

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102464.D
 Acq On : 26 Jan 2018 13:18
 Operator : SJ/JU
 Sample : J1256-04RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 16:19:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	145466	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	594692	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	247114	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	335196	20.00	ng	0.00
75) Chrysene-d12	13.92	240	134635	20.00	ng	0.04
86) Perylene-d12	15.42	264	114976	20.00	ng	0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	846201	88.20	ng	0.00
7) Phenol-d6	6.36	99	1034813	89.47	ng	0.00
23) Nitrobenzene-d5	7.28	82	649483	62.76	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	186407	76.13	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1075715	64.01	ng	0.00
78) Terphenyl-d14	12.84	244	540539	90.51	ng	0.01

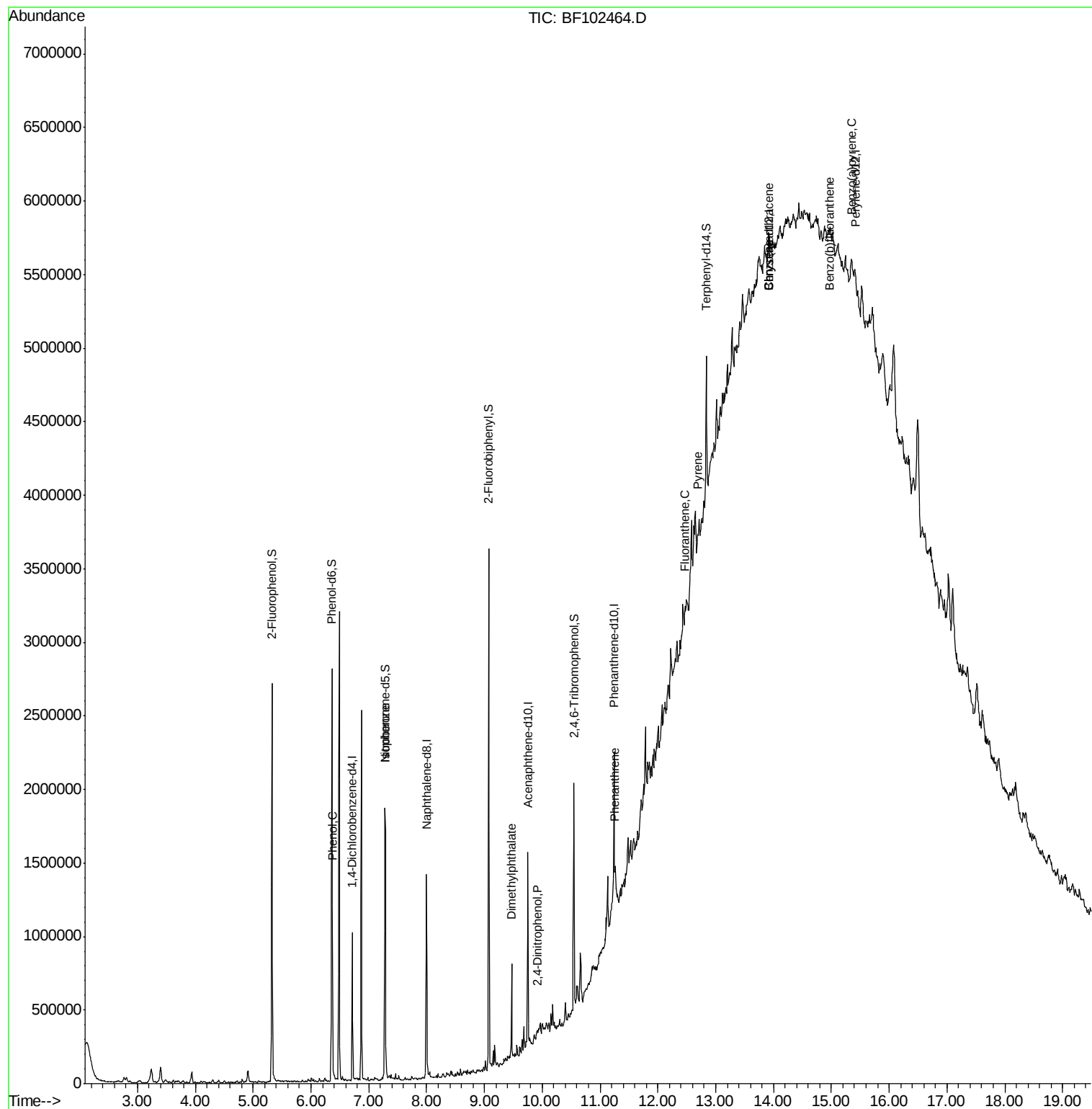
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	55617	4.405	ng	98
25) Isophorone	7.28	82	645259	34.976	ng	# 64
49) Dimethylphthalate	9.47	163	209400	10.252	ng	99
53) 2,4-Dinitrophenol	9.92	184	109	3.748	ng	# 73
70) Phenanthrene	11.26	178	66246	3.392	ng	# 95
74) Fluoranthene	12.46	202	63516	3.189	ng	86
77) Pyrene	12.69	202	62475	6.002	ng	# 86
80) Benzo(a)anthracene	13.93	228	81410	9.821	ng	# 33
82) Chrysene	13.93	228	81410	9.672	ng	# 40
87) Benzo(b)fluoranthene	14.97	252	31299	4.200	ng	# 1
89) Benzo(a)pyrene	15.35	252	13523	2.012	ng	# 1

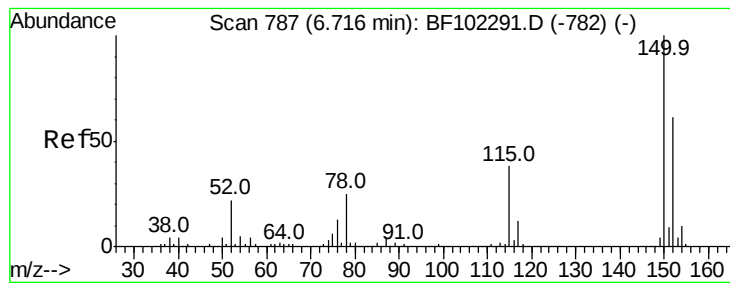
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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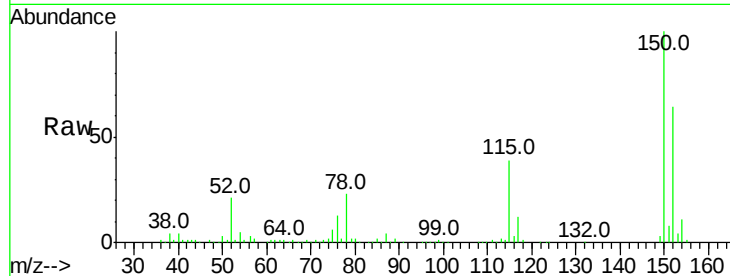


#1

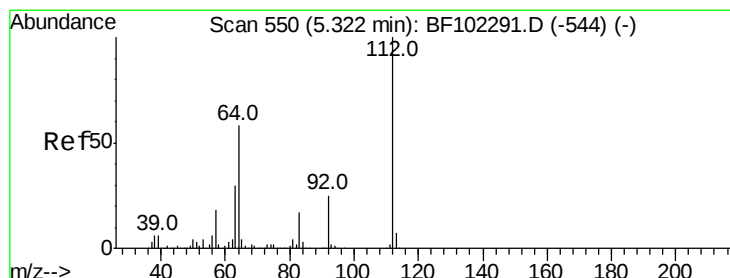
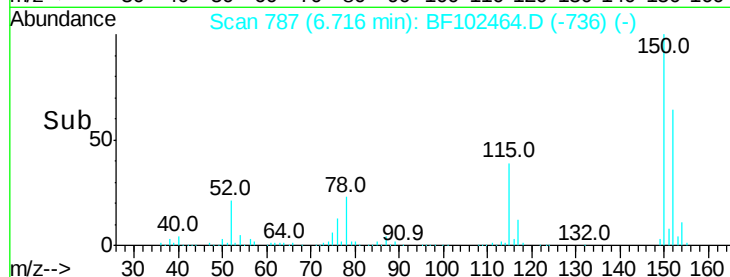
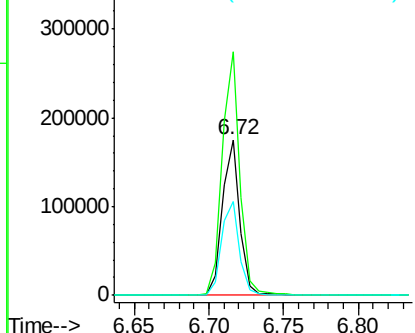
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145466
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 60.5 50.1 75.1



