

Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102669.D
 Acq On : 31 Jan 2018 21:52
 Operator : SJ/JU
 Sample : J1023-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

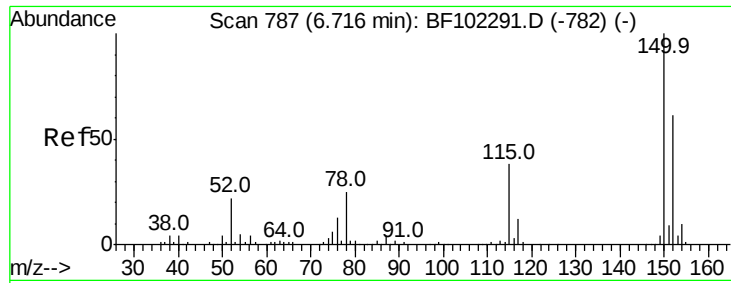
Quant Time: Feb 01 00:02:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	147916	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	558608	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	207754	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	317136	20.00	ng	0.00
75) Chrysene-d12	13.87	240	302157	20.00	ng	0.00
86) Perylene-d12	15.30	264	208073	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	603506	61.86	ng	0.00
7) Phenol-d6	6.35	99	720321	61.25	ng	0.00
23) Nitrobenzene-d5	7.27	82	413516	42.54	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	100879	49.01	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	642480	45.47	ng	0.00
78) Terphenyl-d14	12.82	244	487992	36.41	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	30356	2.364	ng	# 71
25) Isophorone	7.27	82	407704	23.527	ng	# 64
49) Dimethylphthalate	9.46	163	72130	4.200	ng	99
70) Phenanthrene	11.25	178	174377	9.436	ng	96
71) Anthracene	11.30	178	39726	2.106	ng	97
74) Fluoranthene	12.45	202	237461	12.601	ng	98
77) Pyrene	12.45	202	237461	10.165	ng	99
80) Benzo(a)anthracene	13.86	228	112655	6.056	ng	97
82) Chrysene	13.90	228	119896	6.347	ng	99
87) Benzo(b)fluoranthene	14.89	252	118879	8.815	ng	# 83
88) Benzo(k)fluoranthene	14.89	252	118879	9.330	ng	# 86
89) Benzo(a)pyrene	15.24	252	60643	4.986	ng	# 80
91) Benzo(a,h,i)perylene	17.12	276	29888	3.072	ng	# 84

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

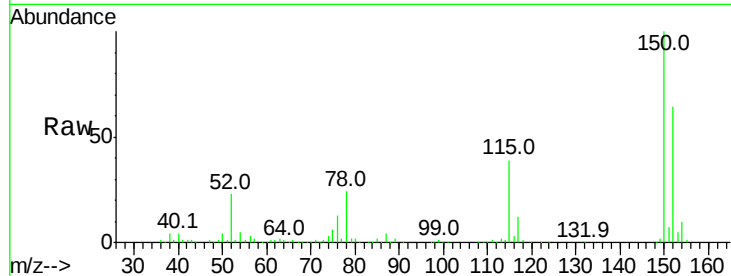


#1

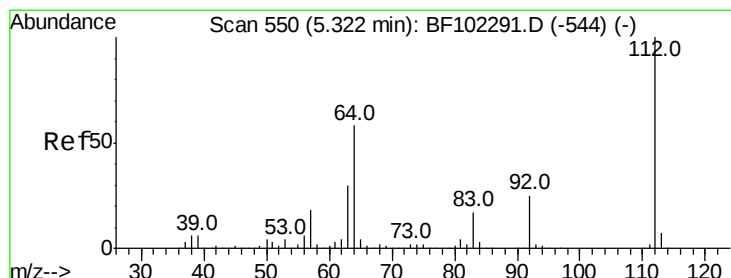
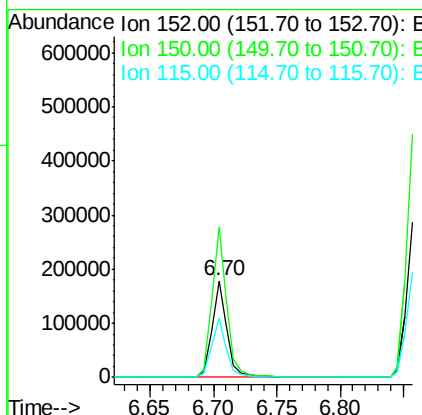
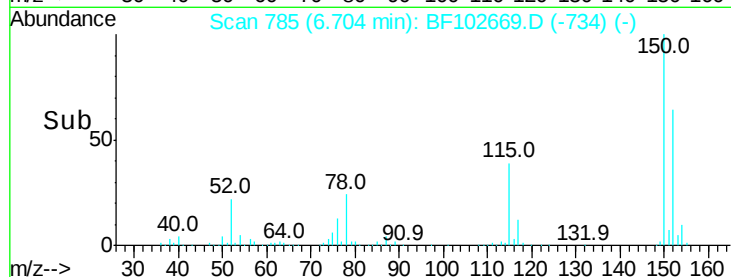
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 147916
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 60.8 50.1 75.1



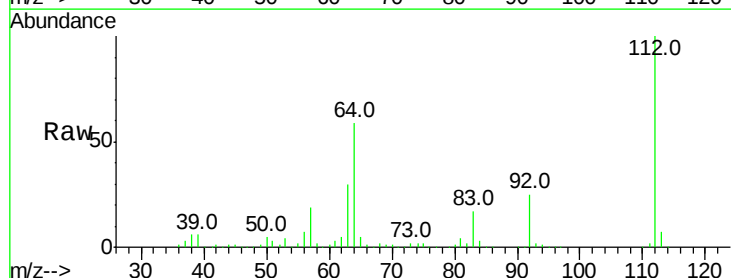
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



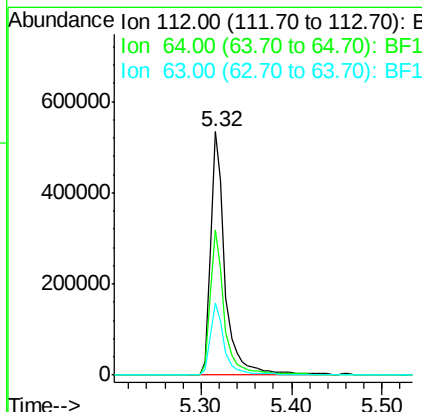
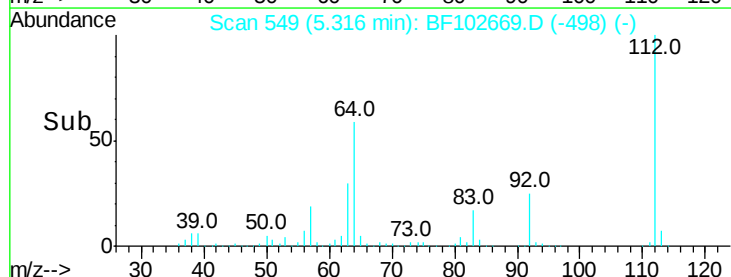
#5

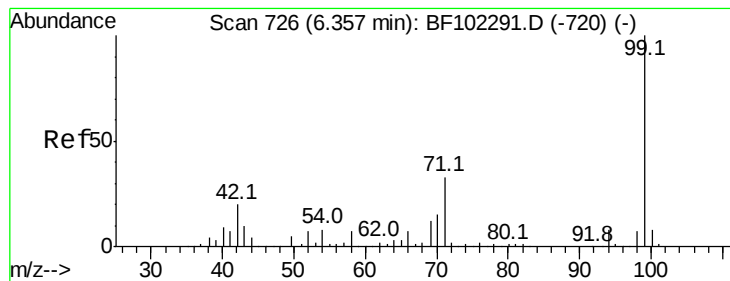
2-Fluorophenol
Concen: 61.864 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

Tgt Ion:112 Resp: 603506
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 29.9 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: 61.247 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

