

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102047.D
 Acq On : 12 Jan 2018 17:12
 Operator : SJ/JU
 Sample : J1011-14 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 21:54:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	196280	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	690657	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	293836	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	422773	20.00	ng	0.00
75) Chrysene-d12	13.87	240	345764	20.00	ng	0.00
86) Perylene-d12	15.30	264	324121	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	335003	24.10	ng	0.00
7) Phenol-d6	6.35	99	375046	22.61	ng	-0.01
23) Nitrobenzene-d5	7.29	82	222884	18.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	55107	21.49	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	361852	19.24	ng	0.00
78) Terphenyl-d14	12.83	244	240157	14.42	ng	0.00

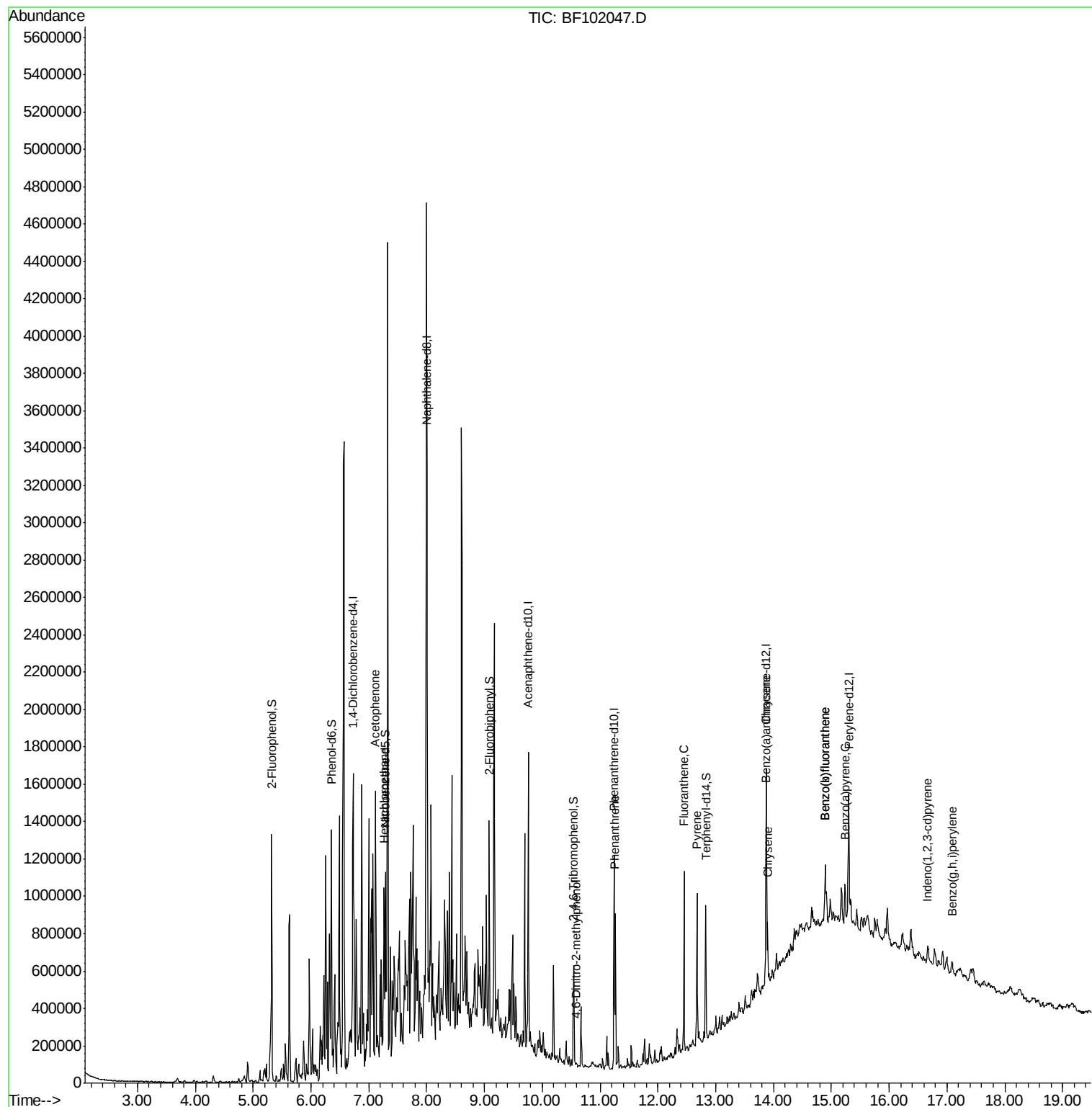
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.26	117	33279	5.893	ng	# 1
22) Acetophenone	7.12	105	162027	9.737	ng	# 53
64) 4,6-Dinitro-2-methylphenol	10.58	198	134	5.714	ng	# 1
70) Phenanthrene	11.26	178	295904	11.982	ng	99
74) Fluoranthene	12.45	202	349597	14.388	ng	100
77) Pyrene	12.68	202	309022	10.111	ng	98
80) Benzo(a)anthracene	13.86	228	128965	5.846	ng	97
82) Chrysene	13.90	228	136105	5.917	ng	96
85) Indeno(1,2,3-cd)pyrene	16.67	276	49199	2.939	ng	99
87) Benzo(b)fluoranthene	14.89	252	201760	9.547	ng	# 85
88) Benzo(k)fluoranthene	14.89	252	201760	9.896	ng	# 88
89) Benzo(a)pyrene	15.24	252	94130	4.950	ng	# 88
91) Benzo(a,h,i)perylene	17.09	276	43865	2.869	ng	# 82

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

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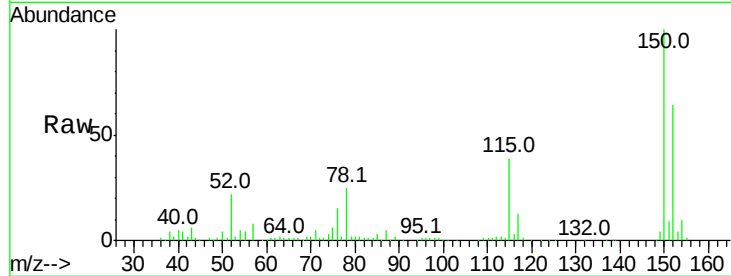


#1

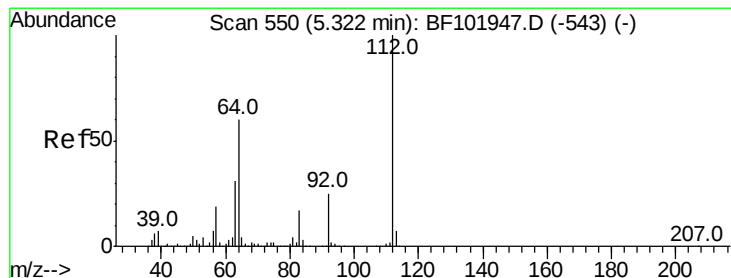
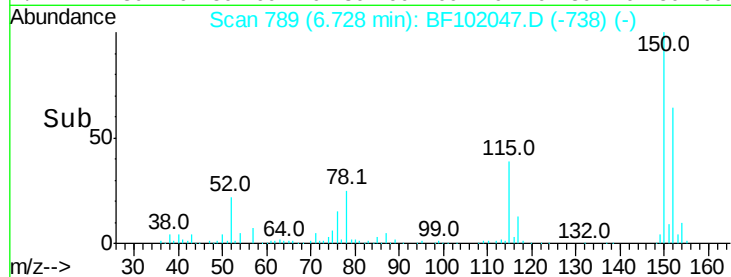
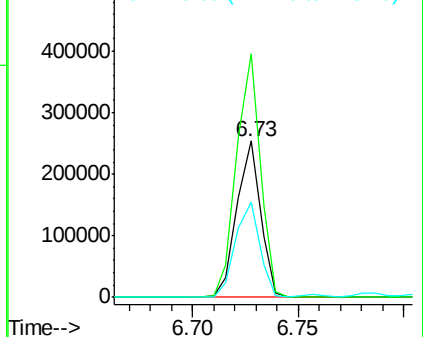
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 196280
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 61.0 50.1 75.1



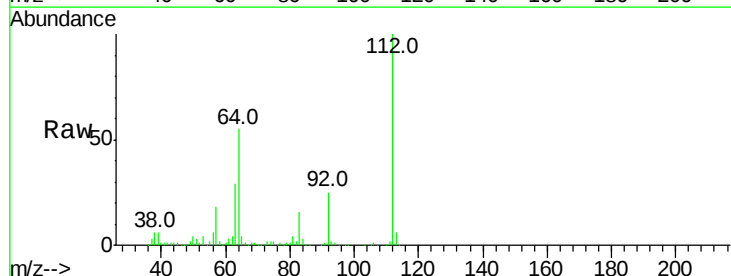
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



