

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104192.D
 Acq On : 3 Apr 2018 21:04
 Operator : JU/SJ
 Sample : J2182-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 01:14:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	104503	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	467875	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	226746	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	417613	20.00	ng	0.00
75) Chrysene-d12	14.15	240	292891	20.00	ng	0.00
86) Perylene-d12	15.69	264	223935	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	631654	96.39	ng	0.00
7) Phenol-d6	6.59	99	850984	105.55	ng	0.00
23) Nitrobenzene-d5	7.52	82	514226	67.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	241184	95.53	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	871014	60.58	ng	0.00
78) Terphenyl-d14	13.08	244	891778	70.30	ng	0.00

Target Compounds

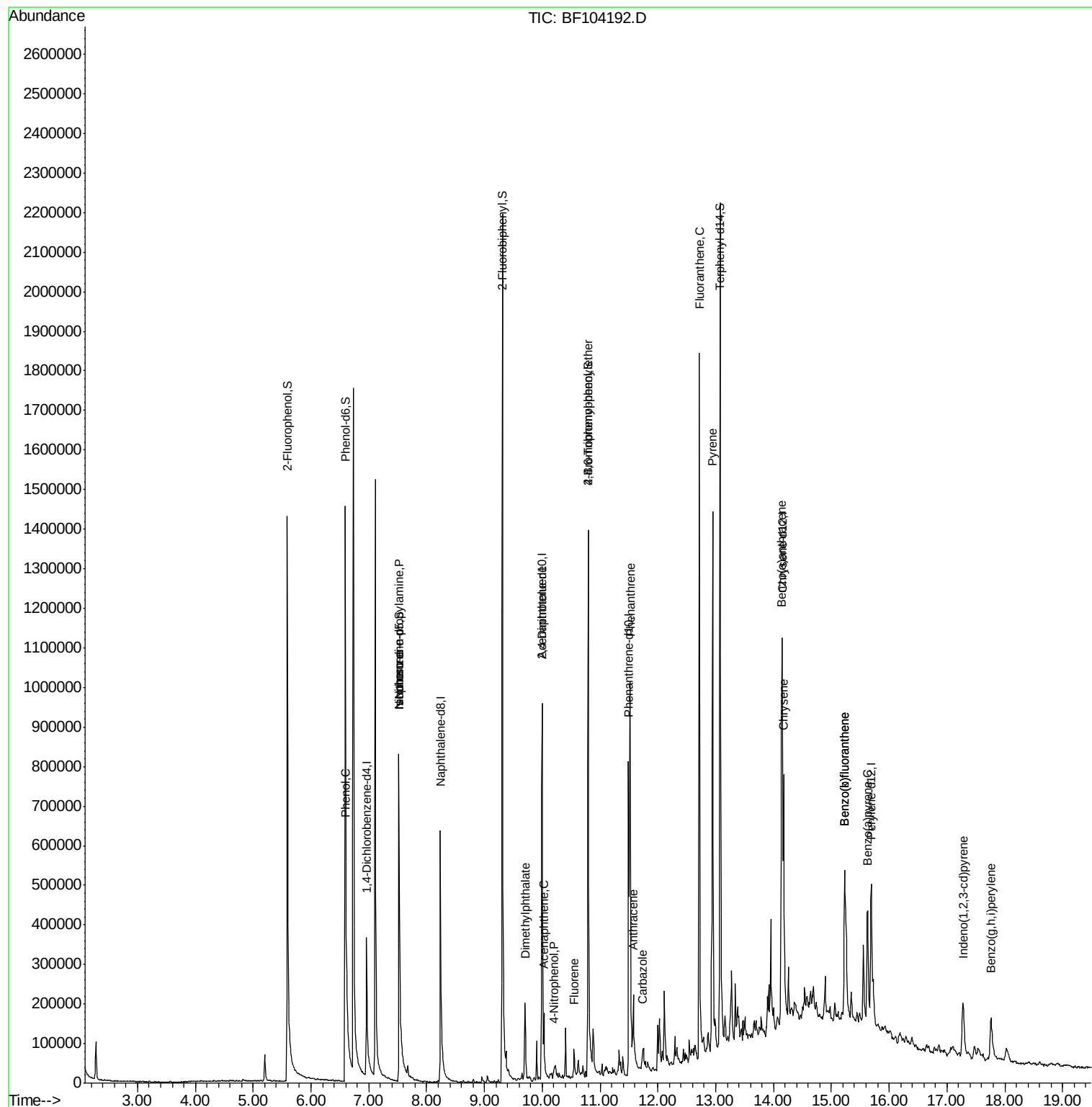
						Qvalue
9) Benzaldehyde	6.59	77	1053	Below Cal	#	1
10) Phenol	6.61	94	34756	3.891 ng	#	68
19) n-Nitroso-di-n-propylamine	7.52	70	62017	12.962 ng	#	72
25) Isophorone	7.52	82	514226	36.472 ng	#	64
49) Dimethylphthalate	9.70	163	104671	5.847 ng		99
51) Acenaphthene	10.03	154	32274	2.399 ng		98
55) 4-Nitrophenol	10.21	139	9516	3.585 ng	#	9
56) 2,4-Dinitrotoluene	10.00	165	29345	5.971 ng	#	24
57) Fluorene	10.55	166	33440	2.063 ng		98
66) 4-Bromophenyl-phenylether	10.79	248	14754	3.302 ng	#	1
70) Phenanthrene	11.52	178	466263	20.622 ng		98
71) Anthracene	11.57	178	145704	6.169 ng		98
72) Carbazole	11.74	167	56939	2.526 ng		98
74) Fluoranthene	12.72	202	838123	34.873 ng		97
77) Pyrene	12.94	202	727429	34.549 ng		99
80) Benzo(a)anthracene	14.14	228	320537	17.490 ng		98
82) Chrysene	14.17	228	263158	14.661 ng		98
85) Indeno(1,2,3-cd)pyrene	17.27	276	125137	6.727 ng	#	90
87) Benzo(b)fluoranthene	15.23	252	371970	27.294 ng		97
88) Benzo(k)fluoranthene	15.23	252	371970	28.974 ng		99
89) Benzo(a)pyrene	15.63	252	196462	15.556 ng		97
91) Benzo(g,h,i)perylene	17.76	276	119610	10.227 ng		96

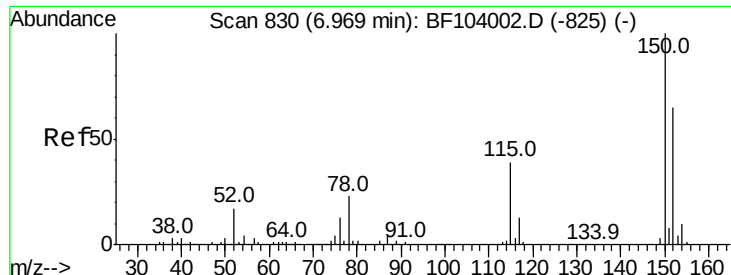
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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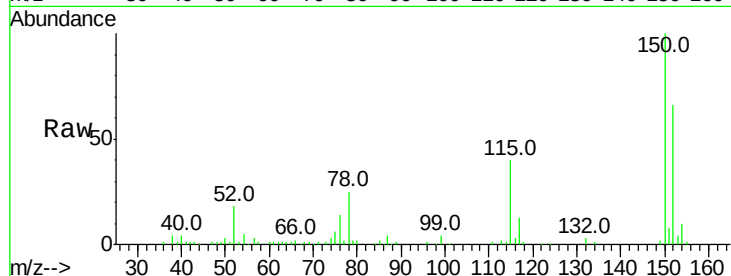


#1

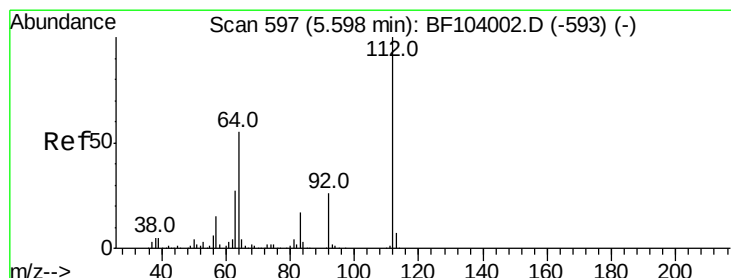
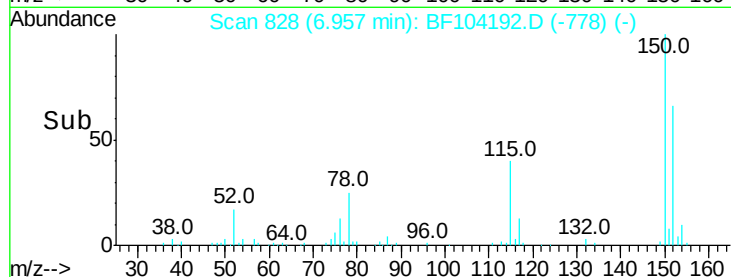
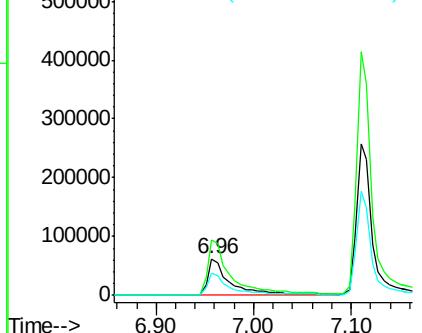
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	61.1	50.1	75.1



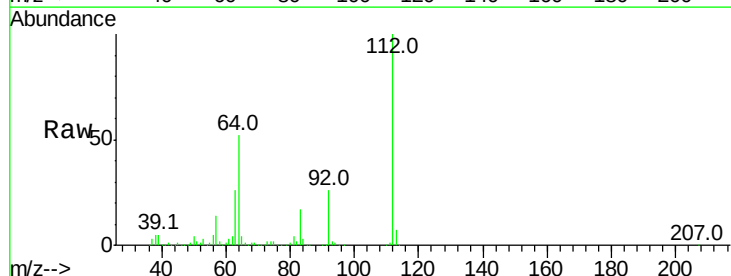
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



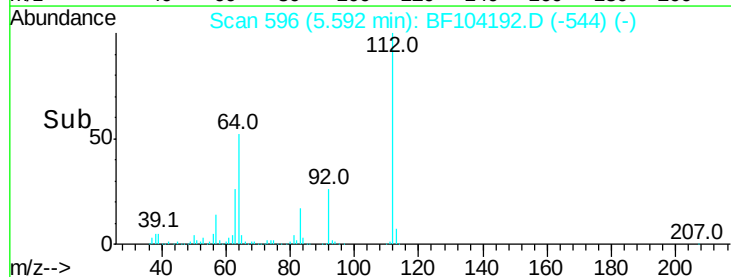
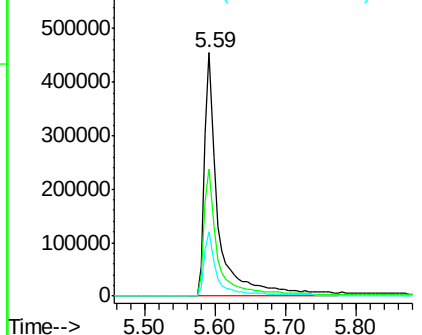
#5