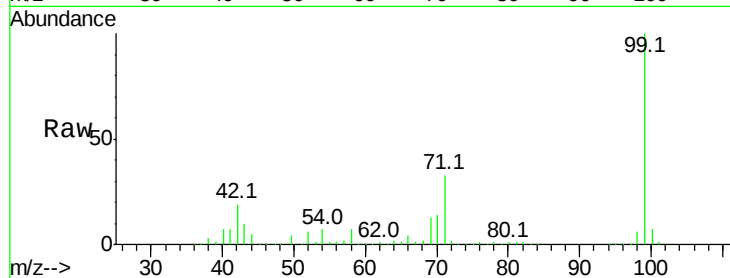
Tot Ion: 99 Resp: 720321

Ion Ratio Lower Upper

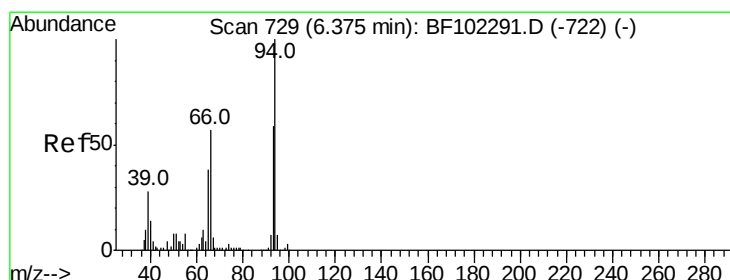
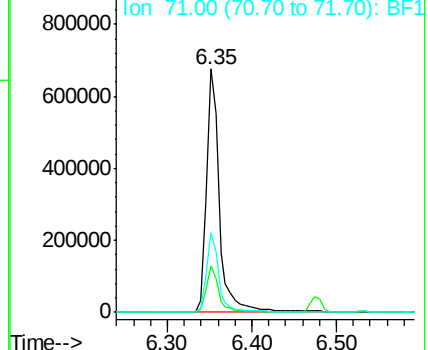
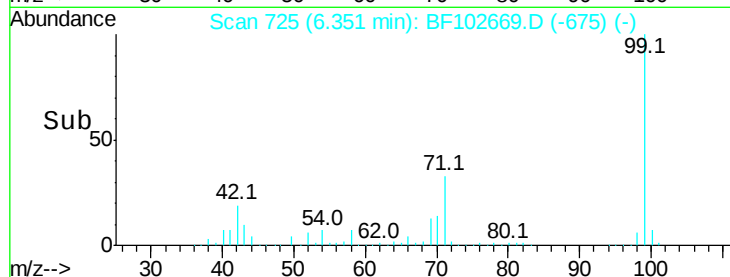
99 100

42 19.0 14.5 21.7

71 32.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.364 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

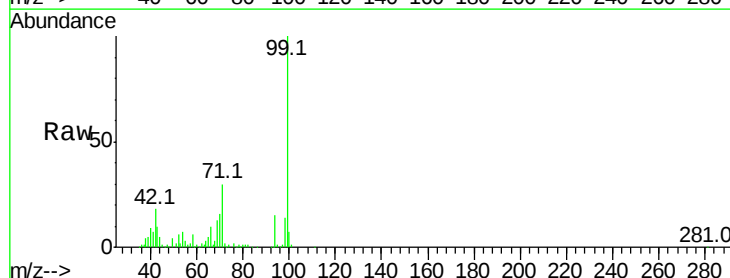
Tgt Ion: 94 Resp: 30356

Ion Ratio Lower Upper

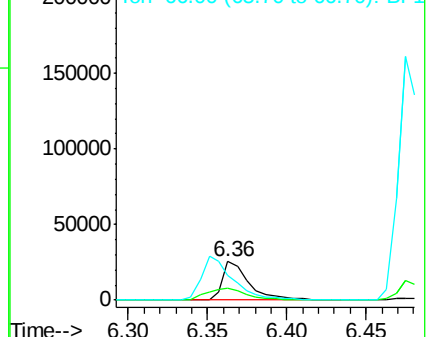
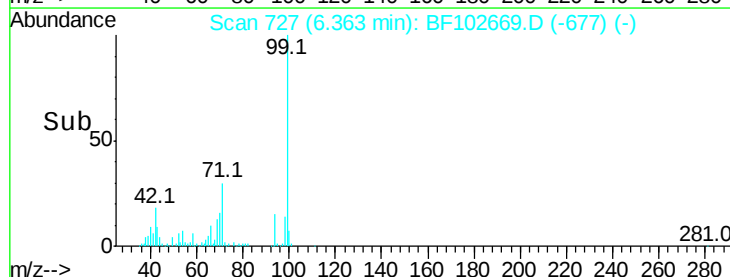
94 100

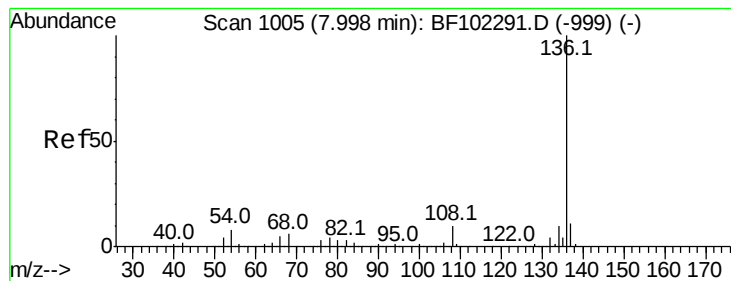
65 30.1 7.9 47.9

66 64.7 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 558608

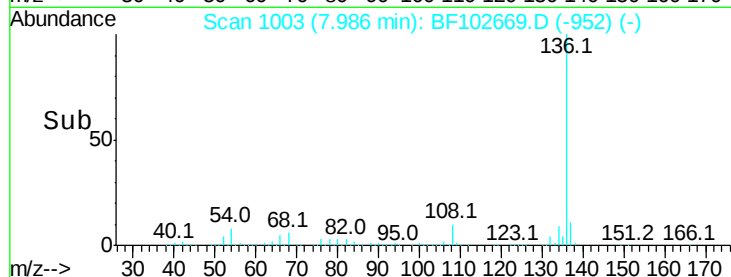
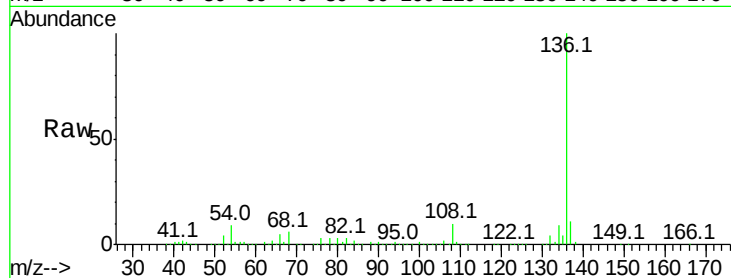
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.5 6.6 9.8

68 6.1 5.0 7.4

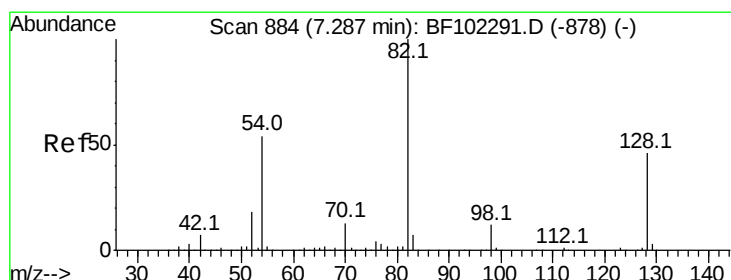
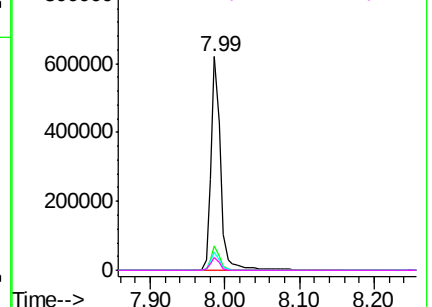


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.541 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

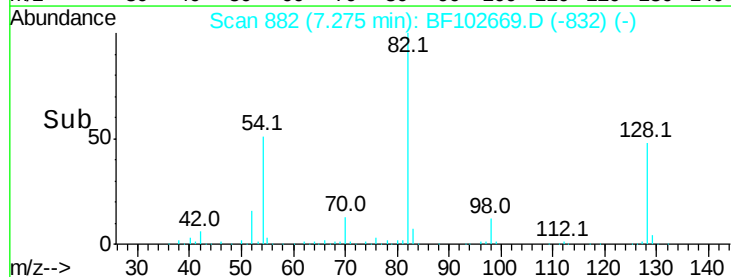
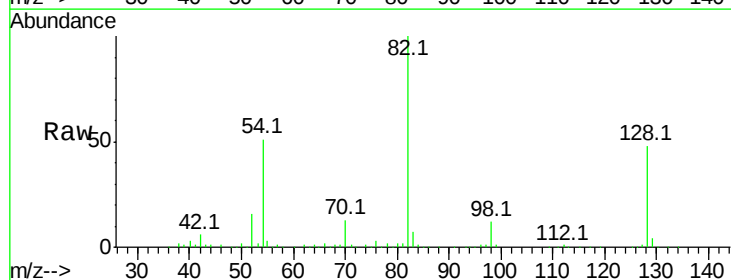
Tgt Ion: 82 Resp: 413516

