

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102484.D
 Acq On : 26 Jan 2018 22:16
 Operator : SJ/JU
 Sample : J1253-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 23:06:48 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

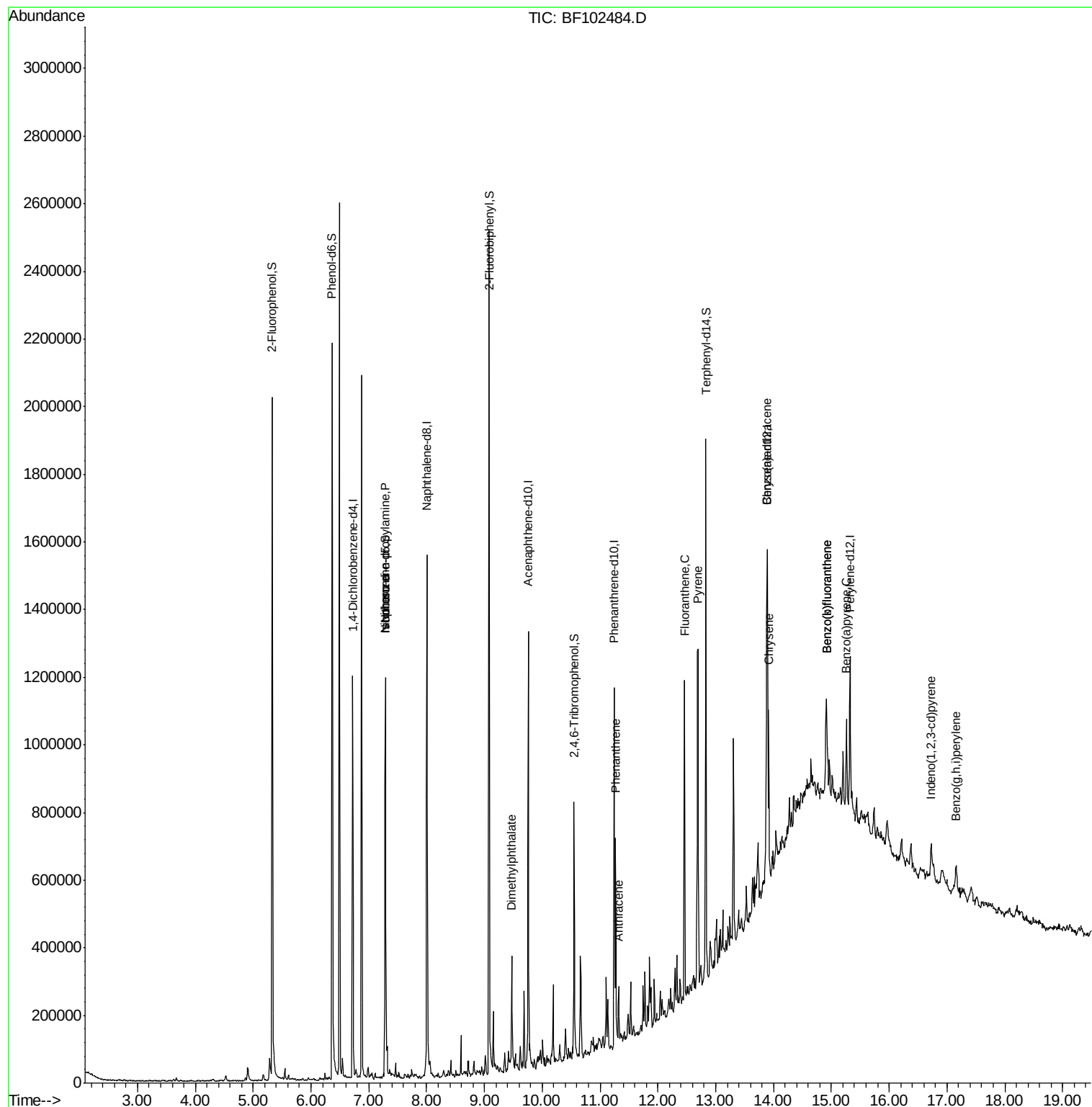
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	167619	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	680361	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	259805	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	368864	20.00	ng	0.00
75) Chrysene-d12	13.89	240	284458	20.00	ng	0.01
86) Perylene-d12	15.32	264	188312	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	643647	58.22	ng	0.00
7) Phenol-d6	6.37	99	772500	57.96	ng	0.00
23) Nitrobenzene-d5	7.29	82	377649	31.90	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	89926	34.93	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	799790	45.26	ng	0.00
78) Terphenyl-d14	12.83	244	528510	41.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	48883	5.993	ng	Qvalue # 79
25) Isophorone	7.29	82	377646	17.893	ng	# 64
49) Dimethylphthalate	9.47	163	106085	4.940	ng	100
70) Phenanthrene	11.27	178	207255	9.642	ng	99
71) Anthracene	11.32	178	66236	3.019	ng	98
74) Fluoranthene	12.46	202	396754	18.101	ng	96
77) Pyrene	12.69	202	421711	19.175	ng	99
80) Benzo(a)anthracene	13.88	228	212841	12.153	ng	99
82) Chrysene	13.92	228	209665	11.789	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	59131	4.026	ng	98
87) Benzo(b)fluoranthene	14.91	252	221463	18.145	ng	# 91
88) Benzo(k)fluoranthene	14.91	252	221463	19.205	ng	# 93
89) Benzo(a)pyrene	15.26	252	113387	10.300	ng	# 89
91) Benzo(a,h,i)perylene	17.16	276	58200	6.610	ng	# 87

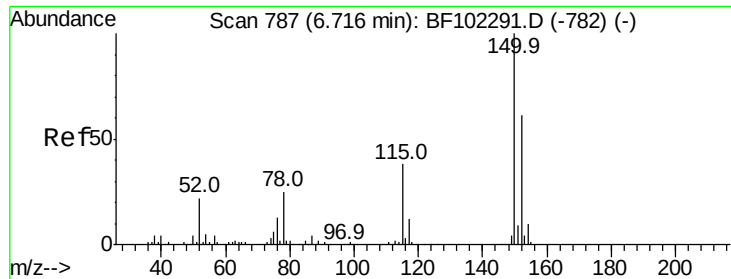
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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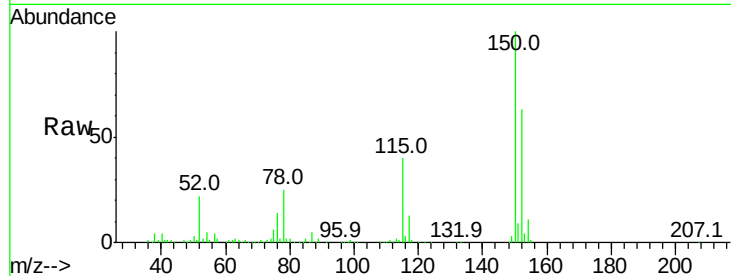


#1

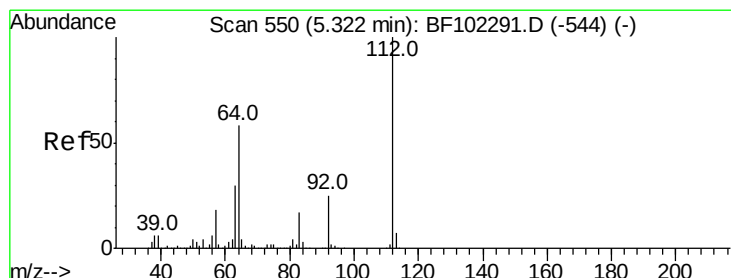
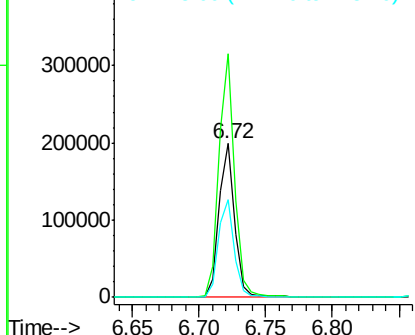
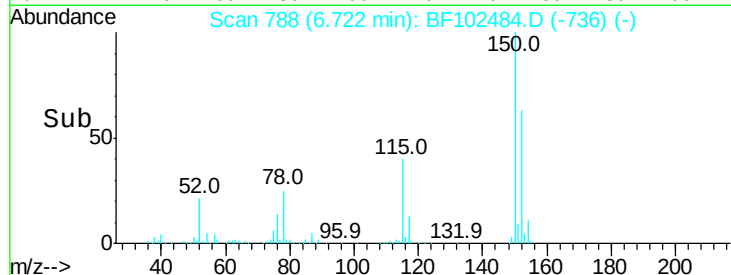
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.01 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167619
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 63.2 50.1 75.1



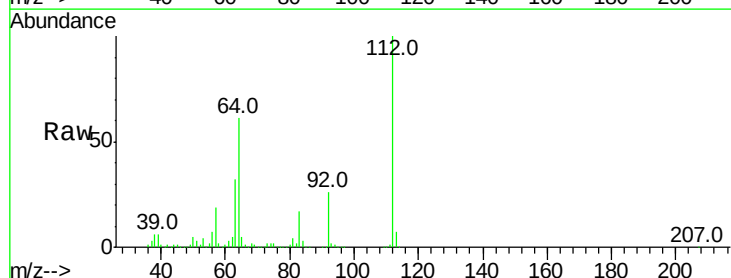
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



