

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102231.D
 Acq On : 19 Jan 2018 21:58
 Operator : SJ/JU
 Sample : J1018-08 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 20 00:22:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151550	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	616866	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	263595	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	407568	20.00	ng	0.00
75) Chrysene-d12	13.87	240	266306	20.00	ng	0.00
86) Perylene-d12	15.30	264	273715	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	525558	48.97	ng	0.00
7) Phenol-d6	6.35	99	629344	49.15	ng	-0.02
23) Nitrobenzene-d5	7.28	82	378538	36.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	122754	53.36	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	613198	36.34	ng	-0.01
78) Terphenyl-d14	12.83	244	394693	30.77	ng	0.00

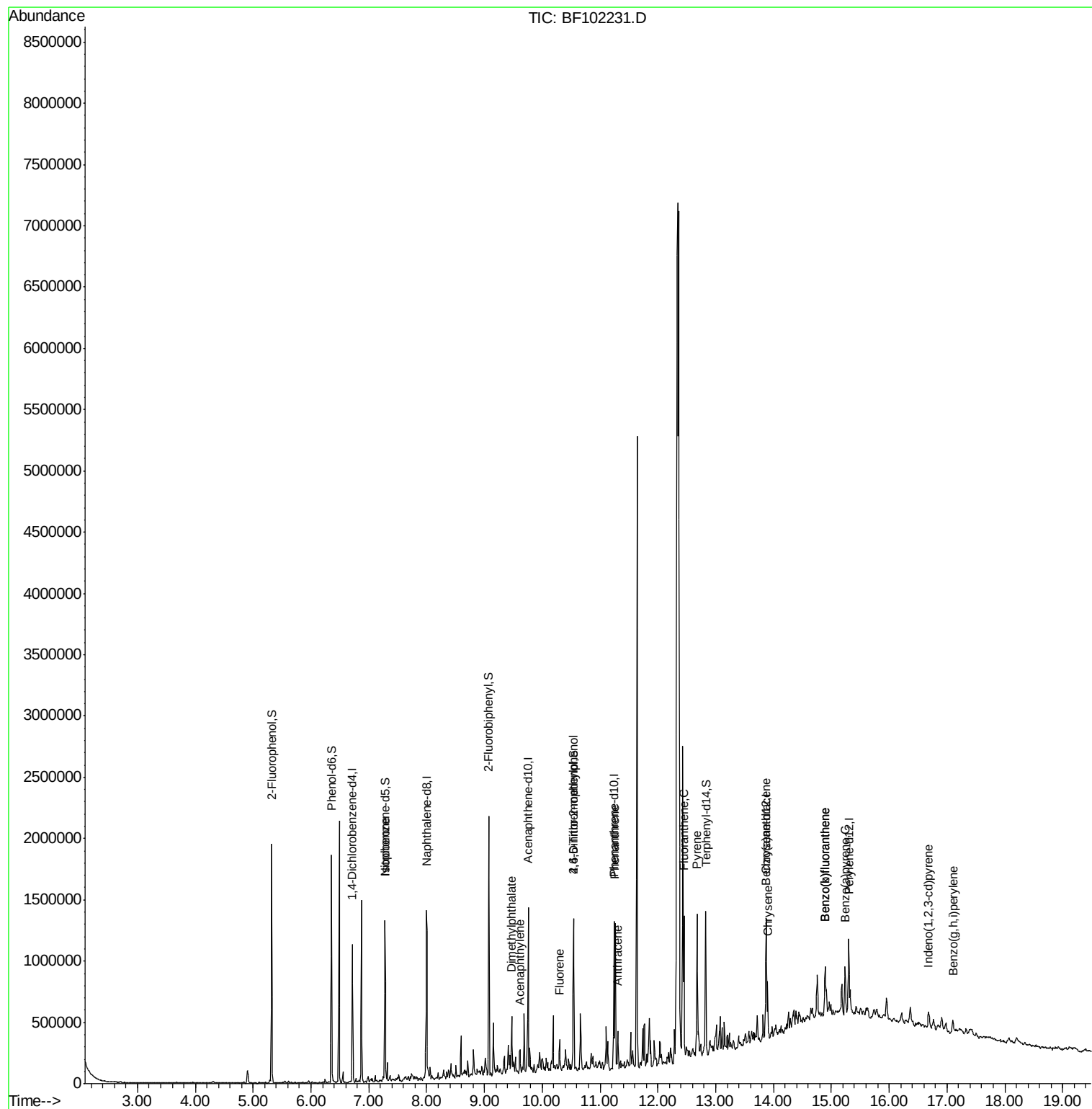
Target Compounds				Qvalue		
25) Isophorone	7.28	82	375887	18.122	ng	# 64
48) Acenaphthylene	9.62	152	60753	2.119	ng	98
49) Dimethylphthalate	9.47	163	111114	5.255	ng	99
57) Fluorene	10.30	166	61771	3.741	ng	98
64) 4,6-Dinitro-2-methylphenol	10.54	198	219	5.749	ng	# 1
70) Phenanthrene	11.26	178	397946	16.715	ng	99
71) Anthracene	11.31	178	108002	4.473	ng	97
74) Fluoranthene	12.45	202	435012	18.572	ng	99
77) Pyrene	12.68	202	453197	19.252	ng	99
80) Benzo(a)anthracene	13.86	228	193732	11.402	ng	93
82) Chrysene	13.90	228	176650	9.971	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	79315	6.151	ng	95
87) Benzo(b)fluoranthene	14.89	252	281770	15.788	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	281770	16.366	ng	95
89) Benzo(a)pyrene	15.24	252	165481	10.304	ng	94
91) Benzo(g,h,i)perylene	17.10	276	75038	5.812	ng	95

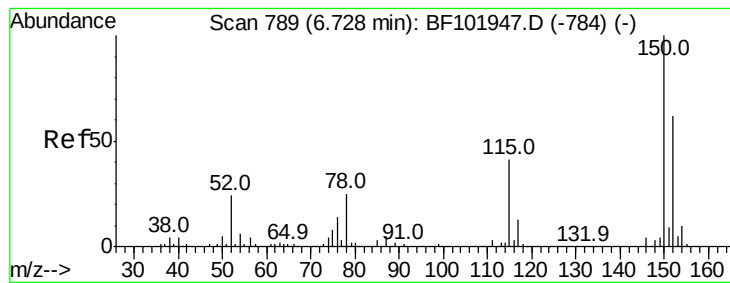
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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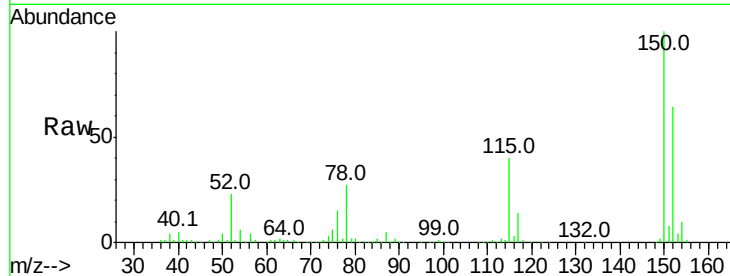


#1

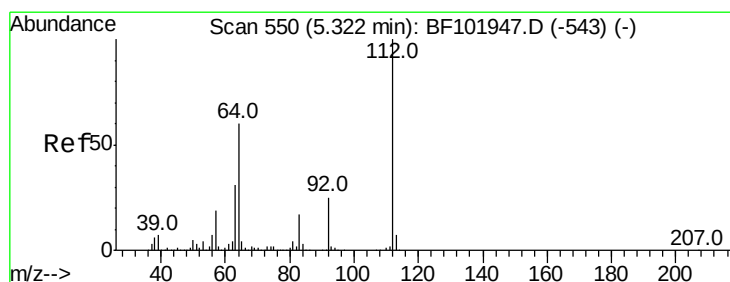
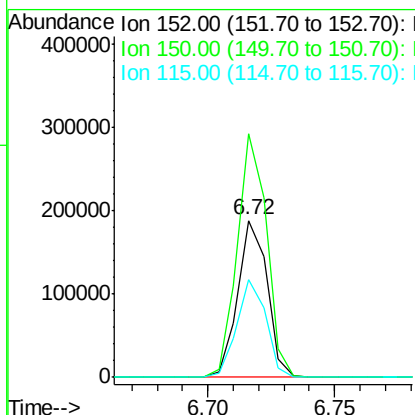
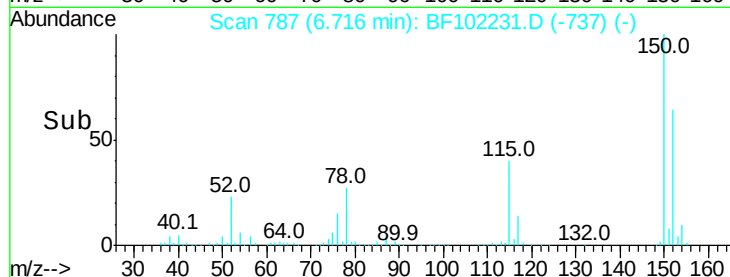
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	62.7	50.1	75.1



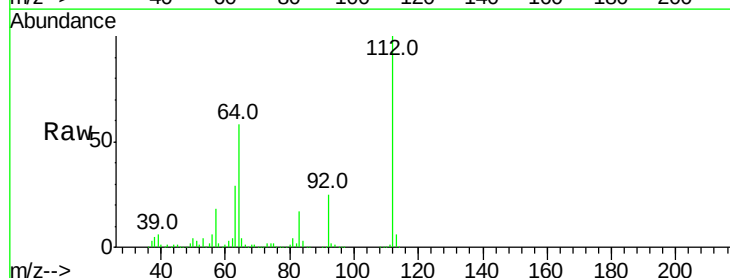
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



