

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097938.D
 Acq On : 22 Aug 2017 7:06
 Operator : SJ/JU
 Sample : I4872-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

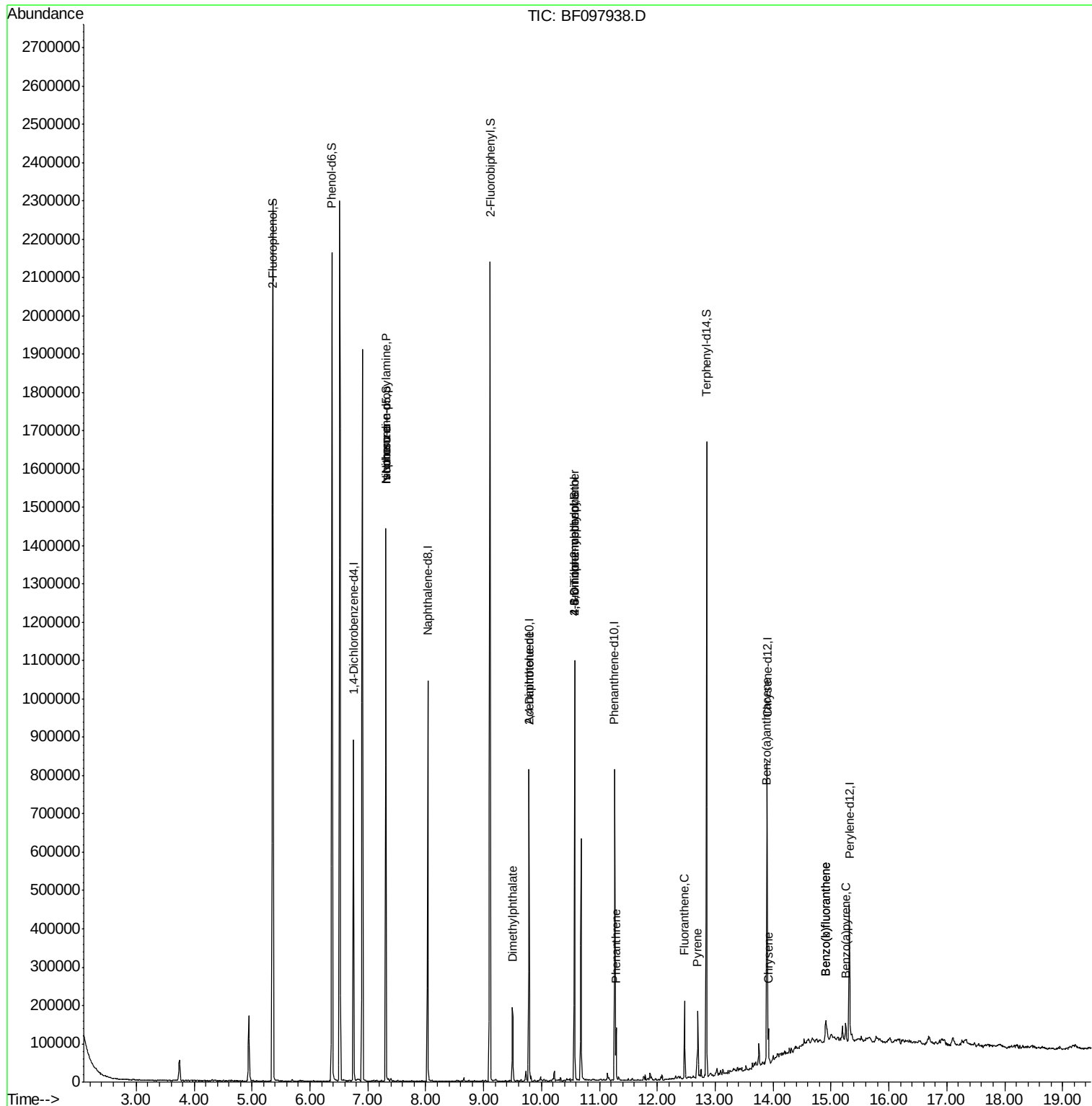
Quant Time: Aug 22 07:48:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

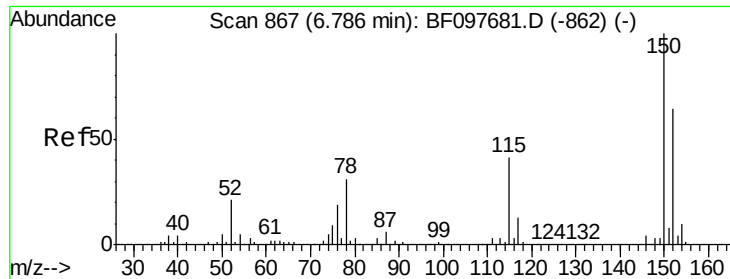
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	119004	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	425004	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	155920	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	272460	20.00	ng	0.00
75) Chrysene-d12	13.90	240	231619	20.00	ng	0.00
86) Perylene-d12	15.32	264	154783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	631979	80.78	ng	0.00
7) Phenol-d6	6.38	99	833086	78.37	ng	0.00
23) Nitrobenzene-d5	7.31	82	471834	60.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	102707	75.92	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	646084	60.88	ng	0.00
78) Terphenyl-d14	12.85	244	462464	41.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	63222	8.69	ng	# 73
25) Isophorone	7.31	82	463001	28.46	ng	# 67
49) Dimethylphthalate	9.50	163	67806	5.95	ng	100
56) 2,4-Dinitrotoluene	9.78	165	19770	6.92	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.57	198	139	8.41	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	7144	2.52	ng	# 1
70) Phenanthrene	11.29	178	41151	2.83	ng	99
74) Fluoranthene	12.47	202	72526	4.79	ng	97
77) Pyrene	12.70	202	66378	3.50	ng	97
80) Benzo(a)anthracene	13.89	228	29186	2.10	ng	94
82) Chrysene	13.92	228	28014	2.03	ng	98
87) Benzo(b)fluoranthene	14.91	252	38493	3.95	ng	# 94
88) Benzo(k)fluoranthene	14.91	252	38493	4.20	ng	98
89) Benzo(a)pyrene	15.26	252	20528	2.38	ng	98

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

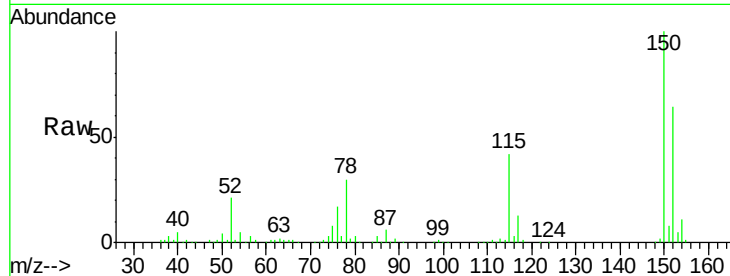
Tot Ion:152 Resp: 119004

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

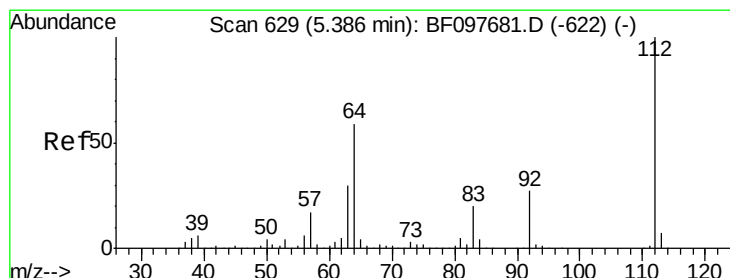
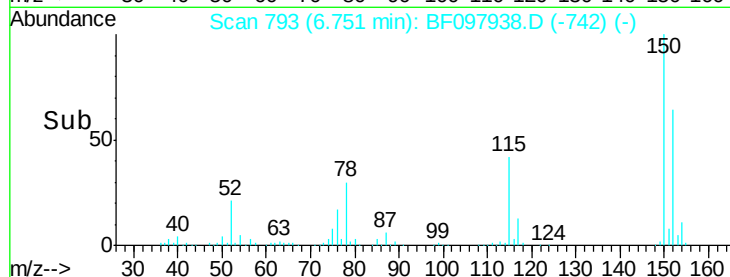
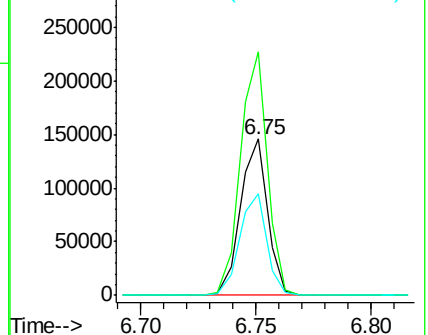
115 64.8 52.2 78.2



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: 80.78 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

