

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104032.D
 Acq On : 29 Mar 2018 1:06
 Operator : JU/SJ
 Sample : J2080-07 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:56:32 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	6.97	152	119174	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	473349	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	192951	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	285895	20.00	ng	0.00
75) Chrysene-d12	14.16	240	227316	20.00	ng	0.00
86) Perylene-d12	15.70	264	175944	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	317264	42.46	ng	0.00
7) Phenol-d6	6.60	99	443901	48.28	ng	0.00
23) Nitrobenzene-d5	7.53	82	246111	31.80	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	78635	36.60	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	455973	37.26	ng	0.00
78) Terphenyl-d14	13.08	244	303769	30.86	ng	0.00

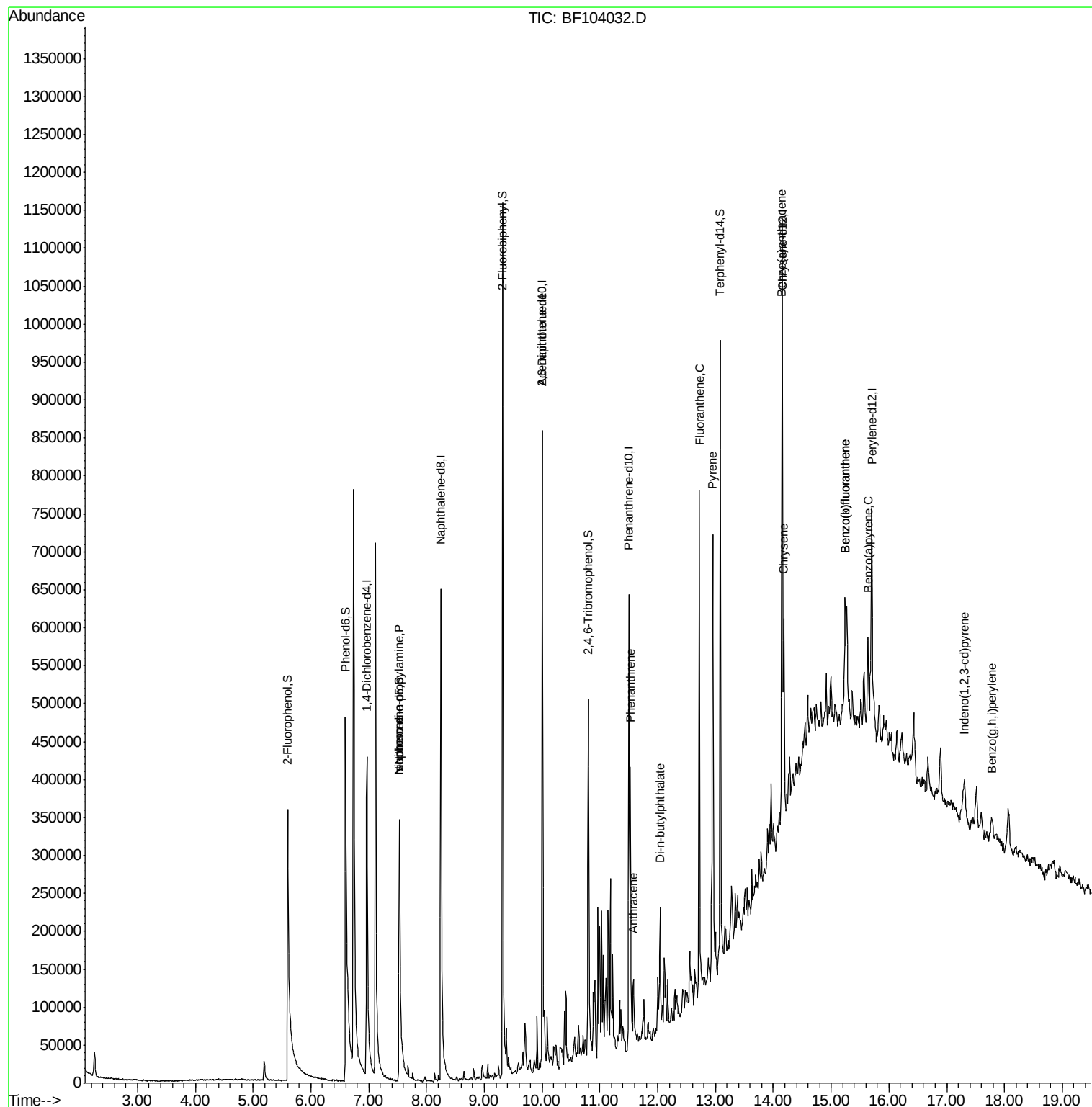
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	30427	5.577	ng	# 79
25) Isophorone	7.53	82	246111	17.254	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	26174	7.986	ng	# 26
70) Phenanthrene	11.53	178	147537	9.532	ng	97
71) Anthracene	11.58	178	50736	3.138	ng	97
73) Di-n-butylphthalate	12.04	149	76423	4.158	ng	100
74) Fluoranthene	12.72	202	308142	18.729	ng	97
77) Pyrene	12.95	202	268983	16.461	ng	99
80) Benzo(a)anthracene	14.14	228	119867	8.427	ng	96
82) Chrysene	14.19	228	110855	7.957	ng	96
85) Indeno(1,2,3-cd)pyrene	17.30	276	28940	2.005	ng	93
87) Benzo(b)fluoranthene	15.24	252	127992	11.953	ng	# 87
88) Benzo(k)fluoranthene	15.24	252	127992	12.689	ng	# 90
89) Benzo(a)pyrene	15.64	252	61491	6.197	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	26469	2.880	ng	# 94

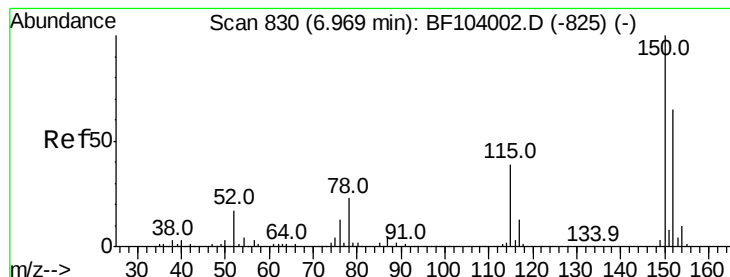
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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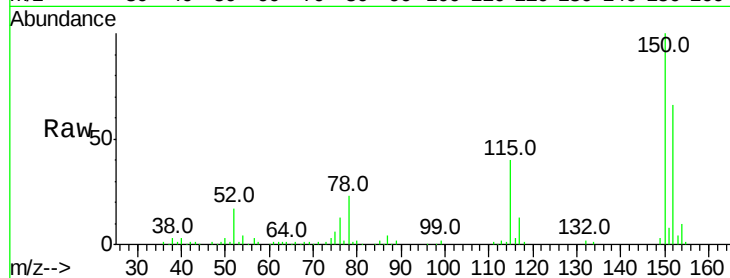


#1

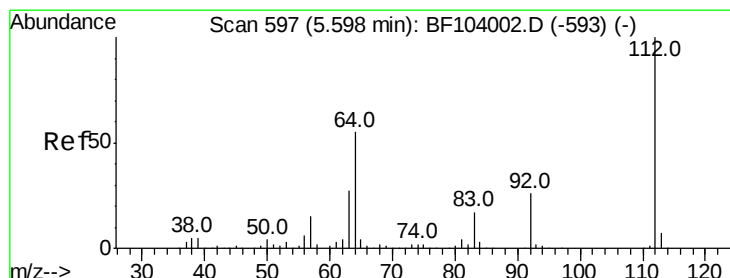
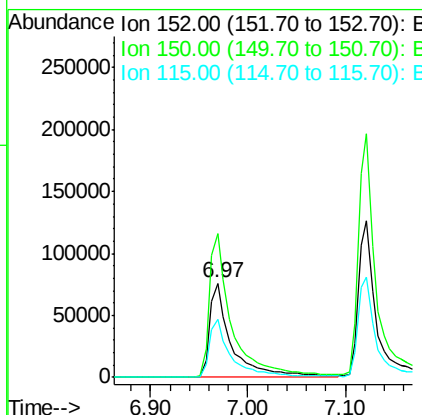
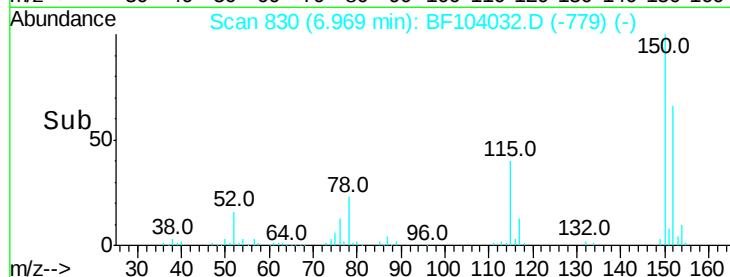
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 119174
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.6 186.8
 115 61.0 50.1 75.1



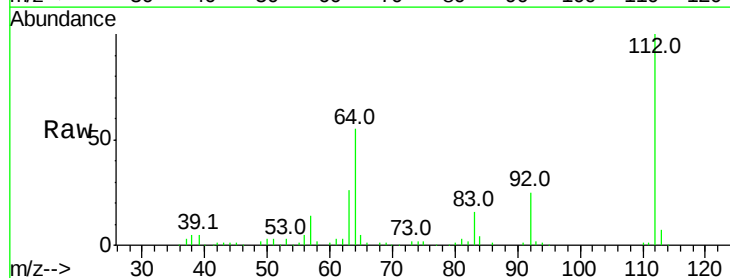
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