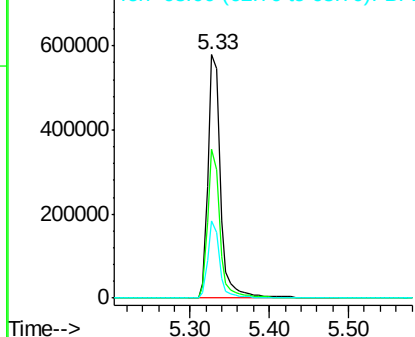
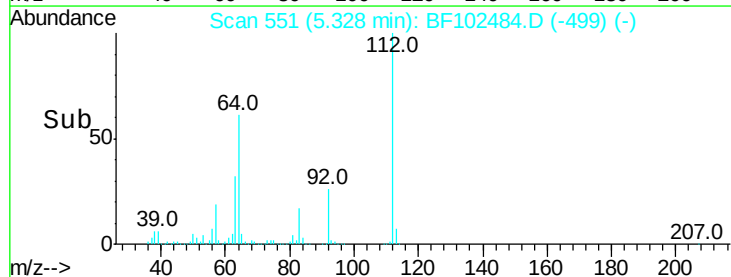
#5

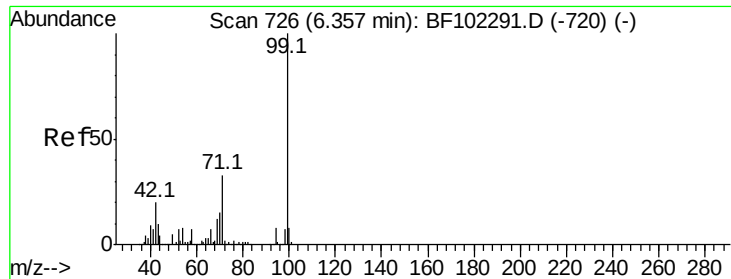
2-Fluorophenol
Concen: 58.223 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Tgt Ion:112 Resp: 643647
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 31.6 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: 57.963 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

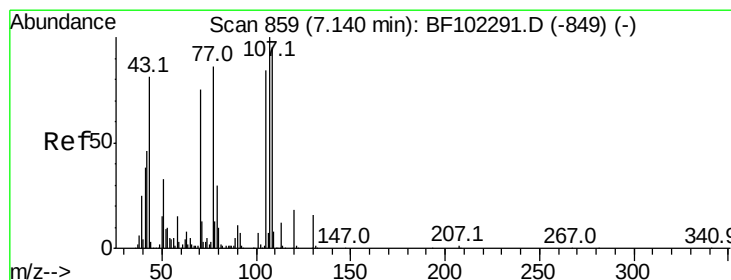
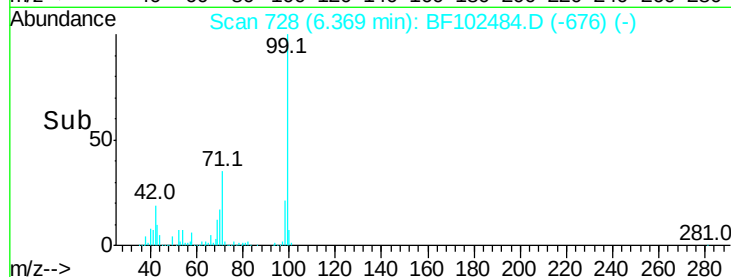
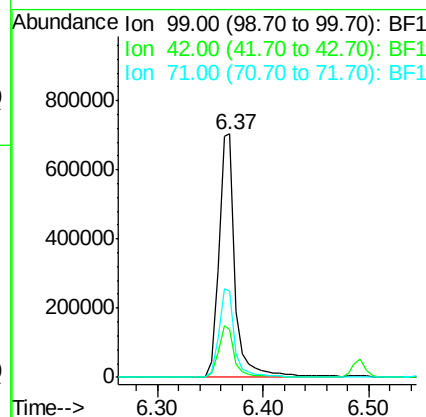
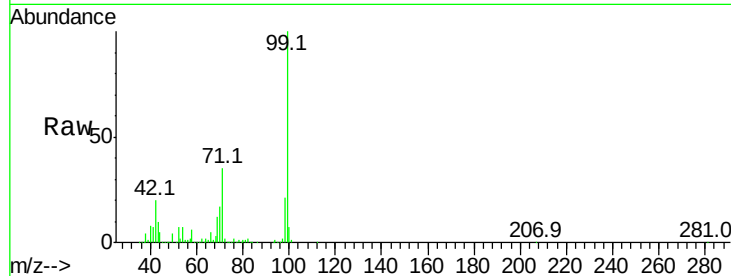
Tot Ion: 99 Resp: 772500

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 35.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.993 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Tgt Ion: 70 Resp: 48883

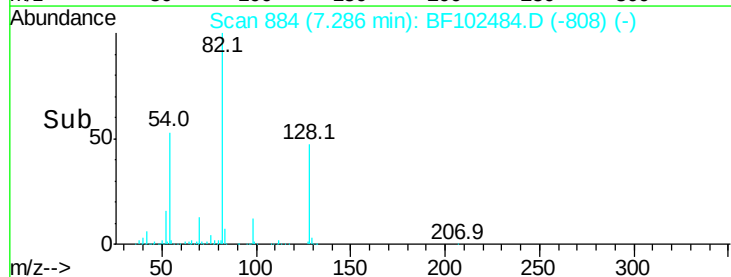
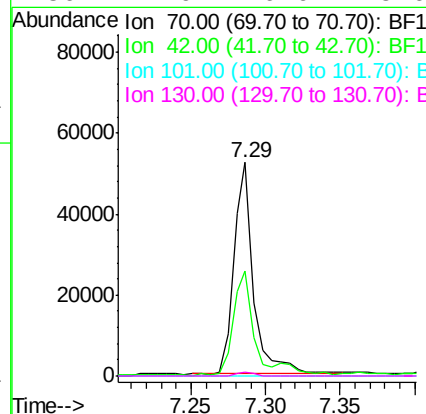
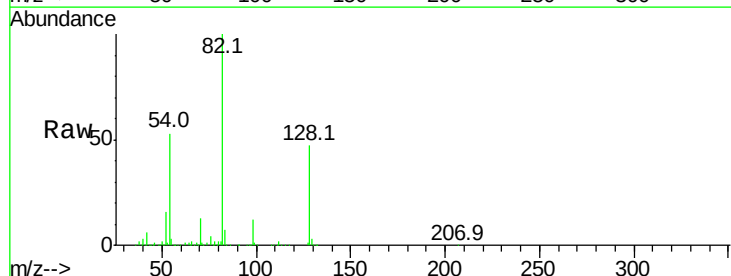
Ion Ratio Lower Upper

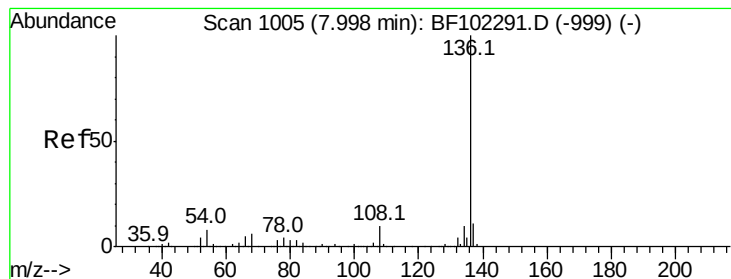
70 100

42 49.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 680361

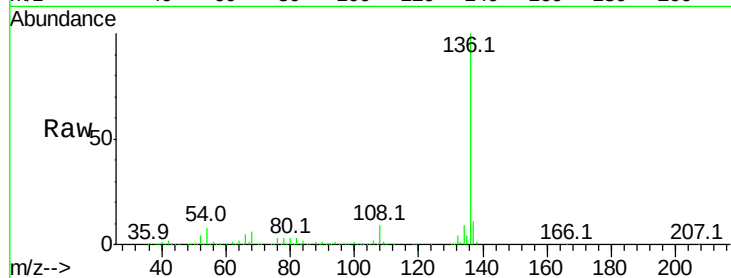
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.0 6.6 9.8

