

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097982.D
 Acq On : 23 Aug 2017 4:39
 Operator : SJ/JU
 Sample : I4909-01 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-082117

Quant Time: Aug 23 05:21:18 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

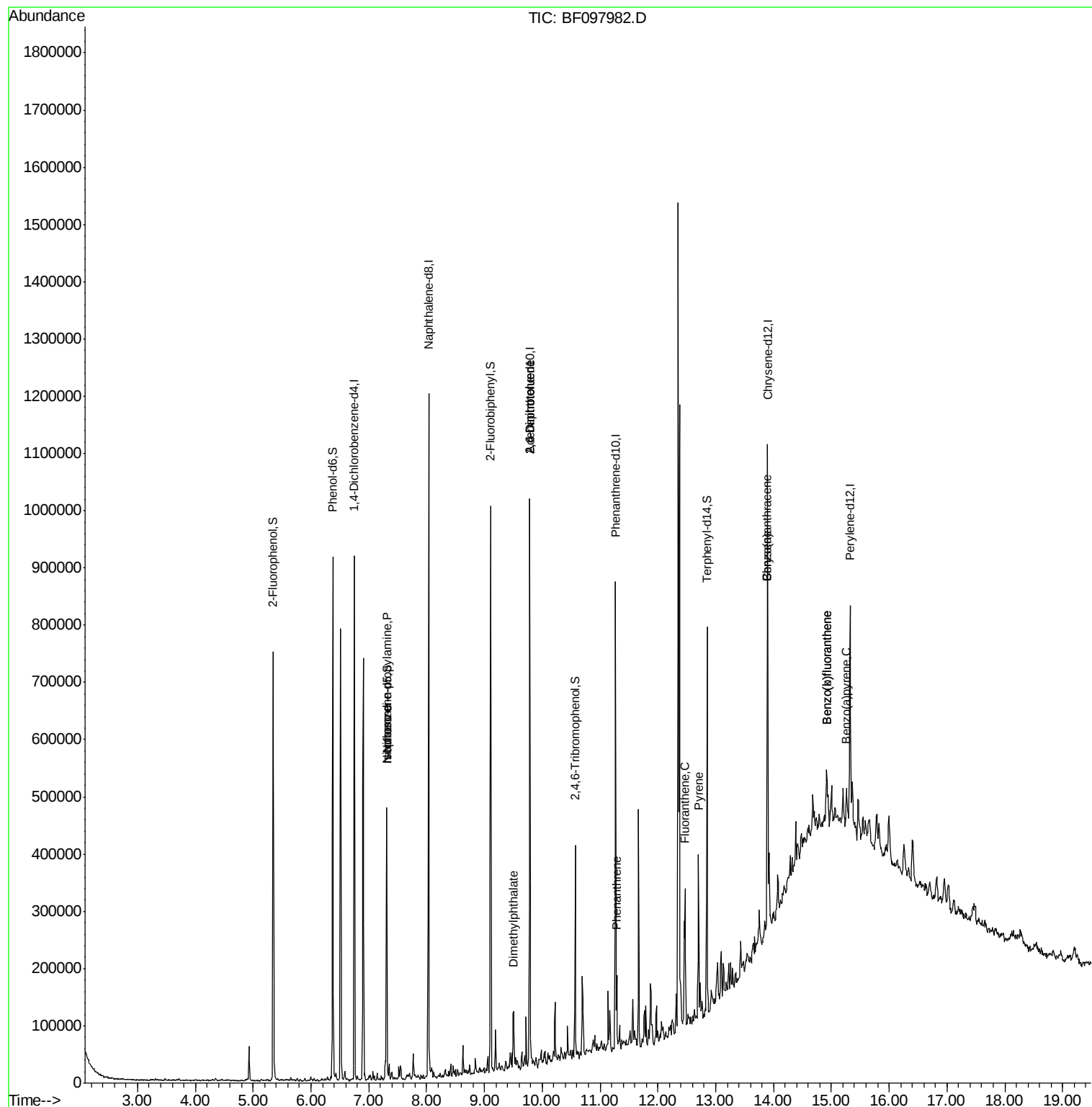
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	131075	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	483597	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	182151	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	294601	20.00	ng	0.00
75) Chrysene-d12	13.90	240	273305	20.00	ng	0.00
86) Perylene-d12	15.33	264	186988	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	202795	23.53	ng	0.00
7) Phenol-d6	6.37	99	275997	23.57	ng	-0.01
23) Nitrobenzene-d5	7.31	82	159674	17.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	31542	19.96	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	277344	22.37	ng	0.00
78) Terphenyl-d14	12.85	244	190789	14.56	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	21214	2.65	ng	# 70
25) Isophorone	7.31	82	155091	8.38	ng	# 67
49) Dimethylphthalate	9.50	163	30003	2.25	ng	# 99
50) 2,6-Dinitrotoluene	9.79	165	24687	9.29	ng	# 35
56) 2,4-Dinitrotoluene	9.79	165	24687	7.40	ng	# 34
70) Phenanthrene	11.29	178	38838	2.47	ng	100
74) Fluoranthene	12.47	202	81736	4.99	ng	99
77) Pyrene	12.70	202	112892	5.05	ng	97
80) Benzo(a)anthracene	13.89	228	49438	3.02	ng	94
82) Chrysene	13.89	228	49438	3.03	ng	97
87) Benzo(b)fluoranthene	14.92	252	56009	4.75	ng	# 83
88) Benzo(k)fluoranthene	14.92	252	56009	5.06	ng	# 87
89) Benzo(a)pyrene	15.26	252	30069	2.88	ng	# 85