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

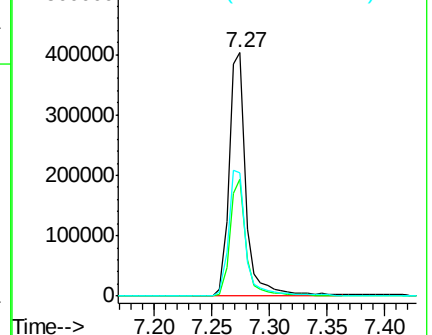
54 50.6 41.4 62.2

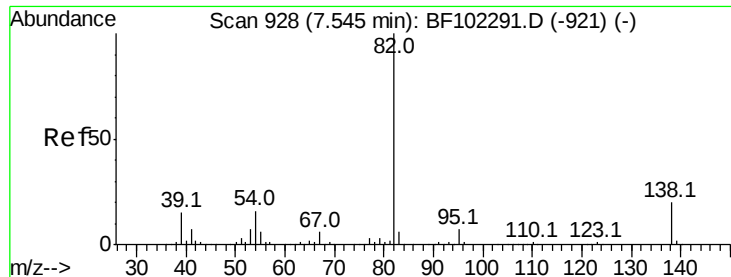


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 23.527 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

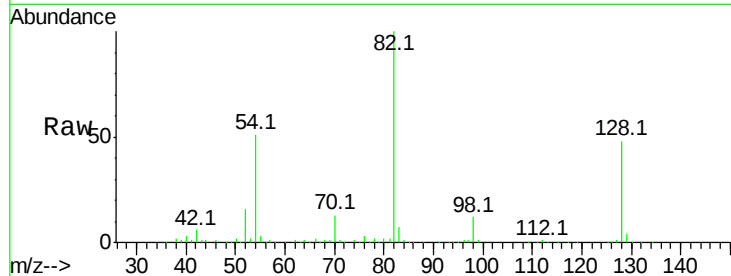
Tot Ion: 82 Resp: 407704

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

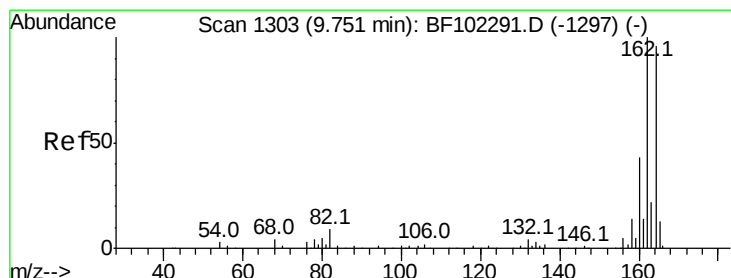
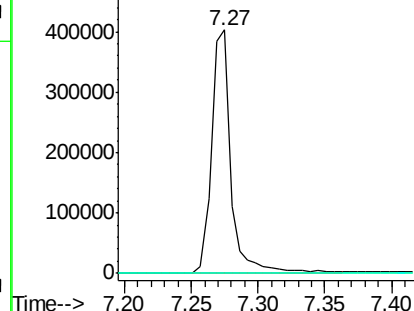
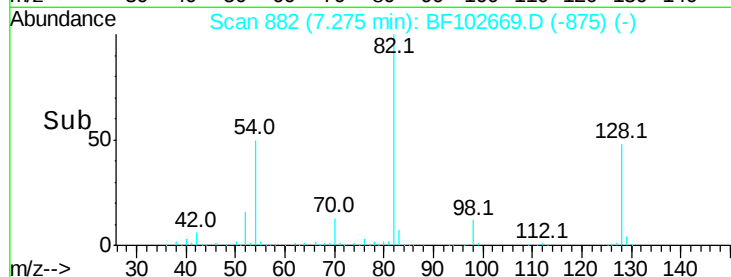
138 0.0 14.9 22.3#



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: 9.74 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

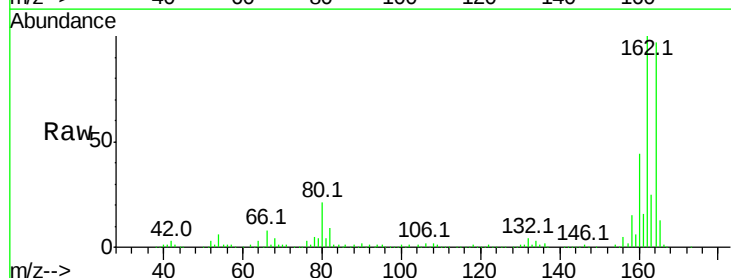
Tgt Ion:164 Resp: 207754

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

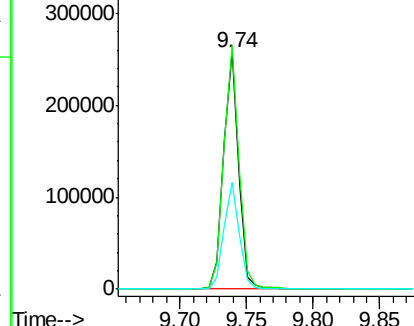
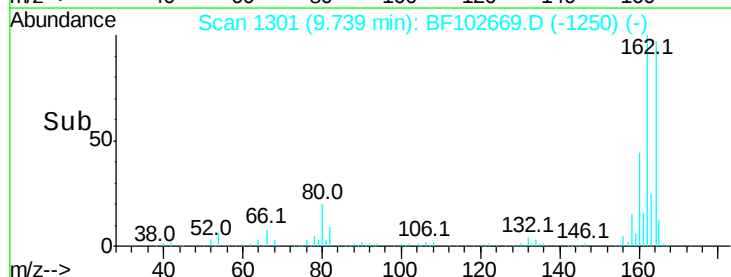
160 44.8 38.3 57.5

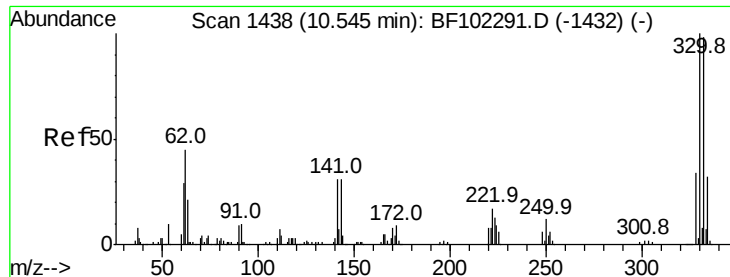


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

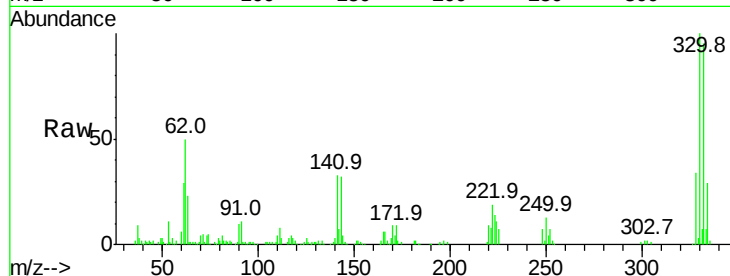




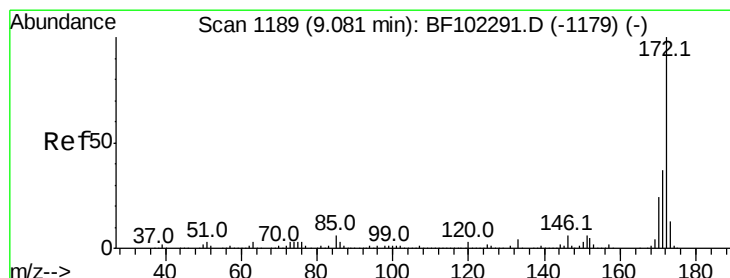
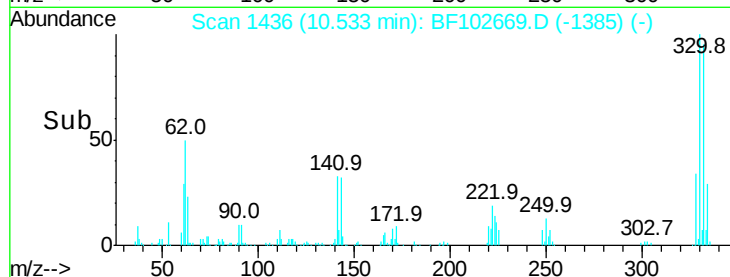
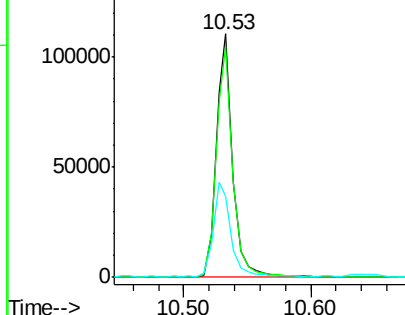
#41
 2,4,6-Tribromophenol
 Concen: 49.005 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF102669.D
 Acq: 31 Jan 2018 21:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 100879
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 43.7 29.9 44.9