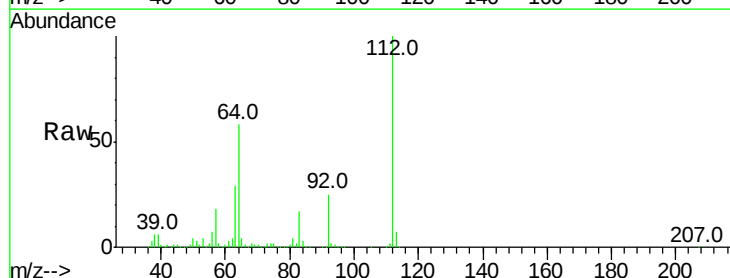
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



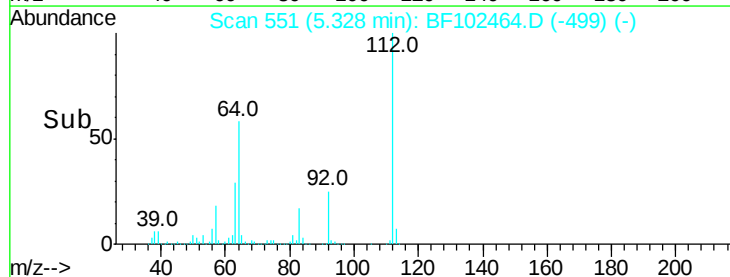
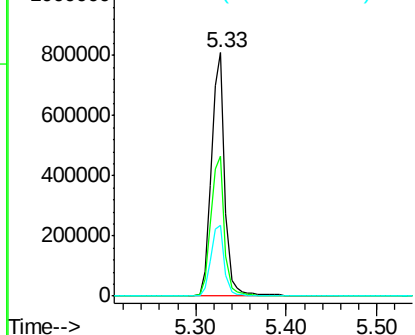
#5

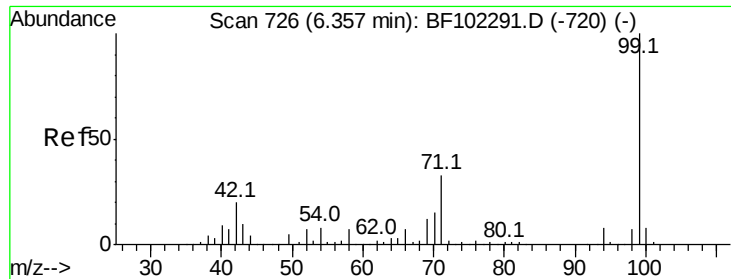
2-Fluorophenol
Concen: 88.203 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

Tgt Ion:112 Resp: 846201
Ion Ratio Lower Upper
112 100
64 57.6 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: 89.469 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

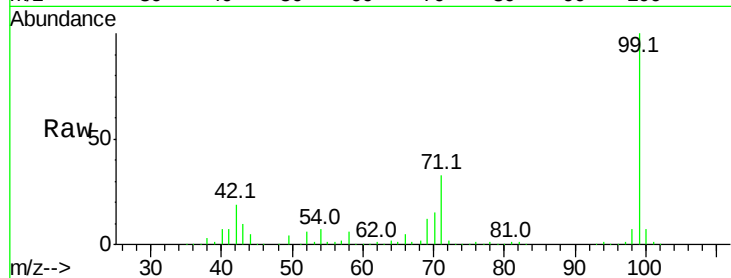
Tot Ion: 99 Resp: 1034813

Ion Ratio Lower Upper

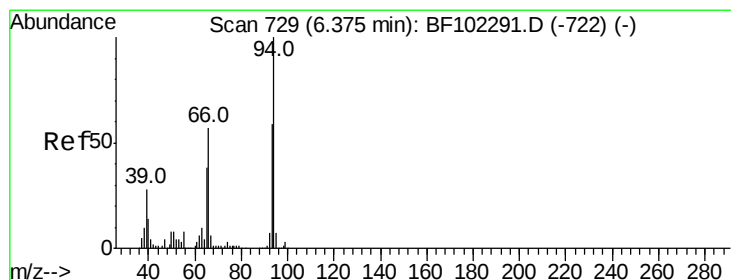
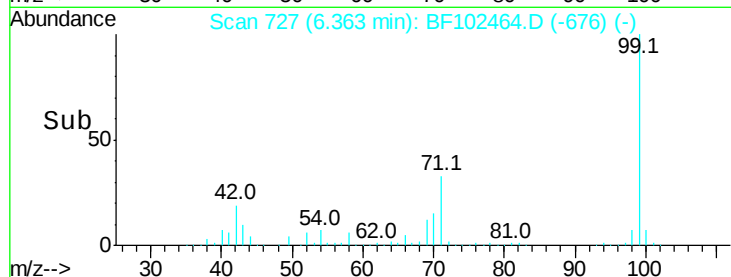
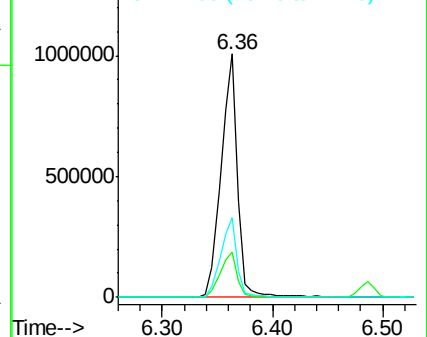
99 100

42 18.6 14.5 21.7

71 32.8 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: 4.405 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

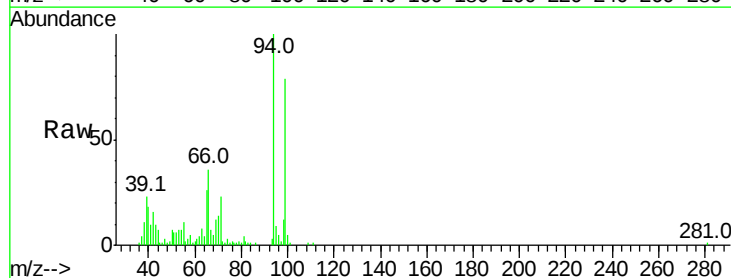
Tgt Ion: 94 Resp: 55617

Ion Ratio Lower Upper

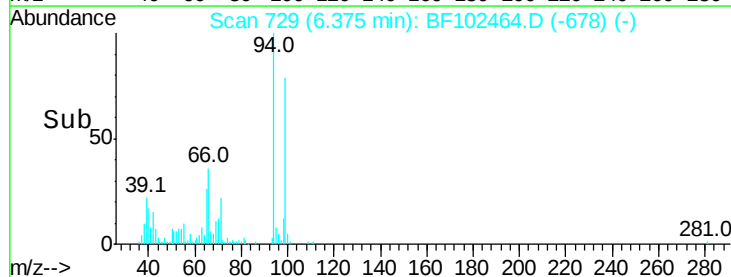
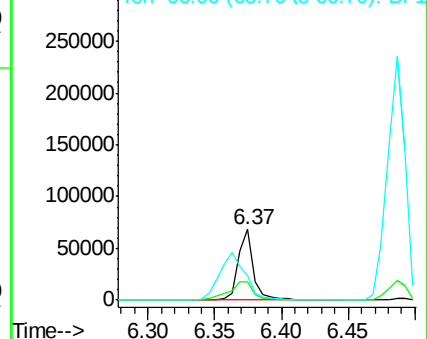
94 100

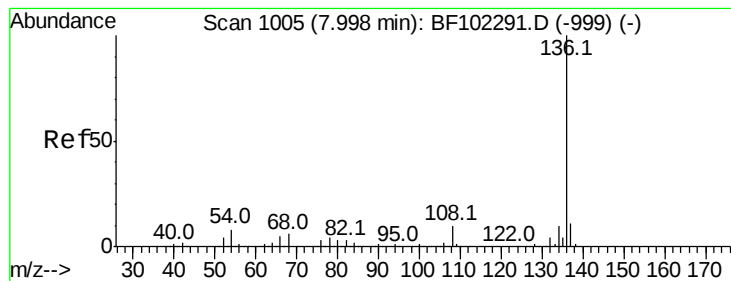
65 26.0 7.9 47.9

66 35.5 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: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 594692