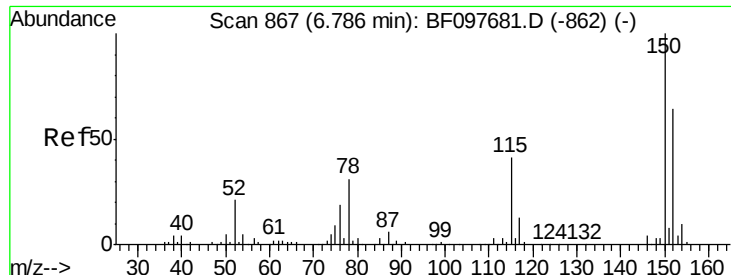
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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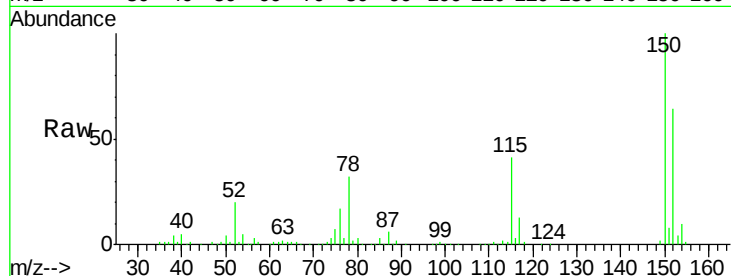




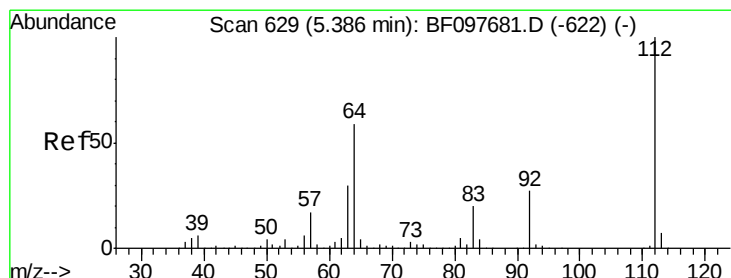
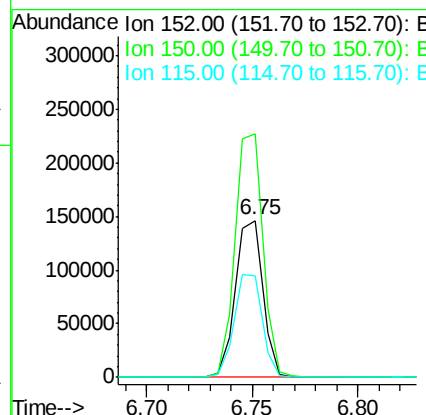
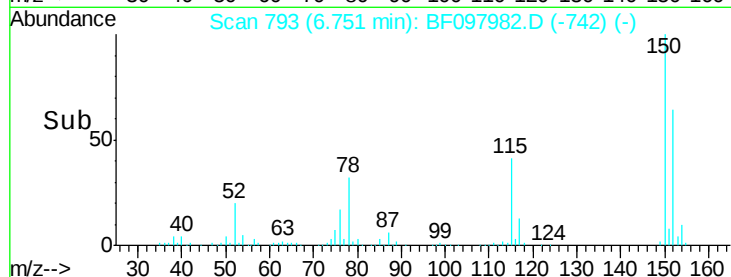
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF097982.D
 Acq: 23 Aug 2017 4:39

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-082117

Tot Ion:152 Resp: 131075
 Ion Ratio Lower Upper
 152 100
 150 155.4 126.2 189.2
 115 64.4 52.2 78.2

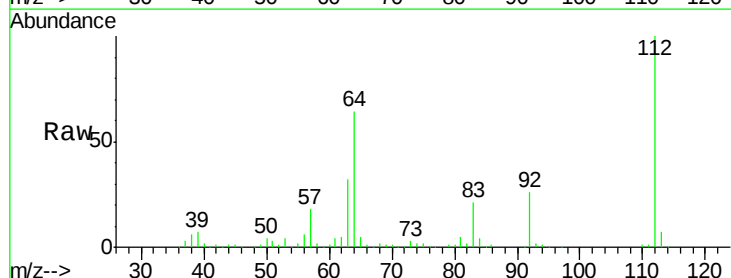


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

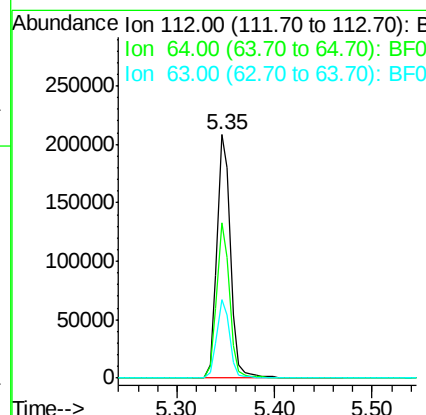
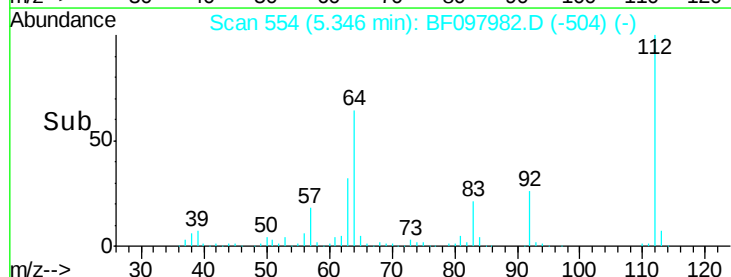


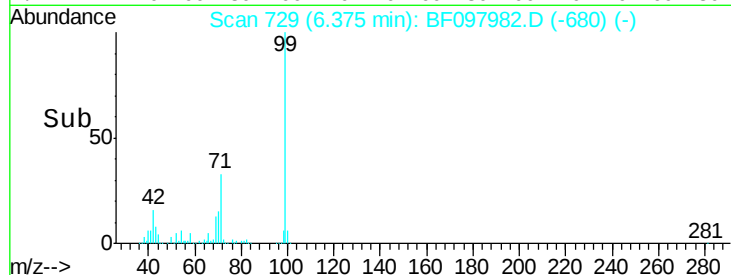
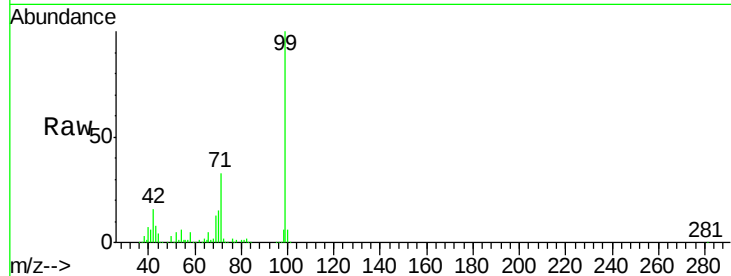
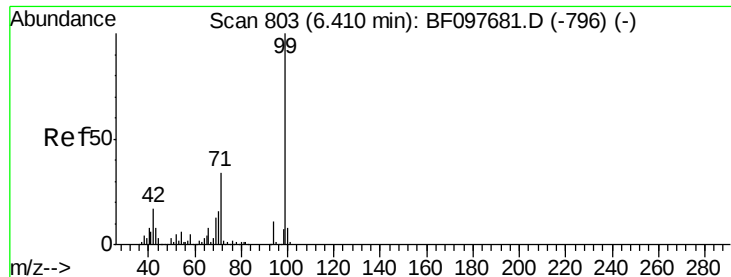
#5
 2-Fluorophenol
 Concen: 23.53 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF097982.D
 Acq: 23 Aug 2017 4:39

