

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102654.D
 Acq On : 30 Jan 2018 21:57
 Operator : SJ/JU
 Sample : J1361-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

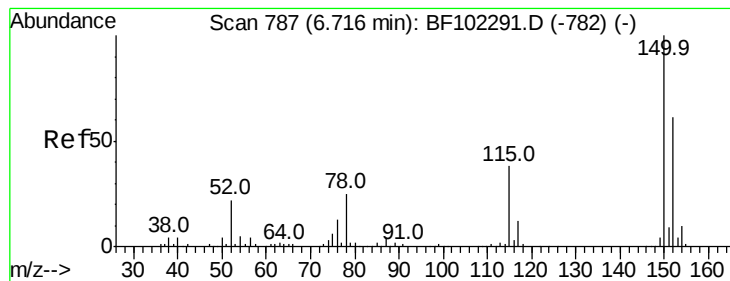
Quant Time: Jan 31 02:29:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156853	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	653994	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	271974	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	406957	20.00	ng	0.00
75) Chrysene-d12	13.88	240	300669	20.00	ng	0.00
86) Perylene-d12	15.31	264	253678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	245744	23.76	ng	0.00
7) Phenol-d6	6.36	99	308124	24.71	ng	0.00
23) Nitrobenzene-d5	7.28	82	173681	15.26	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	38419	14.26	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	329889	17.83	ng	0.00
78) Terphenyl-d14	12.82	244	214428	16.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	23136	3.031	ng	# 77
25) Isophorone	7.28	82	173679	8.561	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	35011	7.224	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	35011	5.874	ng	# 22
70) Phenanthrene	11.26	178	112617	4.749	ng	98
74) Fluoranthene	12.45	202	182119	7.531	ng	96
77) Pyrene	12.67	202	179391	7.717	ng	99
80) Benzo(a)anthracene	13.87	228	127455	6.885	ng	97
82) Chrysene	13.90	228	136943	7.285	ng	97
85) Indeno(1,2,3-cd)pyrene	16.72	276	90804	5.849	ng	95
87) Benzo(b)fluoranthene	14.90	252	285423	17.359	ng	# 96
88) Benzo(k)fluoranthene	14.90	252	285423	18.374	ng	98
89) Benzo(a)pyrene	15.25	252	166324	11.216	ng	# 94
90) Dibenzo(a,h)anthracene	16.72	278	25518	2.124	ng	# 72
91) Benzo(a,h,i)perylene	17.14	276	91064	7.678	ng	93

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

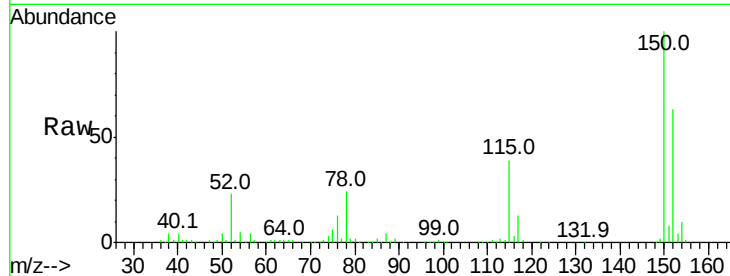


#1

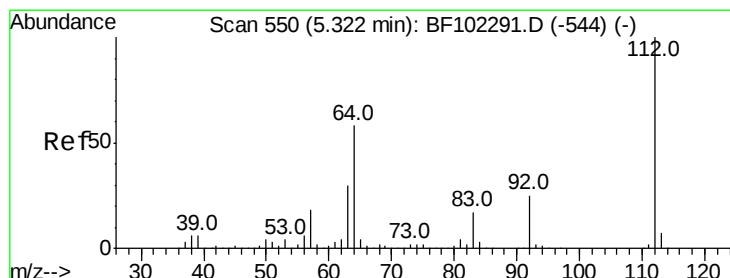
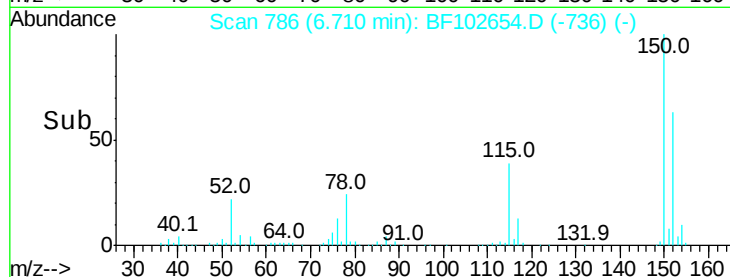
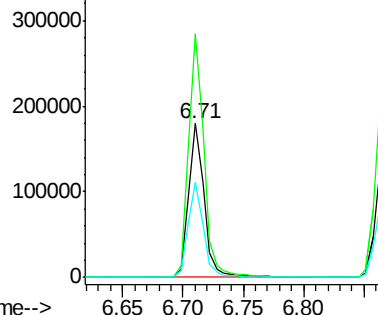
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 156853
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.6 186.8
 115 61.8 50.1 75.1



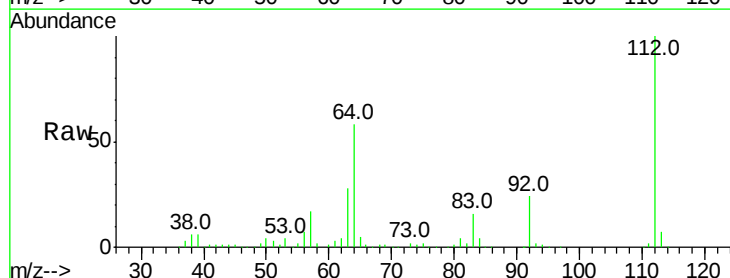
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



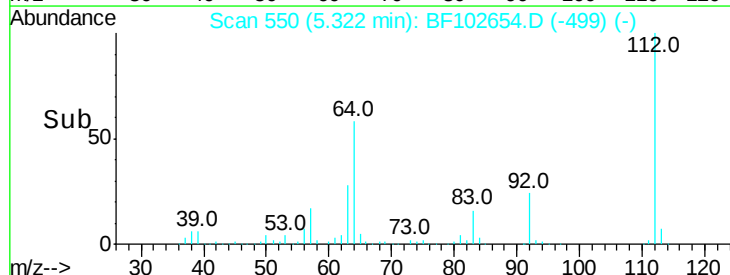
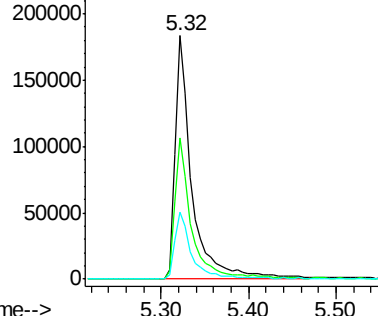
#5

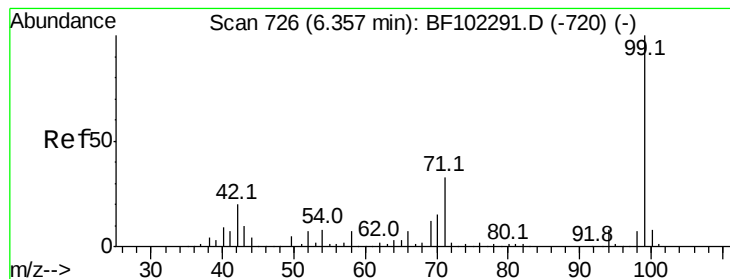
2-Fluorophenol
 Concen: 23.755 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF102654.D
 Acq: 30 Jan 2018 21:57

Tgt Ion:112 Resp: 245744
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 27.7 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: 24.706 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampled :

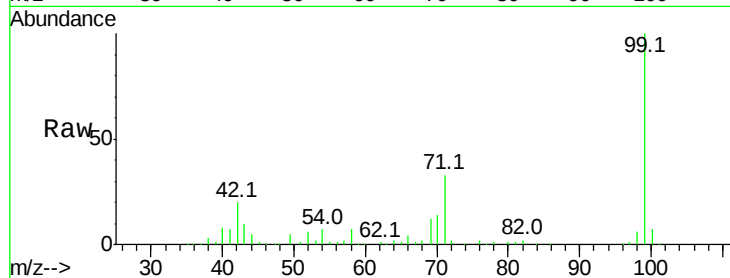
Tot Ion: 99 Resp: 308124

Ion Ratio Lower Upper

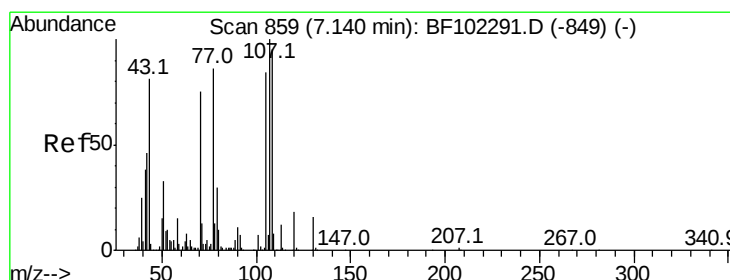
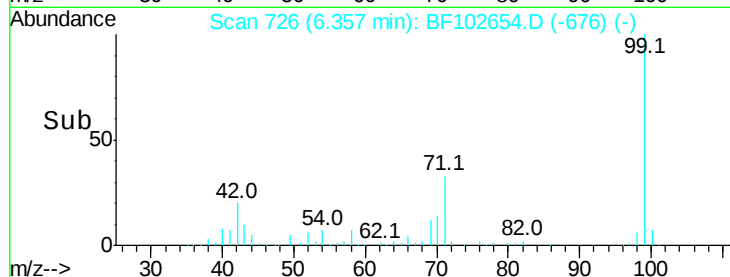
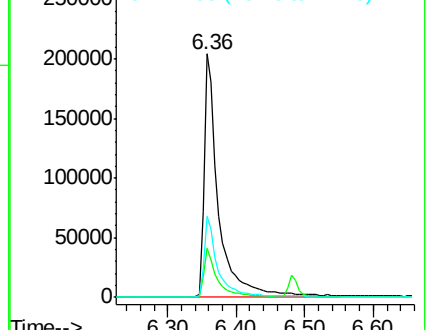
99 100

