

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104024.D
 Acq On : 28 Mar 2018 21:36
 Operator : JU/SJ
 Sample : J2088-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:53:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	127564	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	479280	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	171657	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	155529	20.00	ng	0.02
75) Chrysene-d12	14.20	240	179947	20.00	ng	0.04
86) Perylene-d12	15.73	264	228306	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	74410	9.30	ng	0.01
7) Phenol-d6	6.61	99	127558	12.96	ng	0.00
23) Nitrobenzene-d5	7.53	82	77311	9.86	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	19032	9.96	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	144233	13.25	ng	0.00
78) Terphenyl-d14	13.12	244	52159	6.69	ng	0.04

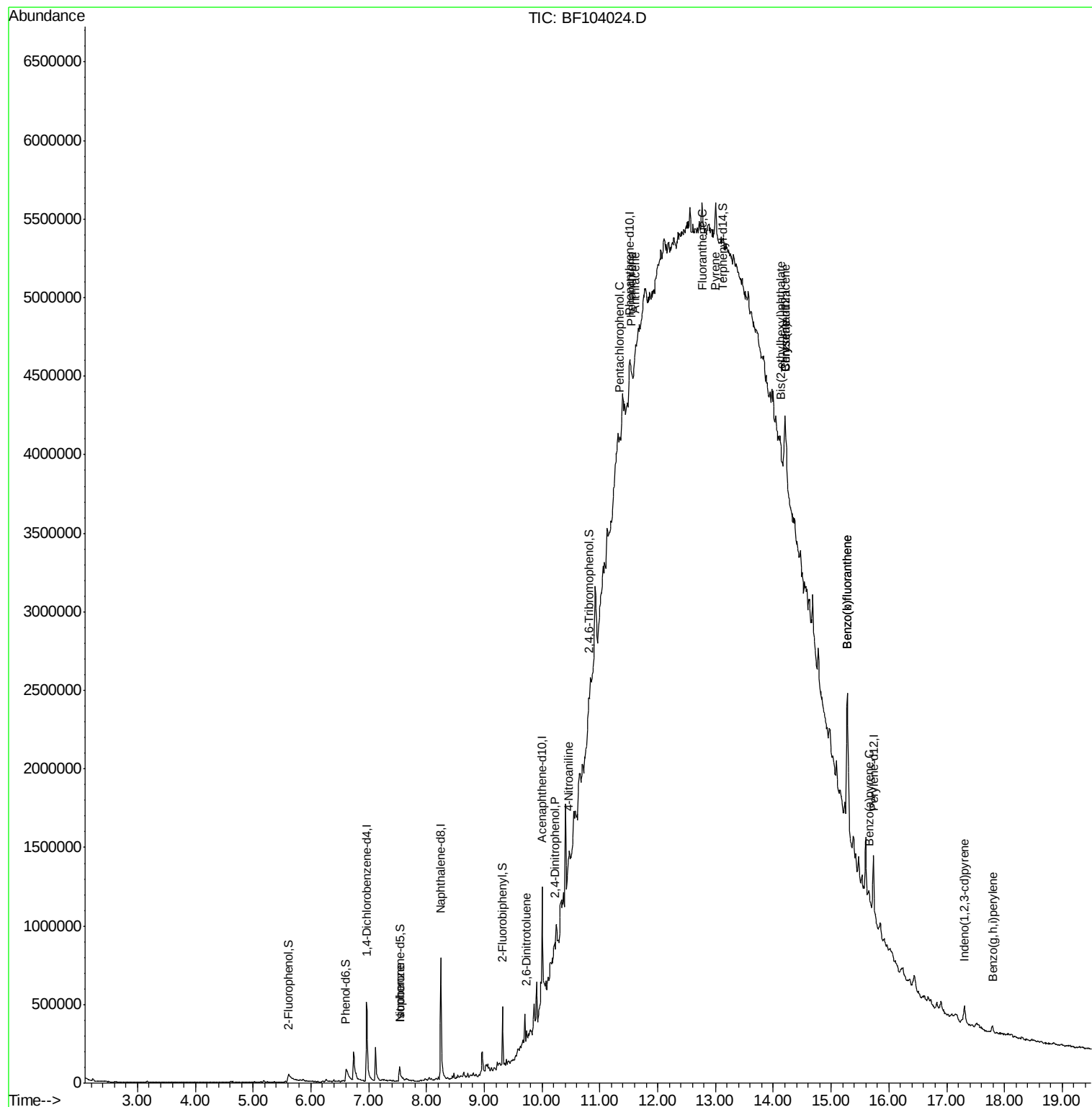
Target Compounds				Qvalue		
25) Isophorone	7.53	82	77311	5.353	ng	# 64
50) 2,6-Dinitrotoluene	9.74	165	6781	2.326	ng	# 68
53) 2,4-Dinitrophenol	10.22	184	141	5.675	ng	# 1
61) 4-Nitroaniline	10.46	138	10047	3.203	ng	# 89
69) Pentachlorophenol	11.33	266	2970	2.820	ng	# 12
70) Phenanthrene	11.54	178	73727	8.756	ng	# 52
71) Anthracene	11.60	178	94965	10.797	ng	# 68
74) Fluoranthene	12.77	202	582345	65.062	ng	# 95
77) Pyrene	13.00	202	596120	46.084	ng	# 97
80) Benzo(a)anthracene	14.21	228	434087	38.553	ng	# 94
82) Chrysene	14.21	228	434087	39.361	ng	# 97
83) Bis(2-ethylhexyl)phthalate	14.13	149	40505	5.144	ng	# 83
85) Indeno(1,2,3-cd)pyrene	17.31	276	80116	7.010	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	740337	53.283	ng	# 93
88) Benzo(k)fluoranthene	15.28	252	740337	56.563	ng	# 96
89) Benzo(a)pyrene	15.66	252	35675	2.771	ng	# 50
91) Benzo(a,h,i)perylene	17.79	276	42753	3.585	ng	# 92

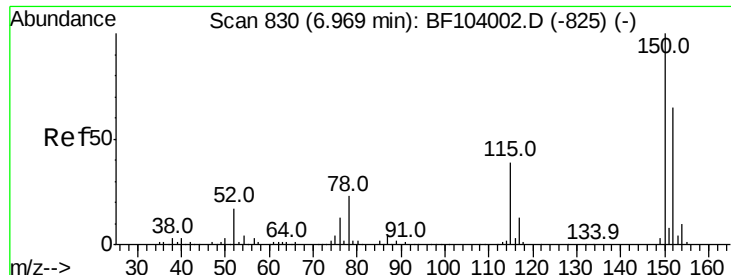
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104024.D
Acq On : 28 Mar 2018 21:36
Operator : JU/SJ
Sample : J2088-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 29 01:53:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration



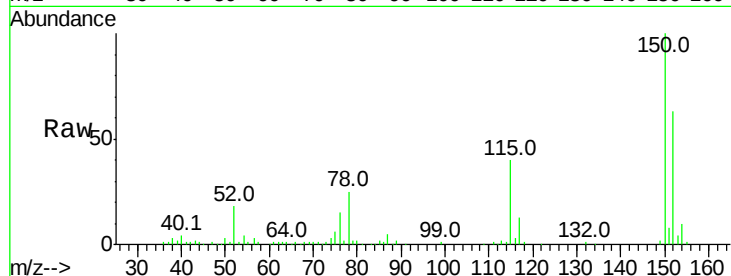


#1

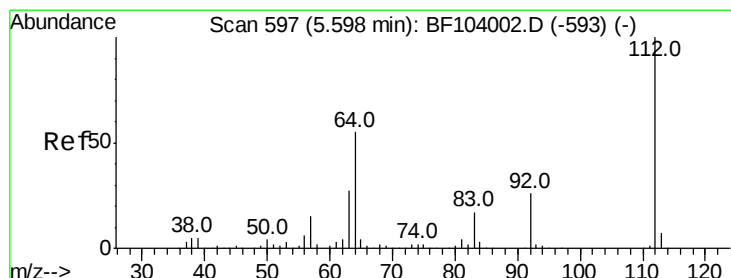
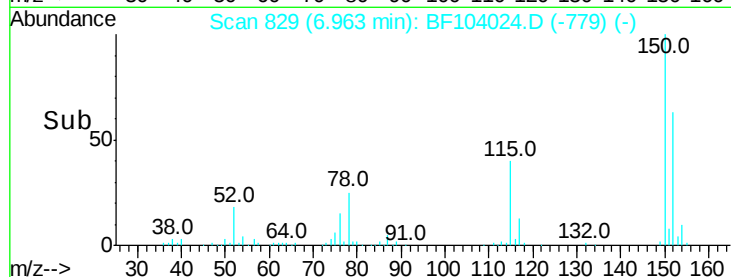
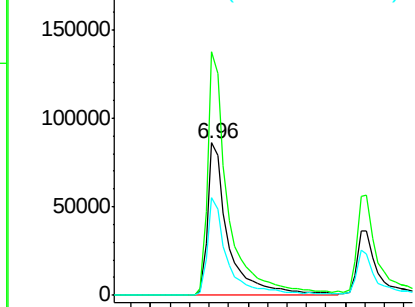
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 127564
 Ion Ratio Lower Upper
 152 100
 150 159.5 124.6 186.8
 115 64.1 50.1 75.1



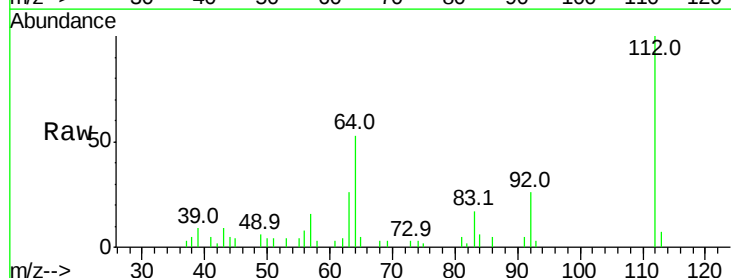
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