68 5.9 5.0 7.4

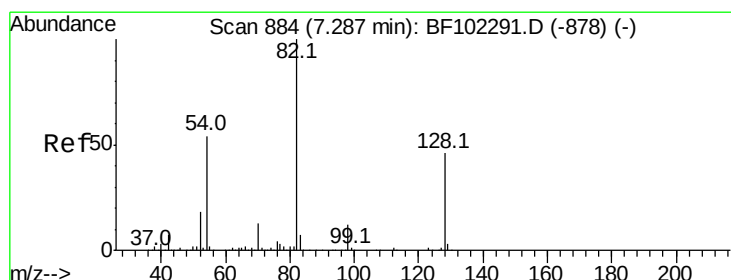
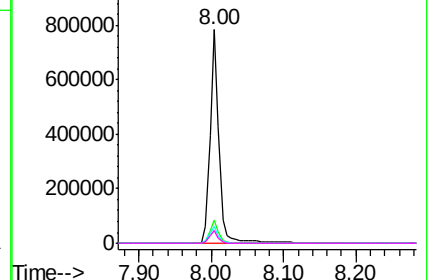
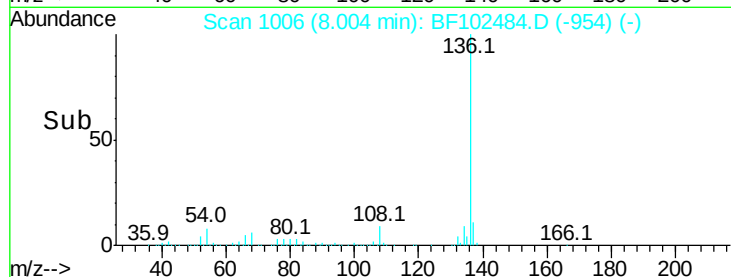


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.898 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

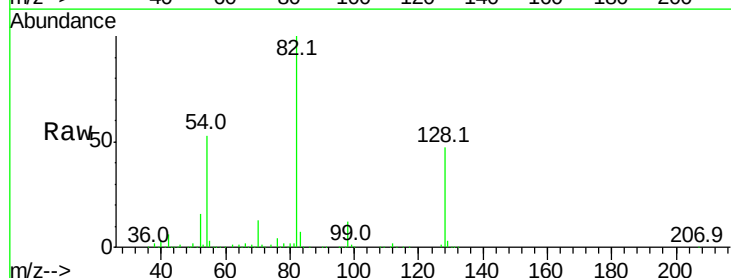
Tgt Ion: 82 Resp: 377649

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

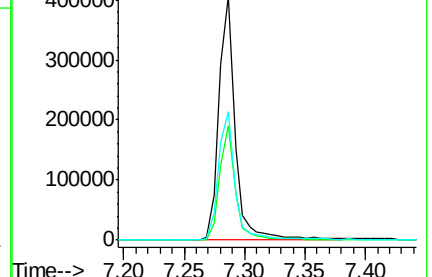
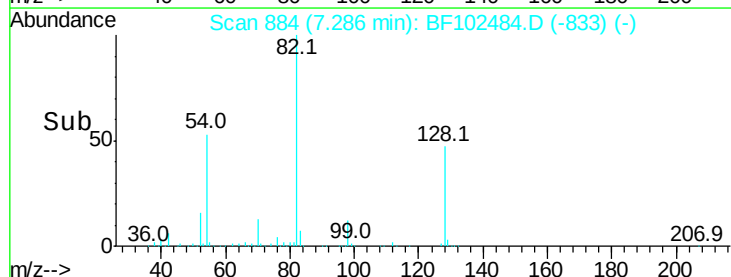
54 52.8 41.4 62.2

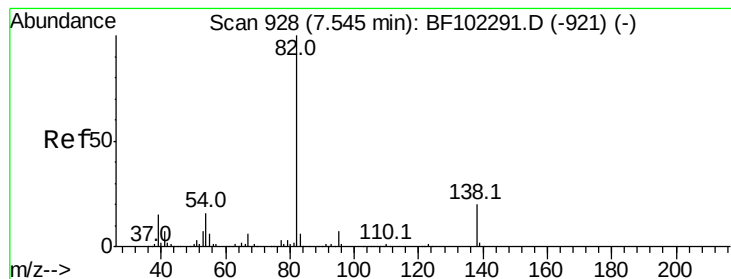


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.893 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampled :

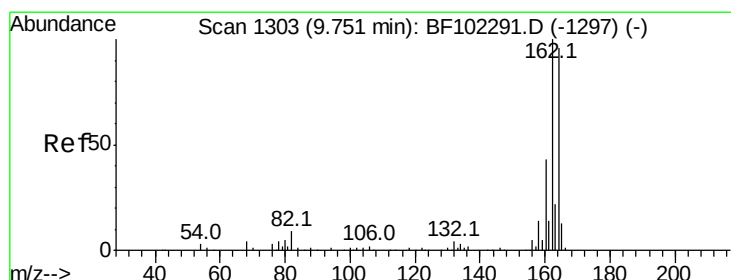
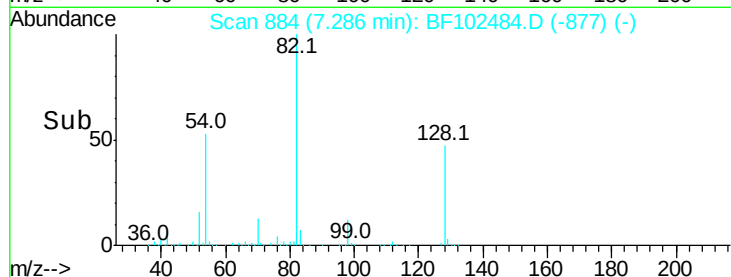
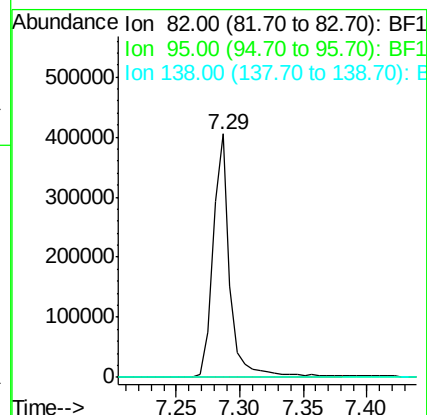
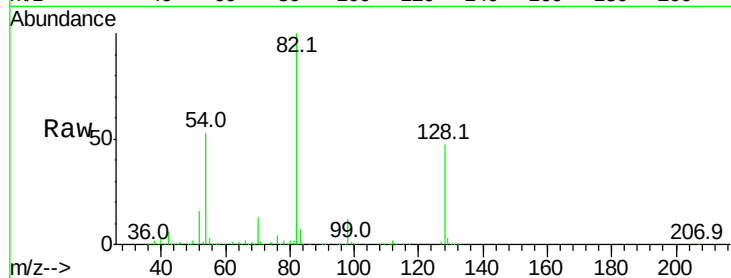
Tot Ion: 82 Resp: 377646

Ion Ratio Lower Upper

82 100

95 0.1 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: BF102484.D

Acq: 26 Jan 2018 22:16

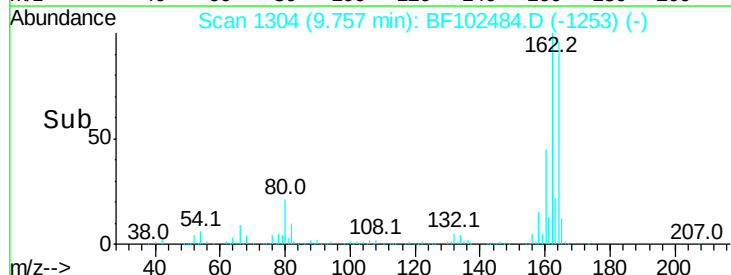
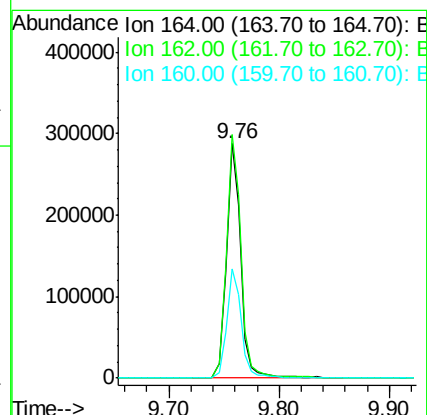
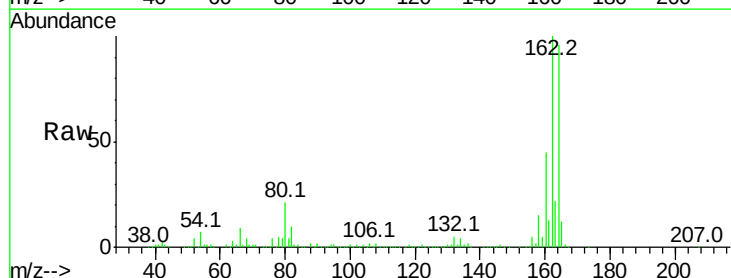
Tgt Ion:164 Resp: 259805

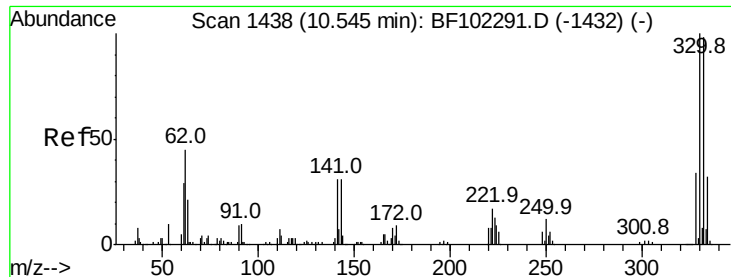
Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

160 46.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 34.932 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampled :

