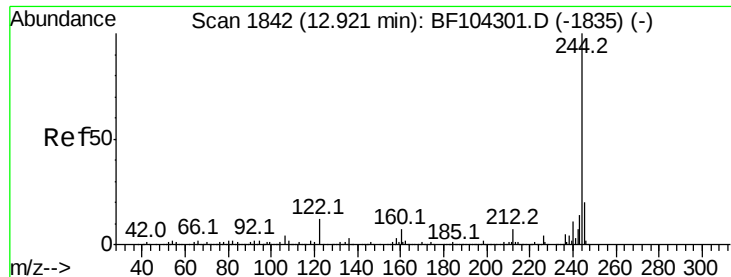


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.333 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

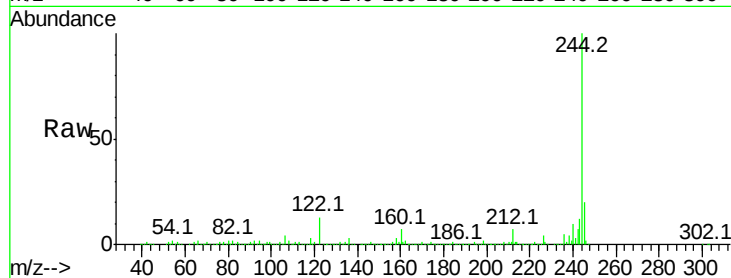
Tot Ion:244 Resp: 586095

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

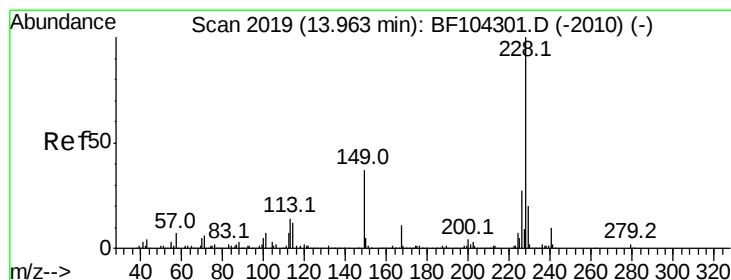
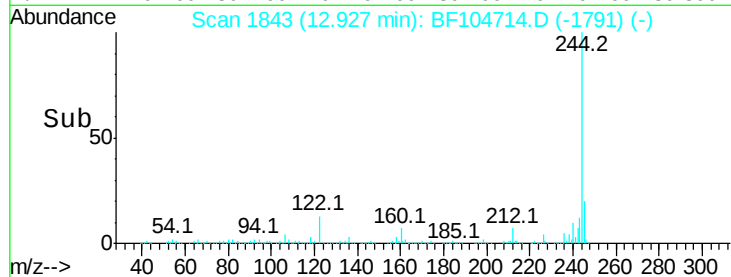
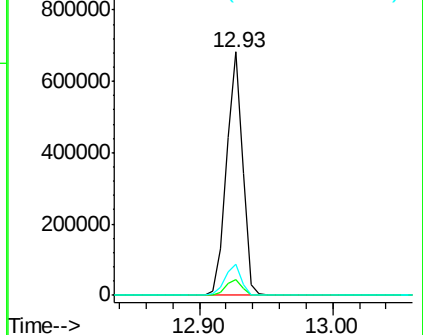
122 12.7 11.0 16.4



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: 21.860 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