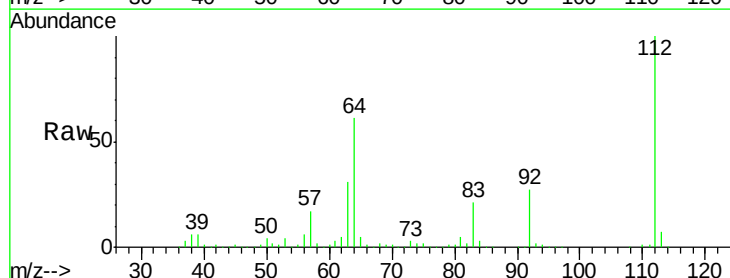
Tgt Ion:112 Resp: 631979

Ion Ratio Lower Upper

112 100

64 60.6 46.0 69.0

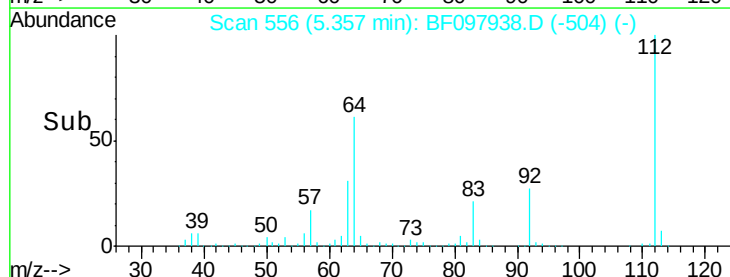
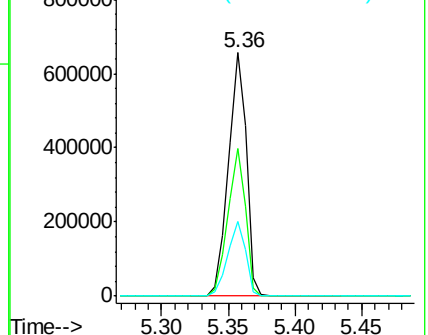
63 30.7 23.4 35.0

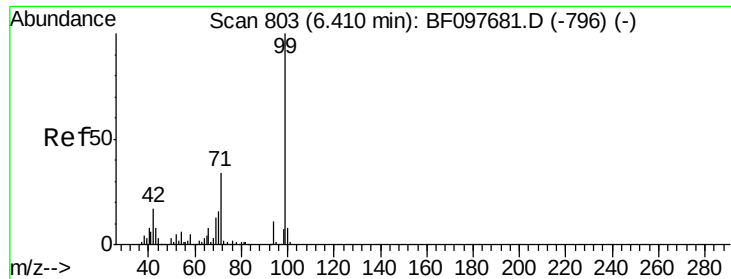


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.37 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

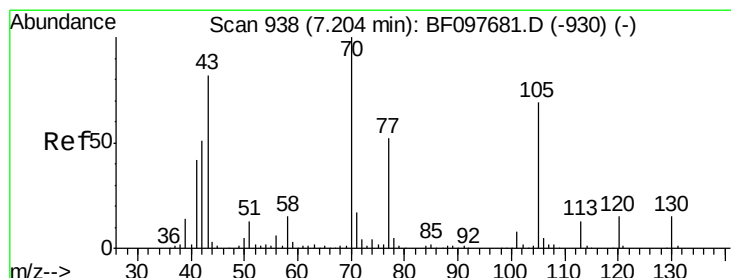
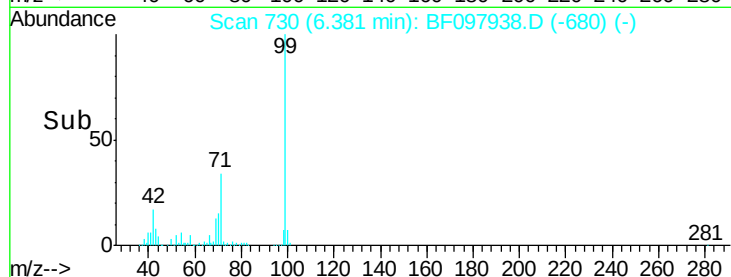
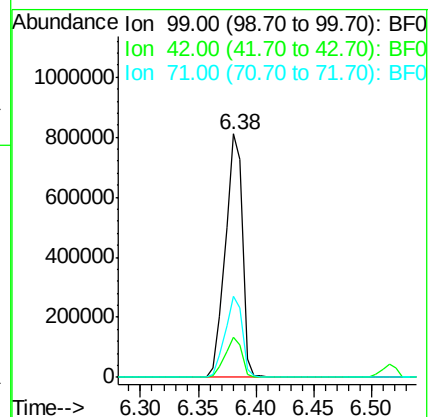
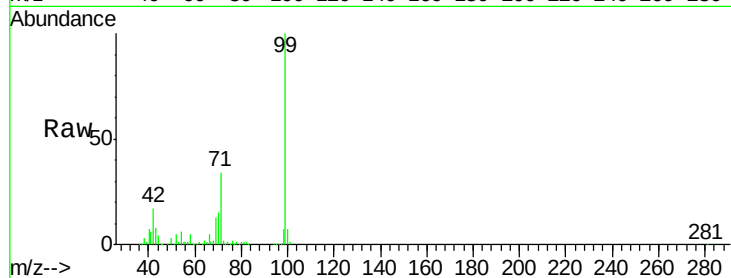
Tot Ion: 99 Resp: 833086

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 33.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.69 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Tgt Ion: 70 Resp: 63222

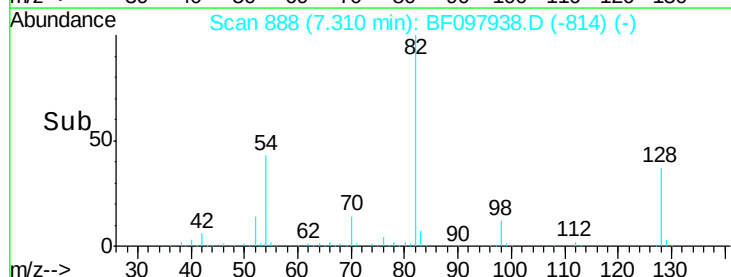
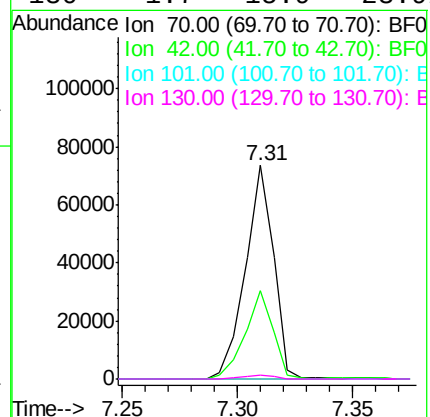
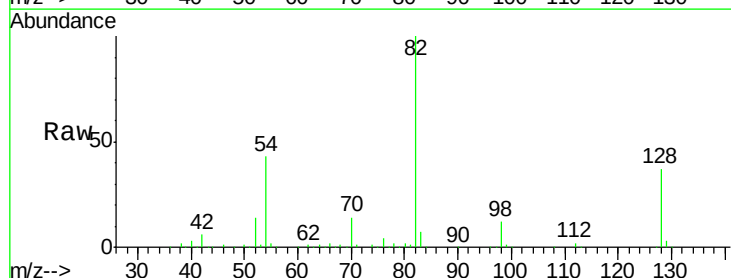
Ion Ratio Lower Upper

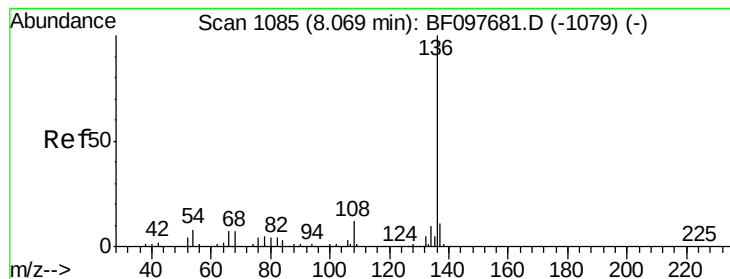
70 100

42 41.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tot Ion:136 Resp: 425004

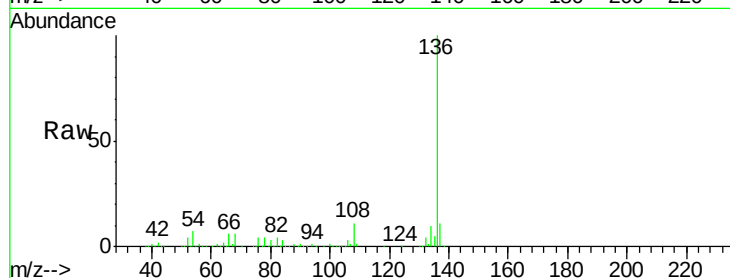
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 7.2 4.9 7.3