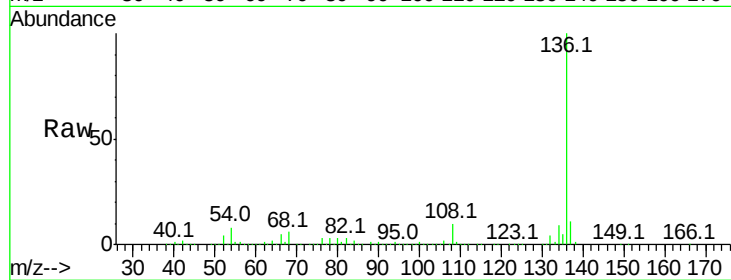
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.2 6.6 9.8

68 5.6 5.0 7.4

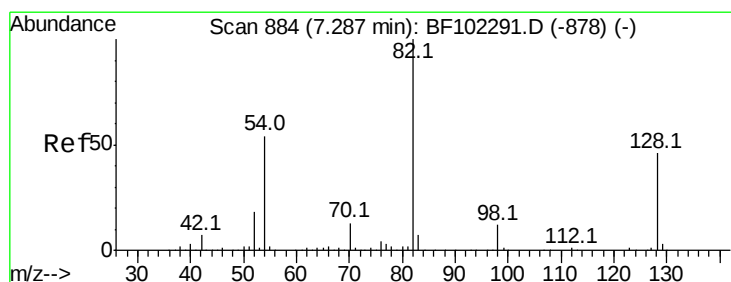
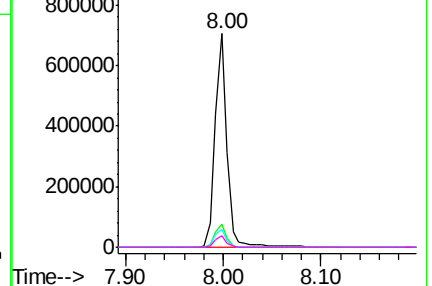
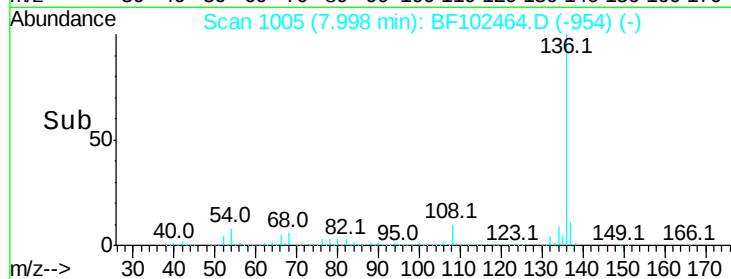


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.762 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

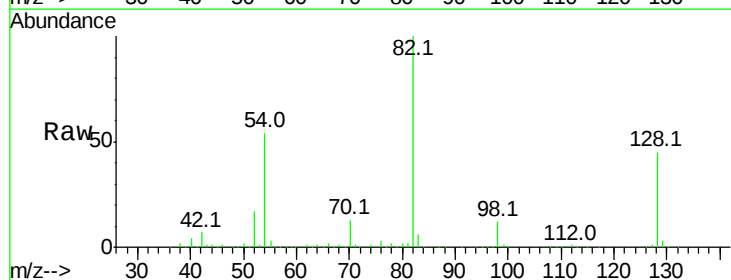
Tgt Ion: 82 Resp: 649483

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

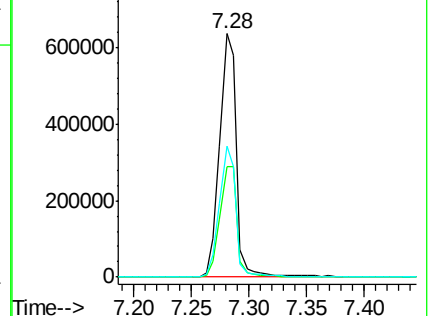
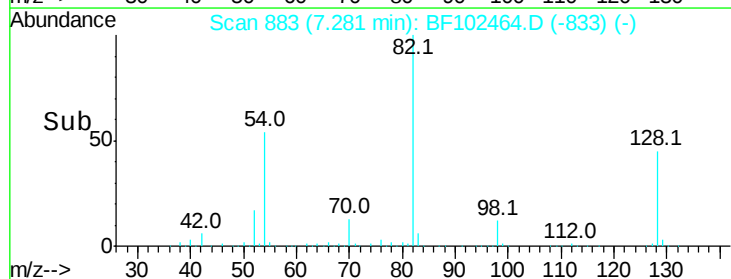
54 53.7 41.4 62.2

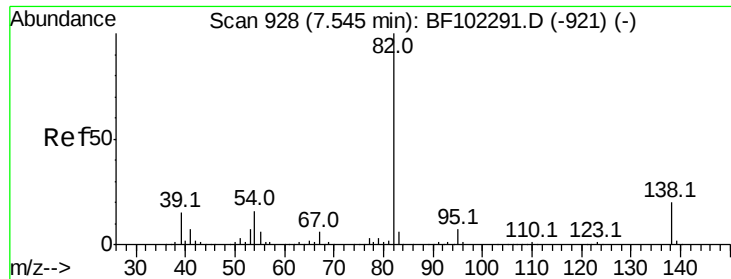


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.976 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

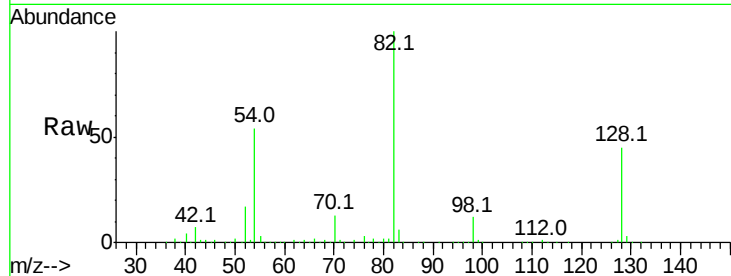
Tot Ion: 82 Resp: 645259

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

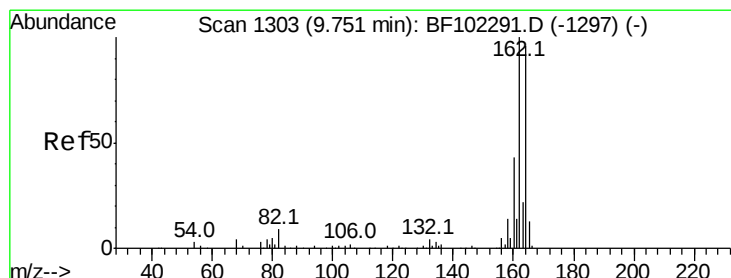
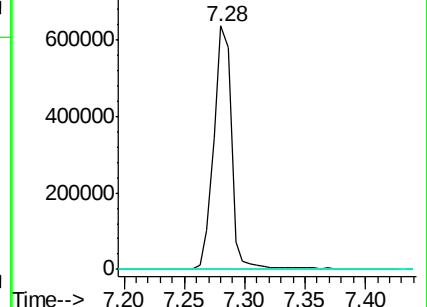
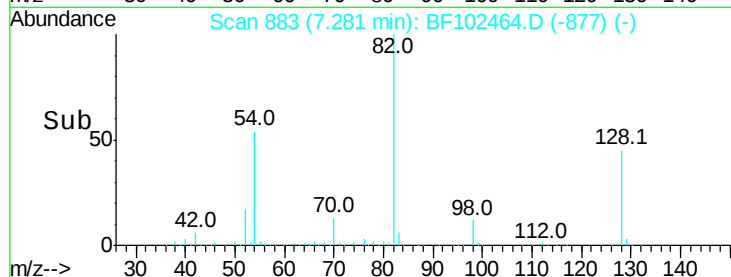
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