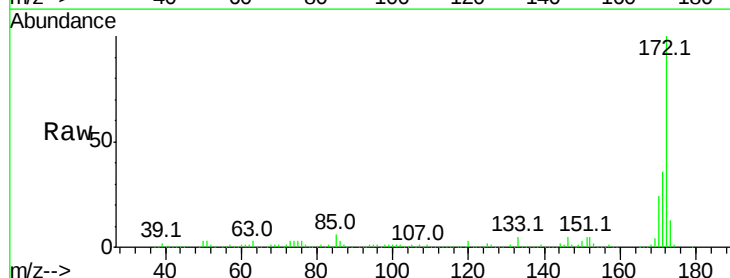


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

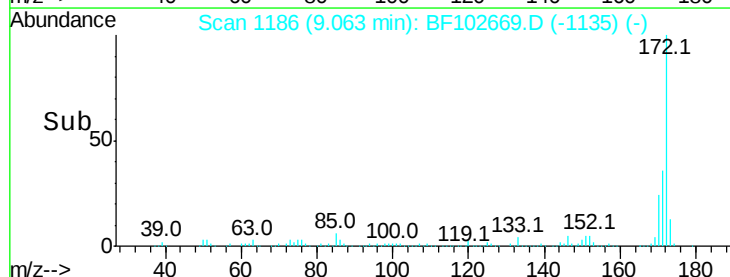
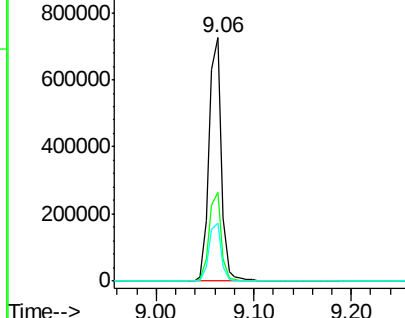


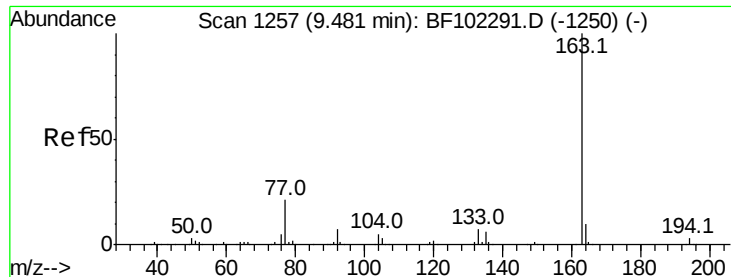
#44
 2-Fluorobiphenyl
 Concen: 45.471 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF102669.D
 Acq: 31 Jan 2018 21:52

Tgt Ion:172 Resp: 642480
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 23.8 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

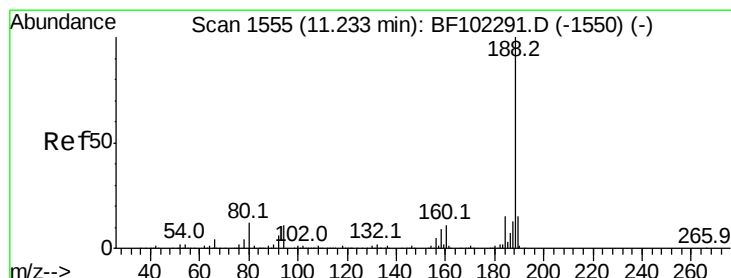
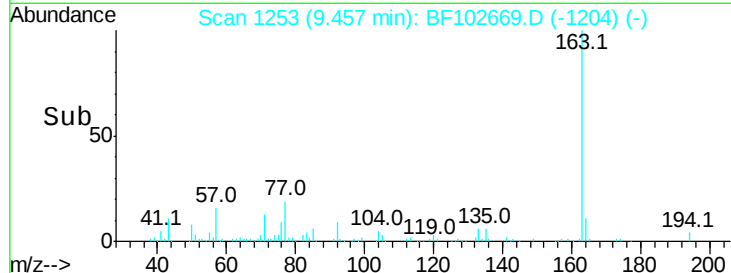
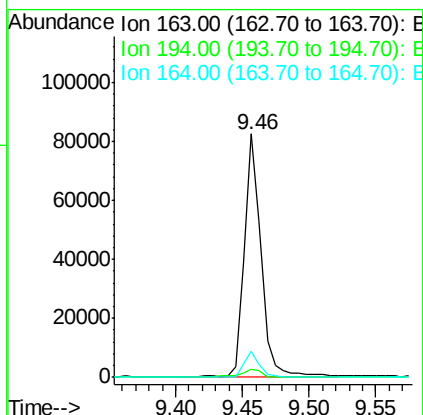
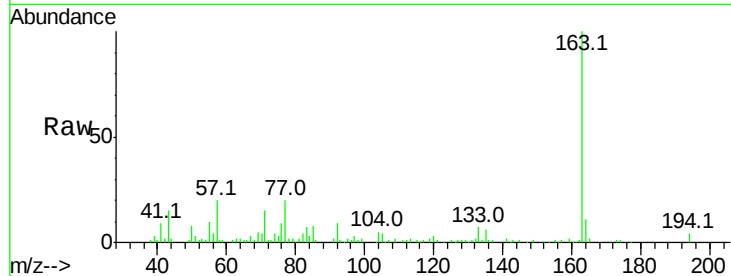




#49
Dimethylphthalate
Concen: 4.200 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

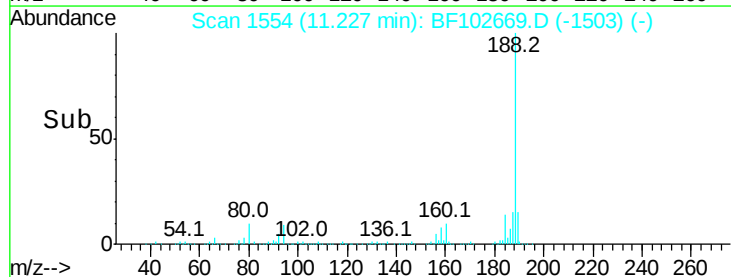
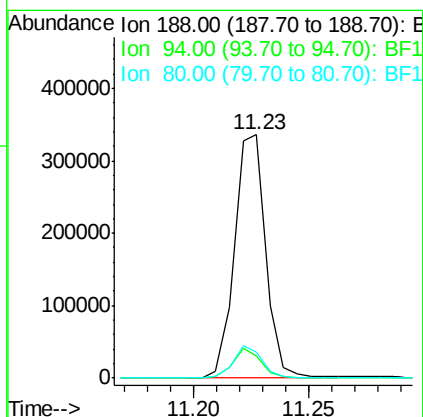
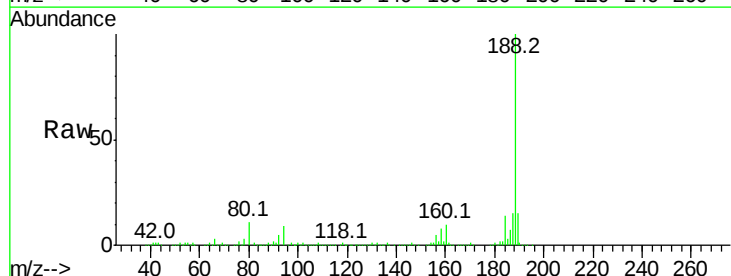
Instrument :
BNA_F
ClientSampleId :