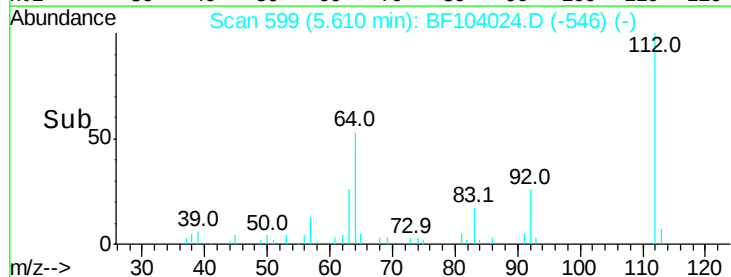
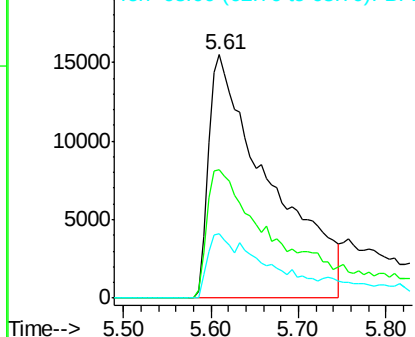
#5

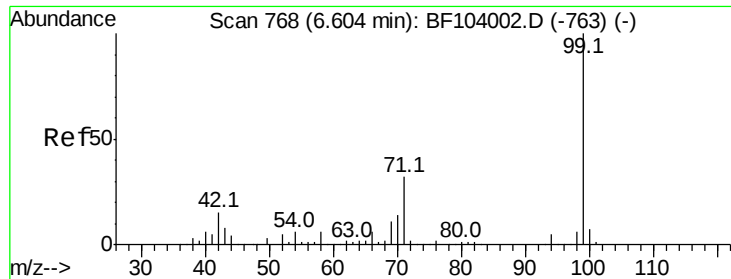
2-Fluorophenol
 Concen: 9.302 ng
 RT: 5.61 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion:112 Resp: 74410
 Ion Ratio Lower Upper
 112 100
 64 53.0 47.9 71.9
 63 26.5 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: 12.962 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampleId :

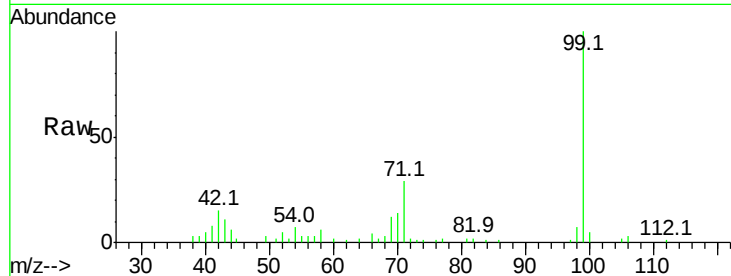
Tot Ion: 99 Resp: 127558

Ion Ratio Lower Upper

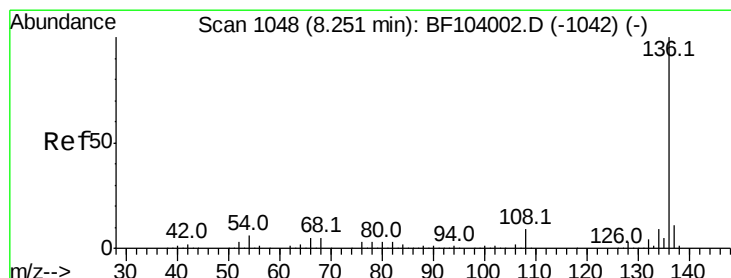
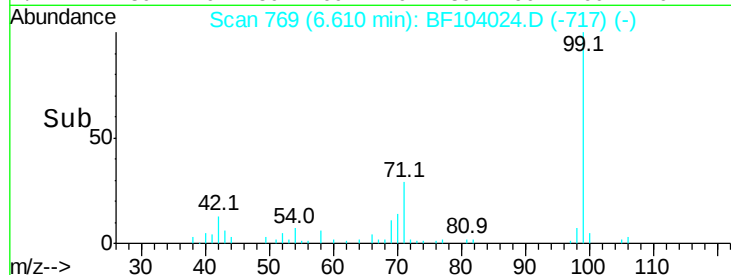
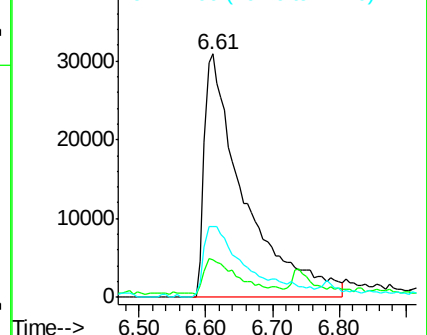
99 100

42 15.4 14.5 21.7

71 29.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Tgt Ion: 136 Resp: 479280

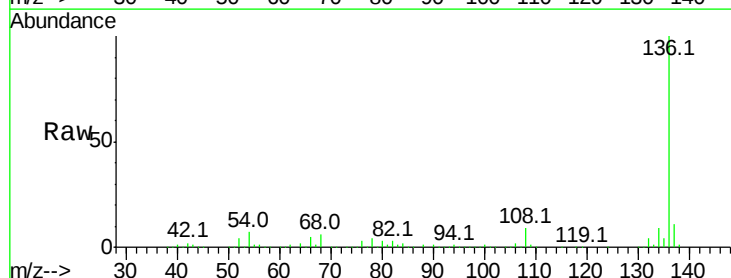
Ion Ratio Lower Upper

136 100

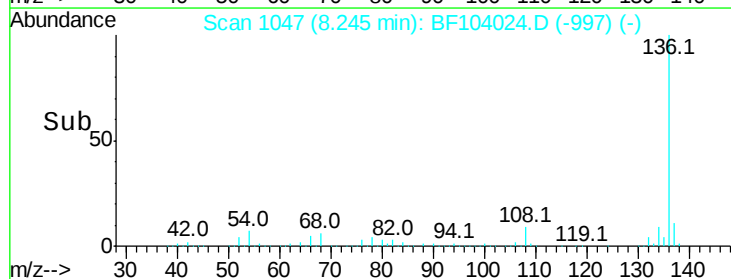
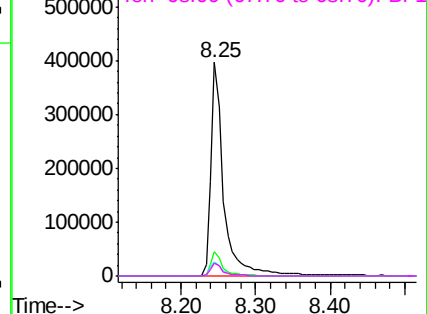
137 11.2 8.9 13.3

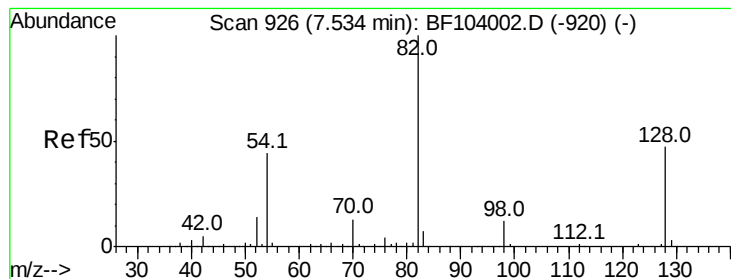
54 6.6 6.6 9.8

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: 9.865 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampled :

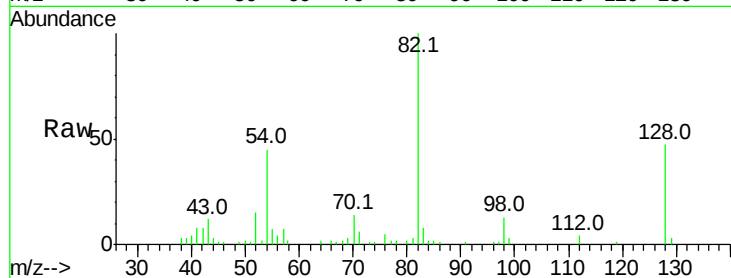
Tot Ion: 82 Resp: 77311

Ion Ratio Lower Upper

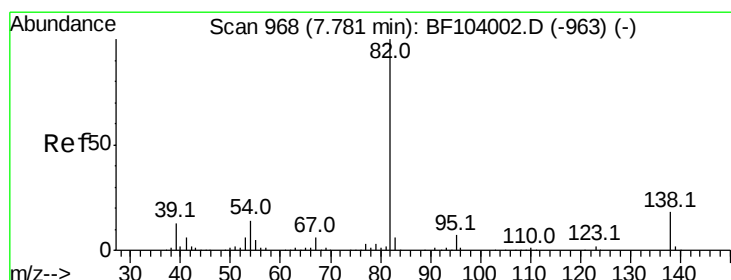
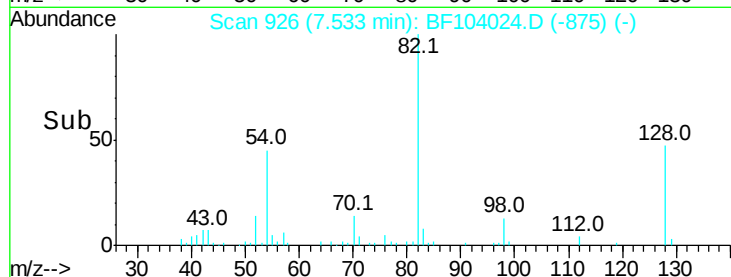
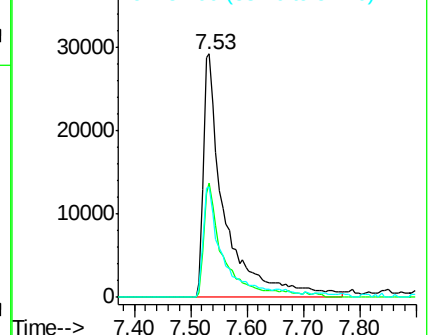
82 100

128 46.8 36.1 54.1

54 45.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 5.353 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

