

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031218\
 Data File : BF103582.D
 Acq On : 12 Mar 2018 15:20
 Operator : SJ/JU
 Sample : J1876-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-01-03

Quant Time: Mar 12 16:09:48 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

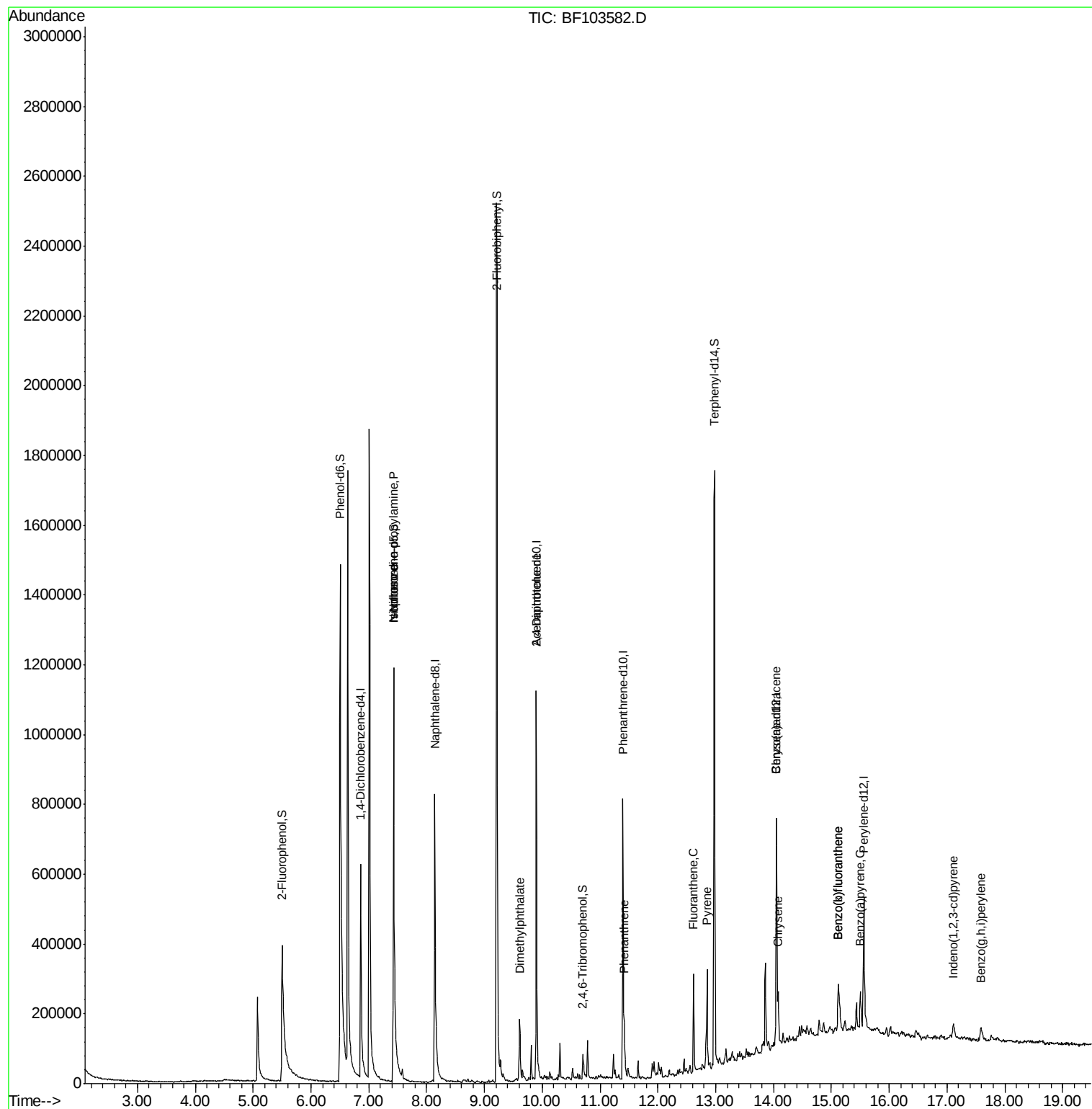
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	136422	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	585098	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	236851	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	365832	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	218591	20.00	ng	-0.01
86) Perylene-d12	15.56	264	204067	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	362272	40.16	ng	0.01
7) Phenol-d6	6.50	99	972382	88.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	637485	62.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	11023	5.50	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	952912	65.58	ng	-0.01
78) Terphenyl-d14	12.98	244	608994	66.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	2105	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.43	70	81915	11.925 ng	#	30
25) Isophorone	7.43	82	637485	31.592 ng	#	64
49) Dimethylphthalate	9.61	163	87094	4.584 ng		99
56) 2,4-Dinitrotoluene	9.90	165	29644	5.878 ng	#	25
70) Phenanthrene	11.42	178	52365	2.601 ng		97
74) Fluoranthene	12.62	202	127060	6.280 ng		97
77) Pyrene	12.85	202	131411	7.711 ng		97
80) Benzo(a)anthracene	14.04	228	58413	4.119 ng		97
82) Chrysene	14.08	228	54730	3.974 ng		96
85) Indeno(1,2,3-cd)pyrene	17.12	276	34031	3.121 ng		94
87) Benzo(b)fluoranthene	15.12	252	100430	7.485 ng	#	95
88) Benzo(k)fluoranthene	15.12	252	100500	7.954 ng	#	97
89) Benzo(a)pyrene	15.50	252	56518	4.717 ng	#	94
91) Benzo(g,h,i)perylene	17.59	276	31130	3.440 ng	#	87

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

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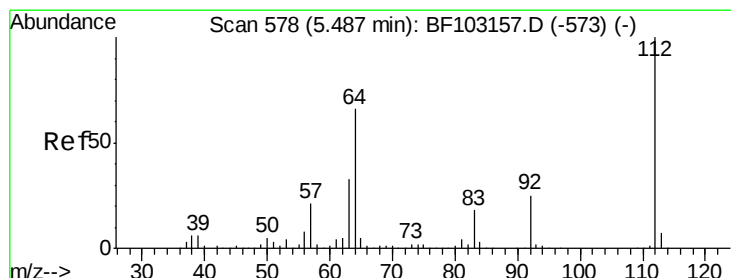
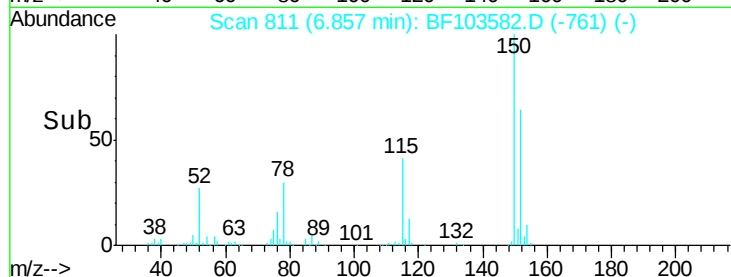
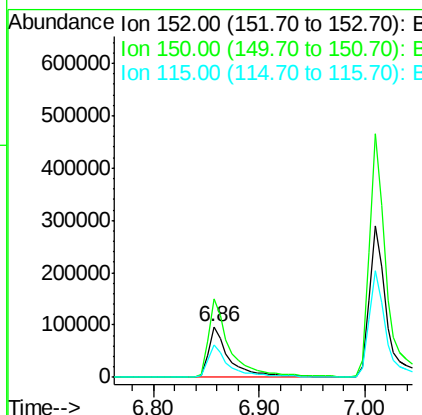
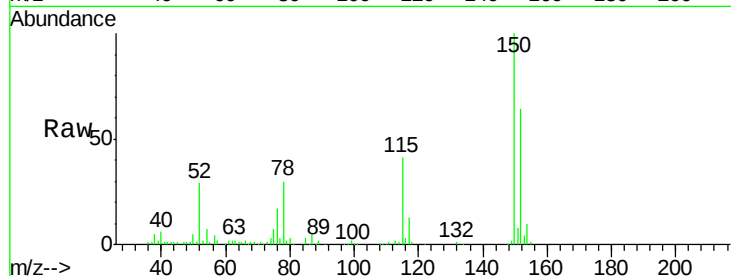