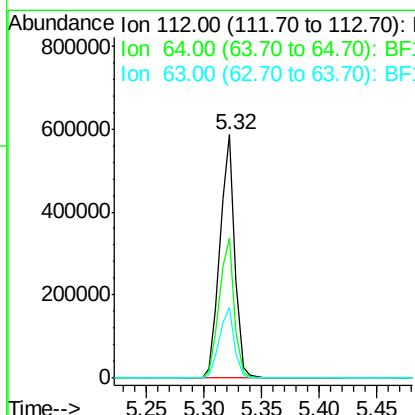
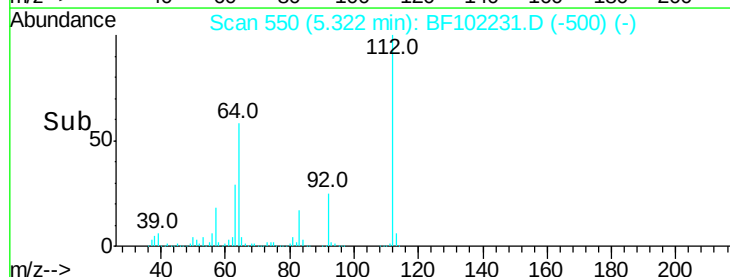
#5

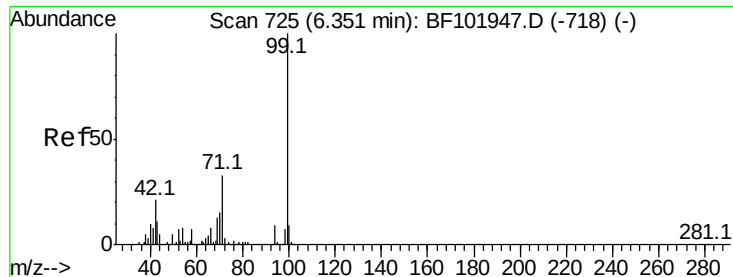
2-Fluorophenol
Concen: 48.969 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.01 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	29.0	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: 49.149 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

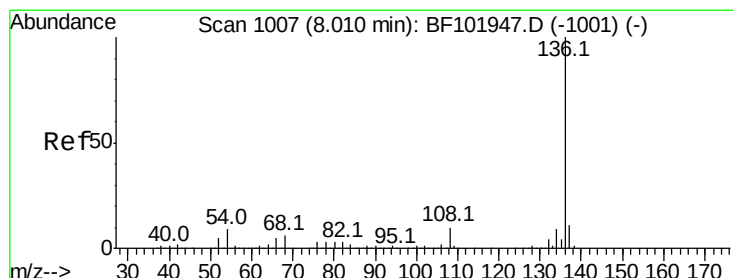
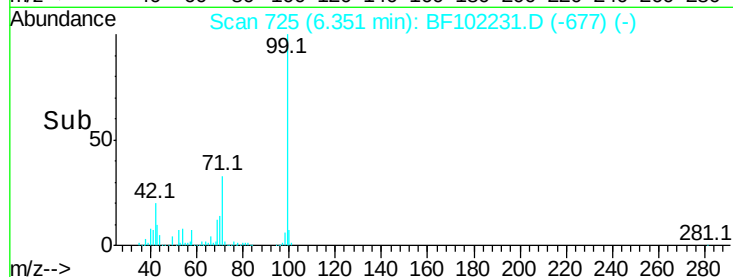
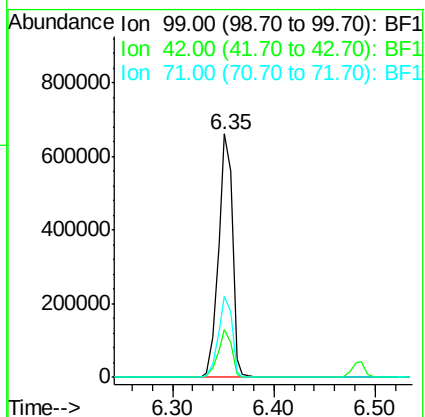
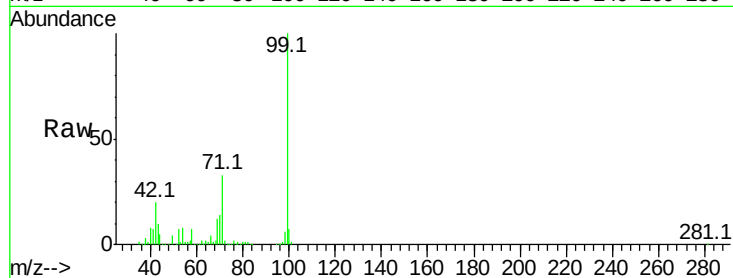
Tot Ion: 99 Resp: 629344

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Tgt Ion: 136 Resp: 616866

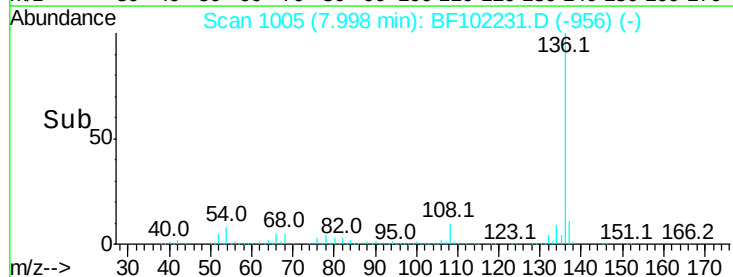
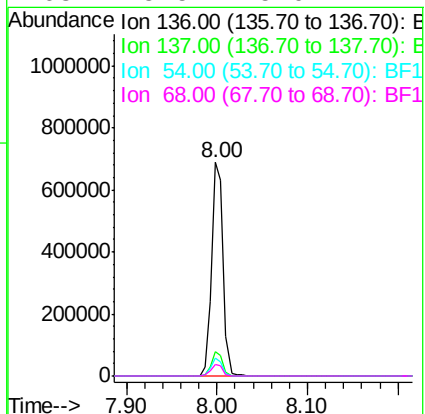
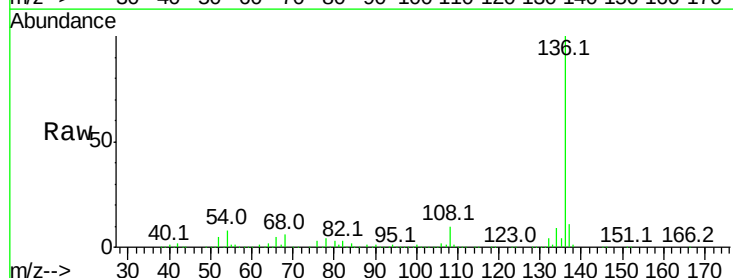
Ion Ratio Lower Upper

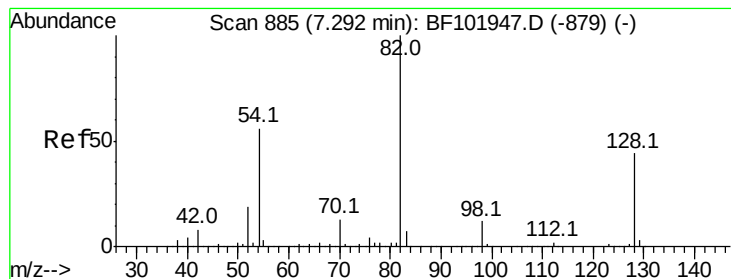
136 100

137 11.3 8.9 13.3

54 8.5 6.6 9.8

68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 36.060 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

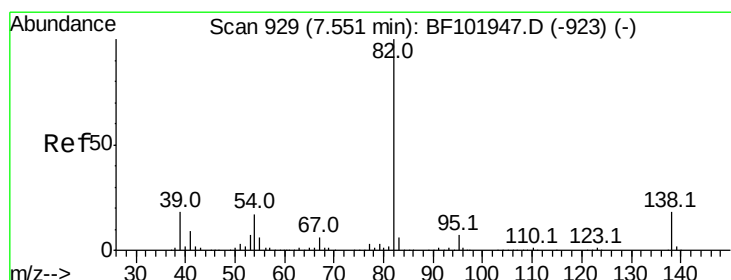
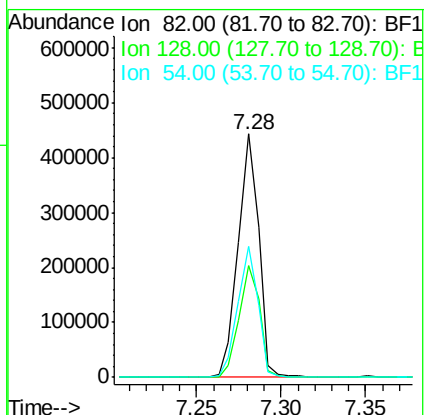
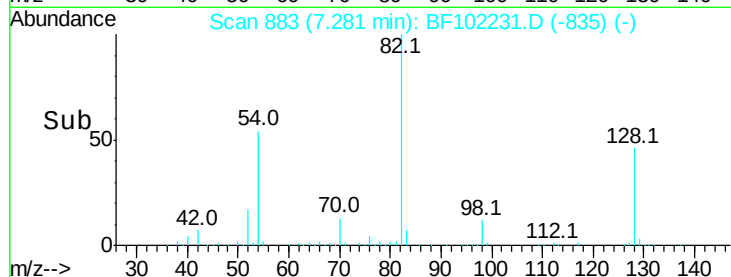
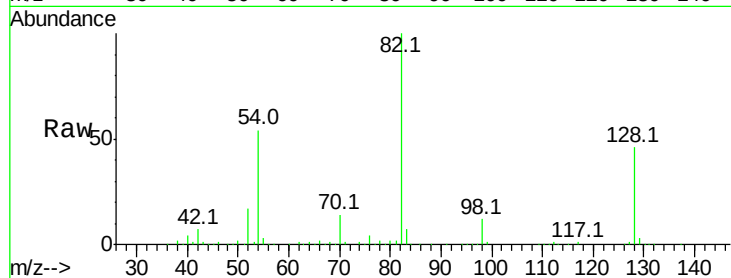
Tot Ion: 82 Resp: 378538