Tgt Ion:112 Resp: 202795
 Ion Ratio Lower Upper
 112 100
 64 63.6 46.0 69.0
 63 32.1 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: 23.57 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

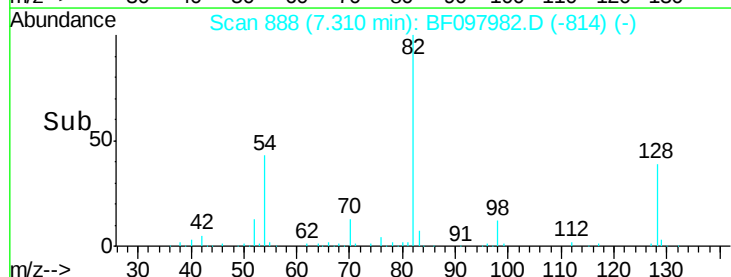
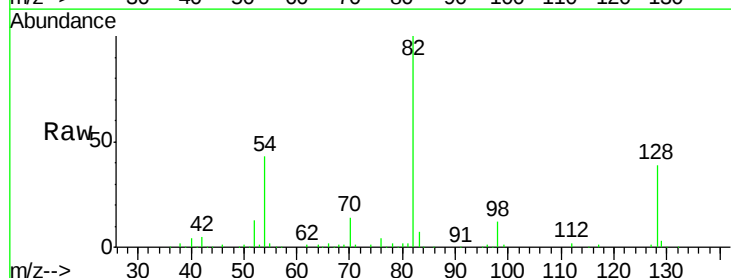
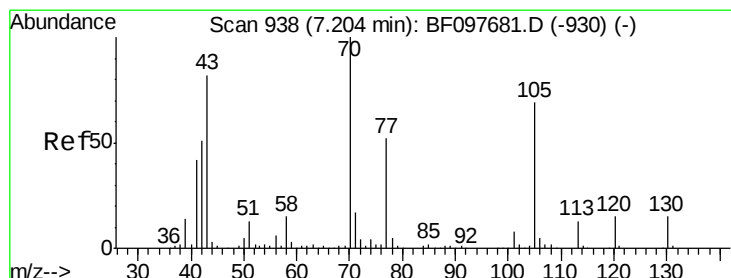
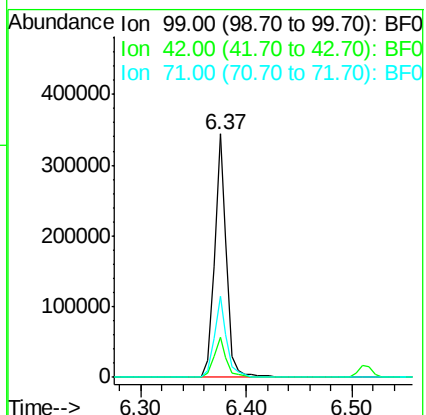
Tot Ion: 99 Resp: 275997

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

71 33.0 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.65 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Tgt Ion: 70 Resp: 21214

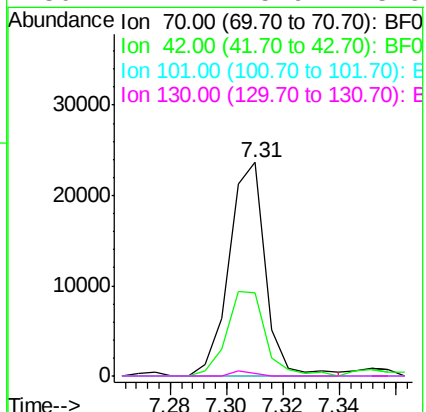
Ion Ratio Lower Upper

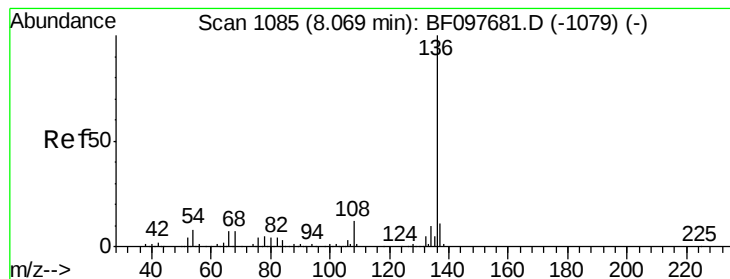
70 100

42 39.0 47.2 70.8#

101 0.0 7.2 10.8#

130 1.4 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: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