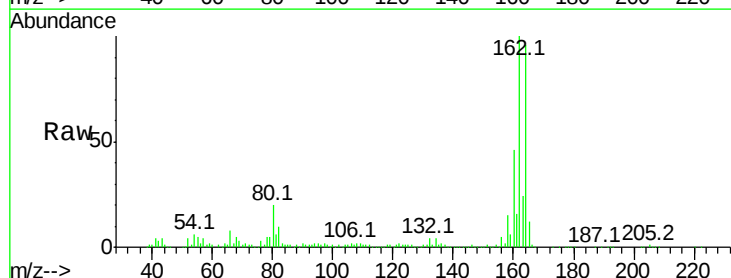
Tgt Ion:164 Resp: 247114

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

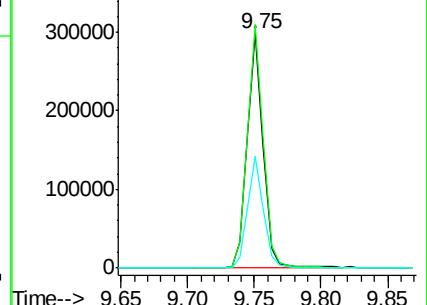
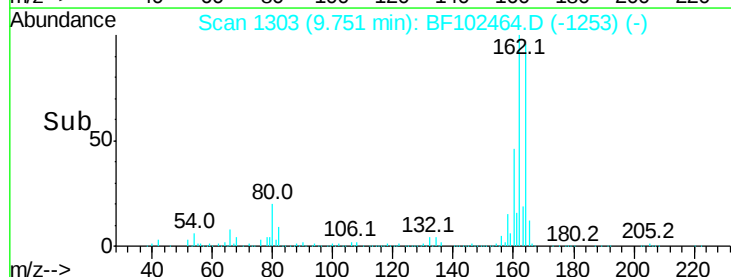
160 47.6 38.3 57.5

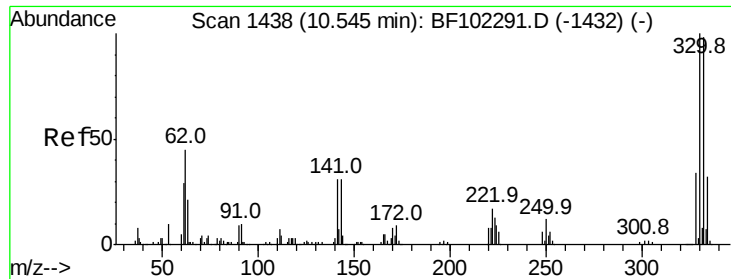


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

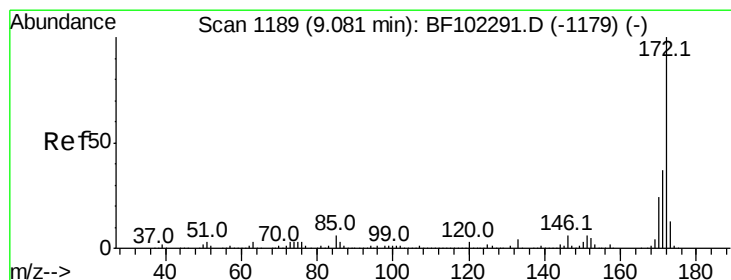
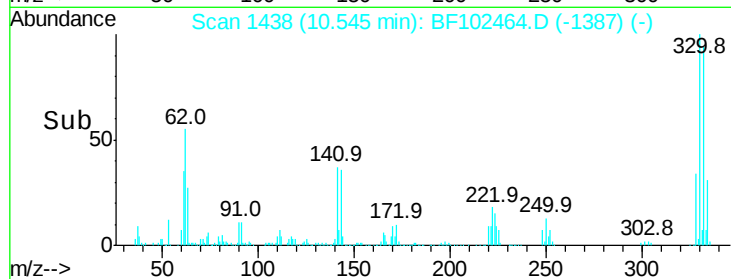
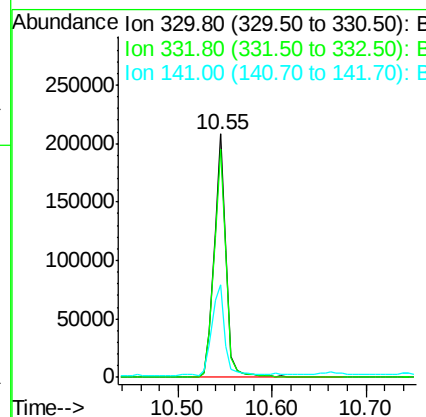
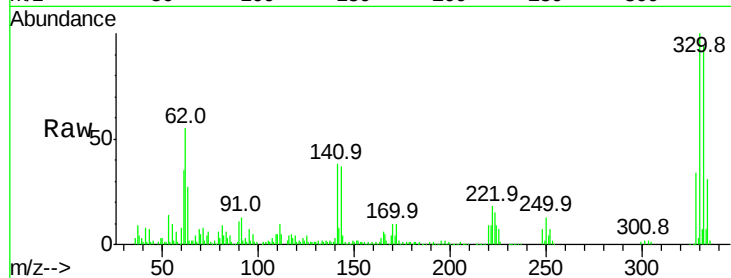




#41
 2,4,6-Tribromophenol
 Concen: 76.130 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102464.D
 Acq: 26 Jan 2018 13:18

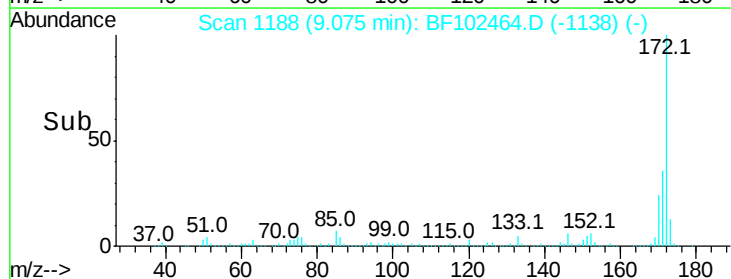
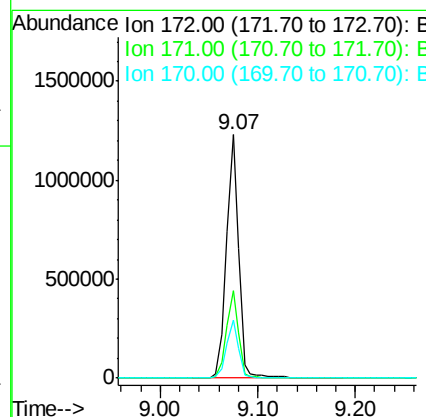
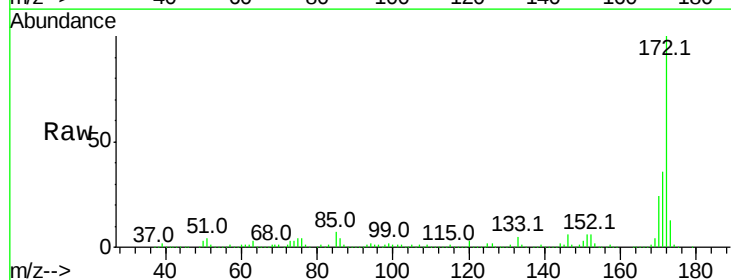
Instrument :
 BNA_F
 ClientSampleId :

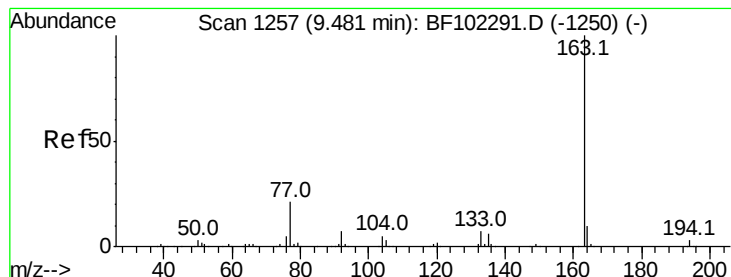
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	40.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 64.006 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102464.D
 Acq: 26 Jan 2018 13:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.6	19.6	29.4