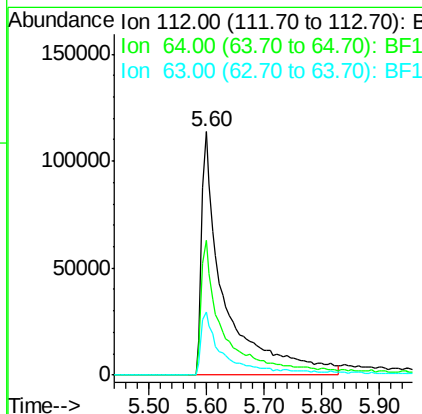
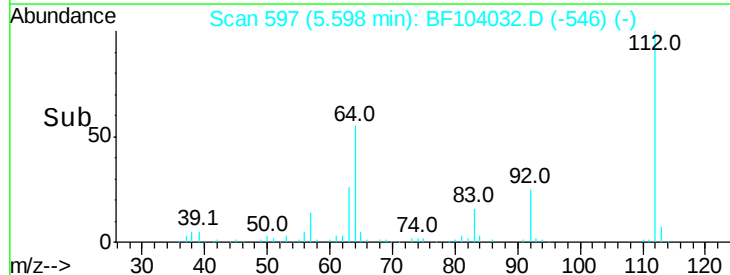
#5

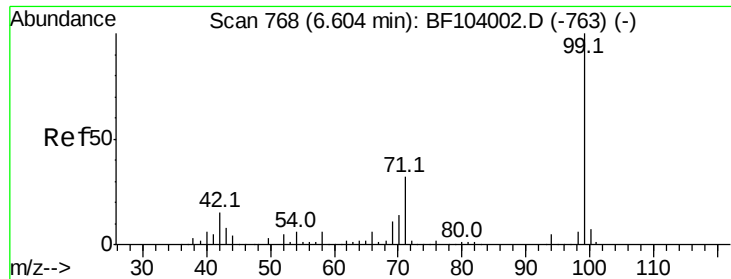
2-Fluorophenol
 Concen: 42.455 ng
 RT: 5.60 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Tgt Ion:112 Resp: 317264
 Ion Ratio Lower Upper
 112 100
 64 55.2 47.9 71.9
 63 26.0 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: 48.282 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampled :

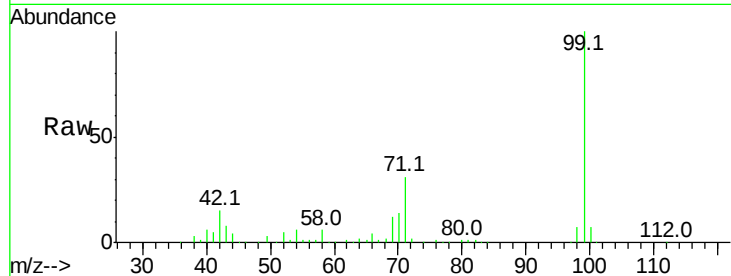
Tot Ion: 99 Resp: 443901

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

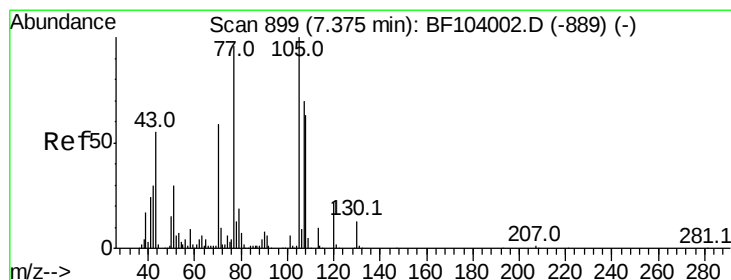
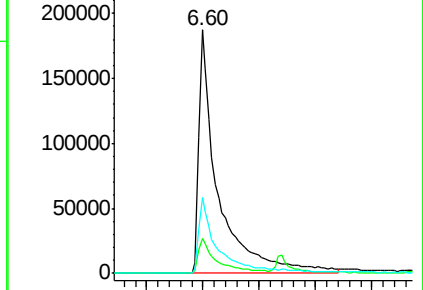
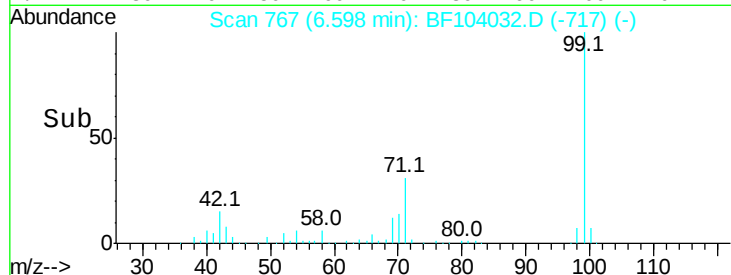
71 31.1 25.4 38.0



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: 5.577 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Tgt Ion: 70 Resp: 30427

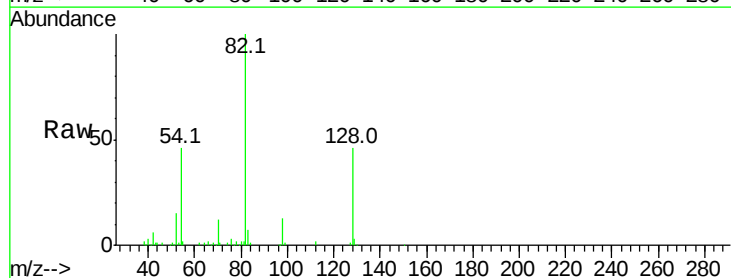
Ion Ratio Lower Upper

70 100

42 49.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

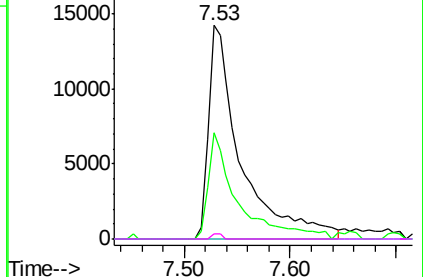
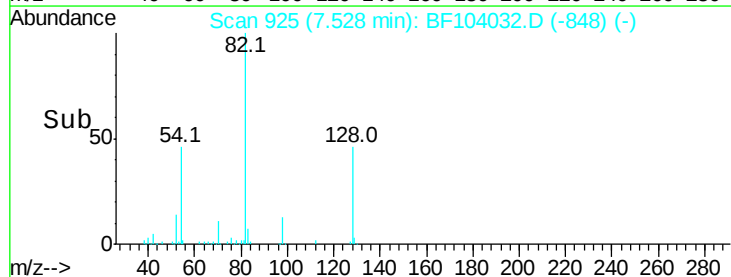


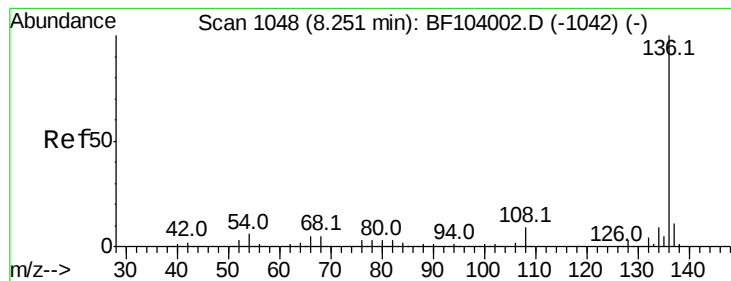
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 473349

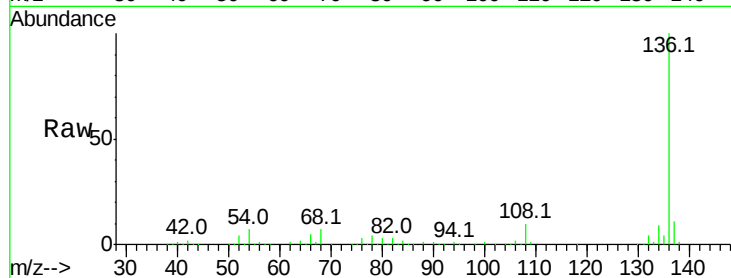
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 6.8 5.0 7.4

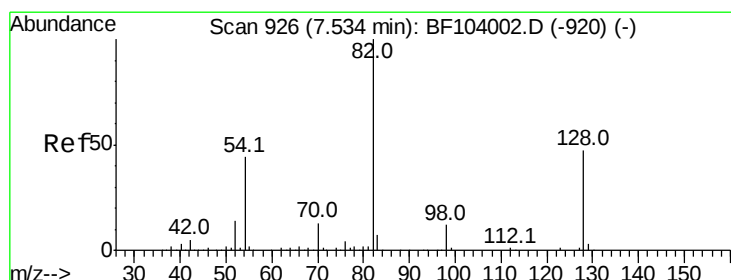
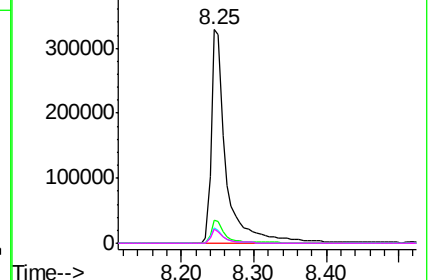
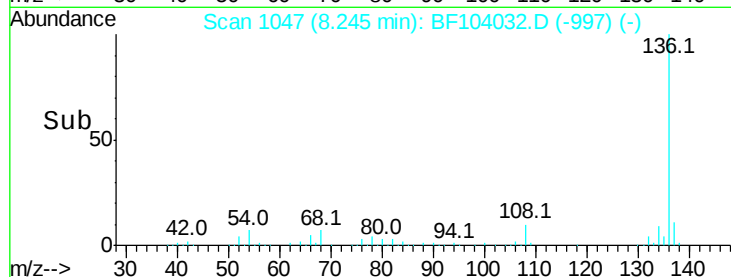