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

54 53.7 41.4 62.2



#25

Isophorone

Concen: 18.122 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

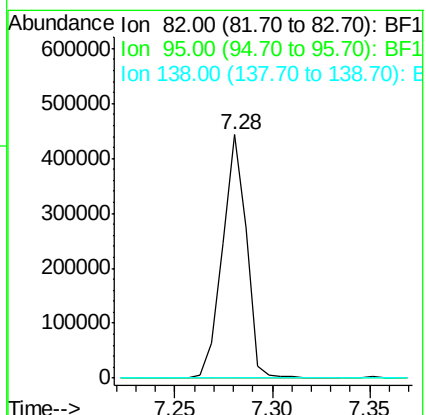
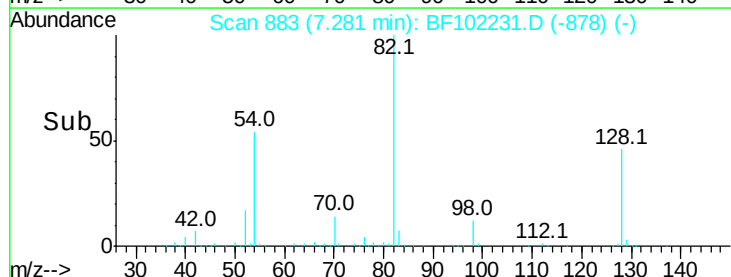
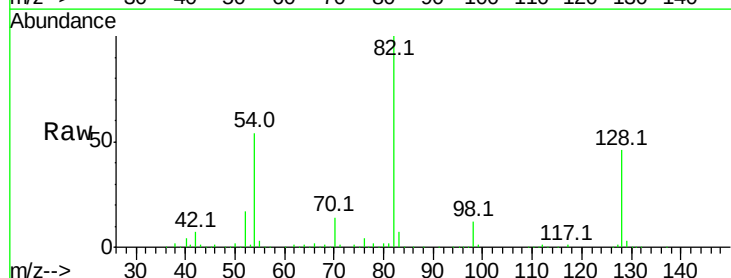
Tgt Ion: 82 Resp: 375887

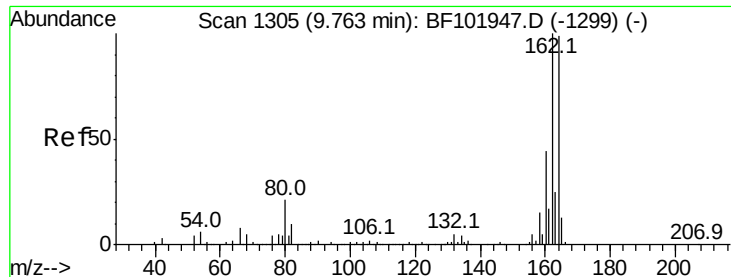
Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

138 0.0 14.9 22.3#

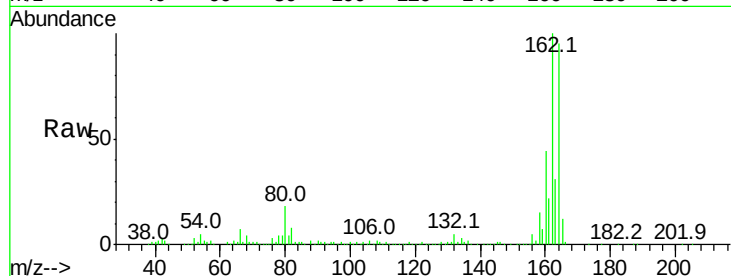




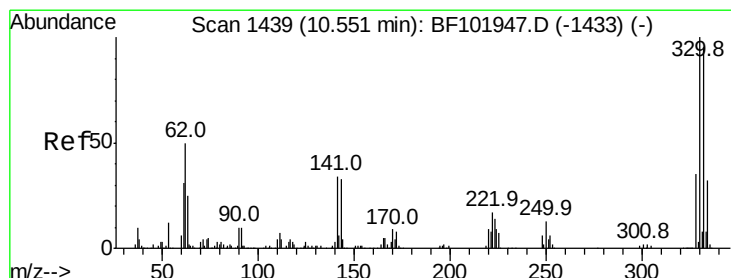
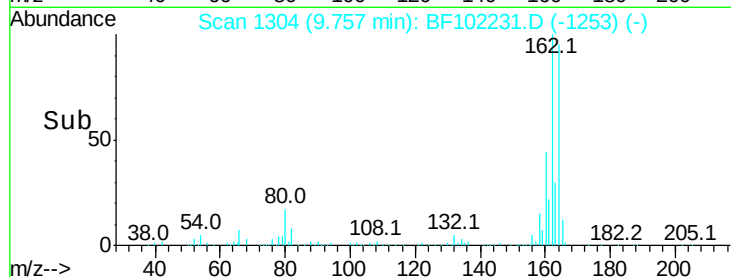
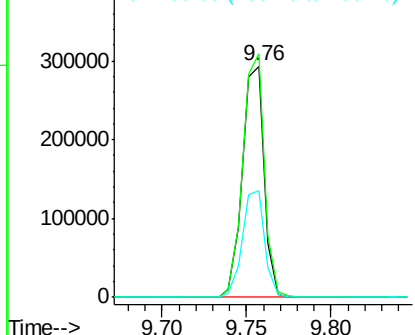
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 263595
 Ion Ratio Lower Upper
 164 100
 162 105.3 86.1 129.1
 160 46.0 38.3 57.5

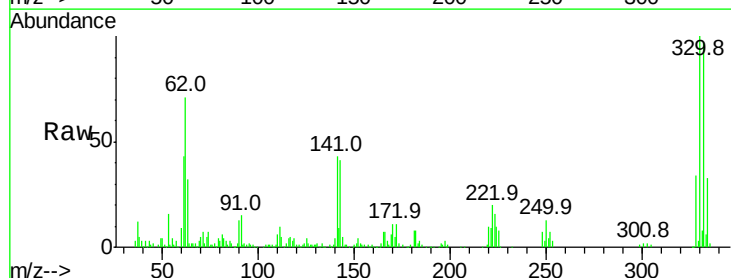


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

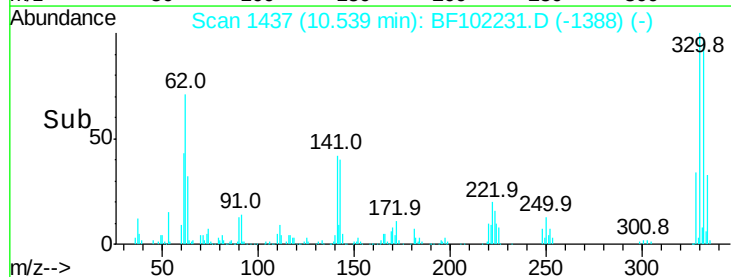
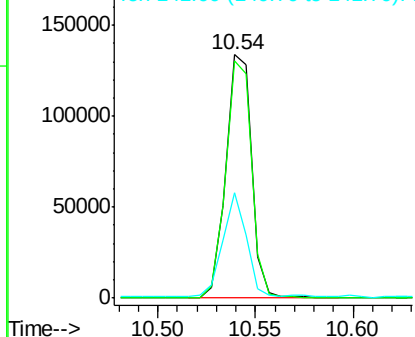


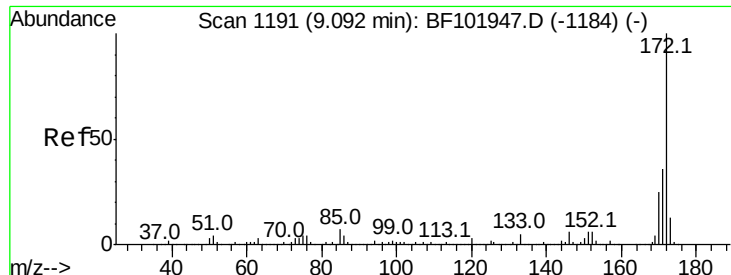
#41
 2,4,6-Tribromophenol
 Concen: 53.363 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Tgt Ion:330 Resp: 122754
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.0 115.6
 141 38.5 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

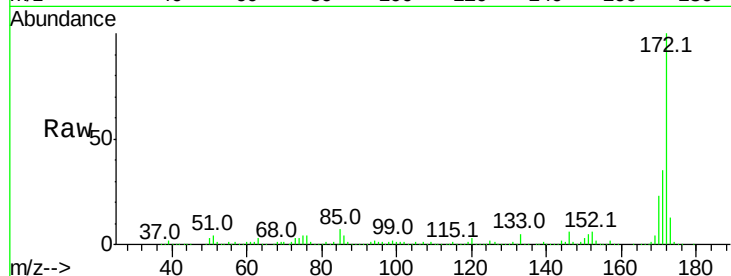




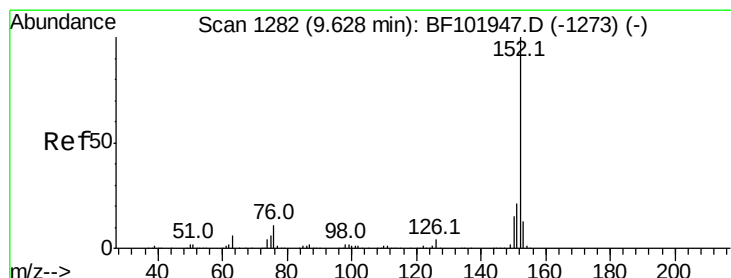
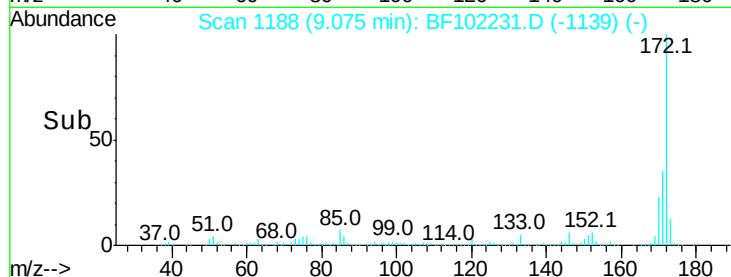
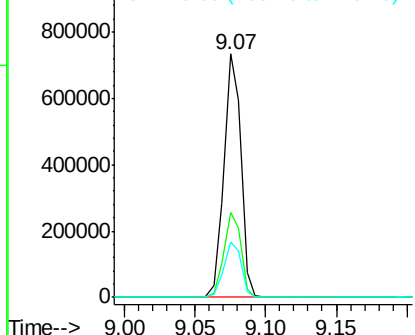
#44
 2-Fluorobiphenyl
 Concen: 36.343 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.0	19.6	29.4