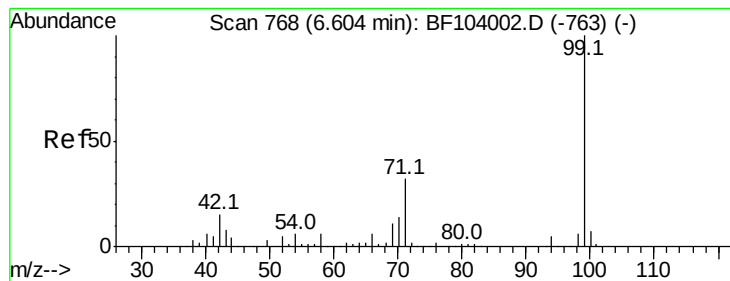
2-Fluorophenol
 Concen: 96.392 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	26.2	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: 105.554 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

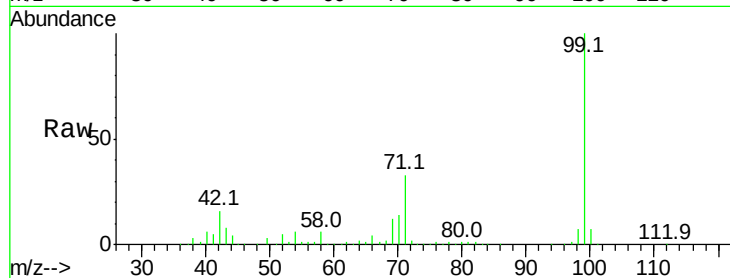
Tot Ion: 99 Resp: 850984

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

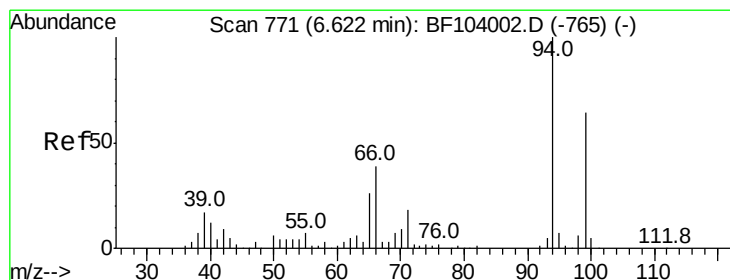
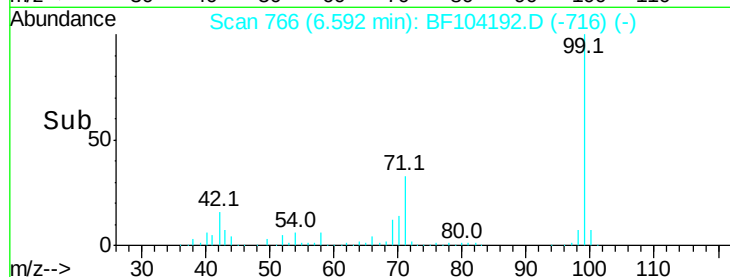
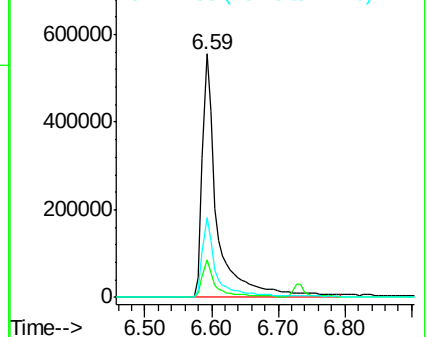
71 33.0 25.4 38.0



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



#10

Phenol

Concen: 3.891 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

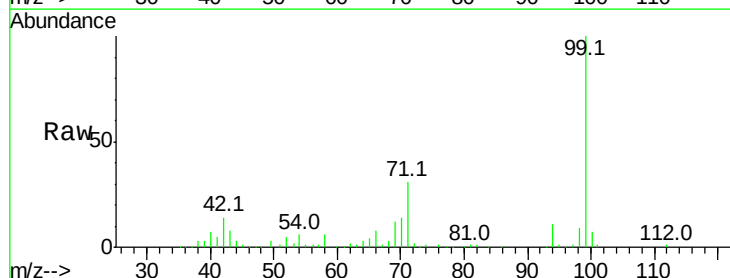
Tgt Ion: 94 Resp: 34756

Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

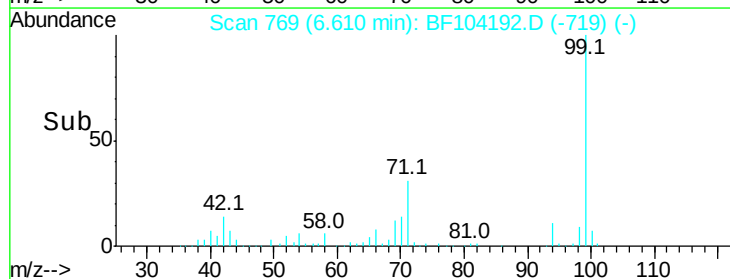
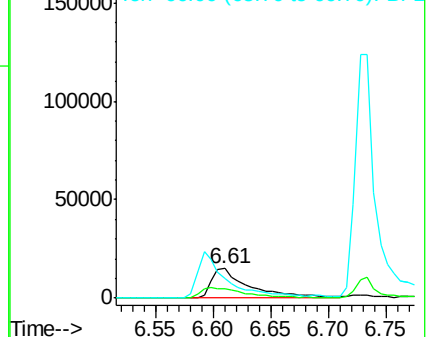
66 66.5 16.2 56.2#

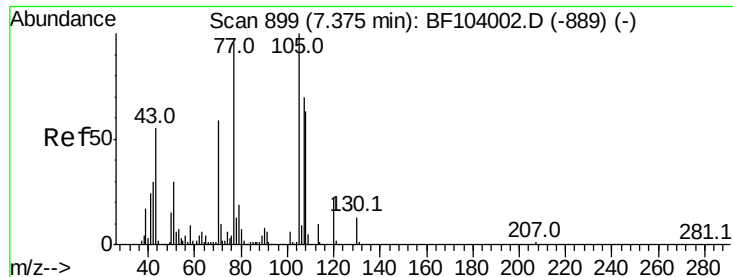


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

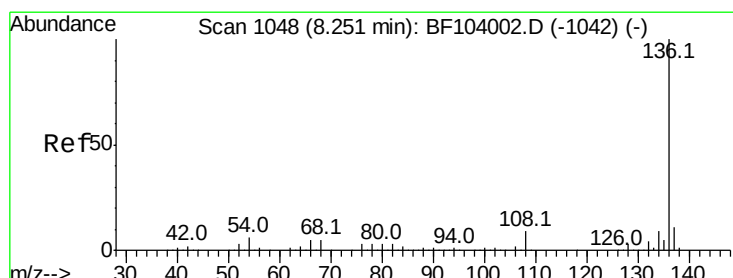
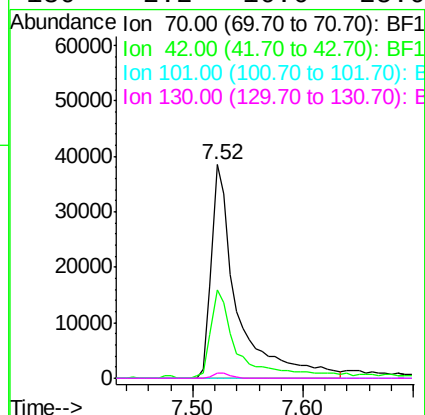
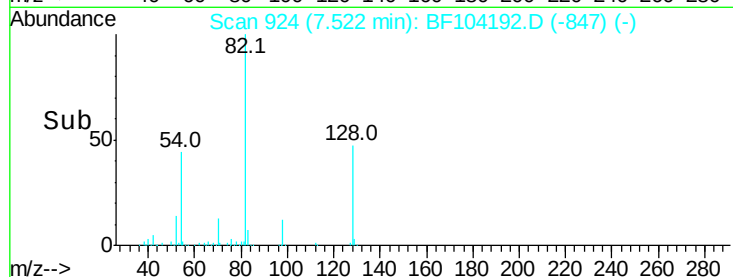
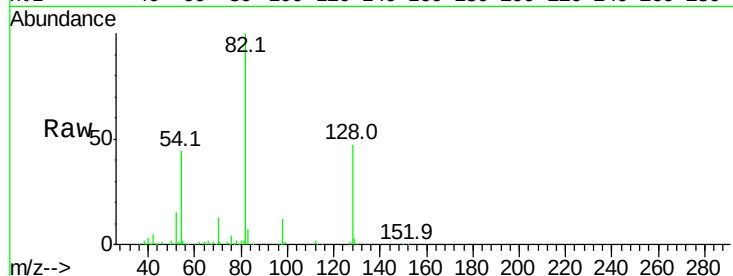




#19
n-Nitroso-di-n-propylamine
Concen: 12.962 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.15 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

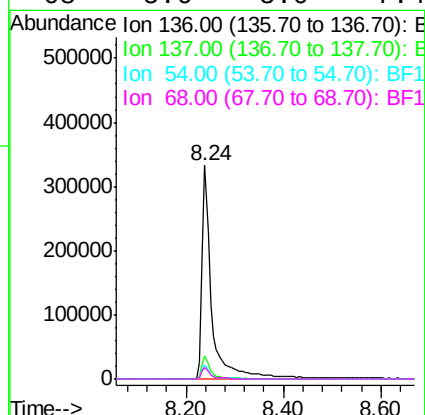
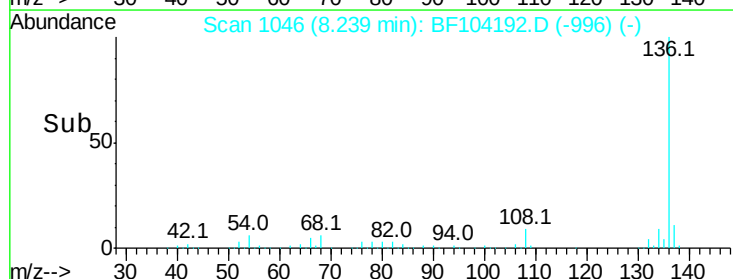
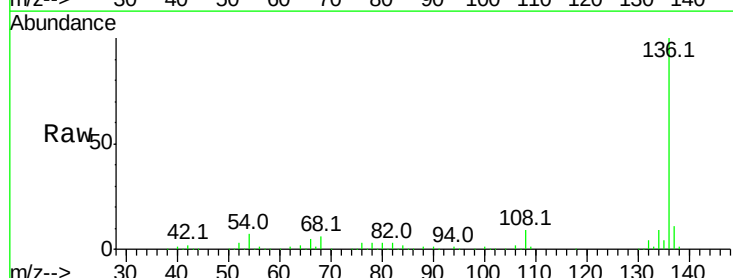
Instrument :
BNA_F
ClientSampled :

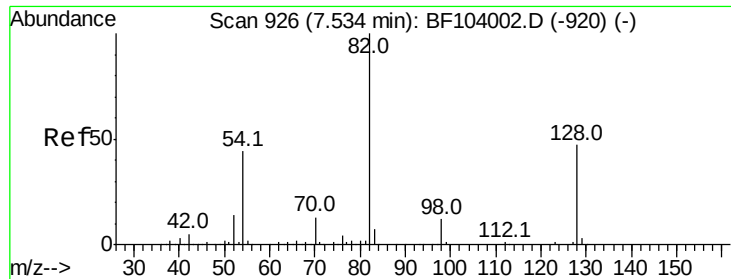
Tot Ion: 70 Resp: 62017
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion: 136 Resp: 467875
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.5 6.6 9.8#
68 5.6 5.0 7.4