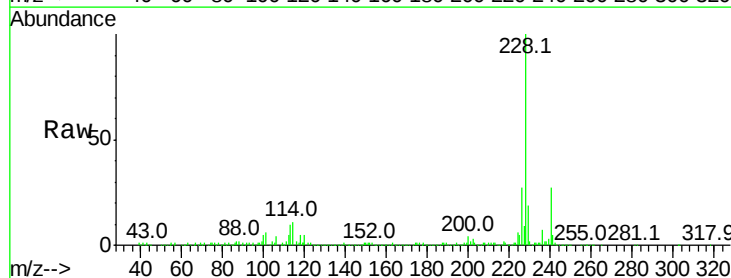
Tgt Ion:228 Resp: 241247

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

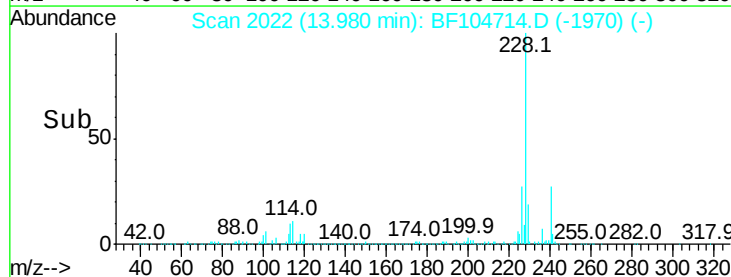
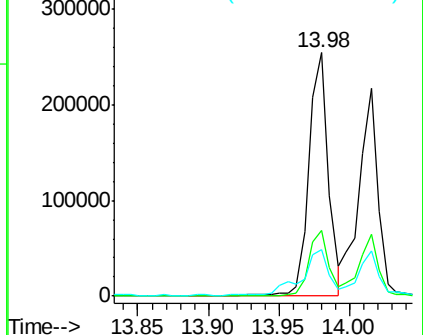
229 19.2 15.8 23.6

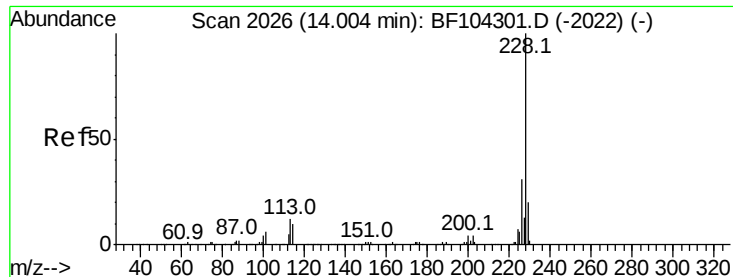


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 18.090 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

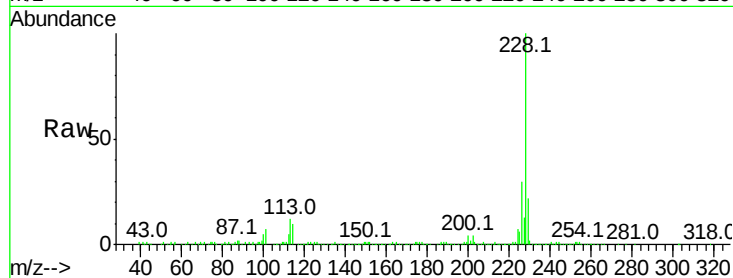
Tot Ion:228 Resp: 205060

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

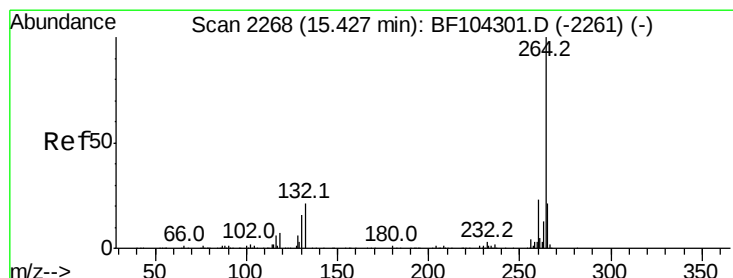
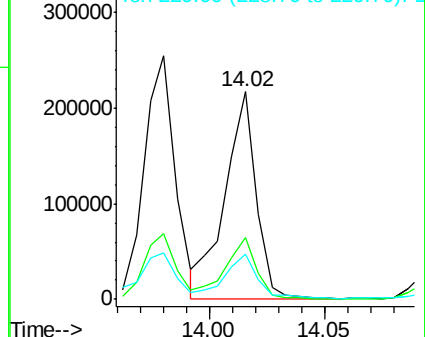
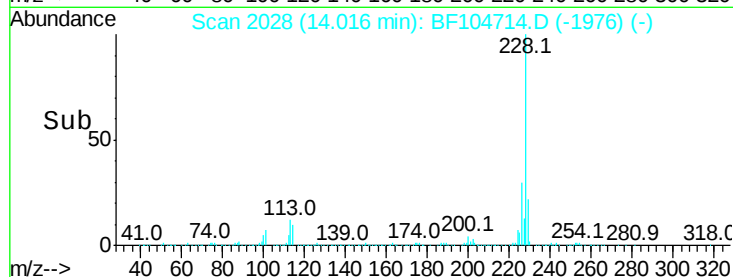
229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