68 6.4 4.1 6.1#

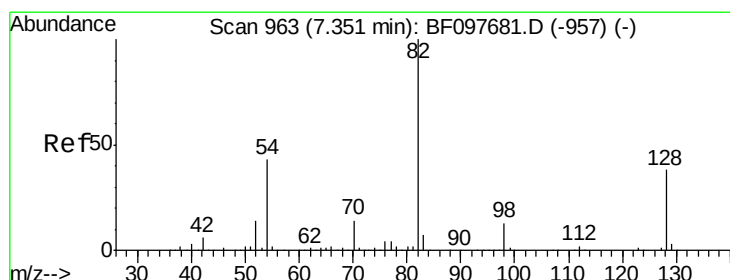
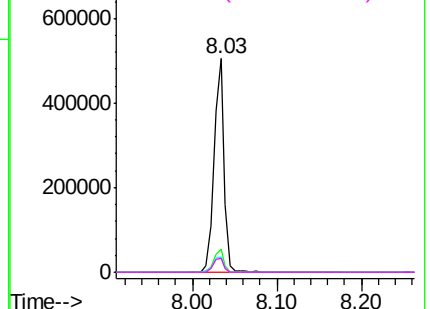
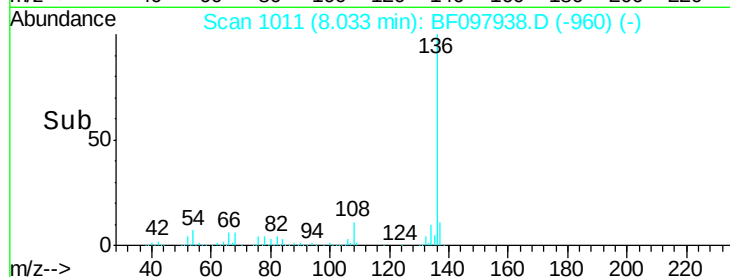


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 60.31 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

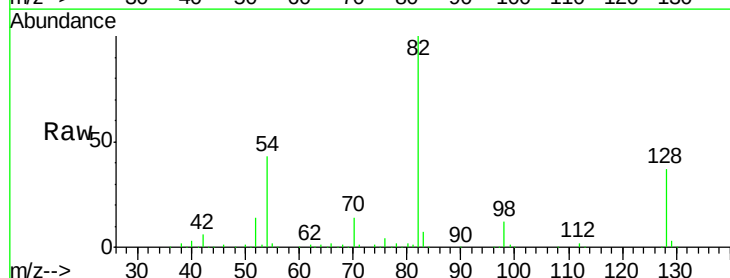
Tgt Ion: 82 Resp: 471834

Ion Ratio Lower Upper

82 100

128 37.4 34.0 51.0

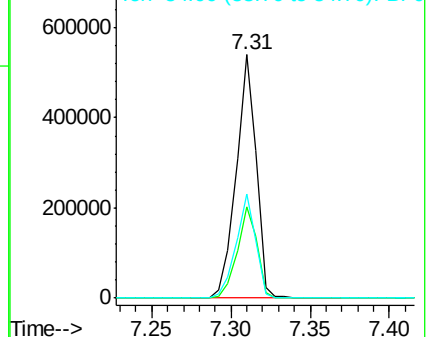
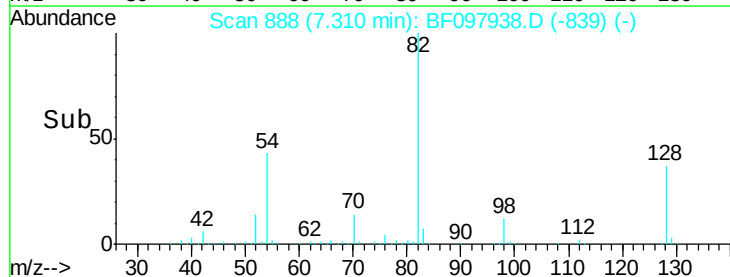
54 42.7 42.2 63.2

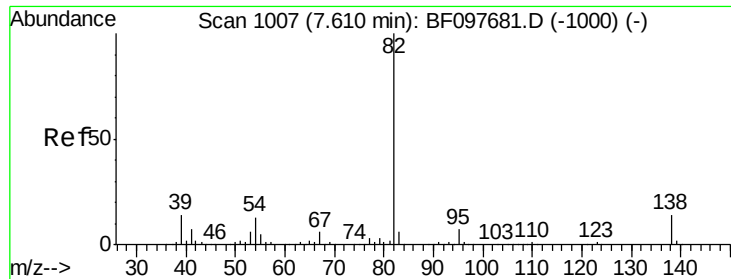


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.46 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

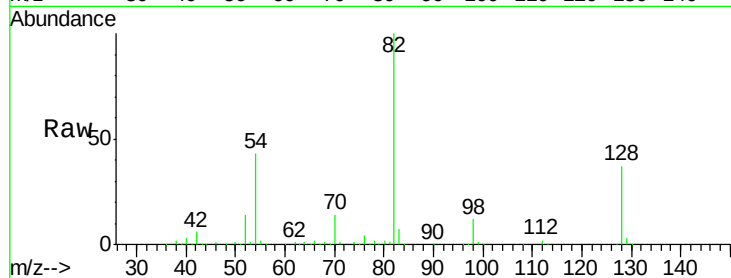
Tot Ion: 82 Resp: 463001

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

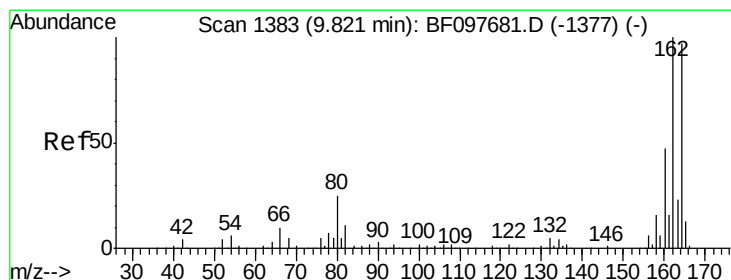
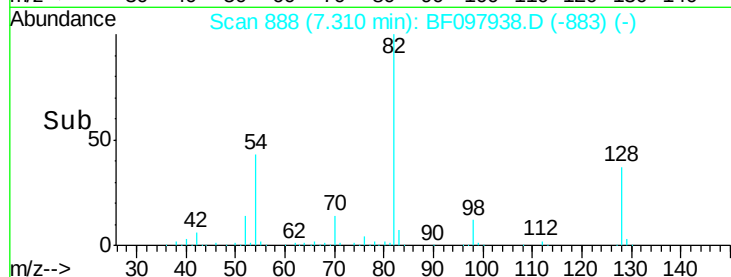
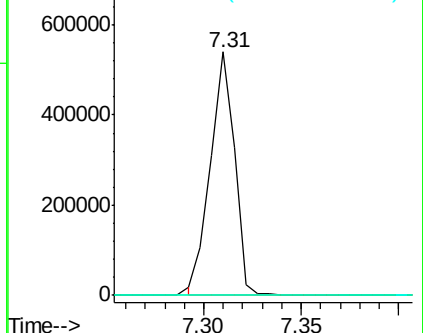
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

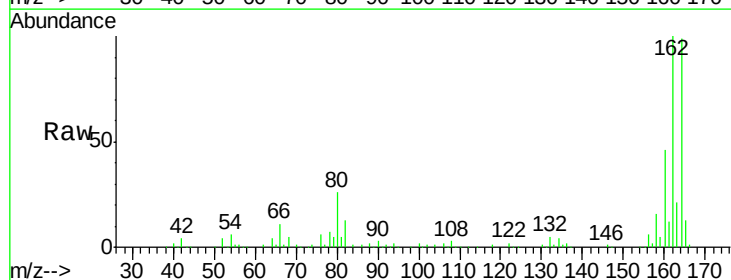
Tgt Ion: 164 Resp: 155920

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

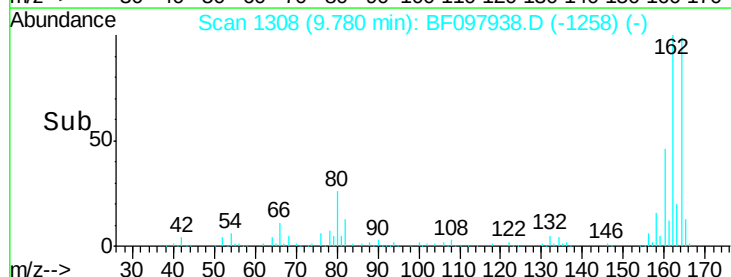
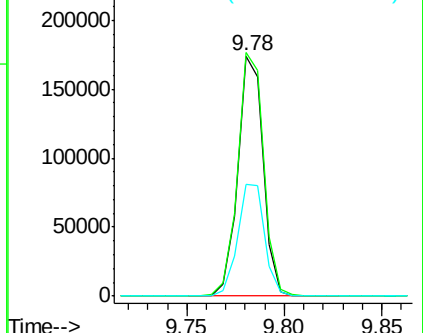
160 46.4 36.2 54.2

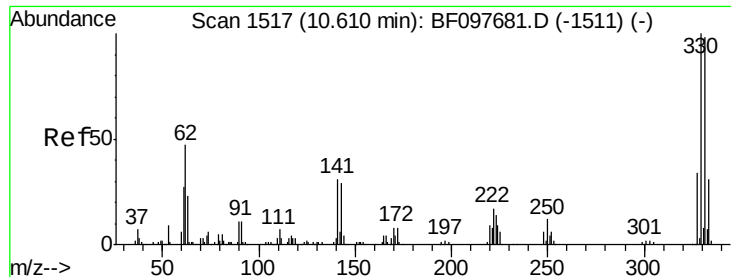


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 75.92 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

