

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097743.D
 Acq On : 16 Aug 2017 17:15
 Operator : SJ/JU
 Sample : I4739-02 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-2

Quant Time: Aug 17 01:22:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

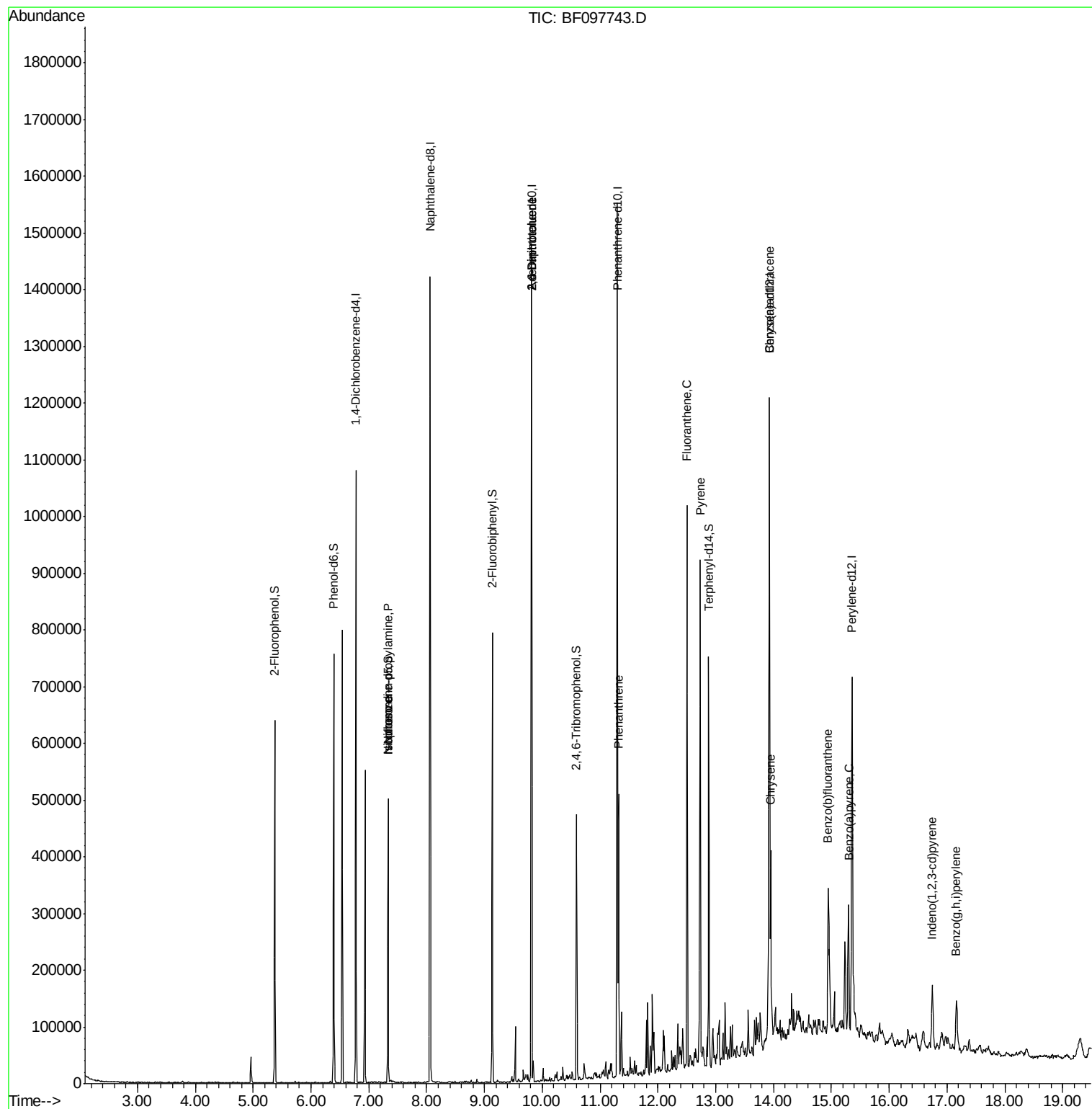
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	147400	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	590634	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	261102	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	488075	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313767	20.00	ng	-0.01
86) Perylene-d12	15.36	264	273754	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	171997	17.75	ng	-0.01
7) Phenol-d6	6.39	99	237691	18.05	ng	-0.02
23) Nitrobenzene-d5	7.33	82	140751	12.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	41781	18.44	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	217102	12.22	ng	-0.01
78) Terphenyl-d14	12.88	244	174495	11.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	19216	2.13	ng	# 72
25) Isophorone	7.33	82	140134	6.20	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	33976	8.92	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	33976	7.11	ng	# 34
70) Phenanthrene	11.32	178	171509	6.59	ng	98
74) Fluoranthene	12.50	202	345150	12.71	ng	97
77) Pyrene	12.73	202	336248	13.10	ng	97
80) Benzo(a)anthracene	13.92	228	132069	7.02	ng	98
82) Chrysene	13.95	228	120632	6.45	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	69550	5.05	ng	# 90
87) Benzo(b)fluoranthene	14.94	252	183134	10.61	ng	100
89) Benzo(a)pyrene	15.30	252	105721	6.92	ng	99
91) Benzo(a,h,i)perylene	17.16	276	69179	5.33	ng	94

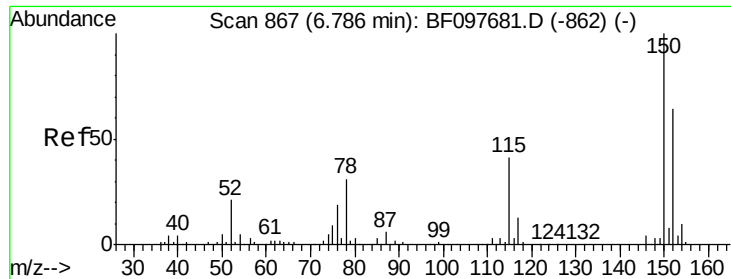
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097743.D
Acq On : 16 Aug 2017 17:15
Operator : SJ/JU
Sample : I4739-02 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

Quant Time: Aug 17 01:22:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



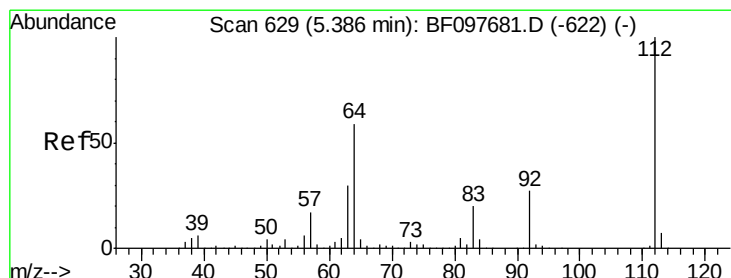
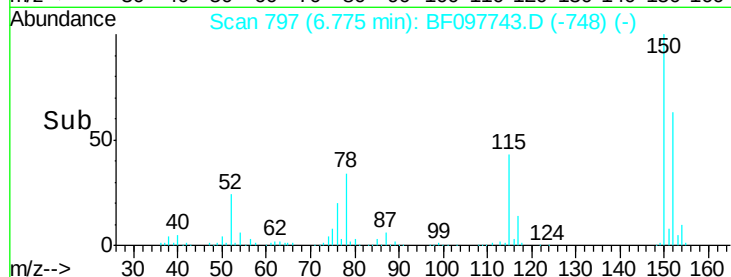
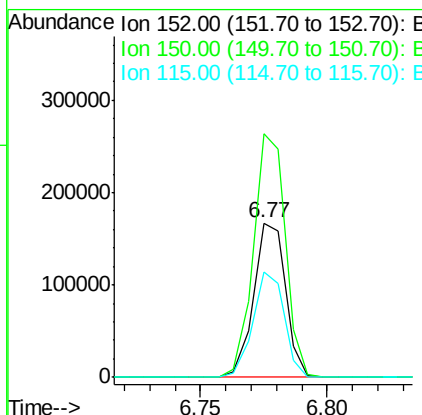
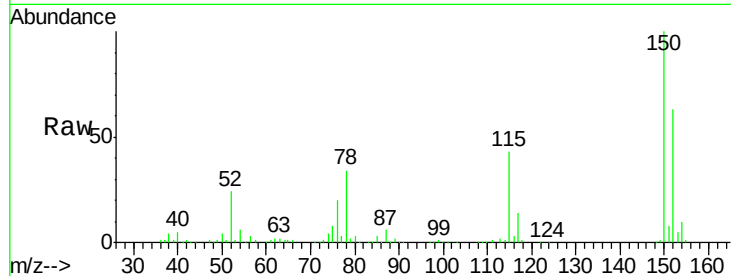