#49

Dimethylphthalate

Concen: 10.252 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

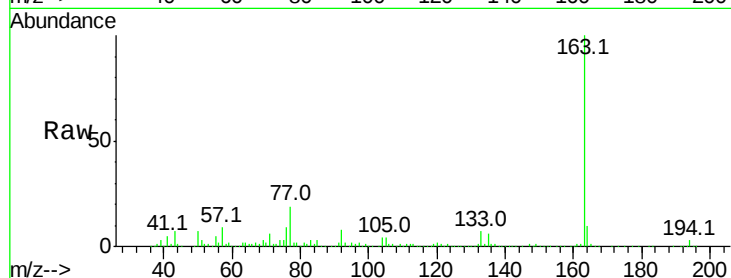
Tot Ion:163 Resp: 209400

Ion Ratio Lower Upper

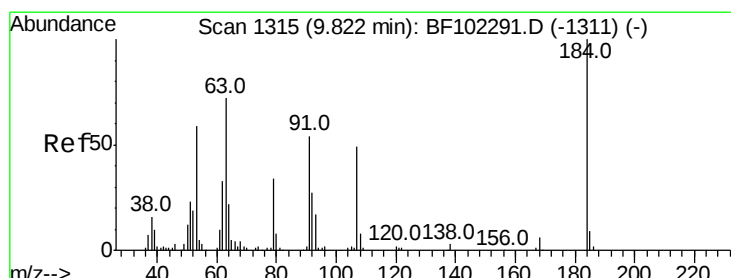
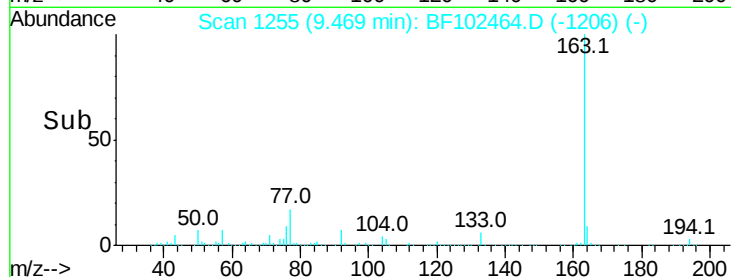
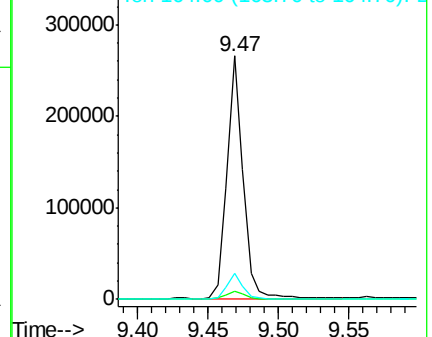
163 100

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



#53

2,4-Dinitrophenol

Concen: 3.748 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.08 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

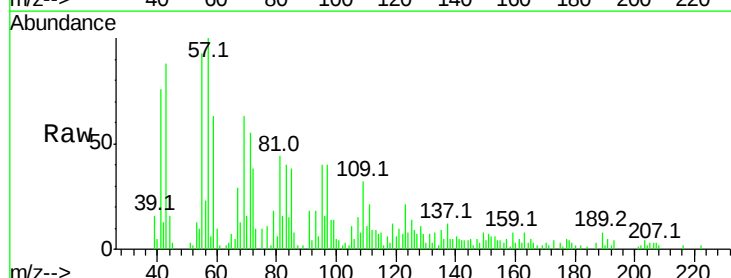
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

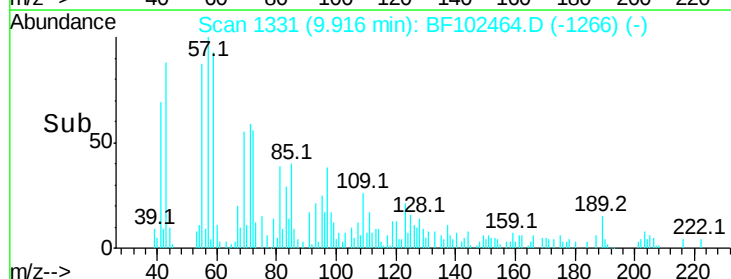
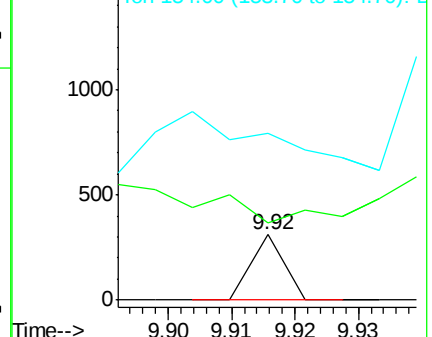
184 100

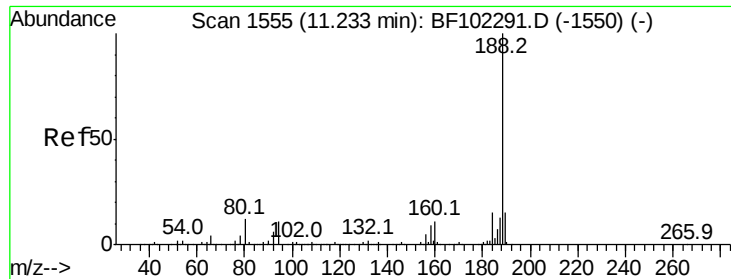
63 119.0 54.2 81.2#

154 256.1 184.0 276.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

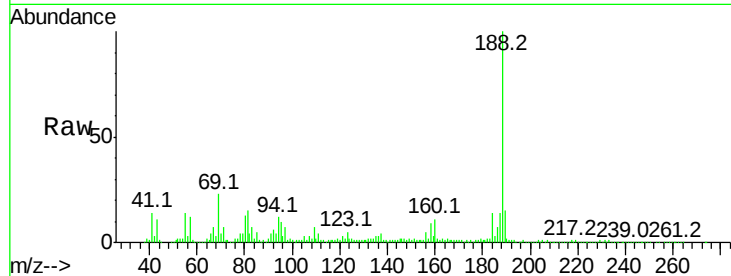




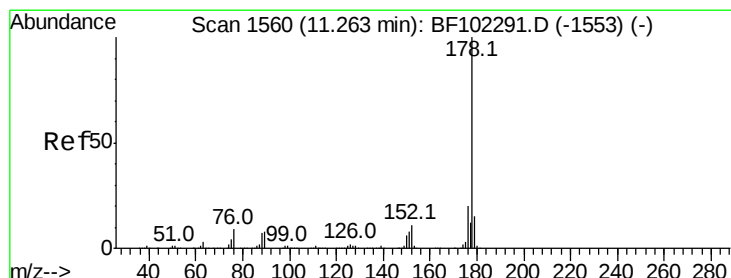
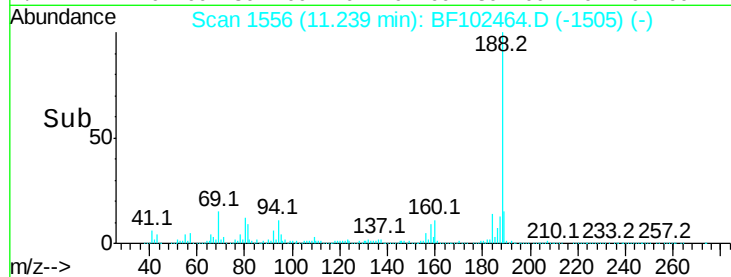
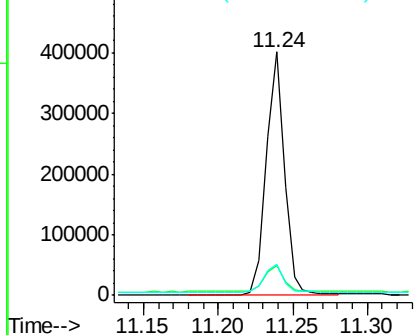
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 335196
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 12.8 9.2 13.8

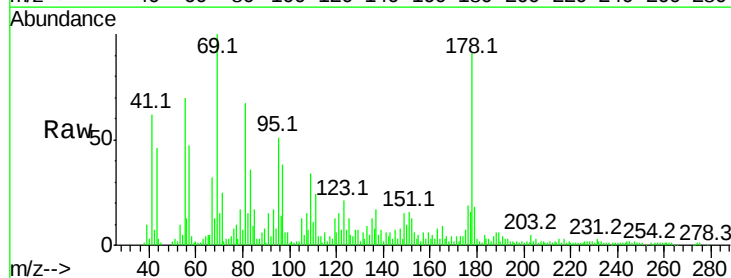


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

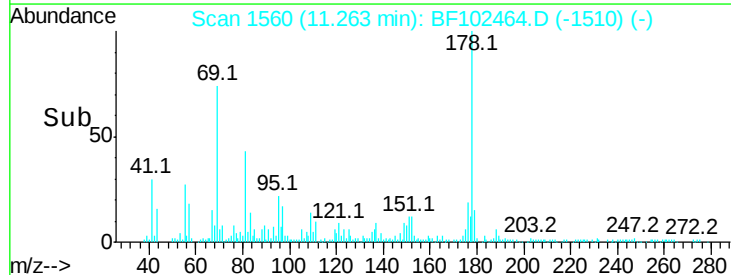
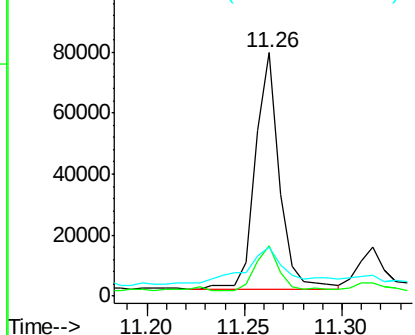