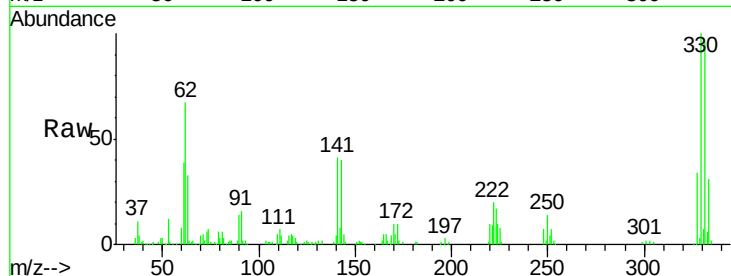
Tot Ion:330 Resp: 102707

Ion Ratio Lower Upper

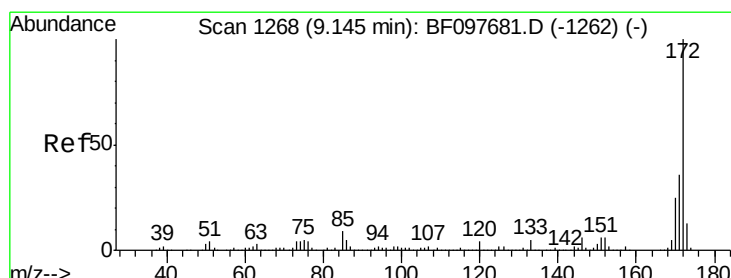
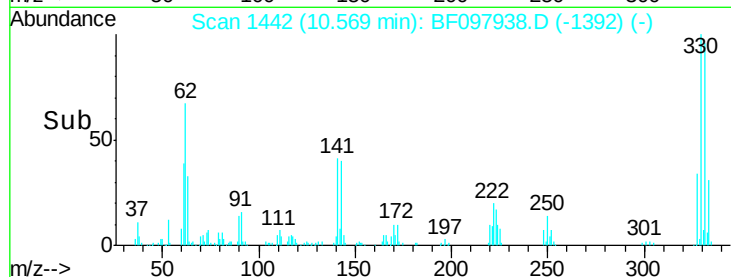
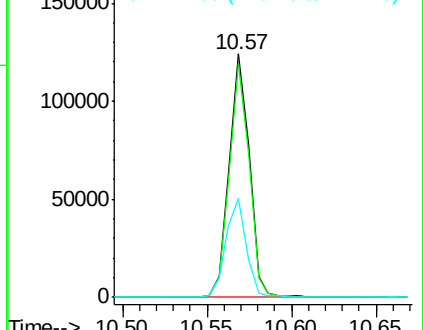
330 100

332 94.4 76.6 115.0

141 41.5 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: 60.88 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

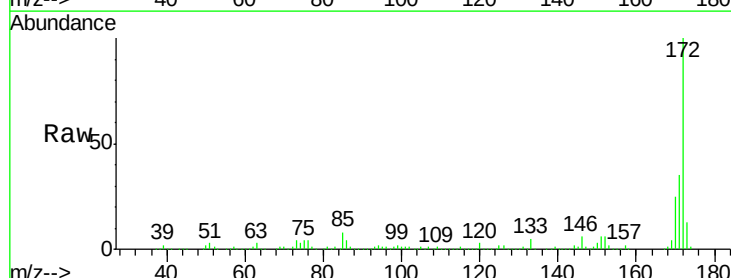
Tgt Ion:172 Resp: 646084

Ion Ratio Lower Upper

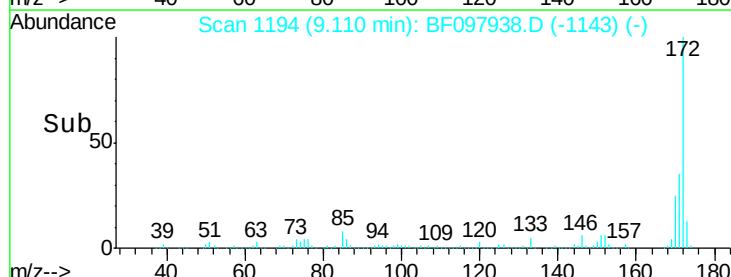
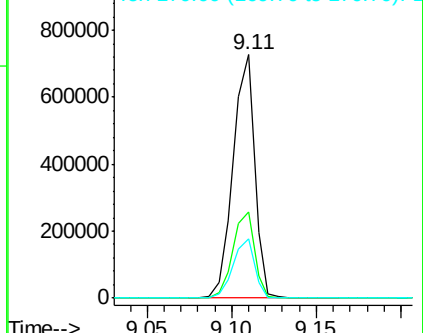
172 100

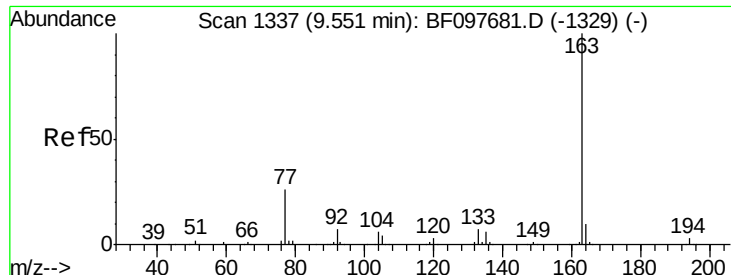
171 35.4 29.6 44.4

170 24.5 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

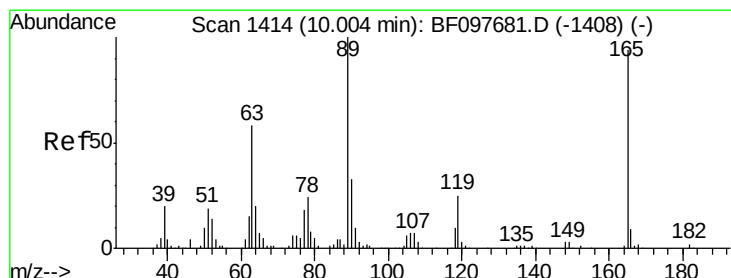
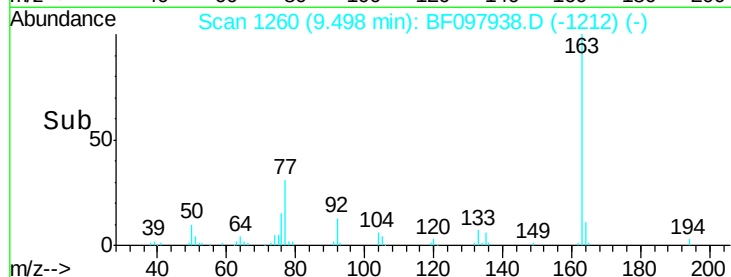
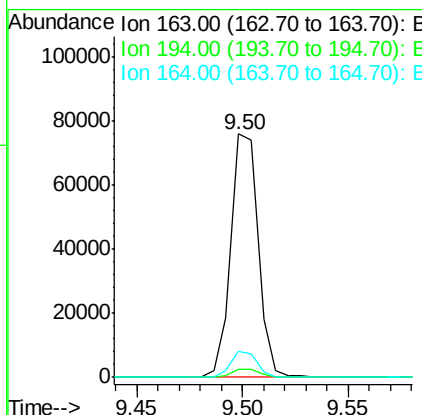
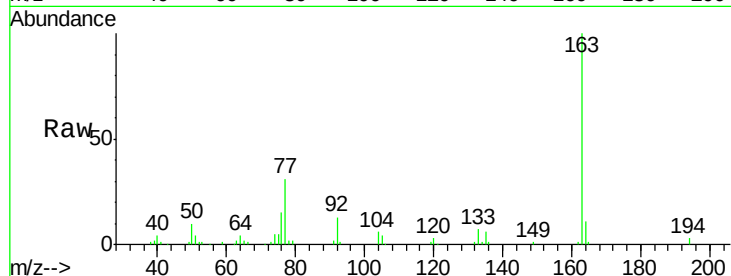




#49
Dimethylphthalate
Concen: 5.95 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

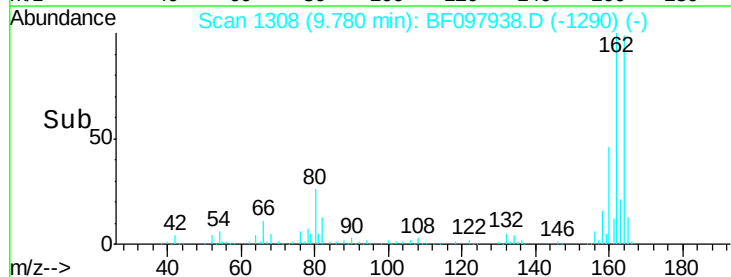
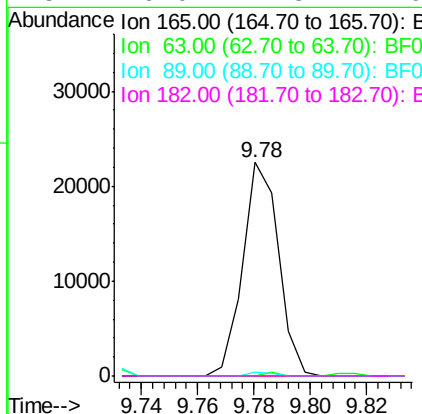
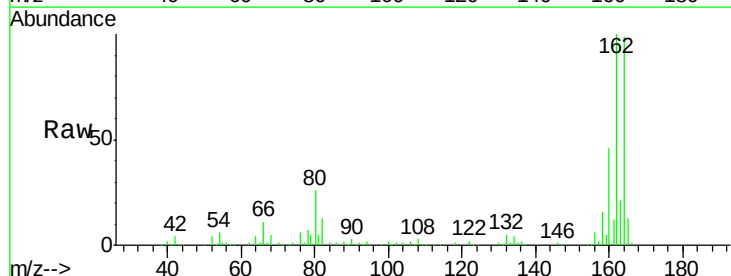
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