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

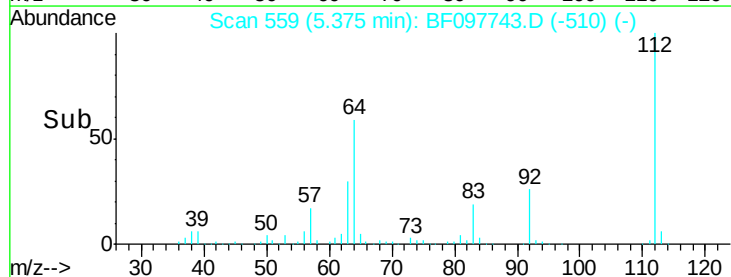
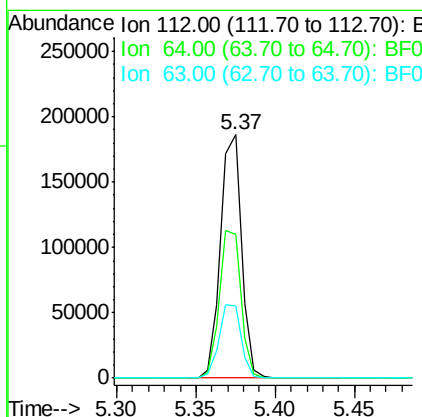
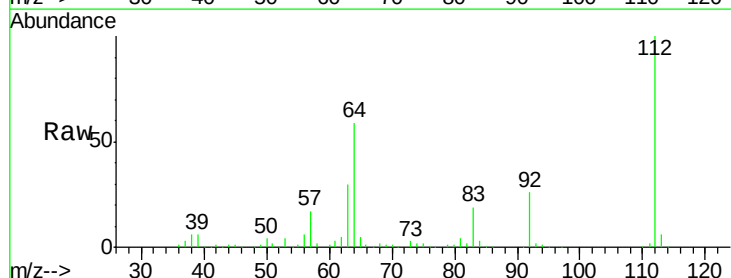
Tot Ion:152 Resp: 147400
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.2
115 68.4 52.2 78.2

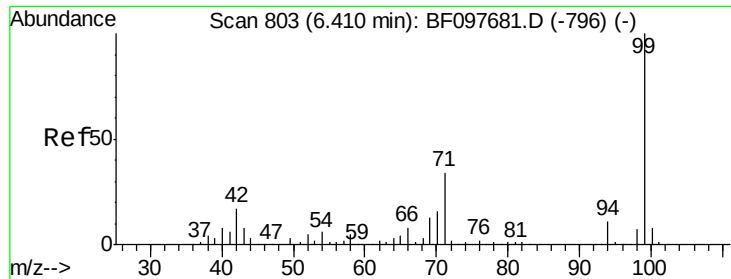


#5

2-Fluorophenol
Concen: 17.75 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion:112 Resp: 171997
Ion Ratio Lower Upper
112 100
64 58.9 46.0 69.0
63 29.5 23.4 35.0





#7

Phenol-d6

Concen: 18.05 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampled :

S11-WC-2

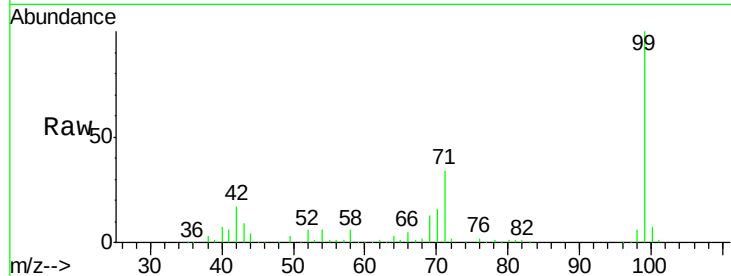
Tot Ion: 99 Resp: 237691

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

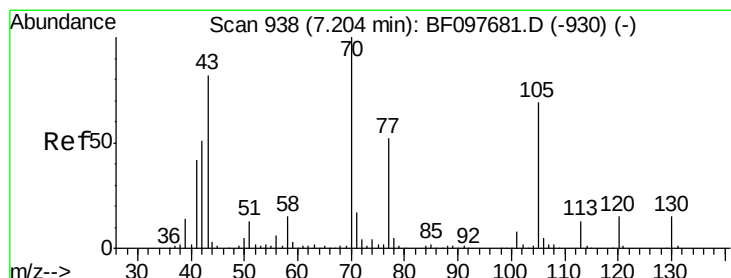
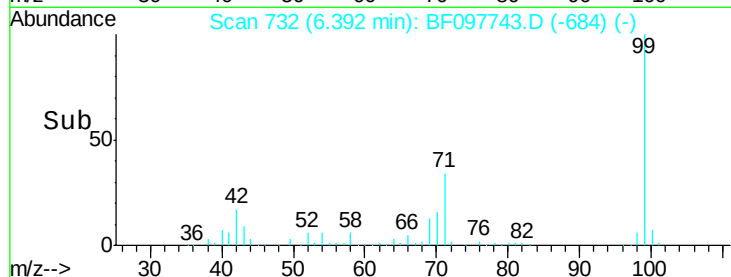
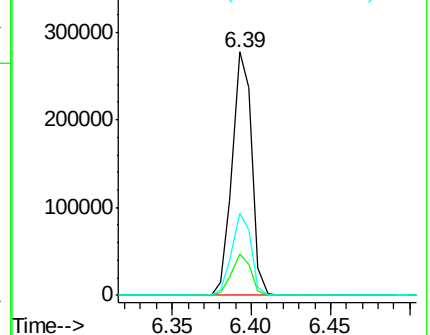
71 33.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.13 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Tgt Ion: 70 Resp: 19216

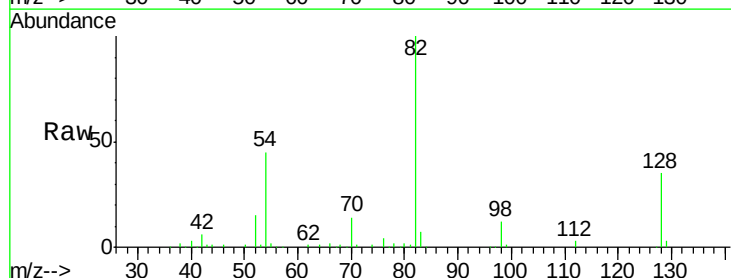
Ion Ratio Lower Upper

70 100

42 42.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

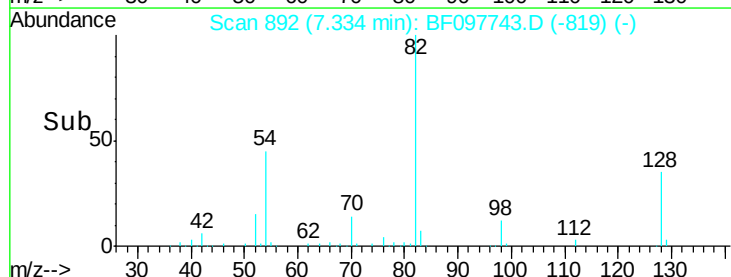
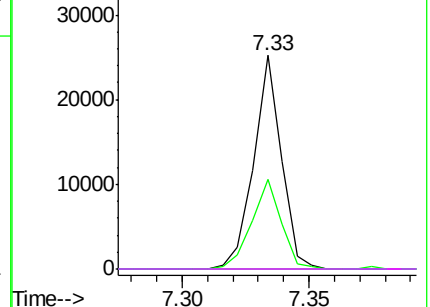


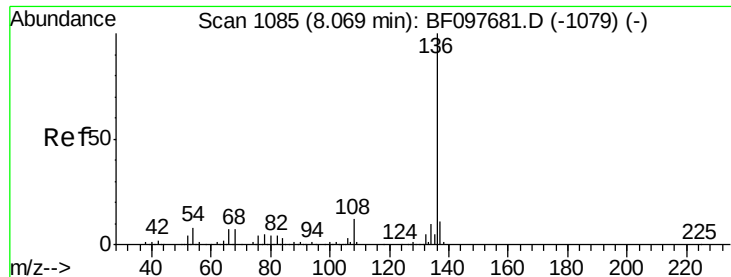
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

Tot Ion:136 Resp: 590634

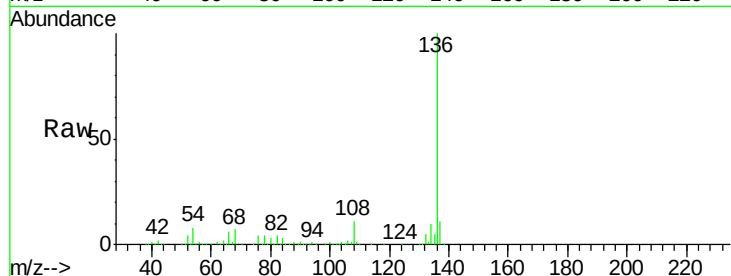
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.6 4.9 7.3#