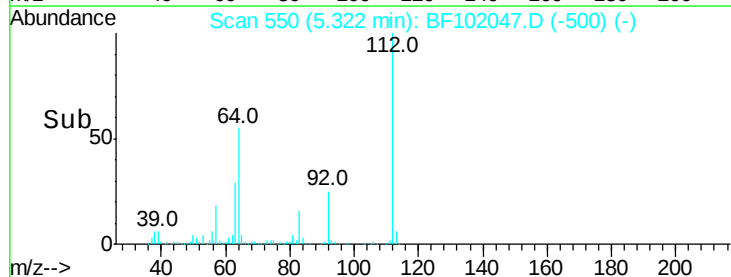
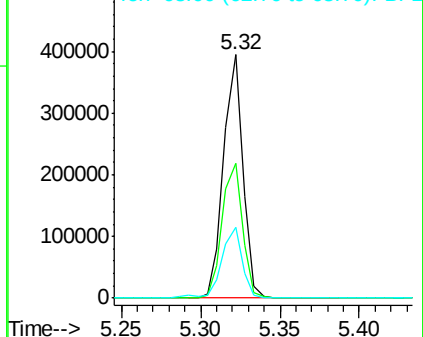
#5

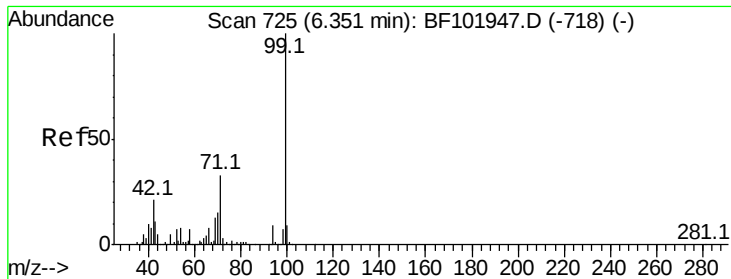
2-Fluorophenol
Concen: 24.101 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Tgt Ion:112 Resp: 335003
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 29.3 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: 22.615 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

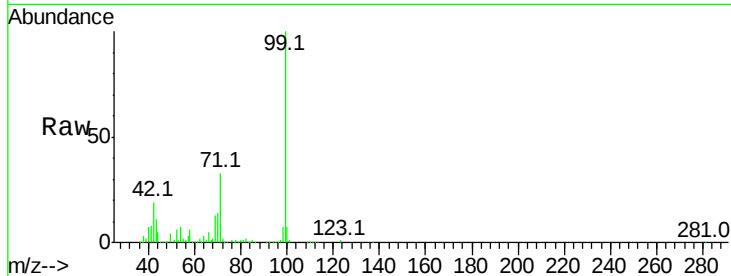
Tot Ion: 99 Resp: 375046

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

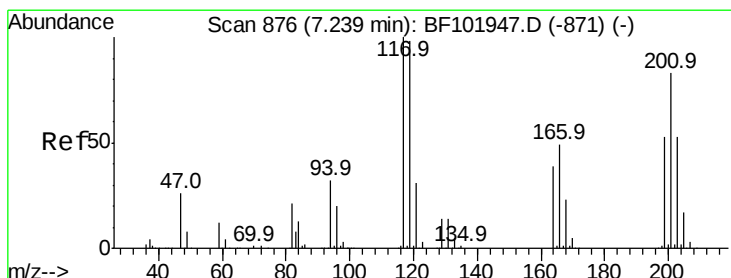
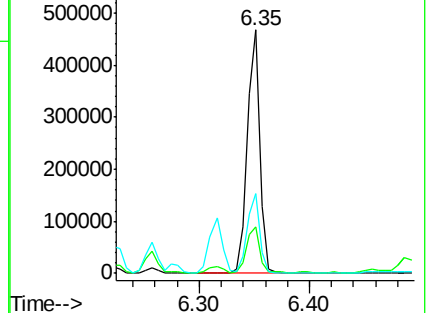
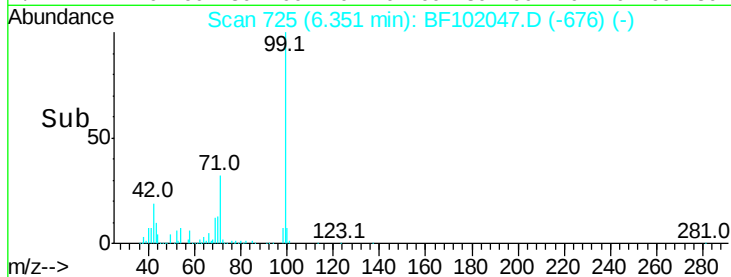
71 32.6 25.4 38.0



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



#18

Hexachloroethane

Concen: 5.893 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.02 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

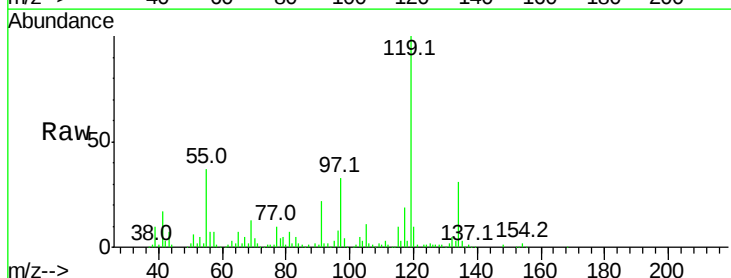
Tgt Ion: 117 Resp: 33279

Ion Ratio Lower Upper

117 100

119 529.6 75.8 113.8#

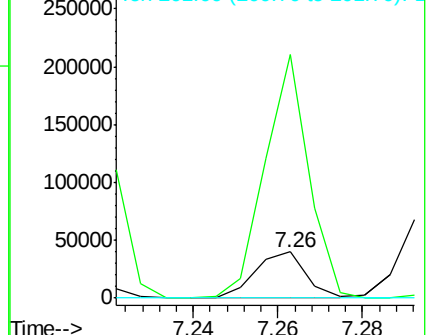
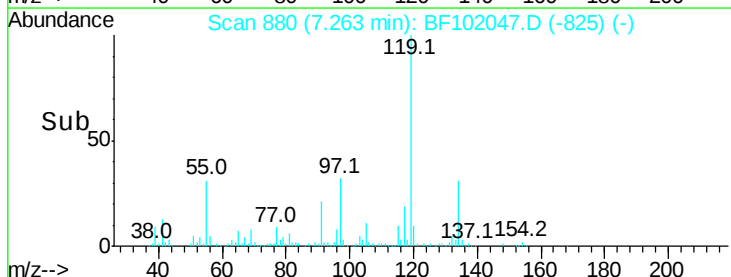
201 0.0 75.7 113.5#

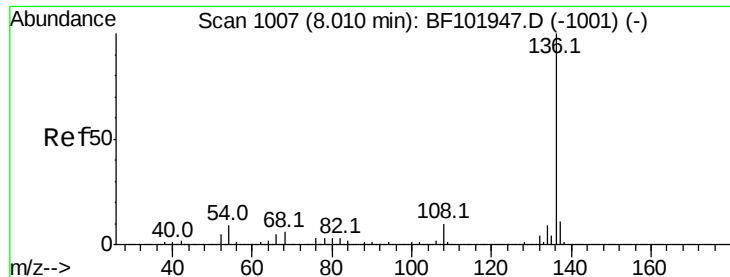


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

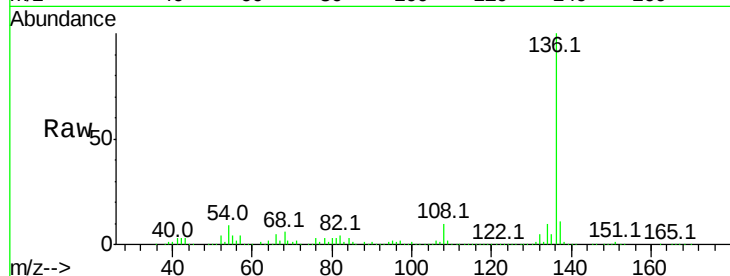




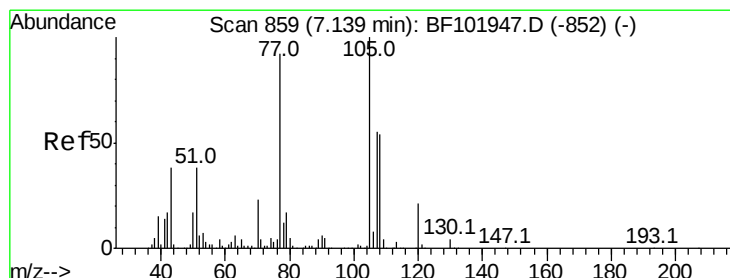
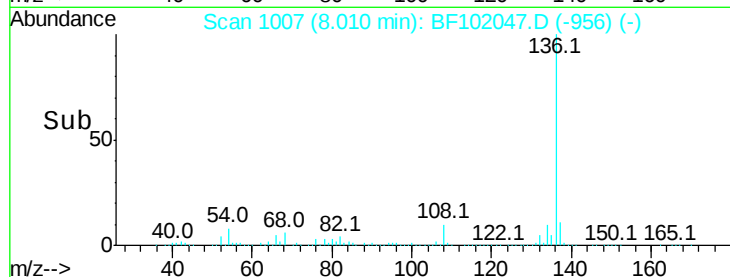
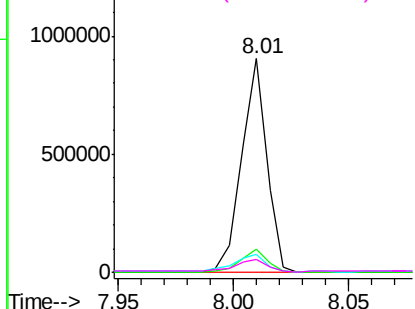
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 690657
Ion Ratio	Lower Upper
136 100	
137 11.1	8.9 13.3
54 8.6	6.6 9.8
68 6.1	5.0 7.4