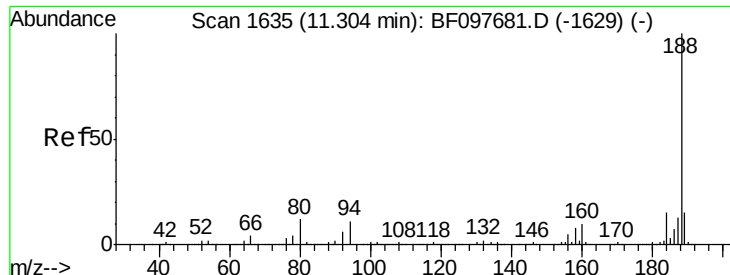
Tot Ion:163 Resp: 67806
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.6 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.92 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Tgt Ion:165 Resp: 19770
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 1.6 46.4 69.6#
182 0.0 1.8 2.6#

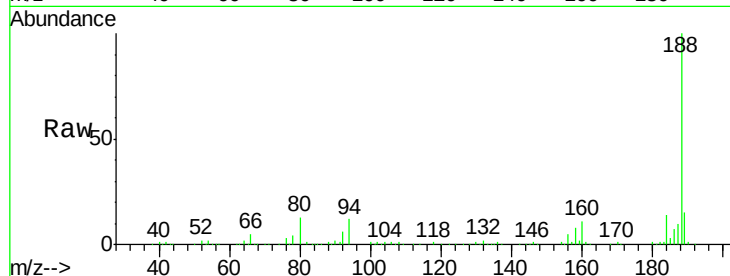




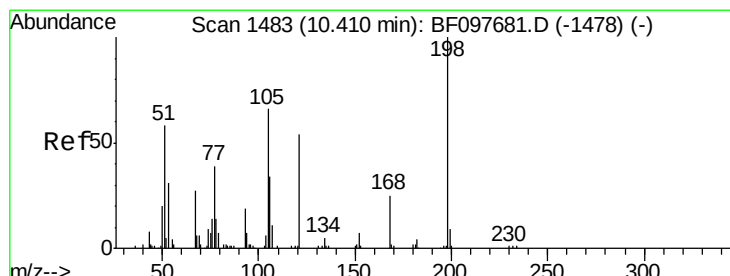
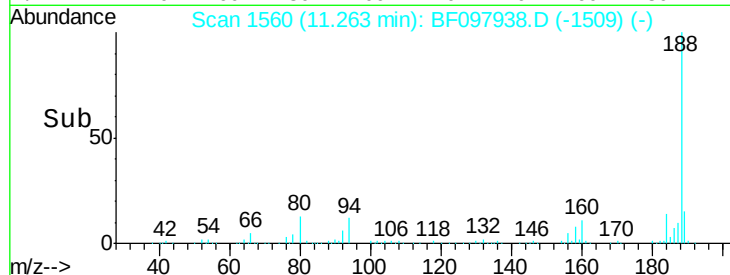
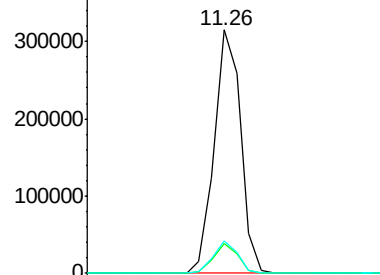
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tot Ion:188 Resp: 272460
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 13.3 10.2 15.2

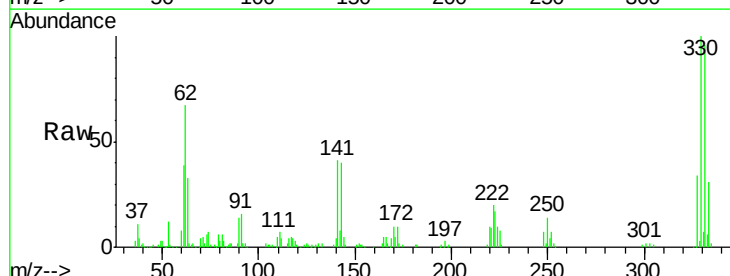


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

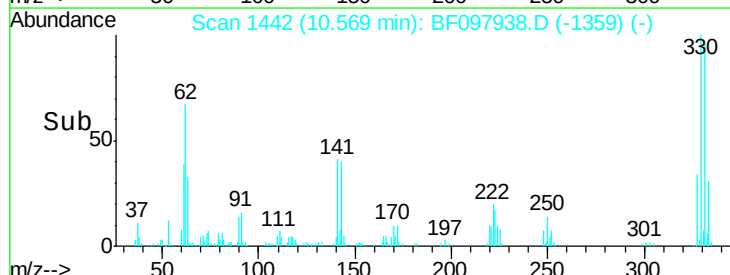
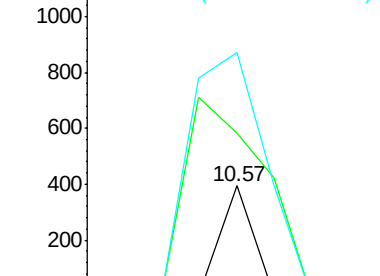


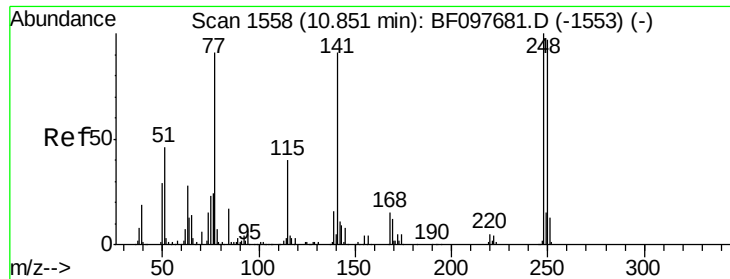
#64
4,6-Dinitro-2-methylphenol
Concen: 8.41 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Tgt Ion:198 Resp: 139
Ion Ratio Lower Upper
198 100
51 147.7 53.2 93.2#
105 221.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

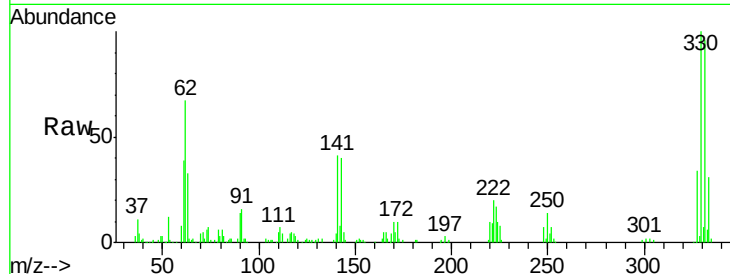




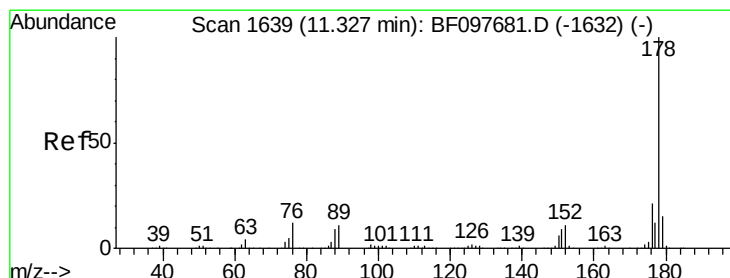
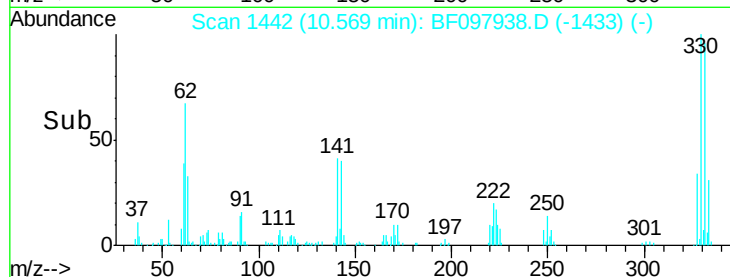
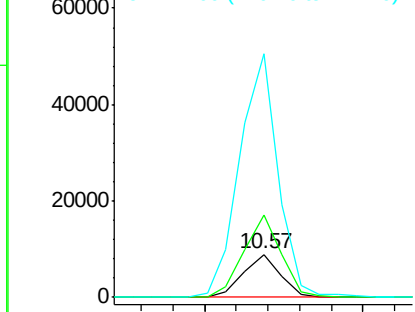
#66
 4-Bromophenyl-phenylether
 Concen: 2.52 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097938.D
 Acq: 22 Aug 2017 7:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tot Ion:248 Resp: 7144
 Ion Ratio Lower Upper
 248 100
 250 191.5 76.8 115.2#
 141 566.5 68.6 103.0#