68 7.0 4.1 6.1#

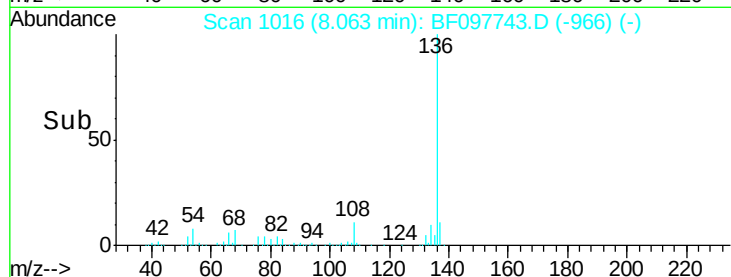


Abundance Ion 136.00 (135.70 to 136.70): E

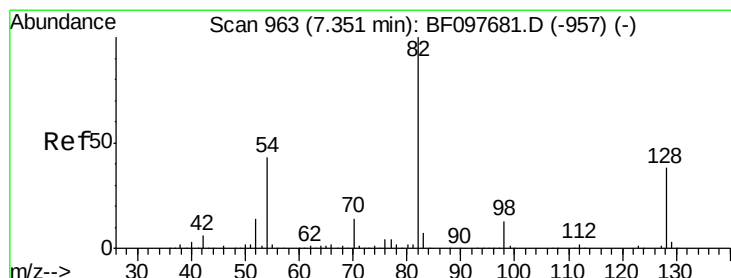
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.05 8.10



#23

Nitrobenzene-d5

Concen: 12.95 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

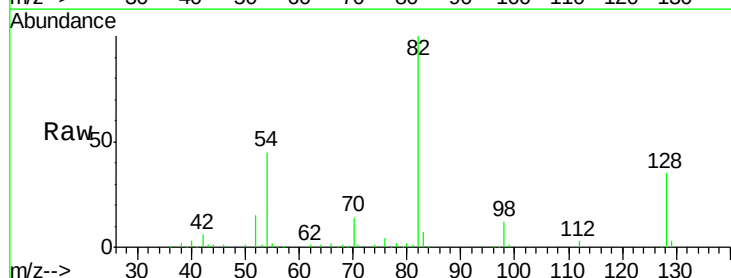
Tgt Ion: 82 Resp: 140751

Ion Ratio Lower Upper

82 100

128 35.0 34.0 51.0

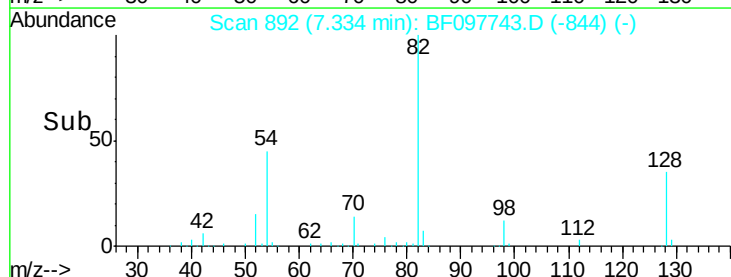
54 44.7 42.2 63.2



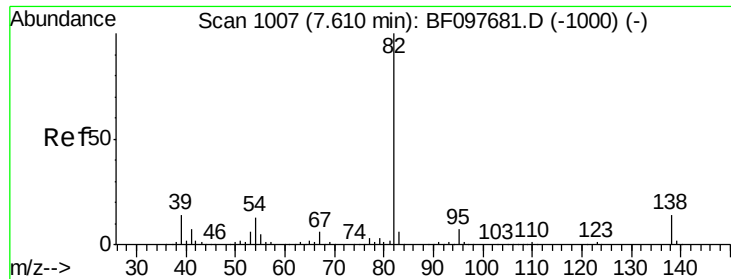
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



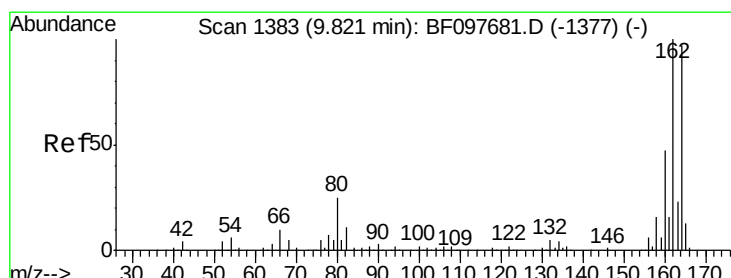
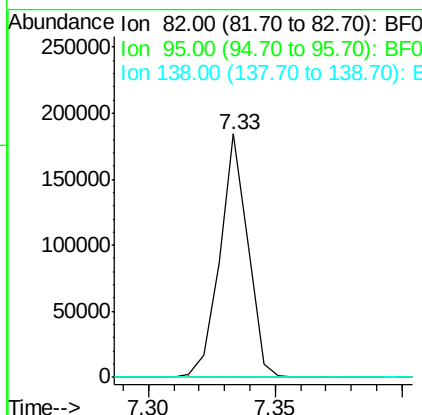
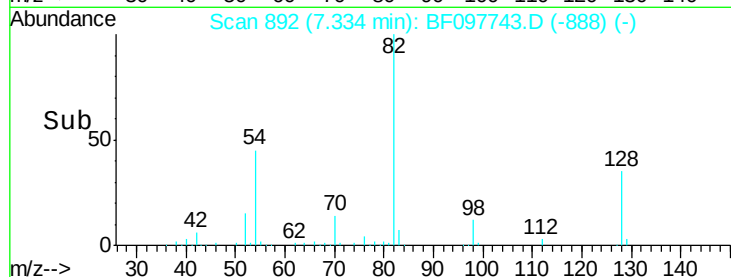
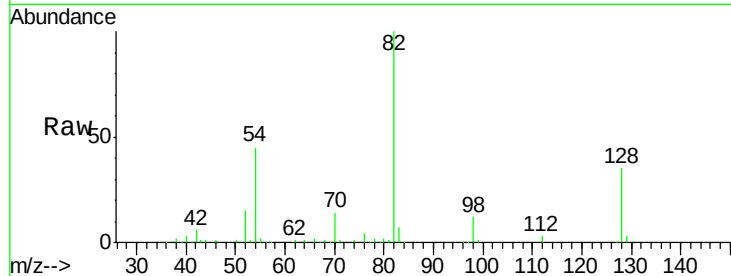
Time--> 7.30 7.35 7.40



#25
Isophorone
Concen: 6.20 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.28 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

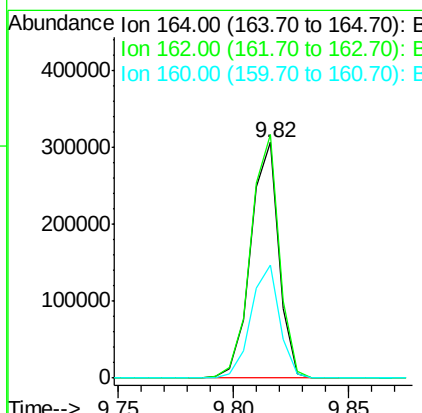
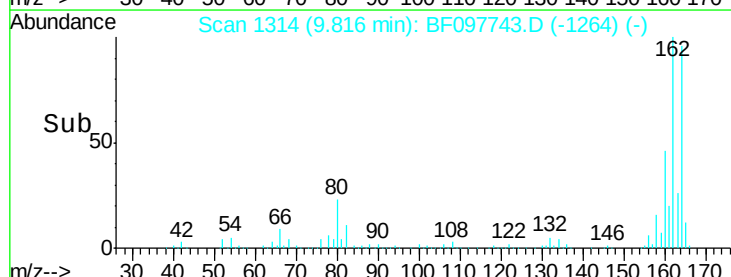
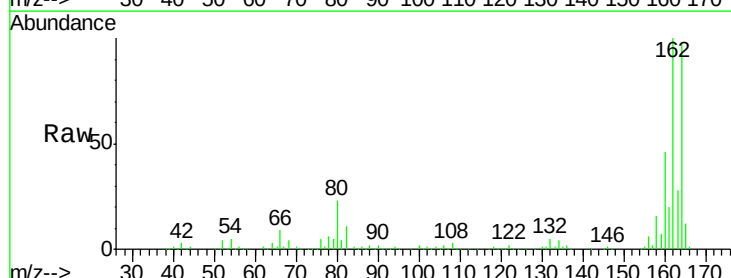
Instrument :
BNA_F
ClientSampleId :
S11-WC-2