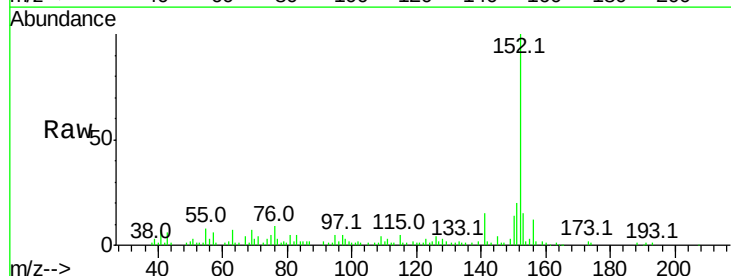


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

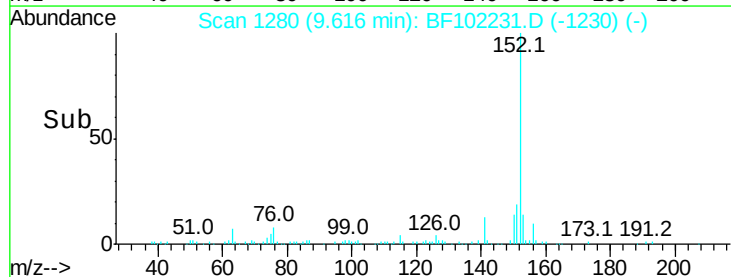
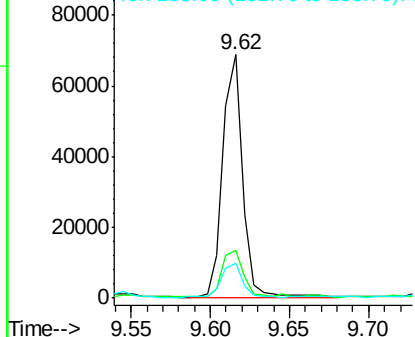


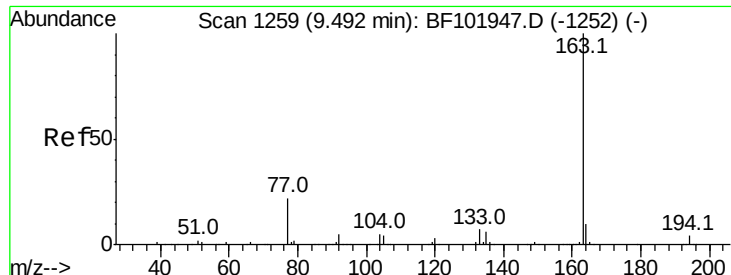
#48
 Acenaphthylene
 Concen: 2.119 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: BF102231.D
 Acq: 19 Jan 2018 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	14.6	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 5.255 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

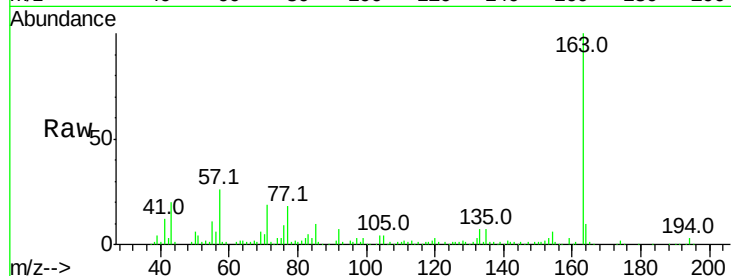
Tot Ion:163 Resp: 111114

Ion Ratio Lower Upper

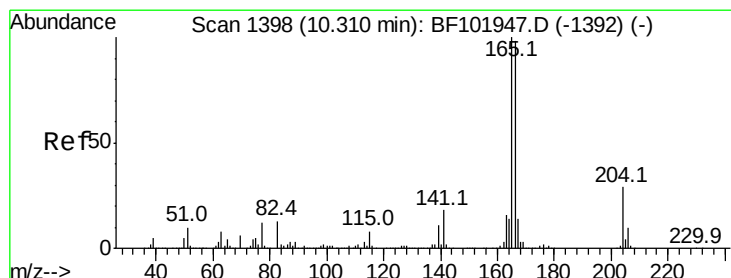
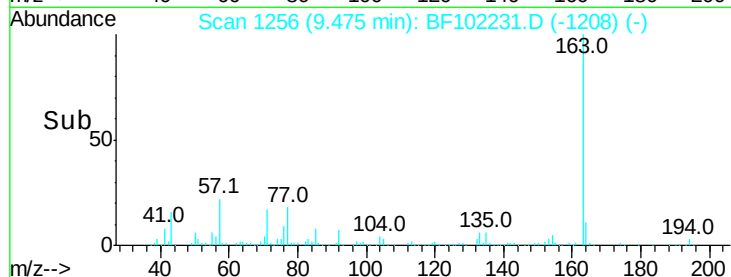
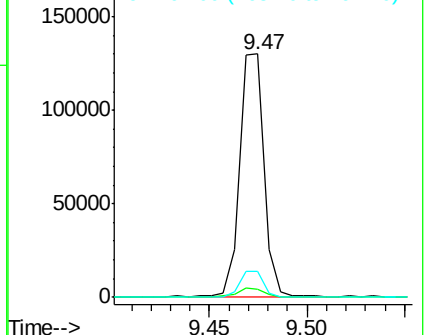
163 100

194 3.3 2.7 4.1

164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

Fluorene

Concen: 3.741 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

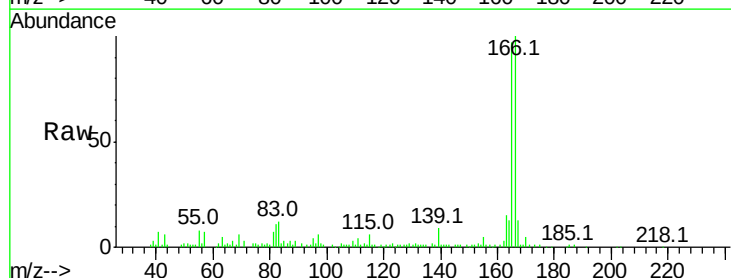
Tgt Ion:166 Resp: 61771

Ion Ratio Lower Upper

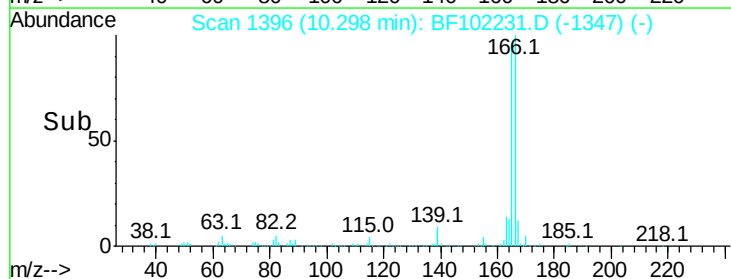
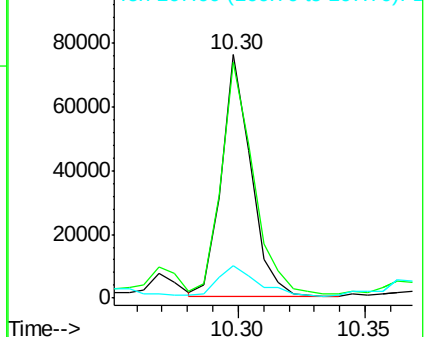
166 100