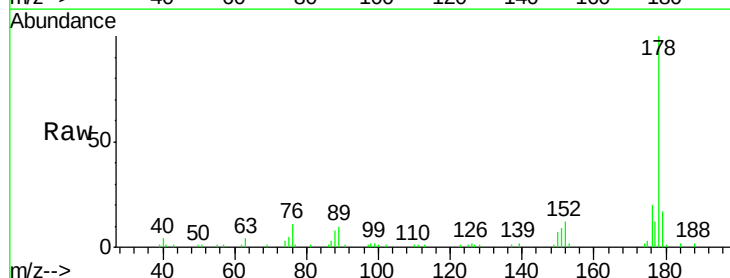


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

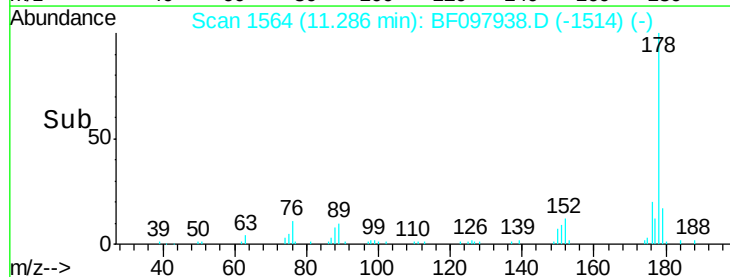
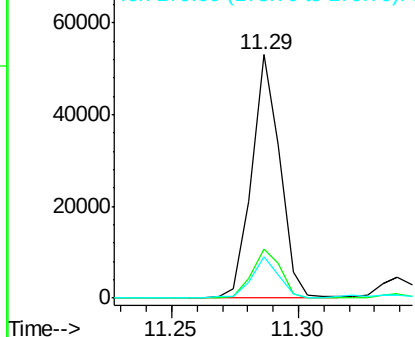


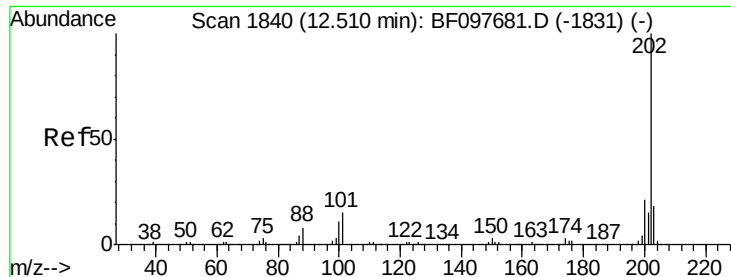
#70
 Phenanthrene
 Concen: 2.83 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097938.D
 Acq: 22 Aug 2017 7:06

Tgt Ion:178 Resp: 41151
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 16.9 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: 4.79 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

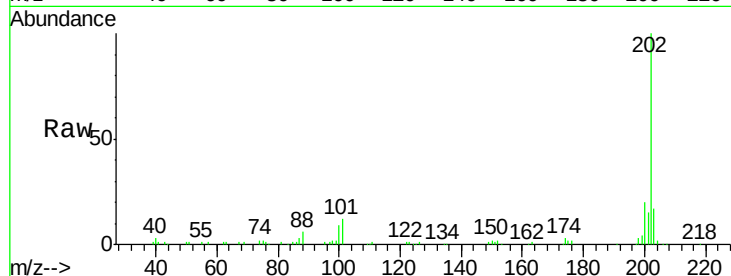
Tot Ion:202 Resp: 72526

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

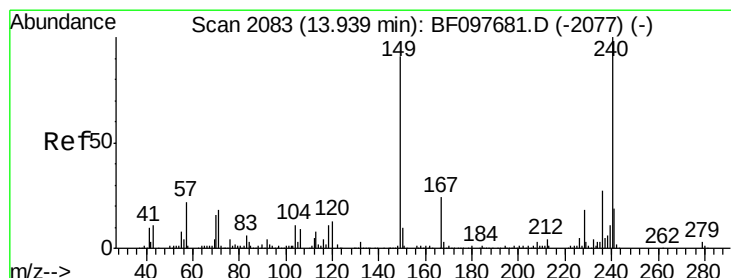
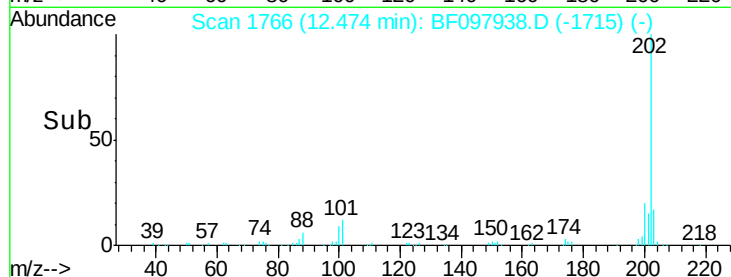
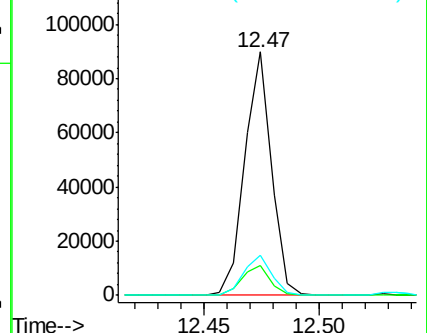
203 16.5 0.0 38.1



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: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

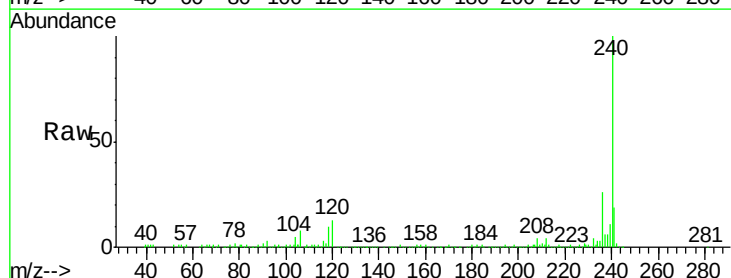
Tgt Ion:240 Resp: 231619

Ion Ratio Lower Upper

240 100

120 12.7 5.8 8.8#

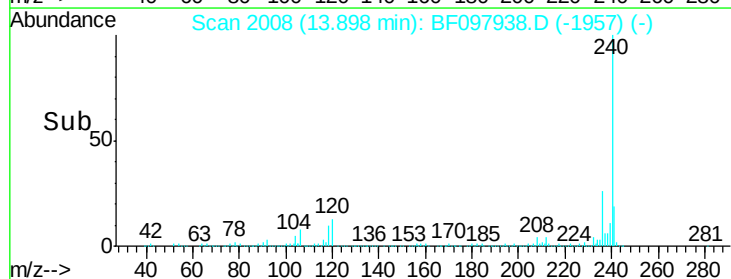
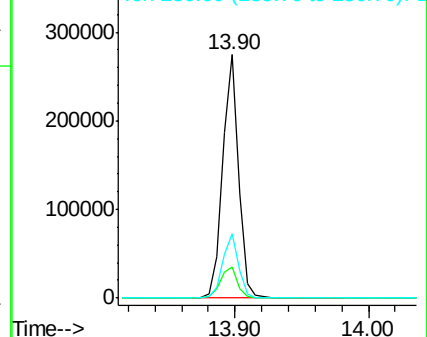
236 26.3 20.5 30.7