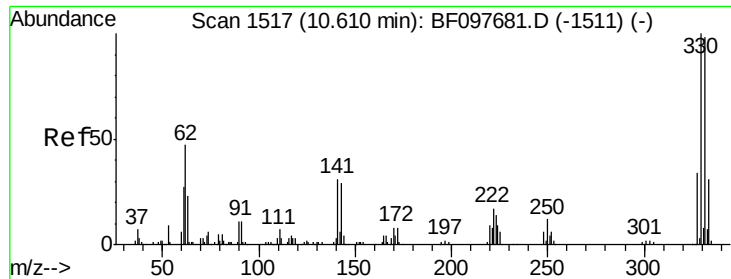
Tot Ion: 82 Resp: 140134
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion:164 Resp: 261102
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 47.9 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 18.44 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

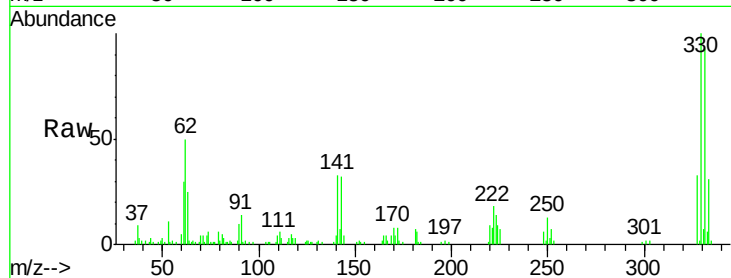
Tot Ion:330 Resp: 41781

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

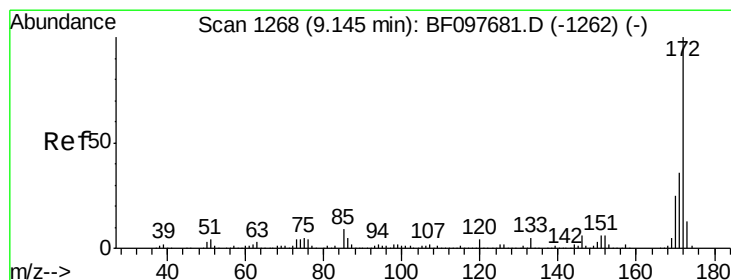
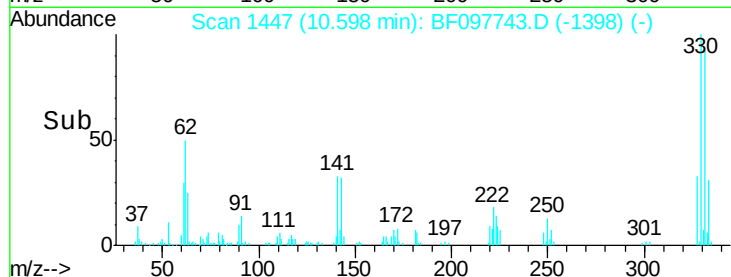
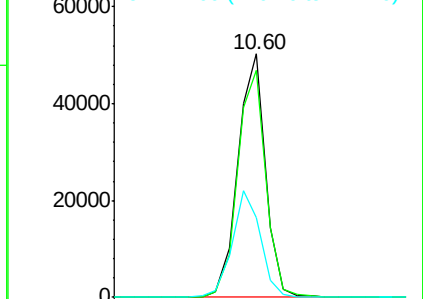
141 44.6 31.4 47.2



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: 12.22 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

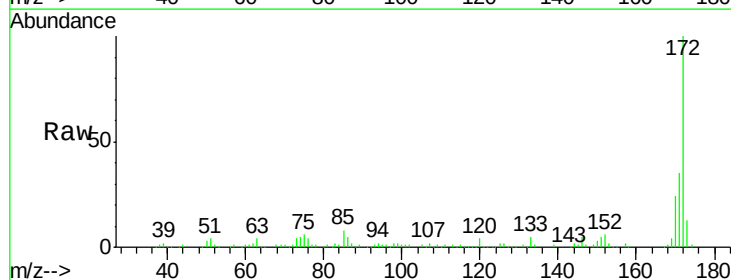
Tgt Ion:172 Resp: 217102

Ion Ratio Lower Upper

172 100

171 34.6 29.6 44.4

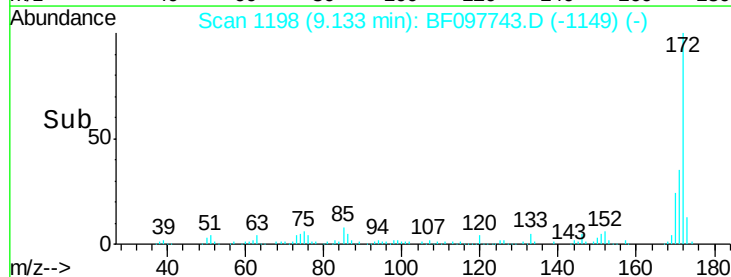
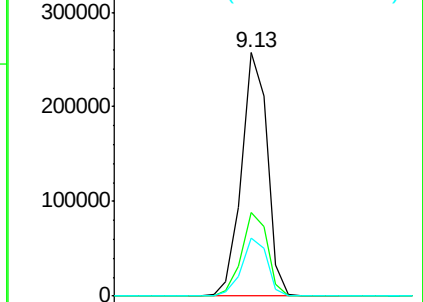
170 23.6 19.8 29.8

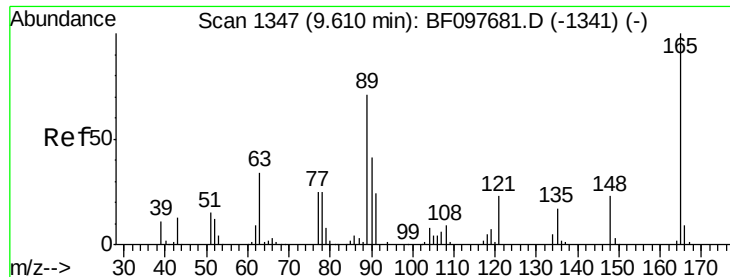


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

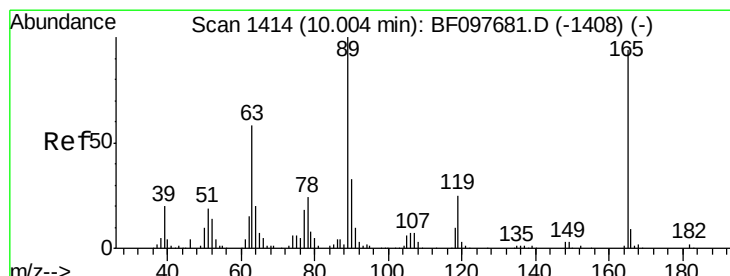
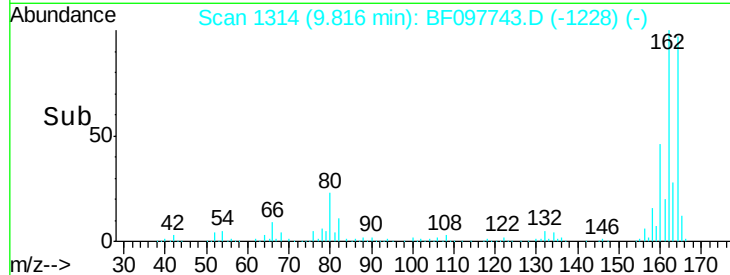
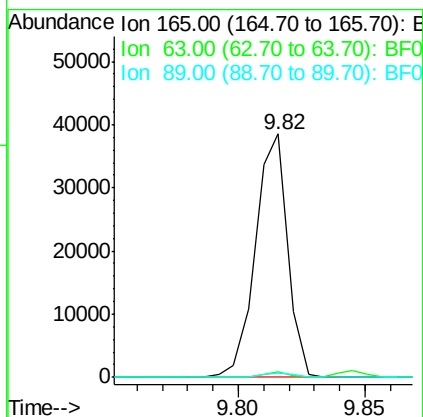
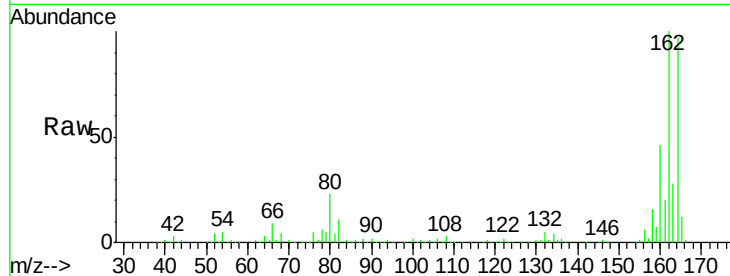




#50
 2,6-Dinitrotoluene
 Concen: 8.92 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