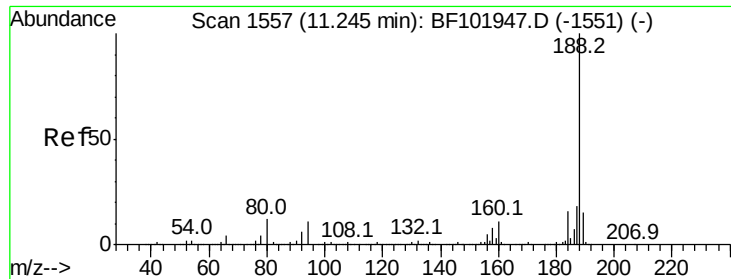
165 97.1 79.8 119.8

167 13.1 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

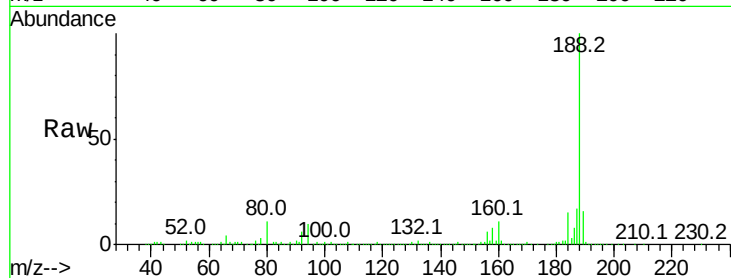




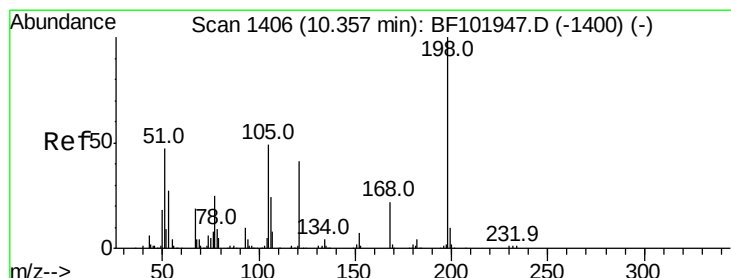
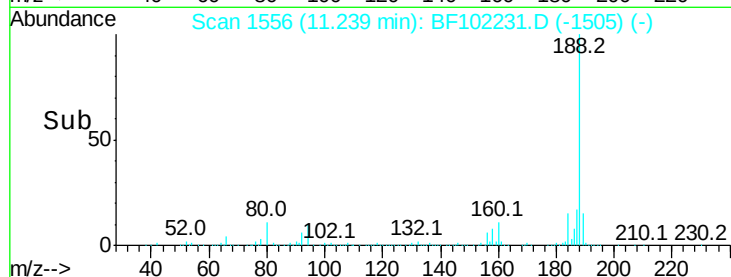
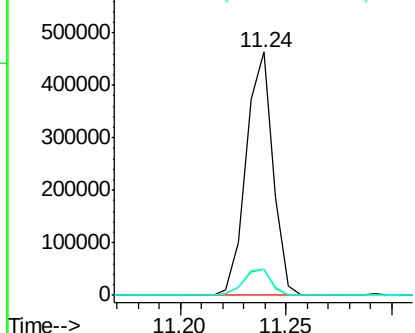
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 407568
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 10.9 9.2 13.8

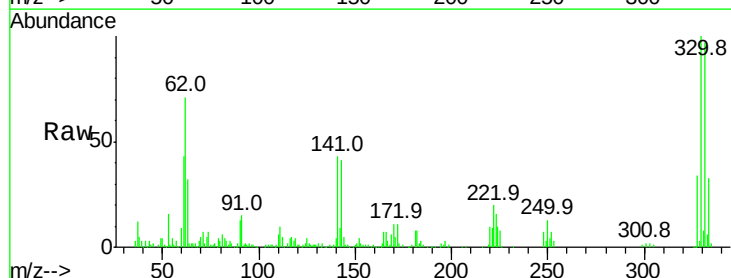


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

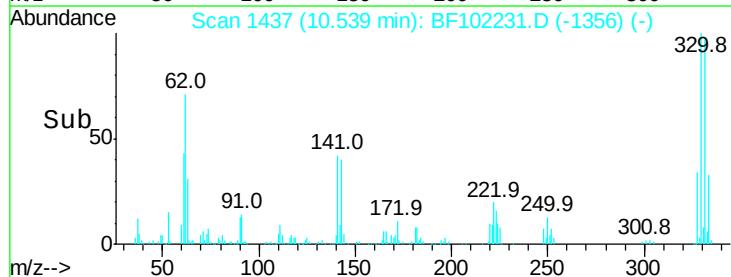
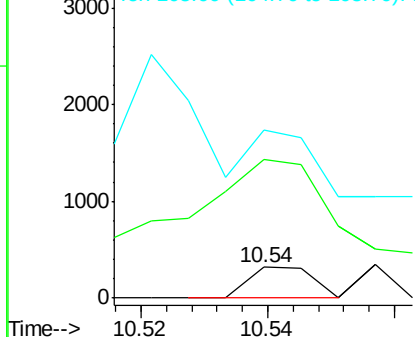


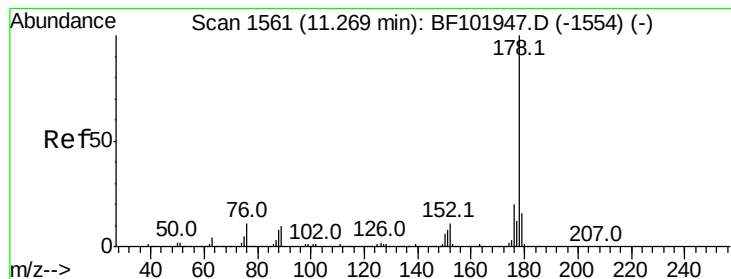
#64
4,6-Dinitro-2-methylphenol
Concen: 5.749 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102231.D
Acq: 19 Jan 2018 21:58

Tgt Ion:198 Resp: 219
Ion Ratio Lower Upper
198 100
51 452.7 37.7 77.7#
105 548.3 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: 16.715 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

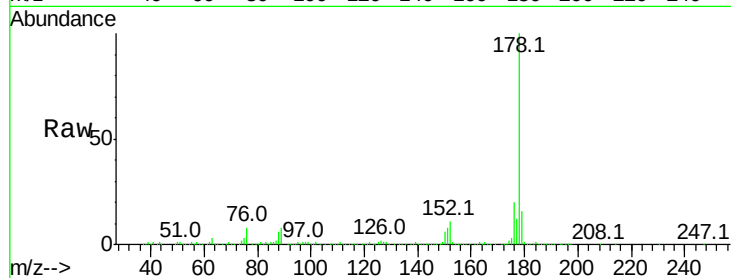
Tot Ion:178 Resp: 397946

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

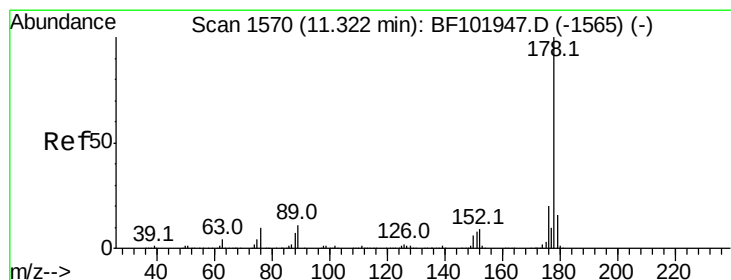
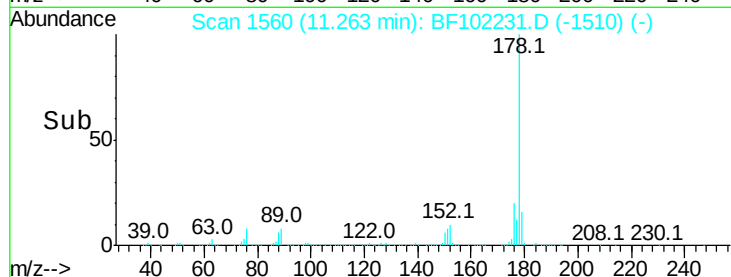
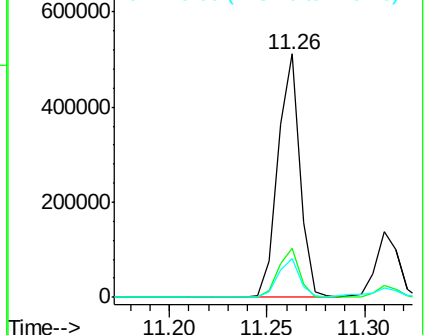
179 15.7 13.0 19.6



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: 4.473 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

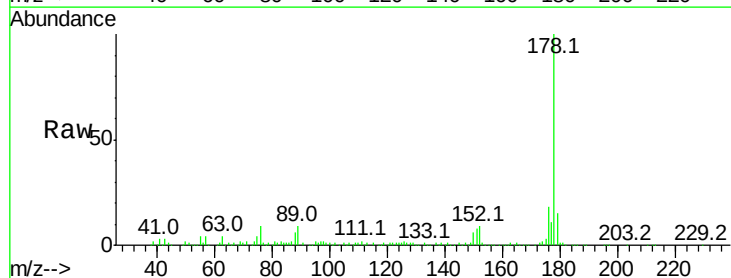
Tgt Ion:178 Resp: 108002

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

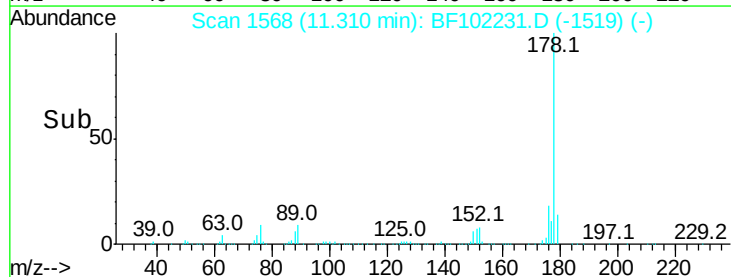
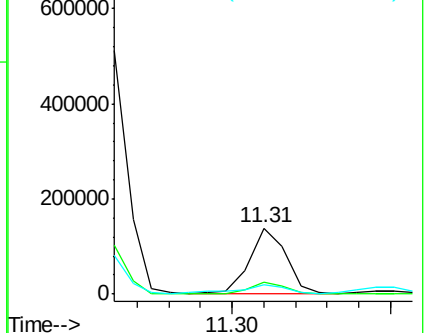
179 14.8 12.6 19.0

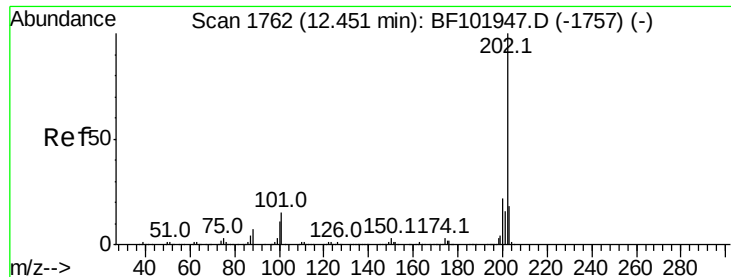


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.572 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