42 20.2 14.5 21.7

71 33.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.031 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Tgt Ion: 70 Resp: 23136

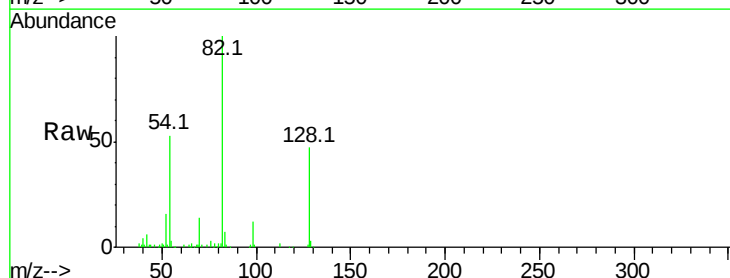
Ion Ratio Lower Upper

70 100

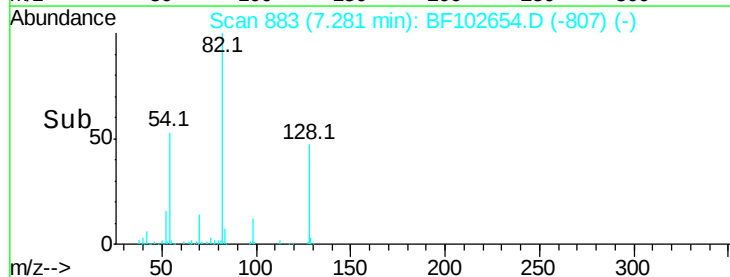
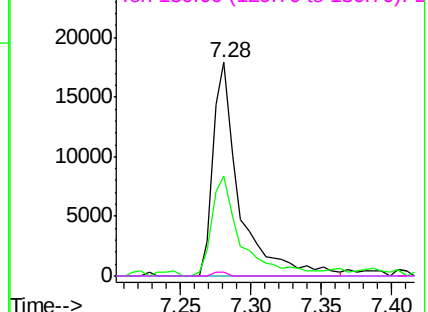
42 46.7 47.5 71.3#

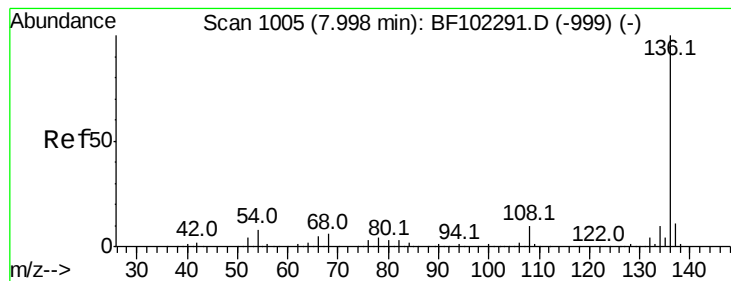
101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 653994

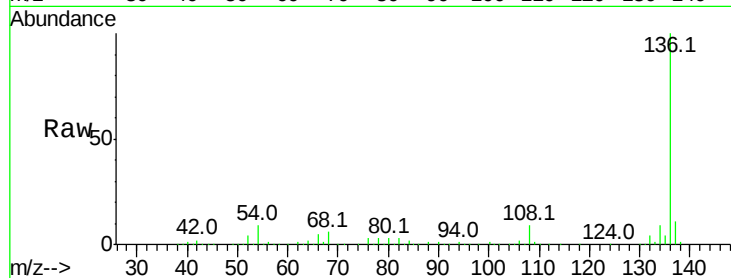
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.9 6.6 9.8

68 6.1 5.0 7.4

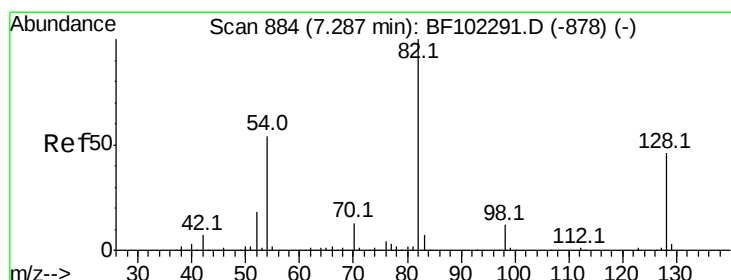
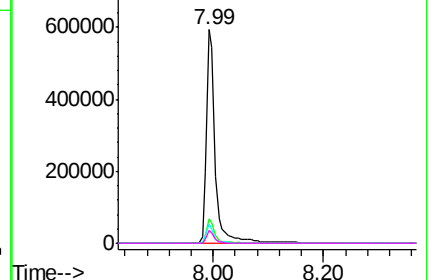
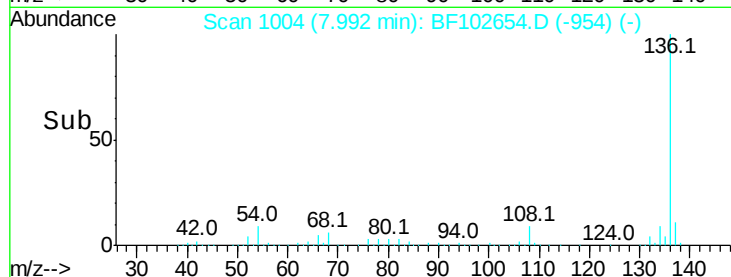


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.261 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

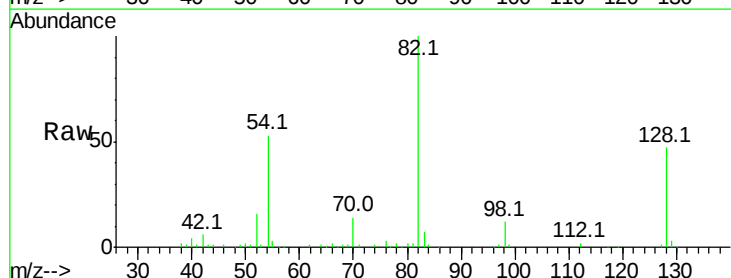
Tgt Ion: 82 Resp: 173681

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

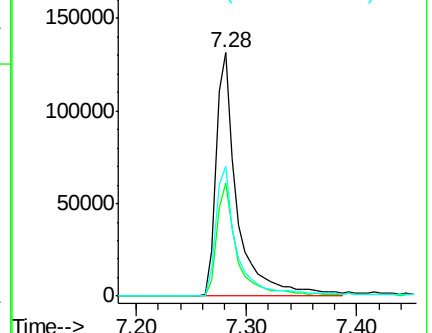
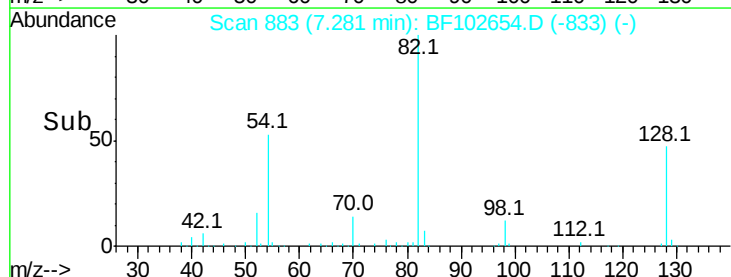
54 53.1 41.4 62.2

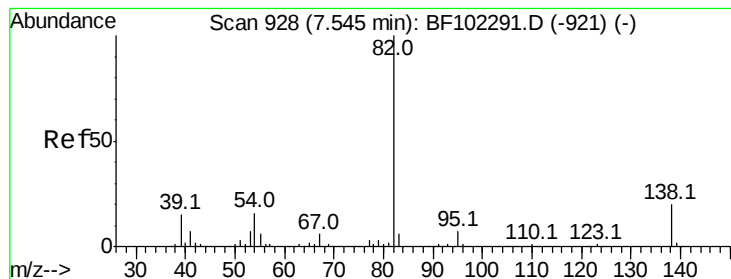


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.561 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampleId :