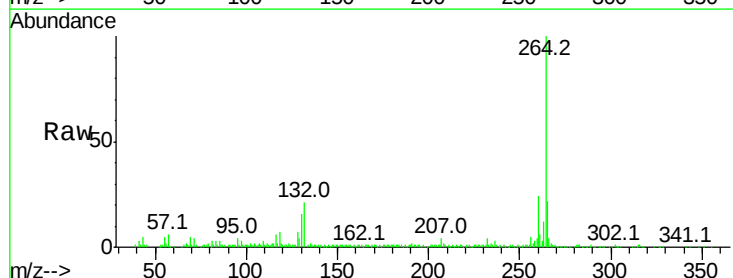
Tgt Ion:264 Resp: 141452

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

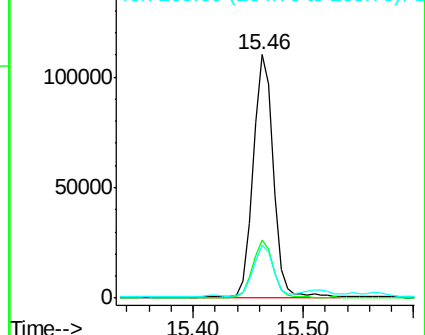
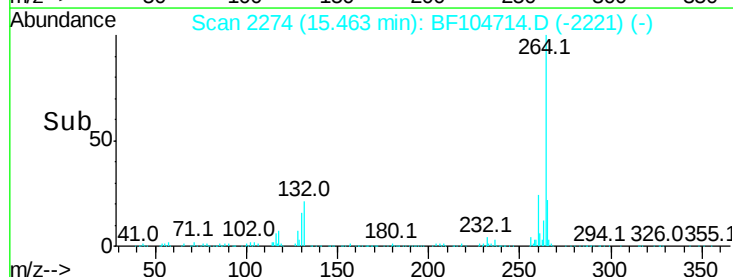
265 21.9 17.5 26.3