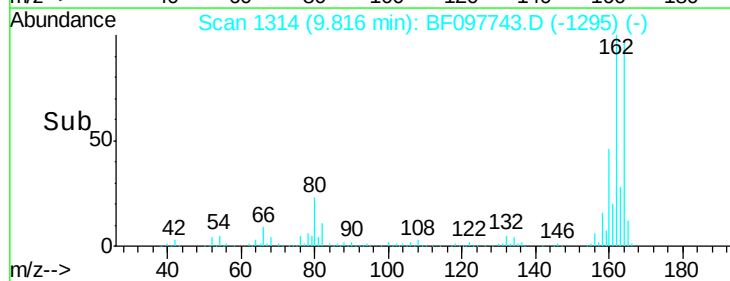
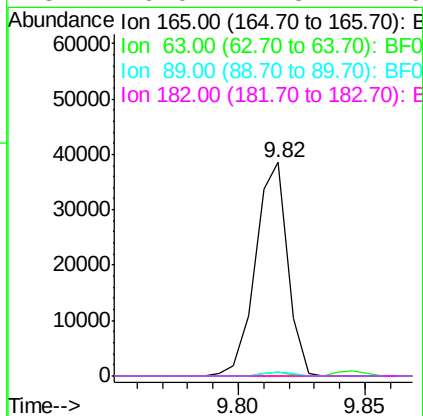
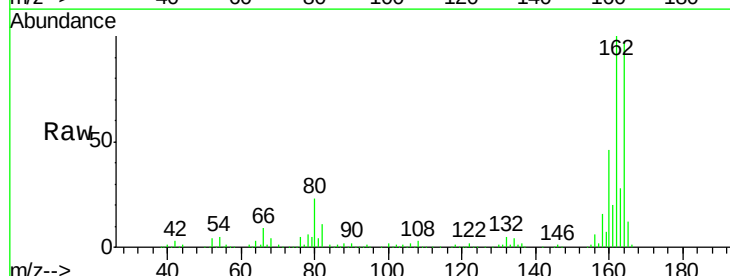
Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-2

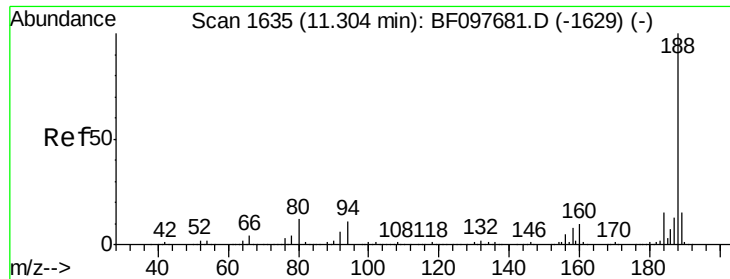
Tot Ion:165	Resp:	33976
Ion Ratio	Lower	Upper
165 100		
63 2.0	34.3	51.5#
89 1.9	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.11 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

Tgt Ion:165	Resp:	33976
Ion Ratio	Lower	Upper
165 100		
63 2.0	25.4	38.0#
89 1.9	46.4	69.6#
182 0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

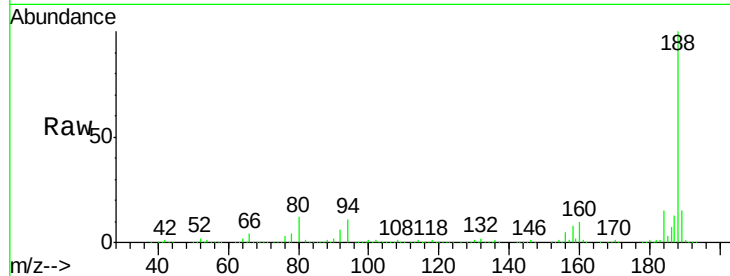
Tot Ion:188 Resp: 488075

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

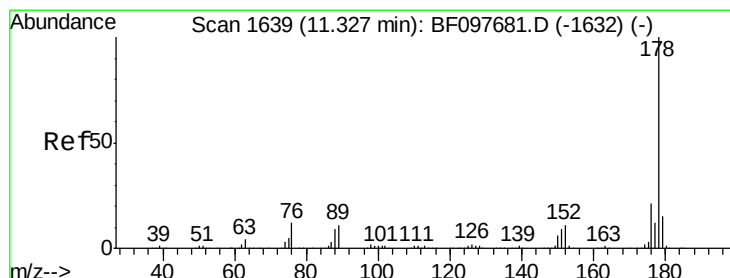
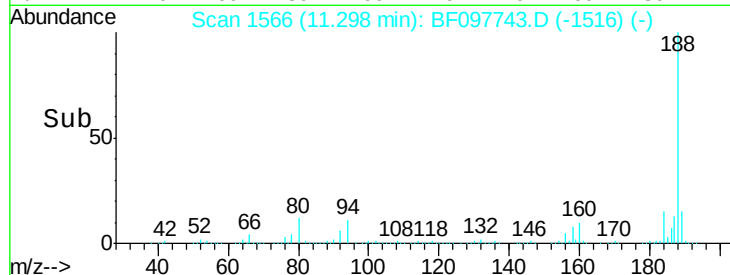
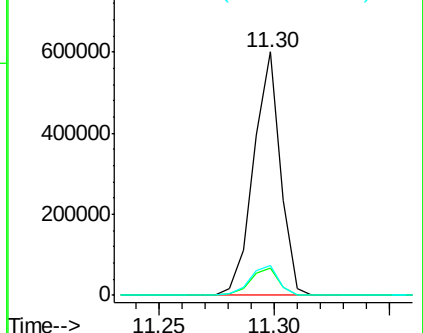
80 12.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.59 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

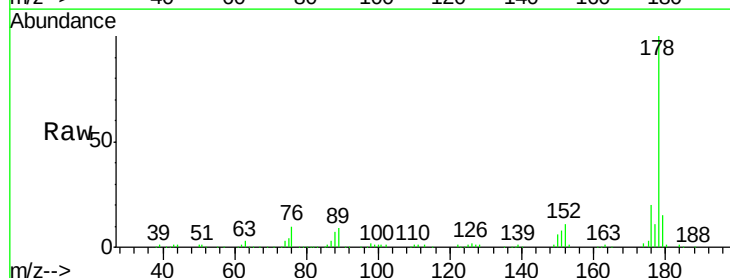
Tgt Ion:178 Resp: 171509

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

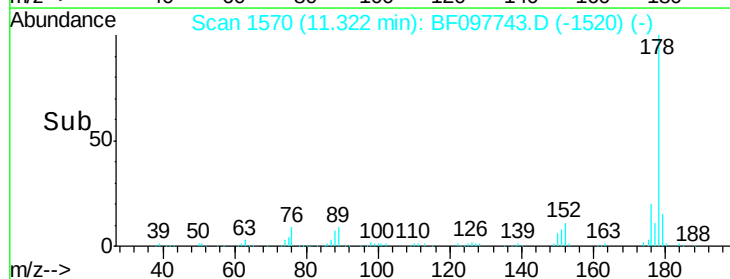
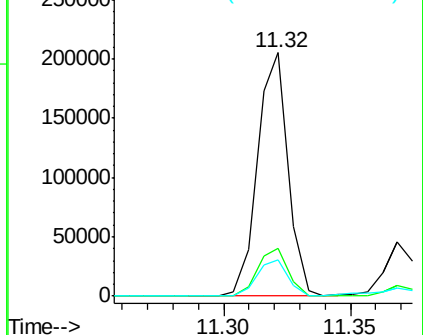
179 14.9 12.6 19.0

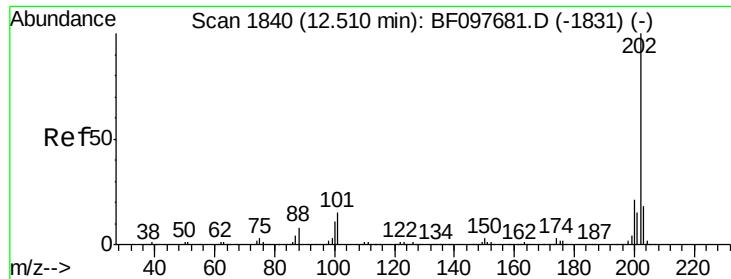


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.71 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampled :