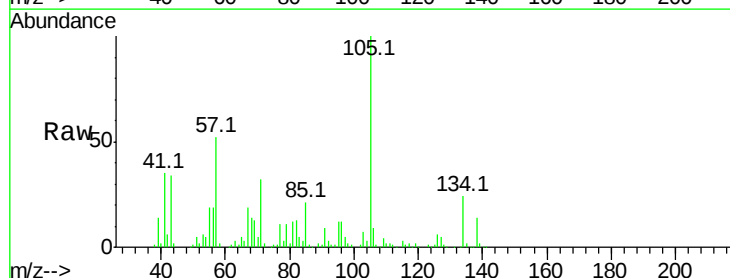


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

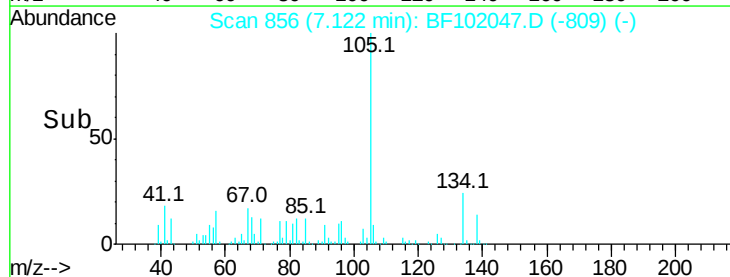
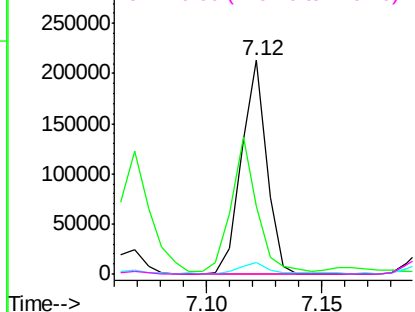


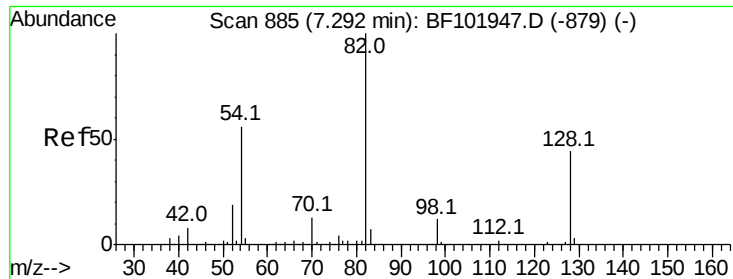
#22
Acetophenone
Concen: 9.737 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Tgt	Ion:105	Resp:	162027
Ion	Ratio	Lower	Upper
105	100		
71	31.5	4.4	6.6#
51	5.5	22.3	33.5#
120	0.2	16.9	25.3#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

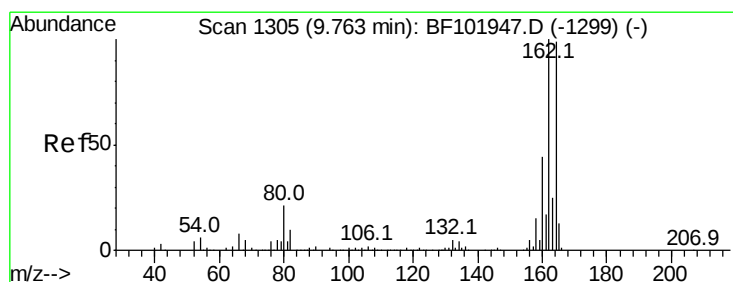
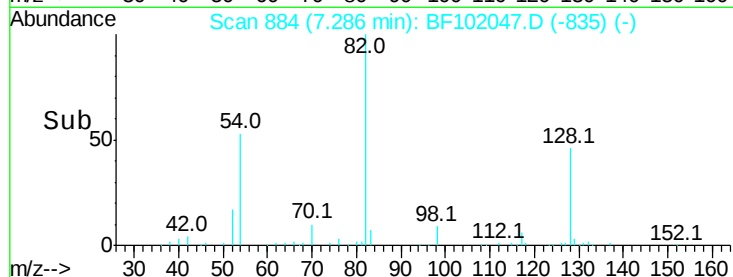
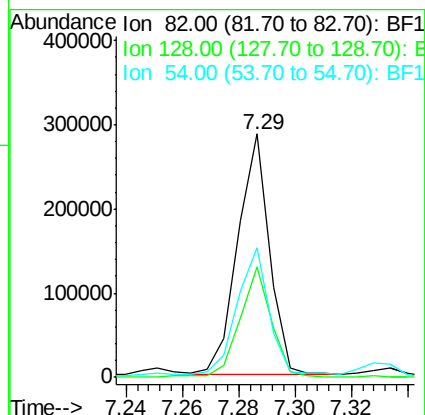
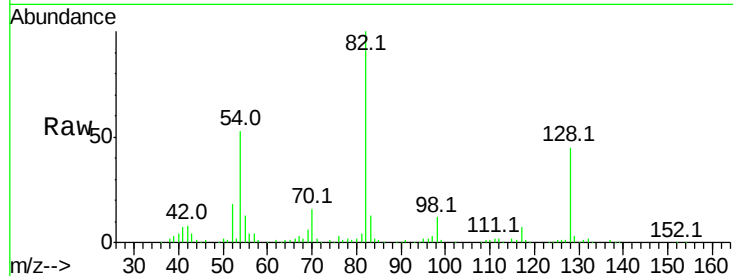




#23
Nitrobenzene-d5
Concen: 18.964 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

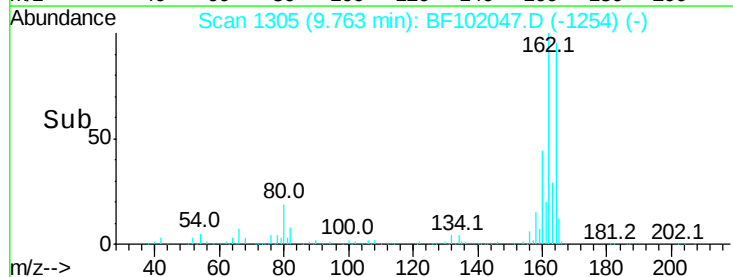
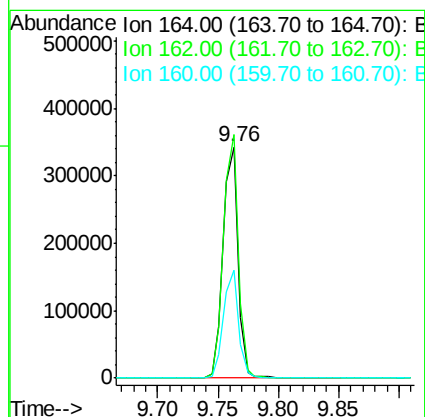
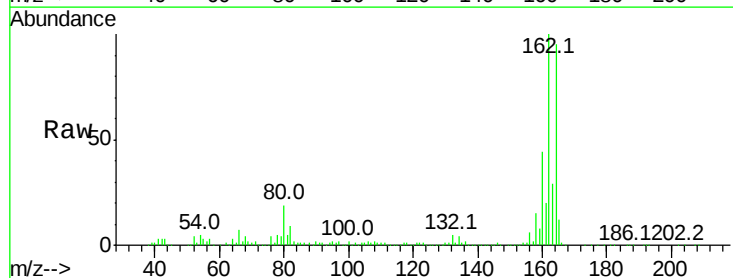
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	53.1	41.4	62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	46.7	38.3	57.5