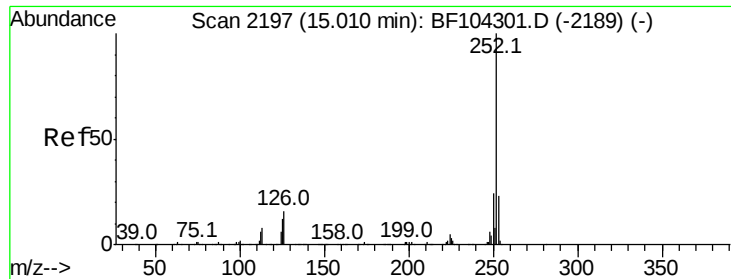


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

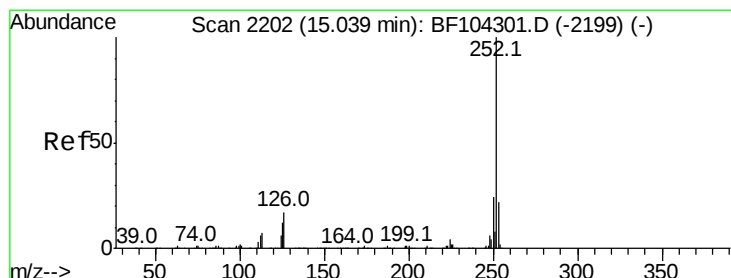
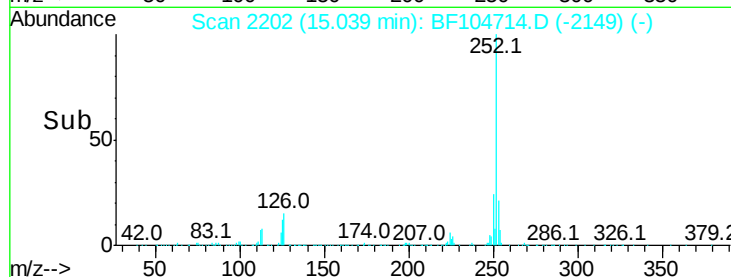
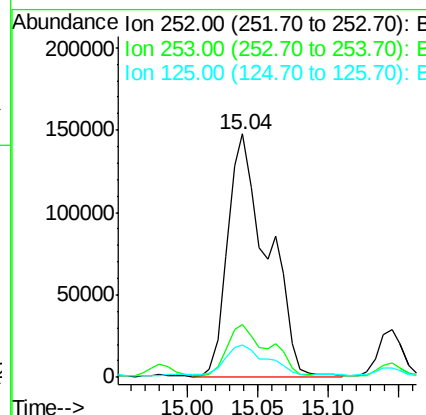
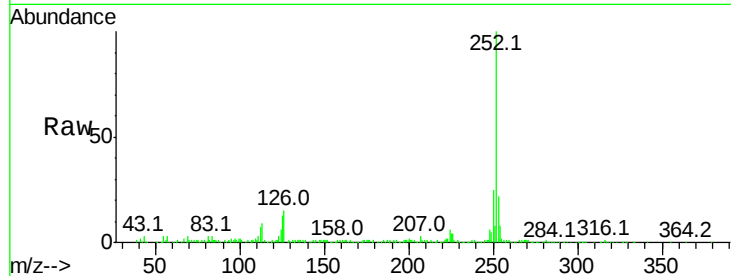




#87
Benzo(b)fluoranthene
Concen: 32.267 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

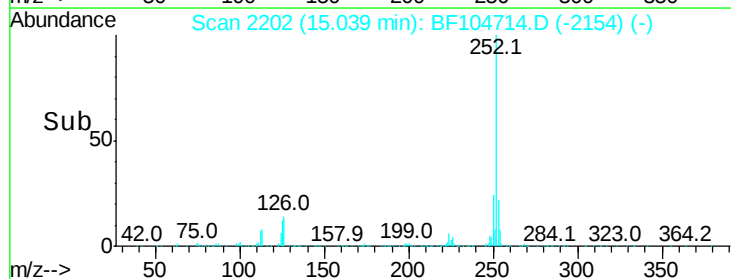
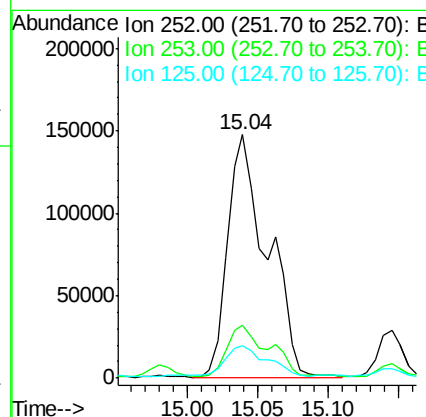
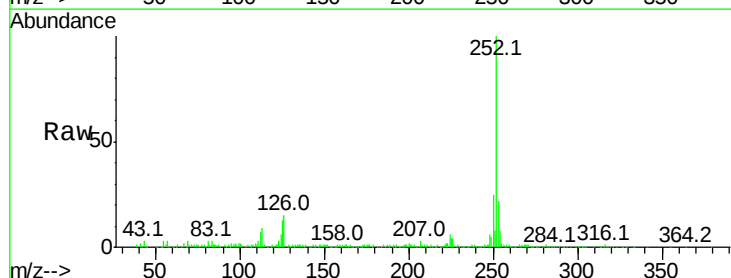
Instrument :
BNA_F
ClientSampleId :