S11-WC-2

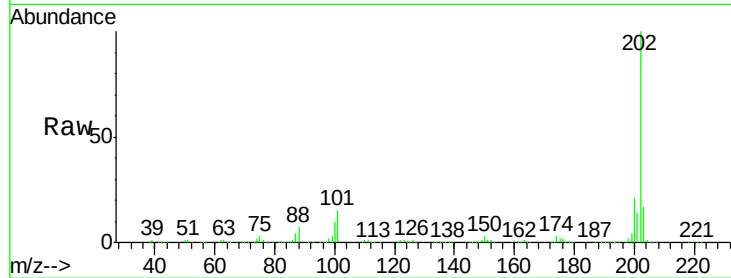
Tot Ion:202 Resp: 345150

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

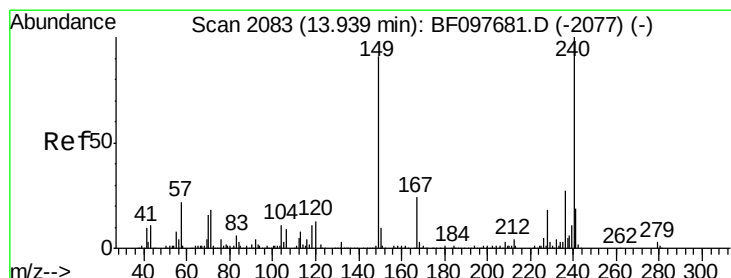
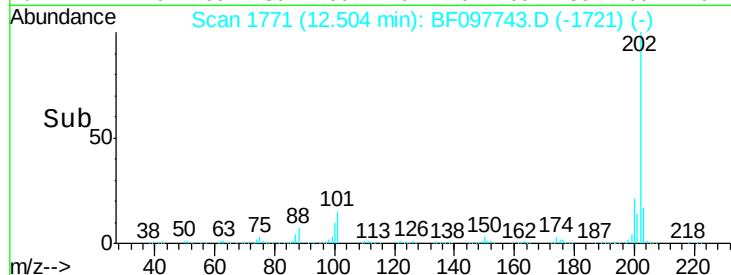
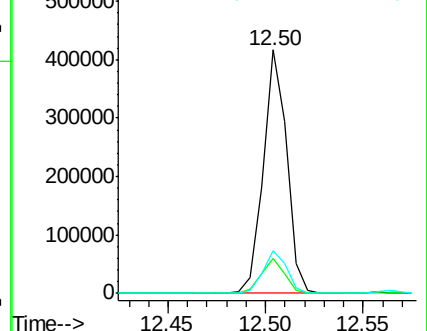
203 17.3 0.0 38.1



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: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

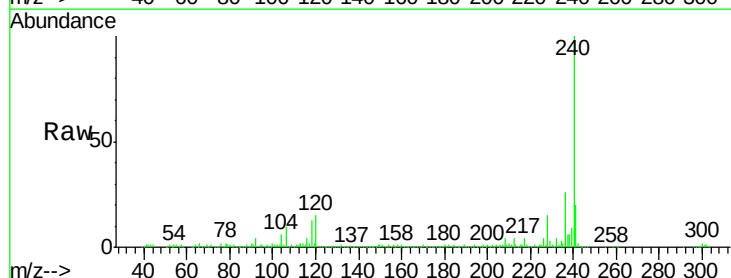
Tgt Ion:240 Resp: 313767

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

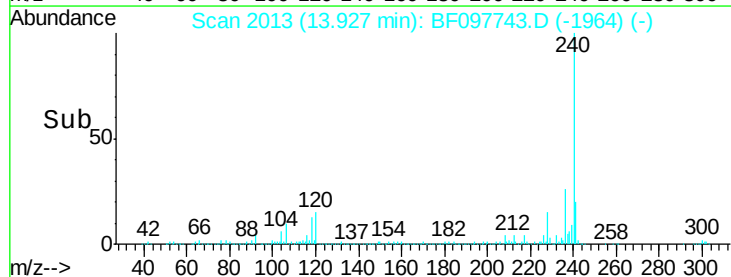
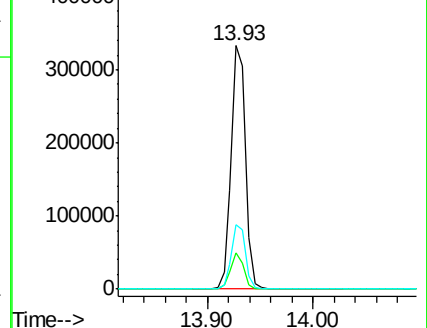
236 26.4 20.5 30.7

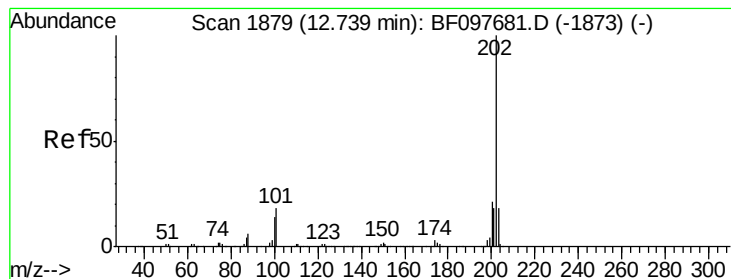


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.10 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

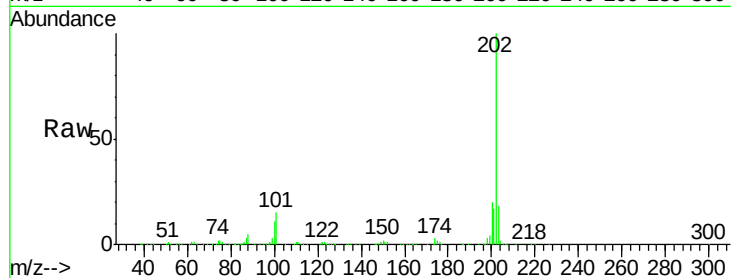
Tot Ion:202 Resp: 336248

Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

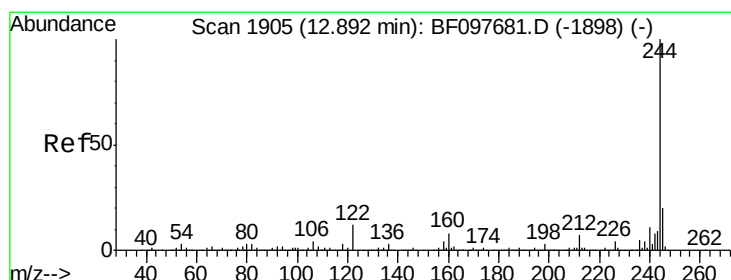
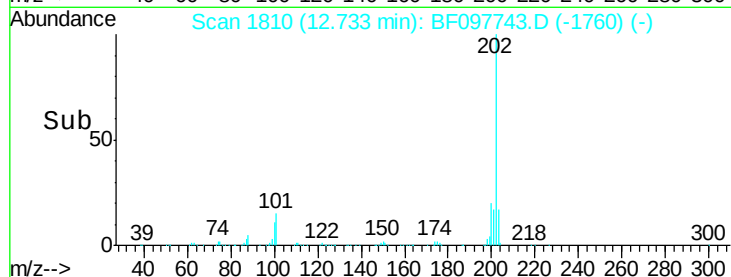
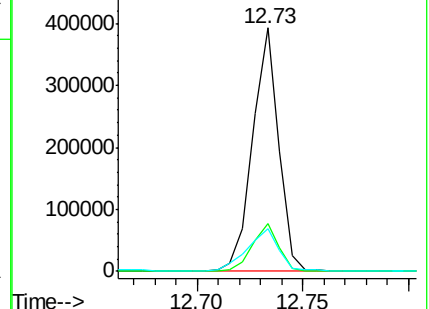
203 17.7 14.4 21.6



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: 11.60 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

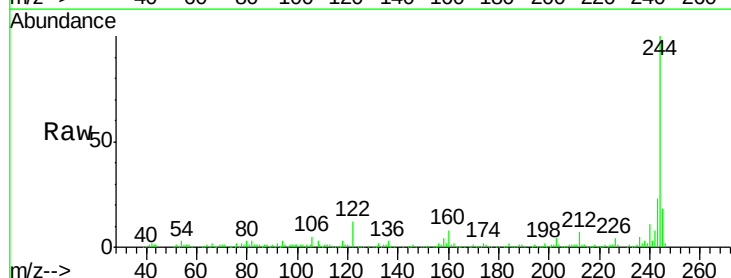
Tgt Ion:244 Resp: 174495

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

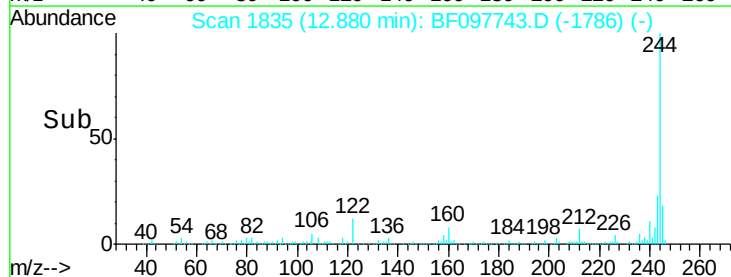
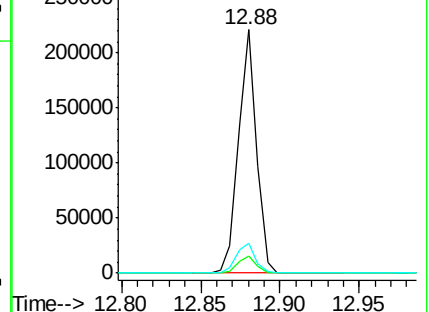
122 12.2 10.3 15.5