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 31.797 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

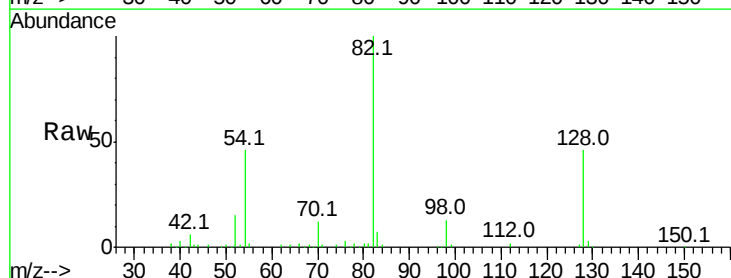
Tgt Ion: 82 Resp: 246111

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

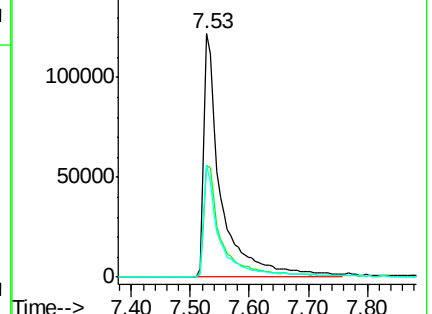
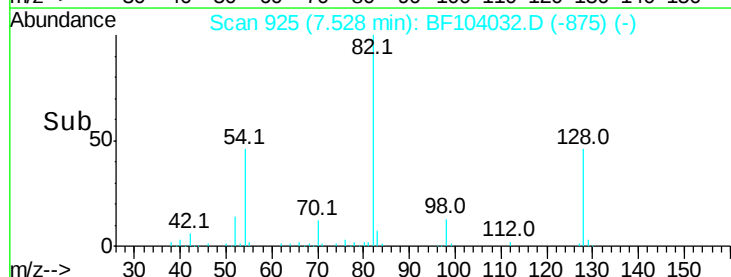
54 46.0 41.4 62.2

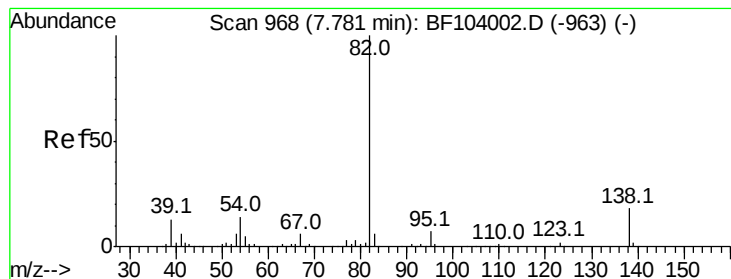


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.254 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

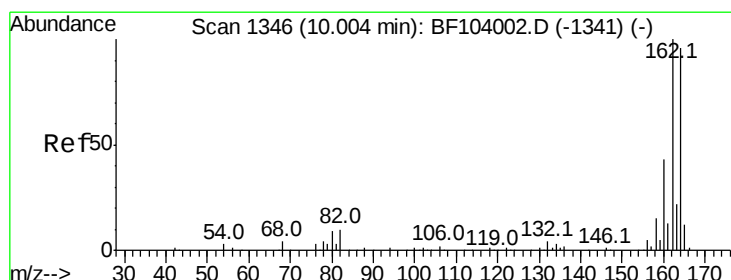
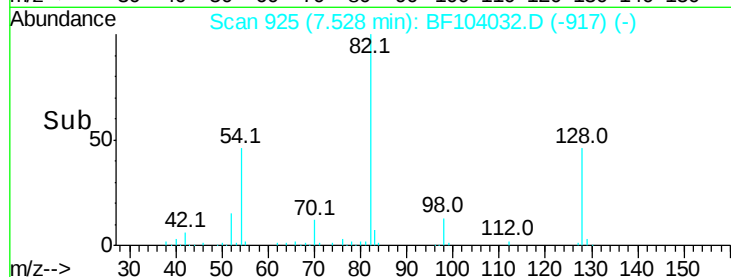
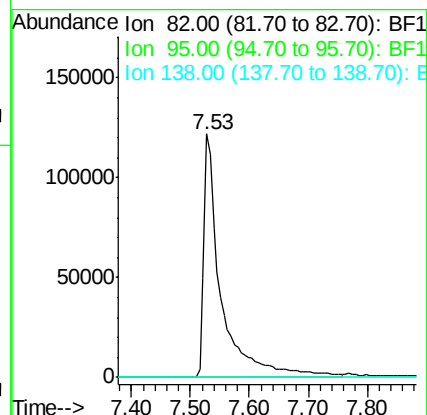
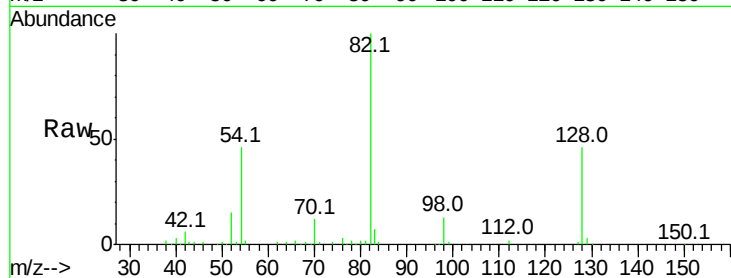
Tot Ion: 82 Resp: 246111

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# 1346

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

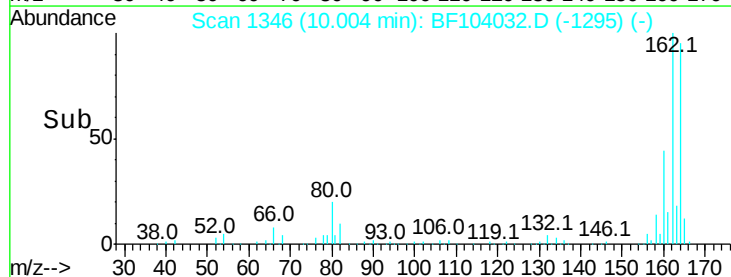
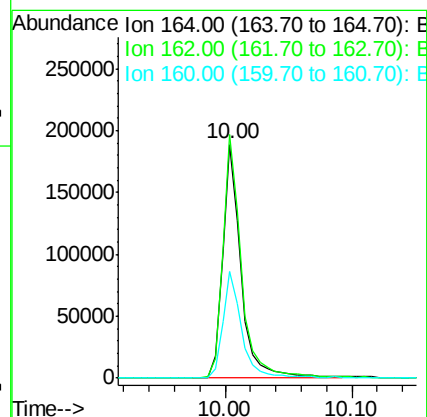
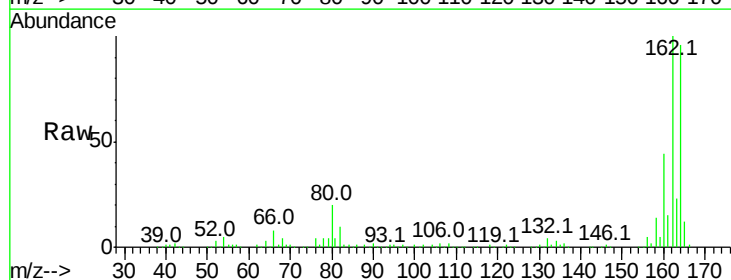
Tgt Ion:164 Resp: 192951

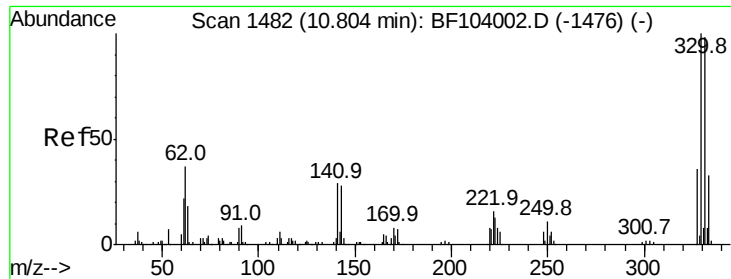
Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