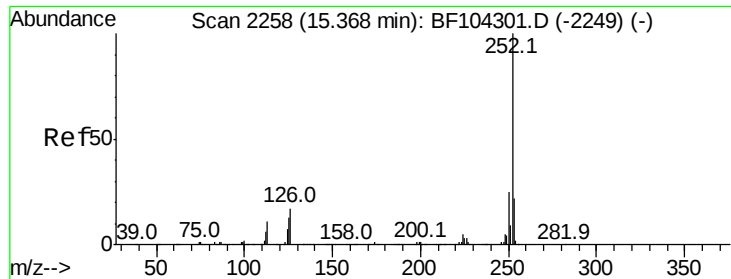
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.3	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 34.178 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.3	10.2	15.2

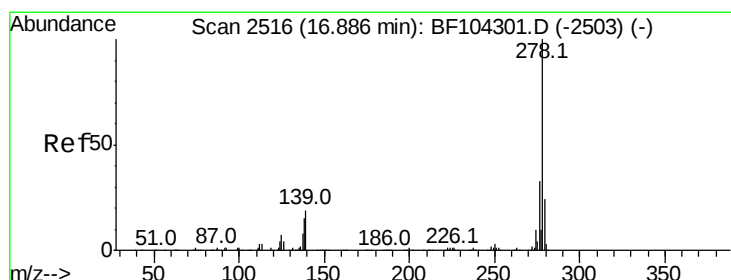
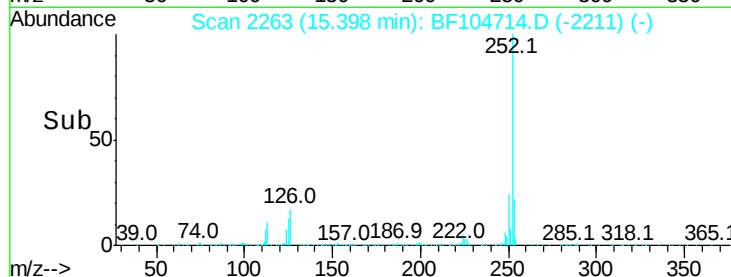
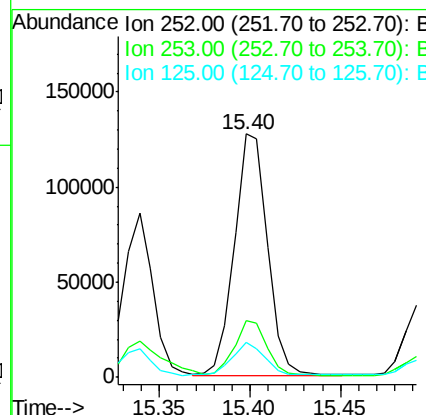
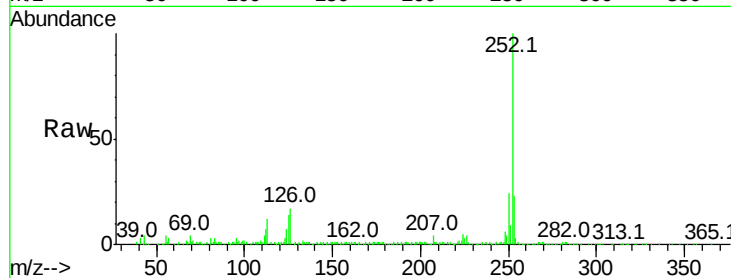




#89
Benzo(a)pyrene
Concen: 20.358 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