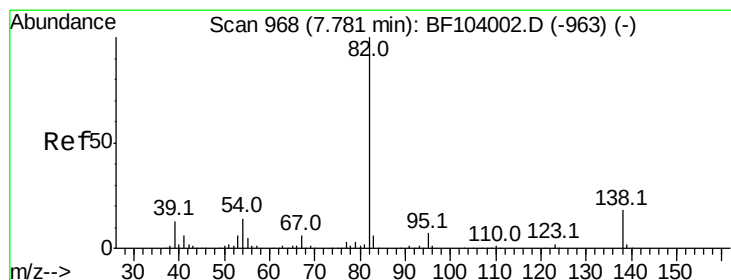
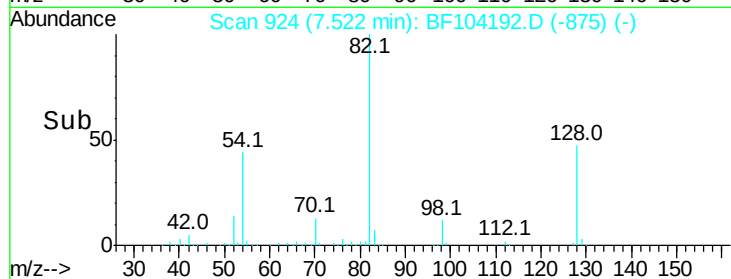
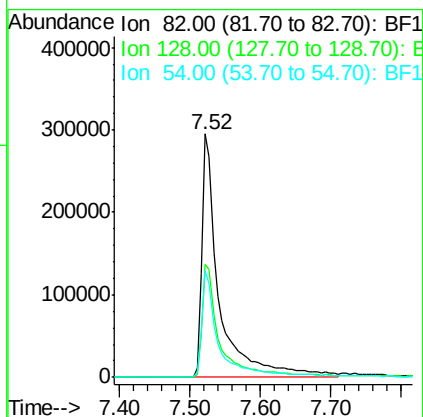
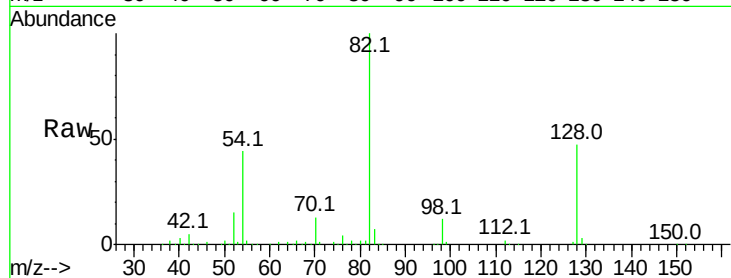




#23
Nitrobenzene-d5
Concen: 67.214 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

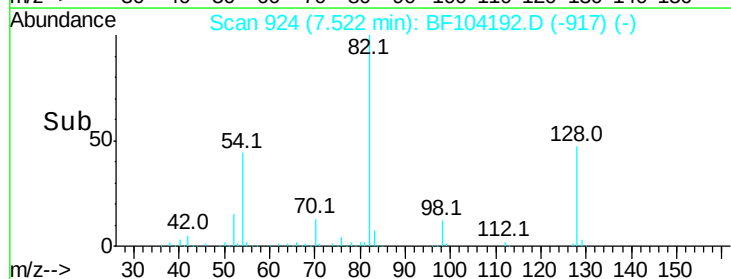
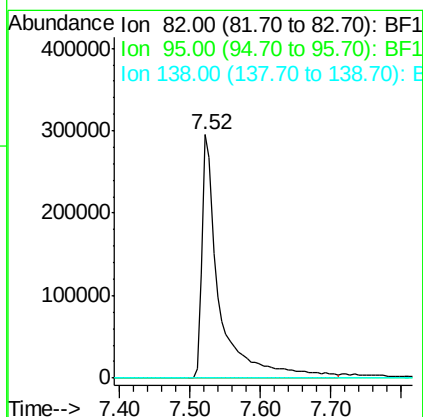
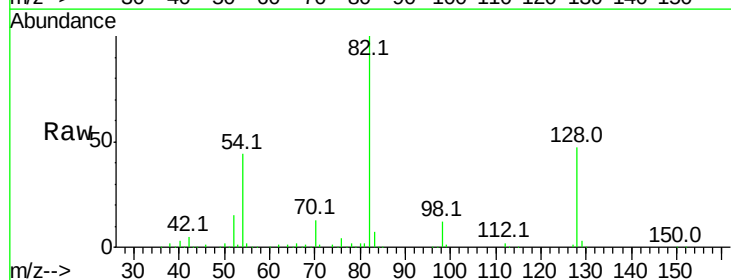
Instrument :
BNA_F
ClientSampleId :

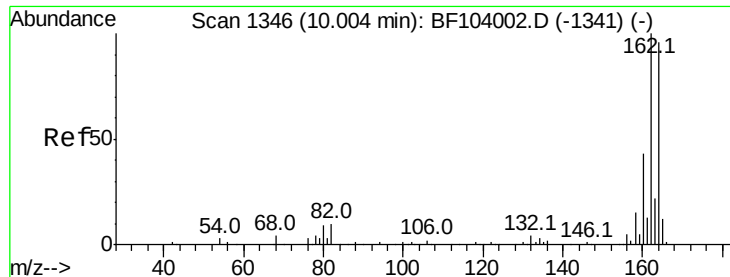
Tot Ion	82	Resp	514226
Ion Ratio	Lower	Upper	
82	100		
128	46.6	36.1	54.1
54	44.0	41.4	62.2



#25
Isophorone
Concen: 36.472 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.26 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	82	Resp	514226
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

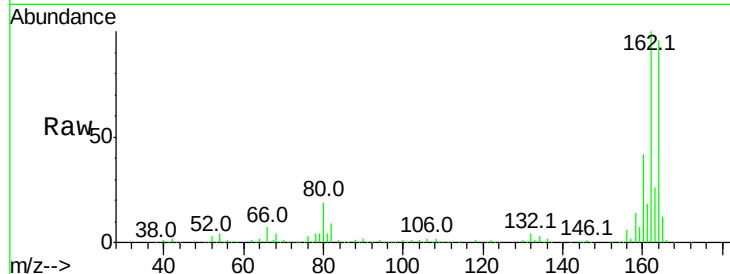




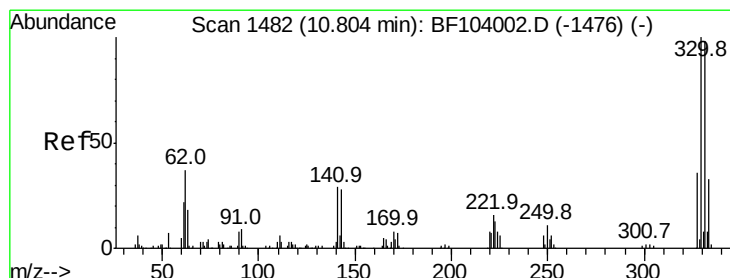
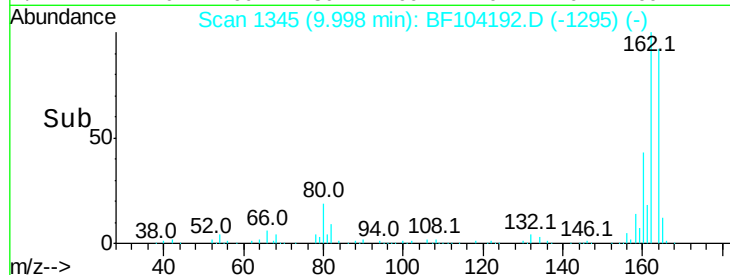
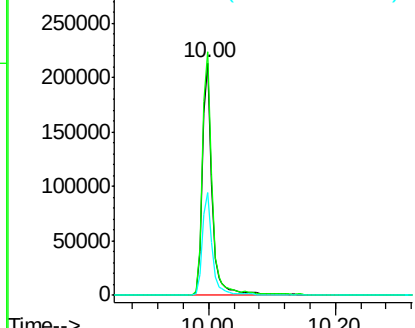
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	44.4	38.3	57.5

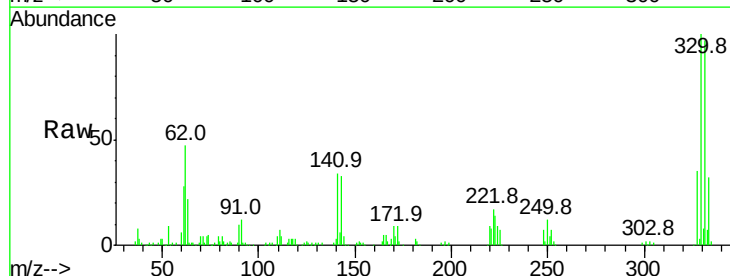


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

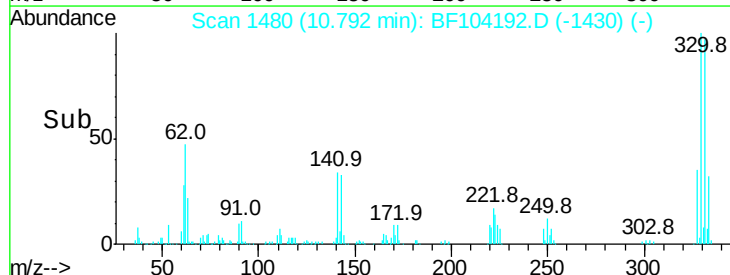
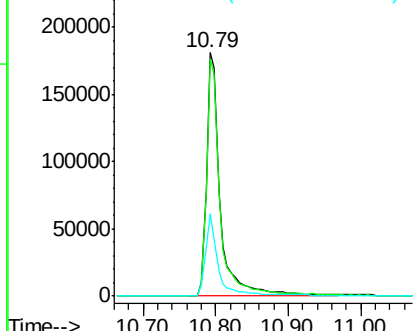


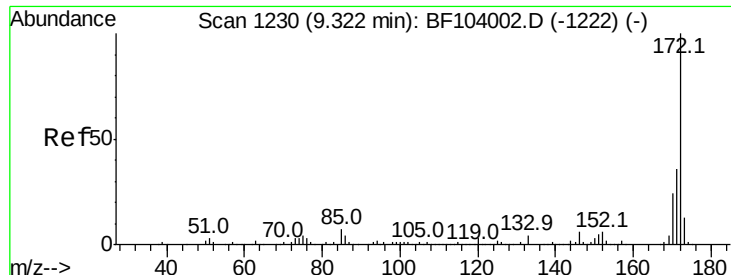
#41
 2,4,6-Tribromophenol
 Concen: 95.525 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	30.0	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

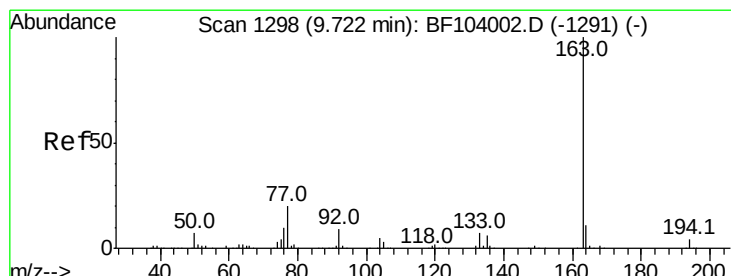
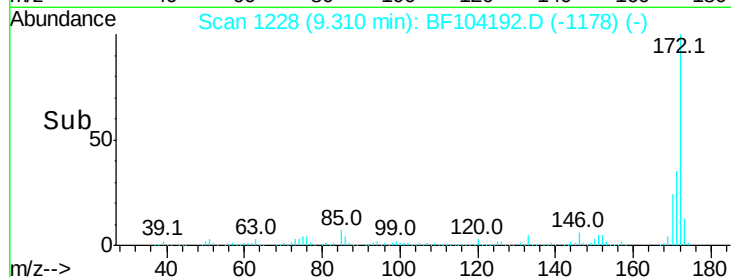
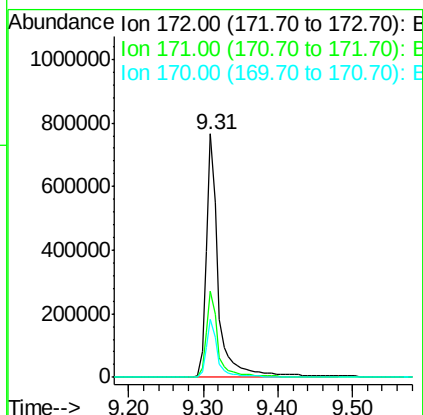
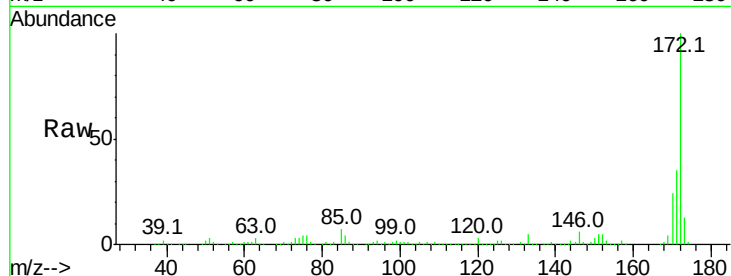