Tot Ion:136 Resp: 483597

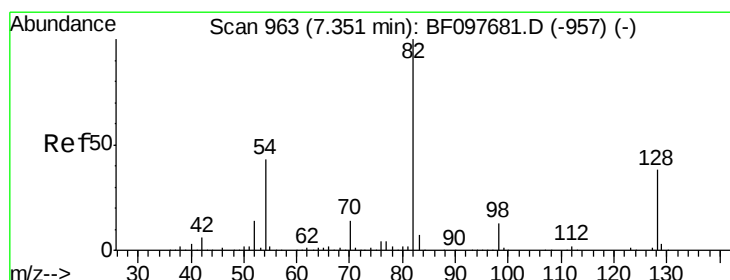
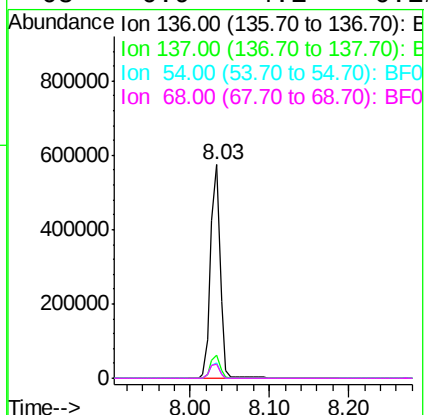
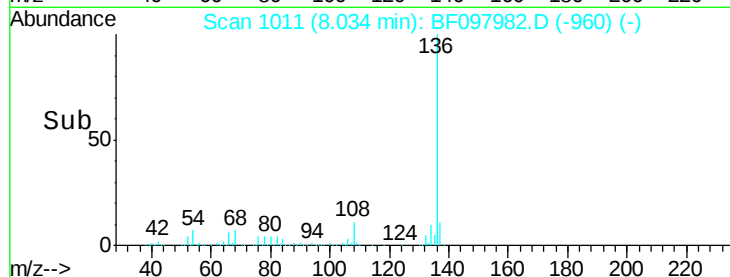
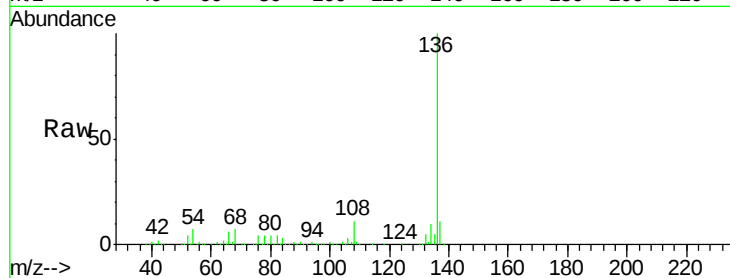
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 6.9 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 17.94 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

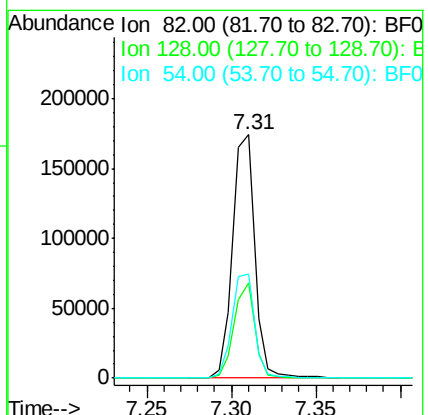
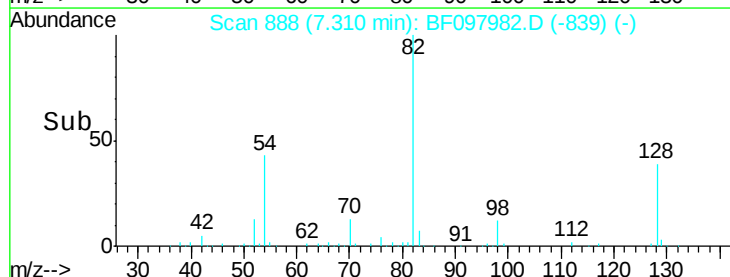
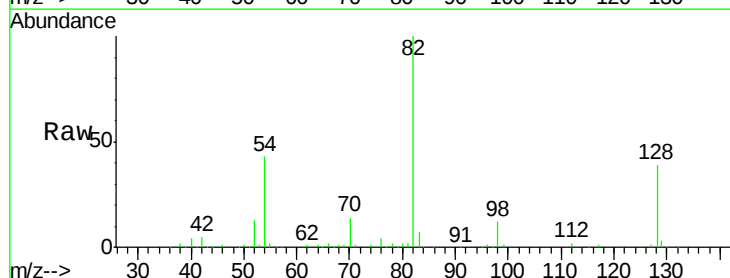
Tgt Ion: 82 Resp: 159674