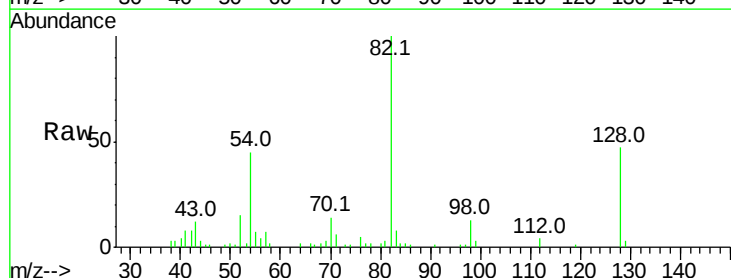
Tgt Ion: 82 Resp: 77311

Ion Ratio Lower Upper

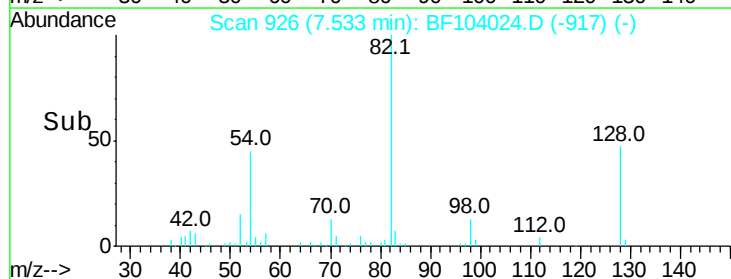
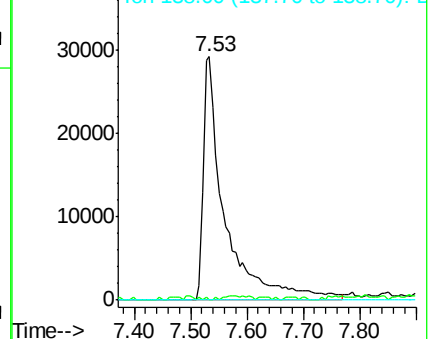
82 100

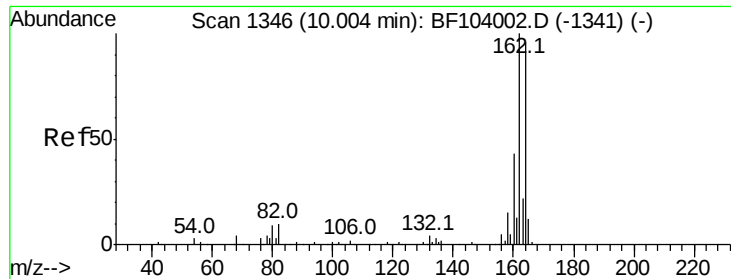
95 0.0 5.2 7.8#

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

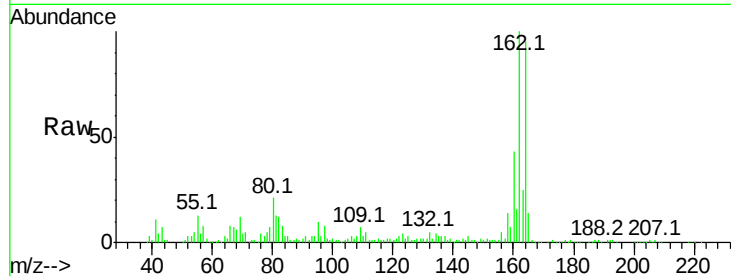




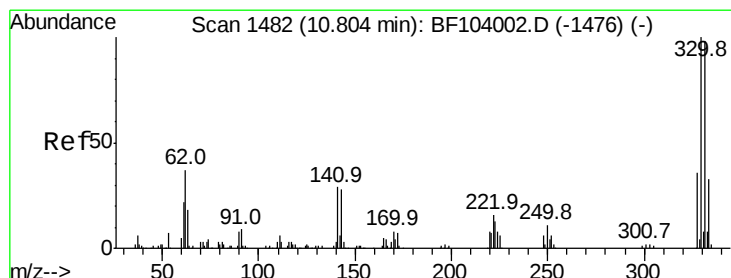
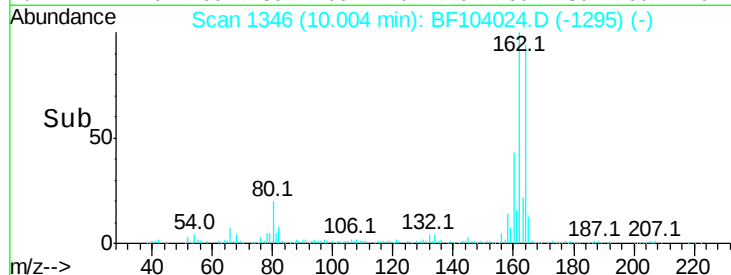
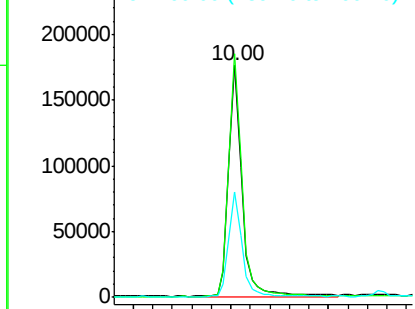
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 171657
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 45.3 38.3 57.5

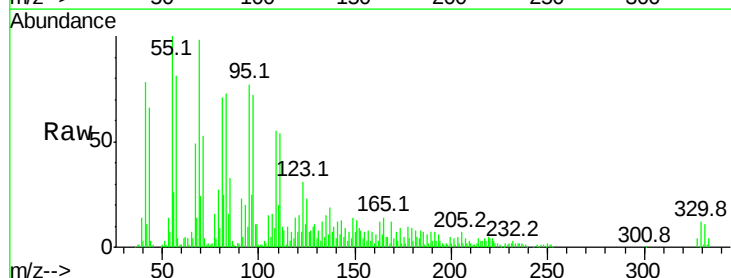


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

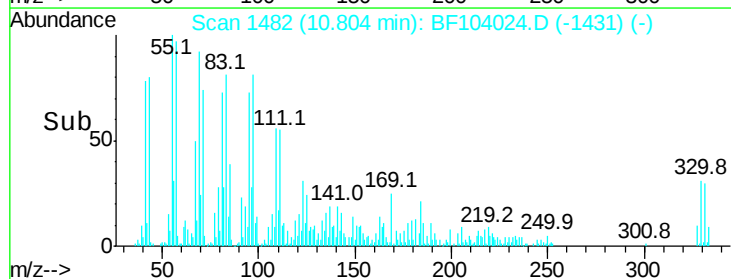
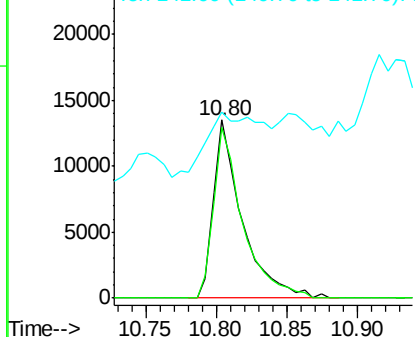


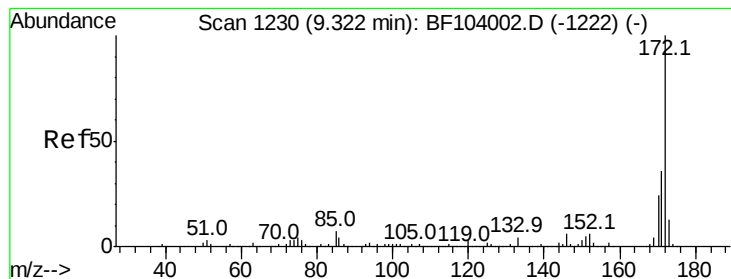
#41
 2,4,6-Tribromophenol
 Concen: 9.957 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion:330 Resp: 19032
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 63.1 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: 13.250 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampleId :

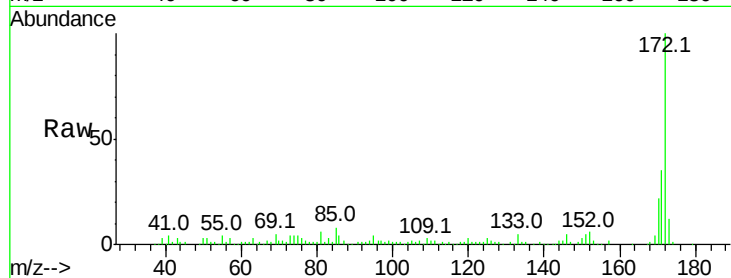
Tot Ion:172 Resp: 144233

Ion Ratio Lower Upper

172 100

171 34.6 29.7 44.5

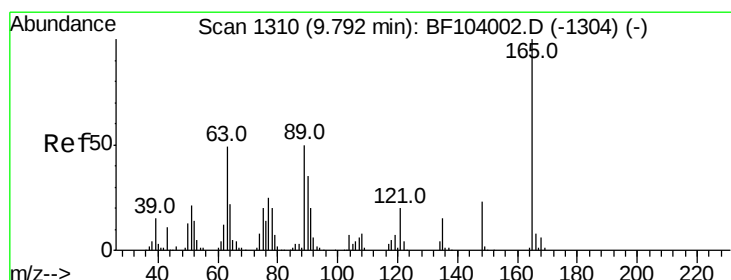
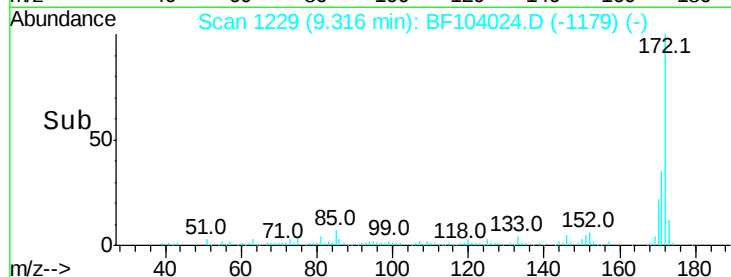
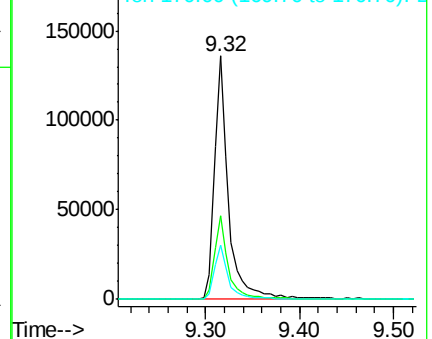
170 22.0 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 2.326 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.05 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