#44
 2-Fluorobiphenyl
 Concen: 60.575 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

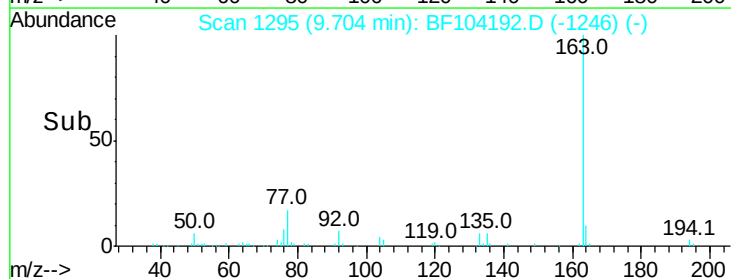
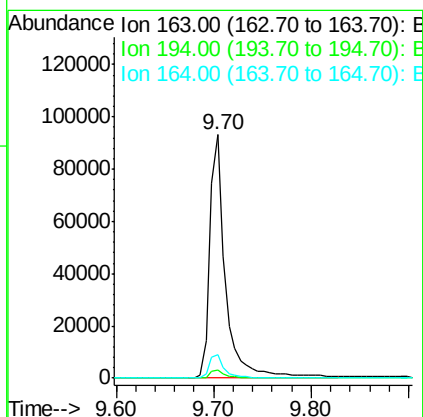
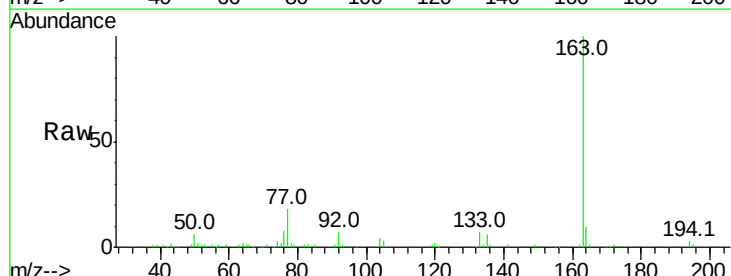
Instrument :
 BNA_F
 ClientSampleId :

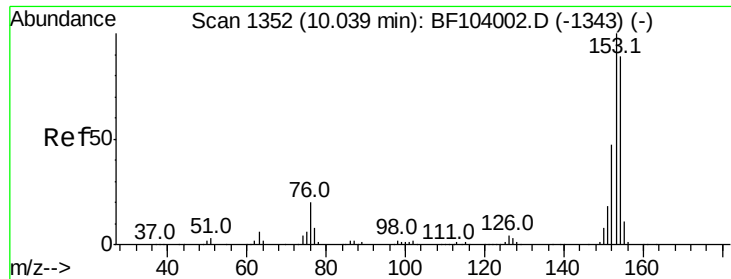
Tot Ion:172 Resp: 871014
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 5.847 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion:163 Resp: 104671
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 9.6 8.2 12.2





#51

Acenaphthene

Concen: 2.399 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampled :

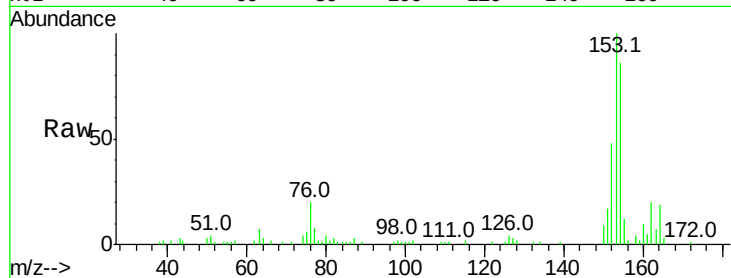
Tot Ion:154 Resp: 32274

Ion Ratio Lower Upper

154 100

153 116.8 91.2 136.8

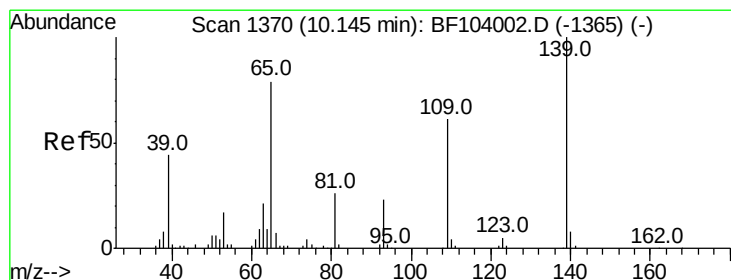
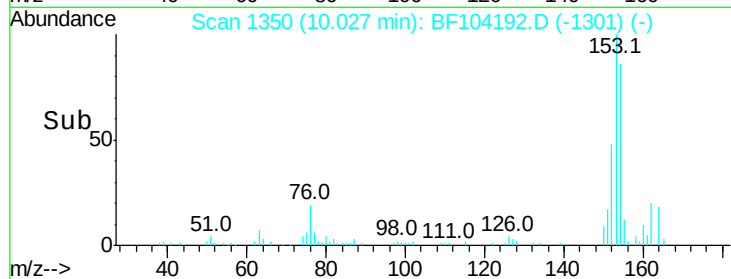
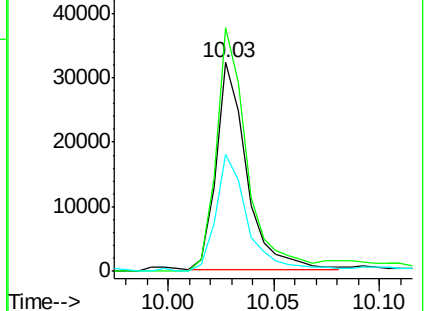
152 56.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 3.585 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.06 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

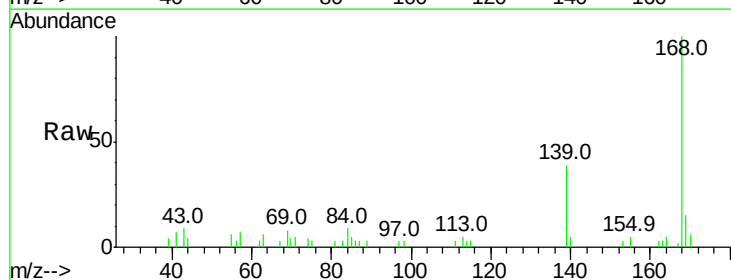
Tgt Ion:139 Resp: 9516

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

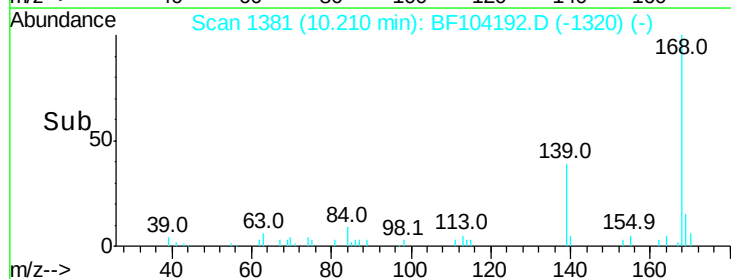
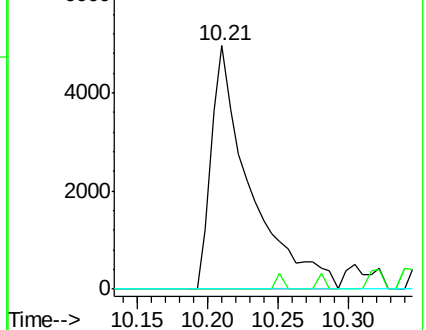
65 0.0 72.6 112.6#

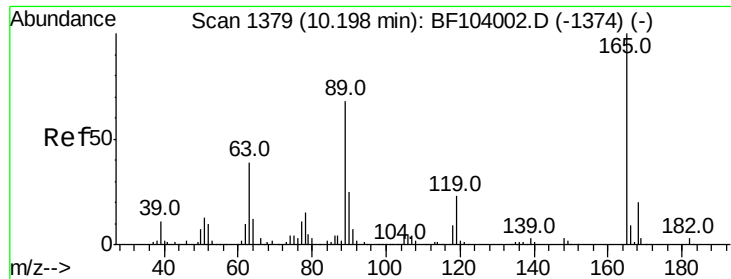


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

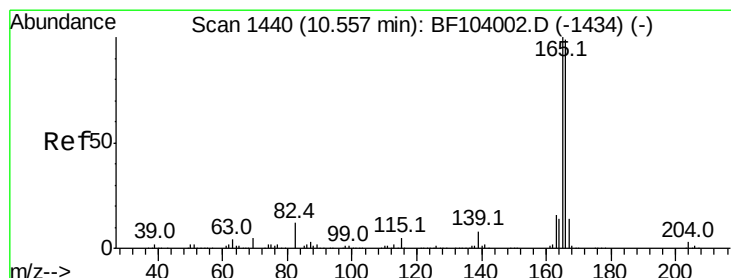
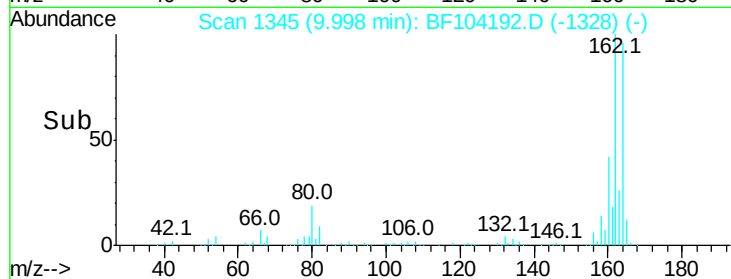
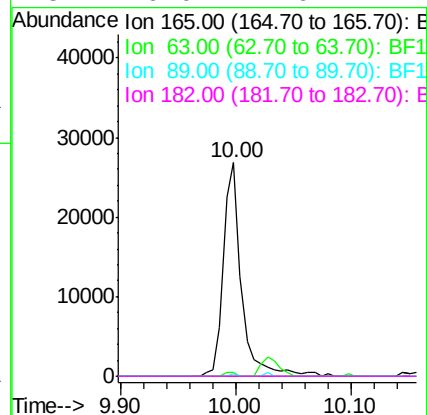
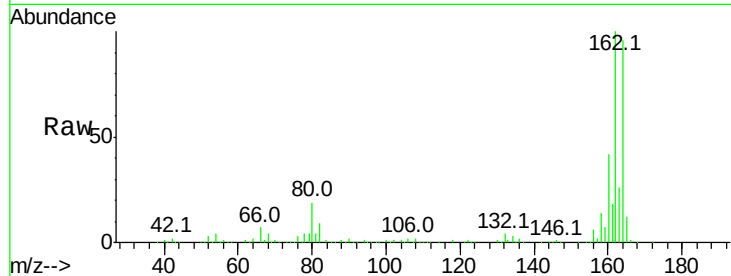