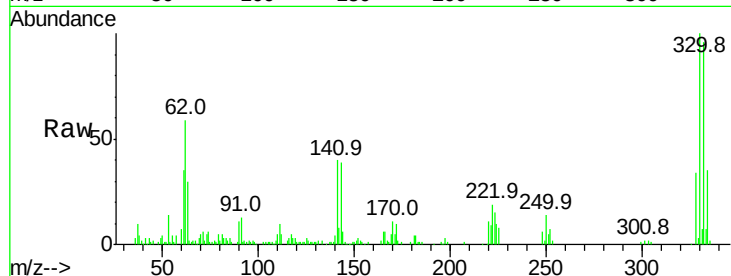
Tot Ion:330 Resp: 89926

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

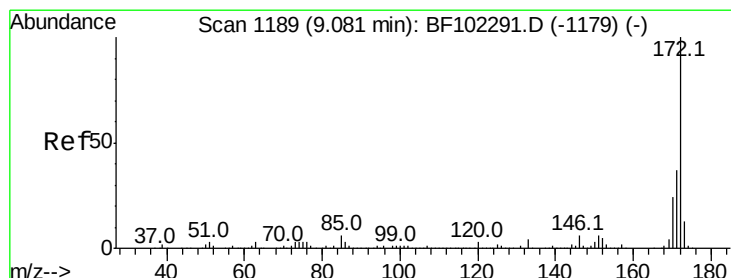
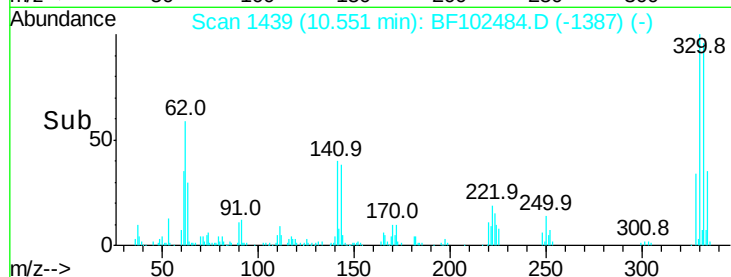
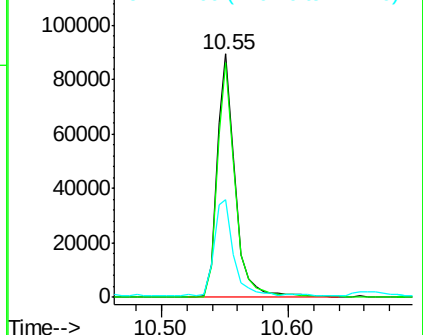
141 43.9 29.9 44.9



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: 45.264 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

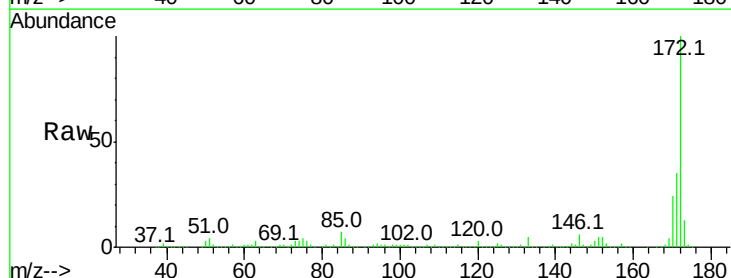
Tgt Ion:172 Resp: 799790

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

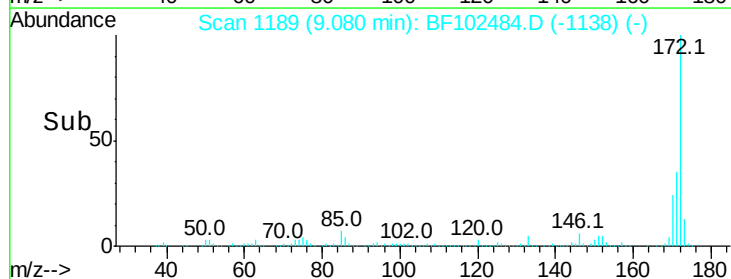
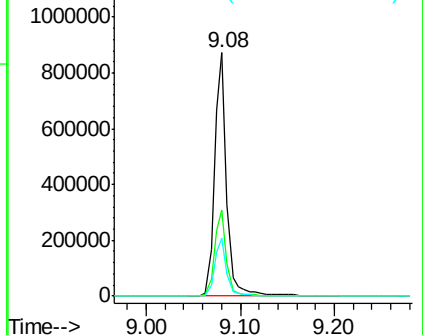
170 23.9 19.6 29.4

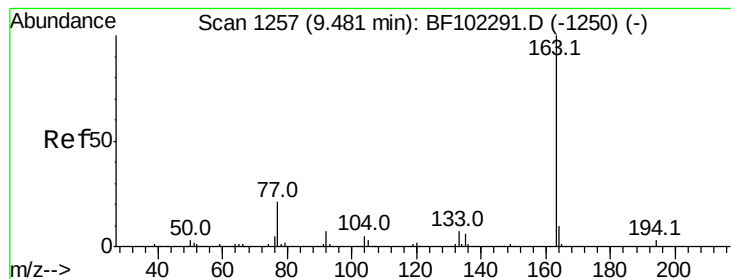


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.940 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

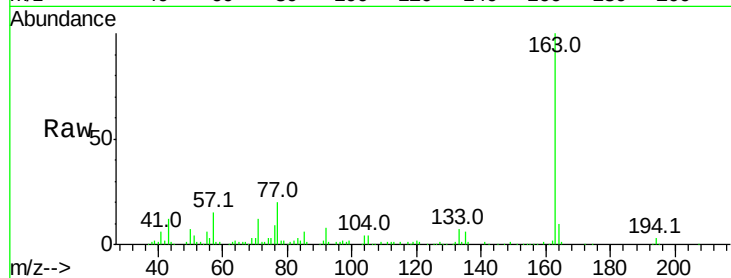
Tot Ion:163 Resp: 106085

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

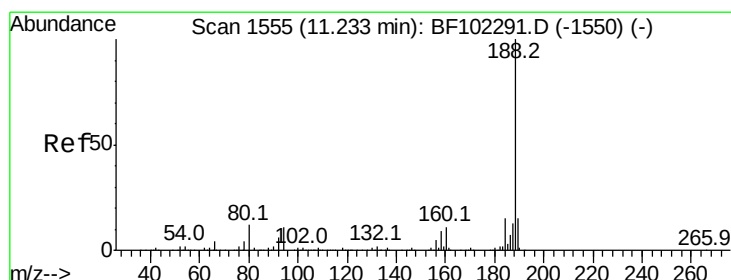
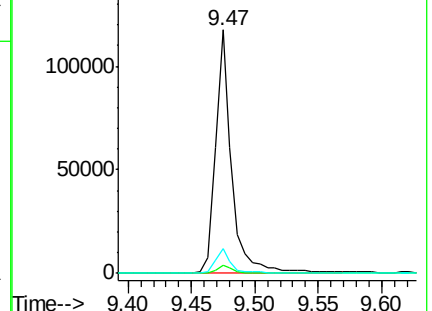
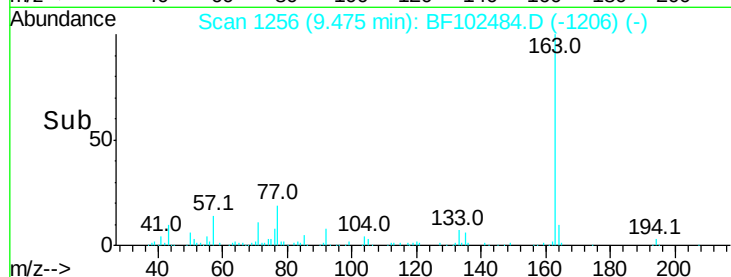
164 10.2 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

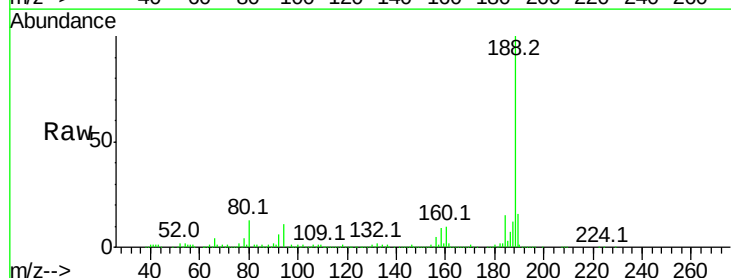
Tgt Ion:188 Resp: 368864

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

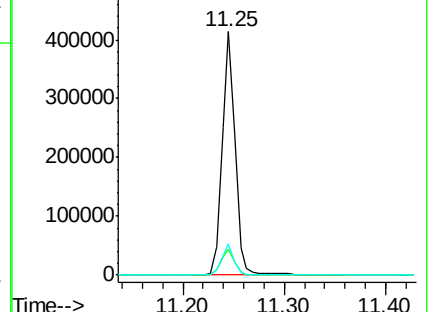
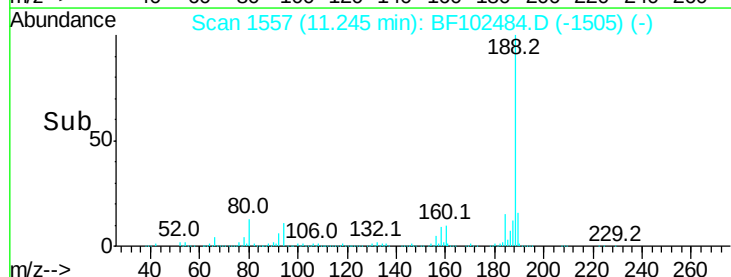
80 12.7 9.2 13.8