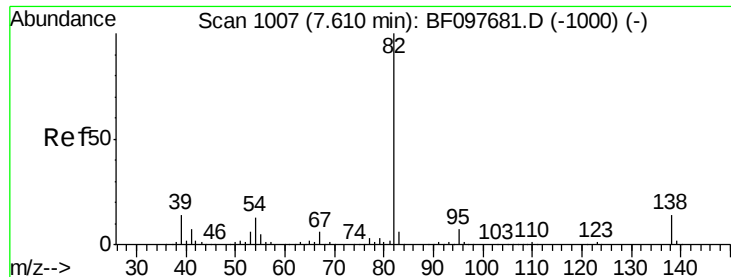
Ion Ratio Lower Upper

82 100

128 39.1 34.0 51.0

54 42.6 42.2 63.2





#25

Isophorone

Concen: 8.38 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

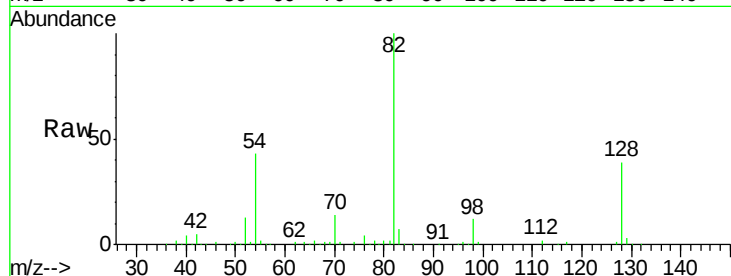
Tot Ion: 82 Resp: 155091

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

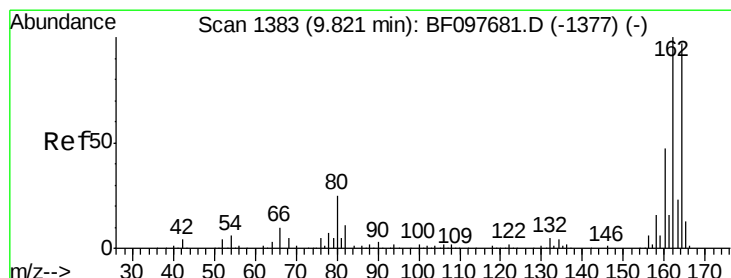
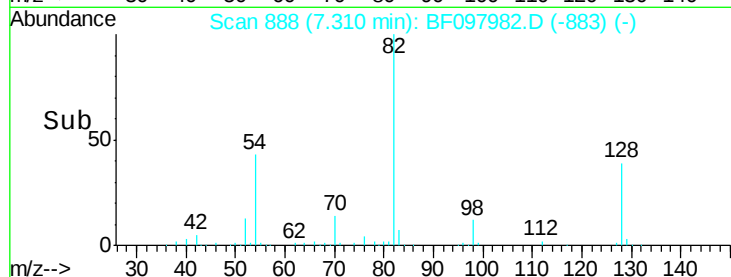
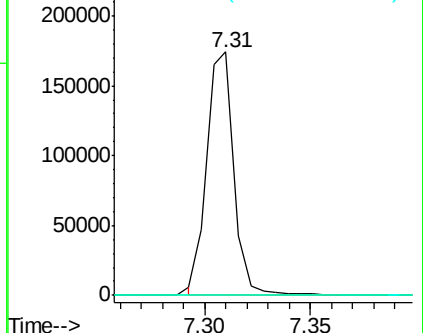
138 0.0 13.1 19.7#



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: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

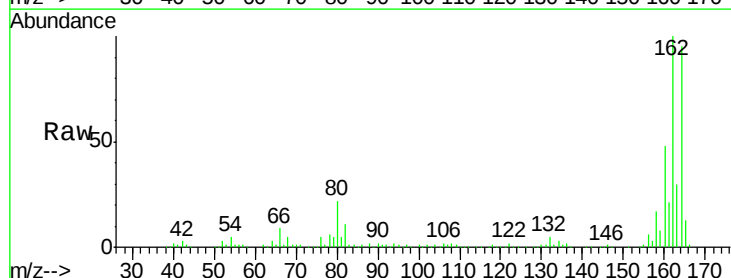
Tgt Ion: 164 Resp: 182151

Ion Ratio Lower Upper

164 100

162 104.8 82.6 123.8

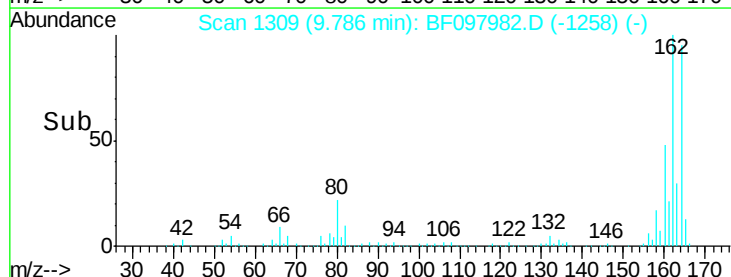
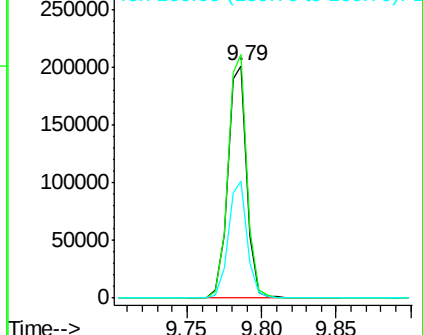
160 50.2 36.2 54.2

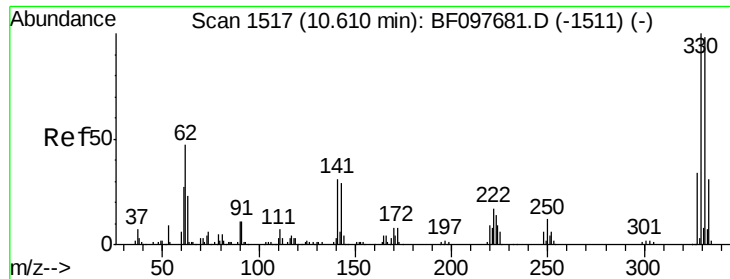


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 19.96 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

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SU-04-082117

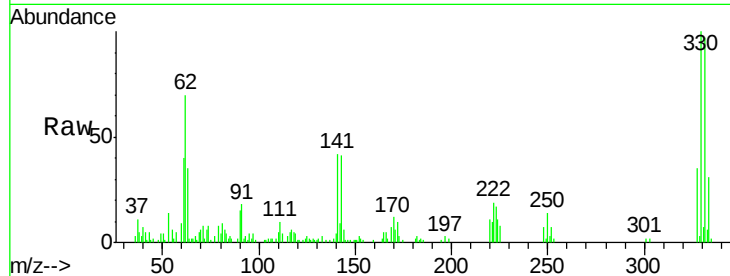
Tot Ion:330 Resp: 31542

Ion Ratio Lower Upper

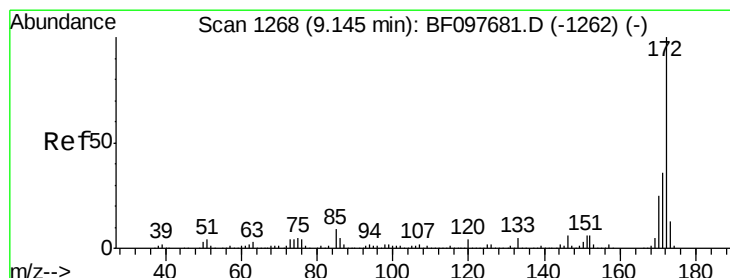
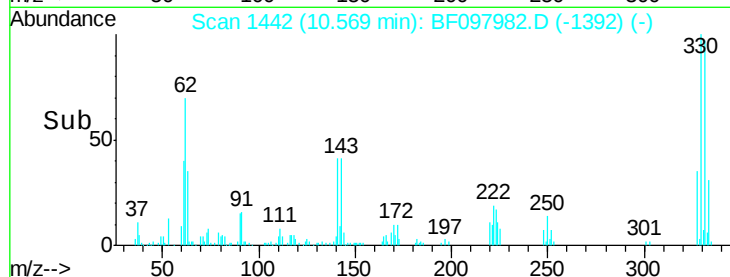
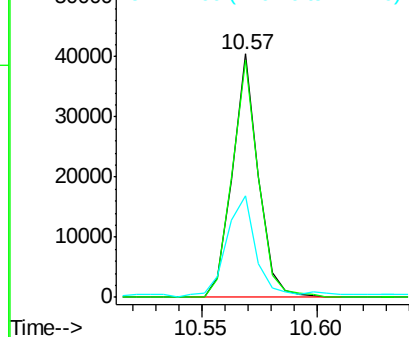
330 100