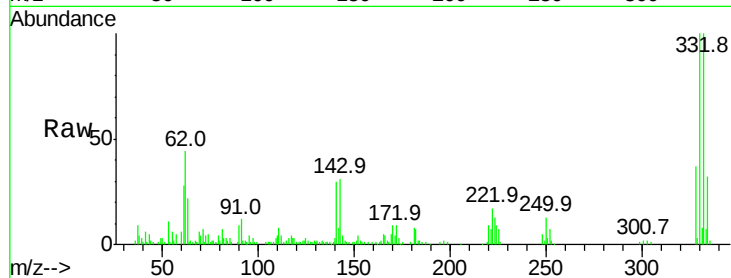




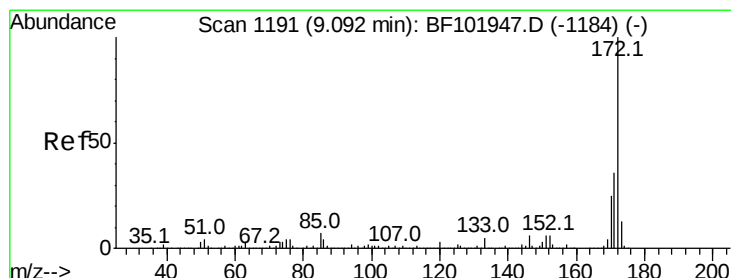
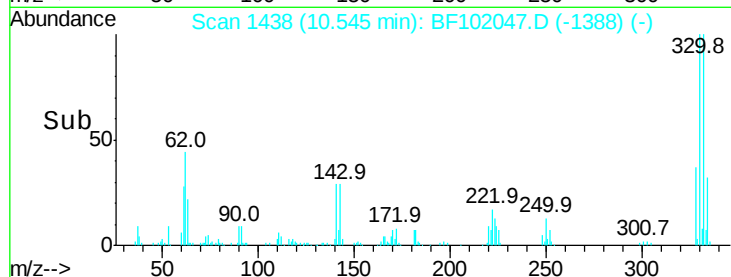
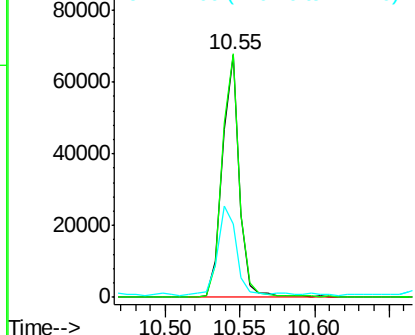
#41
 2,4,6-Tribromophenol
 Concen: 21.490 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102047.D
 Acq: 12 Jan 2018 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 55107
 Ion Ratio Lower Upper
 330 100
 332 100.8 77.0 115.6
 141 39.2 29.9 44.9

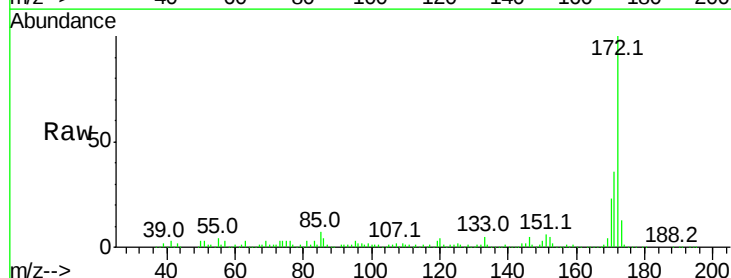


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

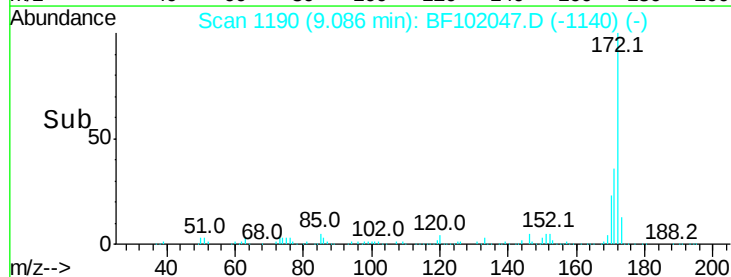
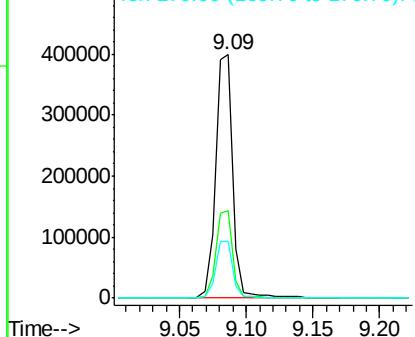


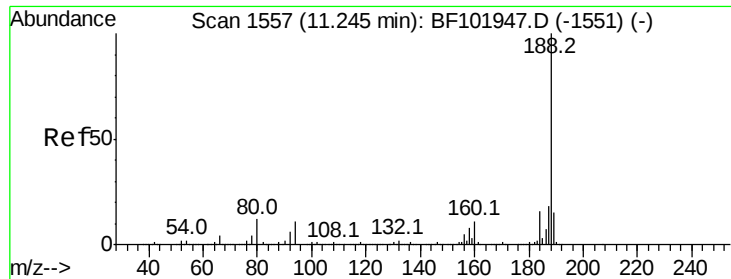
#44
 2-Fluorobiphenyl
 Concen: 19.239 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF102047.D
 Acq: 12 Jan 2018 17:12

Tgt Ion:172 Resp: 361852
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

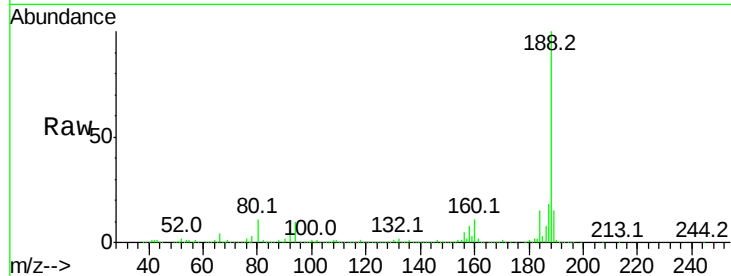




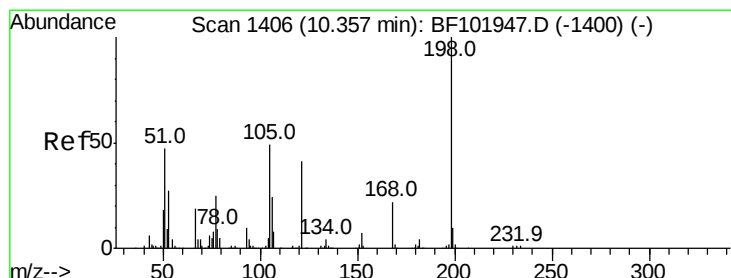
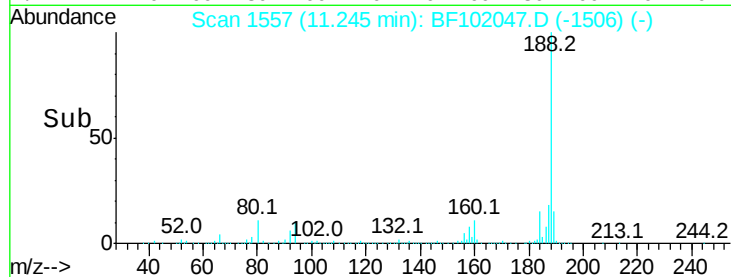
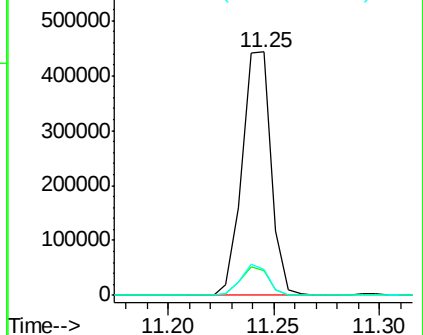
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF102047.D
 Acq: 12 Jan 2018 17:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 422773
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 10.8 9.2 13.8

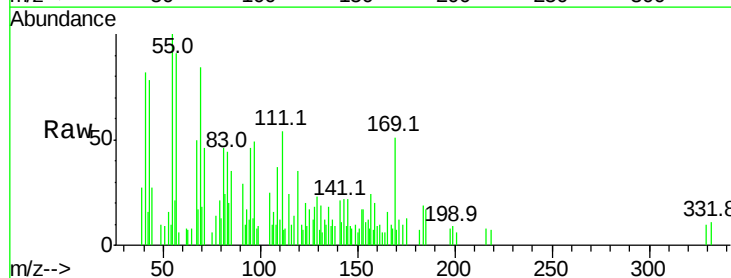


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

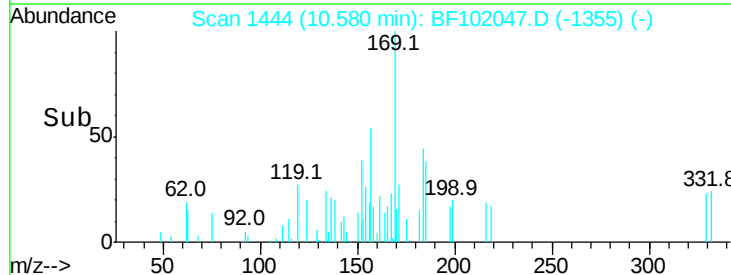
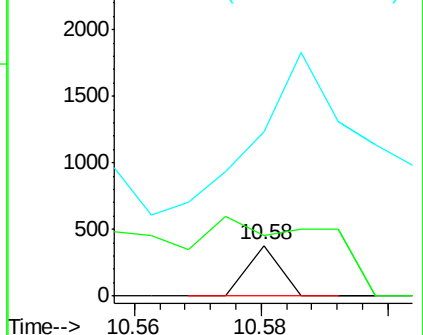