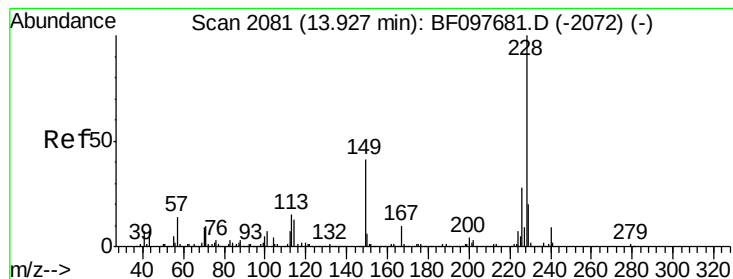


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.02 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

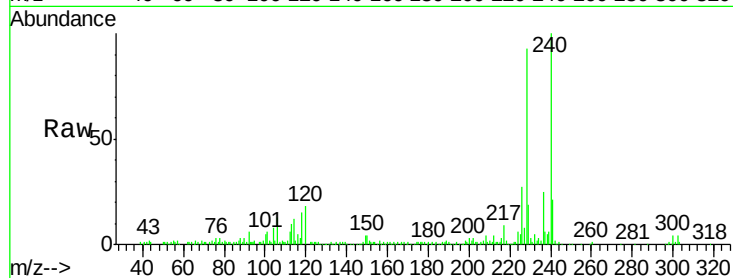
Tot Ion:228 Resp: 132069

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

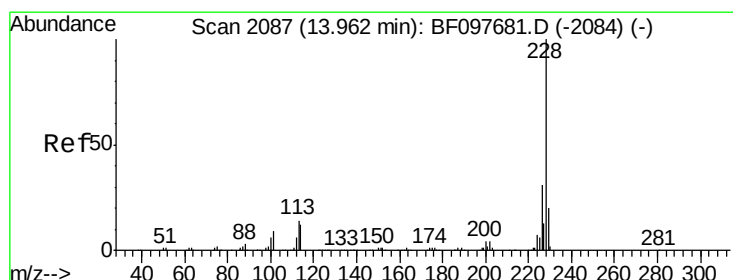
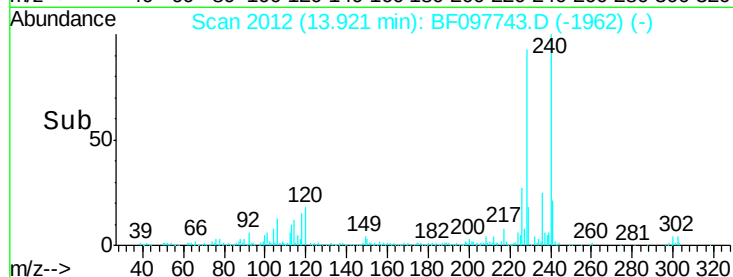
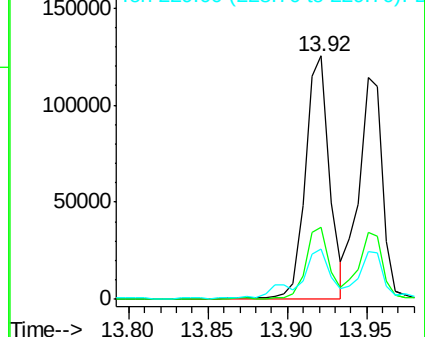
229 20.8 16.3 24.5



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: 6.45 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

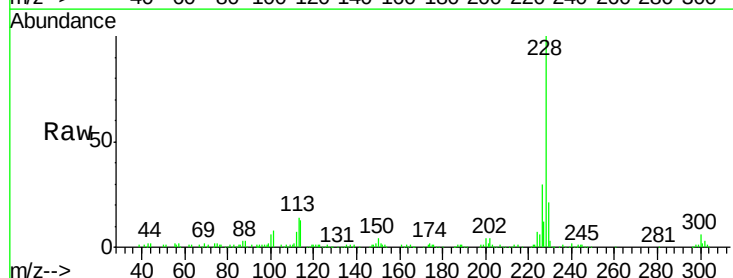
Tgt Ion:228 Resp: 120632

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

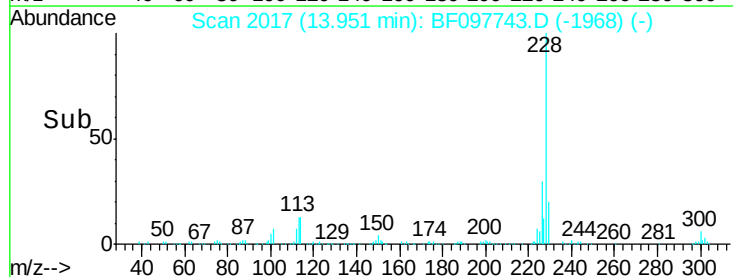
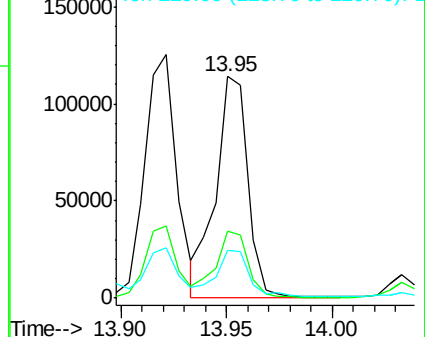
229 21.5 15.8 23.6

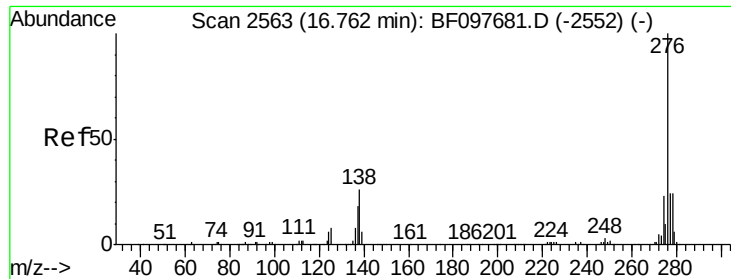


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

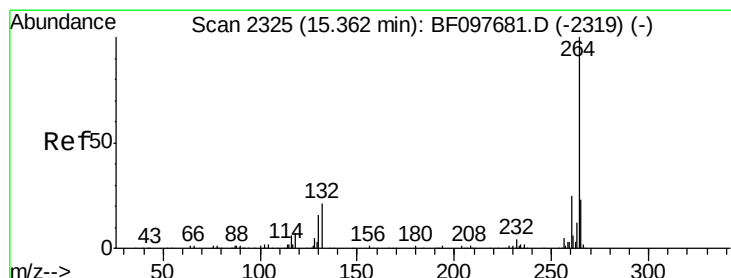
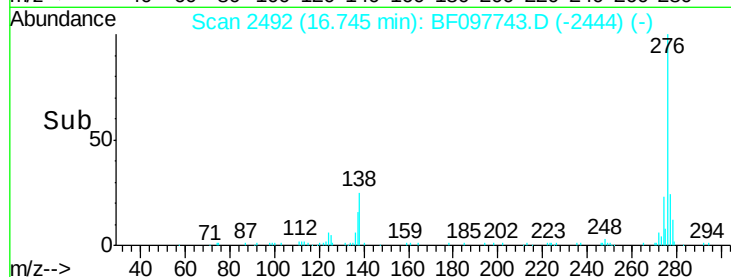
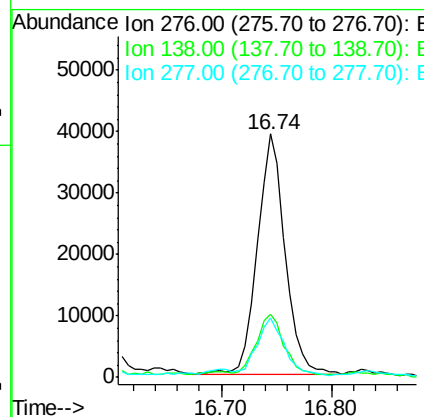
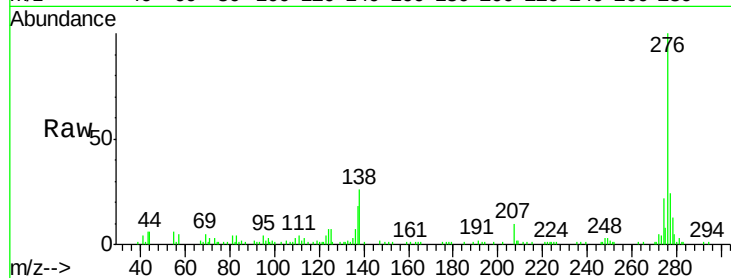