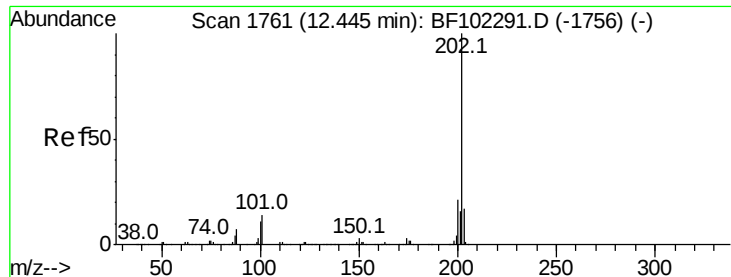
#70
Phenanthrene
Concen: 3.392 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

Tgt Ion:178 Resp: 66246
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 20.2 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: 3.189 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

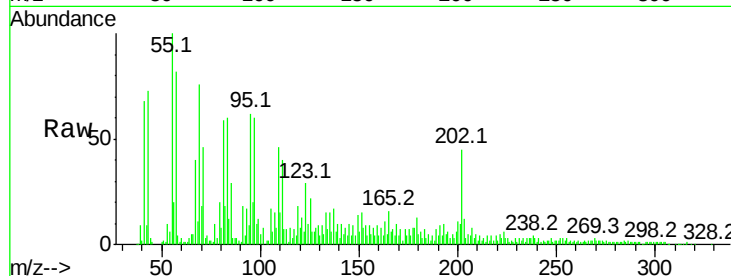
Tot Ion:202 Resp: 63516

Ion Ratio Lower Upper

202 100

101 17.4 0.0 34.1

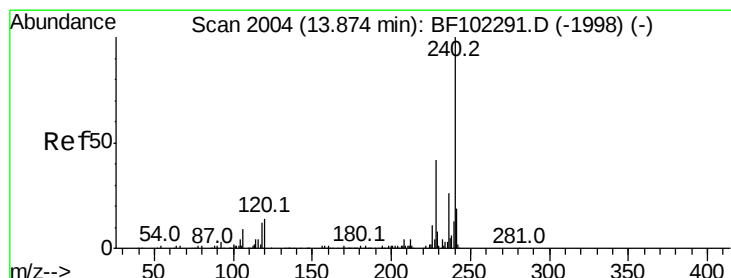
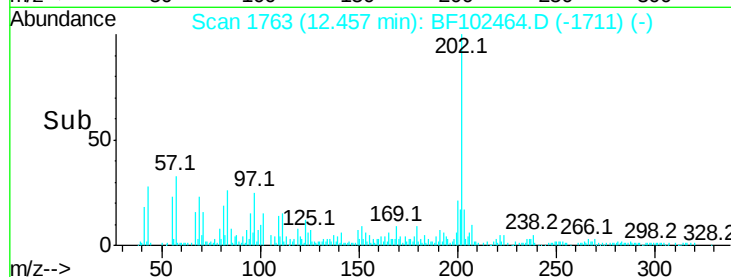
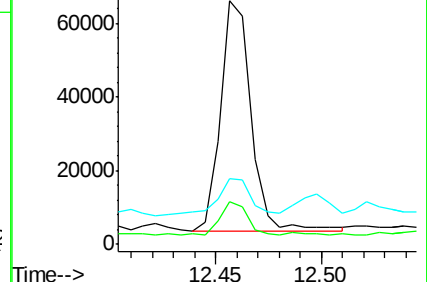
203 26.7 0.0 38.1



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: 13.92 min Scan# 2011

Delta R.T. 0.04 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

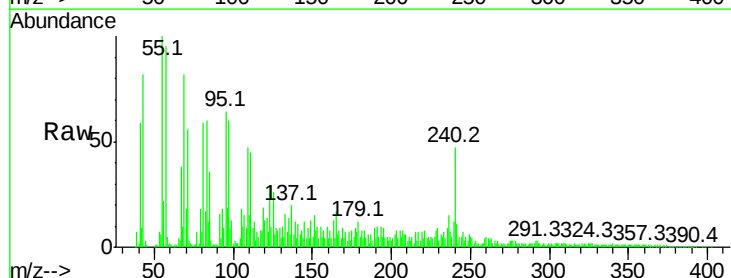
Tgt Ion:240 Resp: 134635

Ion Ratio Lower Upper

240 100

120 28.0 9.5 14.3#

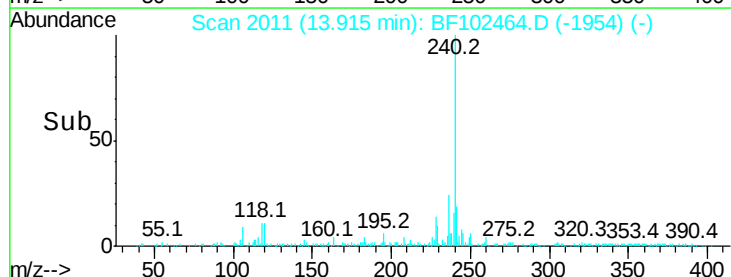
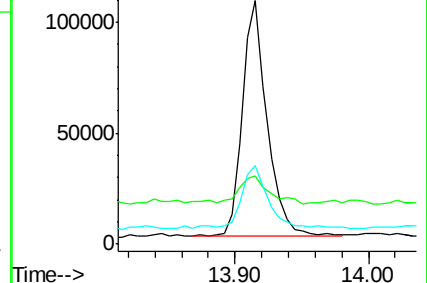
236 32.2 20.7 31.1#

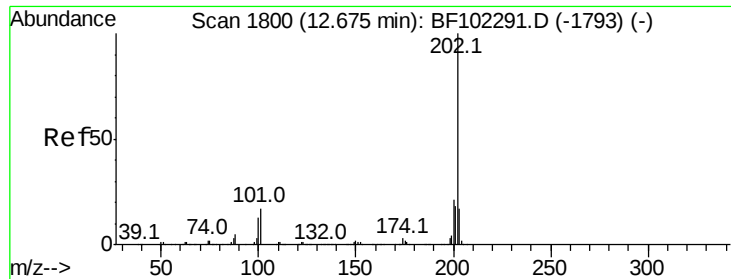


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

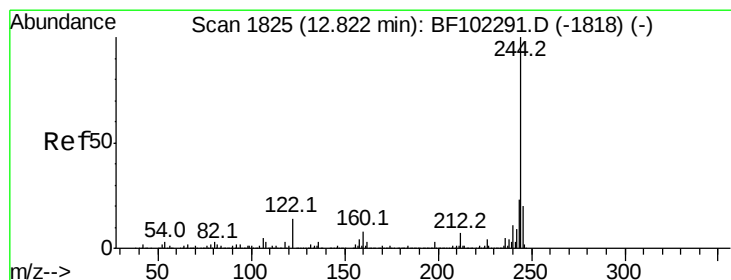
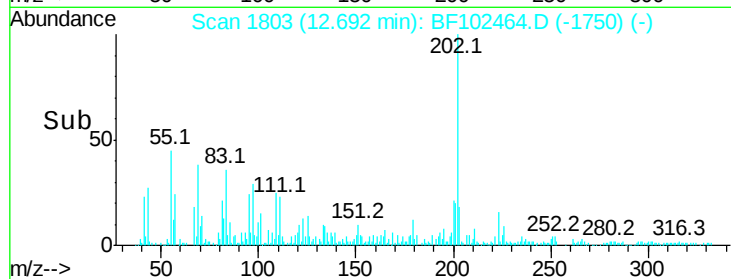
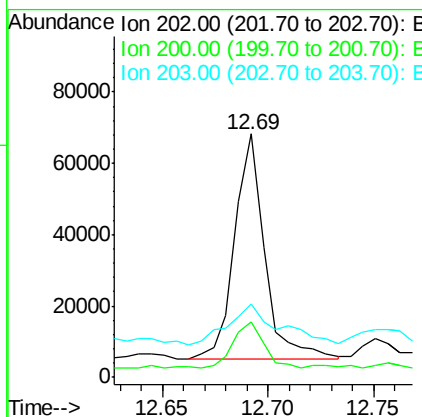
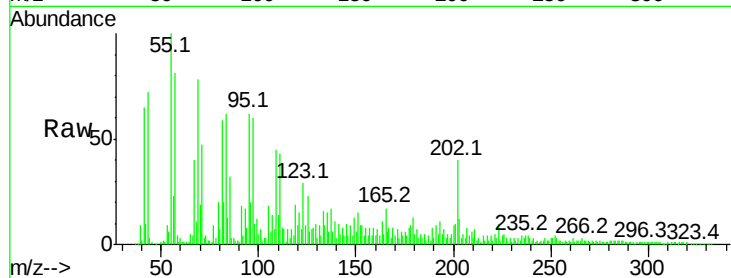