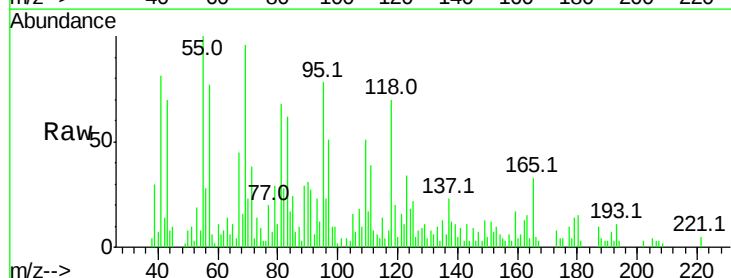
Tgt Ion:165 Resp: 6781

Ion Ratio Lower Upper

165 100

63 43.0 44.7 67.1#

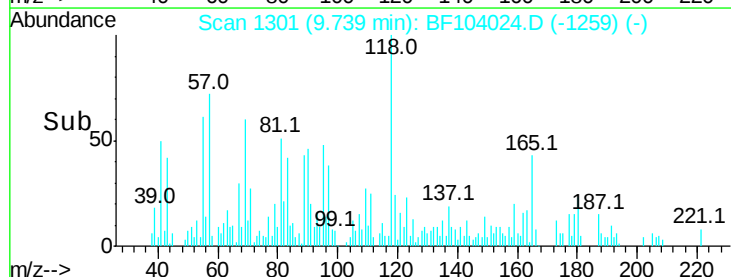
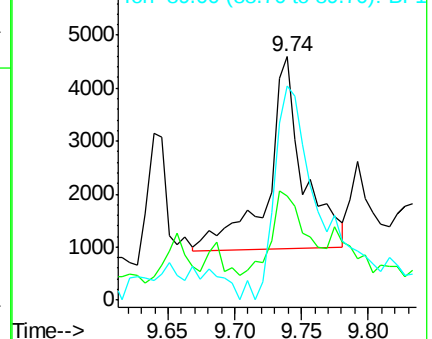
89 88.1 44.0 66.0#

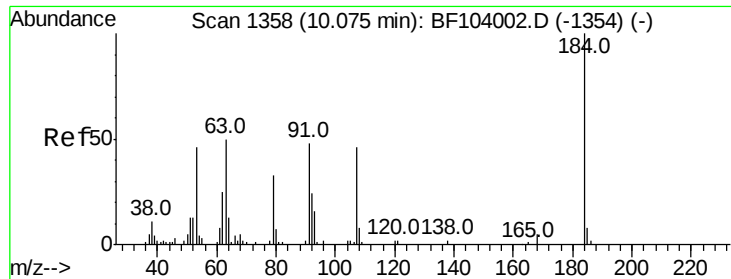


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

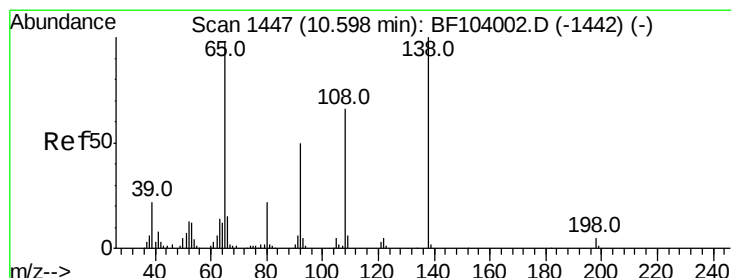
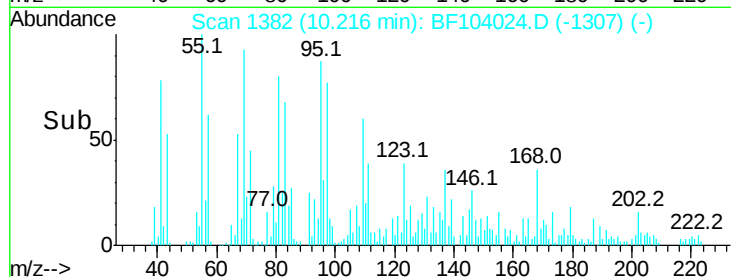
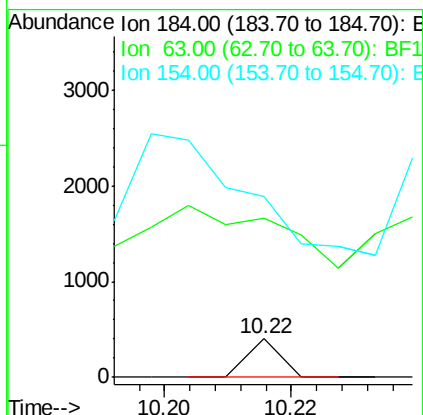
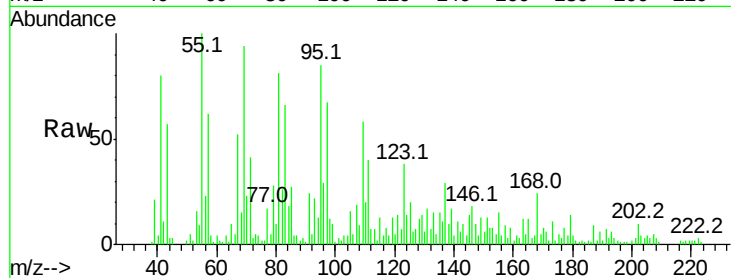




#53
 2,4-Dinitrophenol
 Concen: 5.675 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.14 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

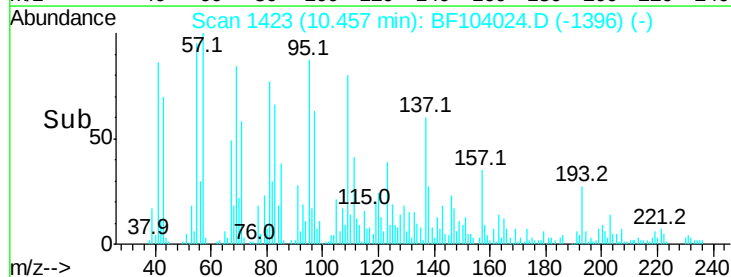
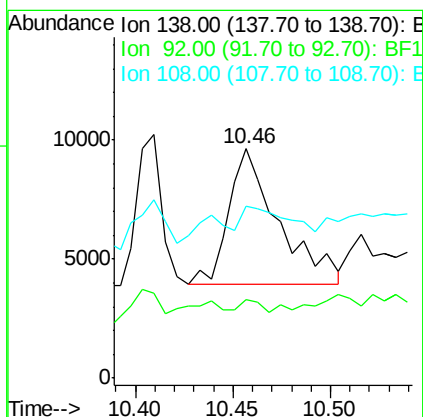
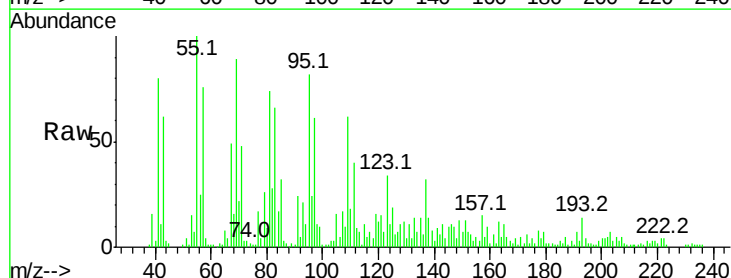
Instrument :
 BNA_F
 ClientSampleId :

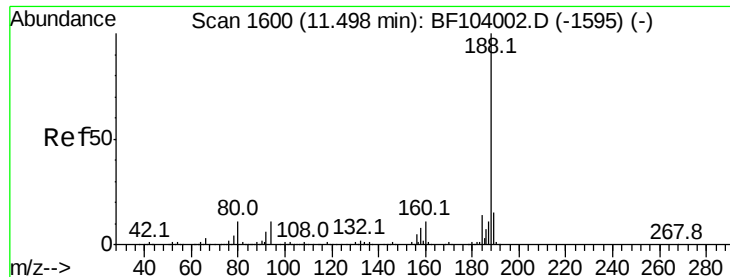
Tot Ion:184 Resp: 141
 Ion Ratio Lower Upper
 184 100
 63 416.5 54.2 81.2#
 154 471.8 184.0 276.0#



#61
 4-Nitroaniline
 Concen: 3.203 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.14 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion:138 Resp: 10047
 Ion Ratio Lower Upper
 138 100
 92 34.3 30.2 70.2
 108 75.0 52.5 92.5





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1604

Delta R.T. 0.02 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampleId :

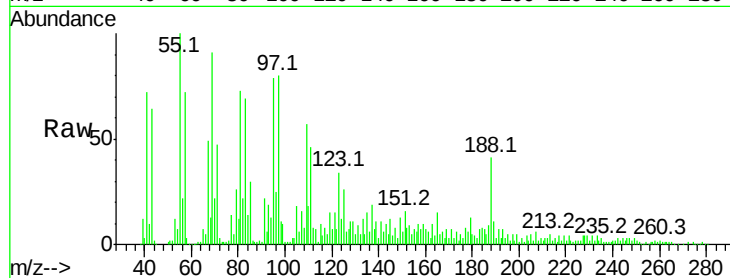
Tot Ion:188 Resp: 155529

Ion Ratio Lower Upper

188 100

94 31.4 8.5 12.7#

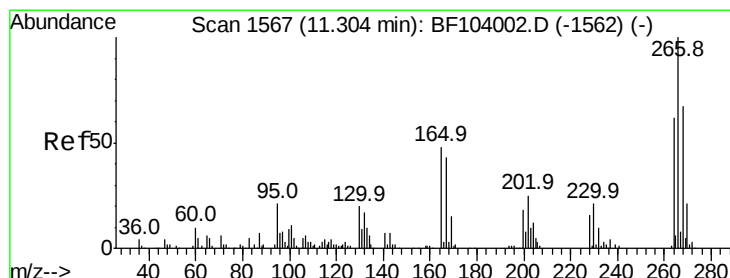
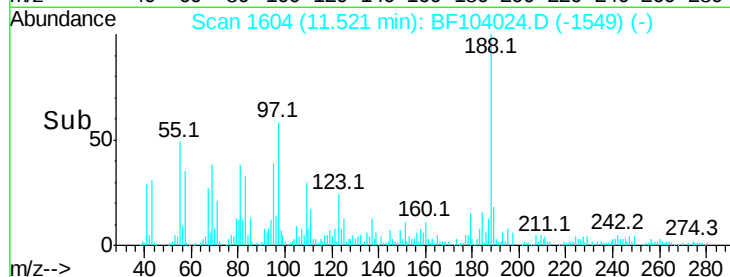
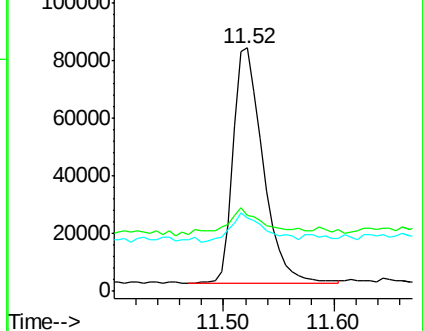
80 30.4 9.2 13.8#



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



#69

Pentachlorophenol

Concen: 2.820 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.03 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