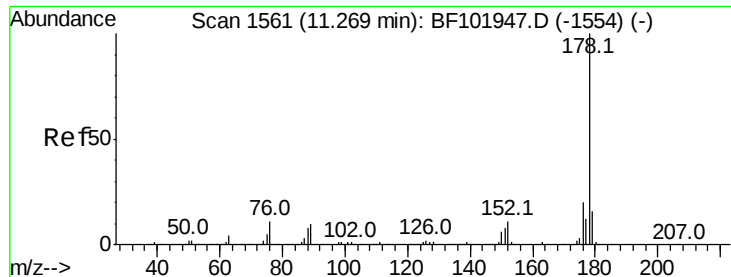
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.714 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.22 min
 Lab File: BF102047.D
 Acq: 12 Jan 2018 17:12

Tgt Ion:198 Resp: 134
 Ion Ratio Lower Upper
 198 100
 51 120.3 37.7 77.7#
 105 326.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 11.982 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

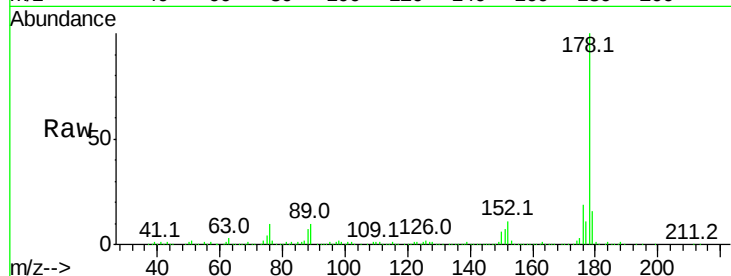
Tot Ion:178 Resp: 295904

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

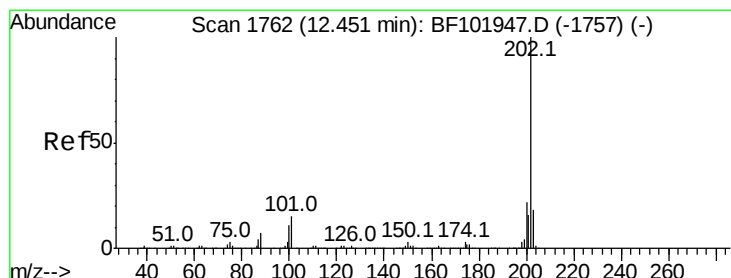
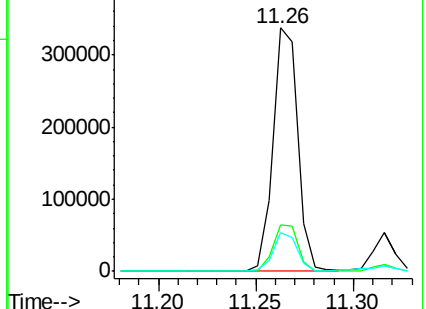
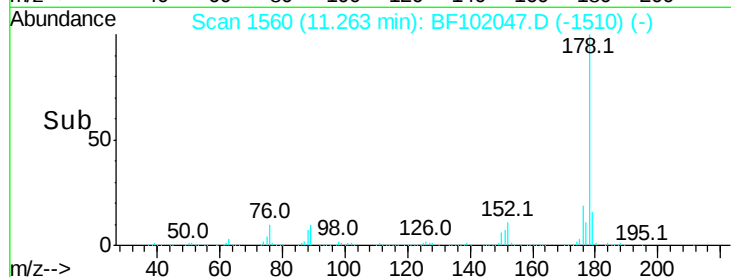
179 15.9 13.0 19.6



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



#74

Fluoranthene

Concen: 14.388 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

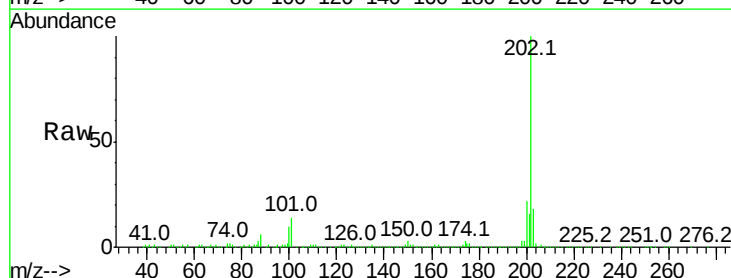
Tgt Ion:202 Resp: 349597

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

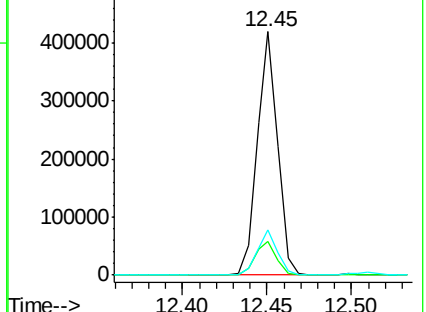
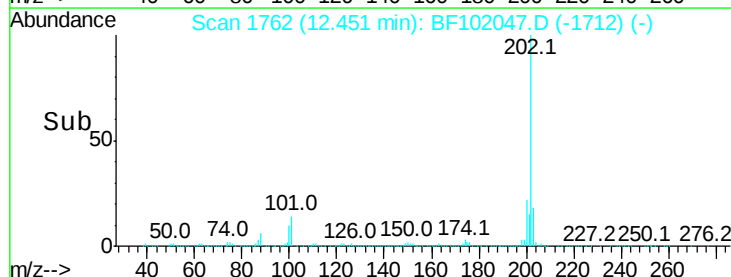
203 18.5 0.0 38.1

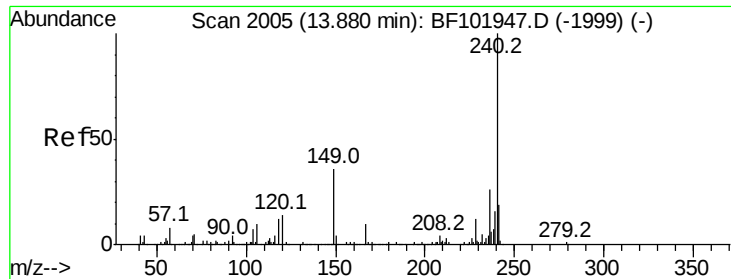


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

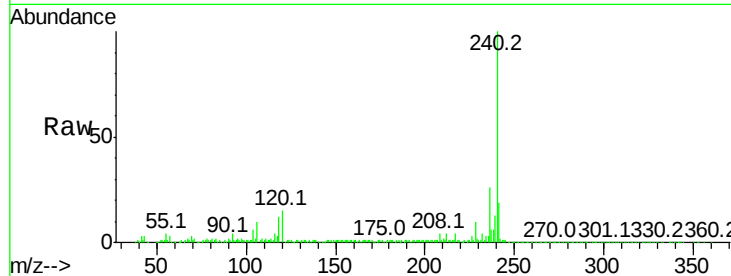
Tot Ion:240 Resp: 345764

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

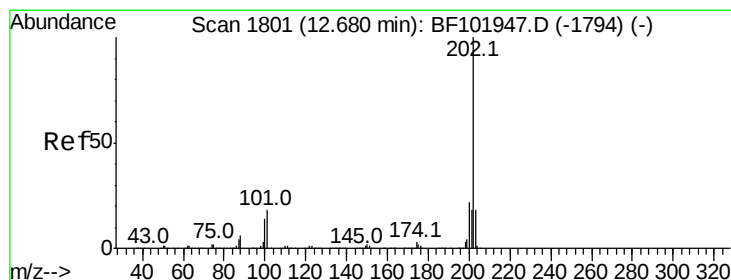
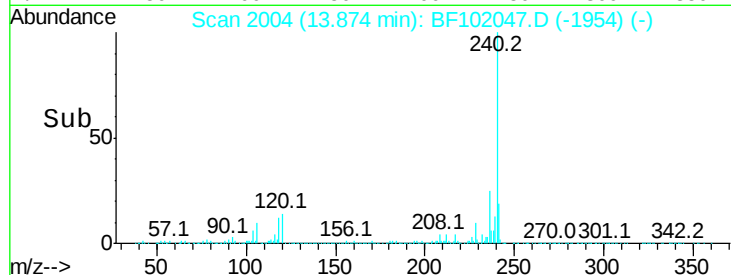
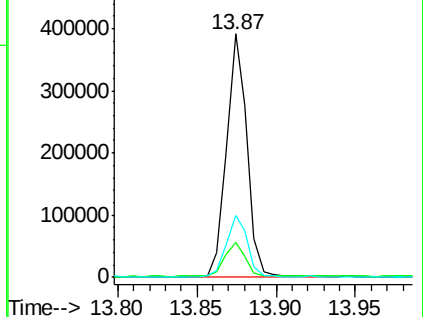
236 25.6 20.7 31.1