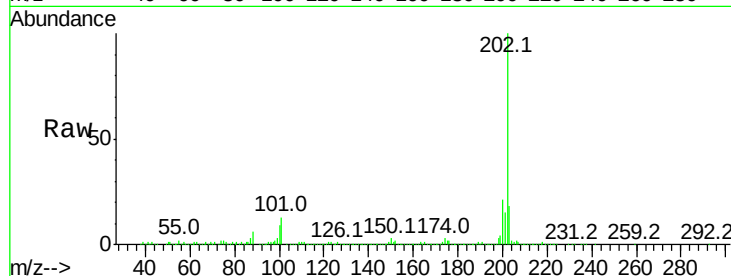
Tot Ion:202 Resp: 435012

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

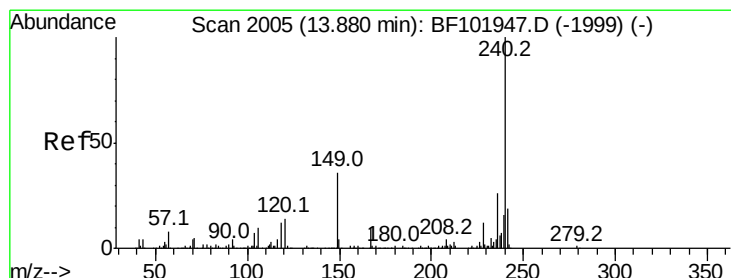
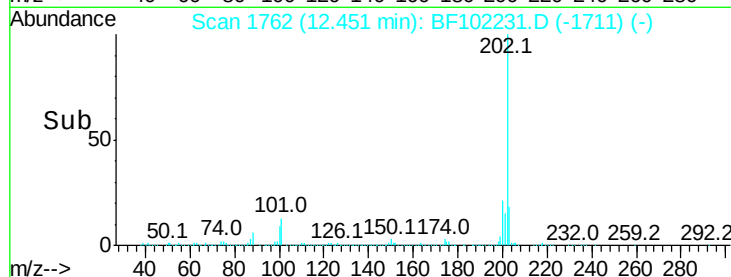
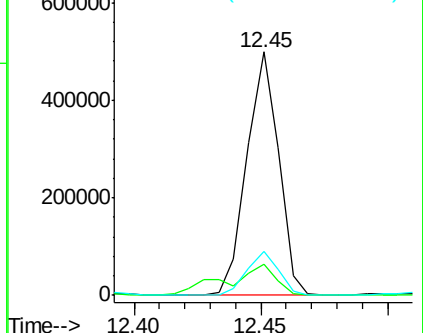
203 18.1 0.0 38.1



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. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

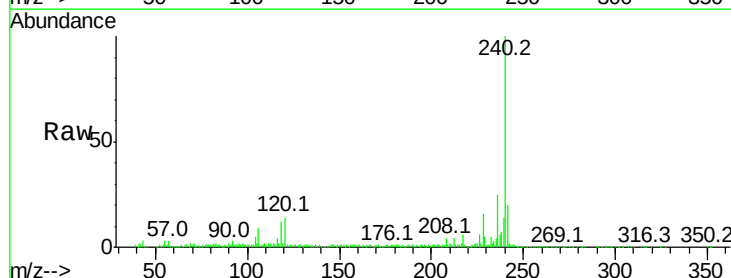
Tgt Ion:240 Resp: 266306

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

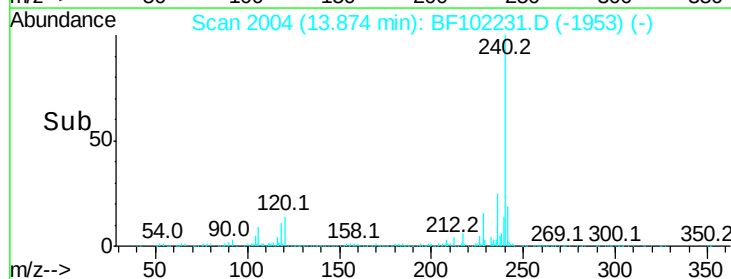
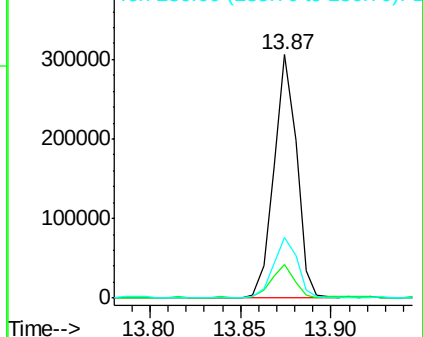
236 25.1 20.7 31.1

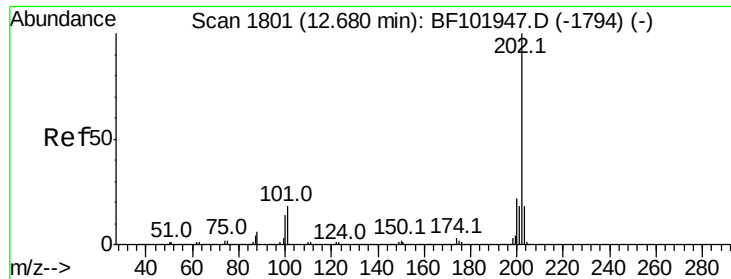


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.252 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

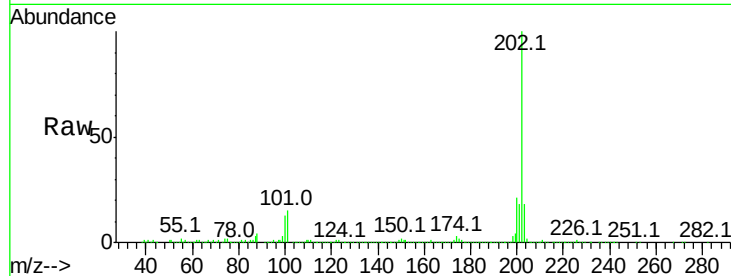
Tot Ion:202 Resp: 453197

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

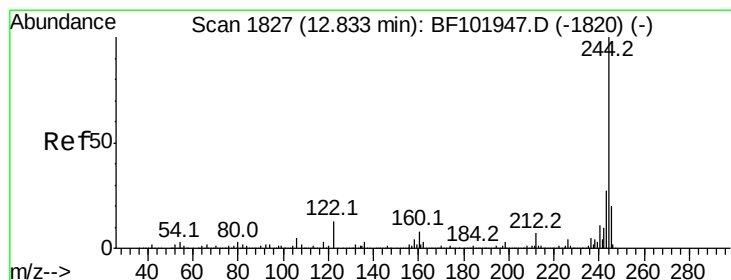
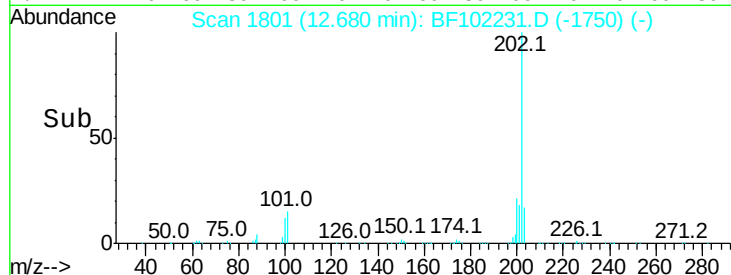
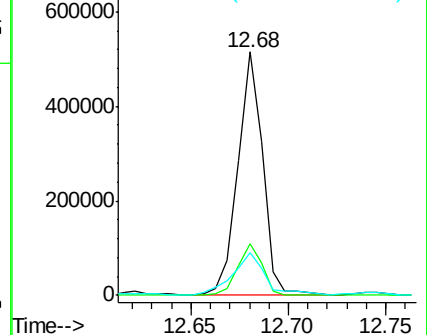
203 17.7 14.3 21.5



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: 30.772 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

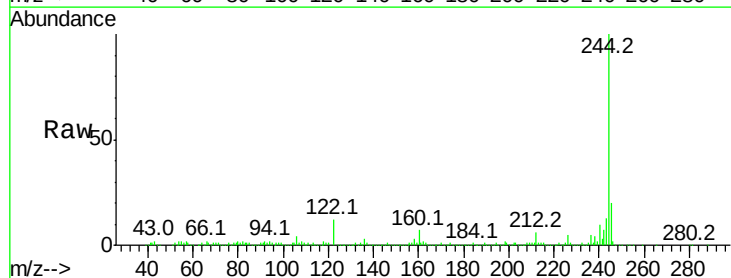
Tgt Ion:244 Resp: 394693

Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

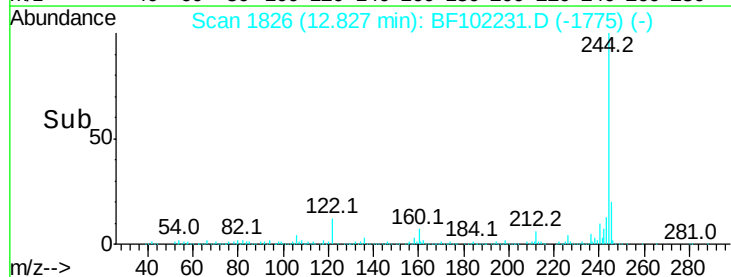
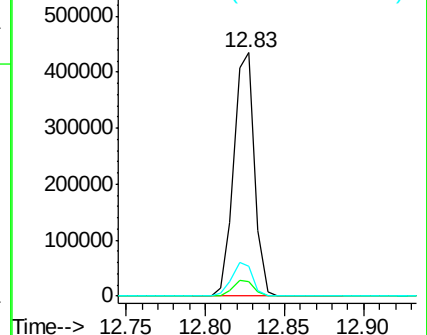
122 12.2 11.0 16.4

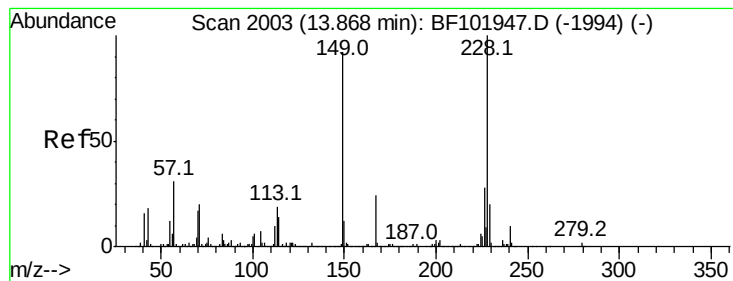


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.402 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampled :

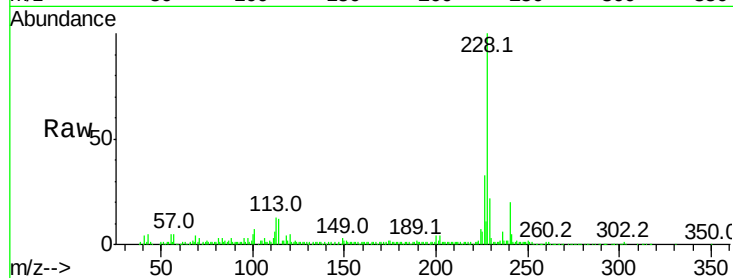
Tot Ion:228 Resp: 193732

Ion Ratio Lower Upper

228 100

226 33.2 22.6 33.8

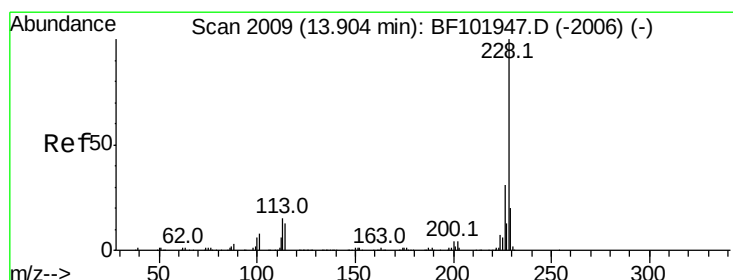
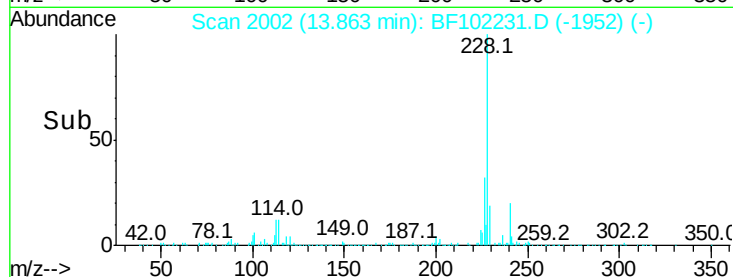
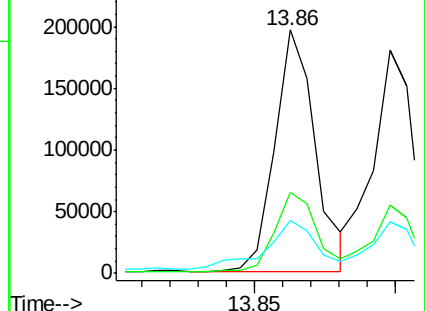
229 21.6 15.8 23.6



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: 9.971 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

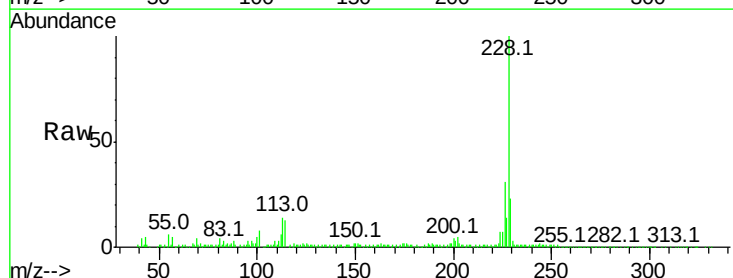
Tgt Ion:228 Resp: 176650

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

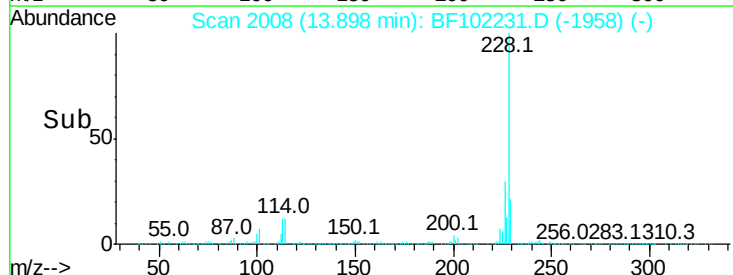
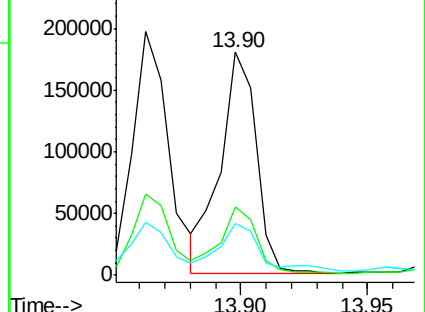
229 23.3 16.2 24.4

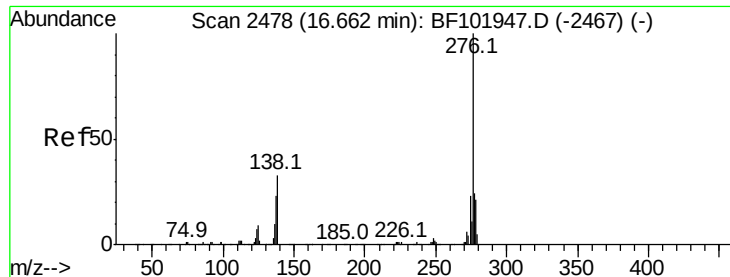


Abundance Ion 228.00 (227.70 to 228.70): E

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: 6.151 ng

RT: 16.68 min Scan# 2481

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

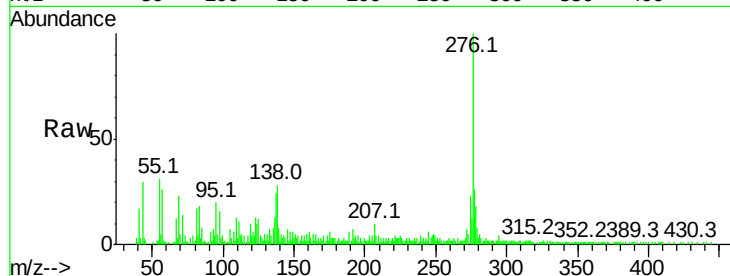
Tot Ion:276 Resp: 79315

Ion Ratio Lower Upper

276 100

138 27.0 25.0 37.6

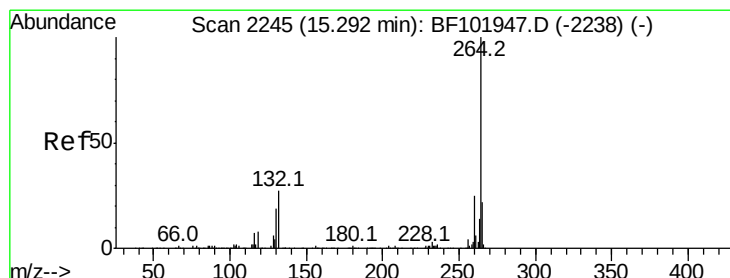
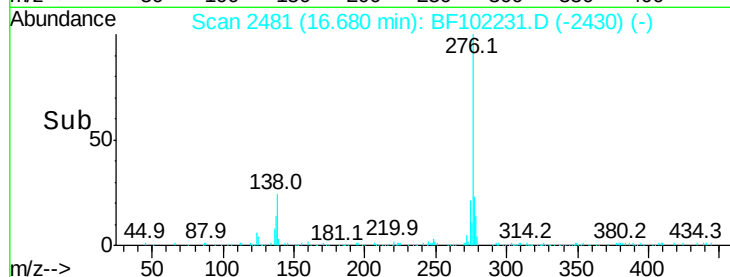
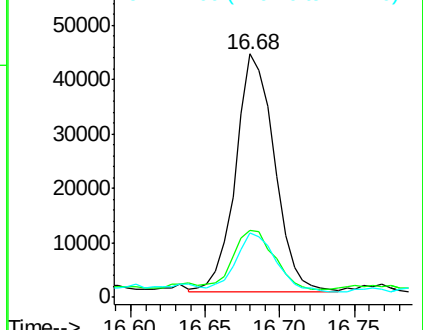
277 25.9 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

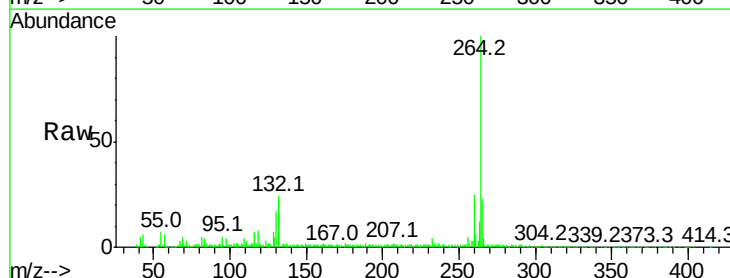
Tgt Ion:264 Resp: 273715

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

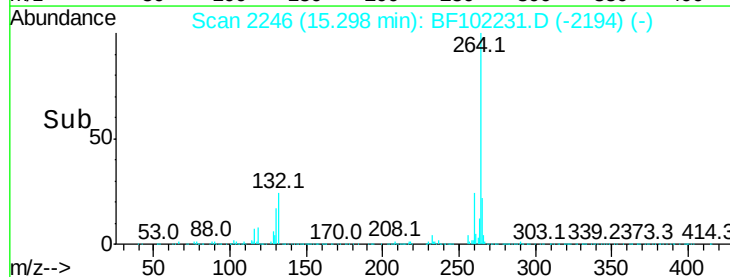
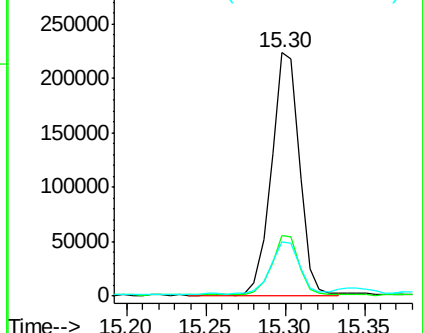
265 22.5 17.5 26.3