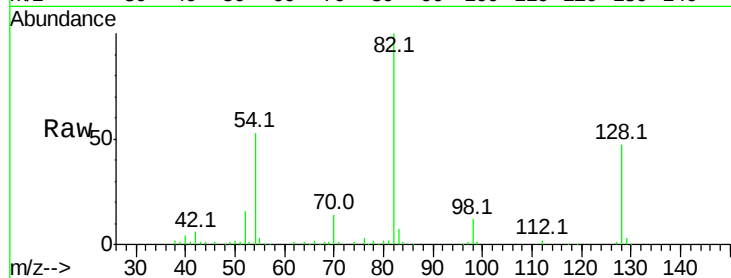
Tot Ion: 82 Resp: 173679

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

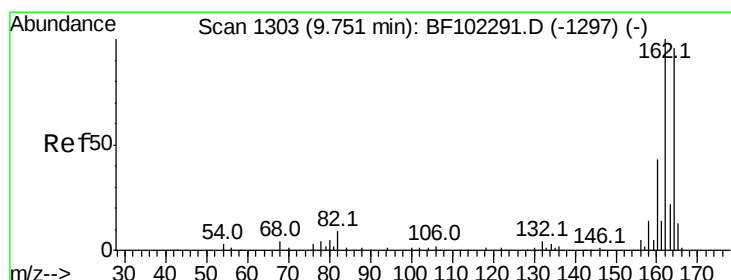
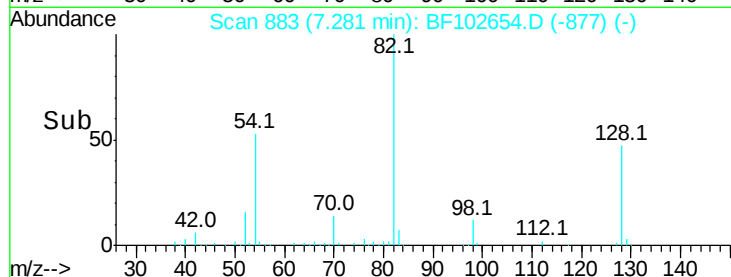
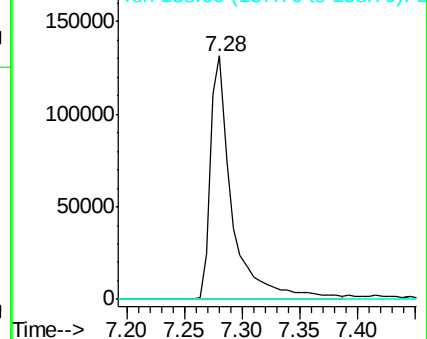
138 0.0 14.9 22.3#



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# 1302

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

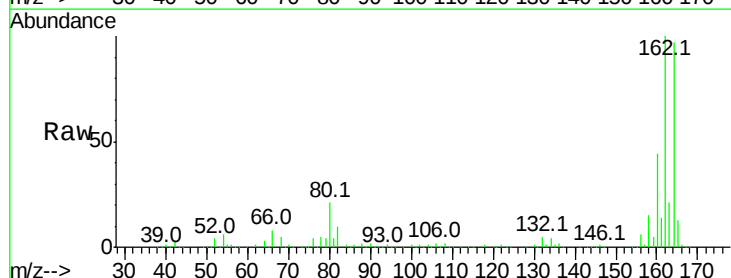
Tgt Ion:164 Resp: 271974

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

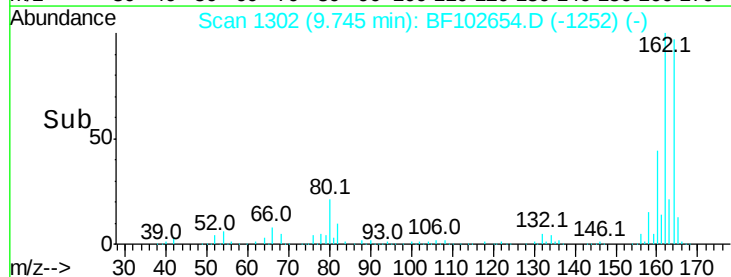
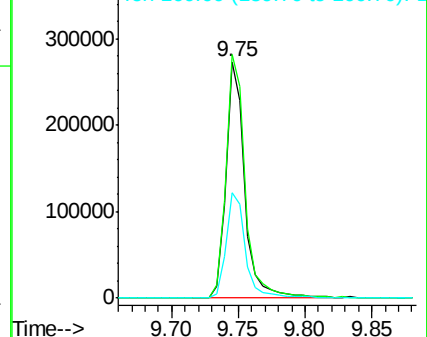
160 44.9 38.3 57.5

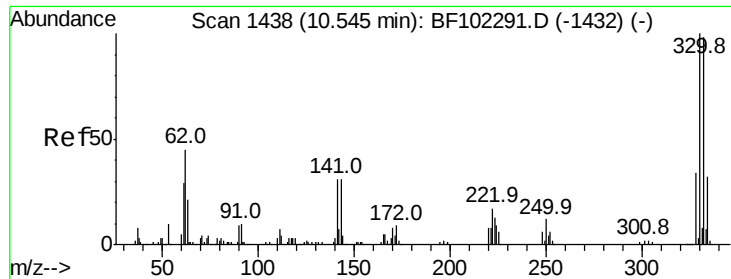


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 14.256 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampled :

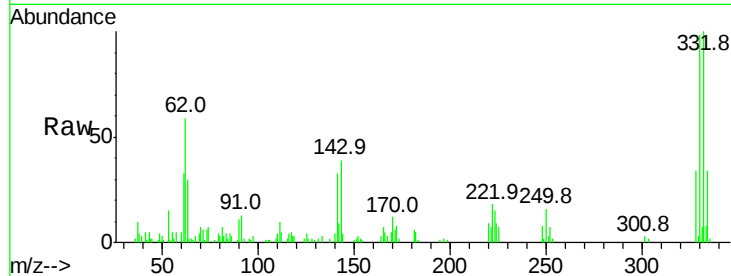
Tot Ion:330 Resp: 38419

Ion Ratio Lower Upper

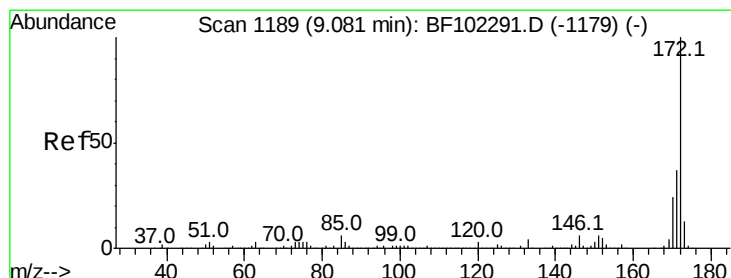
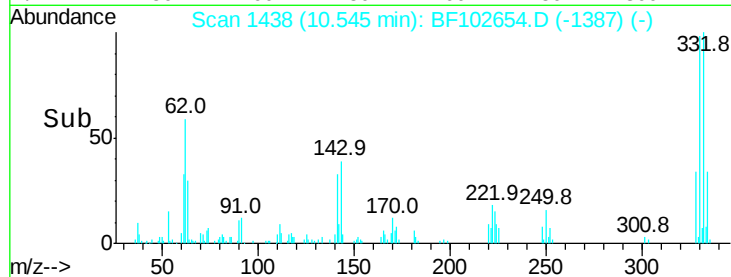
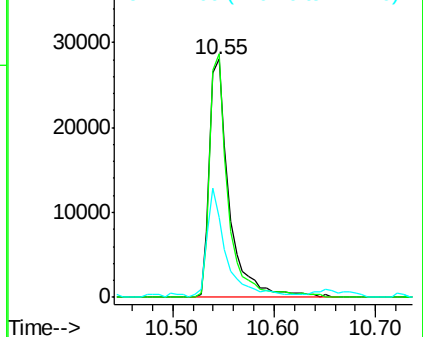
330 100

332 95.0 77.0 115.6

141 44.6 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: 17.835 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

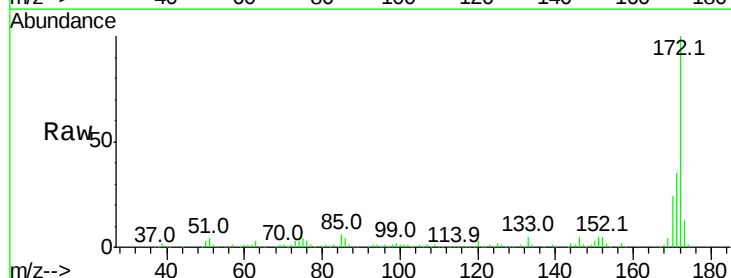
Tgt Ion:172 Resp: 329889

Ion Ratio Lower Upper

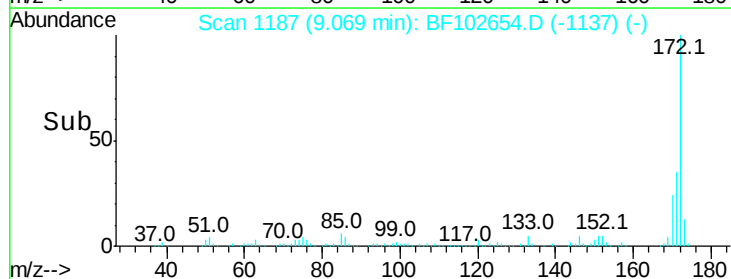
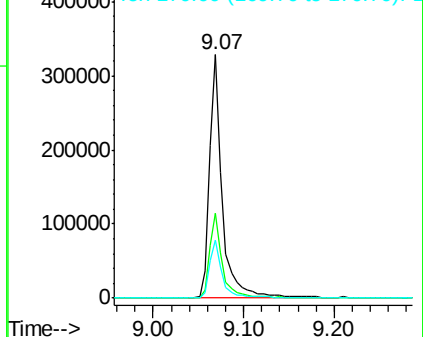
172 100