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

Instrument :
BNA_F
ClientSampleId :
SB-11-01-03

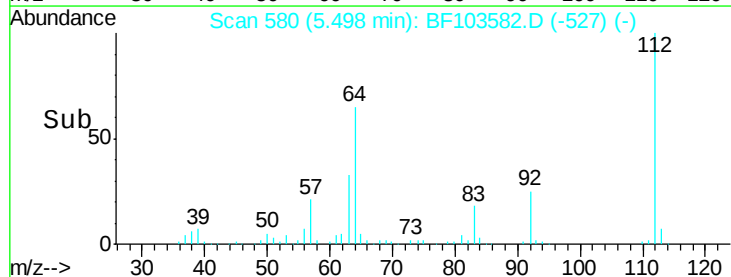
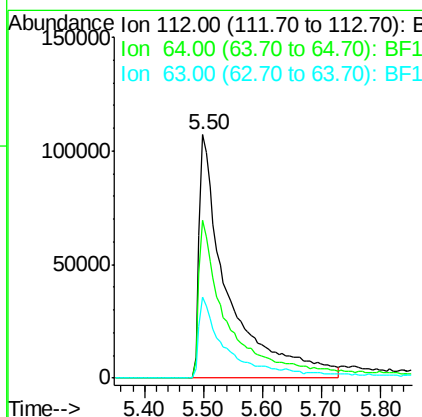
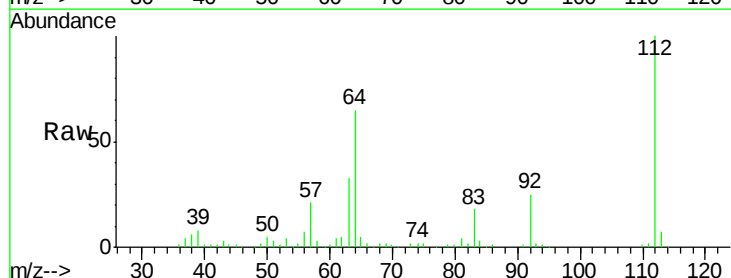
Tgt Ion:152 Resp: 136422
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 63.7 50.1 75.1

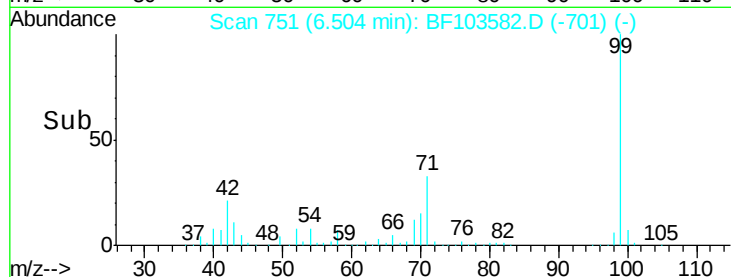
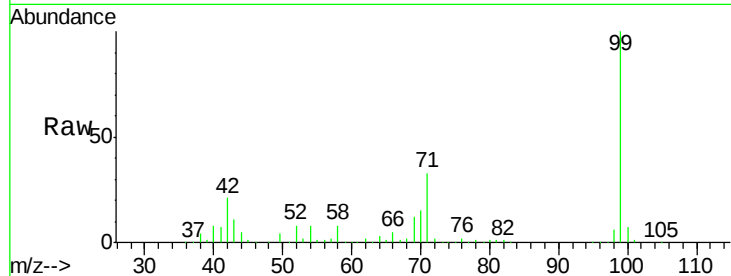
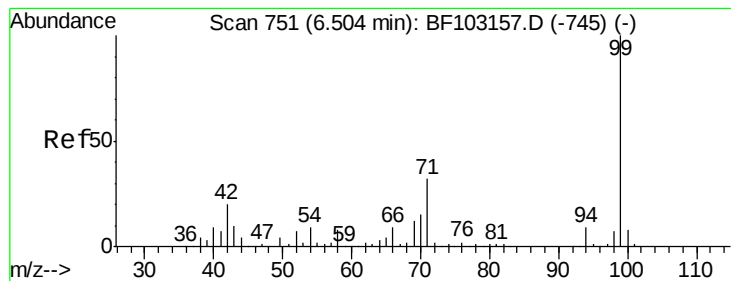


#5

2-Fluorophenol
Concen: 40.163 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

Tgt Ion:112 Resp: 362272
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 33.1 23.7 35.5





#7

Phenol-d6

Concen: 88.099 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

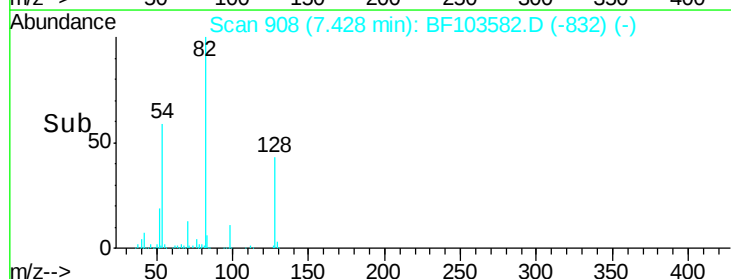
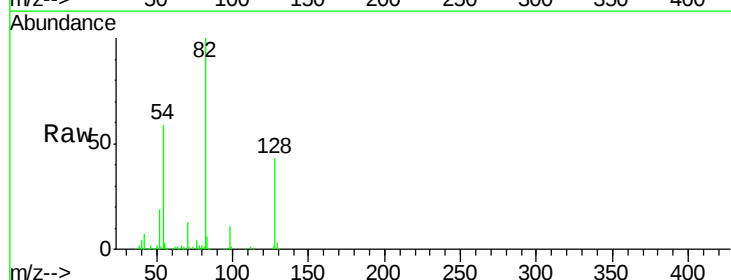
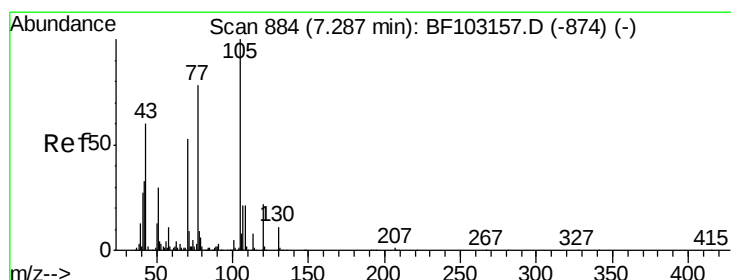
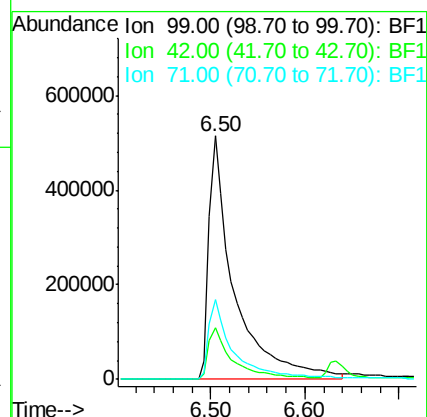
Tgt Ion: 99 Resp: 972382

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.925 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.15 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Tgt Ion: 70 Resp: 81915

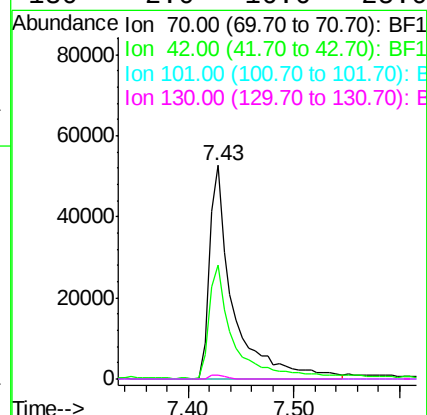
Ion Ratio Lower Upper

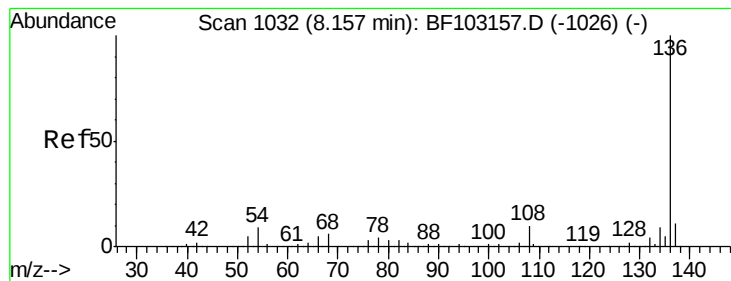
70 100

42 53.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

Tgt Ion: 136 Resp: 585098

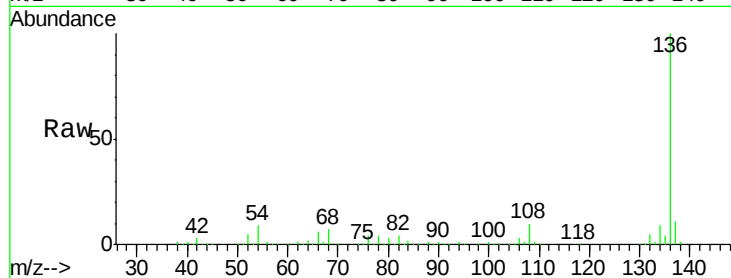
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