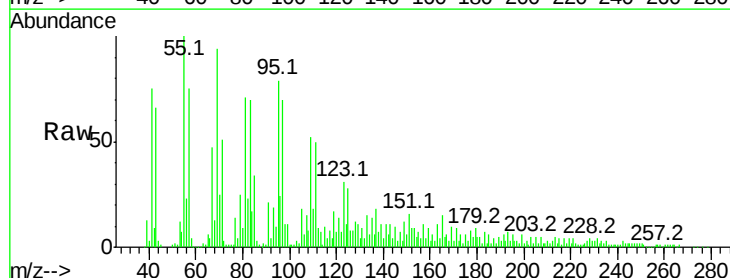
Tgt Ion:266 Resp: 2970

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

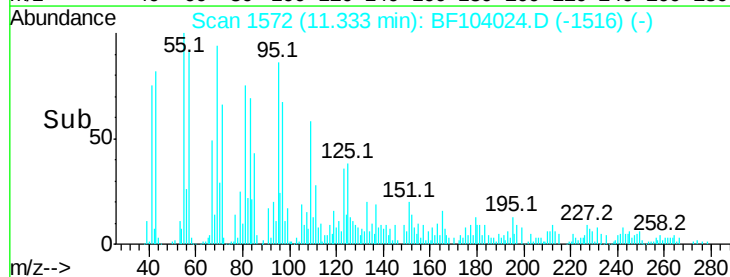
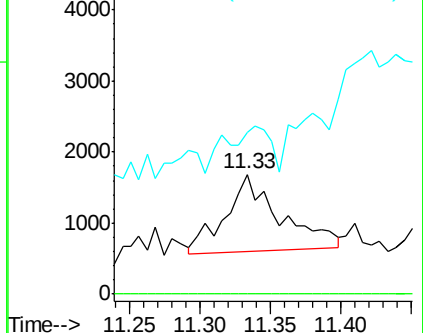
264 135.0 49.5 74.3#

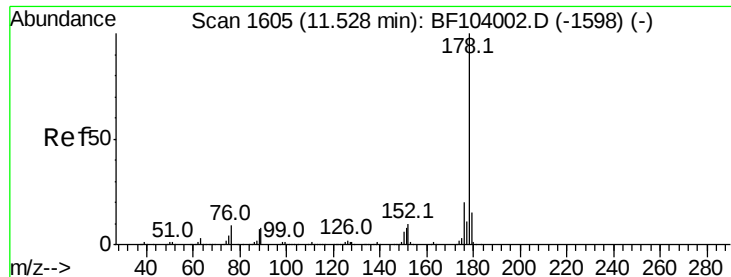


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 8.756 ng

RT: 11.54 min Scan# 1608

Delta R.T. 0.02 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampled :

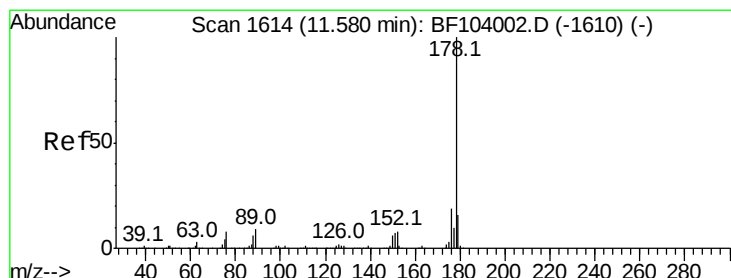
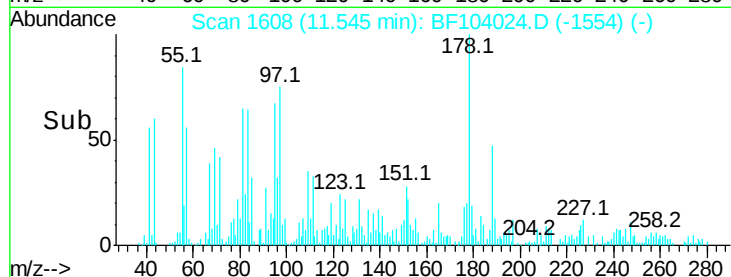
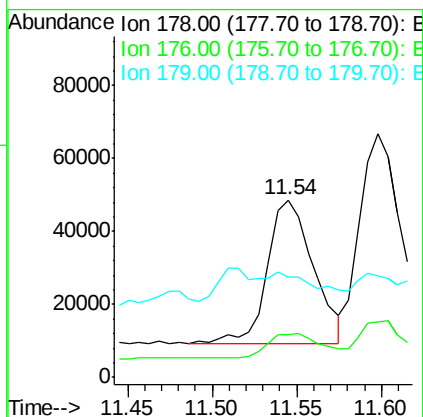
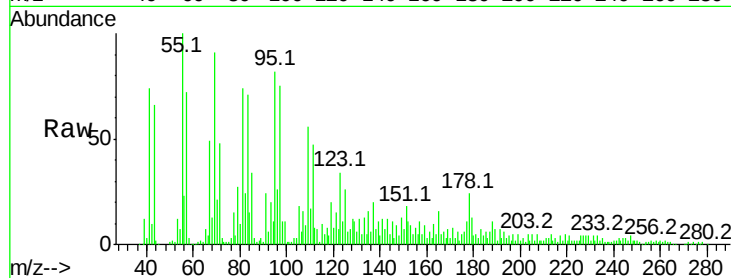
Tot Ion:178 Resp: 73727

Ion Ratio Lower Upper

178 100

176 24.4 15.8 23.8#

179 56.5 13.0 19.6#



#71

Anthracene

Concen: 10.797 ng

RT: 11.60 min Scan# 1617

Delta R.T. 0.02 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

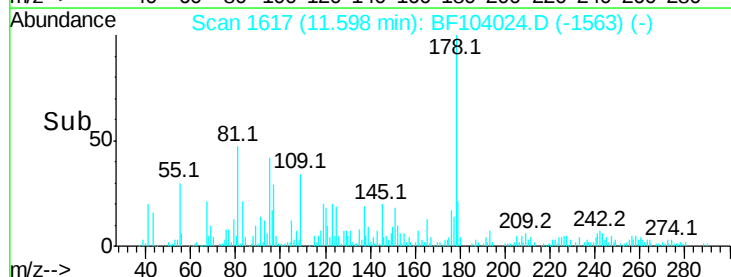
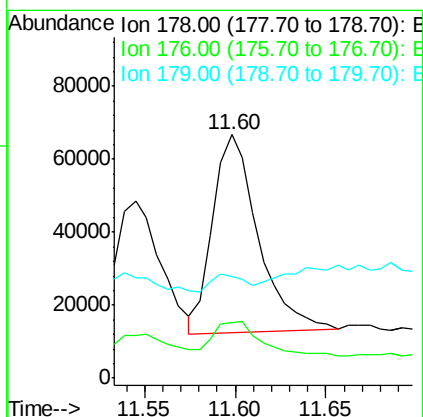
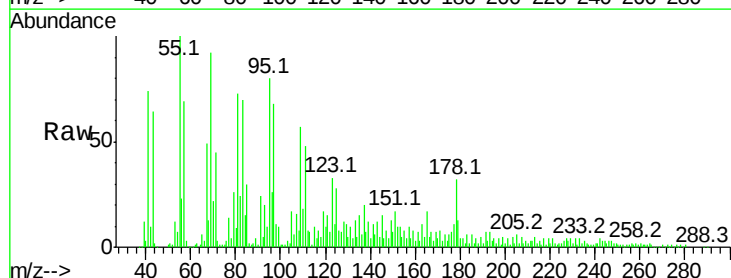
Tgt Ion:178 Resp: 94965

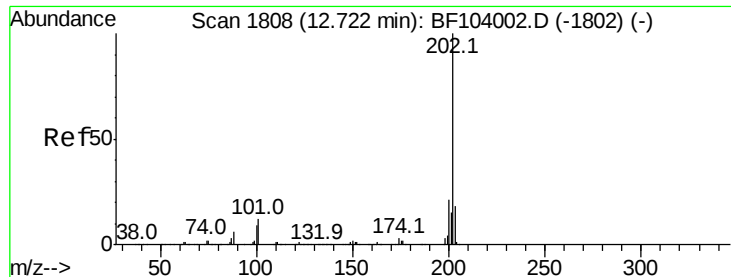
Ion Ratio Lower Upper

178 100

176 23.0 15.4 23.2

179 41.5 12.6 19.0#

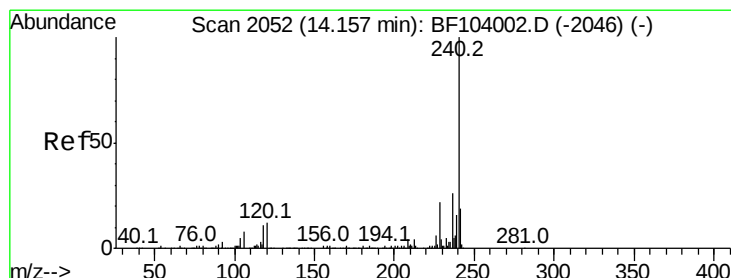
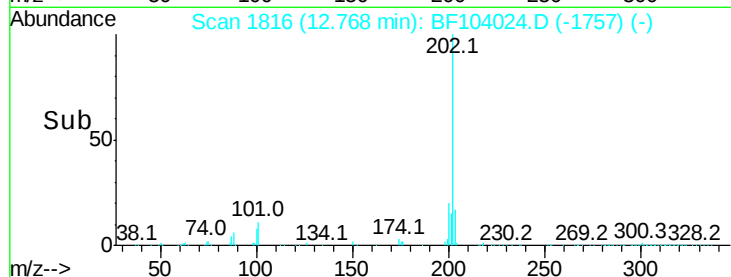
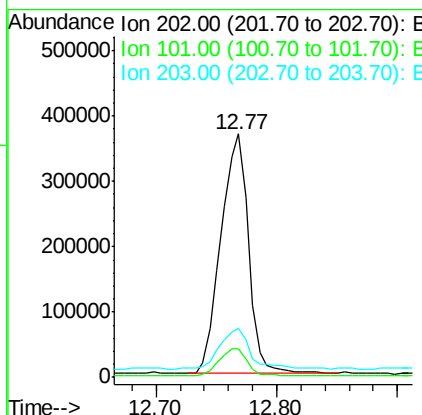
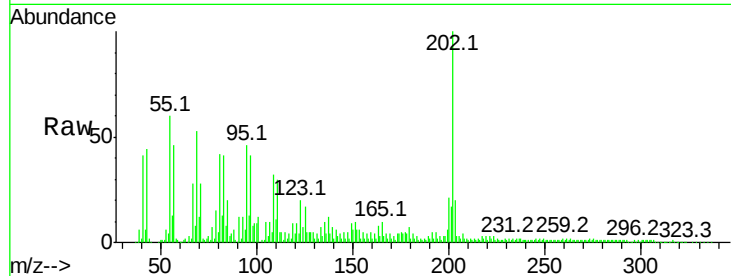