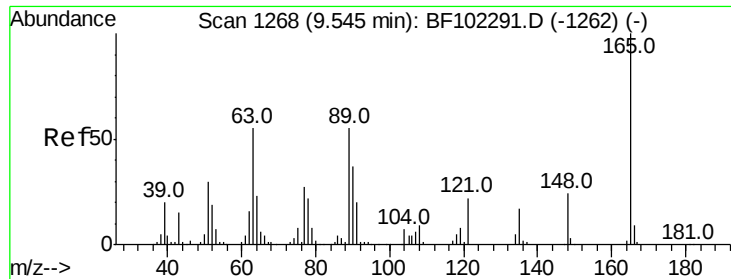
171 35.0 29.7 44.5

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





#50

2,6-Dinitrotoluene

Concen: 7.224 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.19 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampleId :

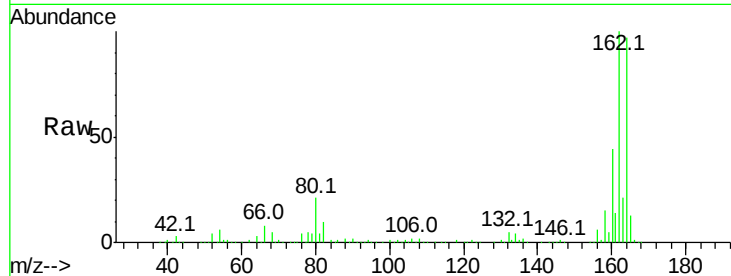
Tot Ion:165 Resp: 35011

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

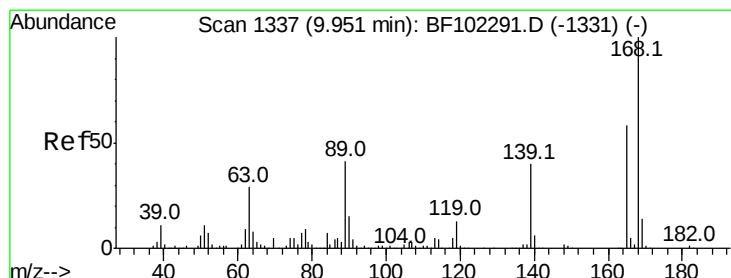
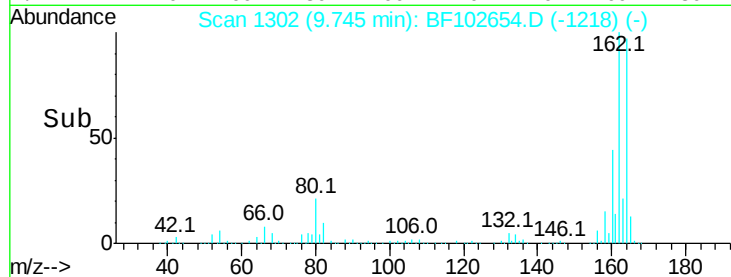
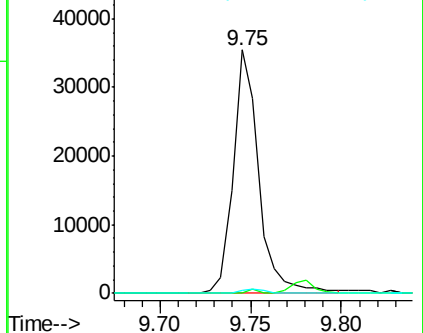
89 1.3 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 5.874 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Tgt Ion:165 Resp: 35011

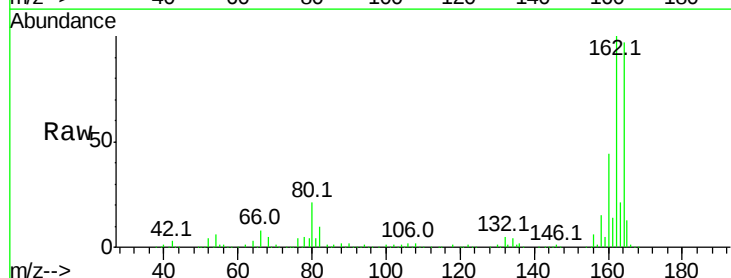
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

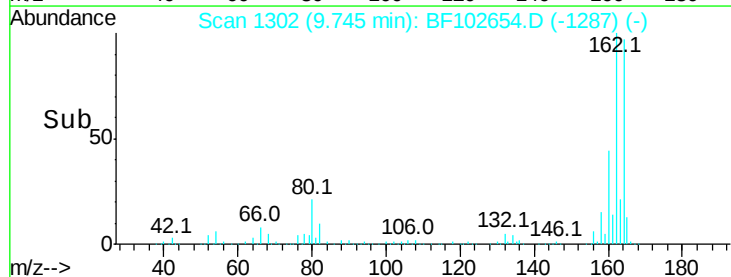
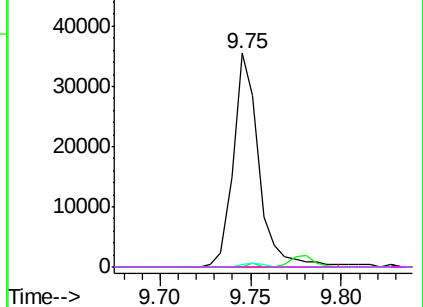


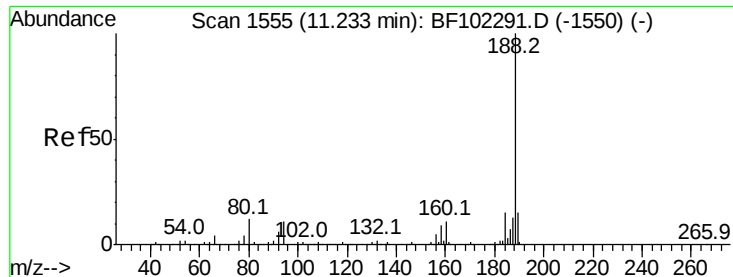
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

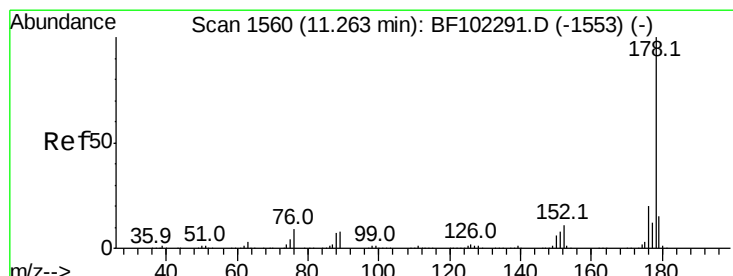
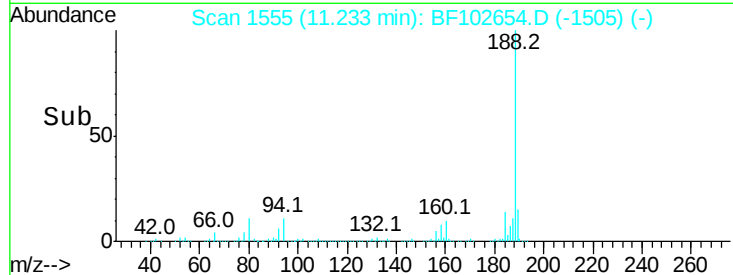
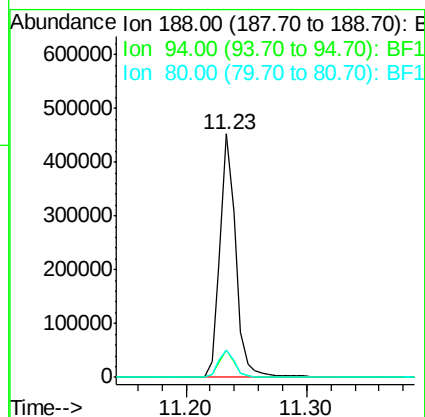
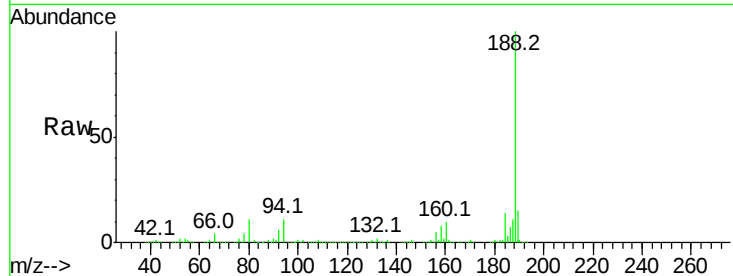