#56
2,4-Dinitrotoluene
Concen: 5.971 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

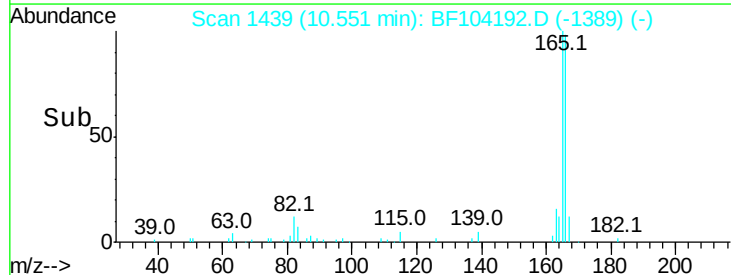
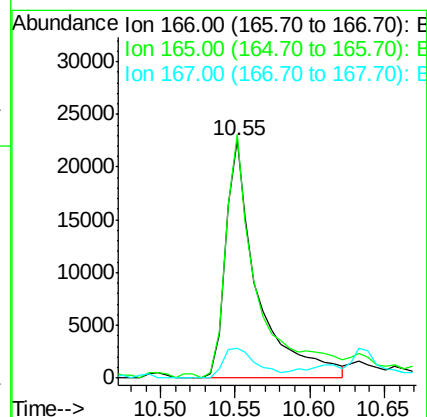
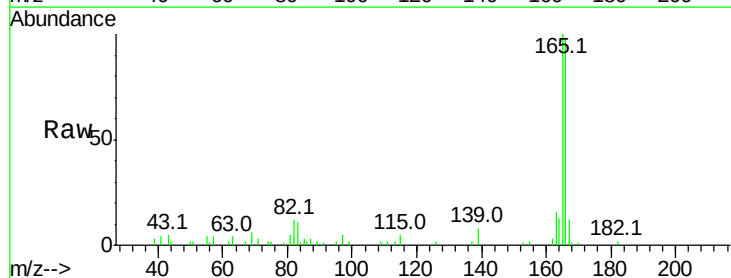
Instrument :
BNA_F
ClientSampleId :

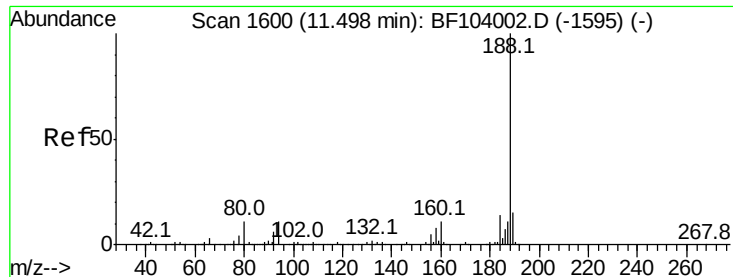
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 2.063 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	12.8	10.6	16.0

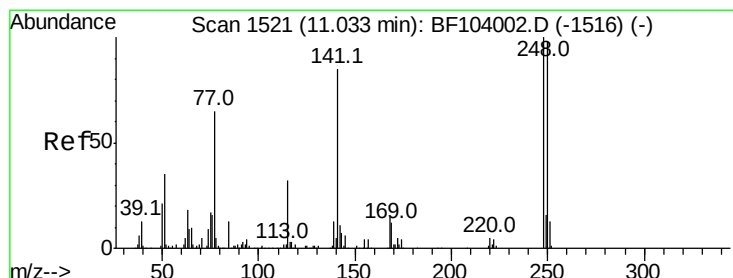
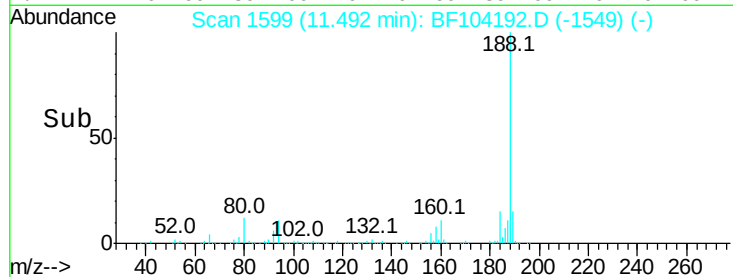
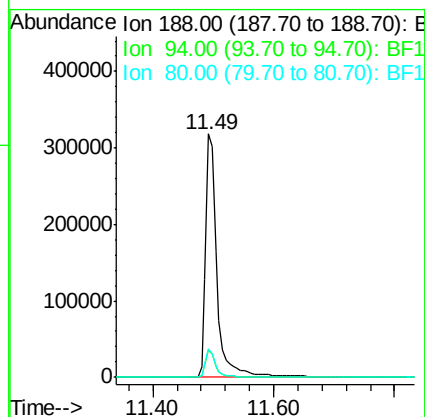
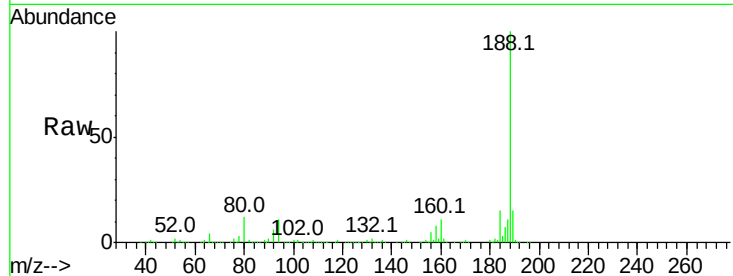




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

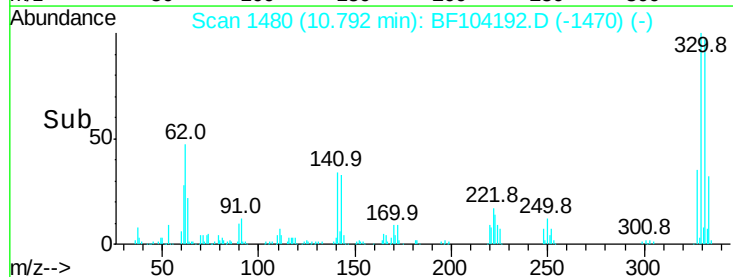
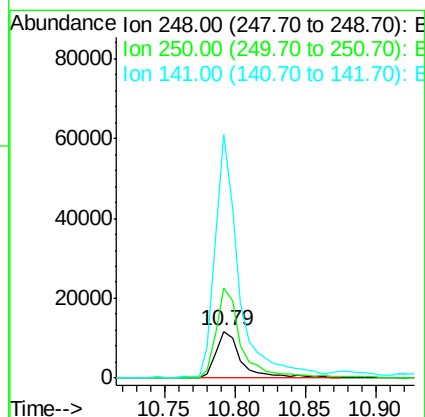
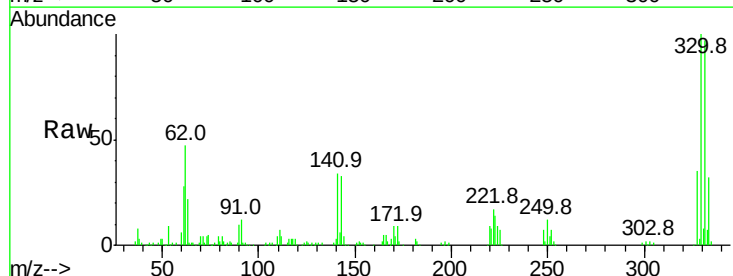
Instrument :
BNA_F
ClientSampleId :

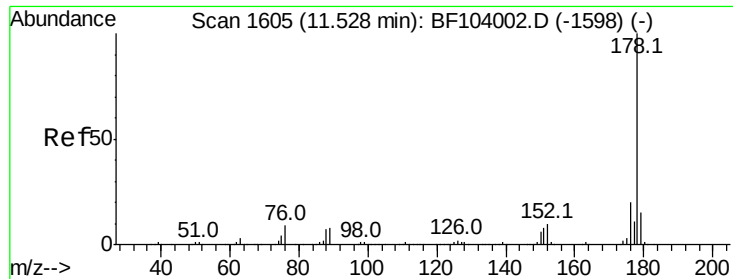
Tot Ion:188 Resp: 417613
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.302 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion:248 Resp: 14754
Ion Ratio Lower Upper
248 100
250 190.9 76.9 115.3#
141 516.9 74.4 111.6#

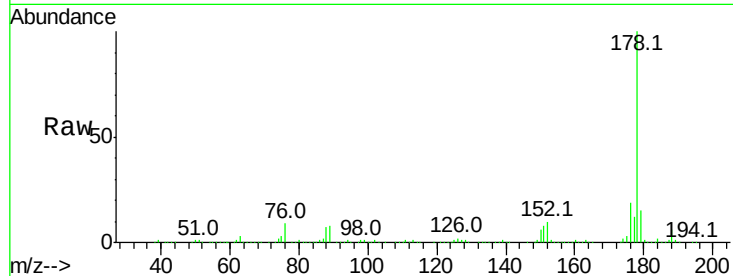




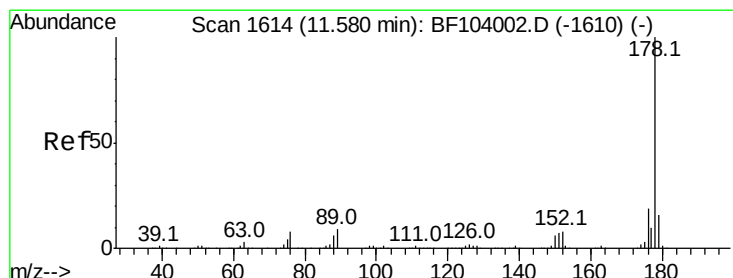
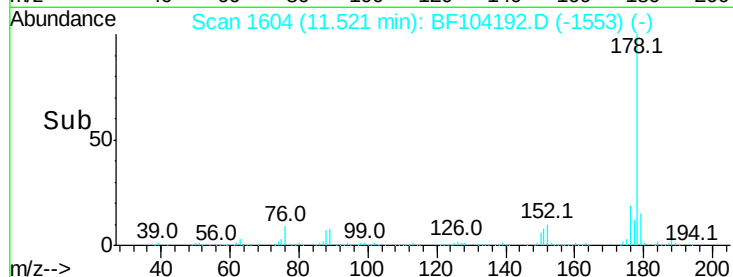
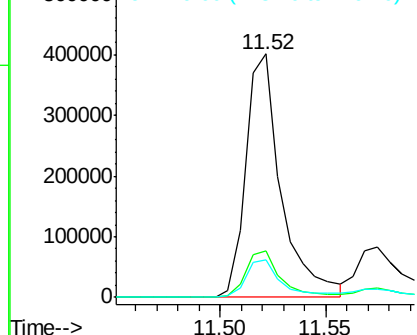
#70
Phenanthrene
Concen: 20.622 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 466263
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.3 13.0 19.6