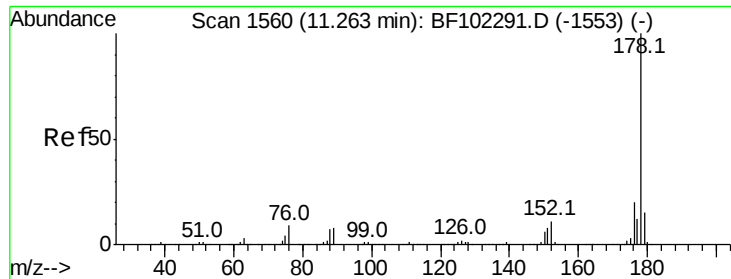
Tot Ion:163 Resp: 72130
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.5 8.2 12.2



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

Tgt Ion:188 Resp: 317136
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.5 9.2 13.8





#70

Phenanthrene

Concen: 9.436 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

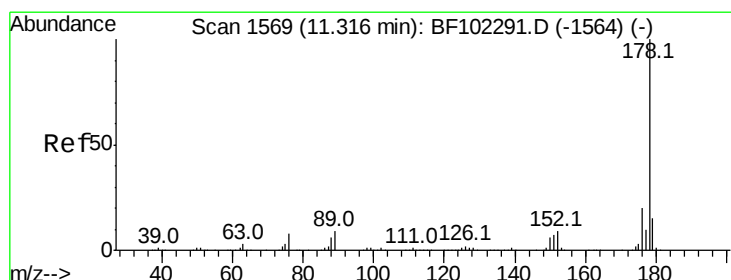
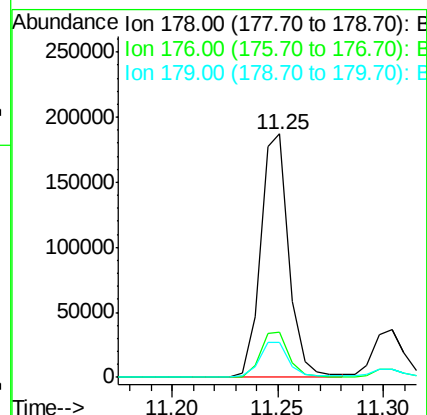
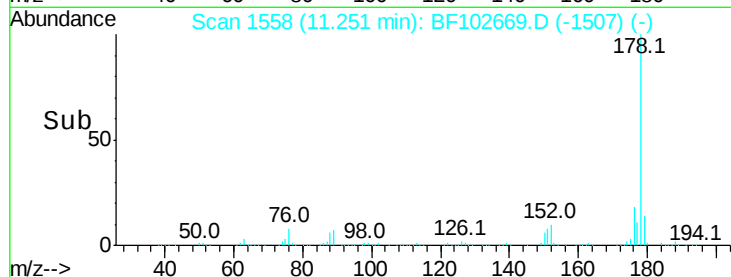
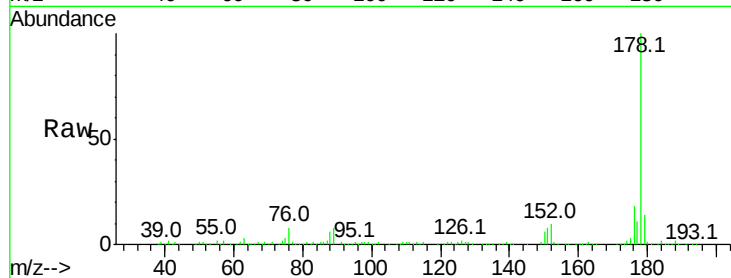
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 174377

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.4	13.0	19.6



#71

Anthracene

Concen: 2.106 ng

RT: 11.30 min Scan# 1567

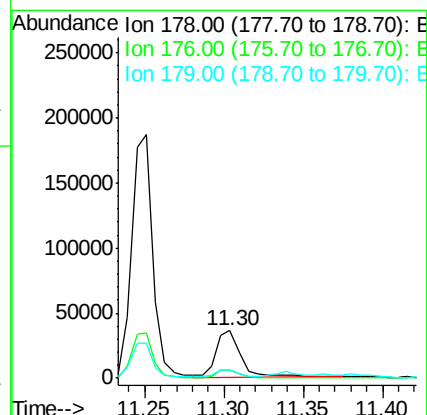
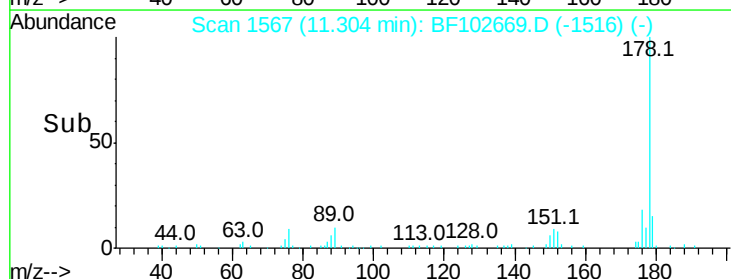
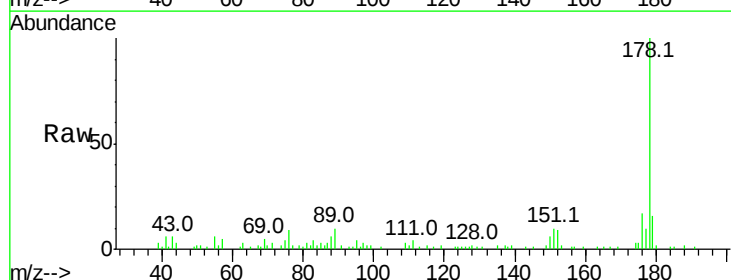
Delta R.T. 0.00 min

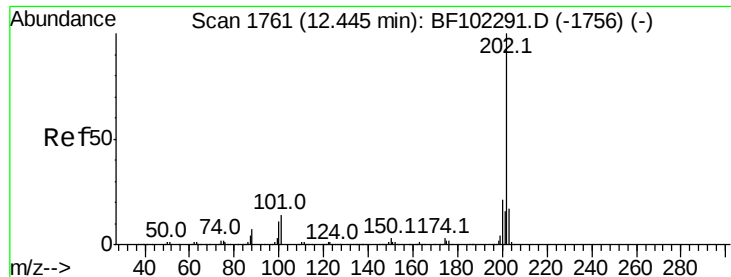
Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Tgt Ion:178 Resp: 39726

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 12.601 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

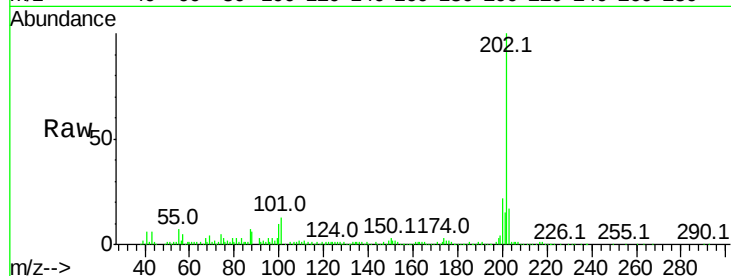
Tot Ion:202 Resp: 237461

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

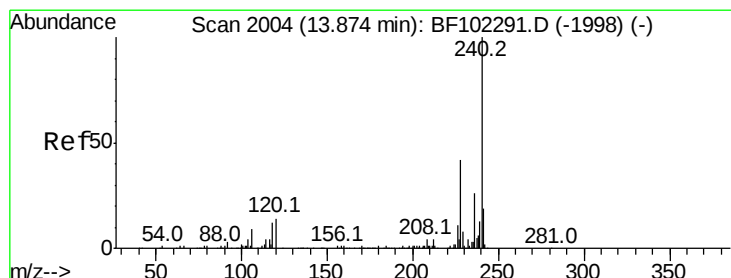
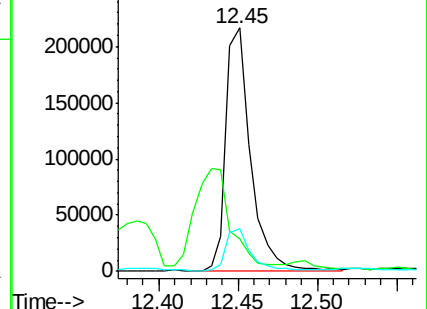
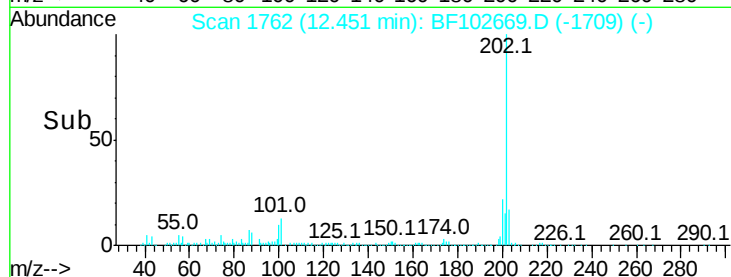
203 17.5 0.0 38.1