#74
 Fluoranthene
 Concen: 65.062 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. 0.05 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

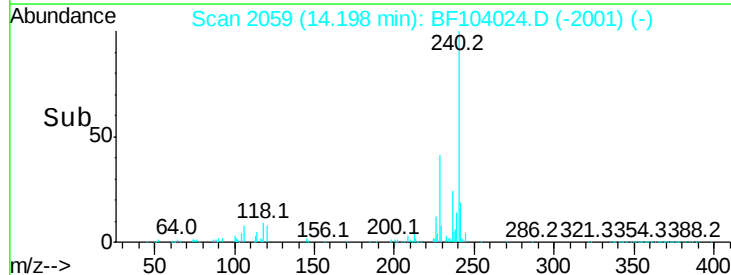
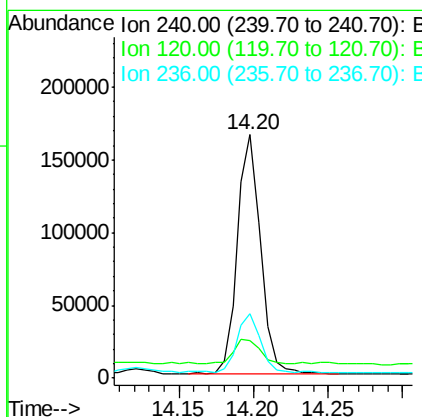
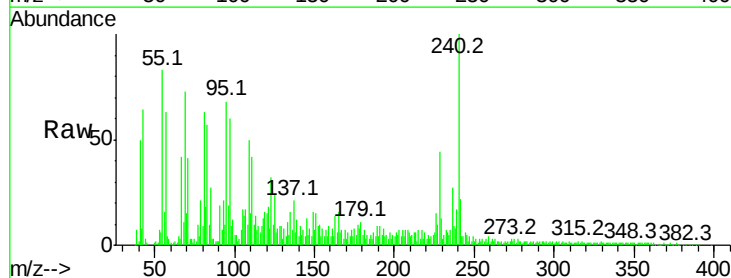
Instrument :
 BNA_F
 ClientSampleId :

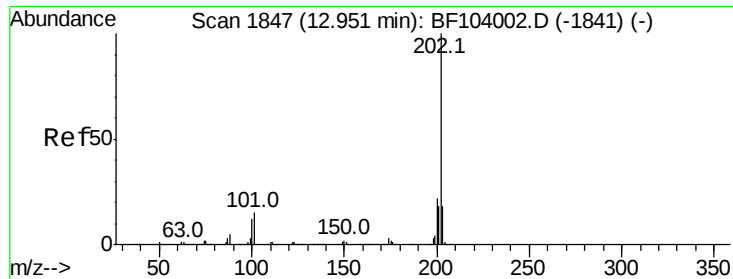
Tot Ion:	202	Resp:	582345
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	20.1	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.20 min Scan# 2059
 Delta R.T. 0.04 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion:	240	Resp:	179947
Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	26.6	20.7	31.1





#77

Pvrene

Concen: 46.084 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.05 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampleId :

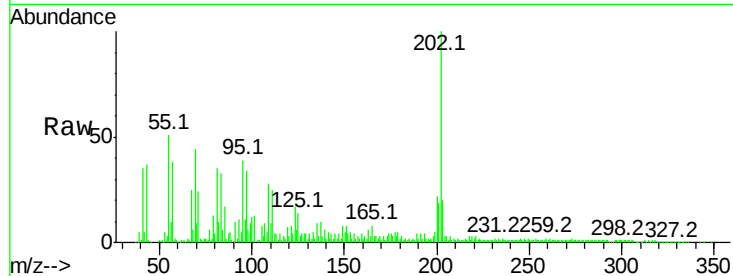
Tot Ion:202 Resp: 596120

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

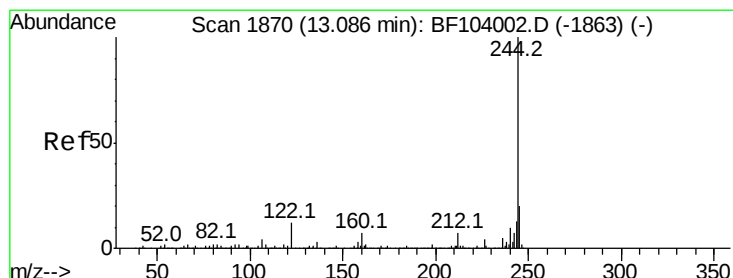
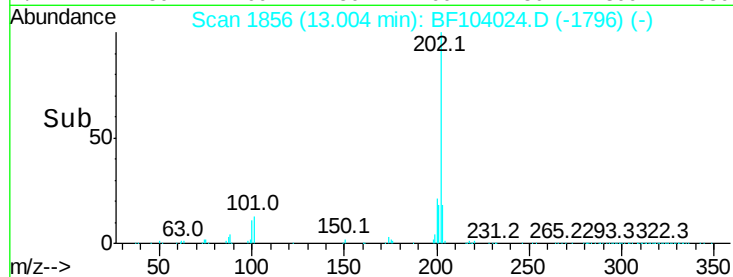
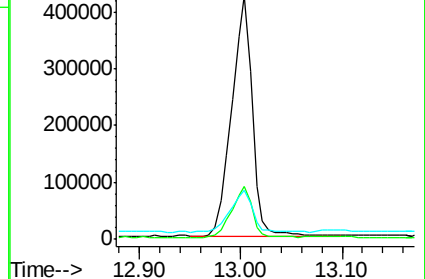
203 20.4 14.3 21.5



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: 6.693 ng

RT: 13.12 min Scan# 1876

Delta R.T. 0.04 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

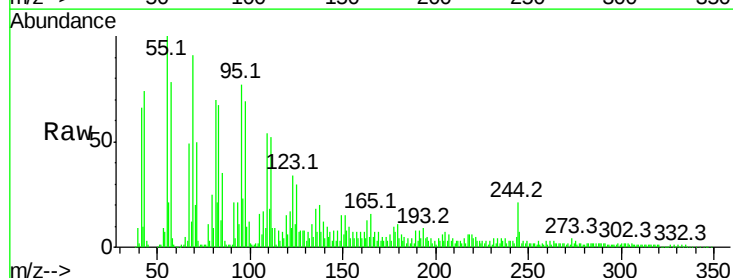
Tgt Ion:244 Resp: 52159

Ion Ratio Lower Upper

244 100

212 12.3 5.4 8.0#

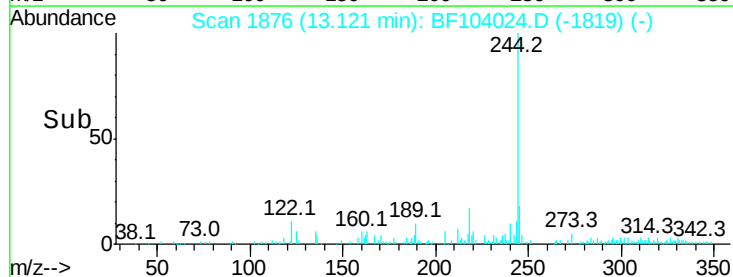
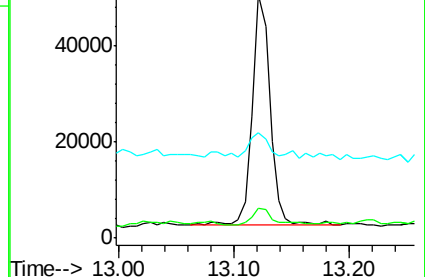
122 43.4 11.0 16.4#

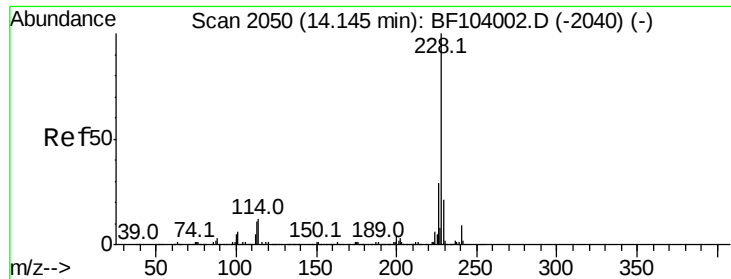


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

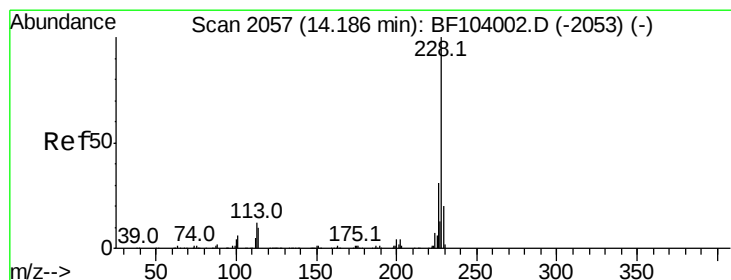
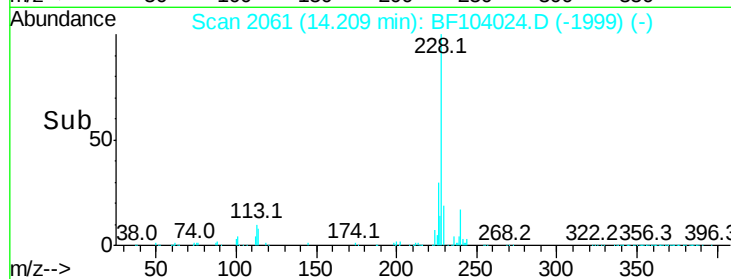
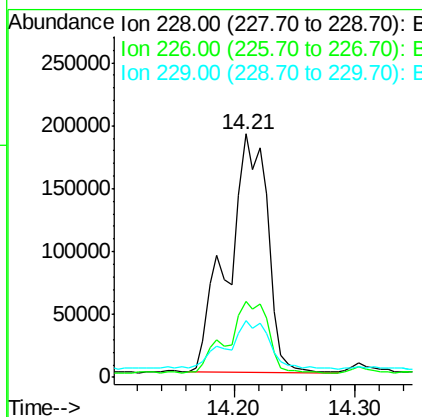
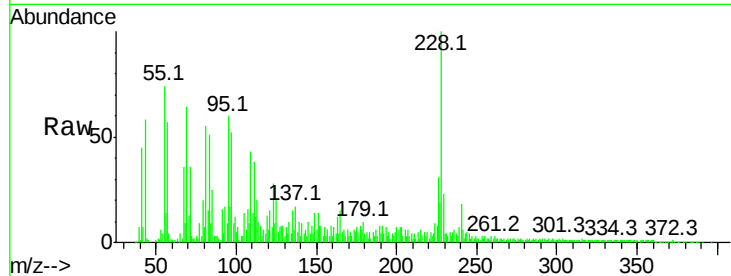