332 99.0 76.6 115.0

141 51.4 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: 22.37 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

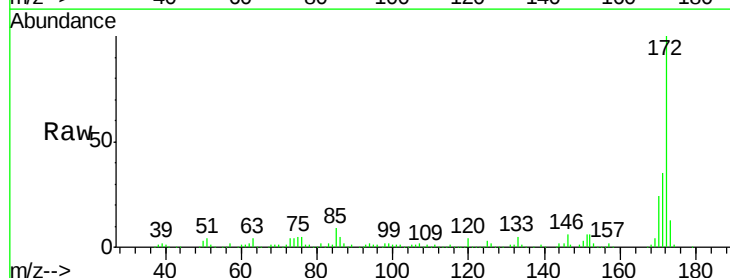
Tgt Ion:172 Resp: 277344

Ion Ratio Lower Upper

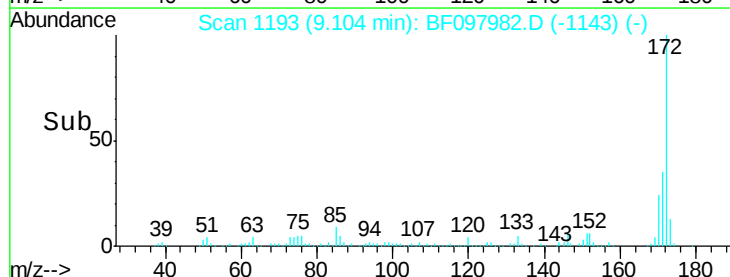
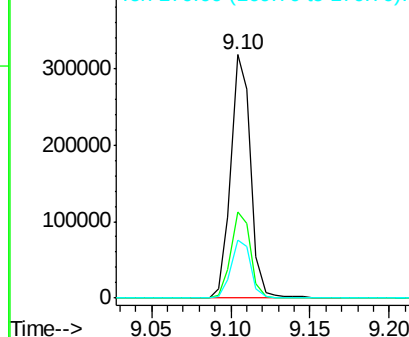
172 100

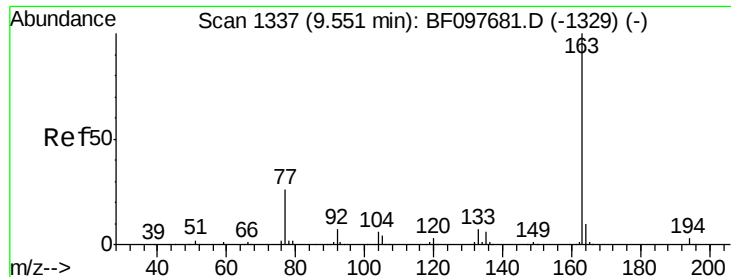
171 35.1 29.6 44.4

170 23.7 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

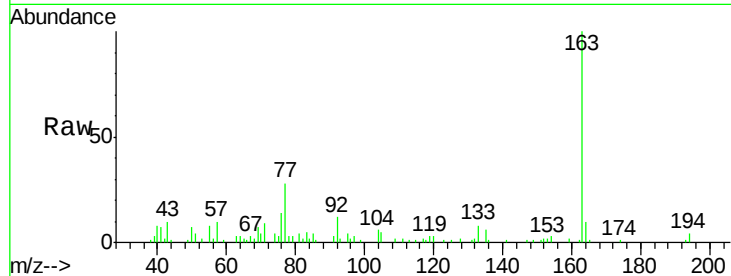




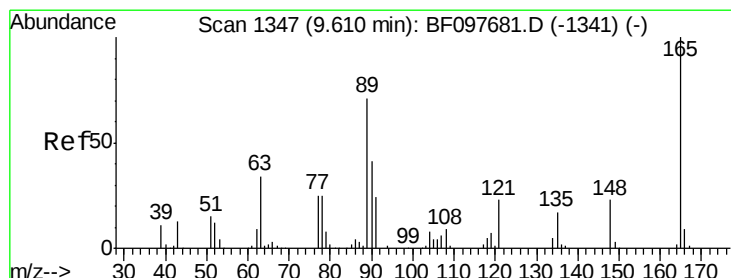
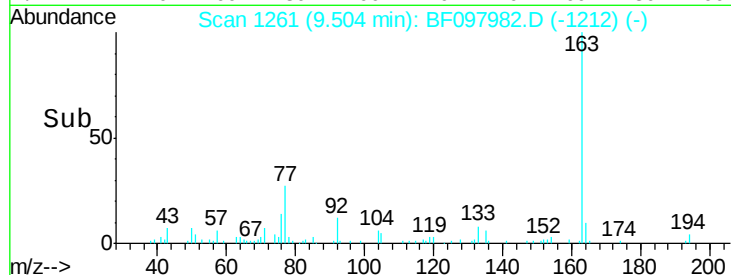
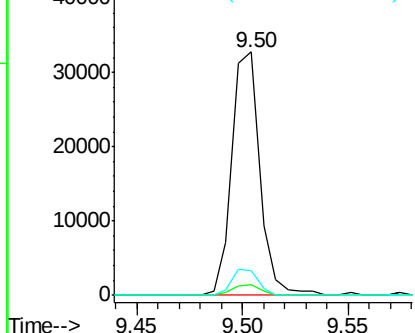
#49
Dimethylphthalate
Concen: 2.25 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

Instrument :
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Tot Ion:163 Resp: 30003
Ion Ratio Lower Upper
163 100
194 4.4 2.6 4.0#
164 10.3 8.4 12.6