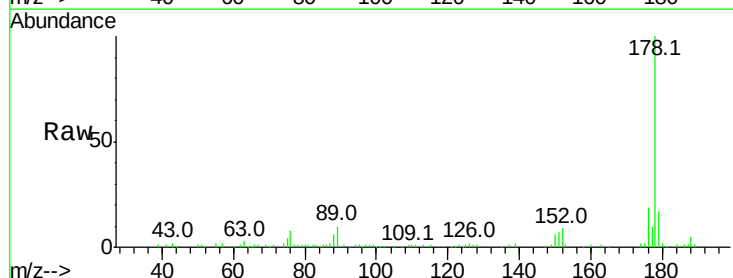


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

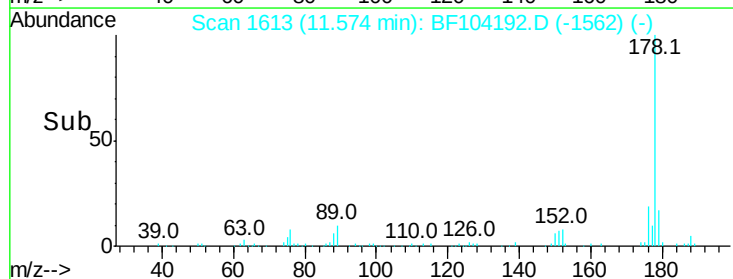
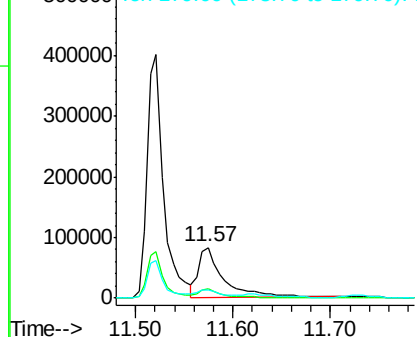


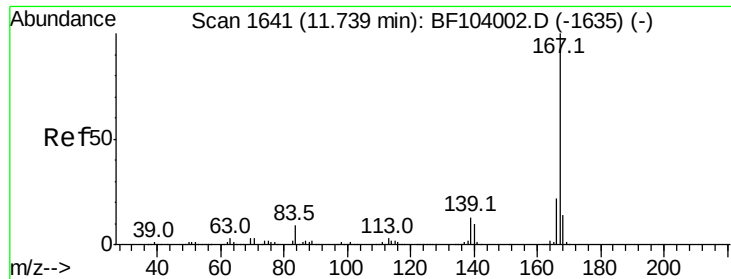
#71
Anthracene
Concen: 6.169 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion:178 Resp: 145704
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.7 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

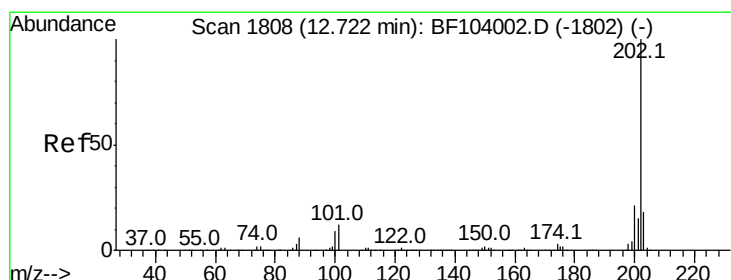
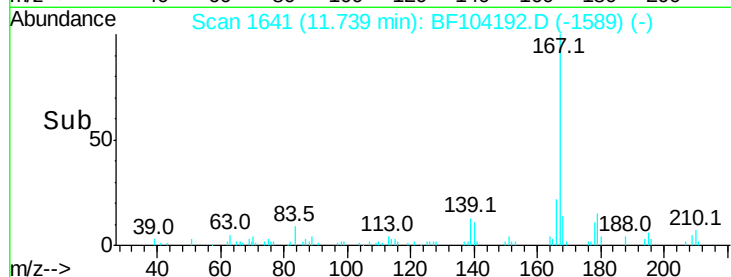
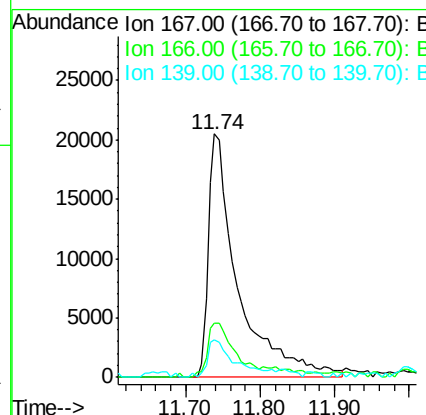
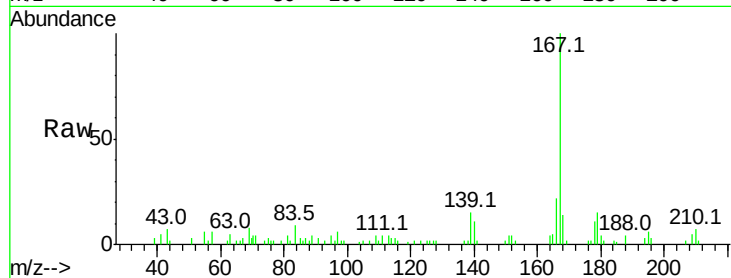




#72
 Carbazole
 Concen: 2.526 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

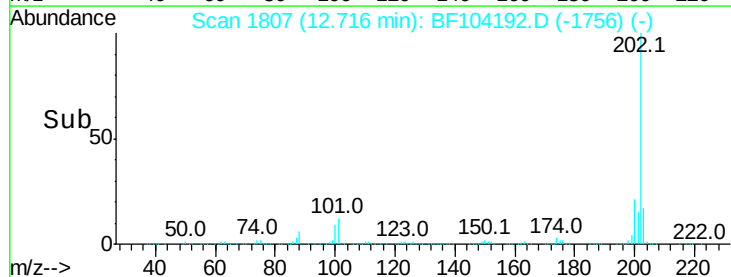
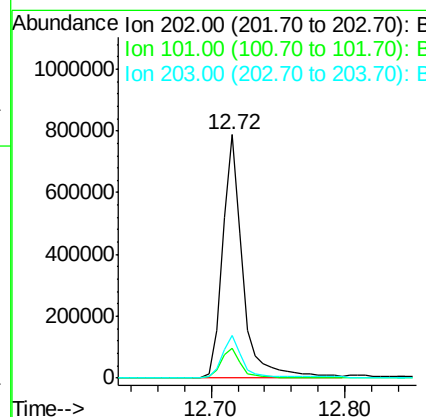
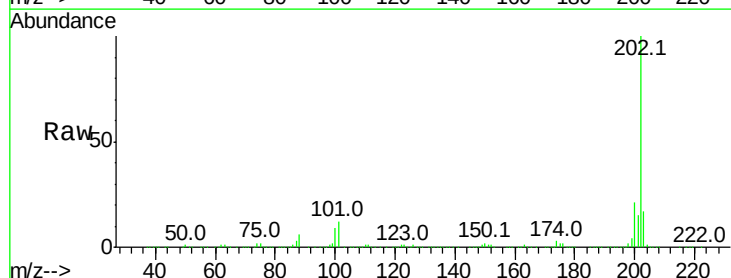
Instrument :
 BNA_F
 ClientSampled :

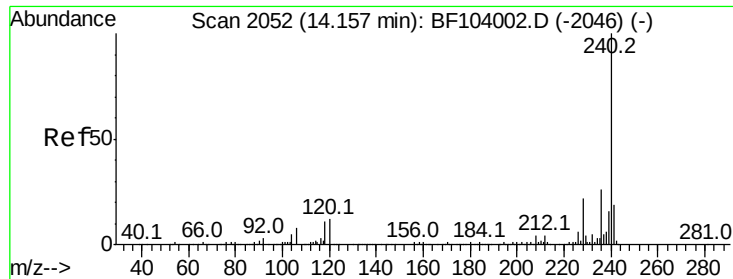
Tot Ion:167 Resp: 56939
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 15.5 10.9 16.3



#74
 Fluoranthene
 Concen: 34.873 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion:202 Resp: 838123
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

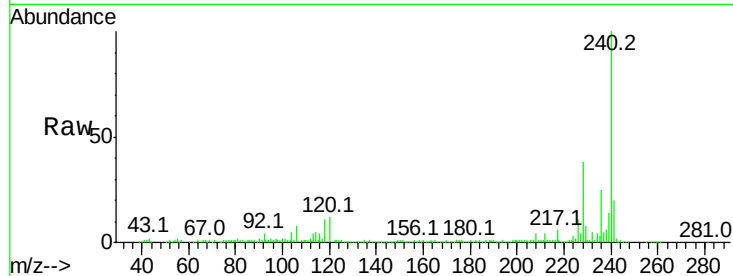
Tot Ion:240 Resp: 292891

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

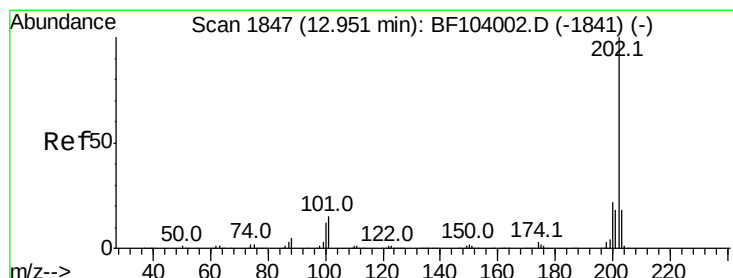
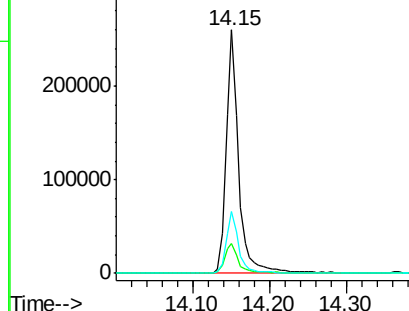
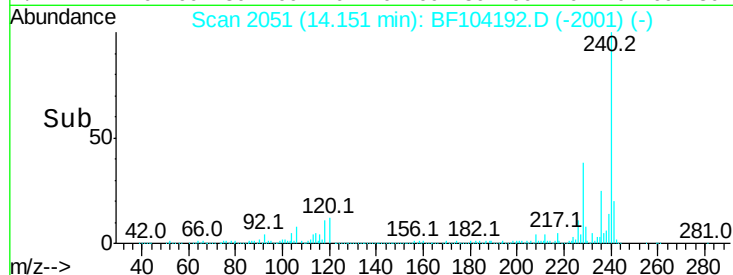
236 25.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 34.549 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

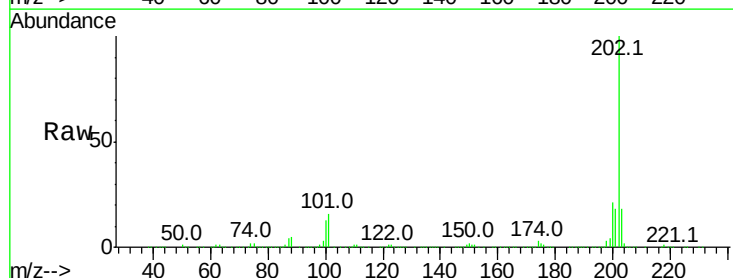
Tgt Ion:202 Resp: 727429

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

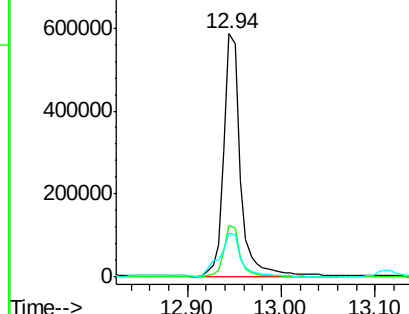
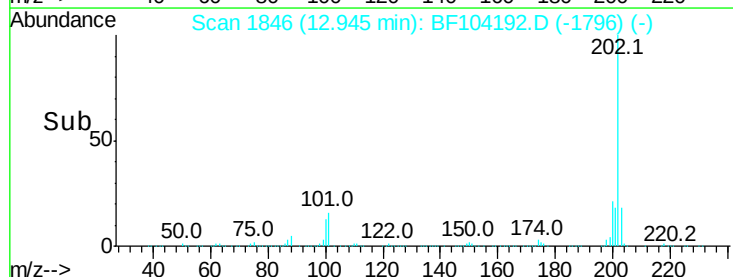
203 18.3 14.3 21.5