160 45.5 38.3 57.5

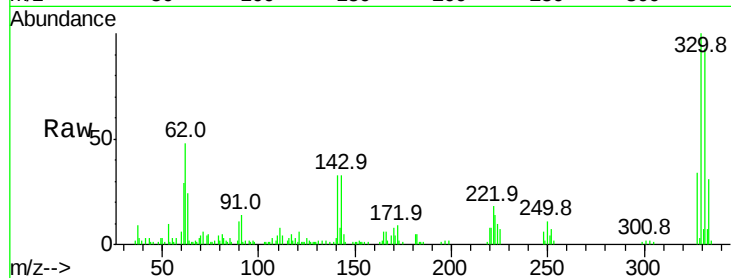




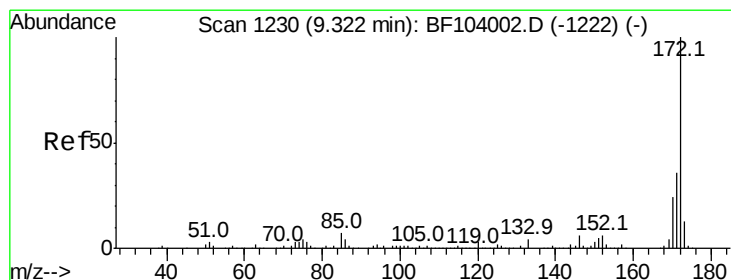
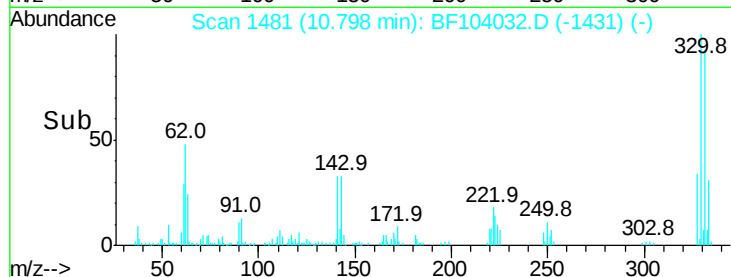
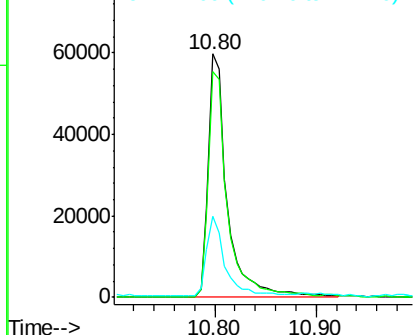
#41
 2,4,6-Tribromophenol
 Concen: 36.600 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 78635
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 30.7 29.9 44.9

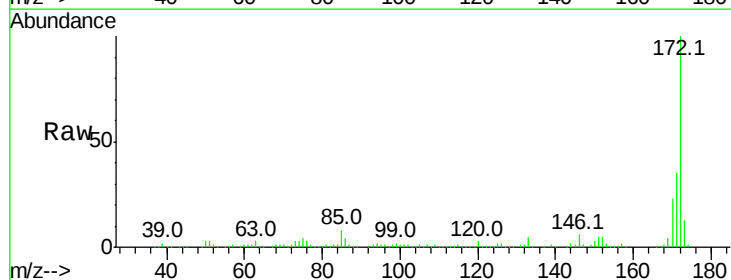


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

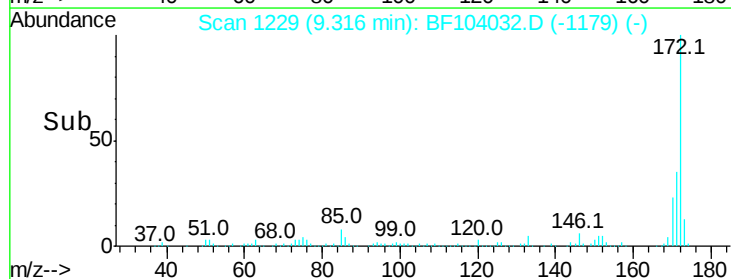
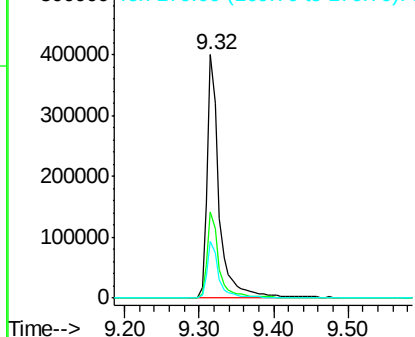


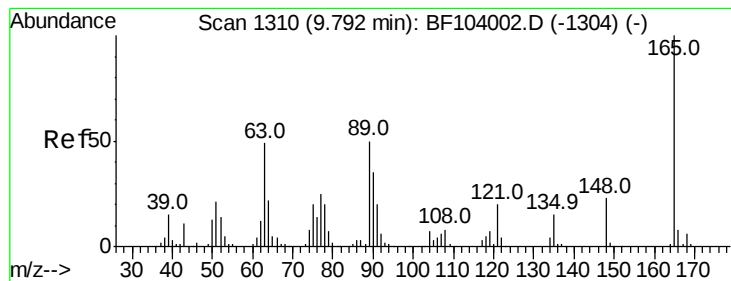
#44
 2-Fluorobiphenyl
 Concen: 37.265 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Tgt Ion:172 Resp: 455973
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.3 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.986 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.21 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

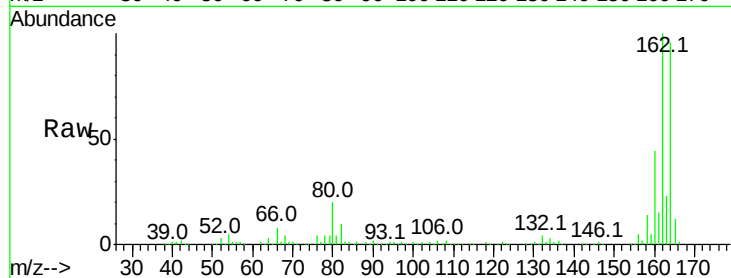
Tot Ion:165 Resp: 26174

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

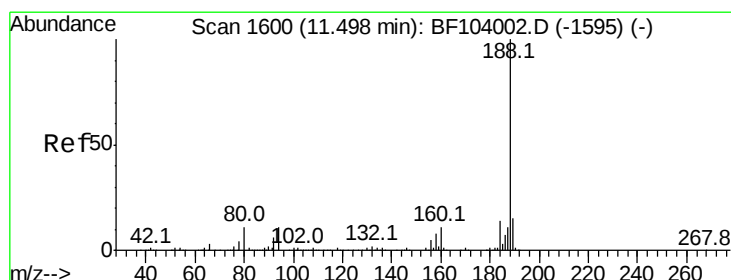
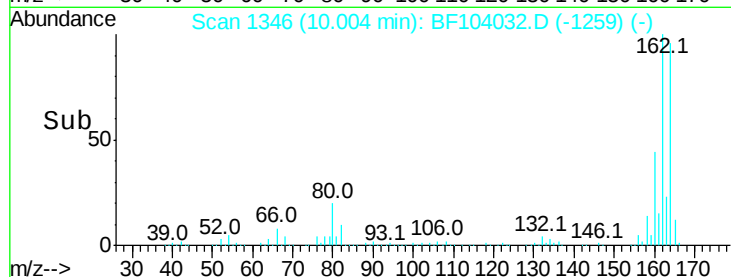
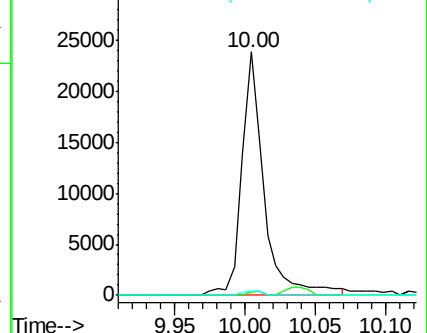
89 1.6 44.0 66.0#



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

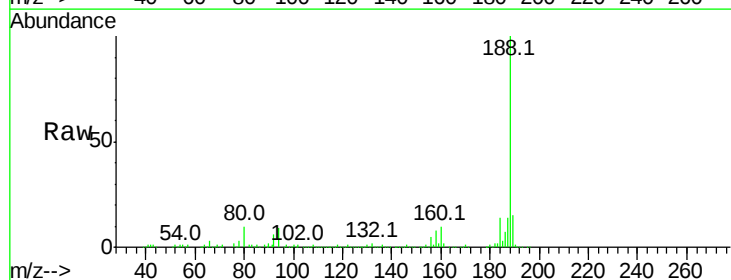
Tgt Ion:188 Resp: 285895

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

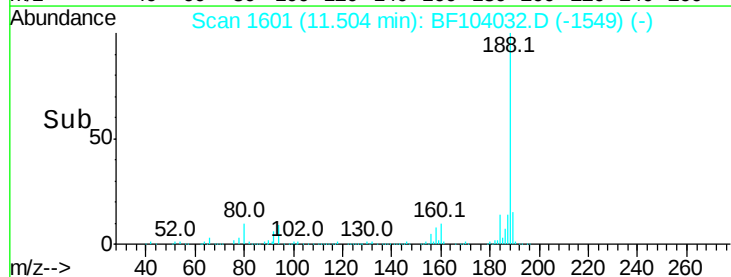
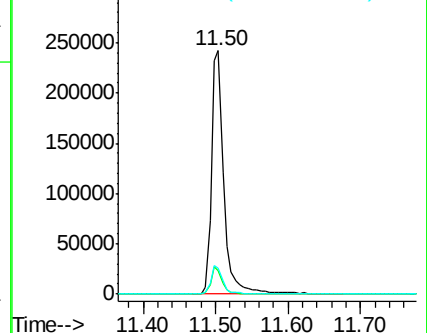
80 10.4 9.2 13.8