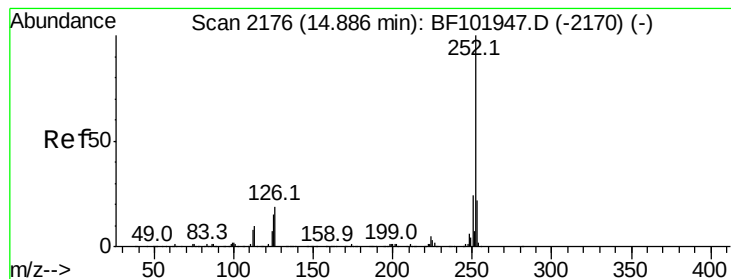


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.788 ng

RT: 14.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

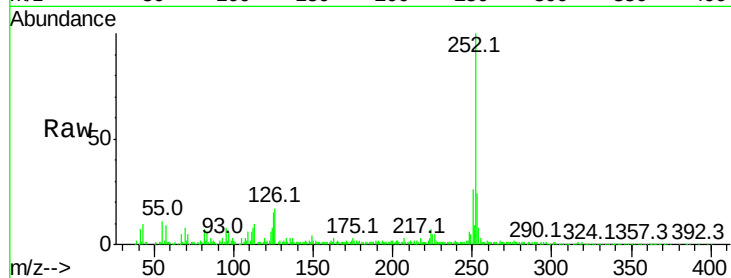
Tot Ion:252 Resp: 281770

Ion Ratio Lower Upper

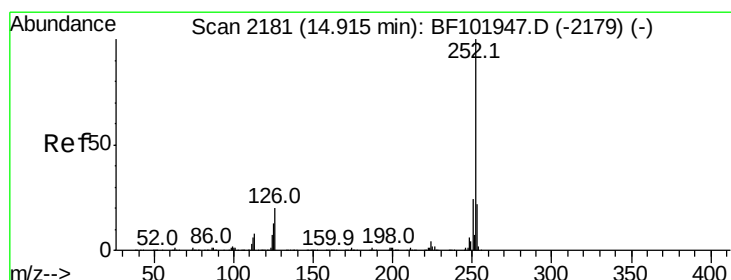
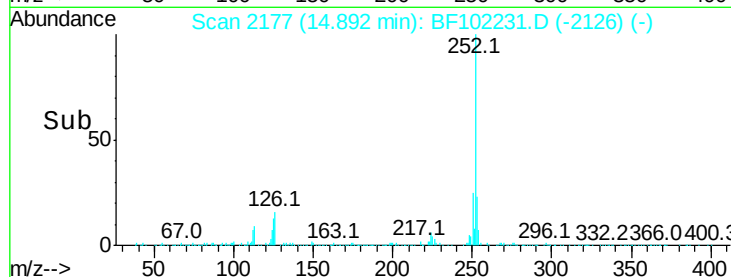
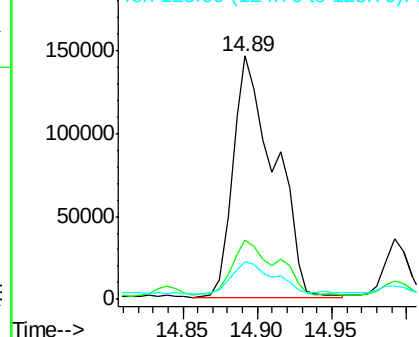
252 100

253 24.3 17.0 25.6

125 15.2 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: 16.366 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

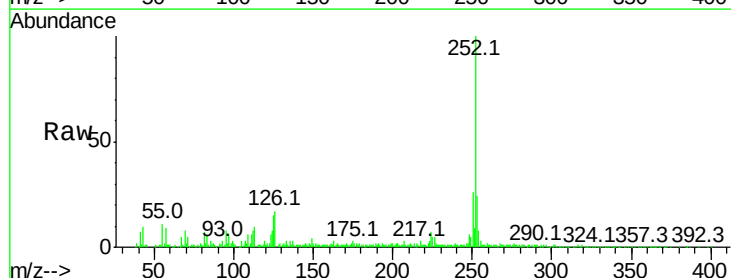
Tgt Ion:252 Resp: 281770

Ion Ratio Lower Upper

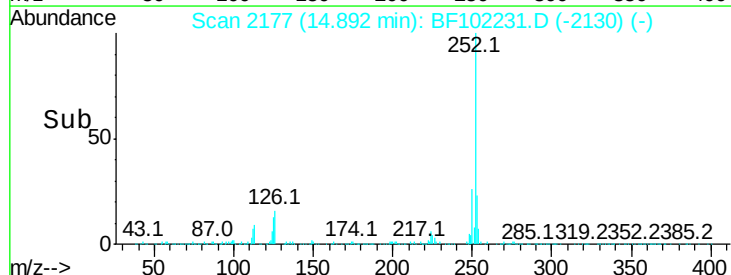
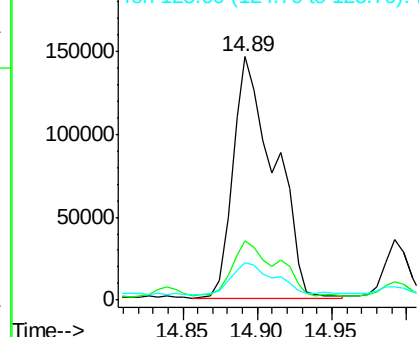
252 100

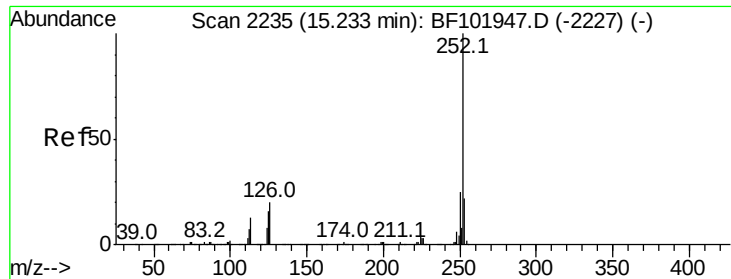
253 24.3 17.9 26.9

125 15.2 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: 10.304 ng

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

Instrument :

BNA_F

ClientSampleId :

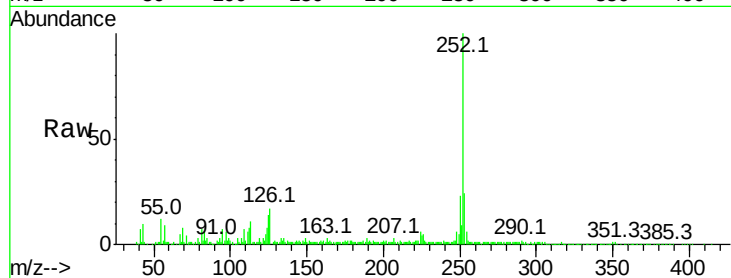
Tot Ion:252 Resp: 165481

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

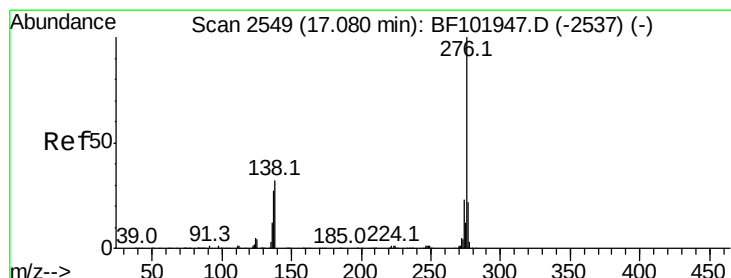
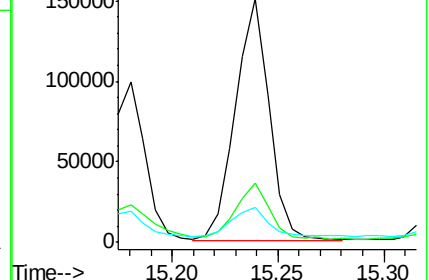
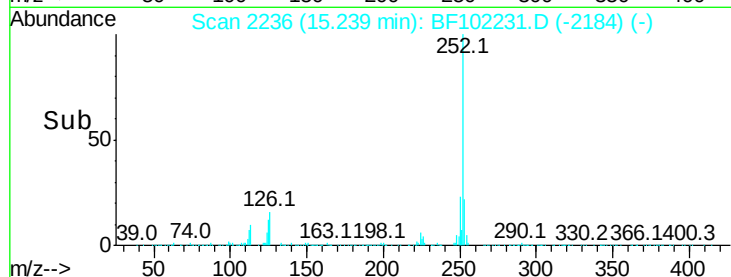
125 14.2 9.8 14.6



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(g,h,i)perylene

Concen: 5.812 ng

RT: 17.10 min Scan# 2553

Delta R.T. 0.01 min

Lab File: BF102231.D

Acq: 19 Jan 2018 21:58

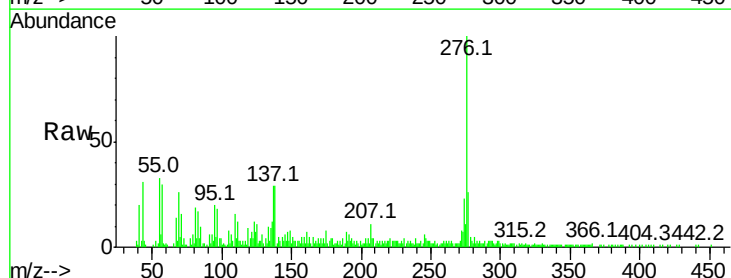
Tgt Ion:276 Resp: 75038

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 29.0 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