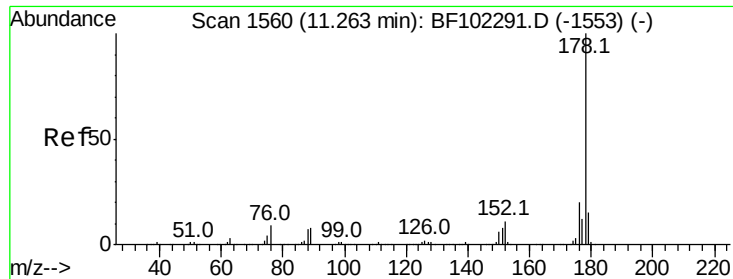


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

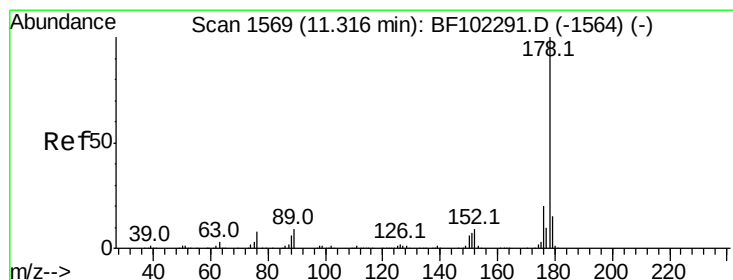
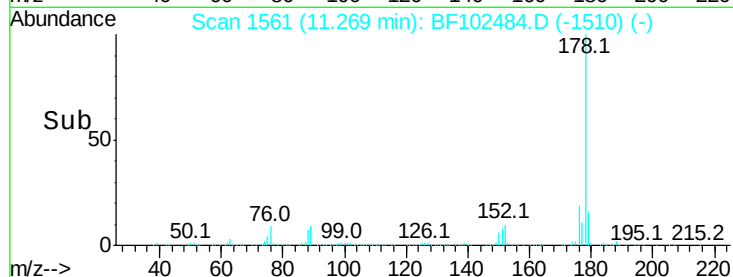
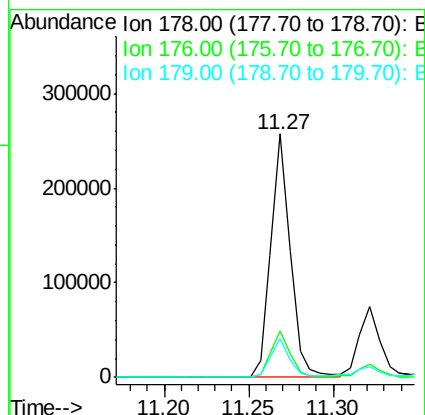
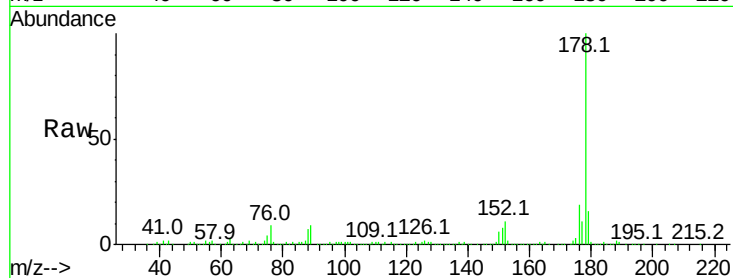




#70
Phenanthrene
Concen: 9.642 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

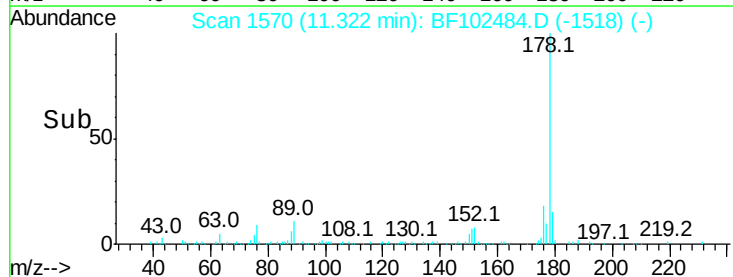
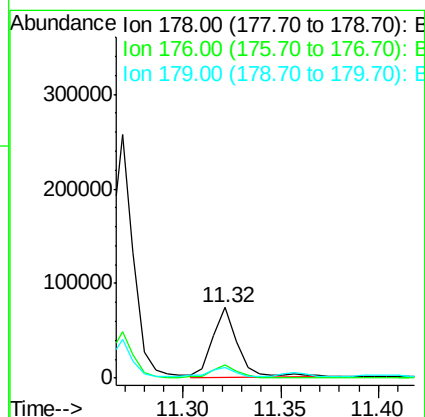
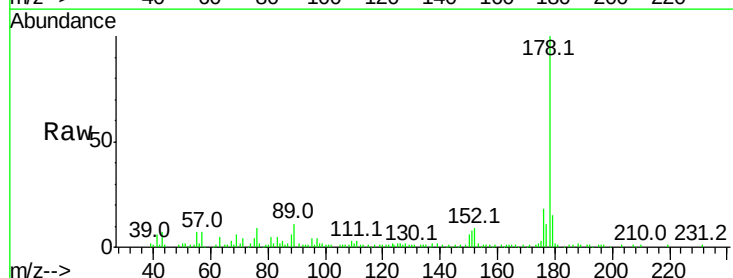
Instrument :
BNA_F
ClientSampleId :

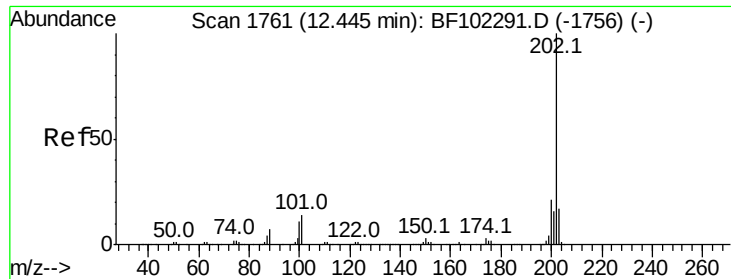
Tot Ion:178 Resp: 207255
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.0 13.0 19.6



#71
Anthracene
Concen: 3.019 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Tgt Ion:178 Resp: 66236
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 15.2 12.6 19.0





#74

Fluoranthene

Concen: 18.101 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

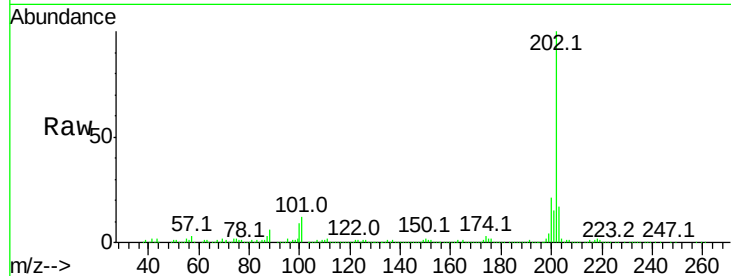
Tot Ion:202 Resp: 396754

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

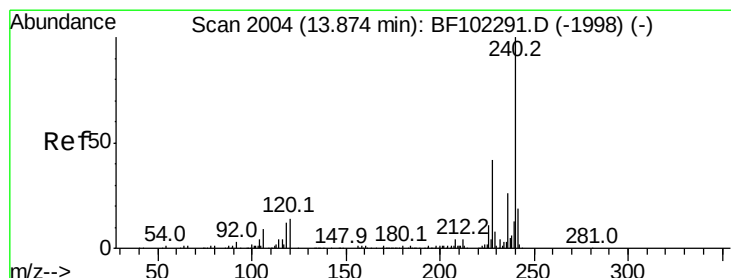
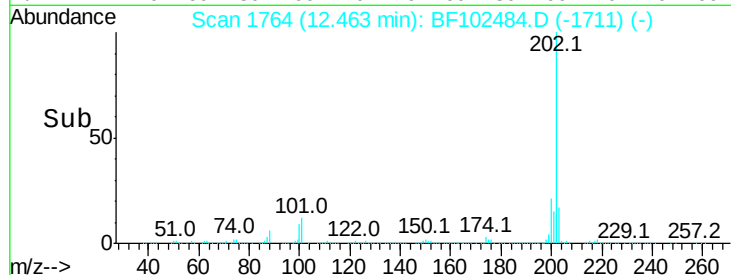
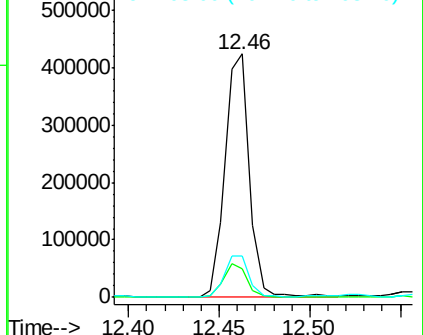
203 16.8 0.0 38.1