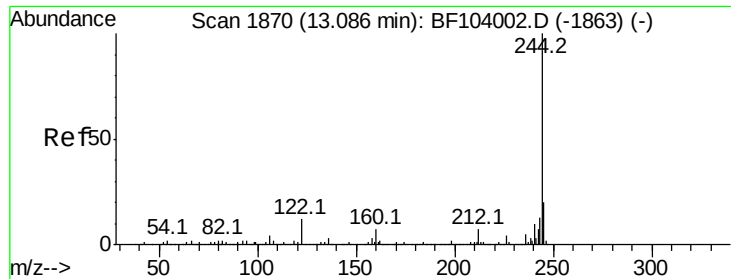


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.302 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

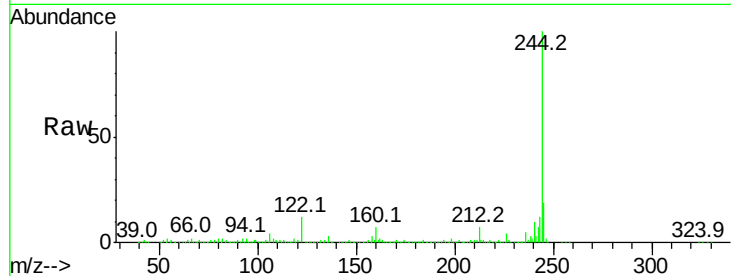
Tot Ion:244 Resp: 891778

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

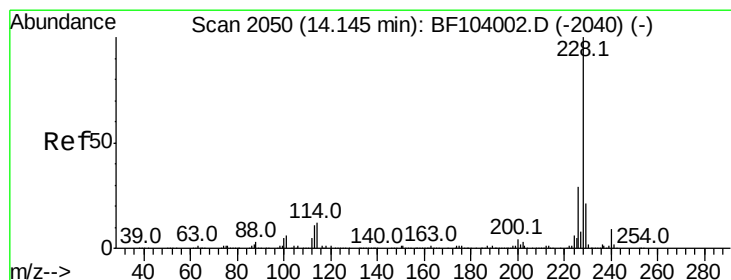
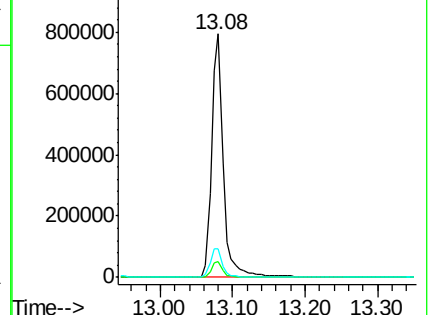
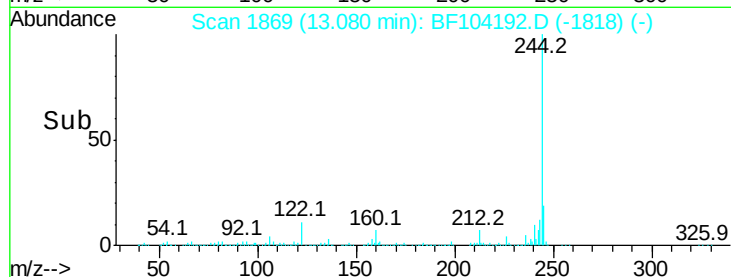
122 11.5 11.0 16.4



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: 17.490 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

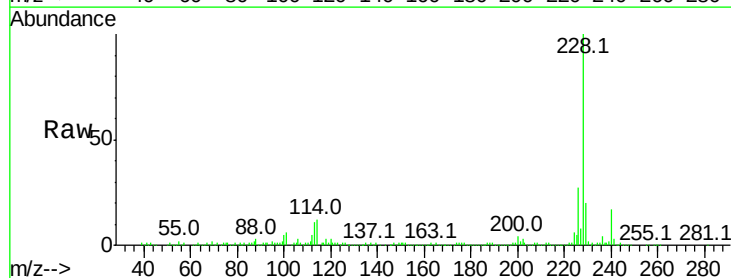
Tgt Ion:228 Resp: 320537

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

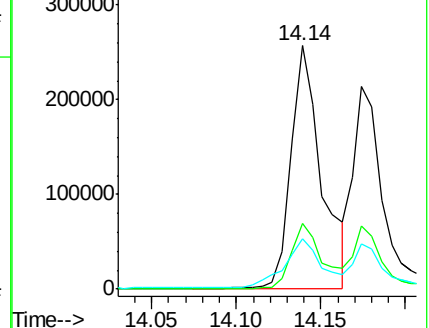
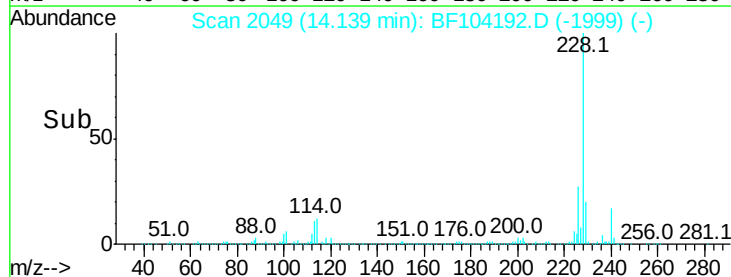
229 20.4 15.8 23.6

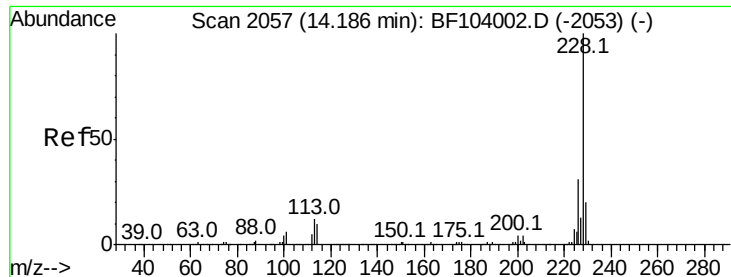


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.661 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

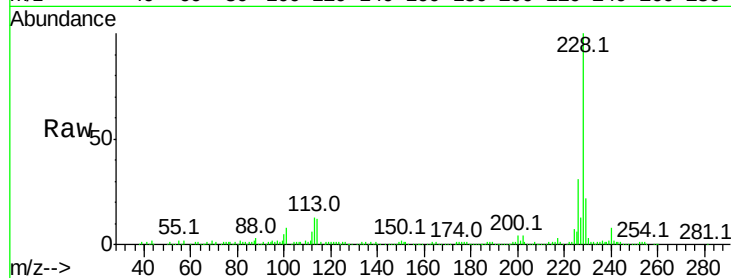
Tot Ion:228 Resp: 263158

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

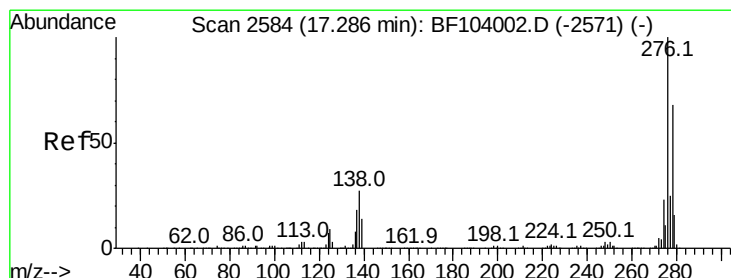
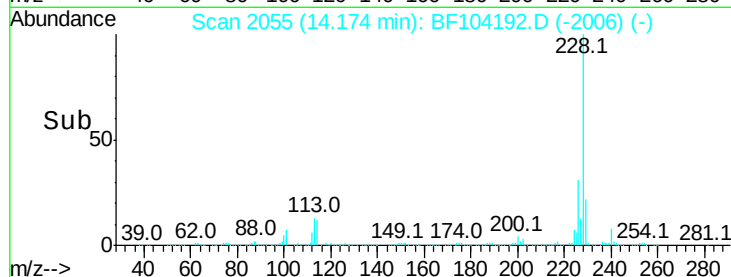
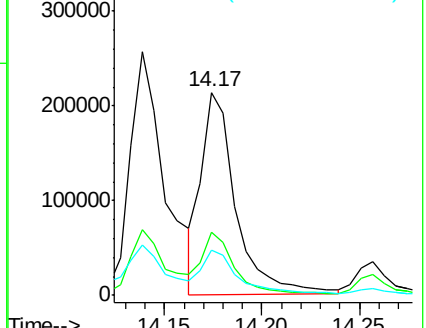
229 22.2 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.727 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.02 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

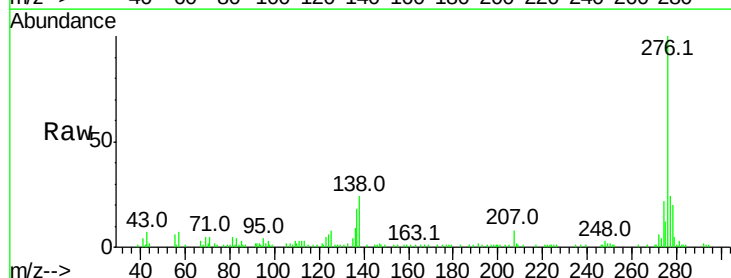
Tgt Ion:276 Resp: 125137

Ion Ratio Lower Upper

276 100

138 22.9 25.0 37.6#

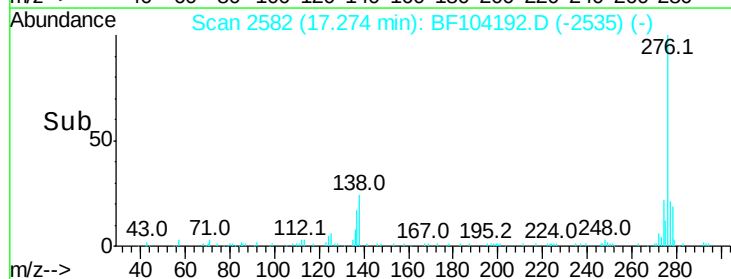
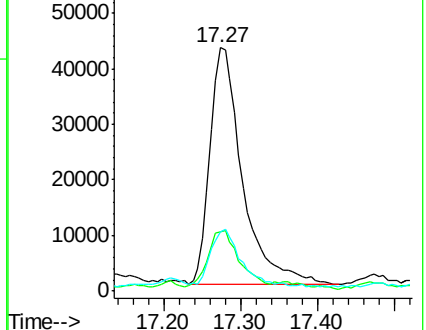
277 23.4 20.1 30.1