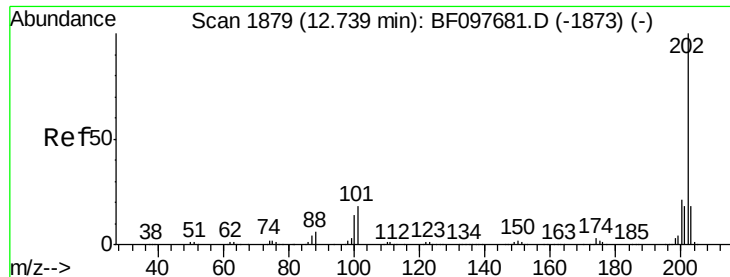


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

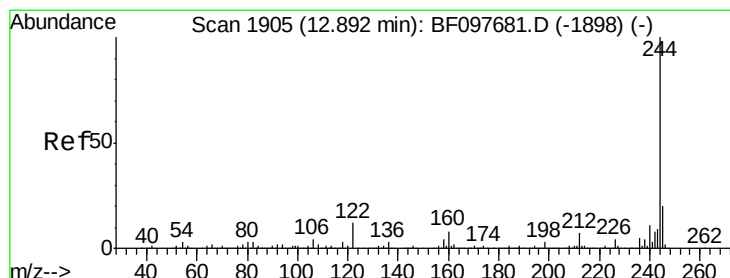
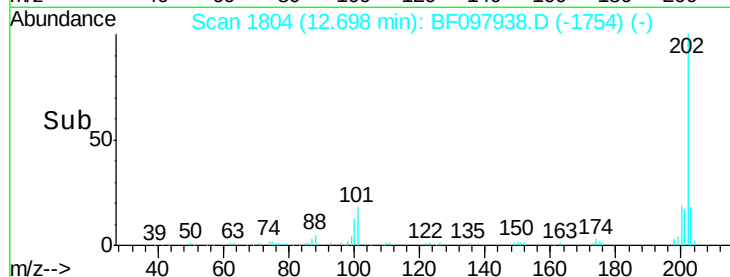
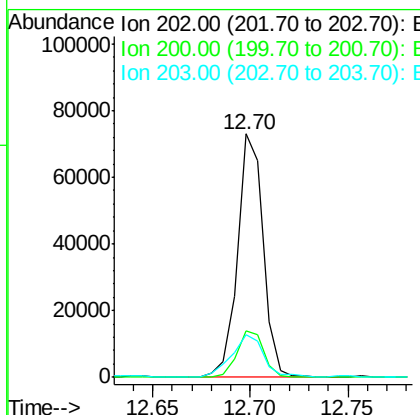
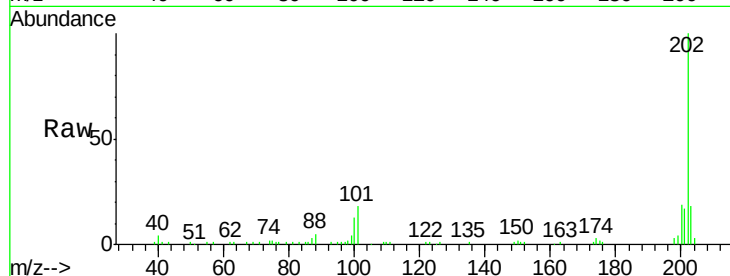




#77
Pvrene
Concen: 3.50 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

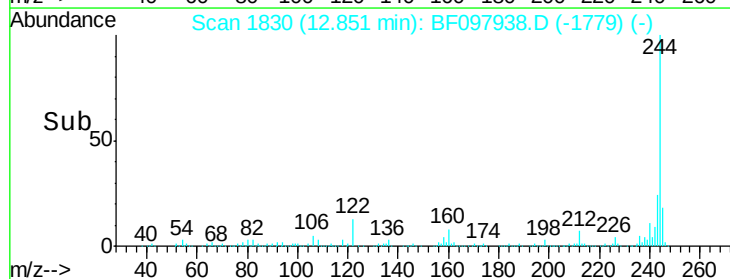
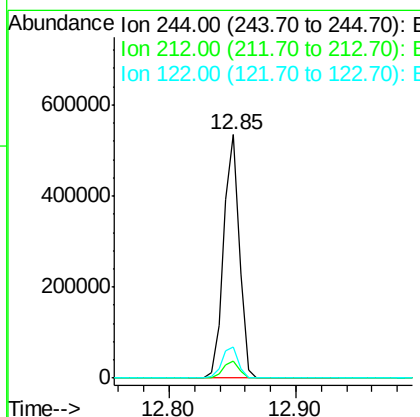
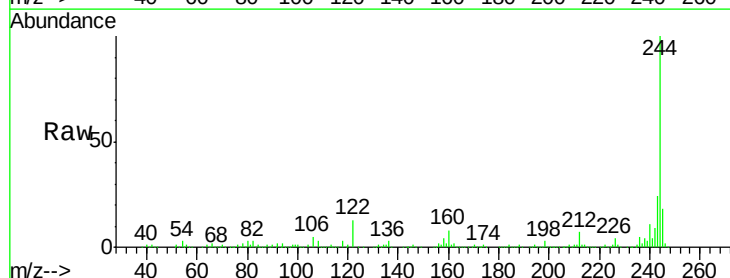
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

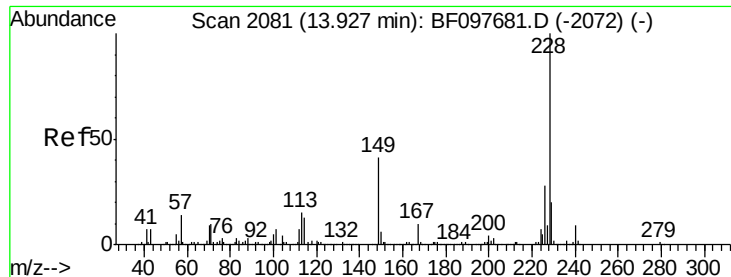
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.6	26.4
203	17.8	14.4	21.6



#78
Terphenyl-d14
Concen: 41.64 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.6	10.3	15.5





#80

Benzo(a)anthracene

Concen: 2.10 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

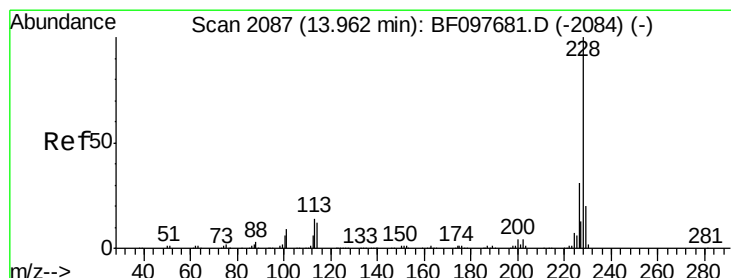
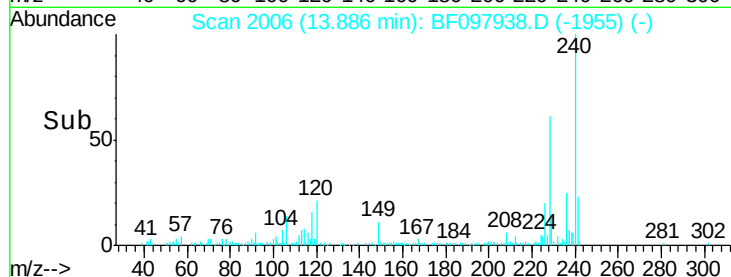
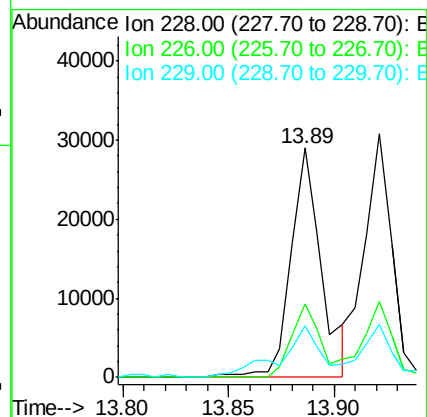
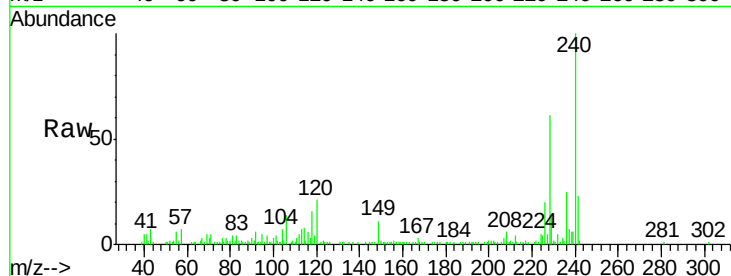
Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

Tot Ion:	228	Resp:	29186
Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	22.3	16.3	24.5



#82

Chrysene

Concen: 2.03 ng

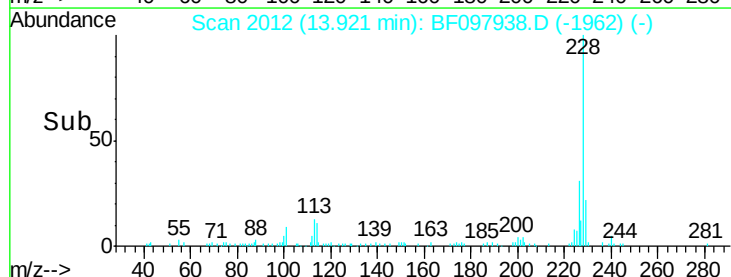
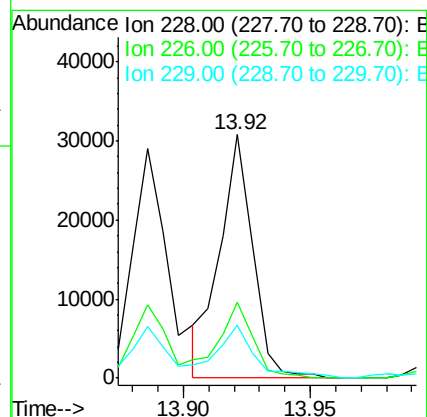
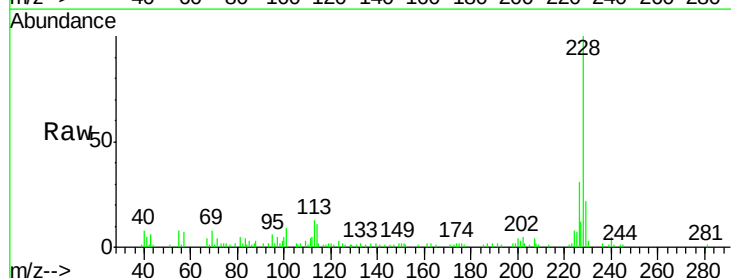
RT: 13.92 min Scan# 2012