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: 10.111 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

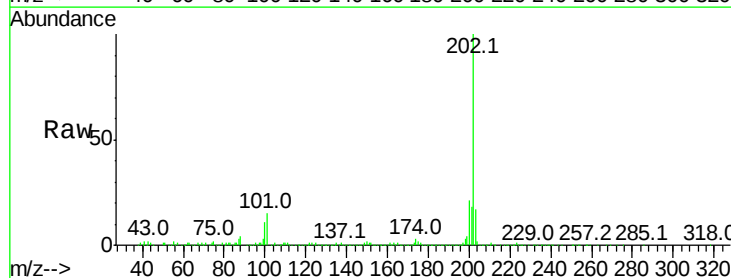
Tgt Ion:202 Resp: 309022

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

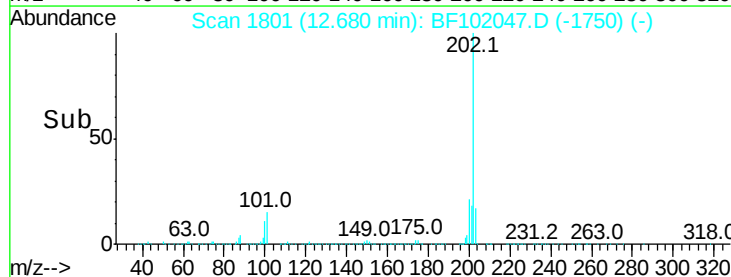
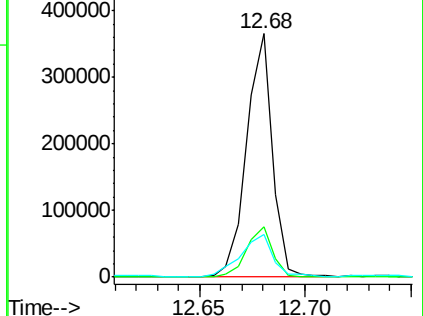
203 17.4 14.3 21.5

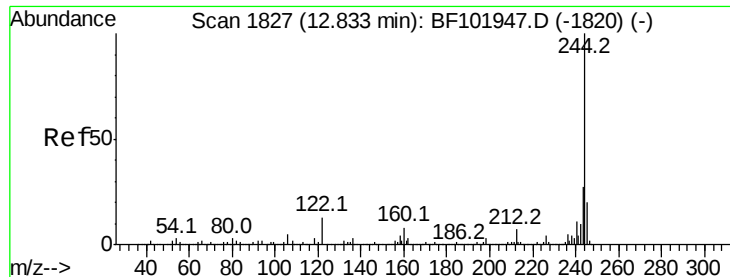


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.421 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

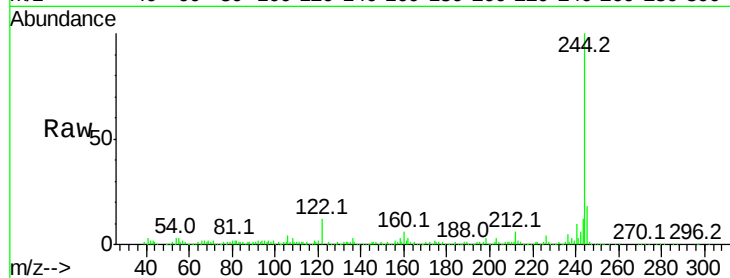
Tot Ion:244 Resp: 240157

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

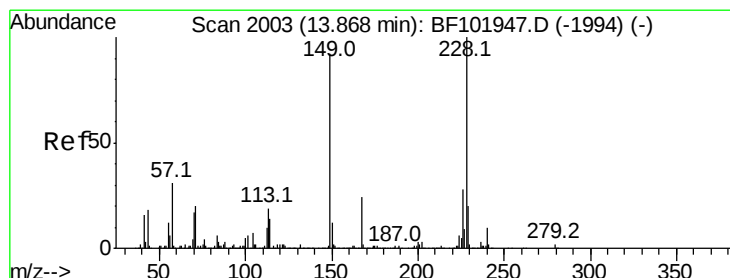
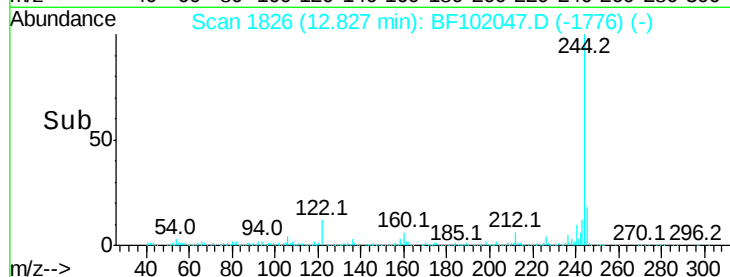
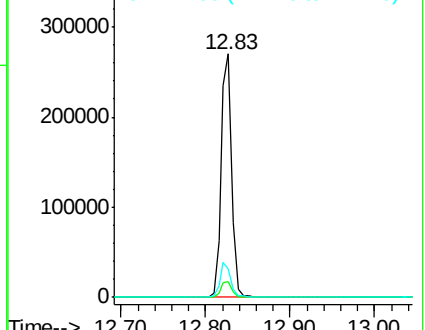
122 11.9 11.0 16.4



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: 5.846 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

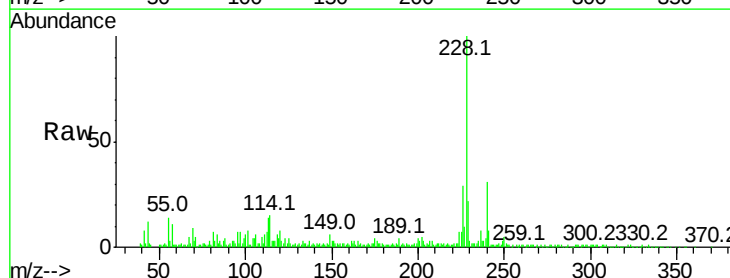
Tgt Ion:228 Resp: 128965

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

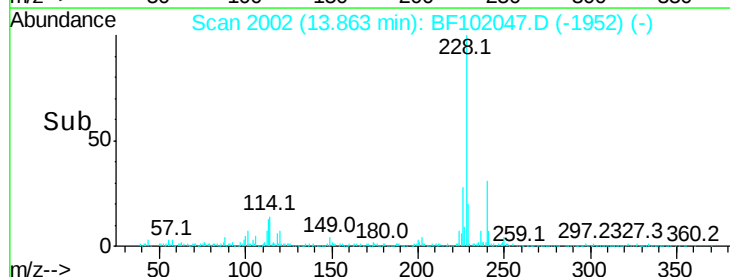
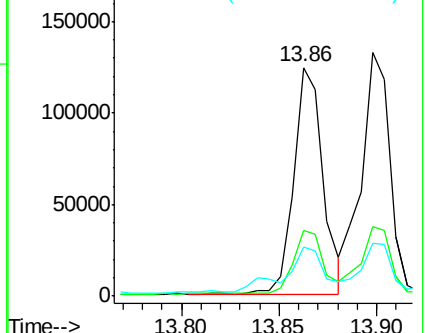
229 21.6 15.8 23.6