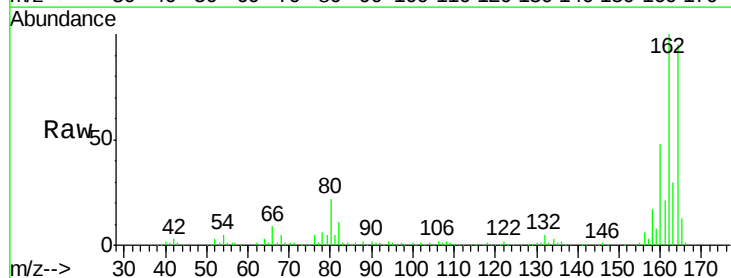


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

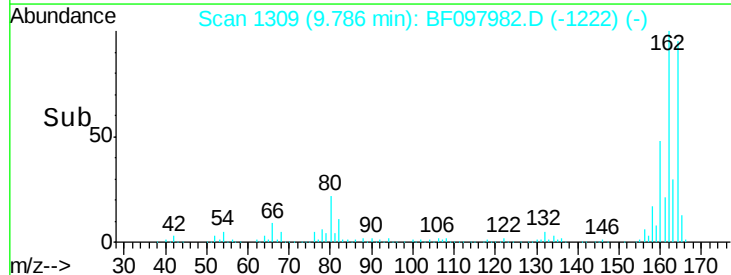
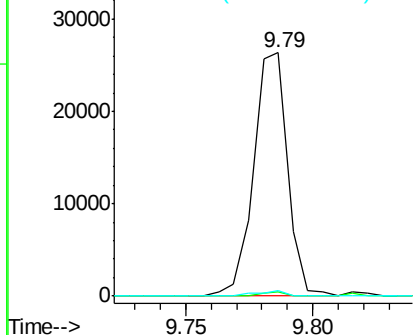


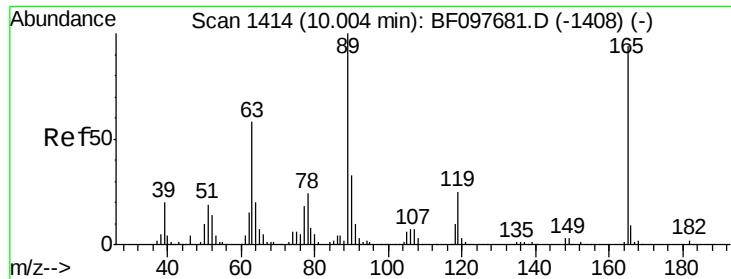
#50
2,6-Dinitrotoluene
Concen: 9.29 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.21 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

Tgt Ion:165 Resp: 24687
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 2.5 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

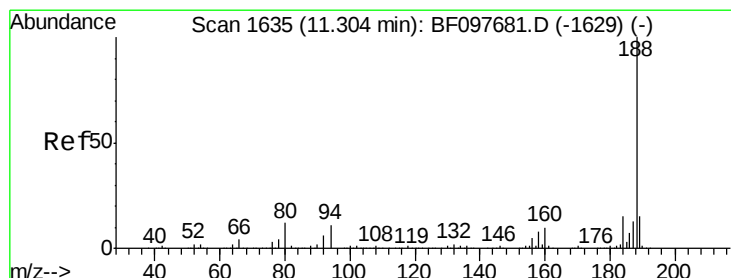
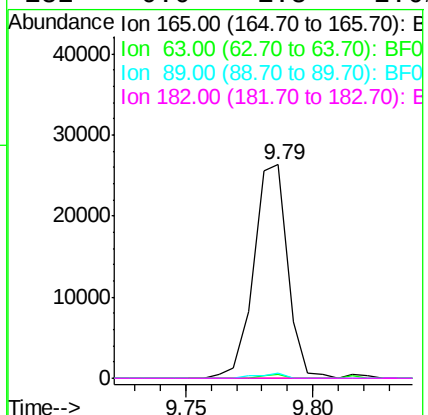
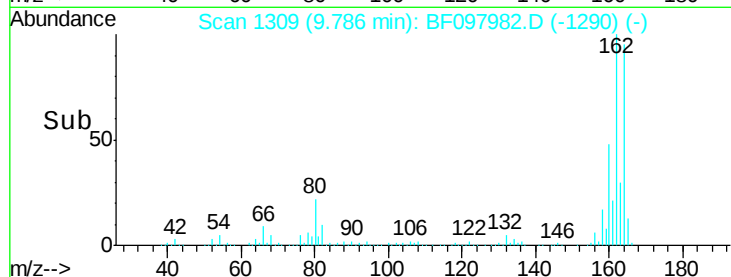
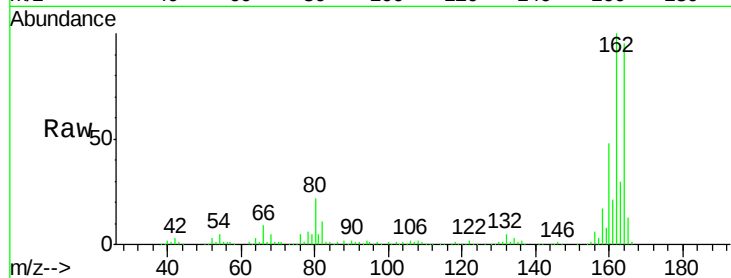




#56
 2,4-Dinitrotoluene
 Concen: 7.40 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.19 min
 Lab File: BF097982.D
 Acq: 23 Aug 2017 4:39

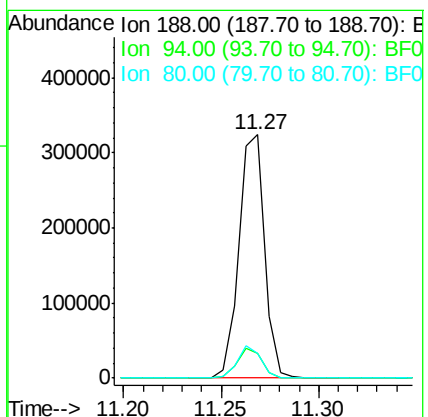
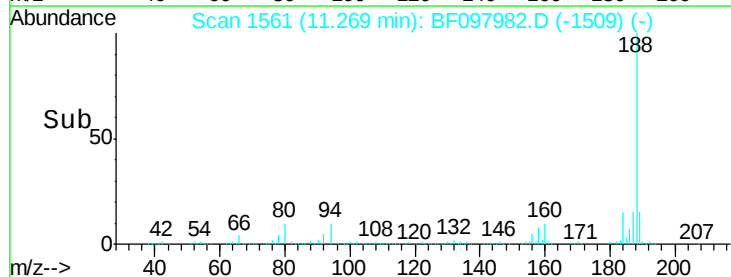
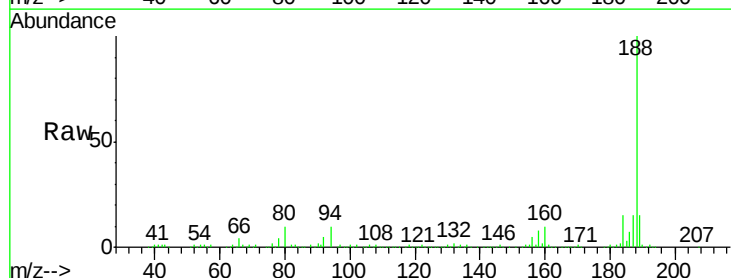
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-082117