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

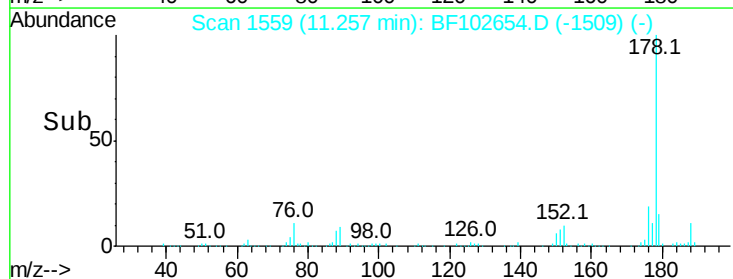
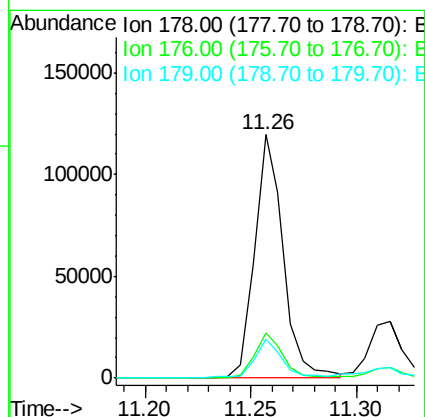
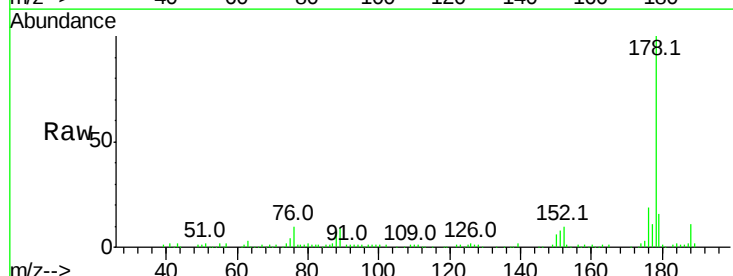
Instrument :
BNA_F
ClientSampleId :

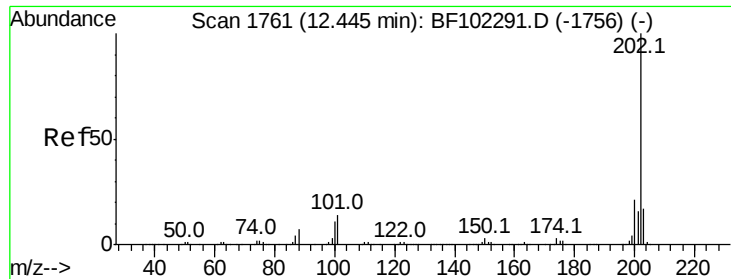
Tot Ion:188 Resp: 406957
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.3 9.2 13.8



#70
Phenanthrene
Concen: 4.749 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion:178 Resp: 112617
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.7 13.0 19.6





#74

Fluoranthene

Concen: 7.531 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampled :

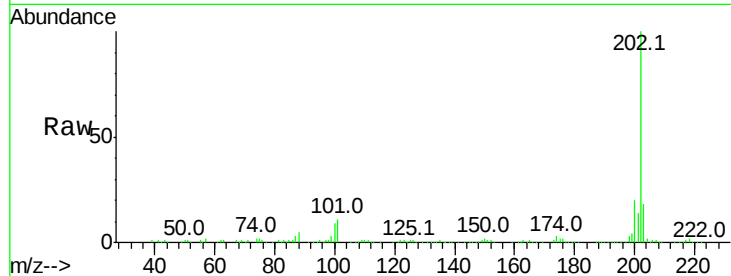
Tot Ion:202 Resp: 182119

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

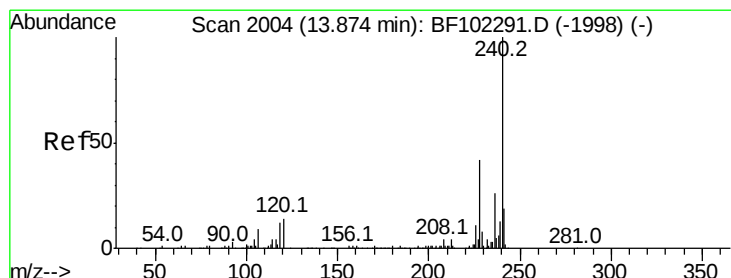
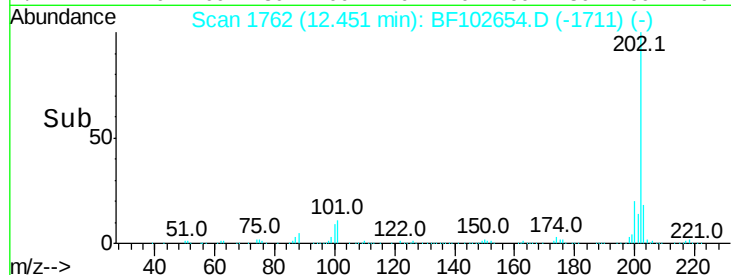
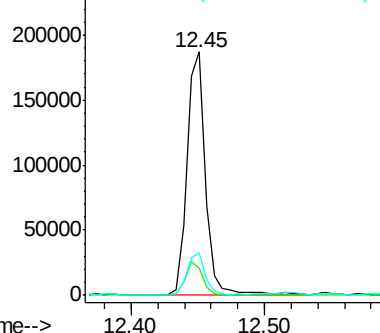
203 17.5 0.0 38.1



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: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

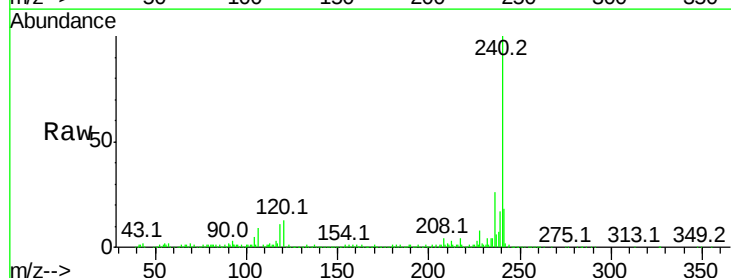
Tgt Ion:240 Resp: 300669

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

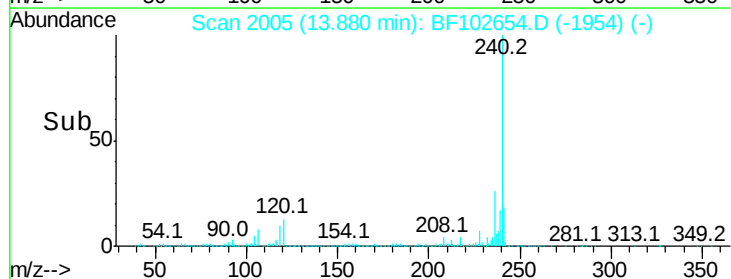
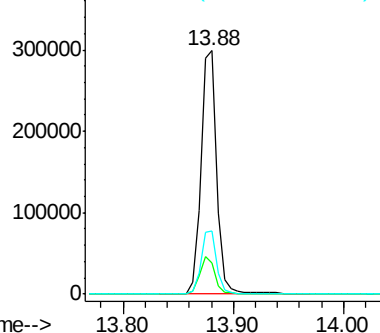
236 26.0 20.7 31.1