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: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

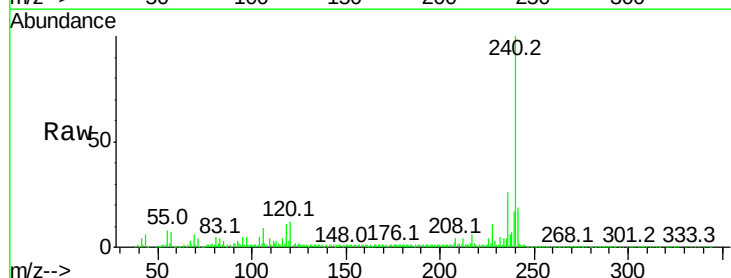
Tgt Ion:240 Resp: 284458

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

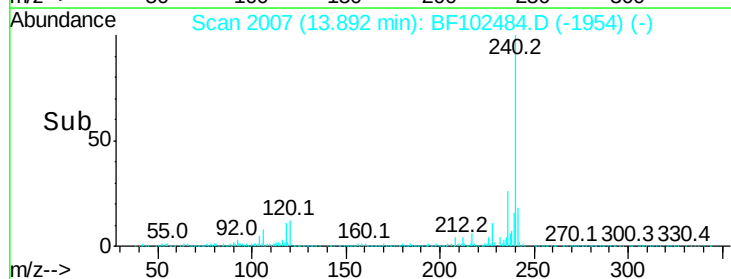
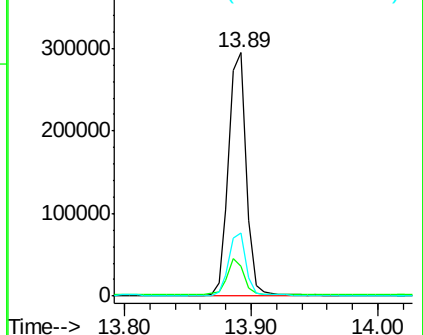
236 25.8 20.7 31.1

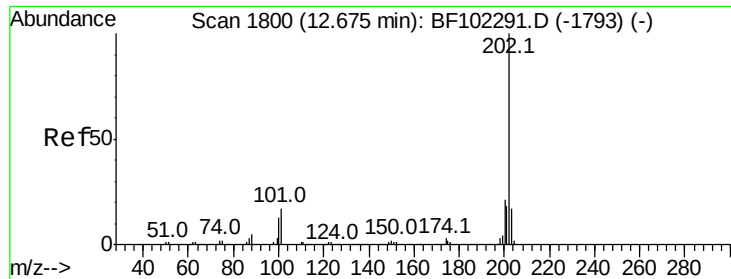


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.175 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

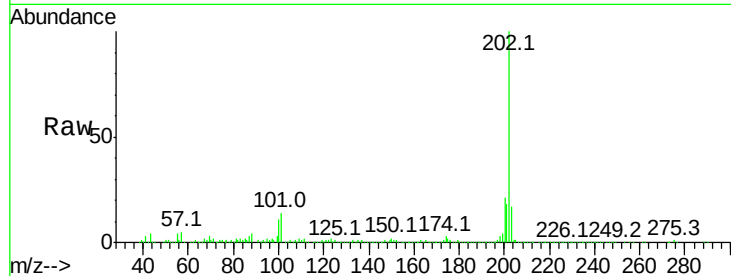
Tot Ion:202 Resp: 421711

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

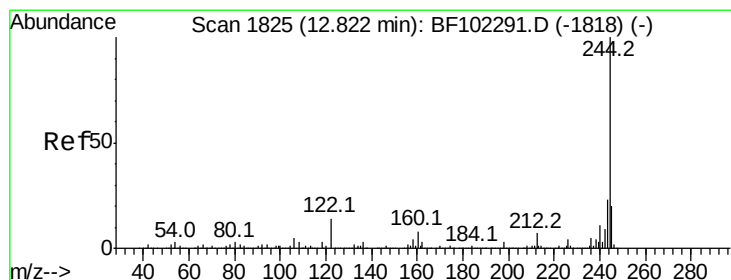
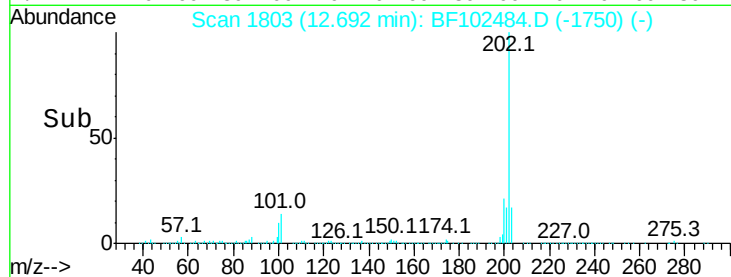
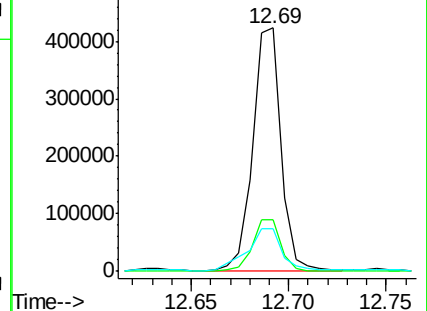
203 17.3 14.3 21.5



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: 41.885 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

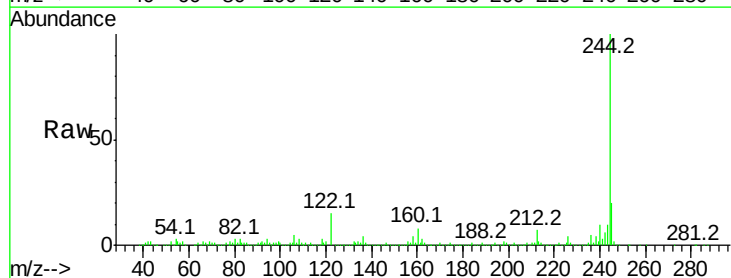
Tgt Ion:244 Resp: 528510

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

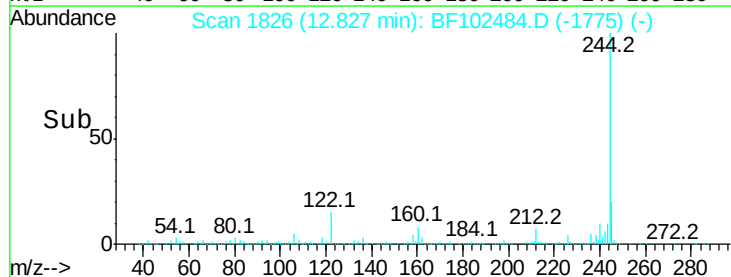
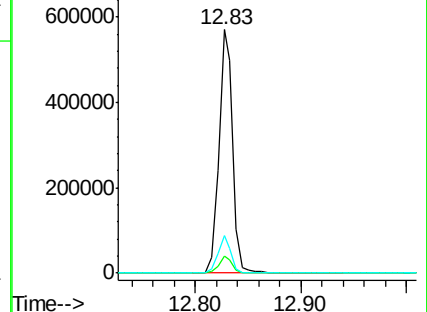
122 15.4 11.0 16.4