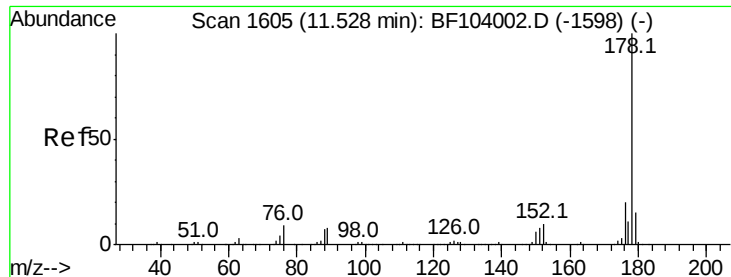


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

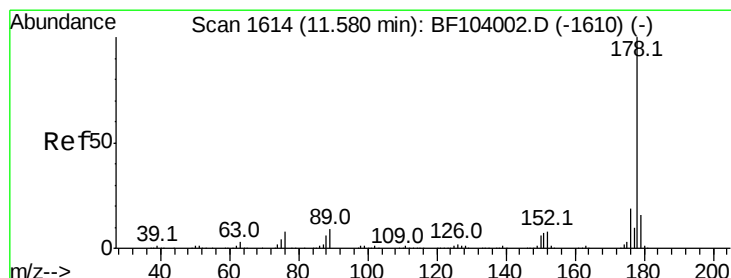
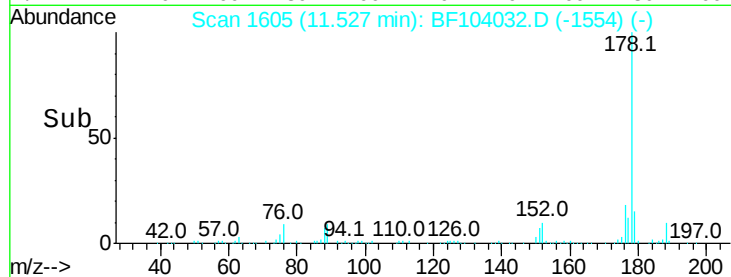
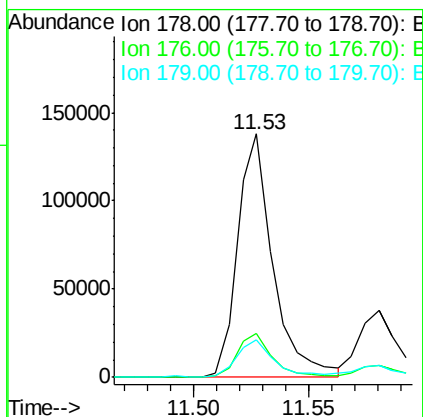
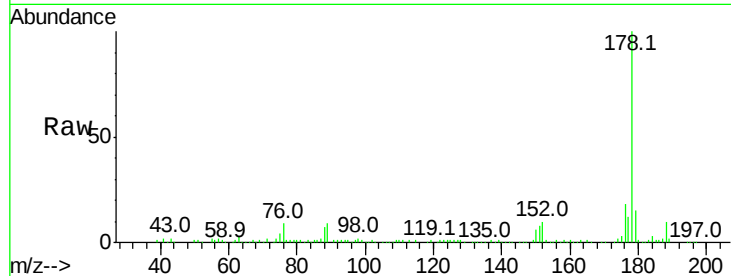




#70
Phenanthrene
Concen: 9.532 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

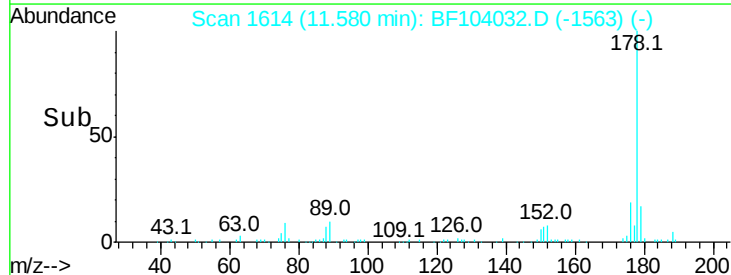
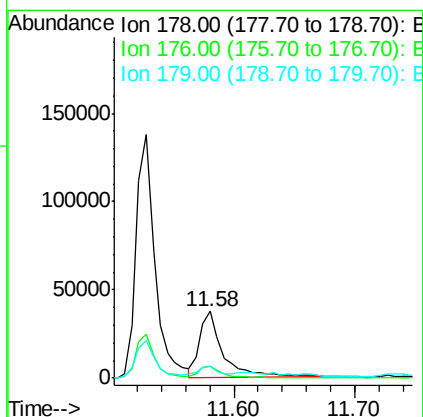
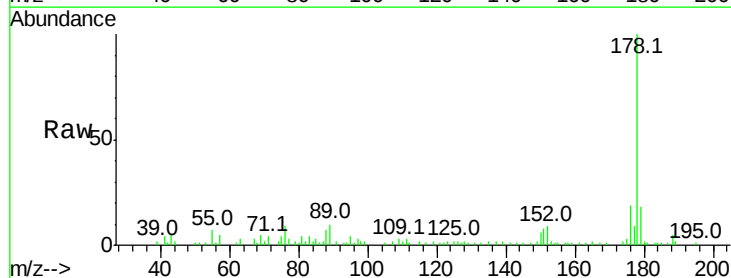
Instrument :
BNA_F
ClientSampleId :

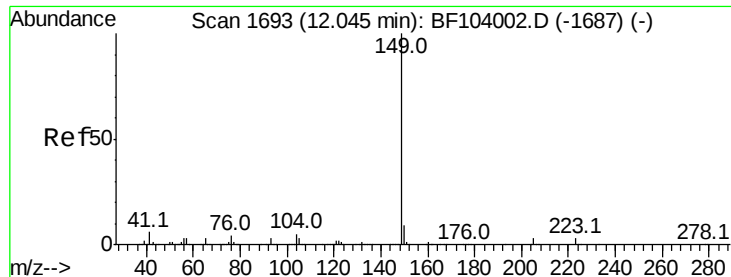
Tot Ion:178 Resp: 147537
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 3.138 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion:178 Resp: 50736
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 17.7 12.6 19.0





#73

Di-n-butylphthalate

Concen: 4.158 ng

RT: 12.04 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

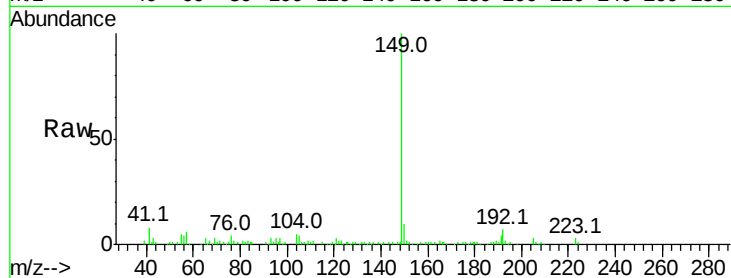
Tot Ion:149 Resp: 76423

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

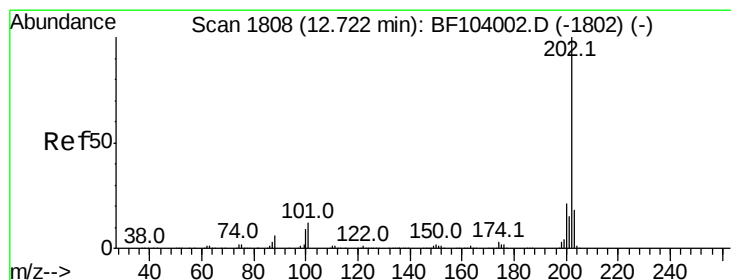
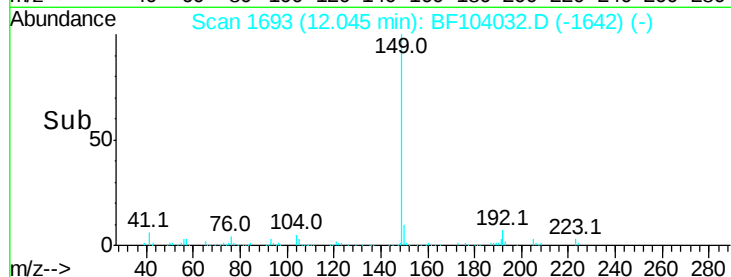
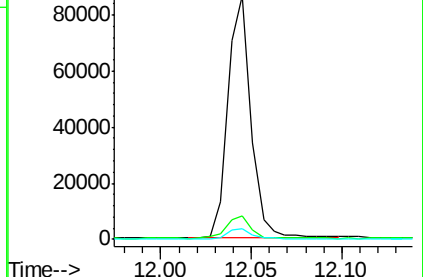
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 18.729 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

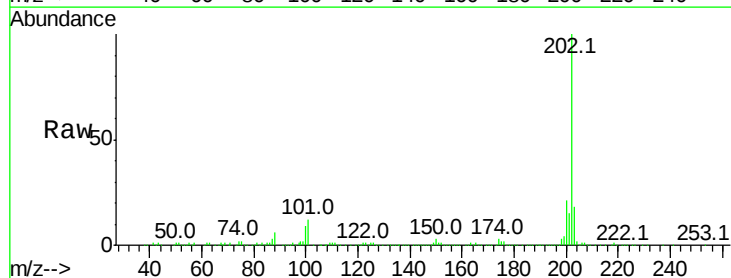
Tgt Ion:202 Resp: 308142

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

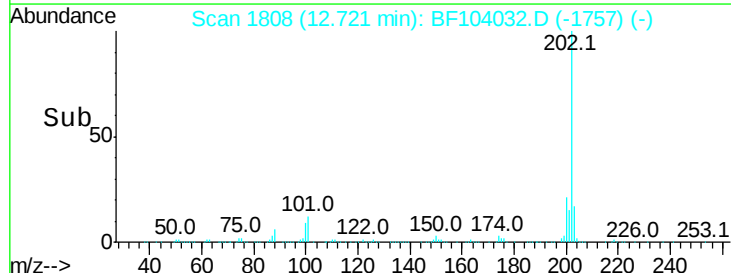
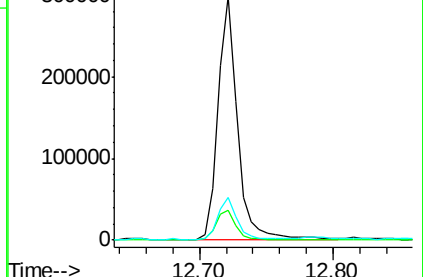
203 17.6 0.0 38.1