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: BF102669.D

Acq: 31 Jan 2018 21:52

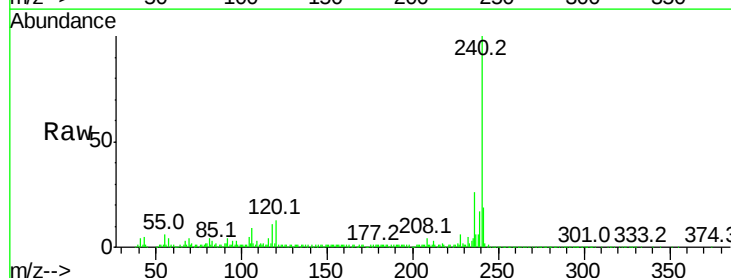
Tgt Ion:240 Resp: 302157

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

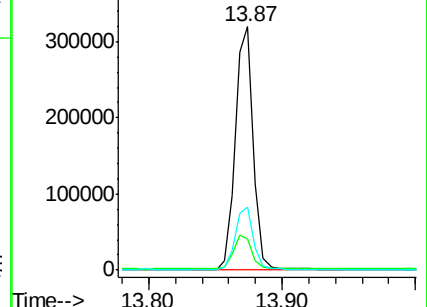
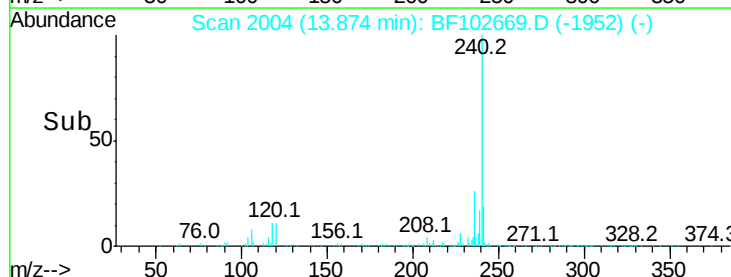
236 26.0 20.7 31.1

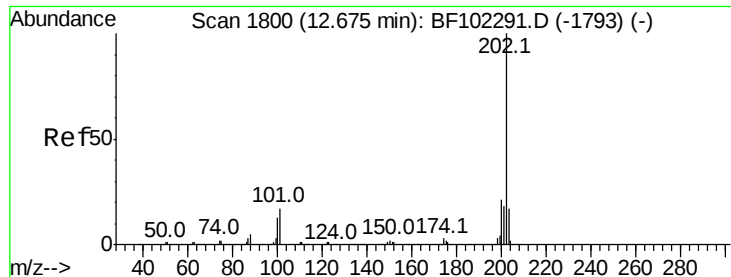


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.165 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.22 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

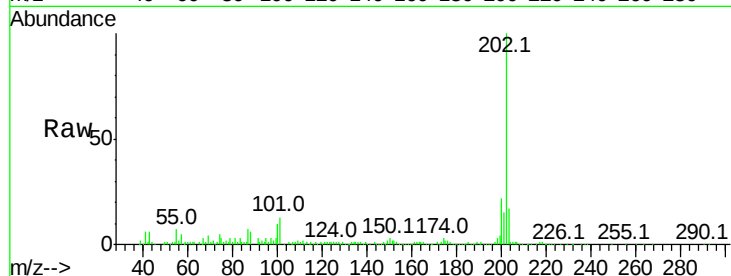
Tot Ion:202 Resp: 237461

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

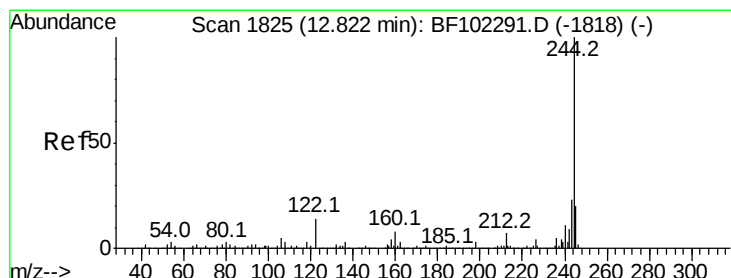
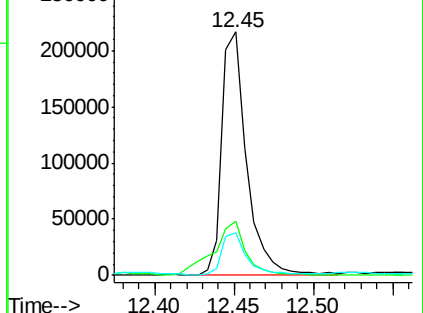
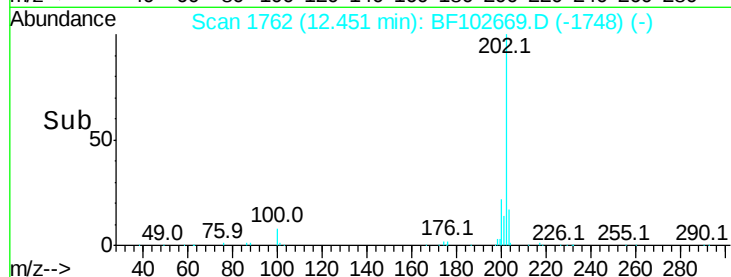
203 17.5 14.3 21.5



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: 36.409 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

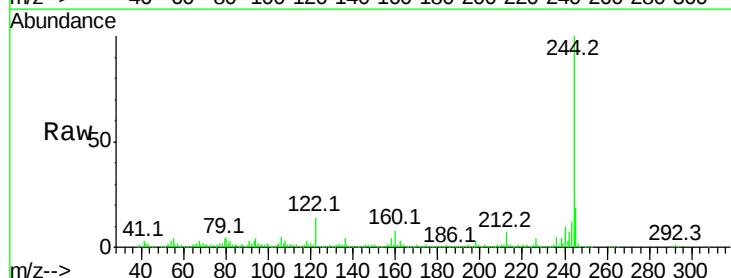
Tgt Ion:244 Resp: 487992

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

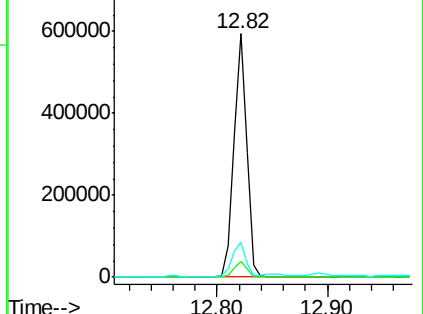
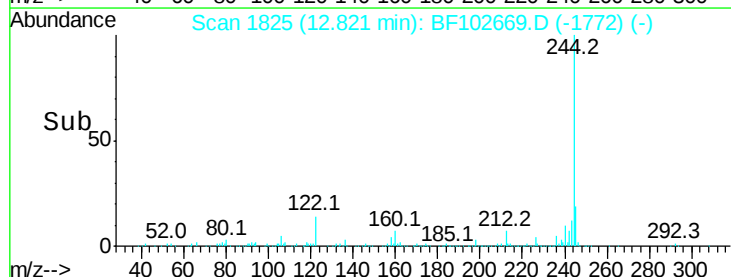
122 14.1 11.0 16.4