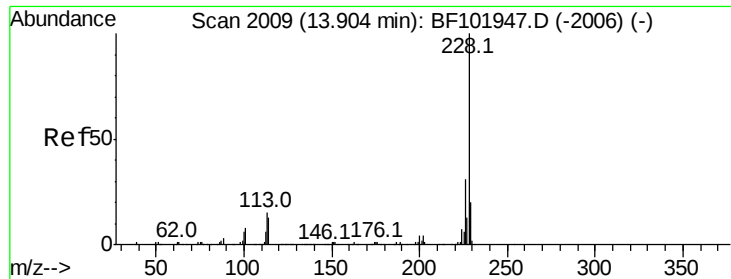


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

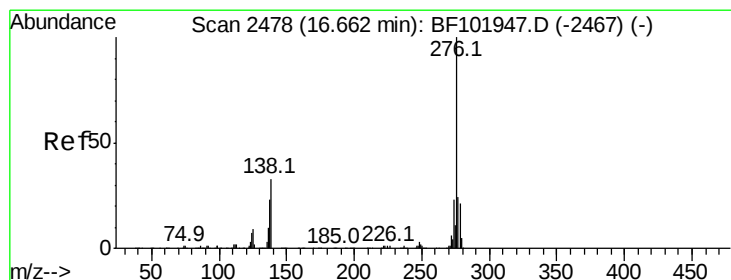
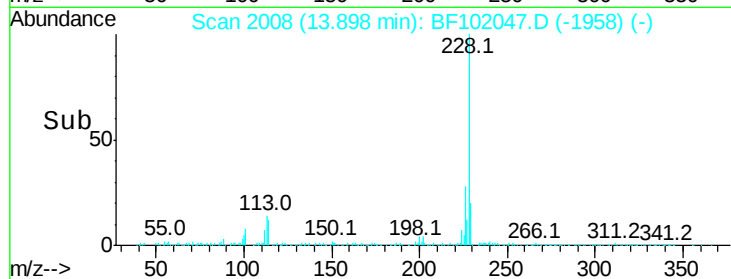
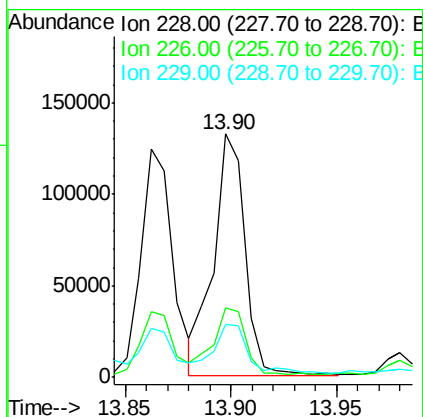
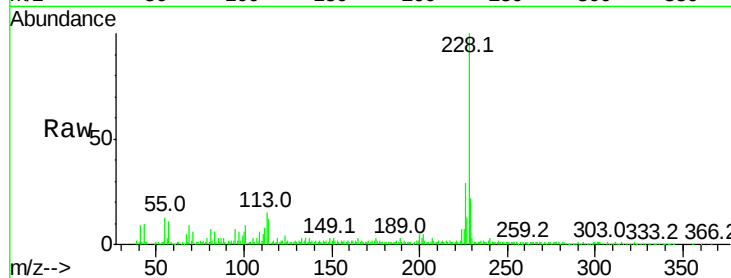




#82
Chrysene
Concen: 5.917 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

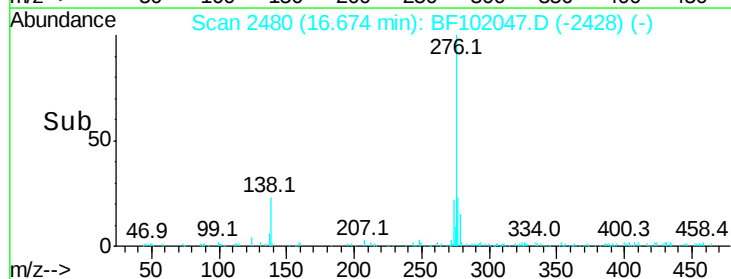
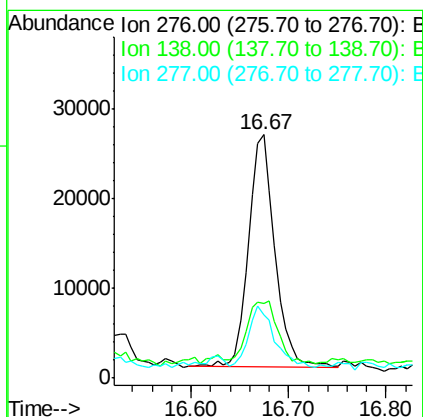
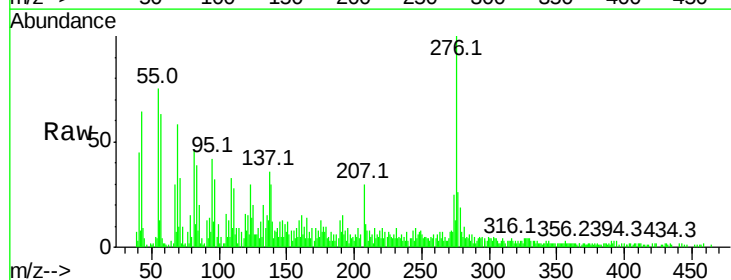
Instrument :
BNA_F
ClientSampleId :

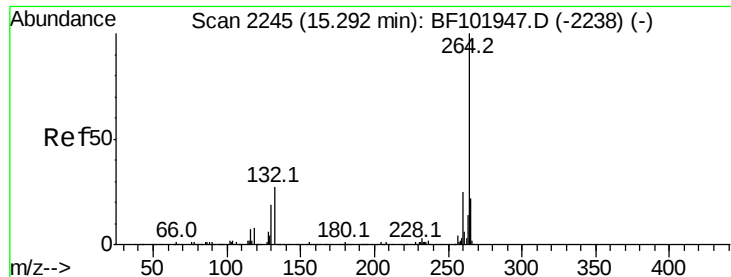
Tot Ion:228 Resp: 136105
Ion Ratio Lower Upper
228 100
226 28.6 25.0 37.6
229 21.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.939 ng
RT: 16.67 min Scan# 2480
Delta R.T. 0.01 min
Lab File: BF102047.D
Acq: 12 Jan 2018 17:12

Tgt Ion:276 Resp: 49199
Ion Ratio Lower Upper
276 100
138 31.5 25.0 37.6
277 25.6 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

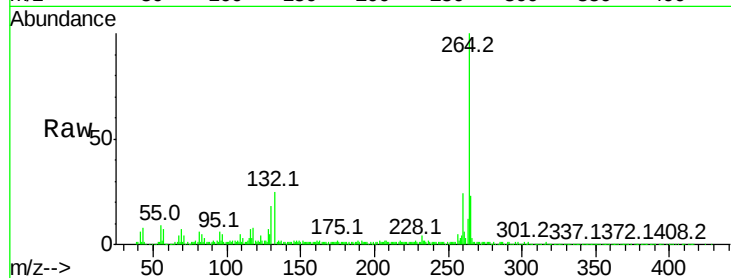
Tot Ion:264 Resp: 324121

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	17.5	26.3

264 100

260 23.9 19.2 28.8

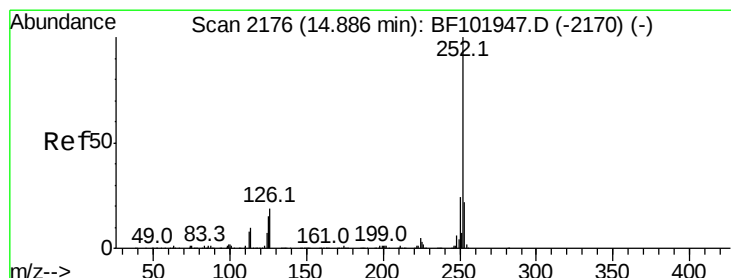
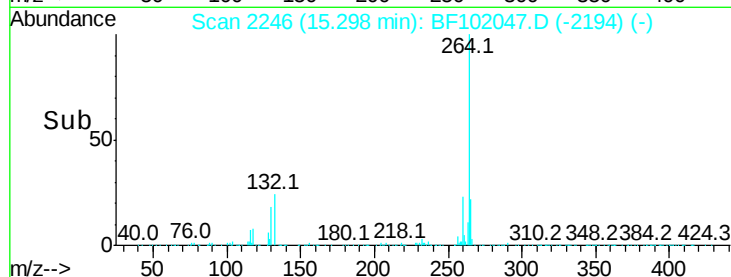
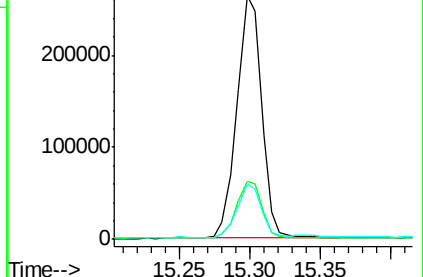
265 22.7 17.5 26.3