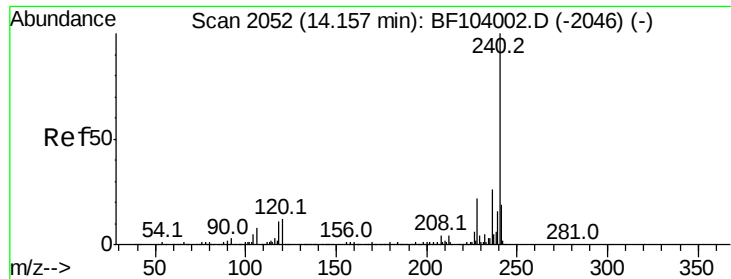


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

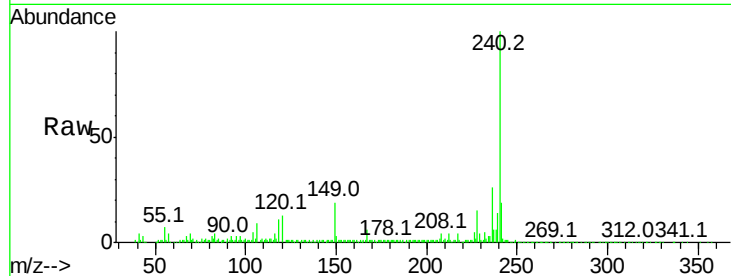
Tot Ion:240 Resp: 227316

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

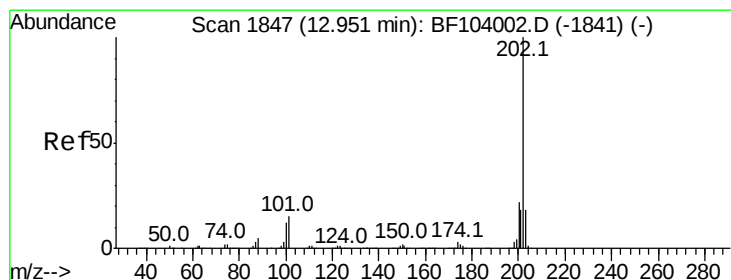
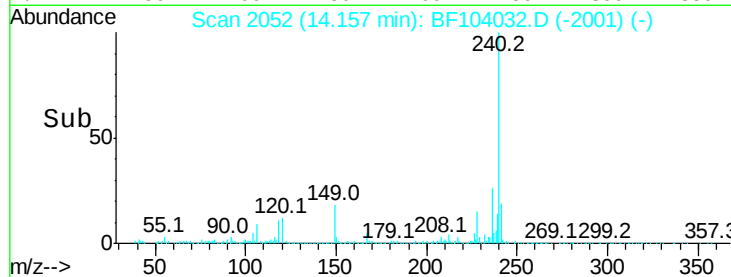
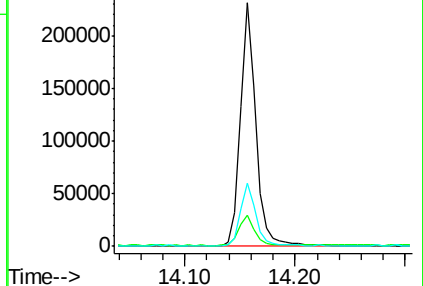
236 25.7 20.7 31.1



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: 16.461 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

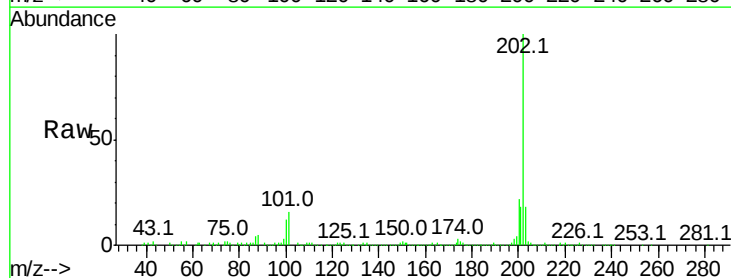
Tgt Ion:202 Resp: 268983

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

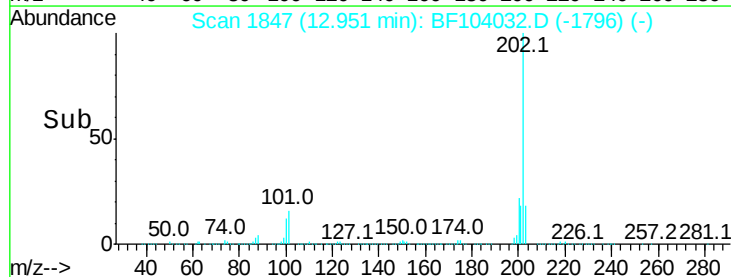
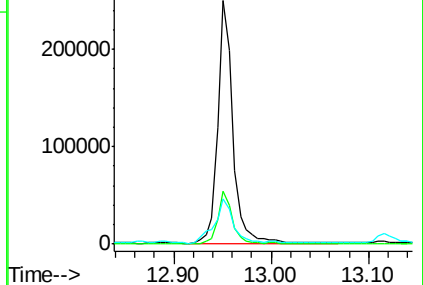
203 18.5 14.3 21.5

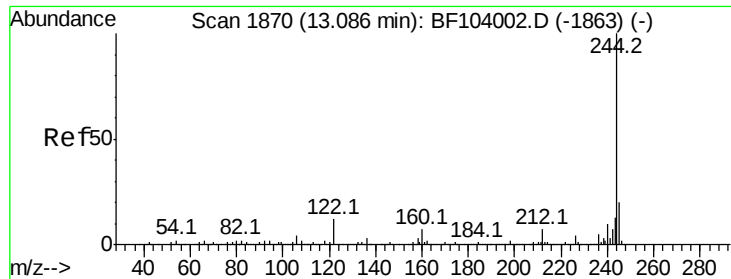


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.855 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

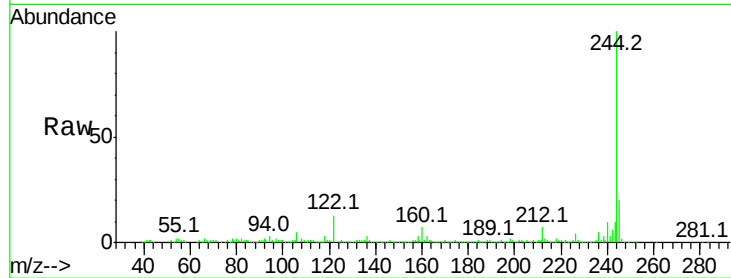
Tot Ion:244 Resp: 303769

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

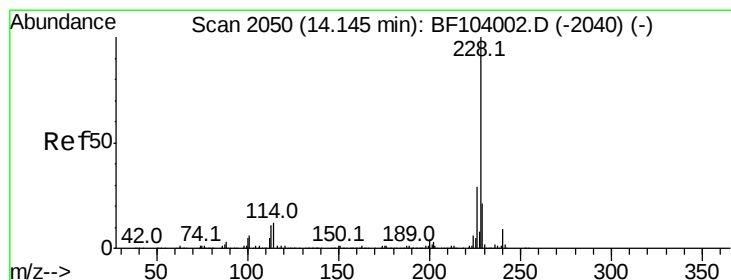
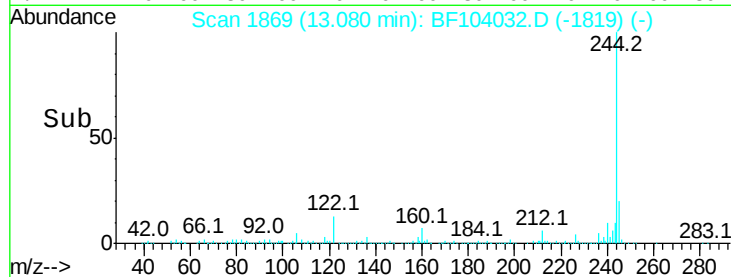
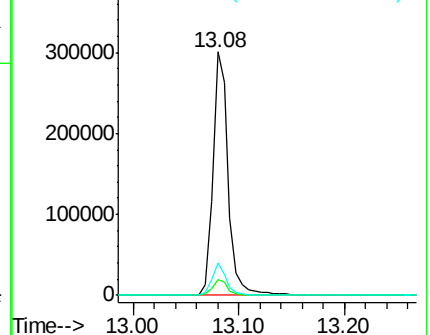
122 13.2 11.0 16.4



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: 8.427 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