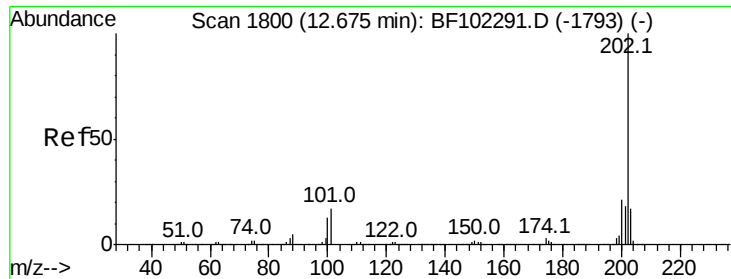


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

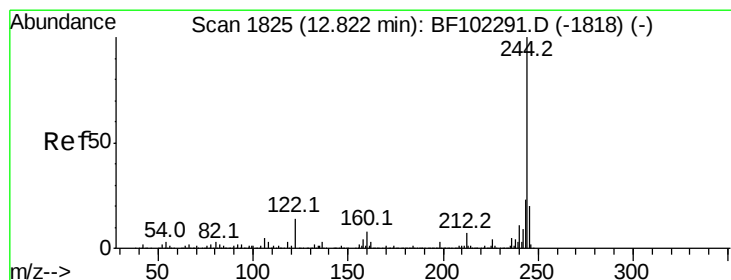
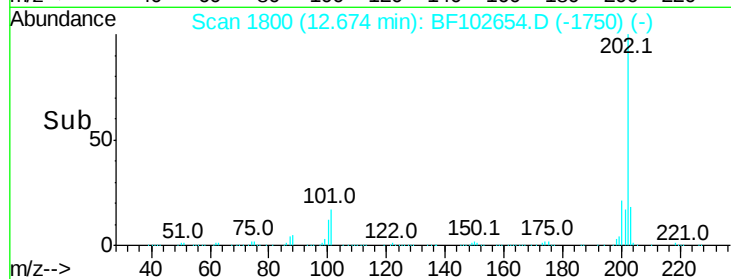
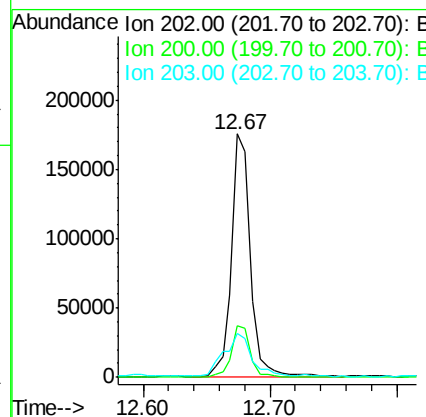
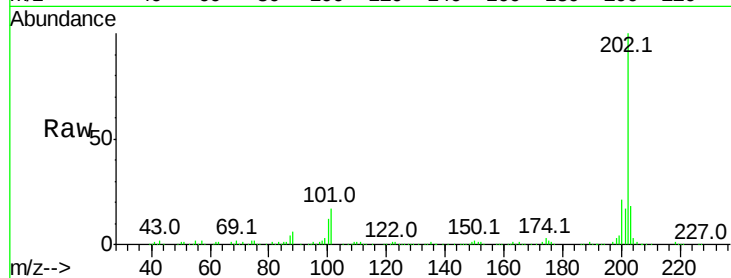




#77
Pvrene
Concen: 7.717 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

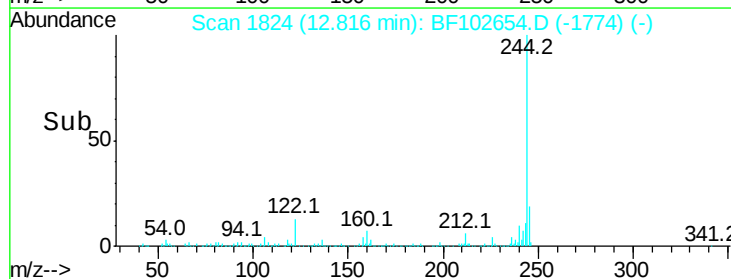
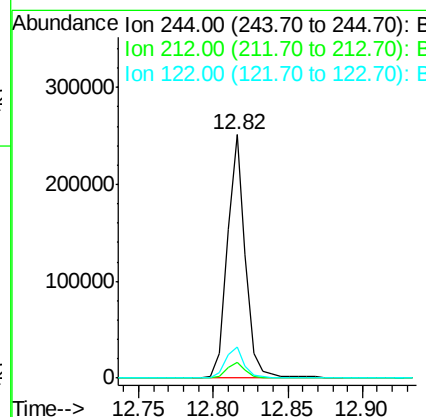
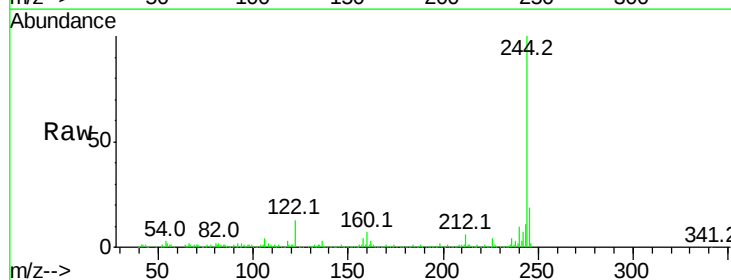
Instrument :
BNA_F
ClientSampleId :

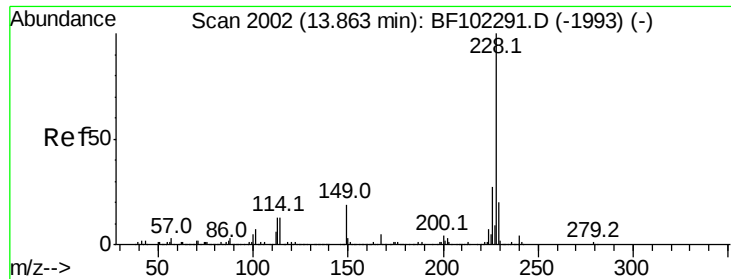
Tot Ion:202 Resp: 179391
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.1 14.3 21.5



#78
Terphenyl-d14
Concen: 16.077 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion:244 Resp: 214428
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 13.0 11.0 16.4

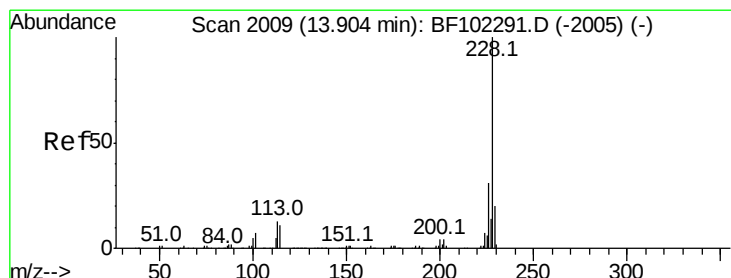
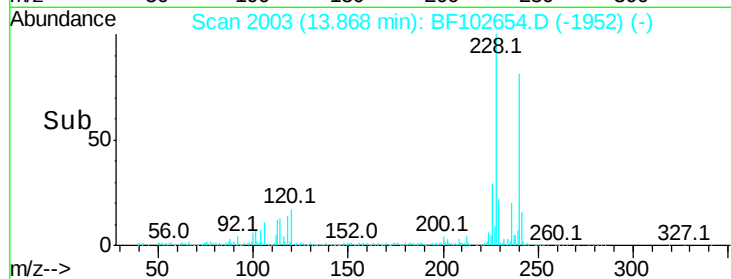
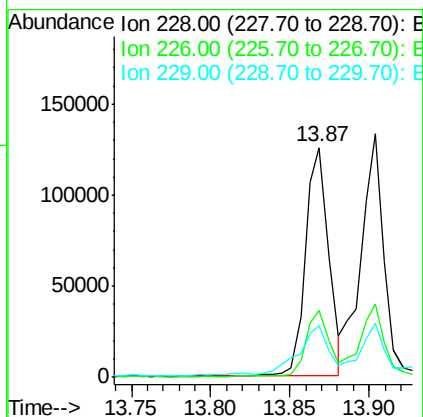
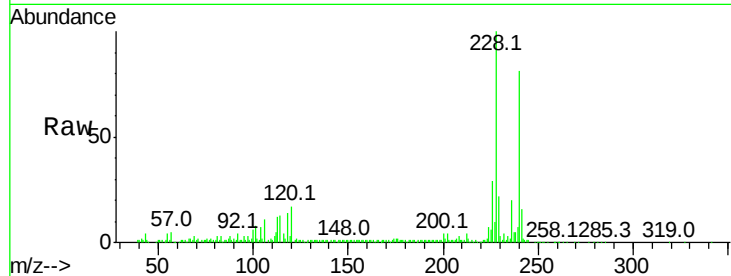




#80
Benzo(a)anthracene
Concen: 6.885 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

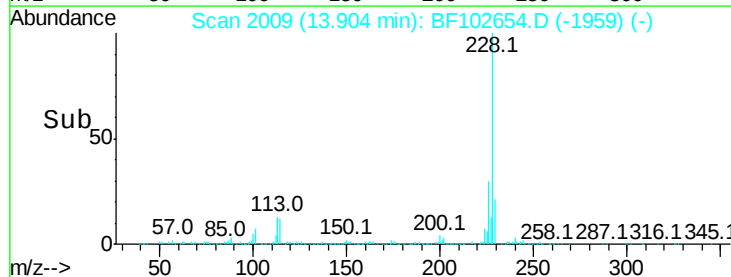
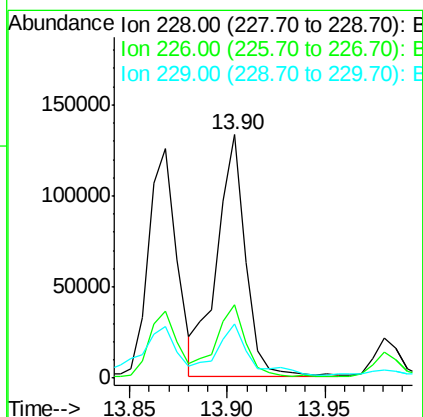
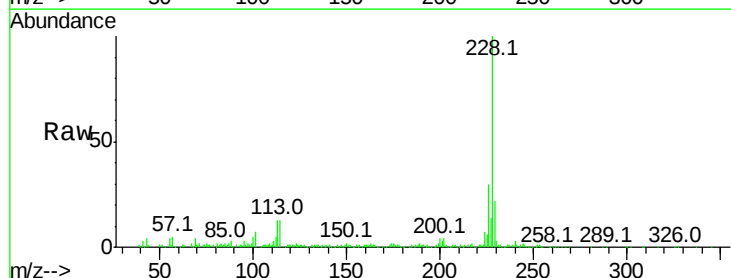
Instrument :
BNA_F
ClientSampleId :