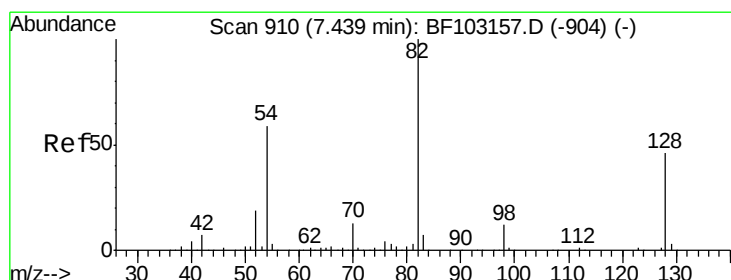
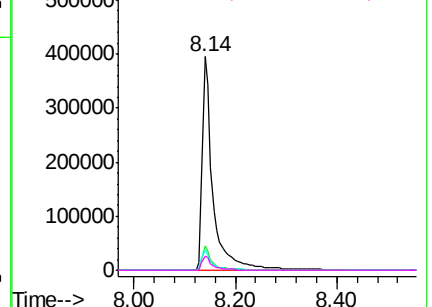
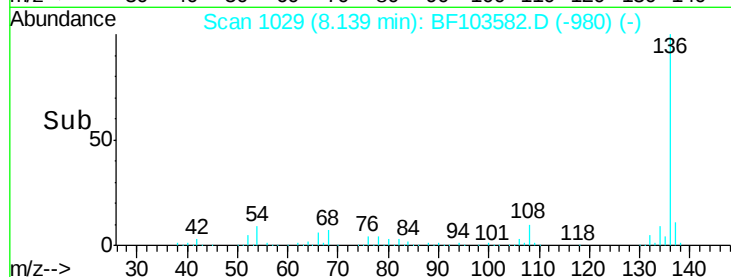


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.222 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

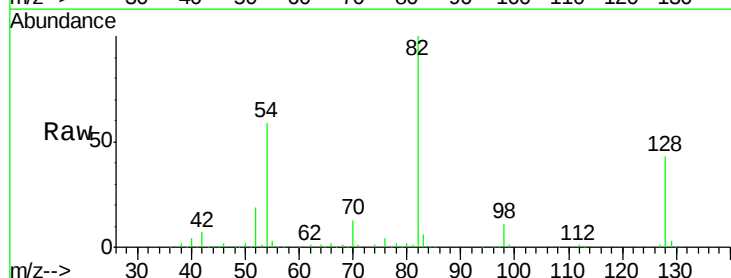
Tgt Ion: 82 Resp: 637485

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

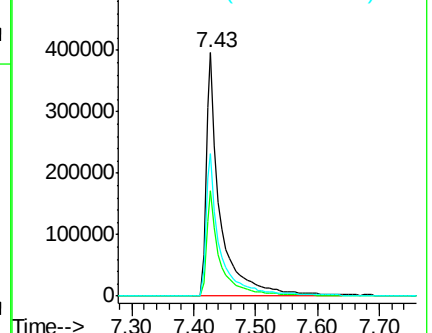
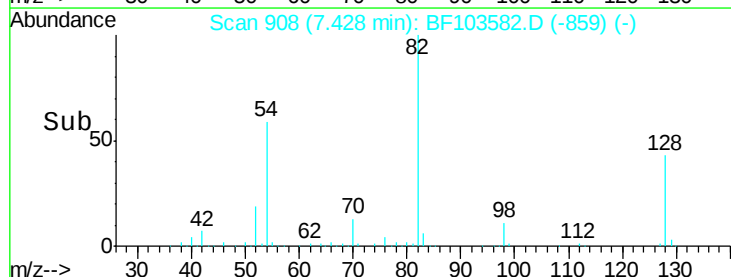
54 58.6 41.4 62.2



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: 31.592 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

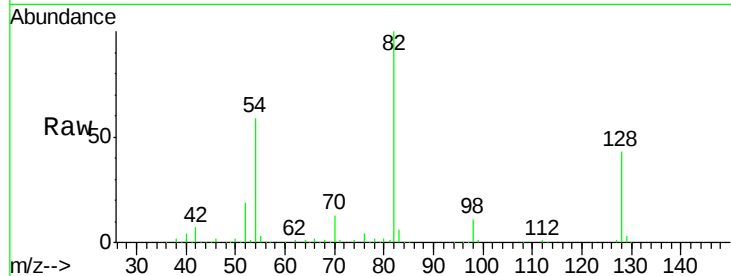
Tgt Ion: 82 Resp: 637485

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

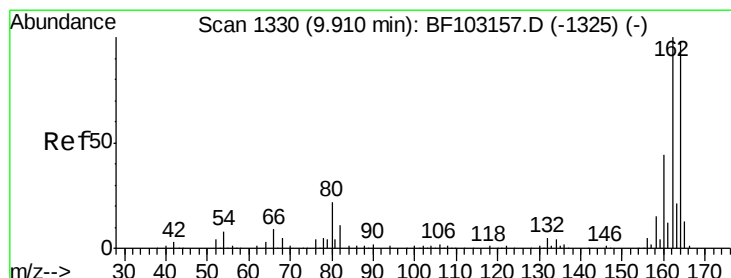
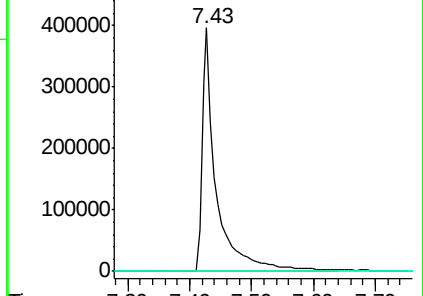
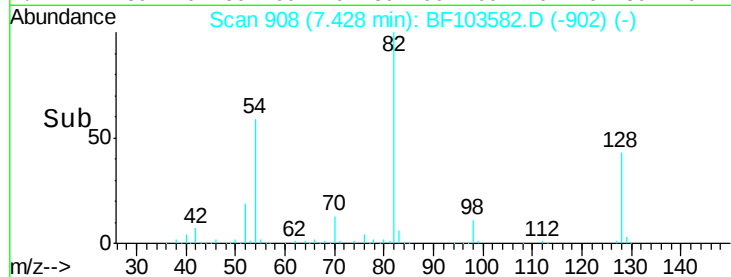
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

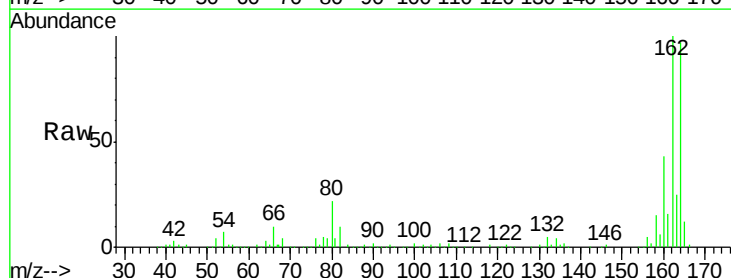
Tgt Ion: 164 Resp: 236851

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

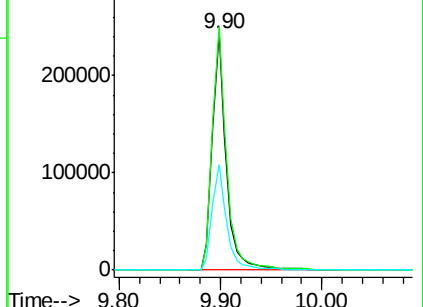
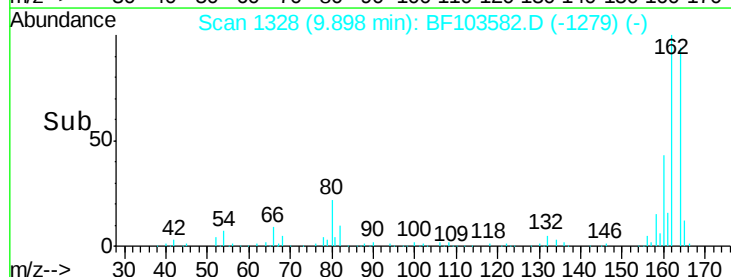
160 44.5 38.3 57.5

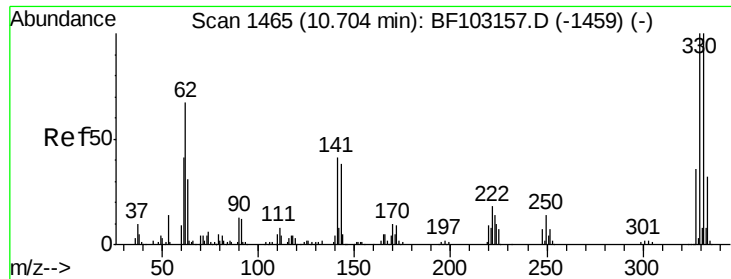


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 5.498 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