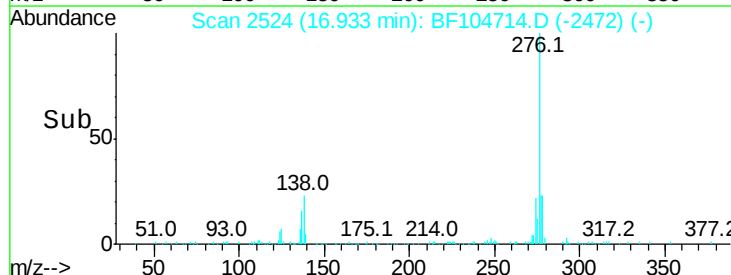
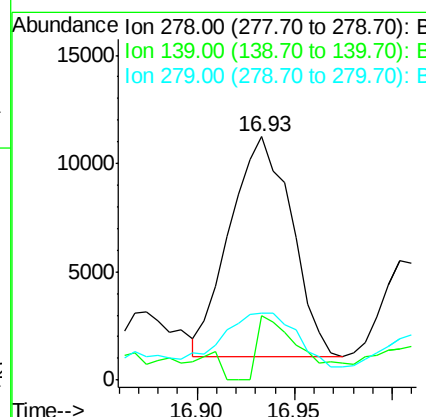
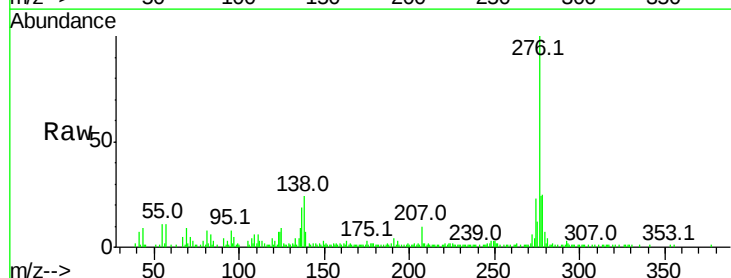
Instrument :
BNA_F
ClientSampleId :

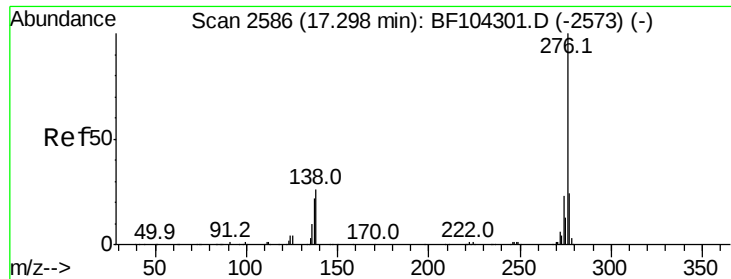
Tot Ion:252 Resp: 162732
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 14.5 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.369 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion:278 Resp: 22116
Ion Ratio Lower Upper
278 100
139 26.7 15.9 23.9#
279 27.5 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 14.232 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

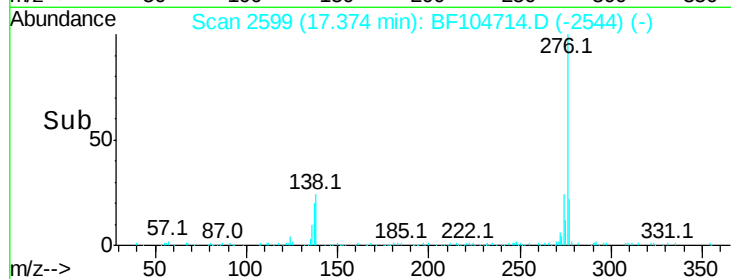
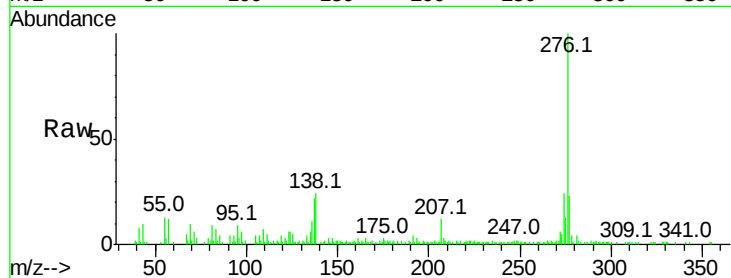
Tot Ion:276 Resp: 90522

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 24.4 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