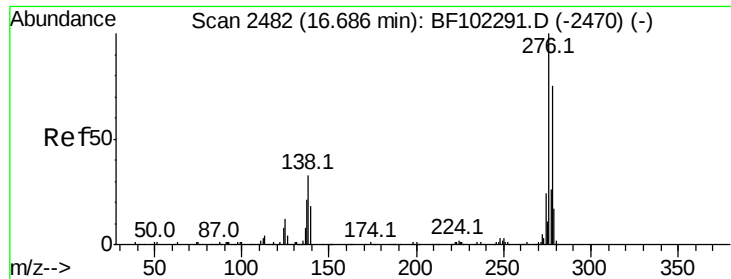
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	22.4	15.8	23.6



#82
Chrysene
Concen: 7.285 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.0	16.2	24.4

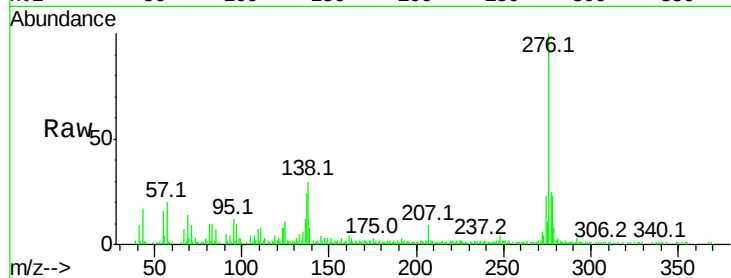




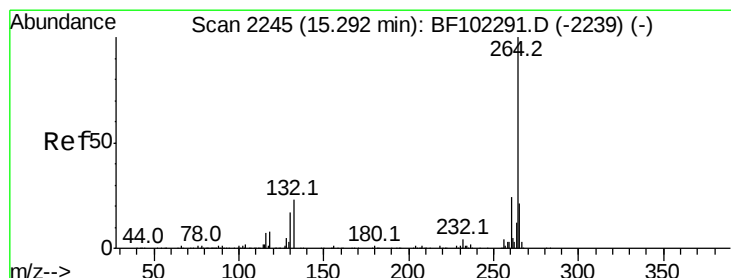
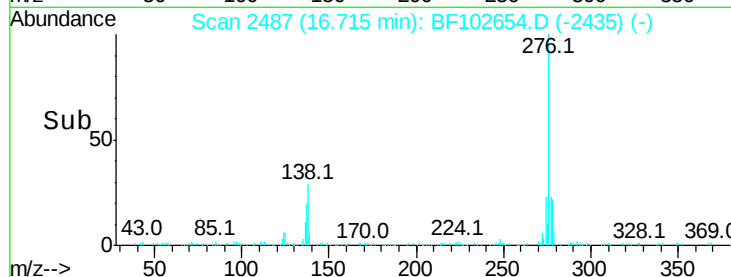
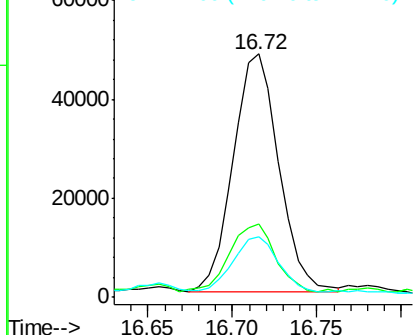
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.849 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 90804
Ion Ratio Lower Upper
276 100
138 28.9 25.0 37.6
277 22.6 20.1 30.1

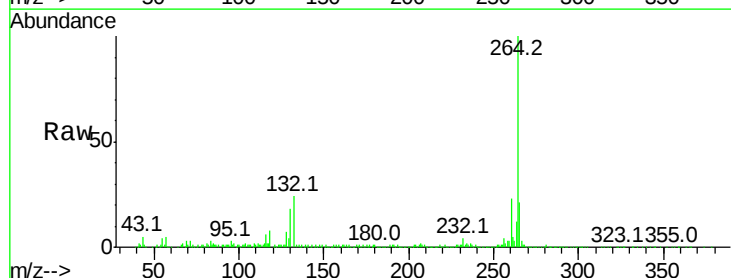


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

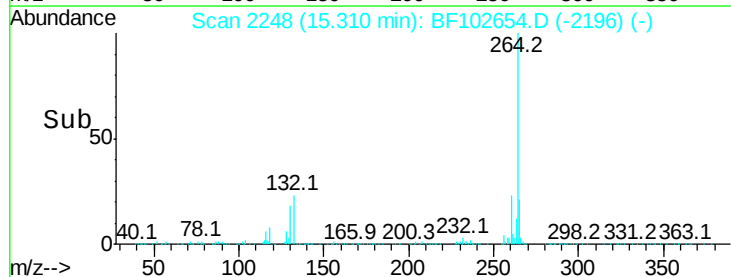
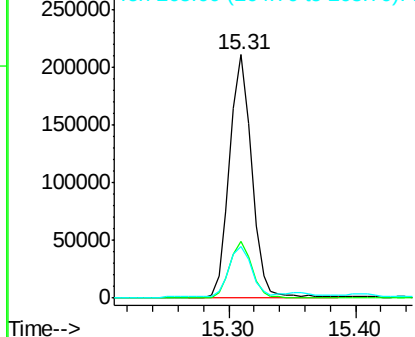


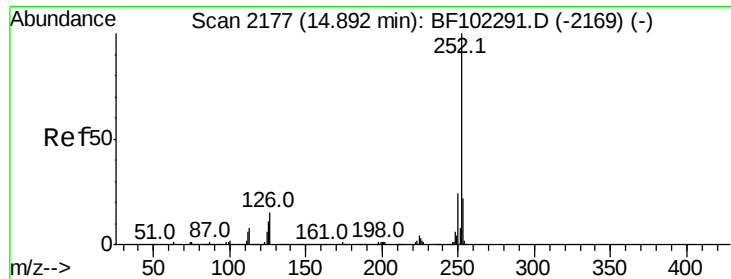
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion:264 Resp: 253678
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.2 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

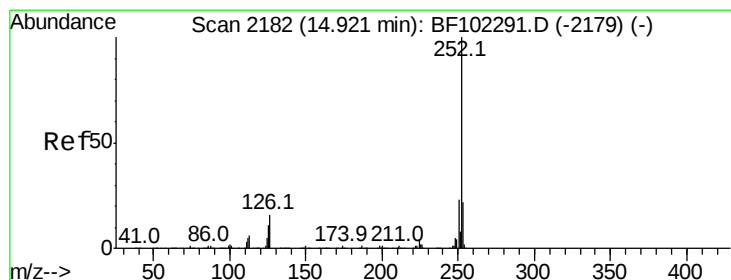
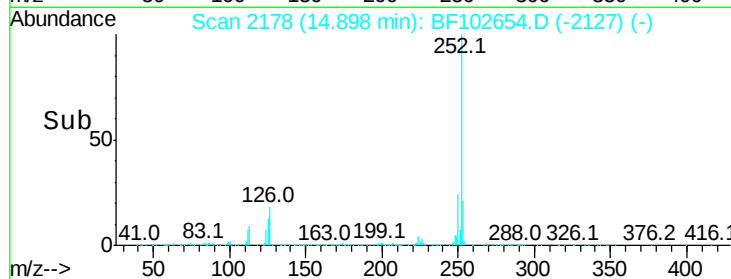
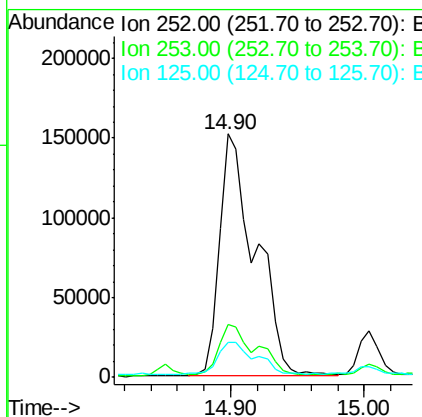
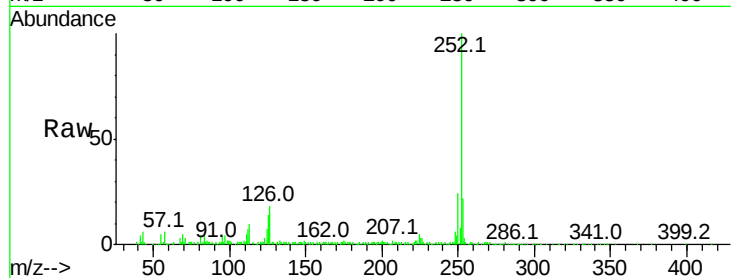