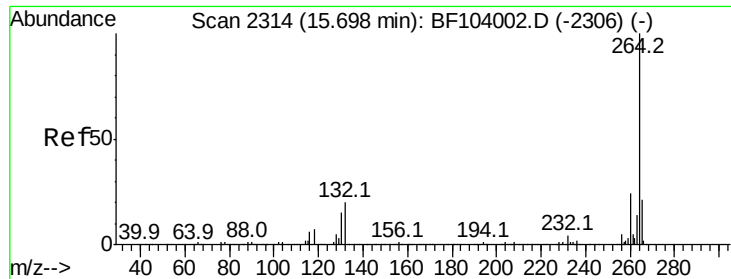


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

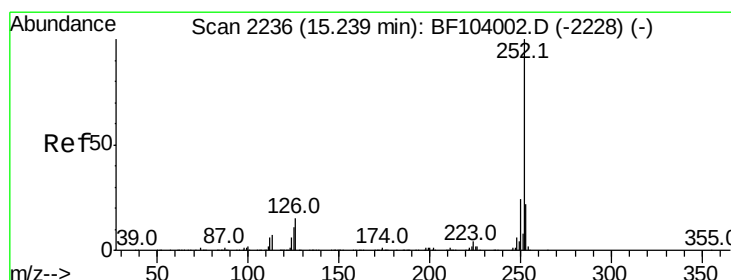
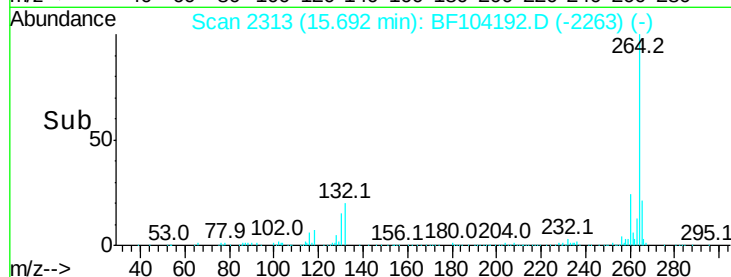
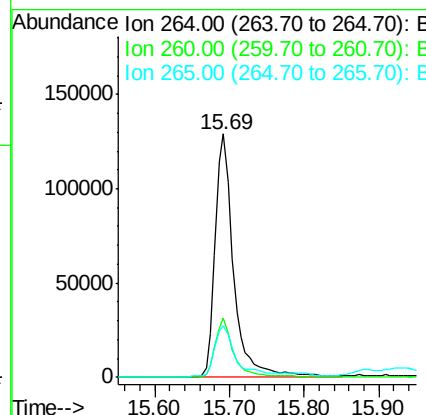
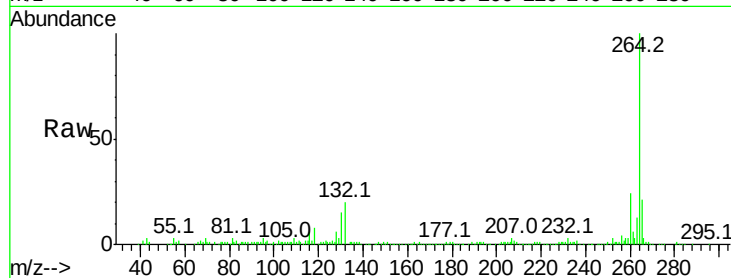




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

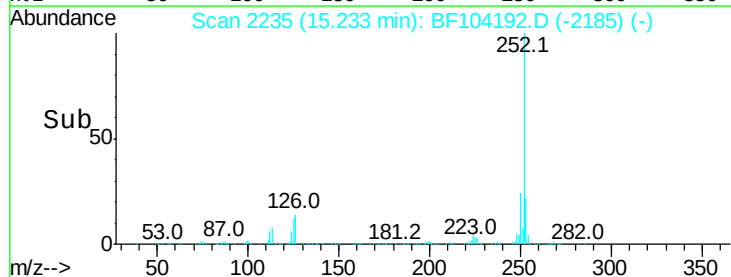
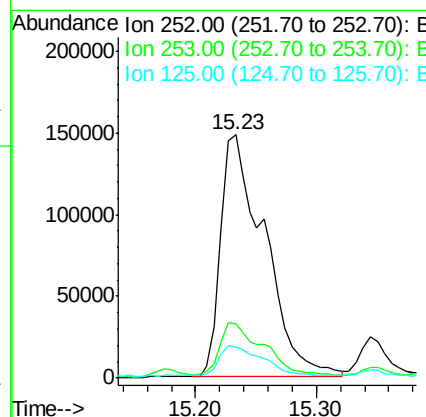
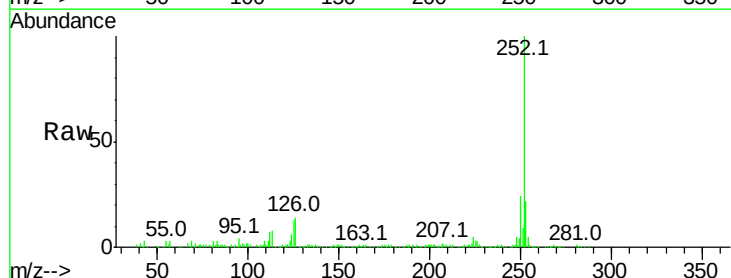
Instrument :
BNA_F
ClientSampleId :

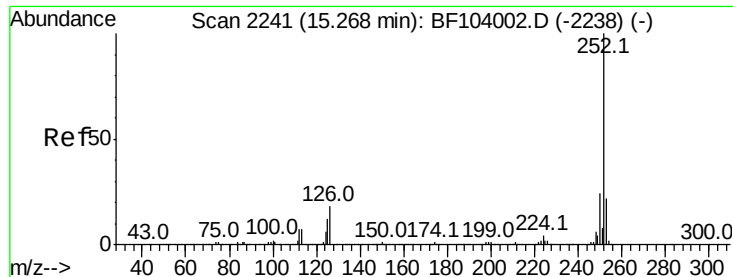
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 27.294 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 28.974 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.04 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

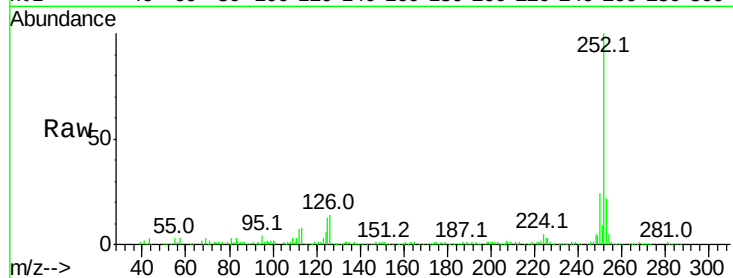
Tot Ion:252 Resp: 371970

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

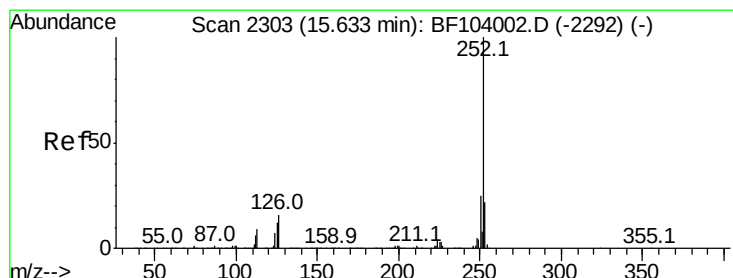
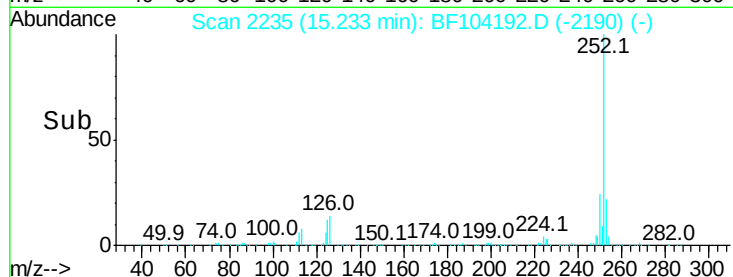
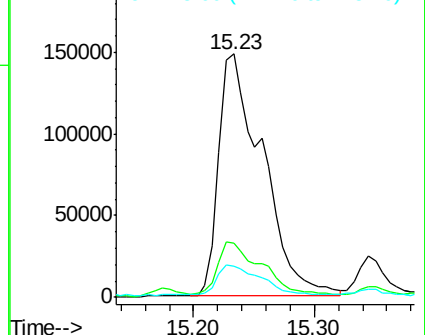
125 12.9 10.2 15.2



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: 15.556 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

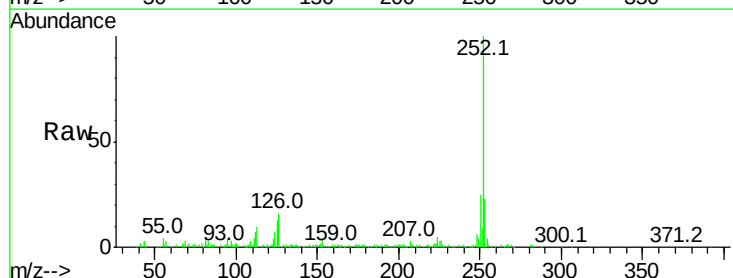
Tgt Ion:252 Resp: 196462

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

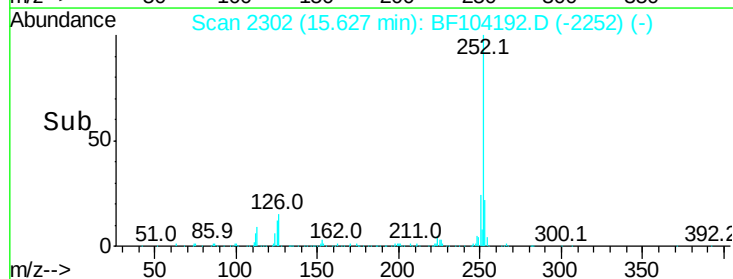
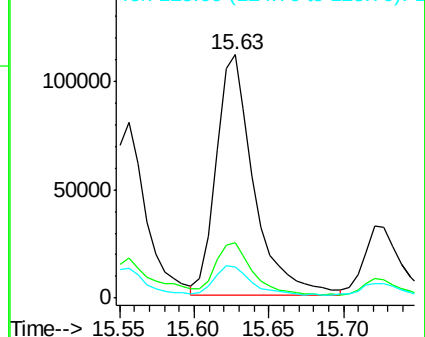
125 13.0 9.8 14.6

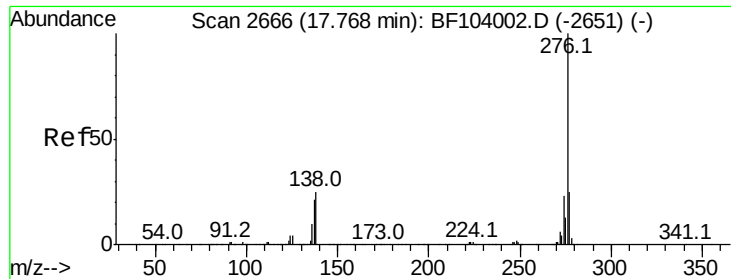


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 10.227 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

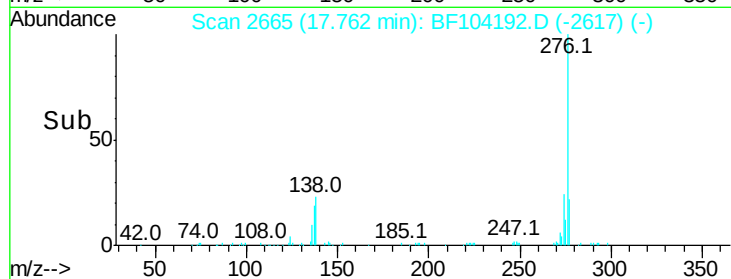
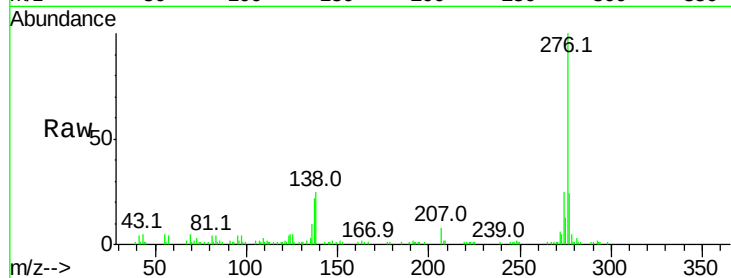
Tot Ion:276 Resp: 119610

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 25.4 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