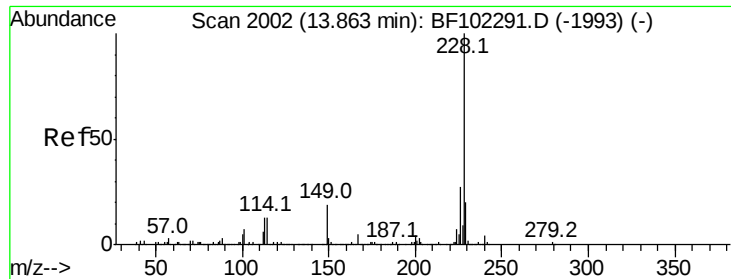


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

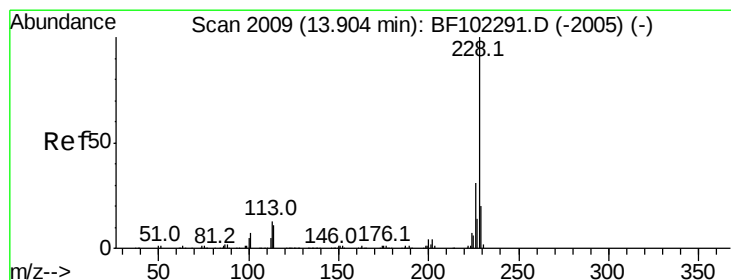
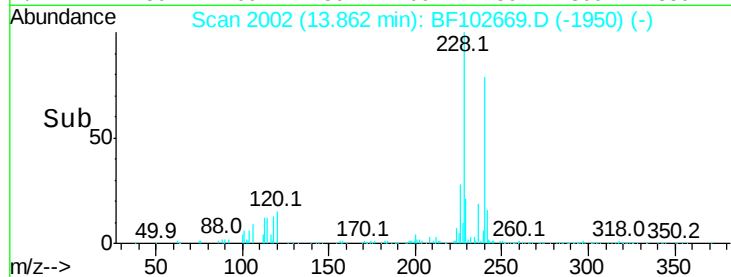
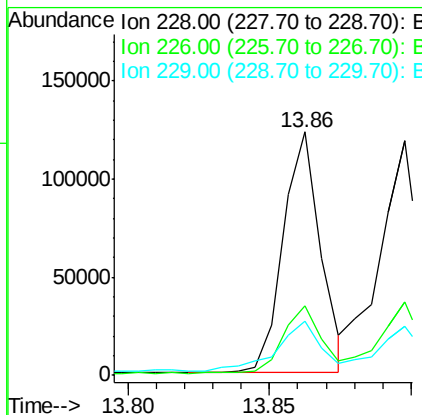
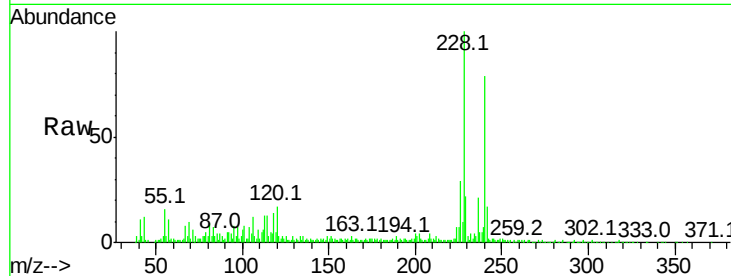




#80
Benzo(a)anthracene
Concen: 6.056 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

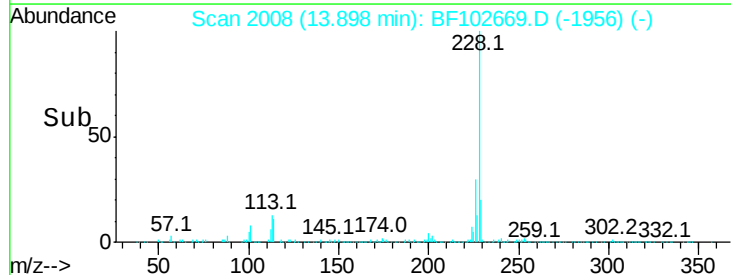
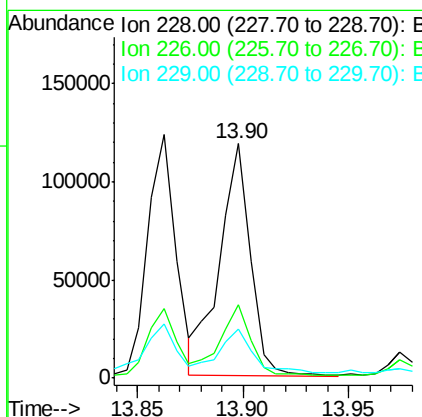
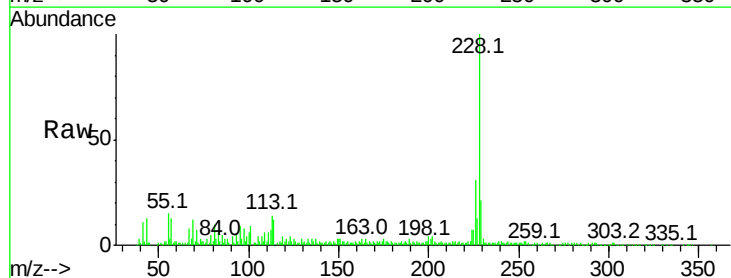
Instrument :
BNA_F
ClientSampleId :

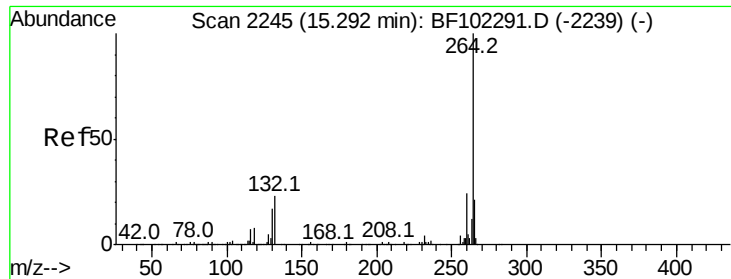
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	22.2	15.8	23.6



#82
Chrysene
Concen: 6.347 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	21.2	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

Instrument :

BNA_F

ClientSampleId :

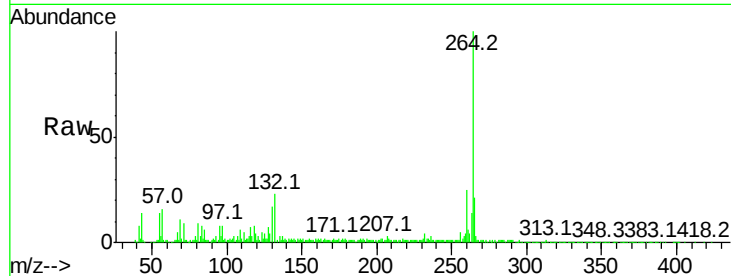
Tot Ion:264 Resp: 208073

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

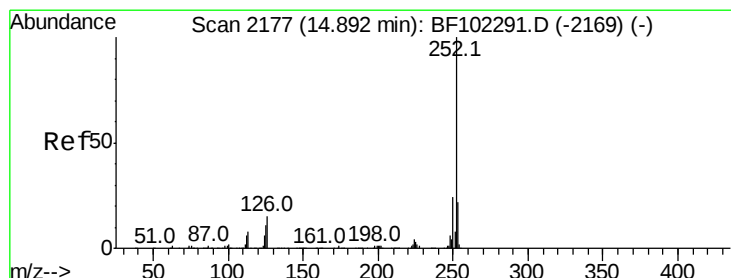
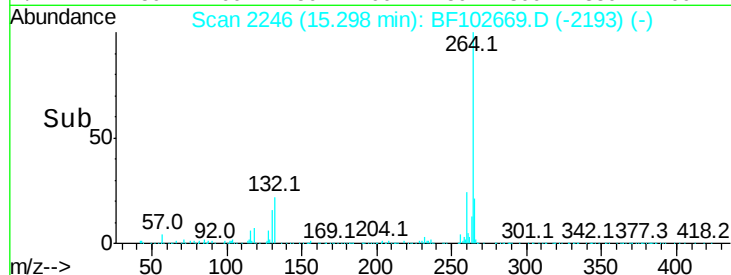
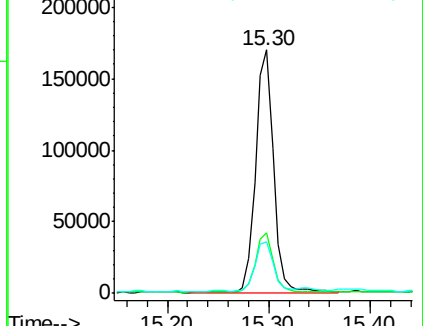
265 21.3 17.5 26.3



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: 8.815 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF102669.D