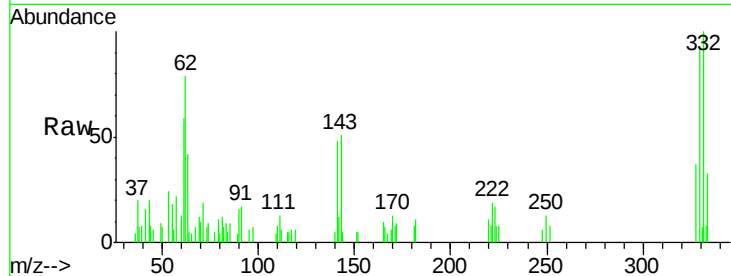
Tgt Ion:330 Resp: 11023

Ion Ratio Lower Upper

330 100

332 102.8 77.0 115.6

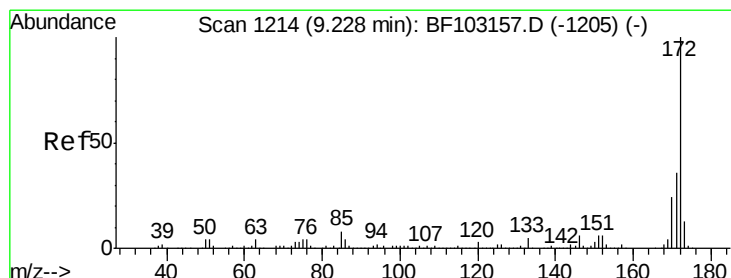
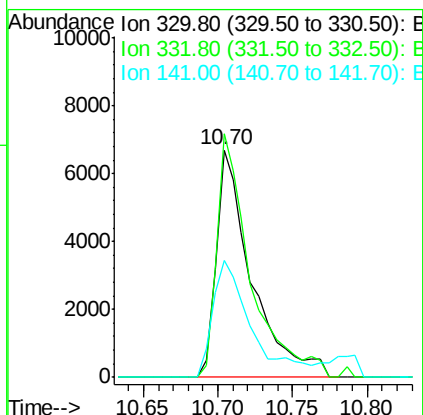
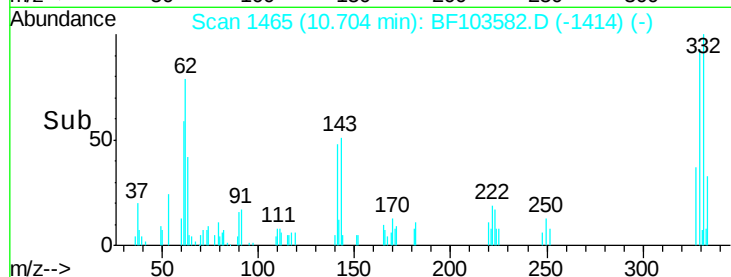
141 56.0 29.9 44.9#



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: 65.578 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

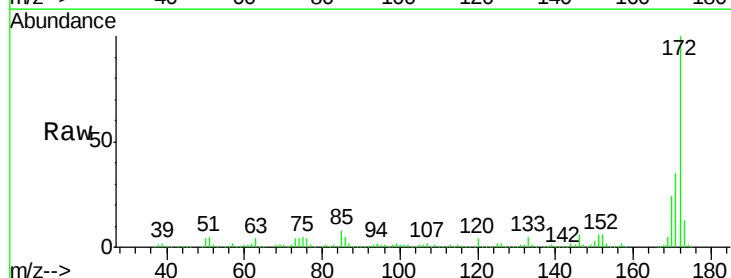
Tgt Ion:172 Resp: 952912

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

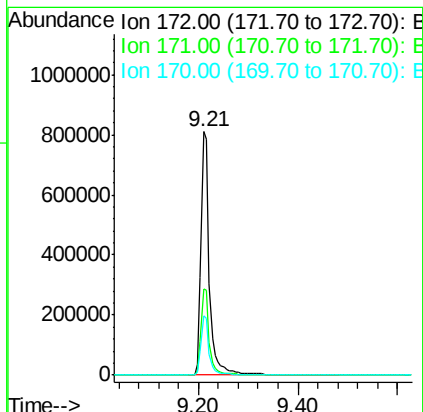
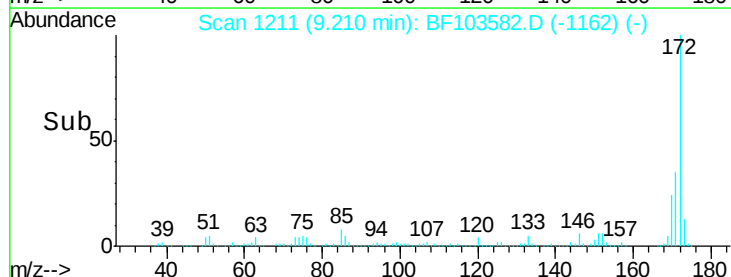
170 24.3 19.6 29.4

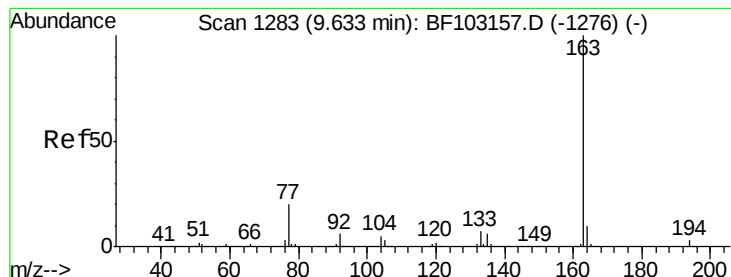


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.584 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

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SB-11-01-03

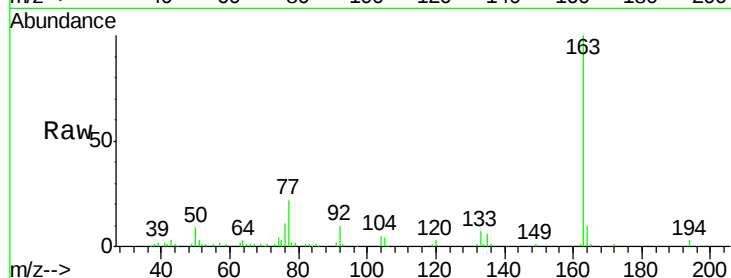
Tgt Ion:163 Resp: 87094

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

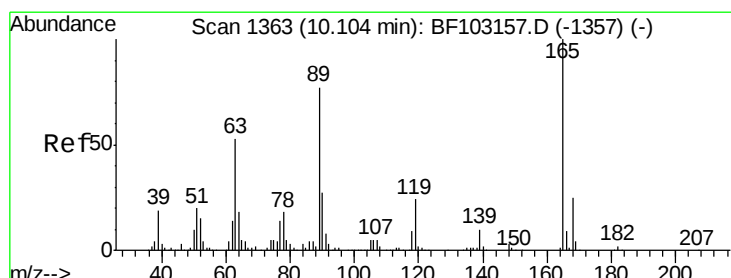
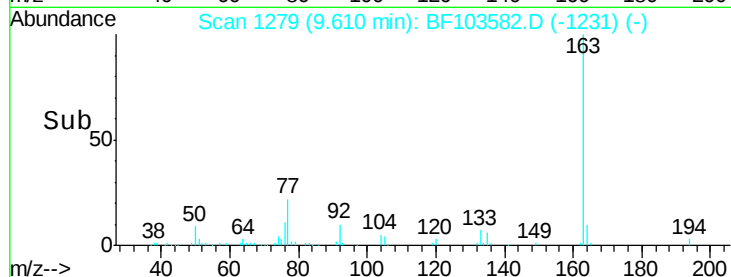
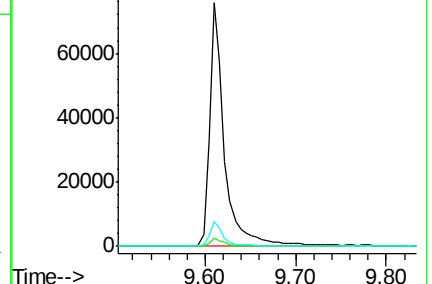
164 10.4 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 5.878 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.22 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Tgt Ion:165 Resp: 29644

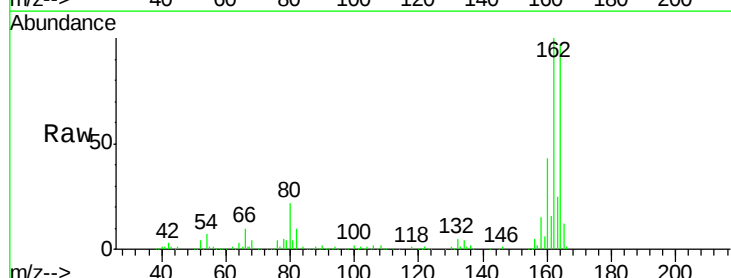
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 3.4 57.8 86.6#

182 0.0 1.6 2.4#

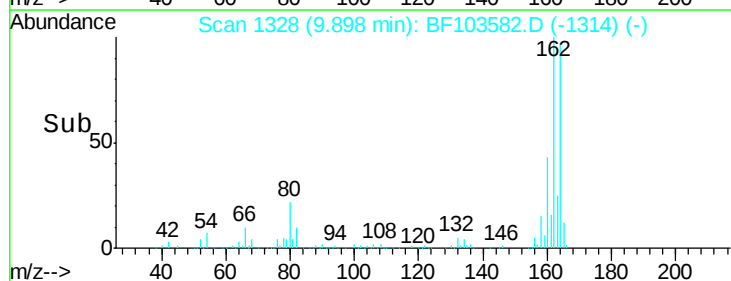
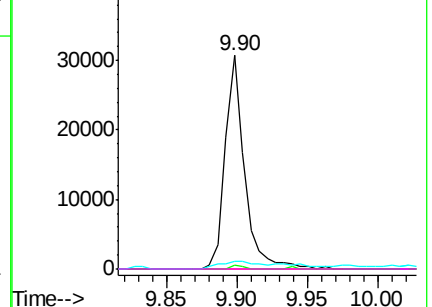