#77
Pvrene
Concen: 6.002 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

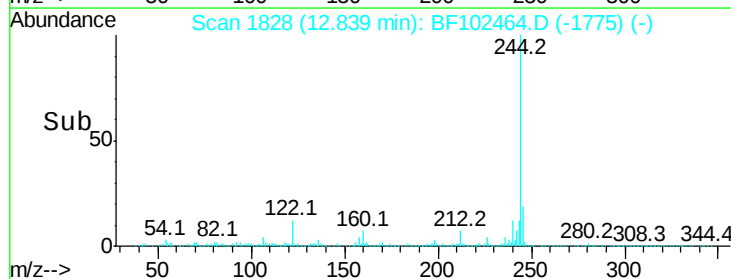
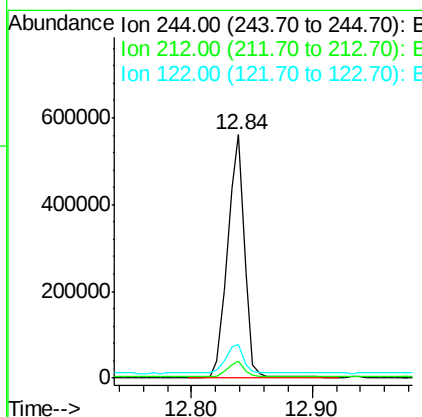
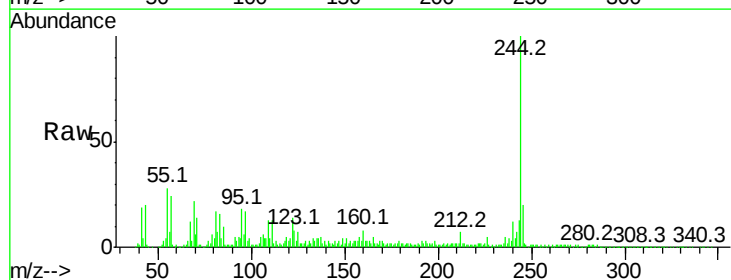
Instrument :
BNA_F
ClientSampleId :

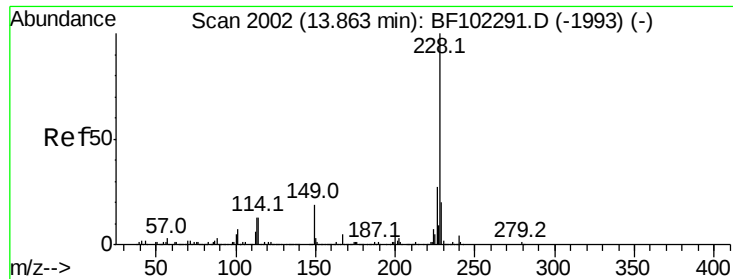
Tot Ion:202 Resp: 62475
Ion Ratio Lower Upper
202 100
200 22.9 17.4 26.2
203 30.1 14.3 21.5#



#78
Terphenyl-d14
Concen: 90.509 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF102464.D
Acq: 26 Jan 2018 13:18

Tgt Ion:244 Resp: 540539
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.7 11.0 16.4





#80

Benzo(a)anthracene

Concen: 9.821 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.06 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

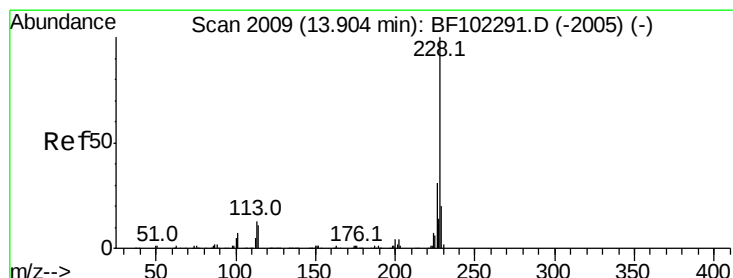
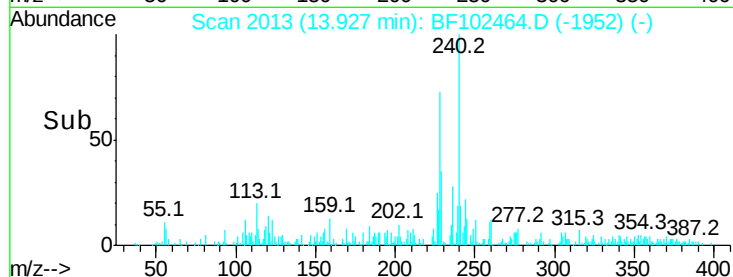
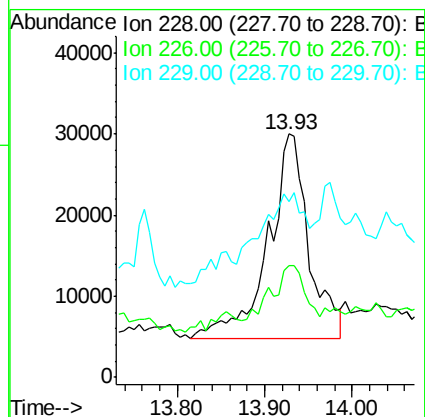
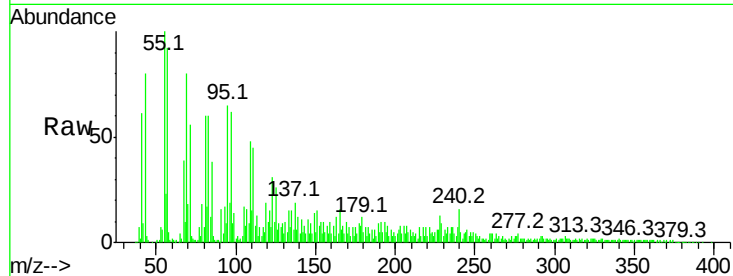
Tot Ion:228 Resp: 81410

Ion Ratio Lower Upper

228 100

226 46.0 22.6 33.8#

229 72.0 15.8 23.6#



#82

Chrysene

Concen: 9.672 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

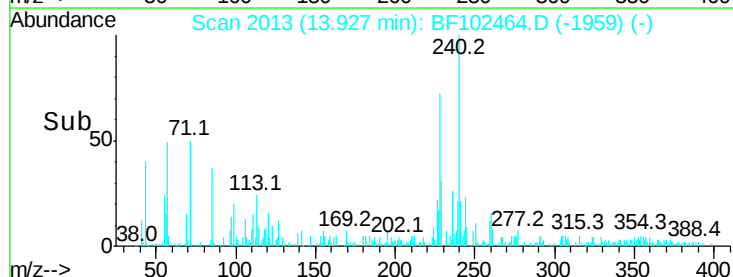
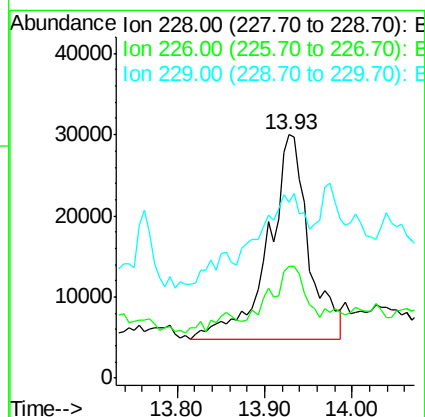
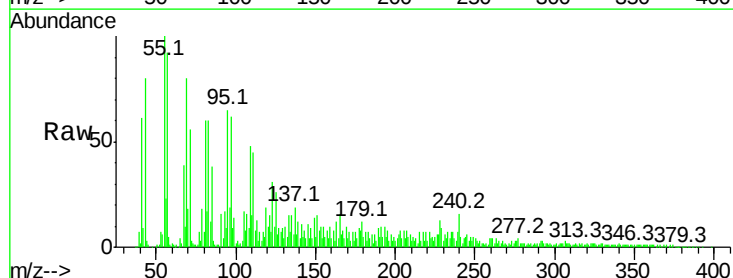
Tgt Ion:228 Resp: 81410