#80
Benzo(a)anthracene
Concen: 38.553 ng
RT: 14.21 min Scan# 2061
Delta R.T. 0.06 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

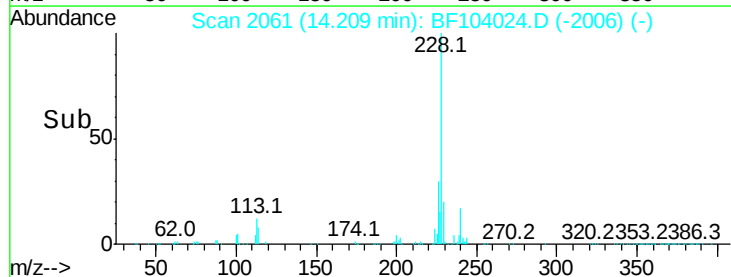
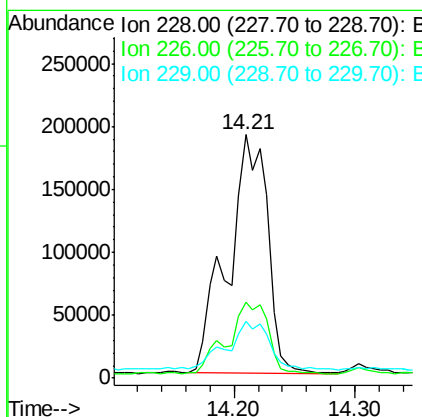
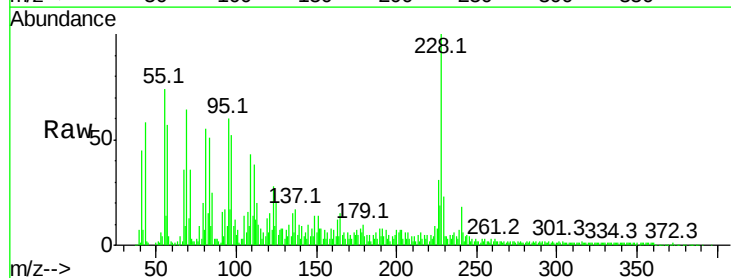
Instrument :
BNA_F
ClientSampleId :

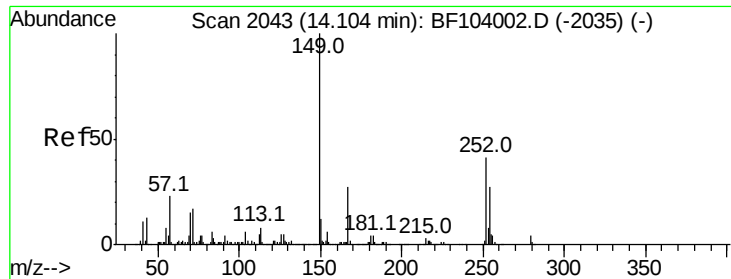
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	23.1	15.8	23.6



#82
Chrysene
Concen: 39.361 ng
RT: 14.21 min Scan# 2061
Delta R.T. 0.02 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.1	16.2	24.4

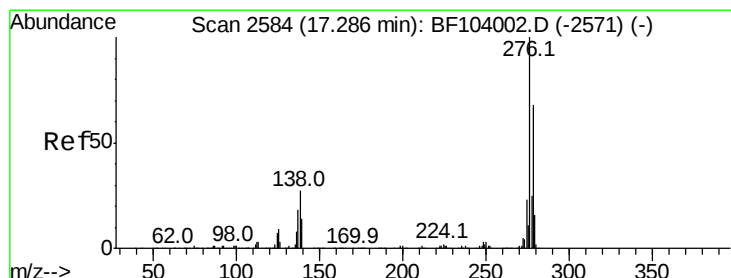
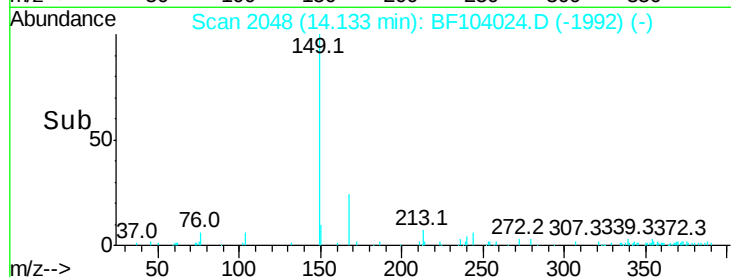
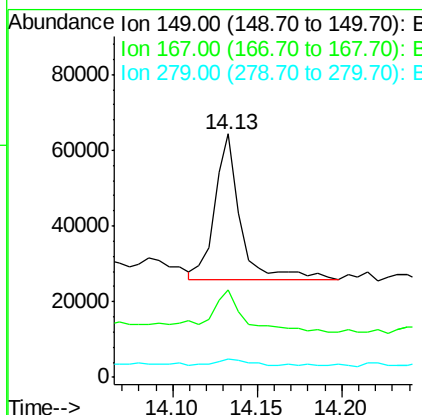
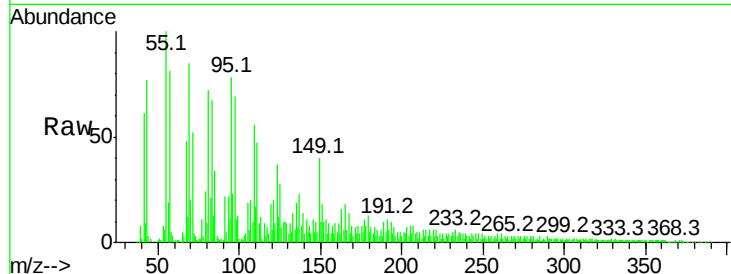




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.144 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. 0.03 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

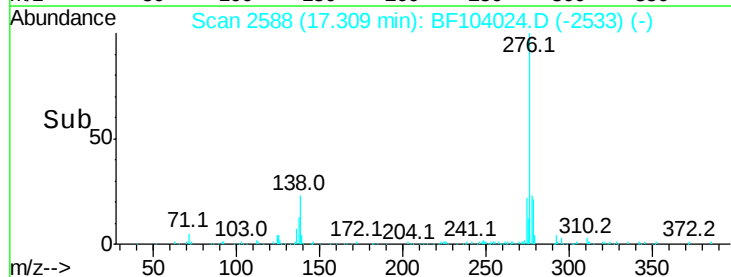
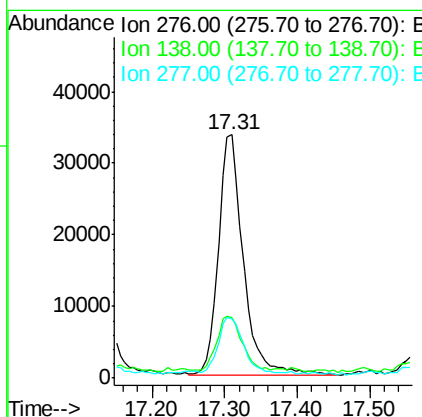
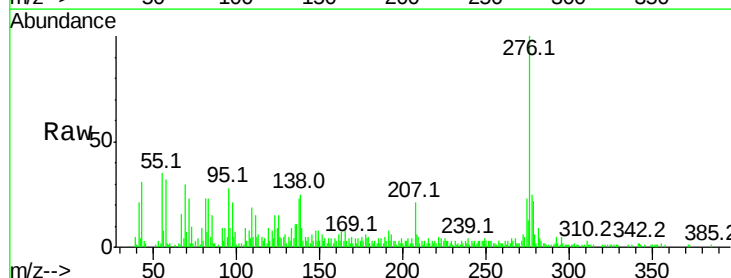
Instrument :
 BNA_F
 ClientSampleId :

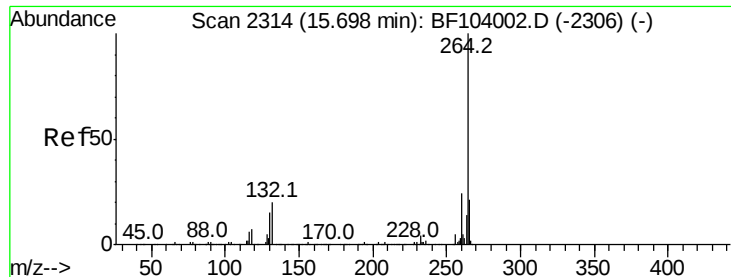
Tot Ion:149 Resp: 40505
 Ion Ratio Lower Upper
 149 100
 167 35.9 21.3 31.9#
 279 7.4 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.010 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.02 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion:276 Resp: 80116
 Ion Ratio Lower Upper
 276 100
 138 22.0 25.0 37.6#
 277 23.8 20.1 30.1