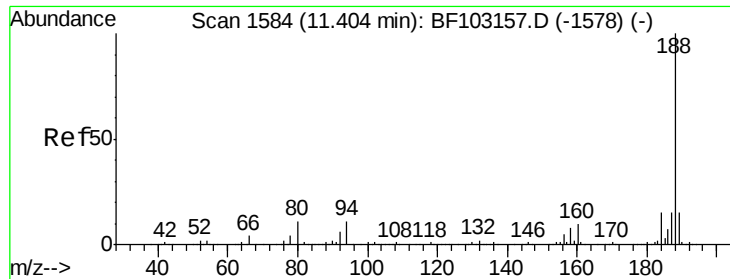
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

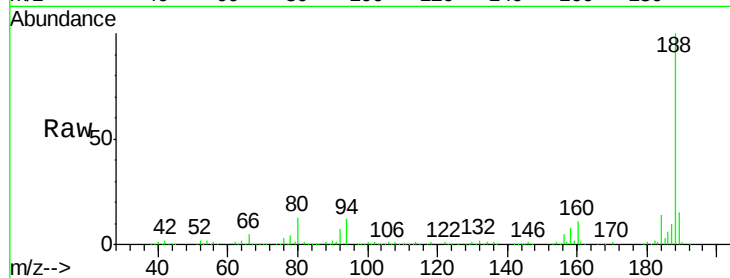
Tgt Ion:188 Resp: 365832

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

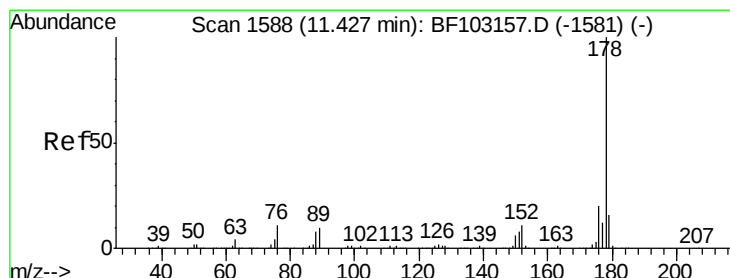
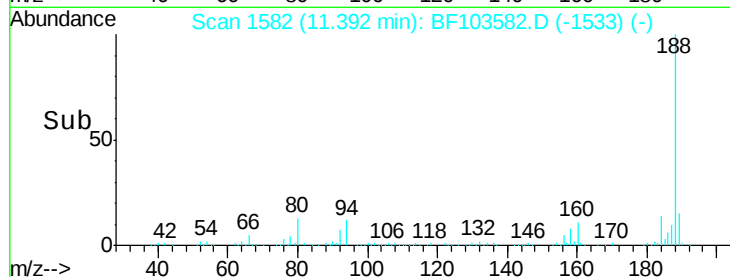
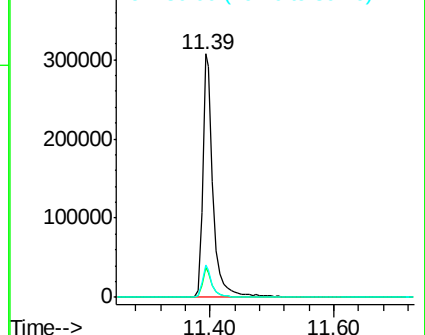
80 13.4 9.2 13.8



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: 2.601 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

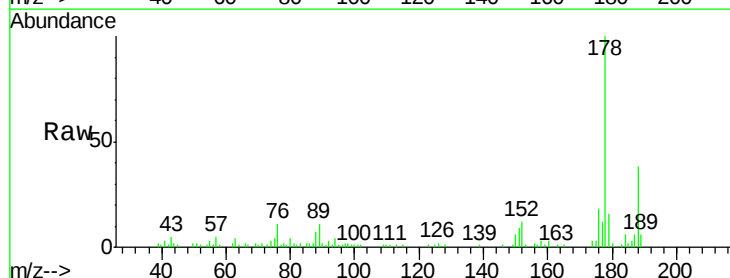
Tgt Ion:178 Resp: 52365

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

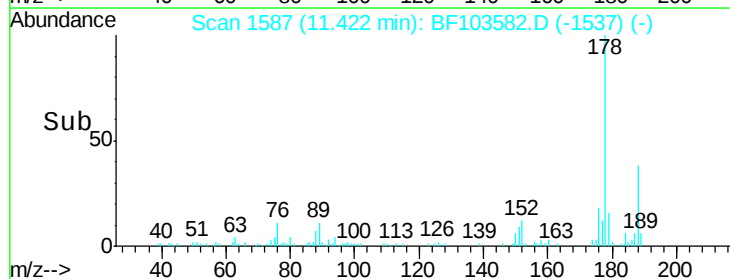
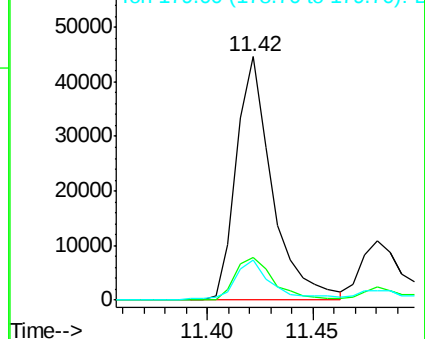
179 16.2 13.0 19.6

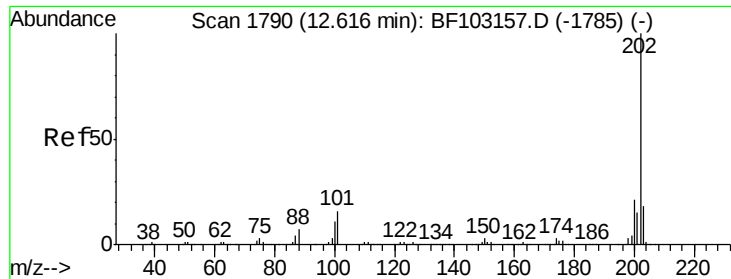


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.280 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

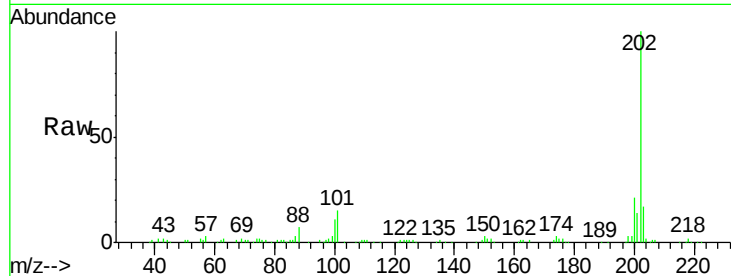
Tgt Ion: 202 Resp: 127060

Ion Ratio Lower Upper

202 100

101 15.5 0.0 34.1

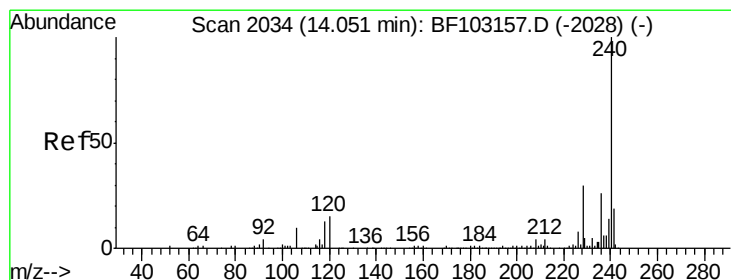
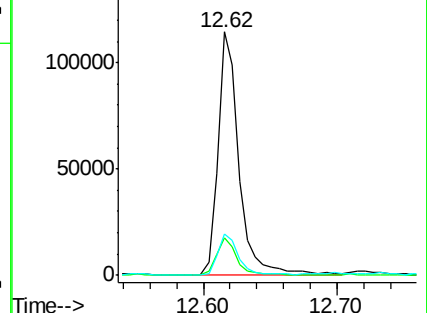
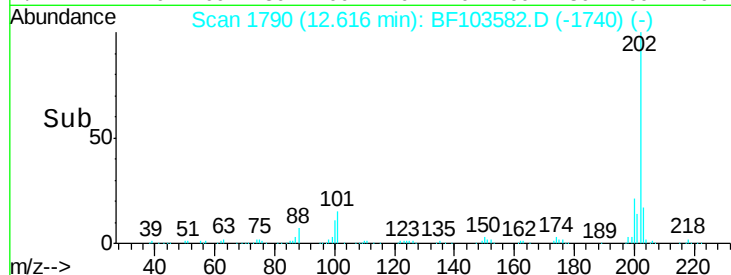
203 17.0 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