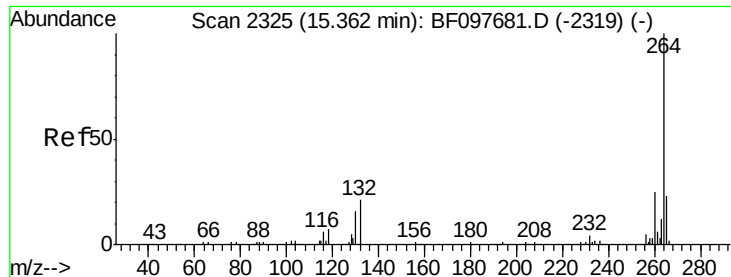
Delta R.T. -0.01 min

Lab File: BF097938.D

Acq: 22 Aug 2017 7:06

Tgt Ion:	228	Resp:	28014
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	21.9	15.8	23.6



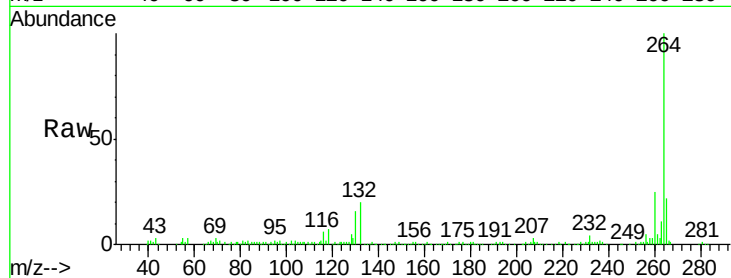


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

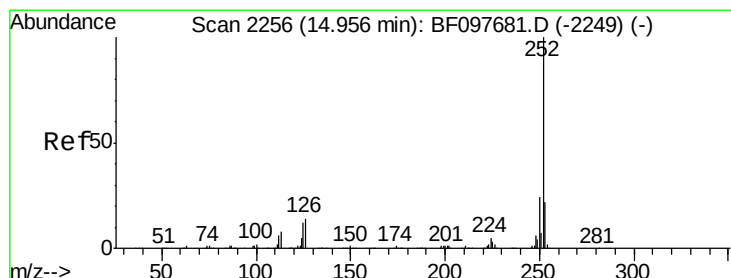
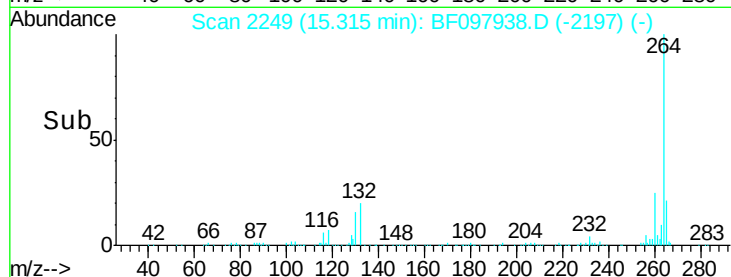
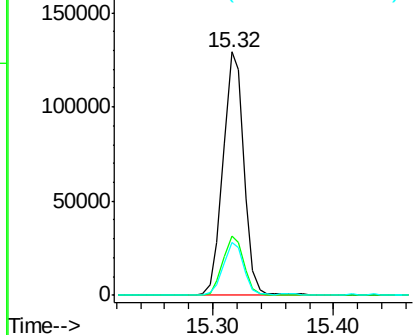
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tot Ion:264 Resp: 154783

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.7	17.2	25.8



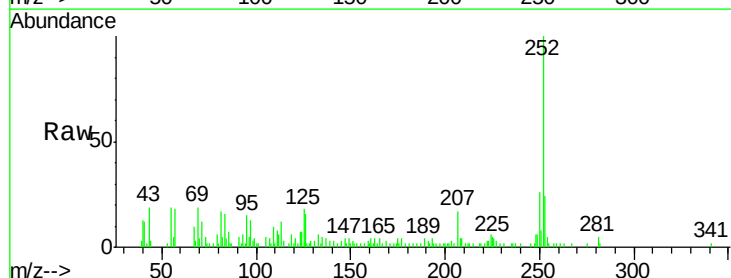
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



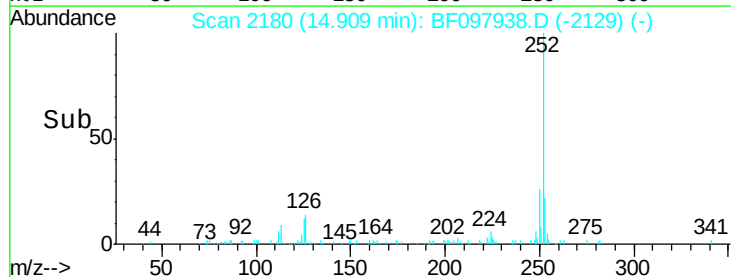
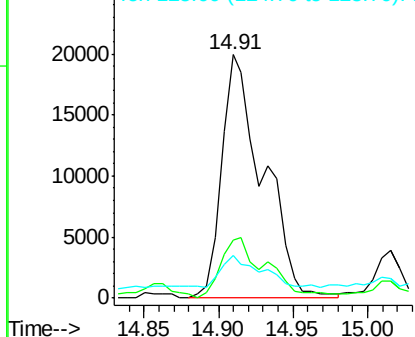
#87
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

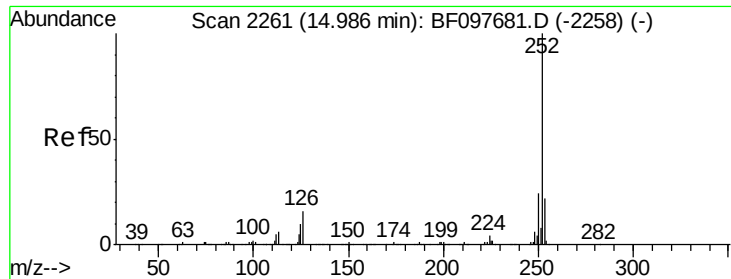
Tgt Ion:252 Resp: 38493

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.8	9.8	14.8#



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

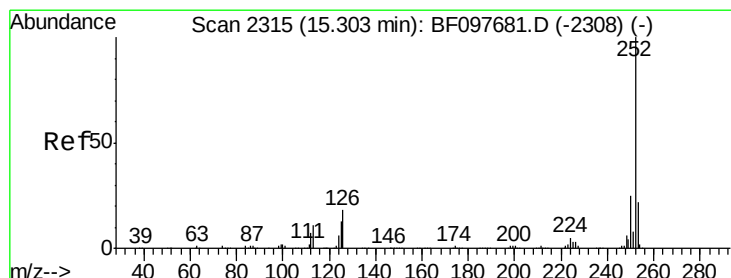
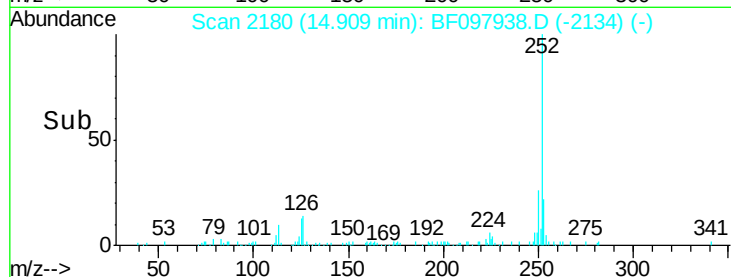
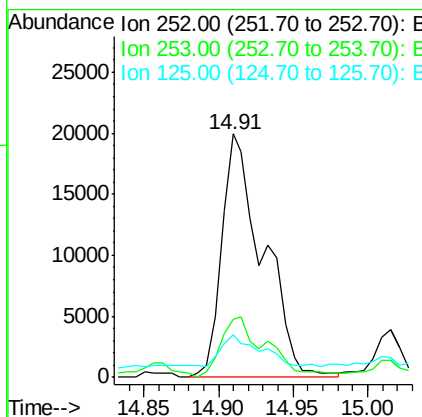
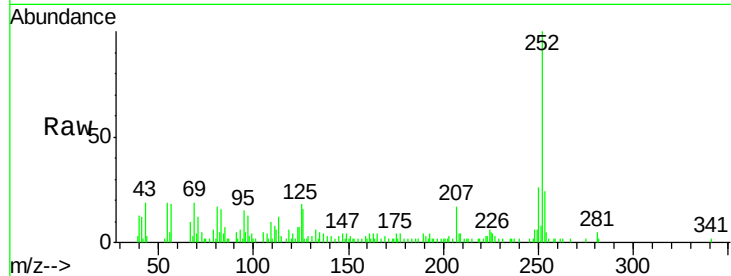




#88
Benzo(k)fluoranthene
Concen: 4.20 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

Tot Ion:	252	Resp:	38493
Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	17.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.38 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097938.D
Acq: 22 Aug 2017 7:06

Tgt Ion:	252	Resp:	20528
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.2	11.0	16.4