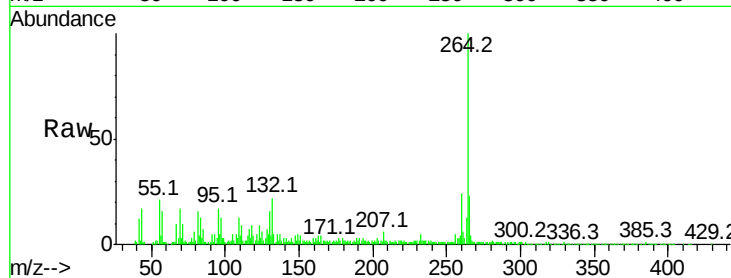




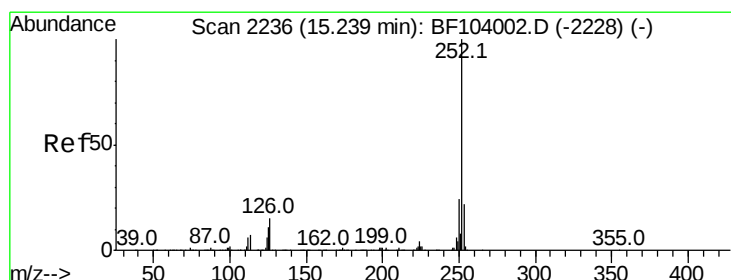
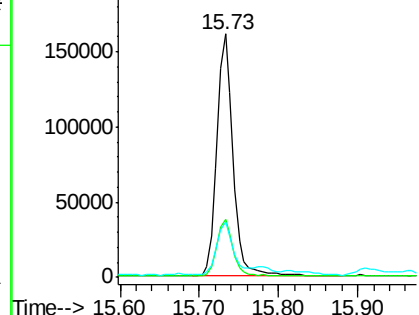
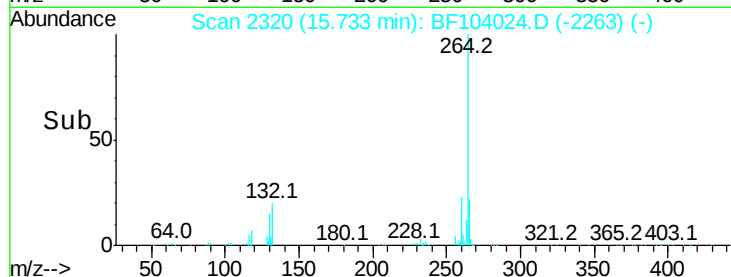
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2320
Delta R.T. 0.04 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.7	17.5	26.3

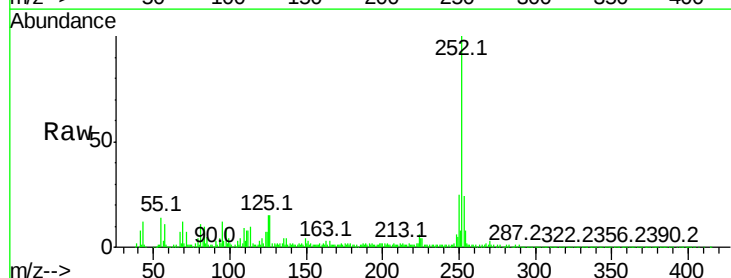


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

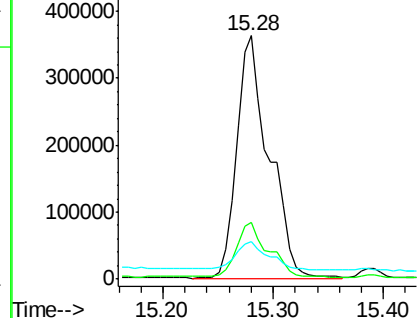
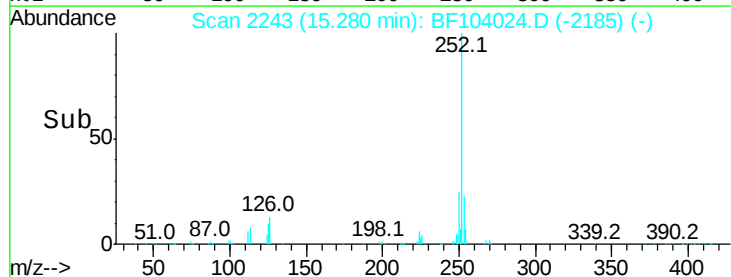


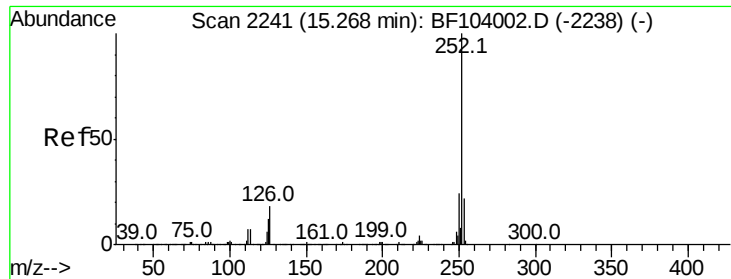
#87
Benzo(b)fluoranthene
Concen: 53.283 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.04 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	15.3	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

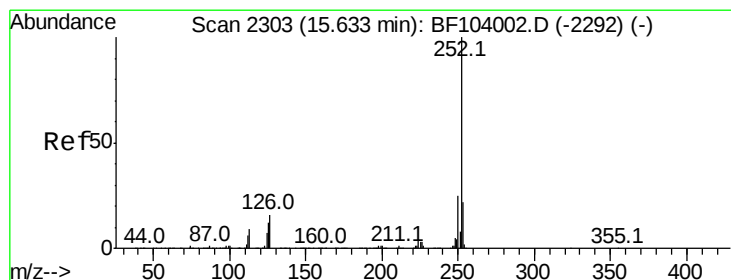
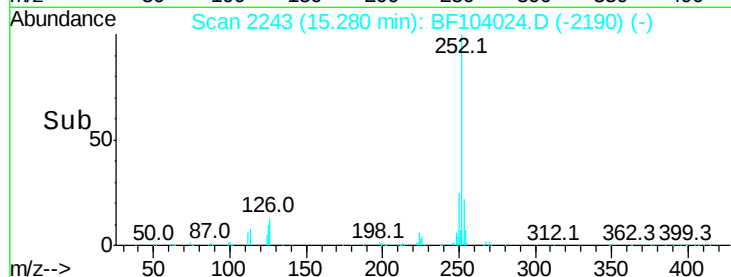
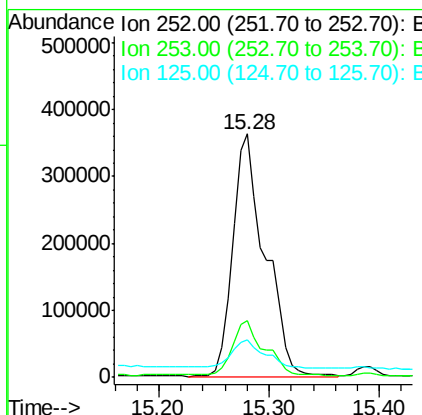
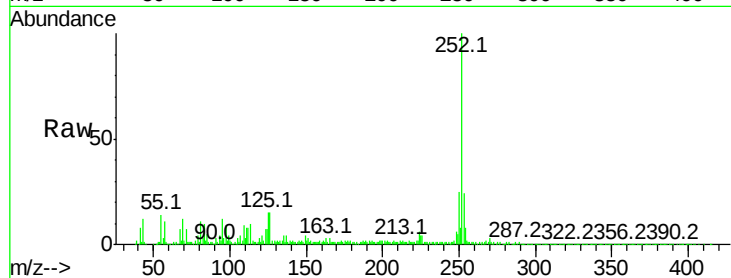




#88
Benzo(k)fluoranthene
Concen: 56.563 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

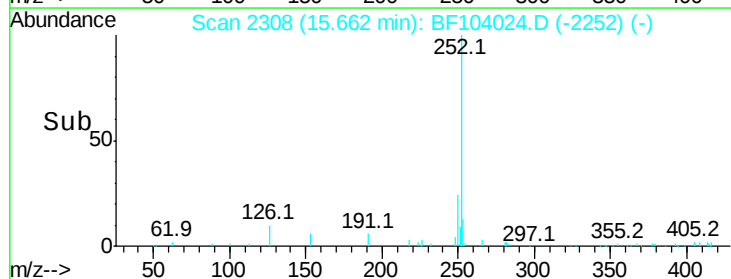
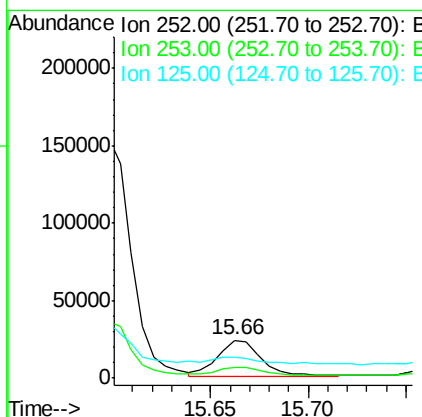
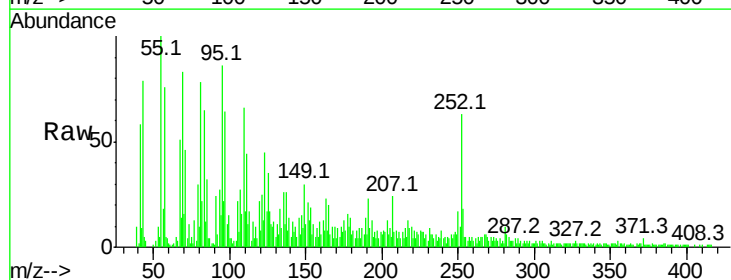
Instrument :
BNA_F
ClientSampleId :

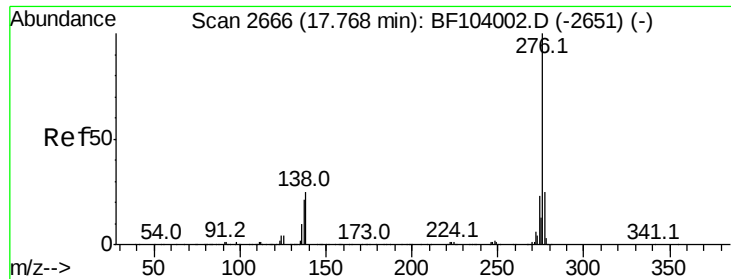
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	15.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.771 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.03 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.1	25.7
125	55.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.585 ng

RT: 17.79 min Scan# 2670

Delta R.T. 0.02 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

ClientSampleId :

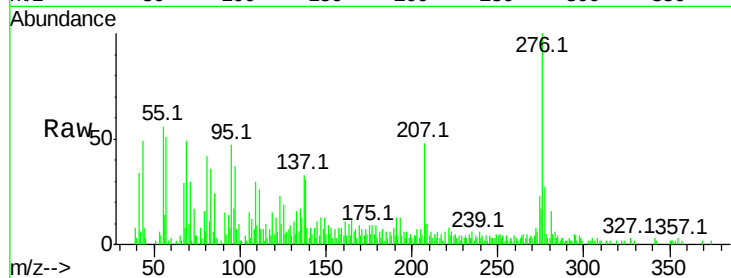
Tot Ion:276 Resp: 42753

Ion Ratio Lower Upper

276 100

277 26.7 17.9 26.9

138 30.7 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