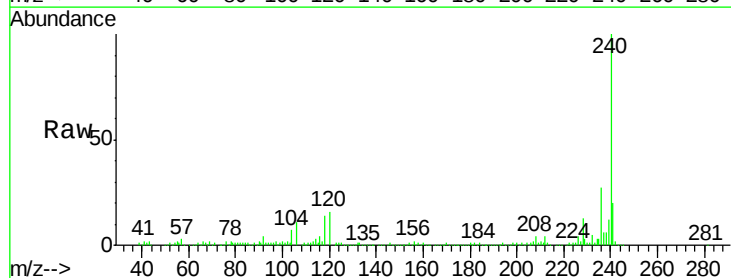
Tgt Ion: 240 Resp: 218591

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

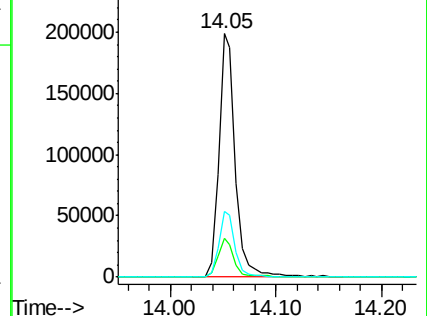
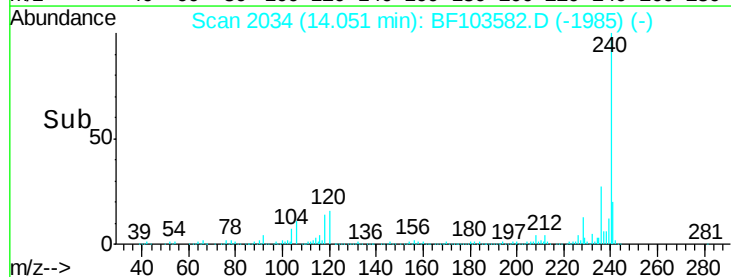
236 26.9 20.7 31.1

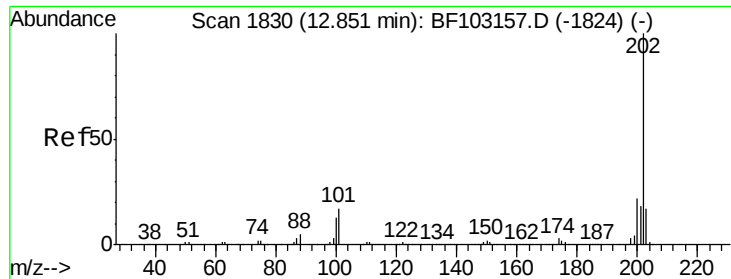


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

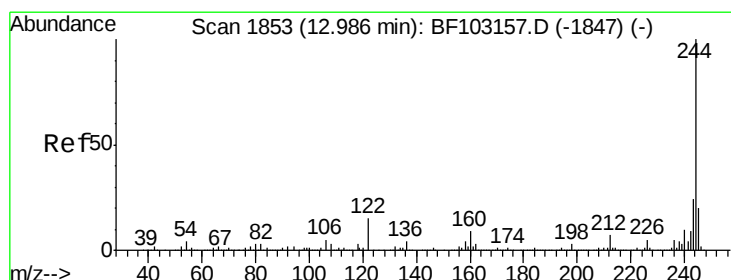
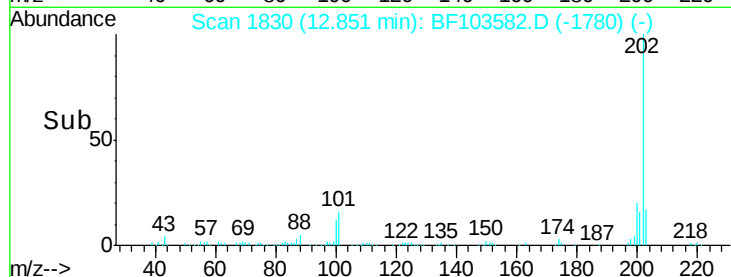
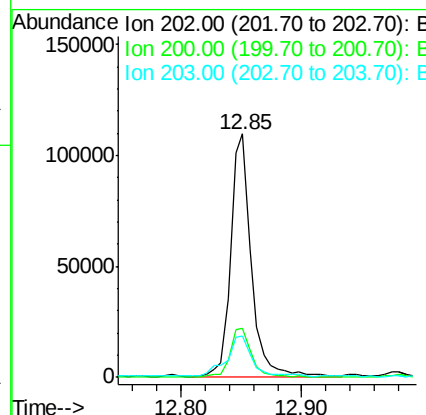
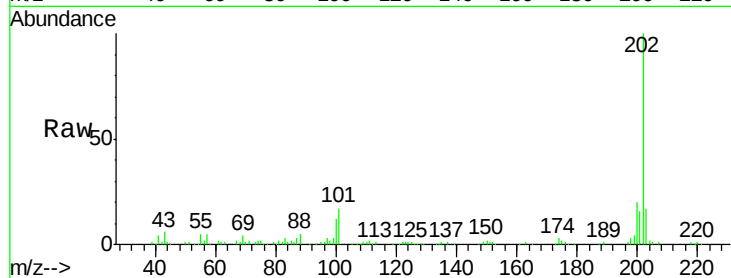




#77
 Pyrene
 Concen: 7.711 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF103582.D
 Acq: 12 Mar 2018 15:20

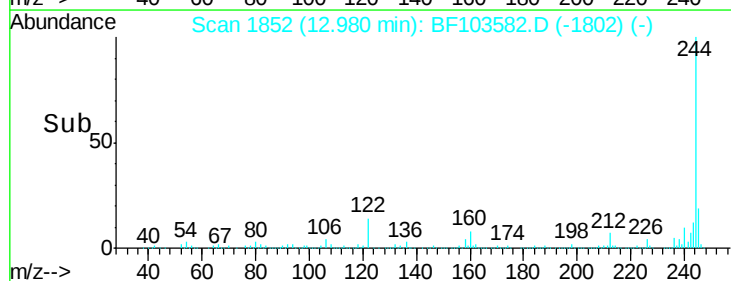
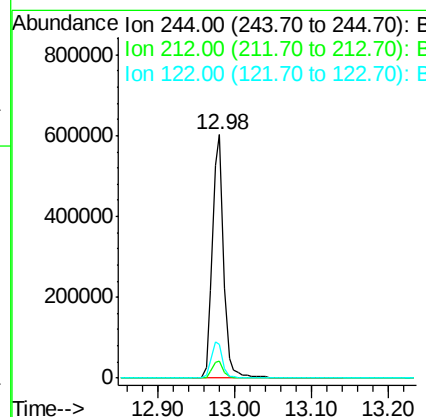
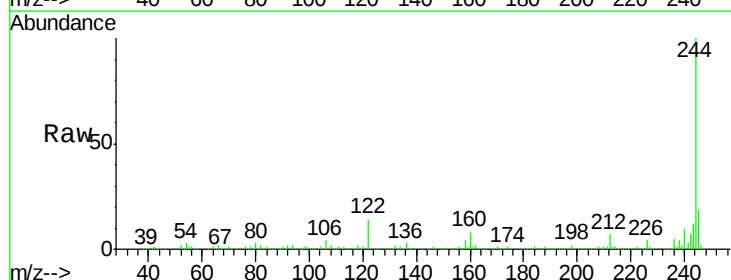
Instrument :
 BNA_F
 ClientSampleID :
 SB-11-01-03

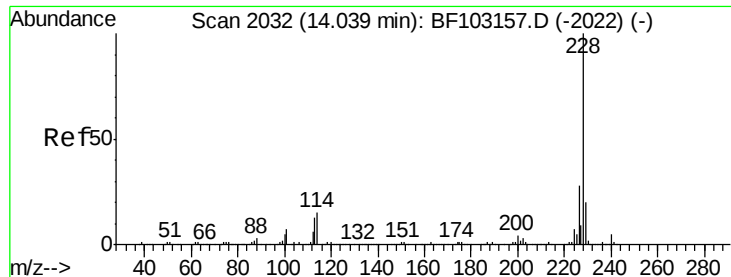
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.0	14.3	21.5



#78
 Terphenyl-d14
 Concen: 66.972 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF103582.D
 Acq: 12 Mar 2018 15:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.9	11.0	16.4





#80

Benzo(a)anthracene

Concen: 4.119 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

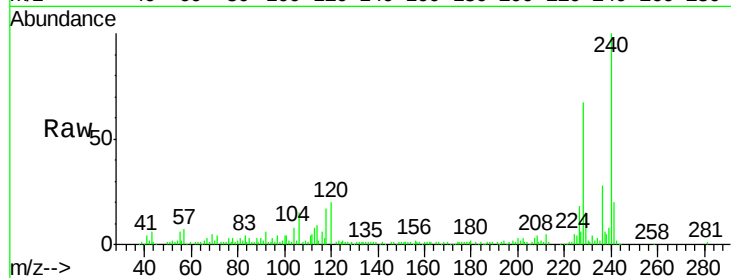
Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