#87
Benzo(b)fluoranthene
Concen: 17.359 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

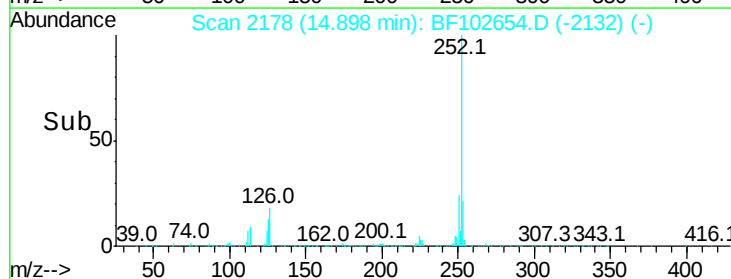
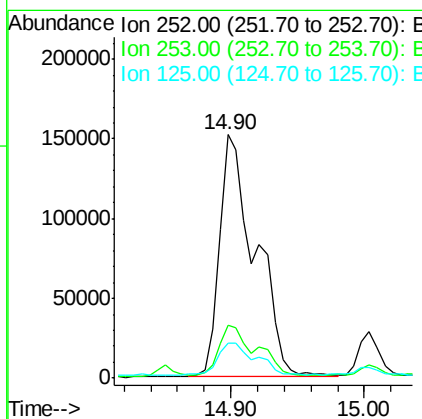
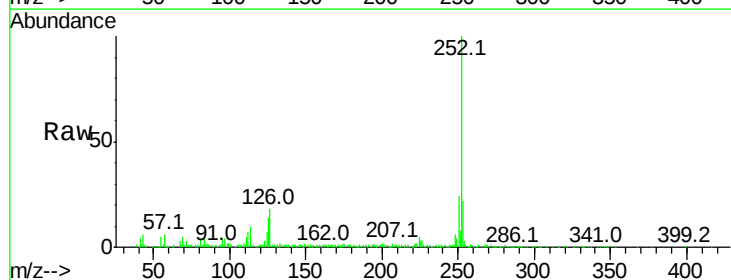
Instrument :
BNA_F
ClientSampleId :

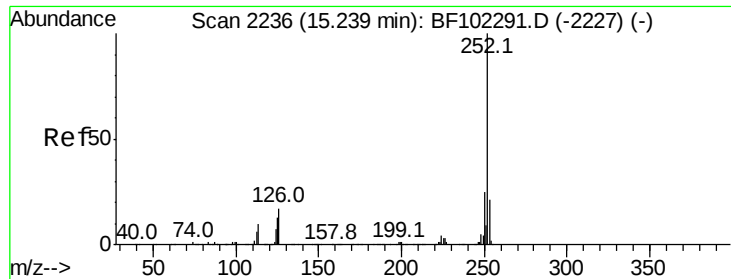
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.2	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 18.374 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102654.D
Acq: 30 Jan 2018 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	14.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.216 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampleId :

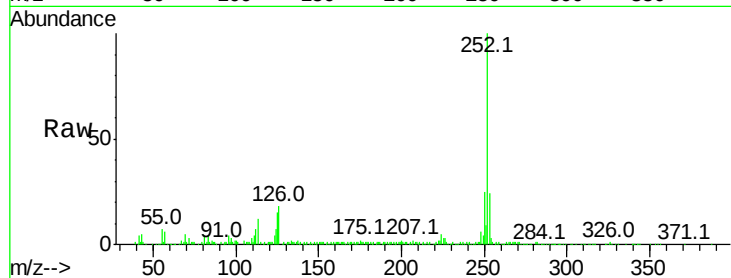
Tot Ion:252 Resp: 166324

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

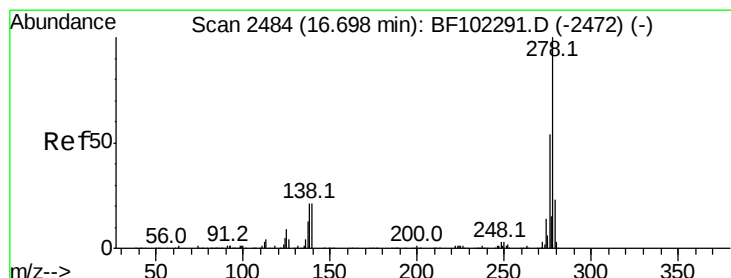
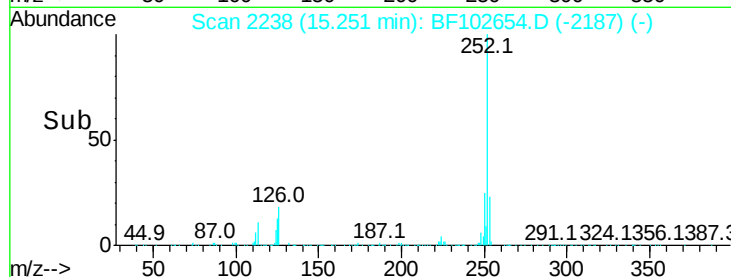
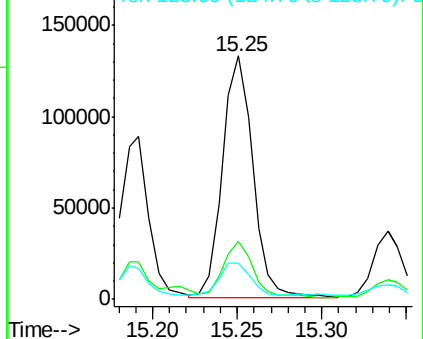
125 15.0 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.124 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

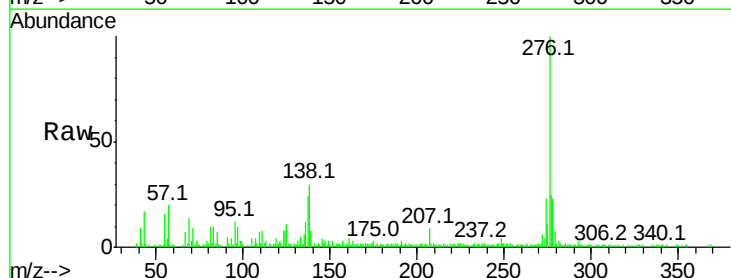
Tgt Ion:278 Resp: 25518

Ion Ratio Lower Upper

278 100

139 34.9 15.9 23.9#

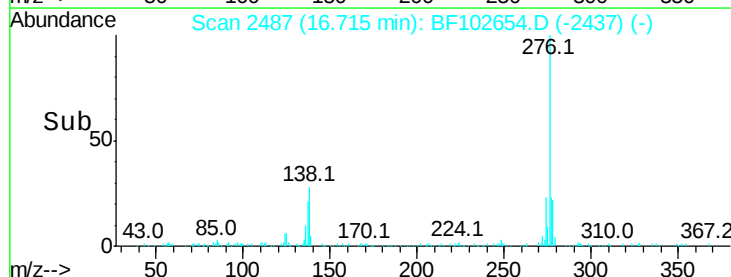
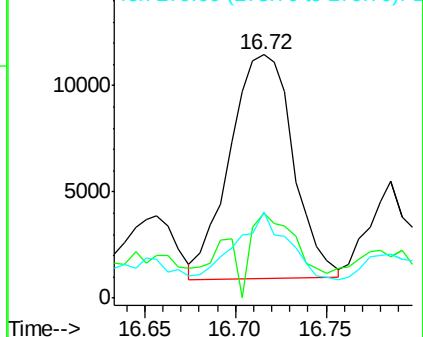
279 35.4 19.0 28.4#

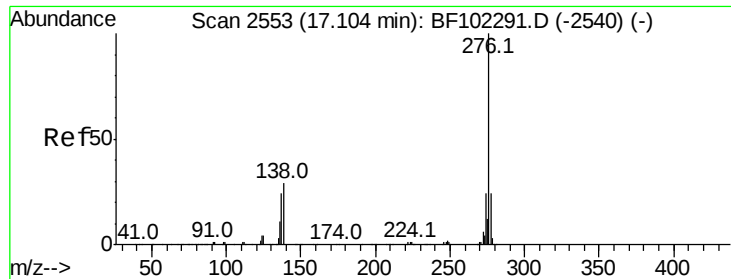


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.678 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102654.D

Acq: 30 Jan 2018 21:57

Instrument :

BNA_F

ClientSampleId :

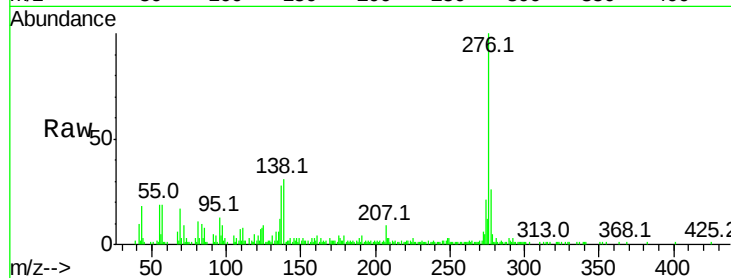
Tot Ion:276 Resp: 91064

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 31.0 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