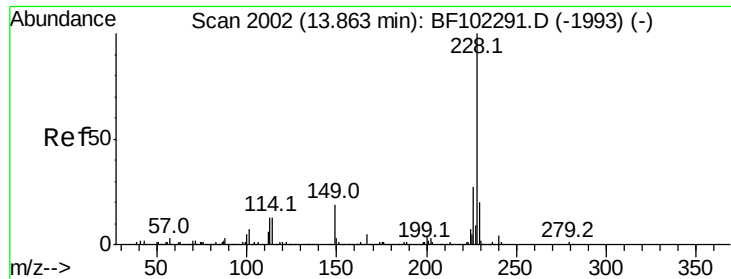


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

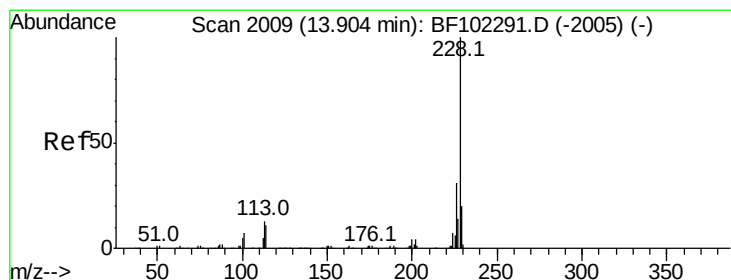
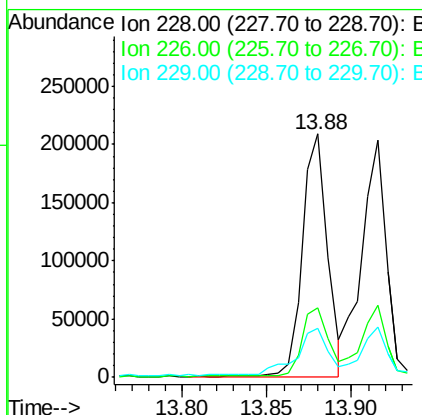
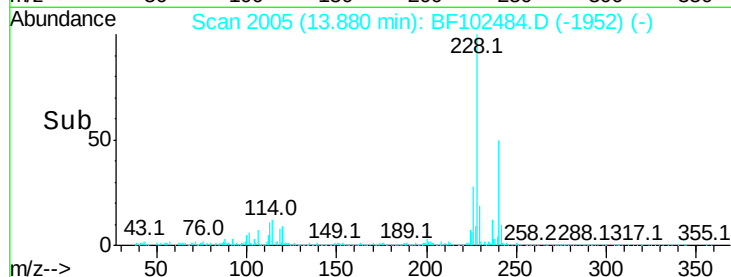
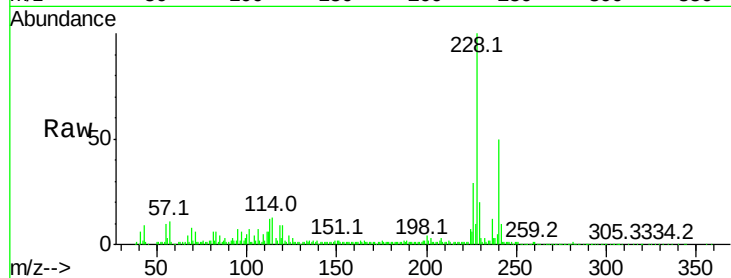




#80
Benzo(a)anthracene
Concen: 12.153 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

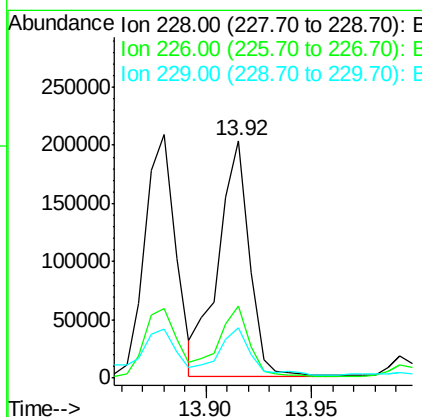
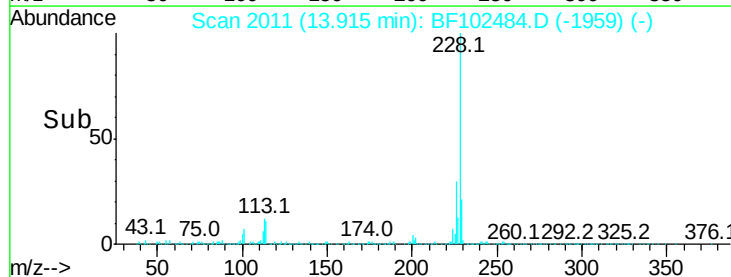
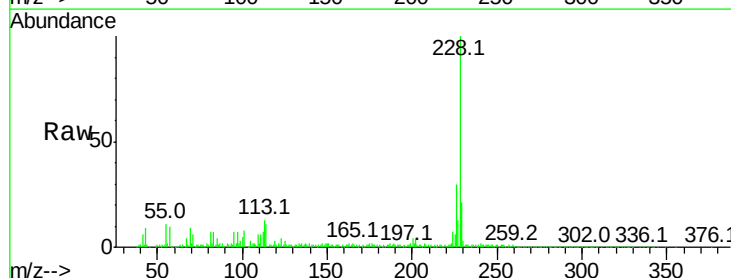
Instrument :
BNA_F
ClientSampleId :

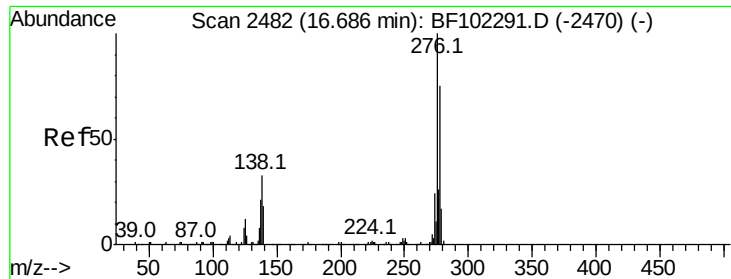
Tot Ion:228 Resp: 212841
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 11.789 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Tgt Ion:228 Resp: 209665
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 21.1 16.2 24.4

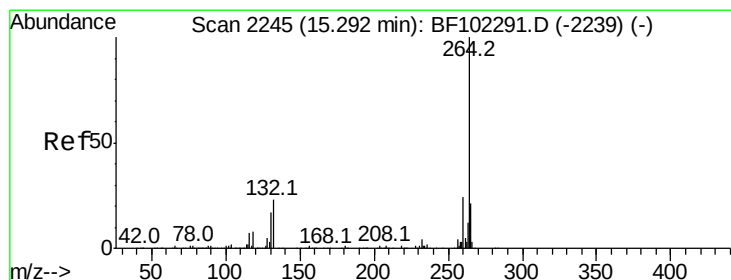
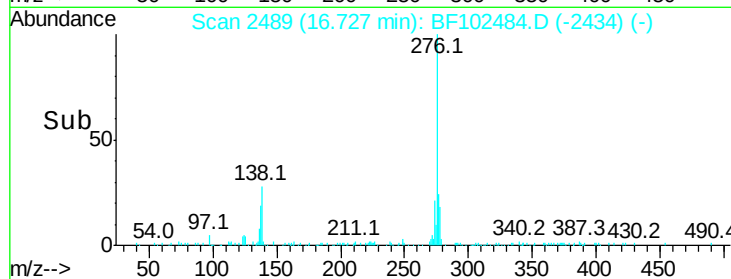
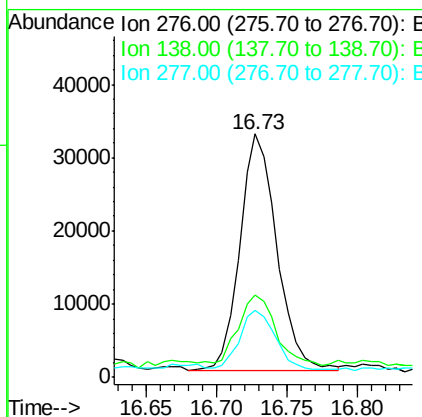
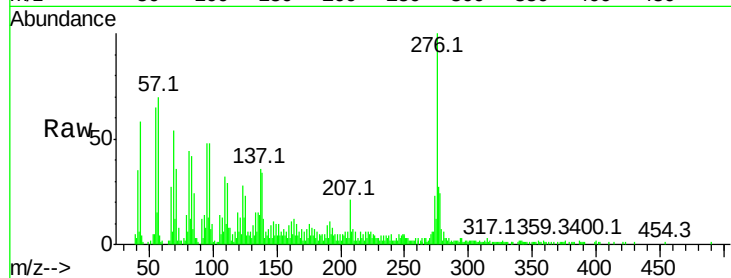




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.026 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.02 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

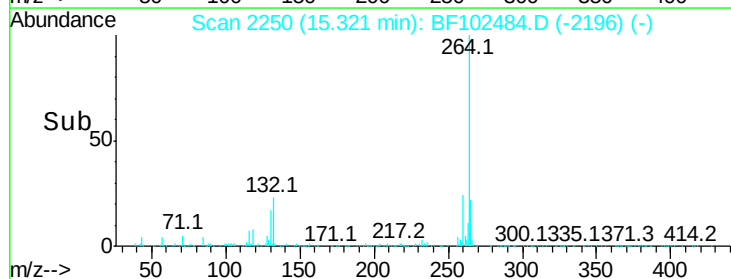
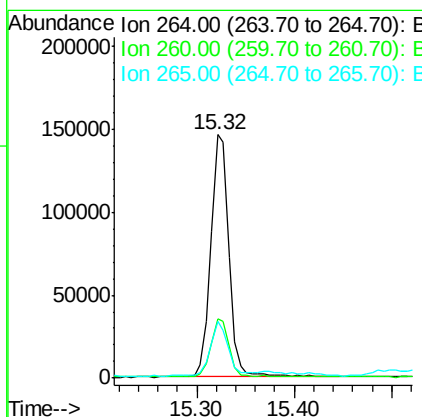
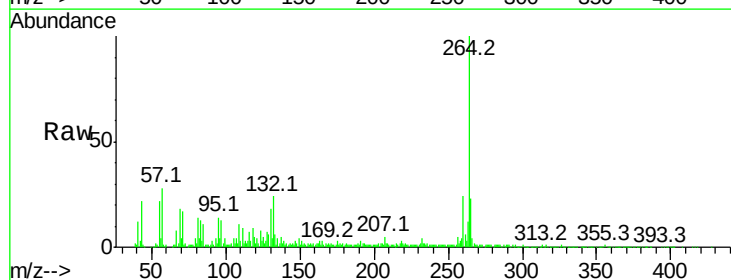
Instrument :
BNA_F
ClientSampleId :