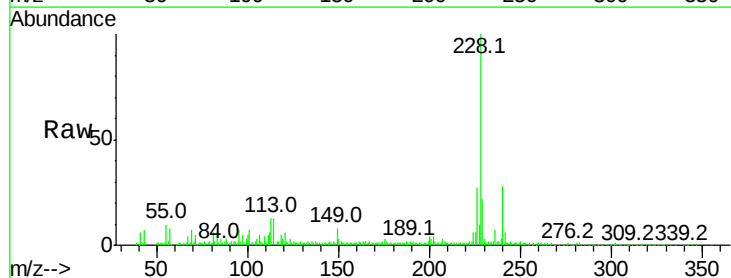
Tgt Ion:228 Resp: 119867

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

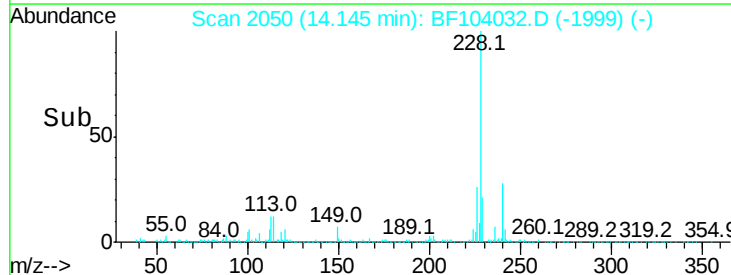
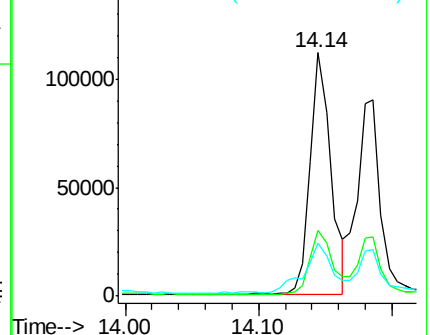
229 22.0 15.8 23.6

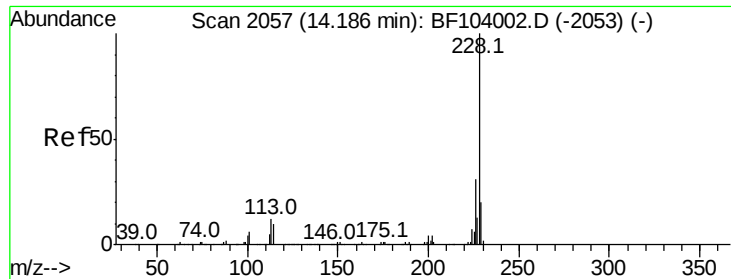


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.957 ng

RT: 14.19 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

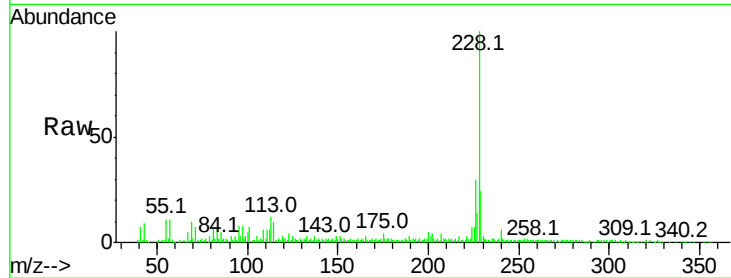
Tot Ion:228 Resp: 110855

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

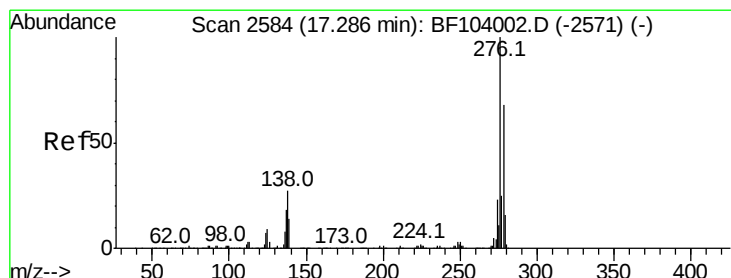
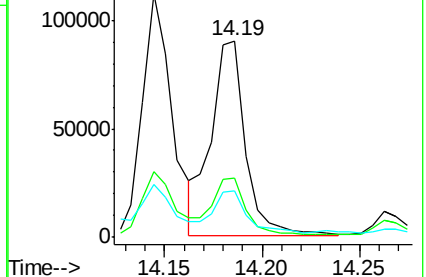
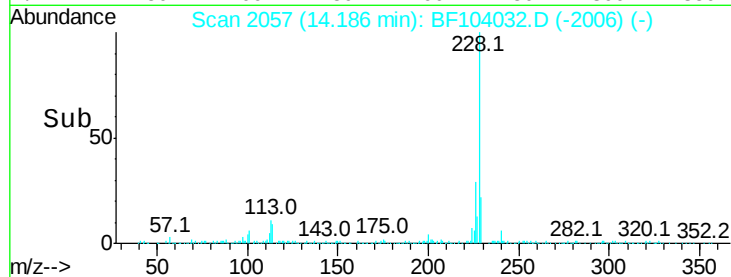
229 23.6 16.2 24.4



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: 2.005 ng

RT: 17.30 min Scan# 2586

Delta R.T. 0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

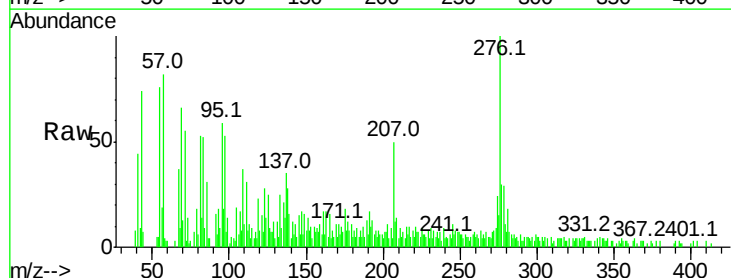
Tgt Ion:276 Resp: 28940

Ion Ratio Lower Upper

276 100

138 25.5 25.0 37.6

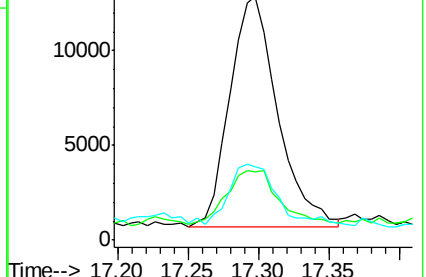
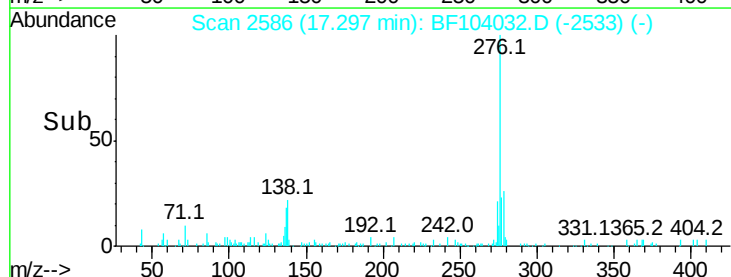
277 26.2 20.1 30.1

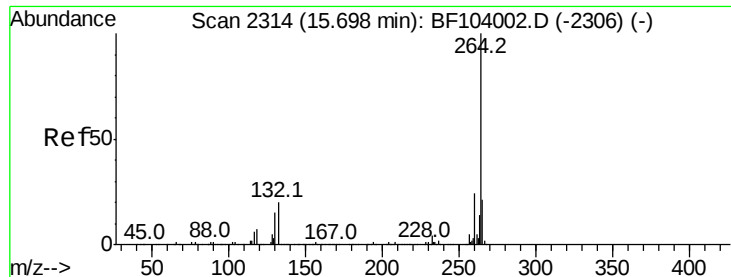


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.70 min Scan# 2315

Delta R.T. 0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

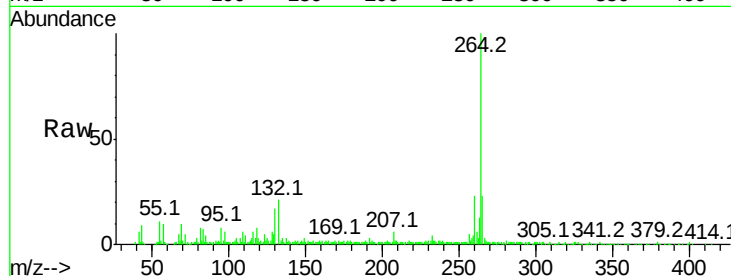
Tot Ion:264 Resp: 175944

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

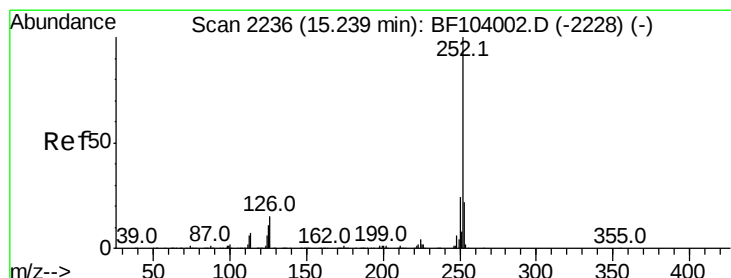
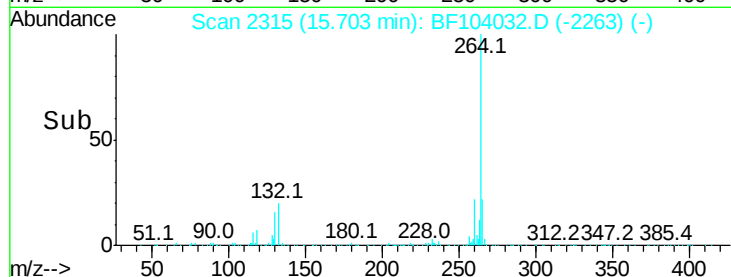
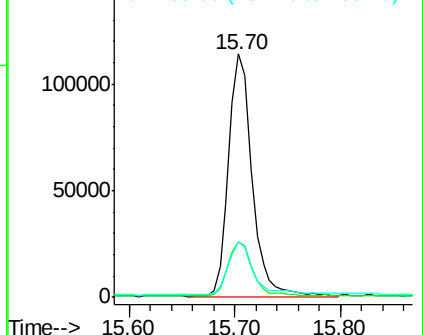
265 22.8 17.5 26.3