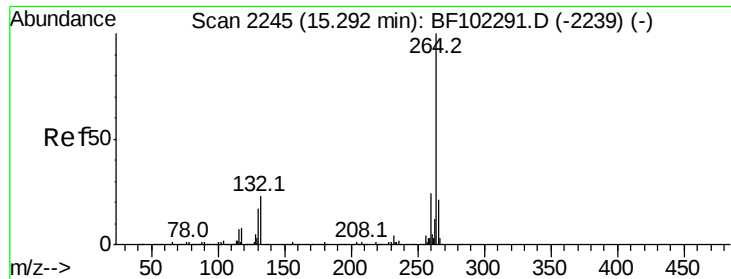
Ion Ratio Lower Upper

228 100

226 46.0 25.0 37.6#

229 72.0 16.2 24.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.11 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

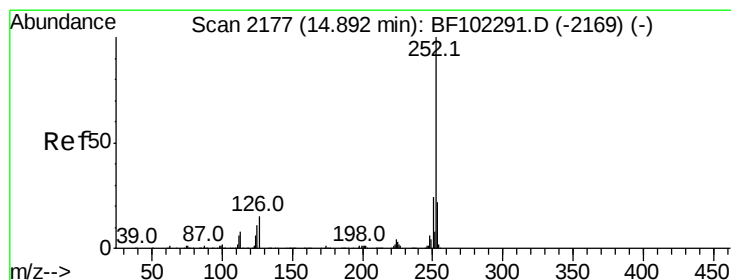
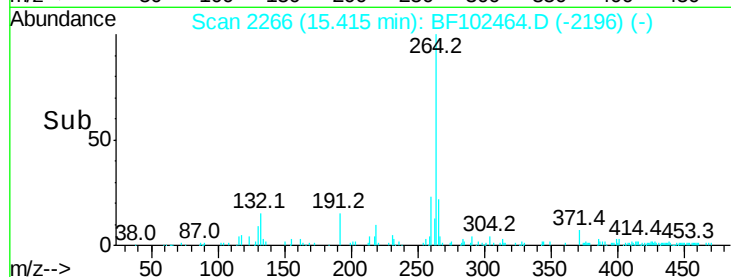
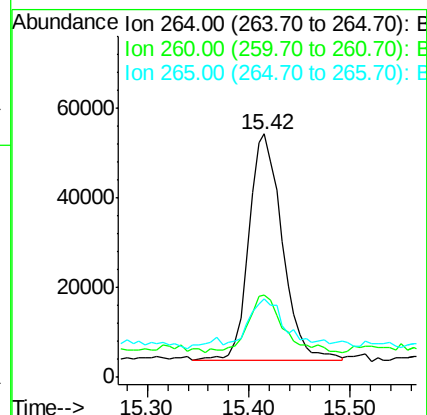
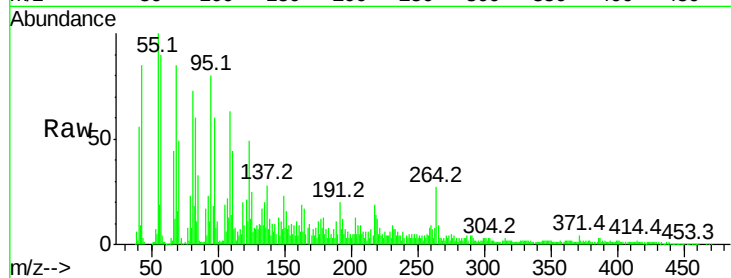
Tot Ion:264 Resp: 114976

Ion Ratio Lower Upper

264 100

260 34.0 19.2 28.8#

265 32.3 17.5 26.3#



#87

Benzo(b)fluoranthene

Concen: 4.200 ng

RT: 14.97 min Scan# 2191

Delta R.T. 0.08 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

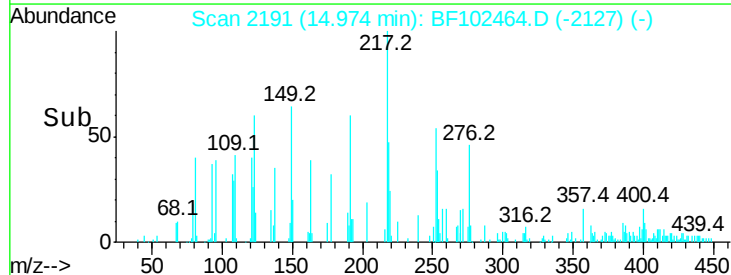
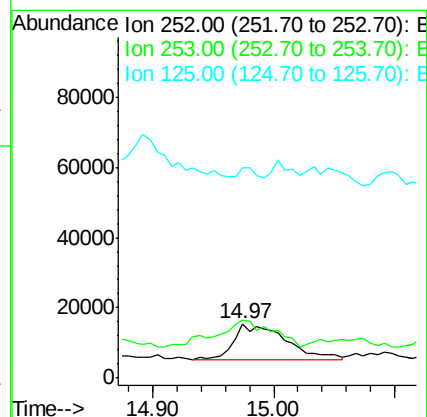
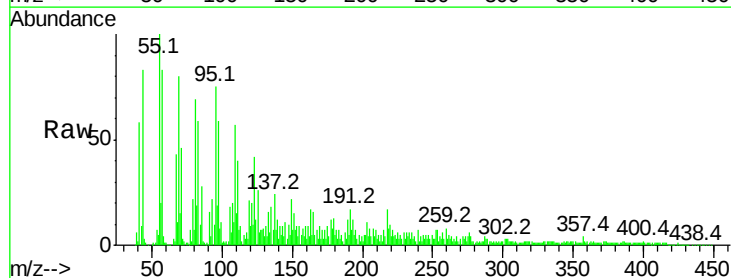
Tgt Ion:252 Resp: 31299

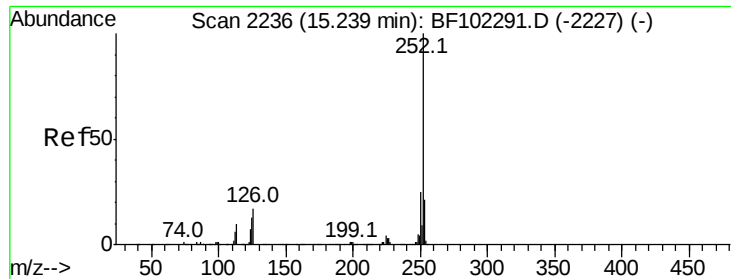
Ion Ratio Lower Upper

252 100

253 107.0 17.0 25.6#

125 385.8 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 2.012 ng

RT: 15.35 min Scan# 2255

Delta R.T. 0.11 min

Lab File: BF102464.D

Acq: 26 Jan 2018 13:18

Instrument :

BNA_F

ClientSampleId :

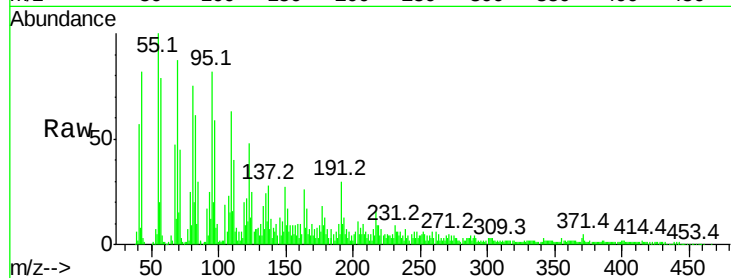
Tot Ion:252 Resp: 13523

Ion Ratio Lower Upper

252 100

253 85.1 17.1 25.7#

125 450.7 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