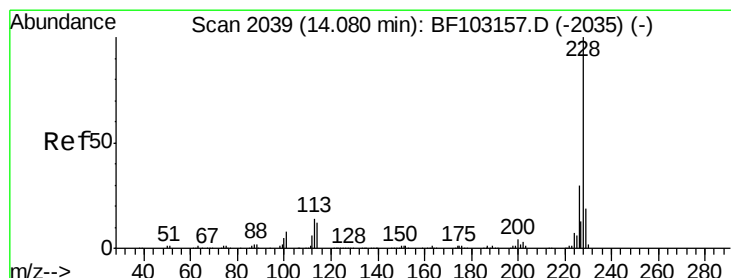
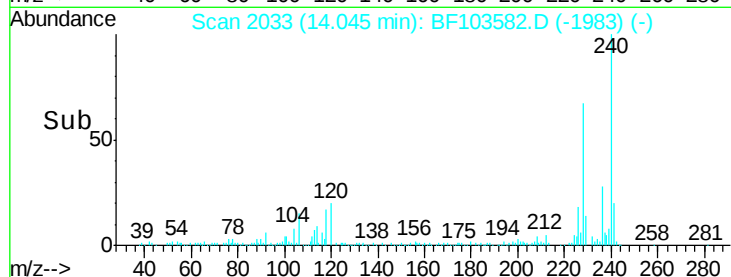
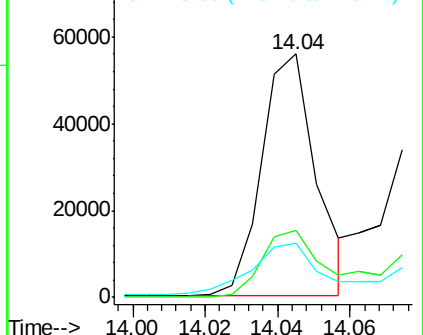
Tgt Ion:	228	Resp:	58413
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	22.2	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.974 ng

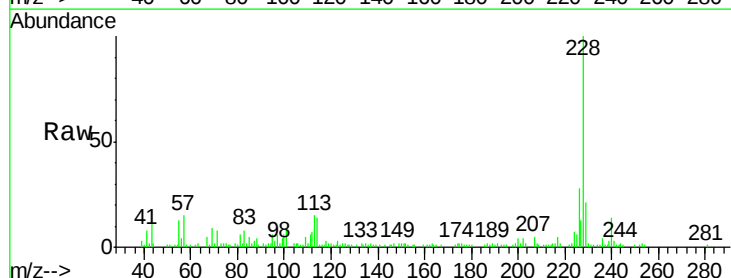
RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

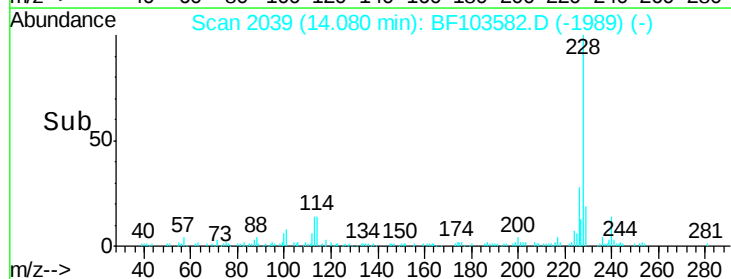
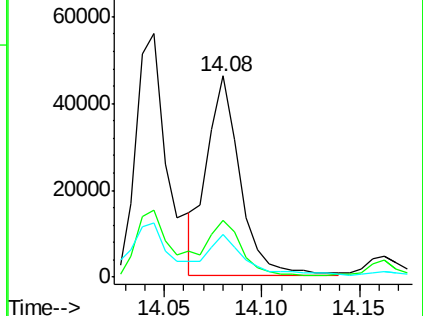
Tgt Ion:	228	Resp:	54730
Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.6
229	20.9	16.2	24.4

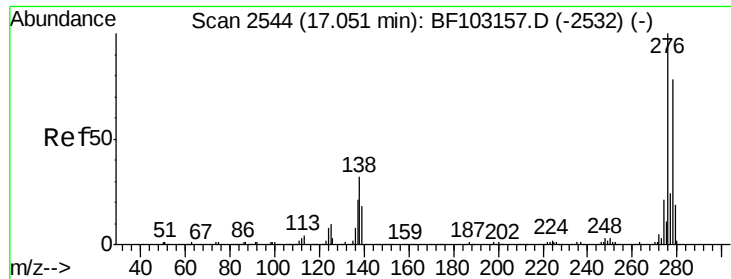


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.121 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

Instrument :

BNA_F

ClientSampleId :

SB-11-01-03

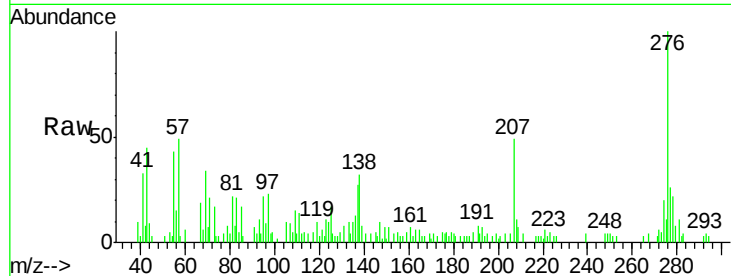
Tgt Ion: 276 Resp: 34031

Ion Ratio Lower Upper

276 100

138 28.9 25.0 37.6

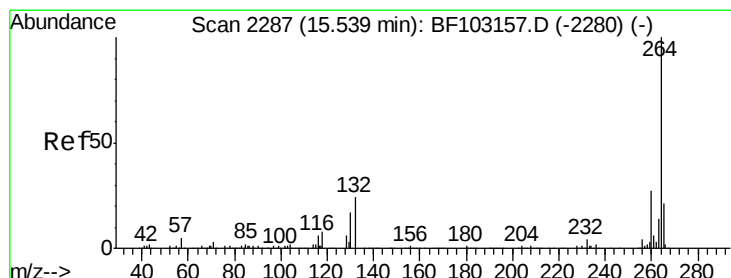
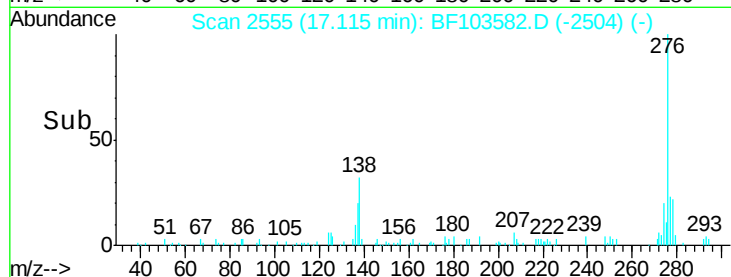
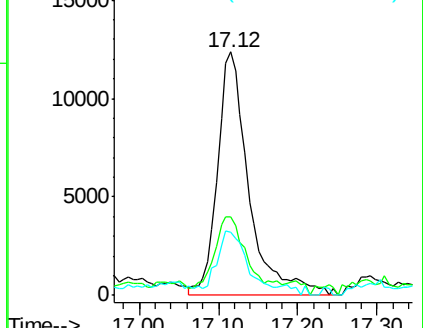
277 20.6 20.1 30.1



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: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF103582.D

Acq: 12 Mar 2018 15:20

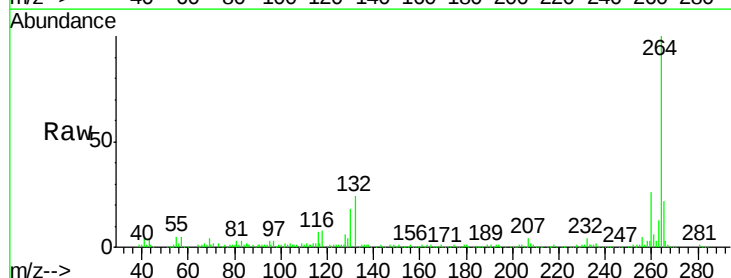
Tgt Ion: 264 Resp: 204067

Ion Ratio Lower Upper

264 100

260 26.5 19.2 28.8

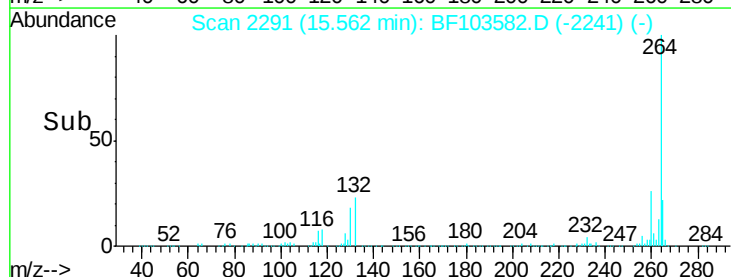
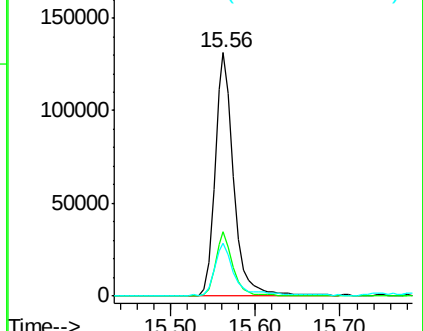
265 21.8 17.5 26.3