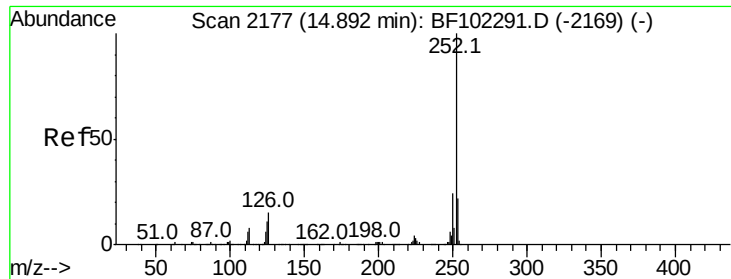
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	24.2	20.1	30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.02 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 18.145 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

Instrument :

BNA_F

ClientSampleId :

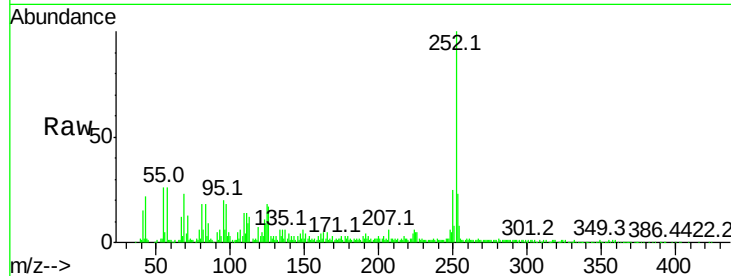
Tot Ion:252 Resp: 221463

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

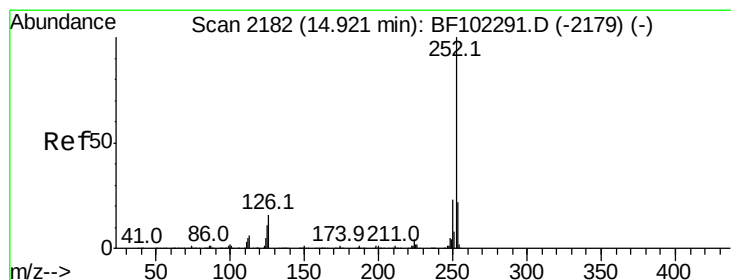
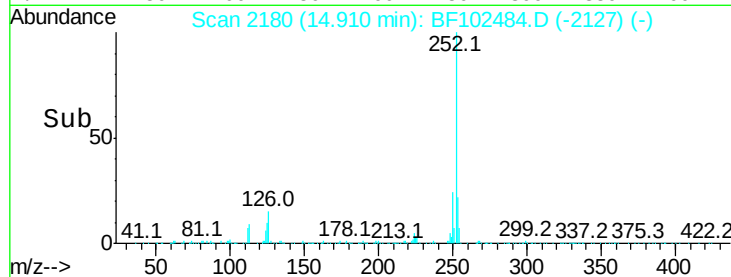
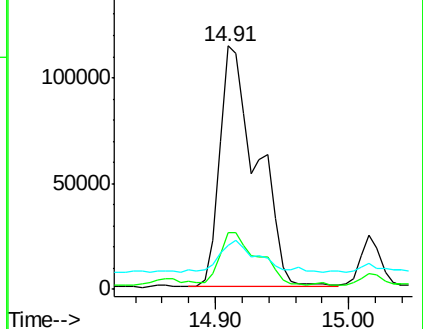
125 18.3 9.0 13.6#



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: 19.205 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.02 min

Lab File: BF102484.D

Acq: 26 Jan 2018 22:16

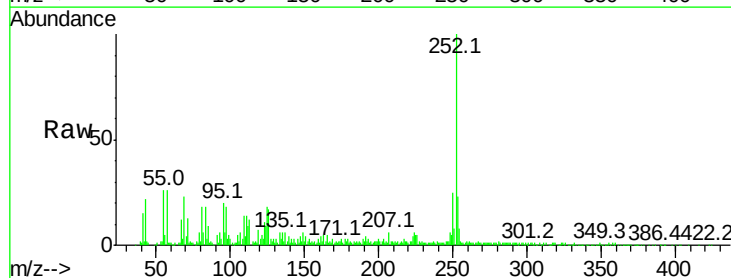
Tgt Ion:252 Resp: 221463

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

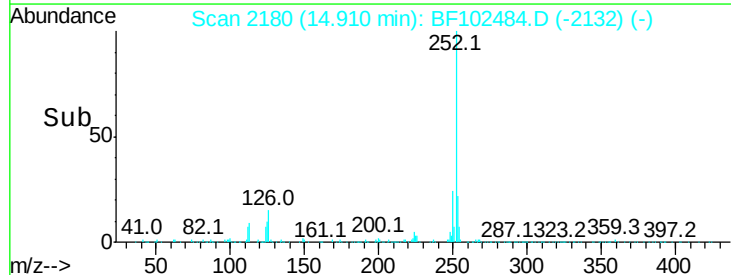
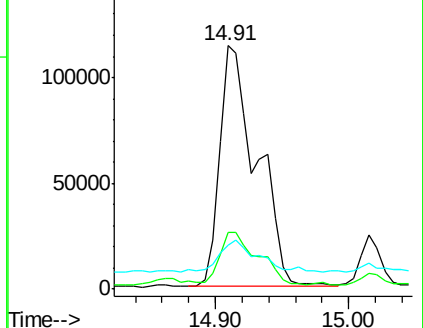
125 18.3 10.2 15.2#

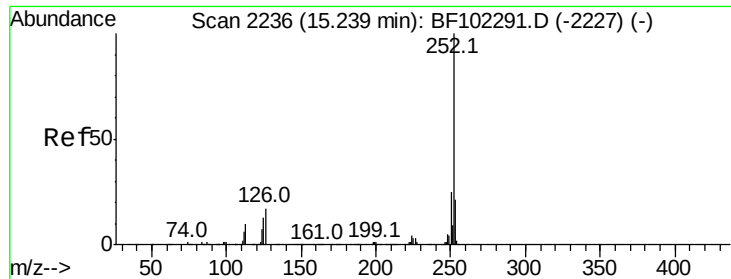


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

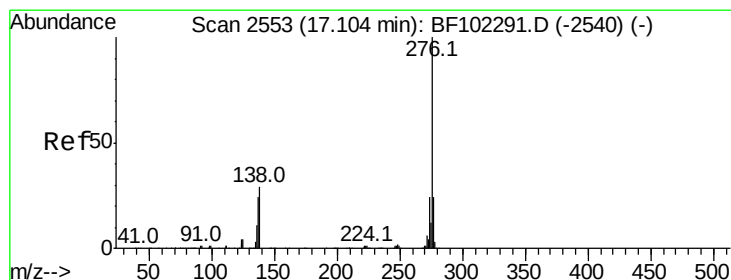
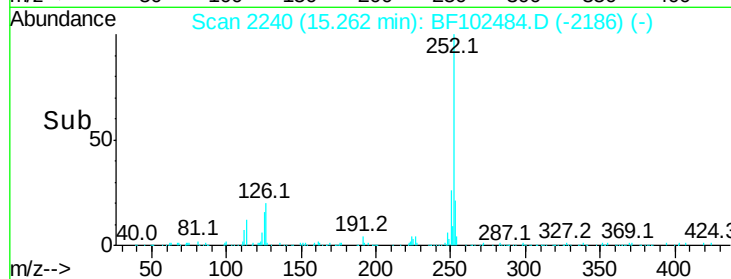
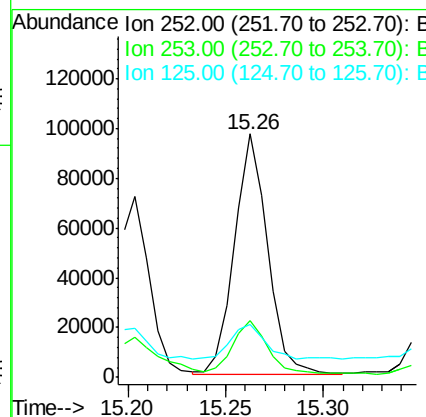
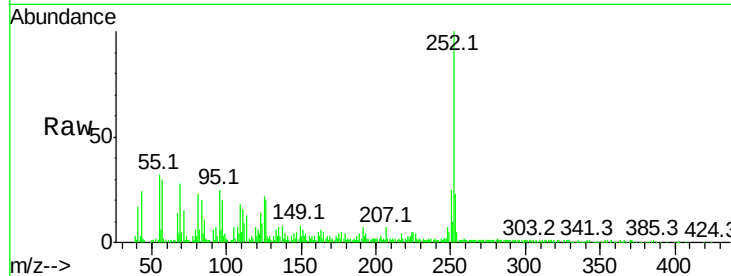




#89
Benzo(a)pyrene
Concen: 10.300 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.02 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 113387
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 21.5 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.610 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.03 min
Lab File: BF102484.D
Acq: 26 Jan 2018 22:16

Tgt Ion:276 Resp: 58200
Ion Ratio Lower Upper
276 100
277 26.1 17.9 26.9
138 36.6 21.8 32.8#