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: 9.547 ng

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

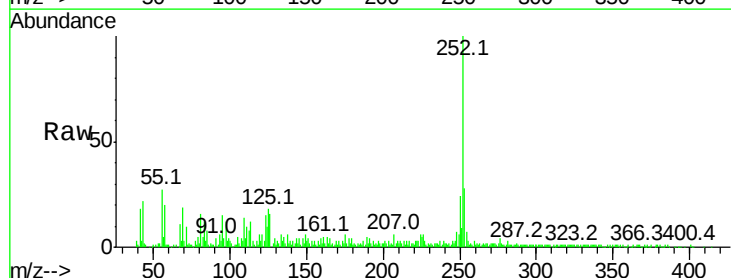
Tgt Ion:252 Resp: 201760

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.0	25.6#
125	17.8	9.0	13.6#

252 100

253 27.6 17.0 25.6#

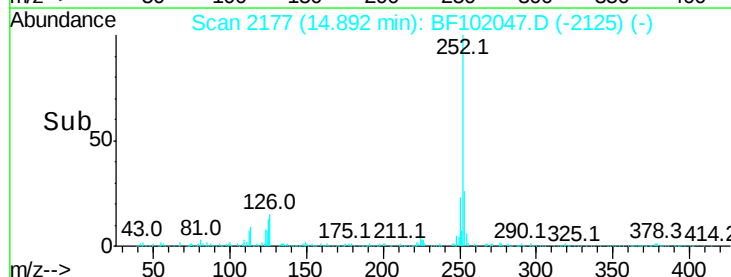
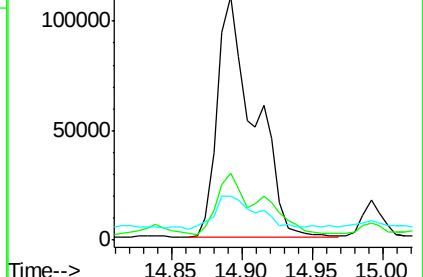
125 17.8 9.0 13.6#

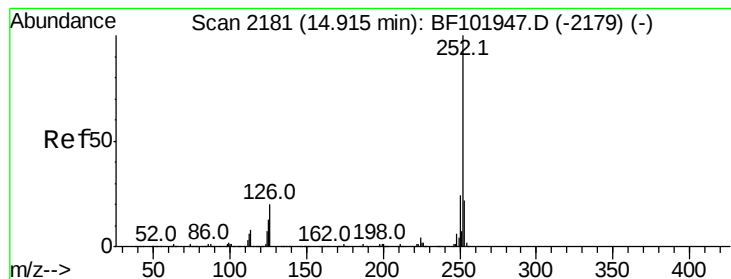


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.896 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

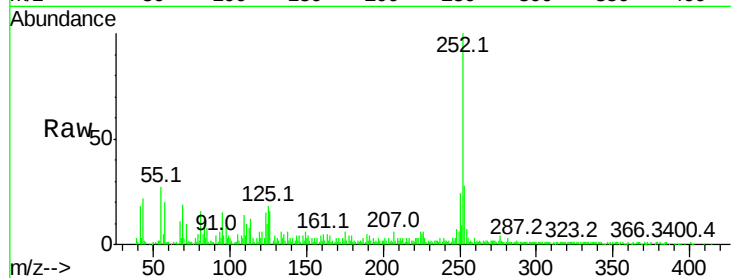
Tot Ion:252 Resp: 201760

Ion Ratio Lower Upper

252 100

253 27.6 17.9 26.9#

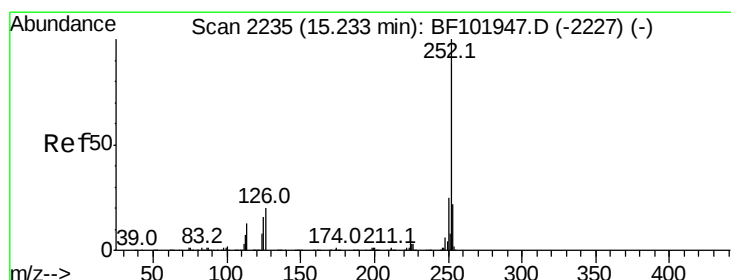
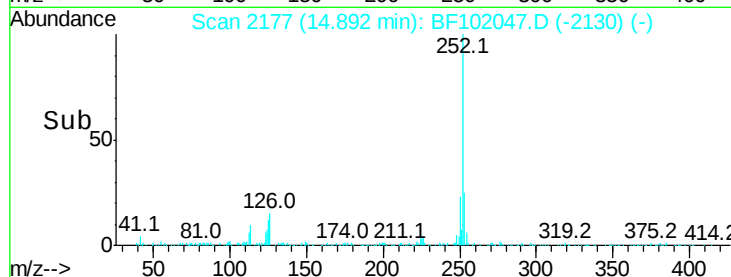
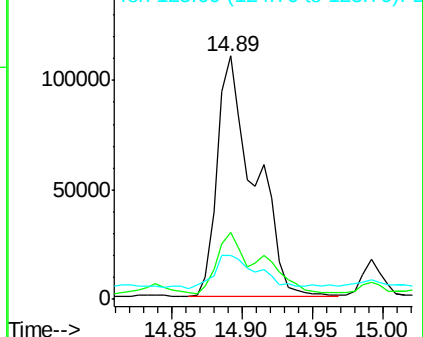
125 17.8 10.2 15.2#



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: 4.950 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102047.D

Acq: 12 Jan 2018 17:12

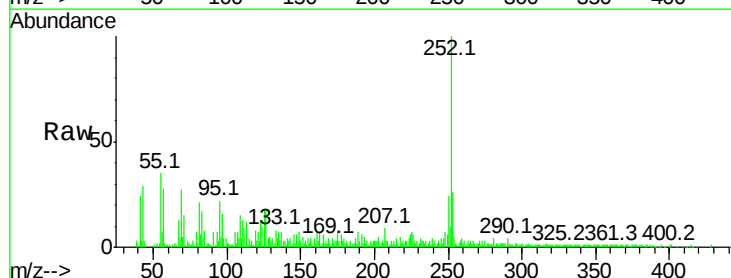
Tgt Ion:252 Resp: 94130

Ion Ratio Lower Upper

252 100

253 26.3 17.1 25.7#

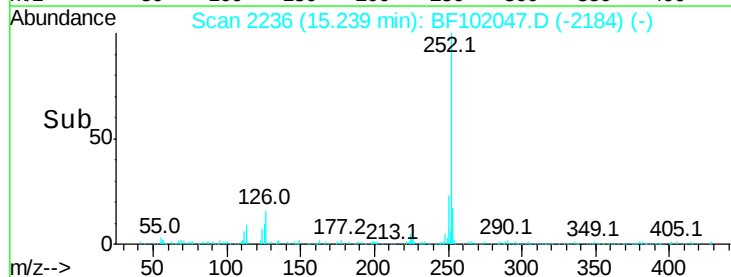
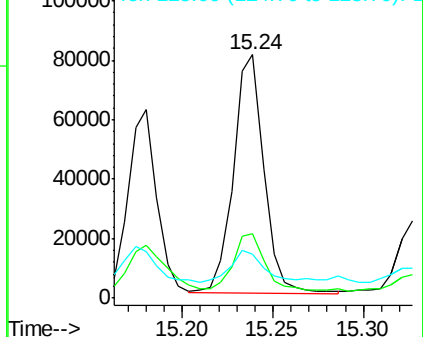
125 18.0 9.8 14.6#

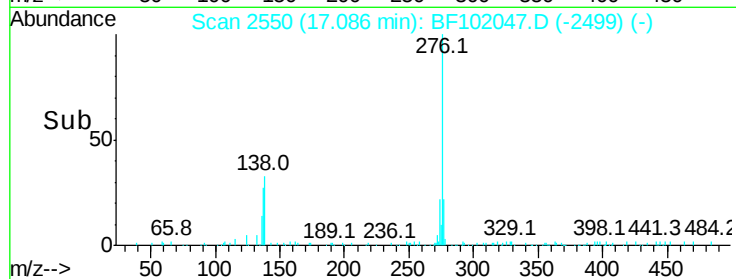
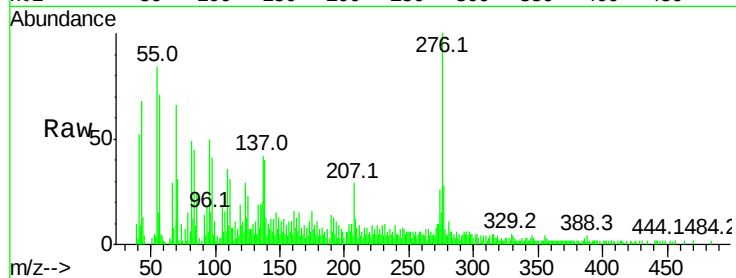
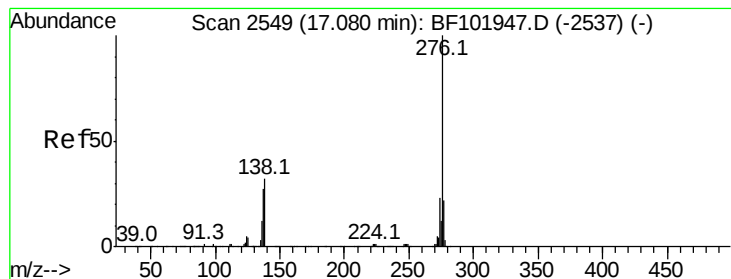


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.869 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BF102047.D
 Acq: 12 Jan 2018 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9
138	39.7	21.8	32.8