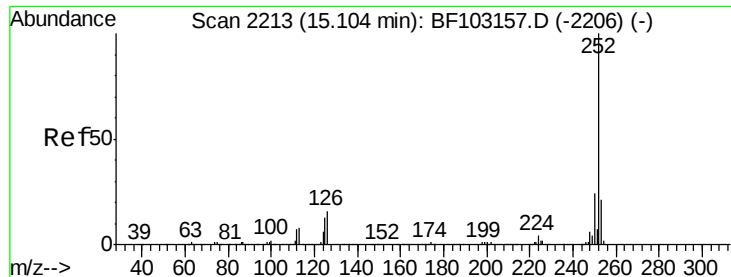


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

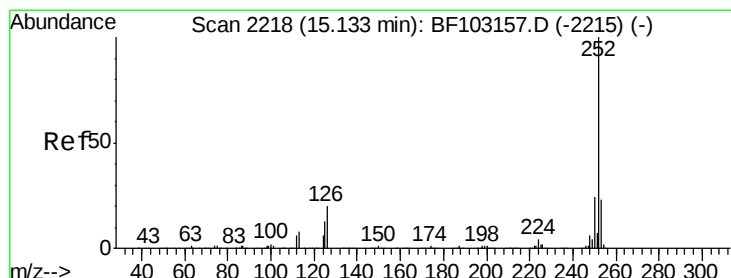
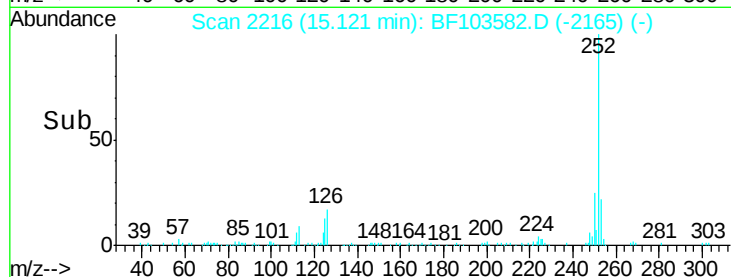
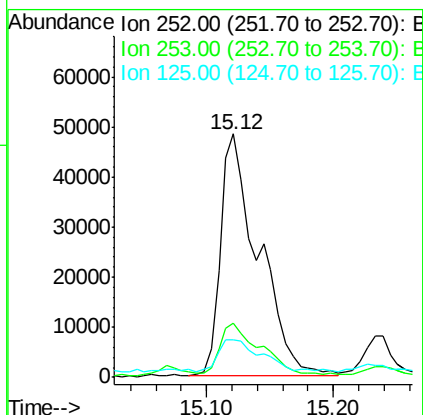
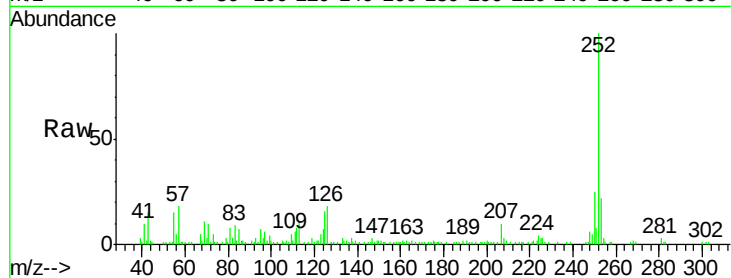




#87
Benzo(b)fluoranthene
Concen: 7.485 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

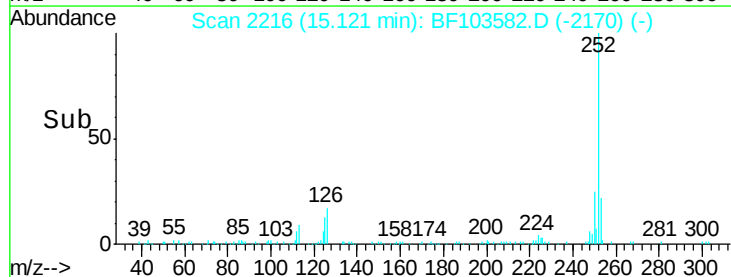
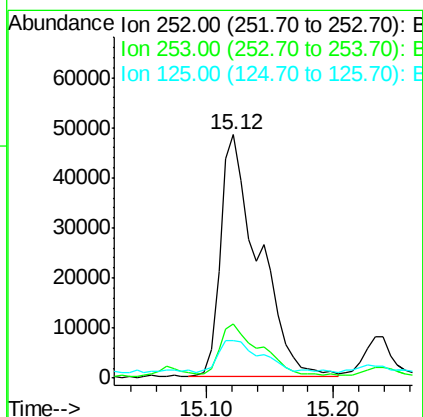
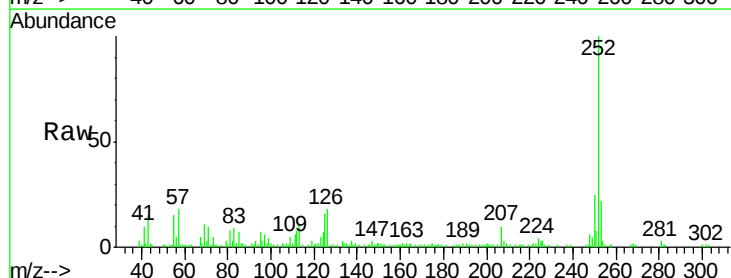
Instrument :
BNA_F
ClientSampleId :
SB-11-01-03

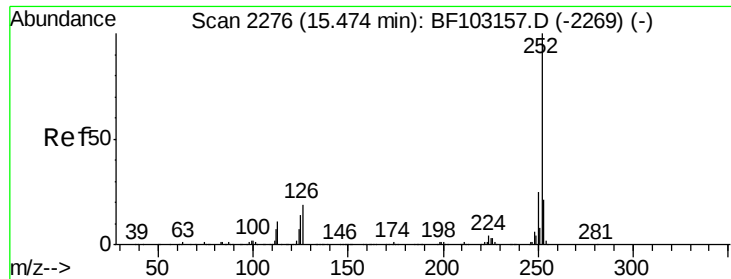
Tgt Ion:252 Resp: 100430
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 15.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 7.954 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

Tgt Ion:252 Resp: 100500
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 15.6 10.2 15.2#

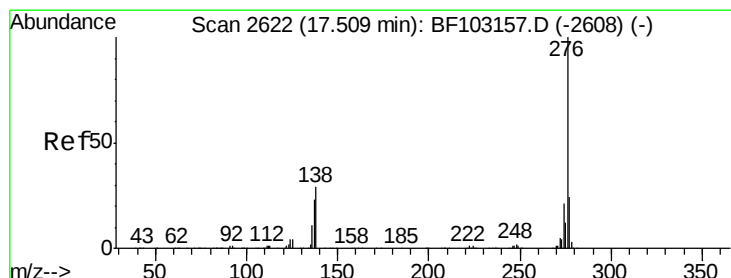
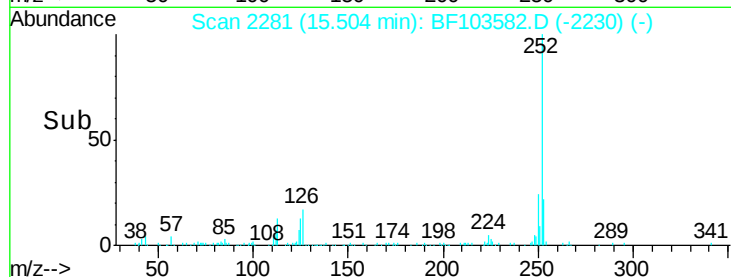
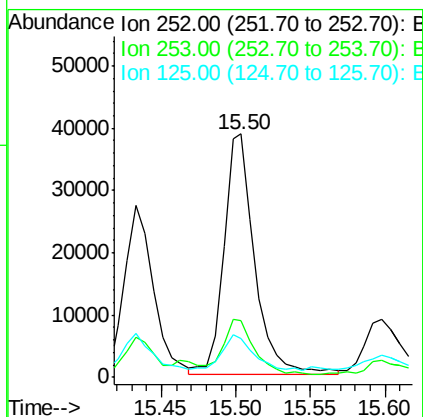
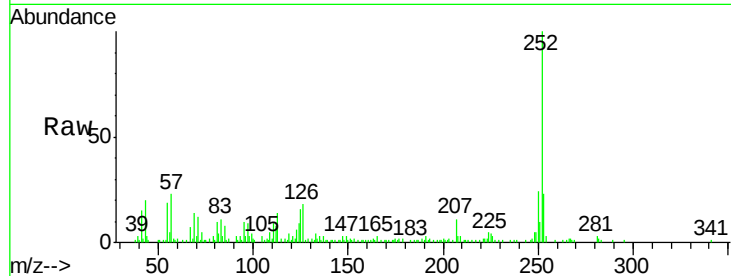




#89
Benzo(a)pyrene
Concen: 4.717 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

Instrument :
BNA_F
ClientSampleId :
SB-11-01-03

Tgt Ion:252 Resp: 56518
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 15.9 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.440 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.00 min
Lab File: BF103582.D
Acq: 12 Mar 2018 15:20

Tgt Ion:276 Resp: 31130
Ion Ratio Lower Upper
276 100
277 25.1 17.9 26.9
138 37.2 21.8 32.8#