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.05 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. -0.02 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

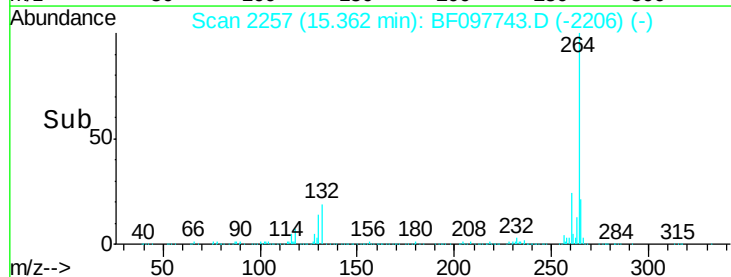
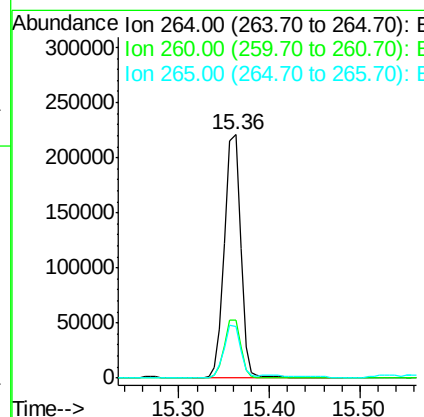
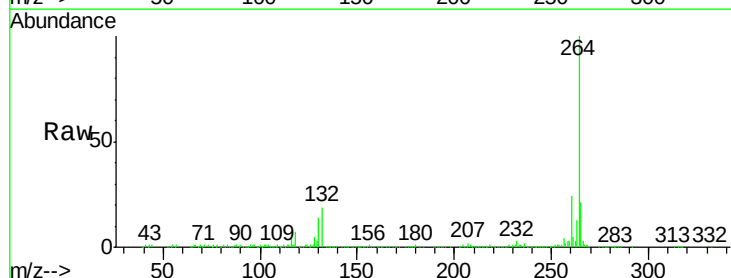
Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-2

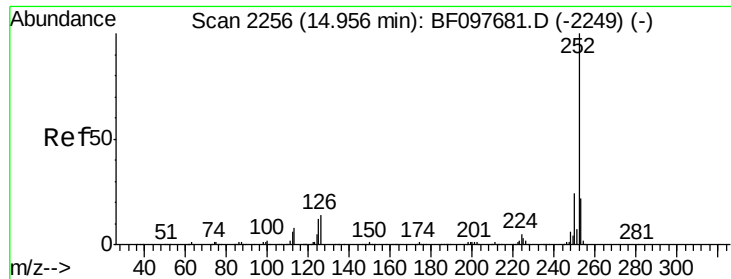
Tot Ion:276 Resp: 69550
 Ion Ratio Lower Upper
 276 100
 138 24.9 27.8 41.6#
 277 24.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. 0.00 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

Tgt Ion:264 Resp: 273754
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 21.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.61 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

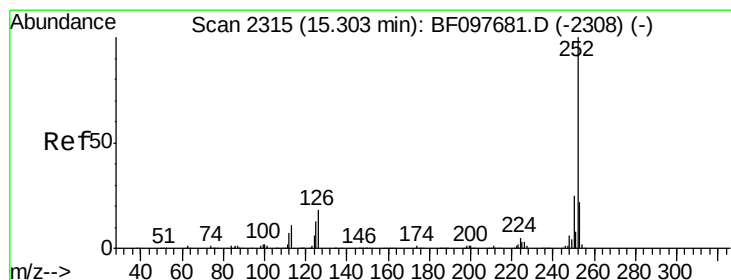
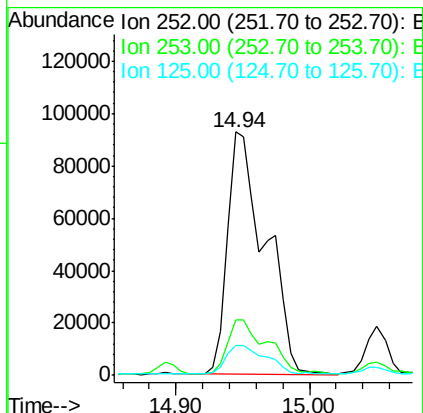
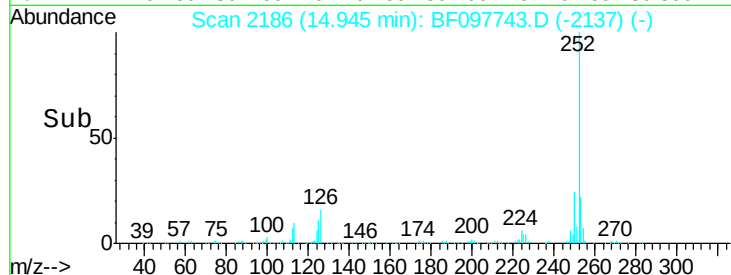
Tot Ion:252 Resp: 183134

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 12.0 9.8 14.8



#89

Benzo(a)pyrene

Concen: 6.92 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

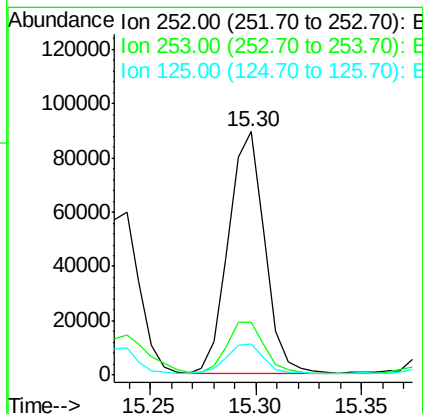
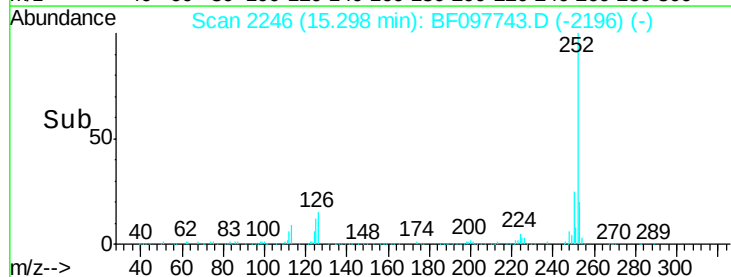
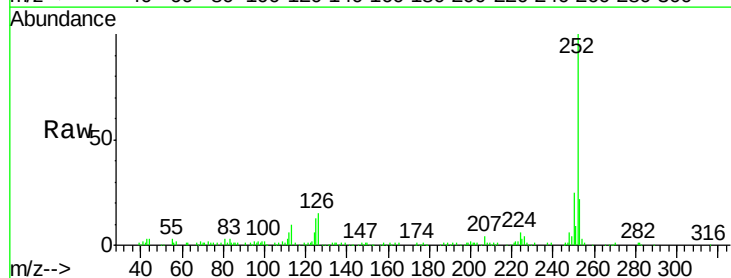
Tgt Ion:252 Resp: 105721

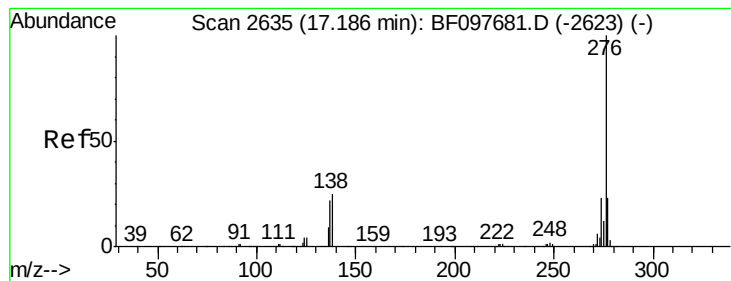
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 12.7 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 5.33 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.02 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

S11-WC-2

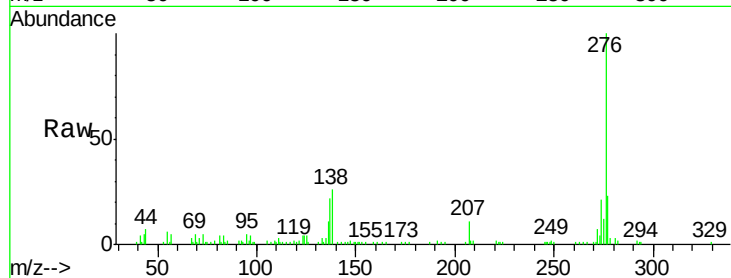
Tot Ion: 276 Resp: 69179

Ion Ratio Lower Upper

276 100

277 23.3 18.6 28.0

138 25.6 25.4 38.0



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