Acq: 31 Jan 2018 21:52

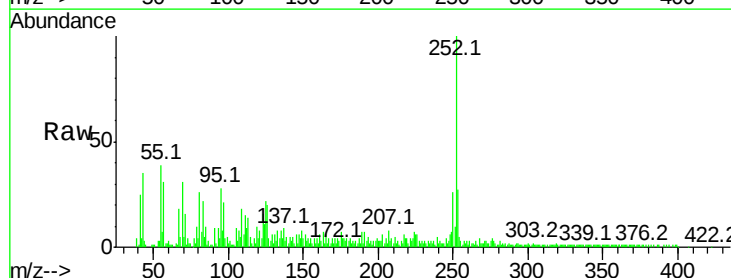
Tgt Ion:252 Resp: 118879

Ion Ratio Lower Upper

252 100

253 27.1 17.0 25.6#

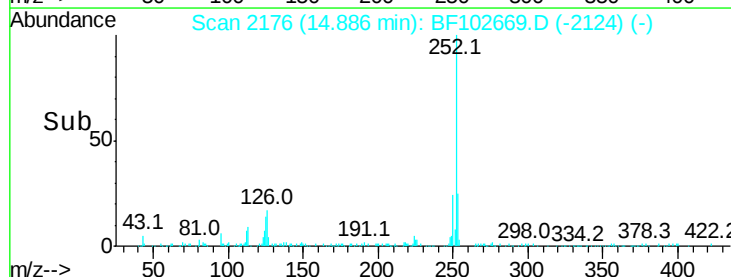
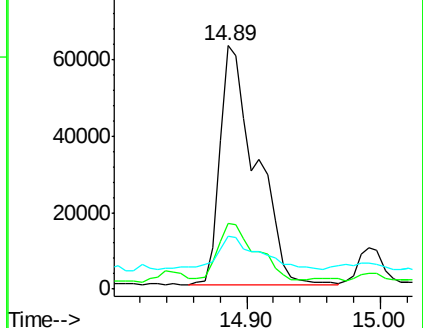
125 21.6 9.0 13.6#

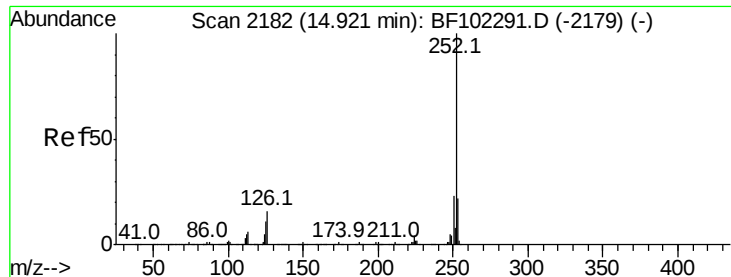


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

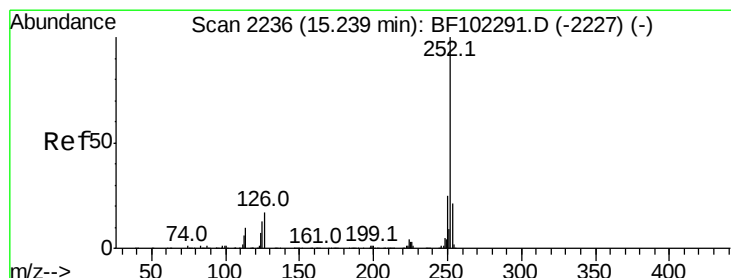
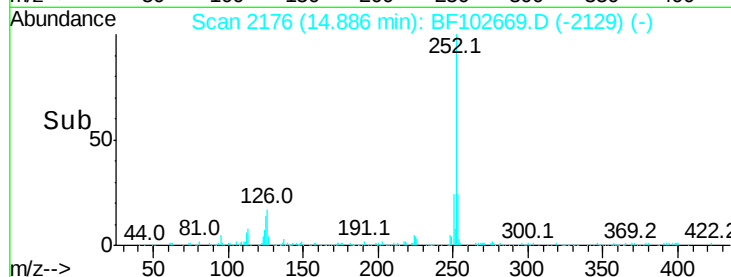
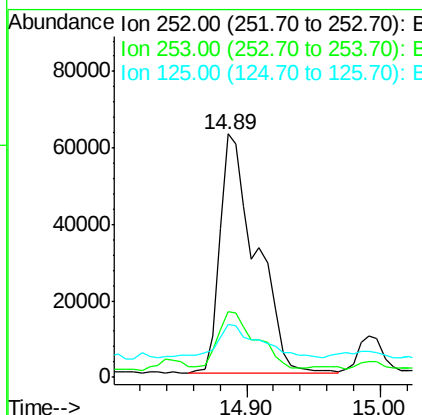
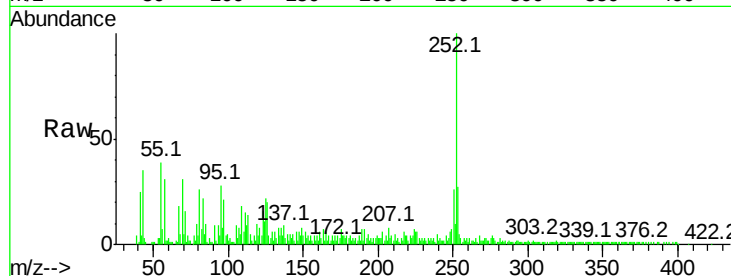




#88
Benzo(k)fluoranthene
Concen: 9.330 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

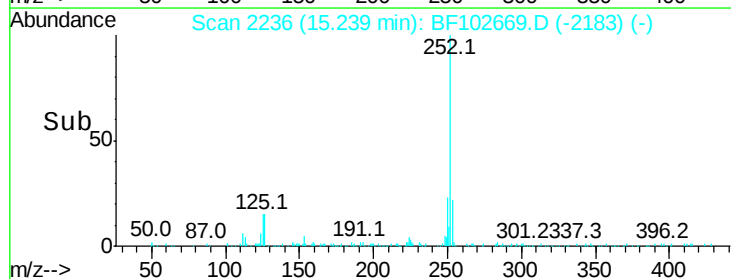
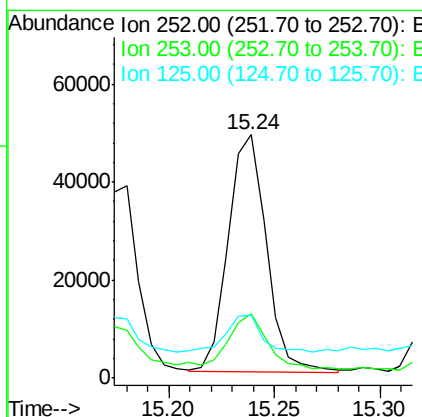
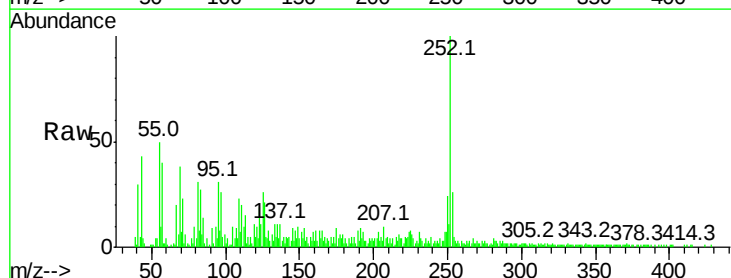
Instrument :
BNA_F
ClientSampleId :

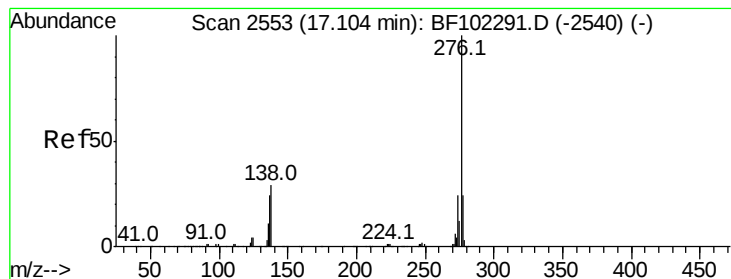
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	21.6	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 4.986 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF102669.D
Acq: 31 Jan 2018 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	26.2	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 3.072 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.02 min
 Lab File: BF102669.D
 Acq: 31 Jan 2018 21:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.4	17.9	26.9#
138	36.7	21.8	32.8#