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: 11.953 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

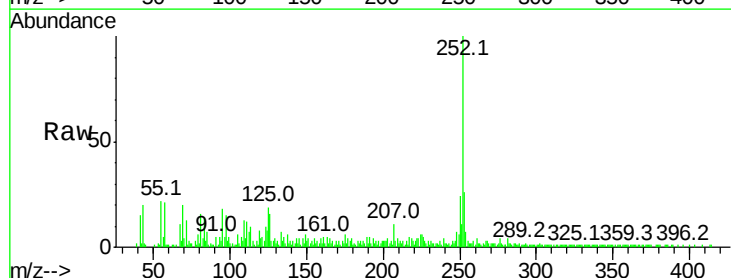
Tgt Ion:252 Resp: 127992

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

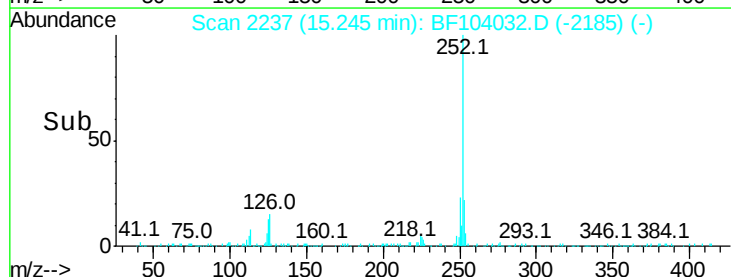
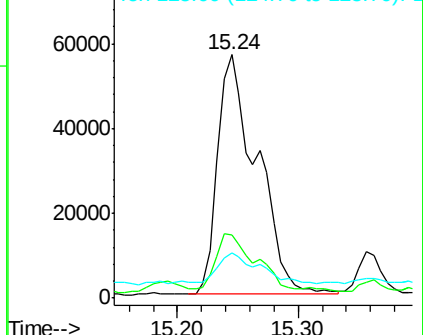
125 18.7 9.0 13.6#

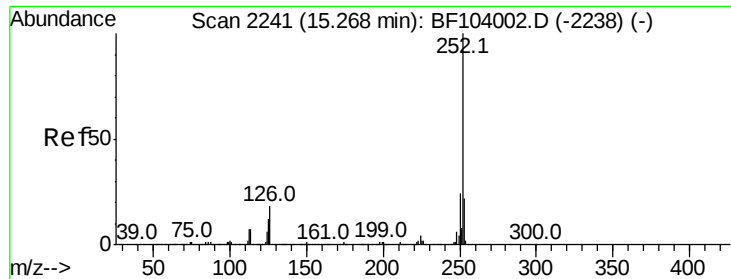


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

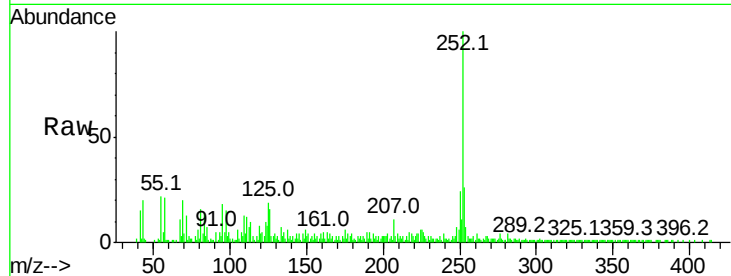




#88
Benzo(k)fluoranthene
Concen: 12.689 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	18.7	10.2	15.2

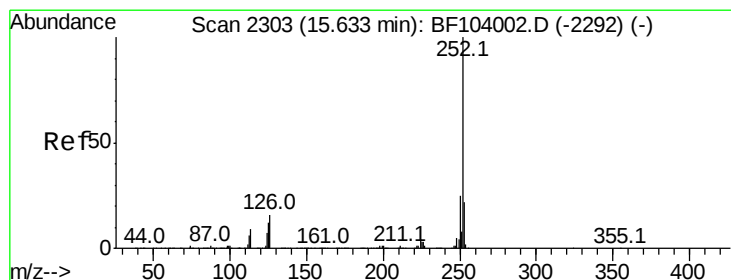
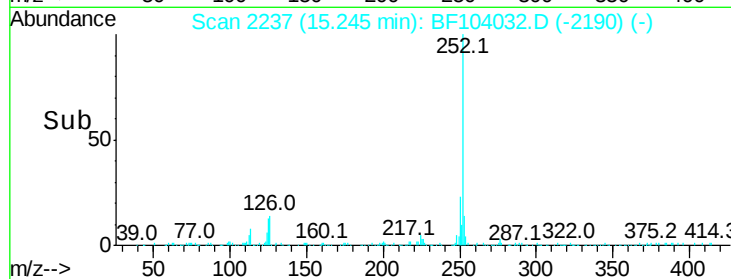
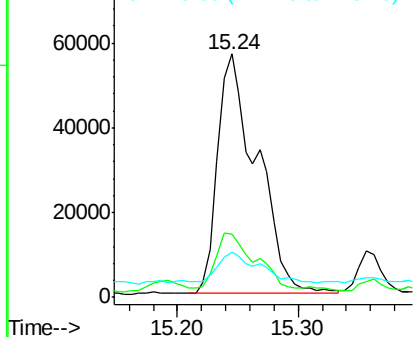


Abundance

Ion 252.00 (251.70 to 252.70): E

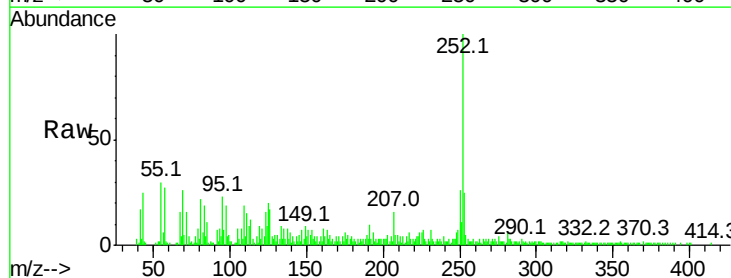
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 6.197 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	19.6	9.8	14.6

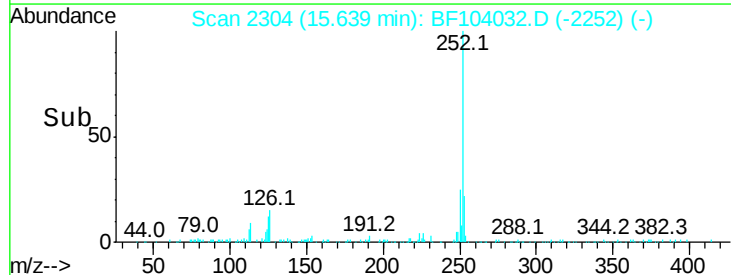
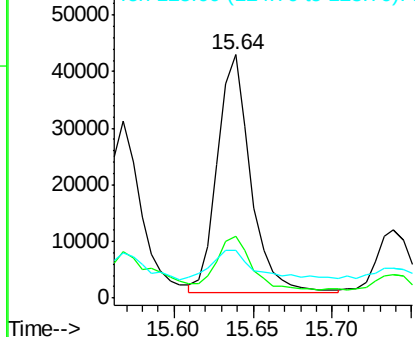


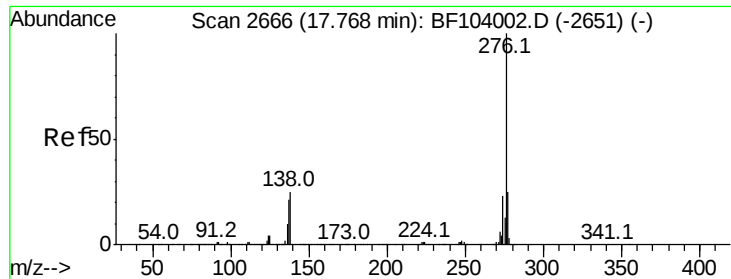
Abundance

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: 2.880 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.02 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

ClientSampleId :

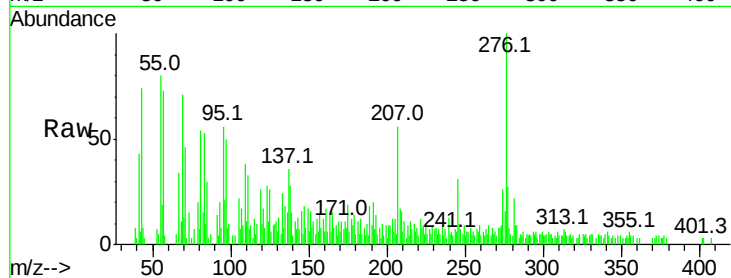
Tot Ion:276 Resp: 26469

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 28.3 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