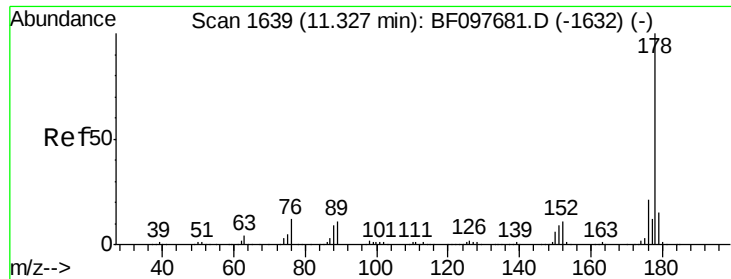
Tot Ion:165	Resp:	24687
Ion Ratio	Lower	Upper
165	100	
63	1.8	25.4 38.0#
89	2.5	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF097982.D
 Acq: 23 Aug 2017 4:39

Tgt Ion:188	Resp:	294601
Ion Ratio	Lower	Upper
188	100	
94	10.3	9.4 14.2
80	10.3	10.2 15.2





#70

Phenanthrene

Concen: 2.47 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

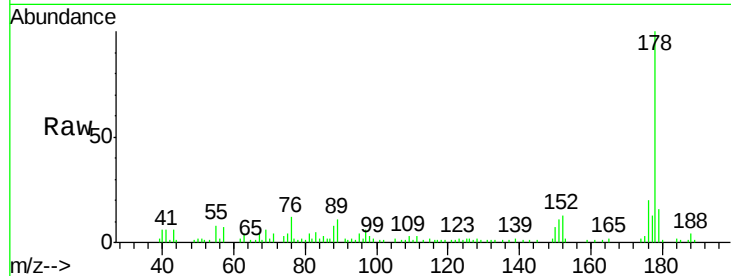
Tot Ion:178 Resp: 38838

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

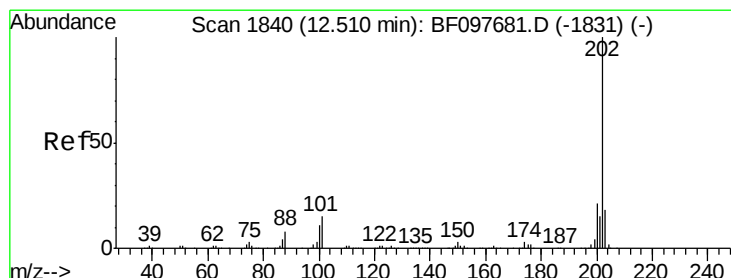
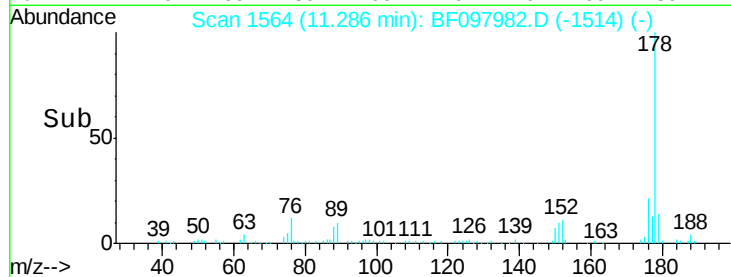
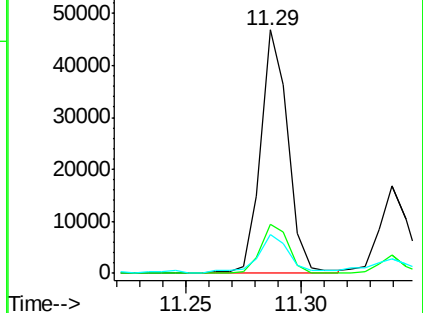
179 15.9 12.6 19.0



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: 4.99 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

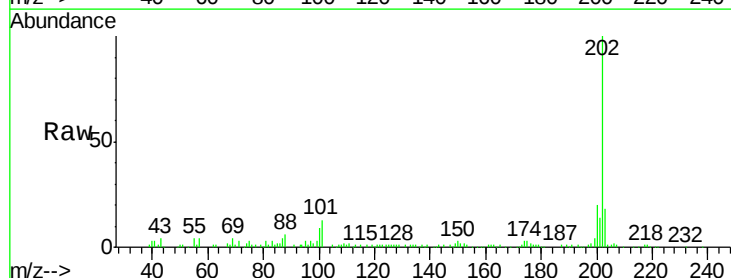
Tgt Ion:202 Resp: 81736

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

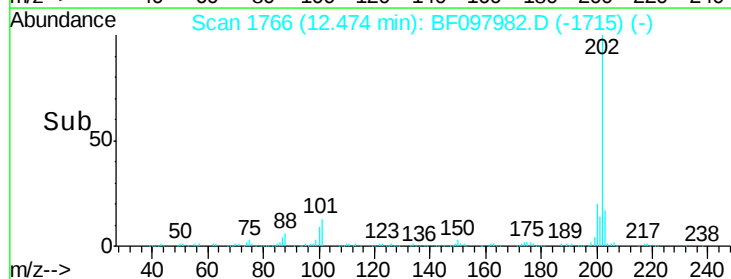
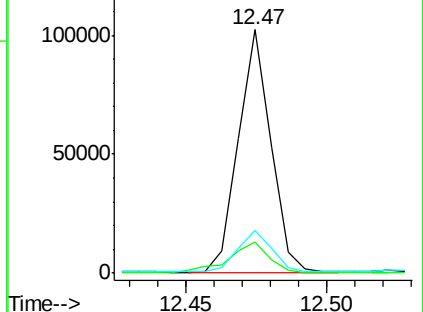
203 17.8 0.0 38.1

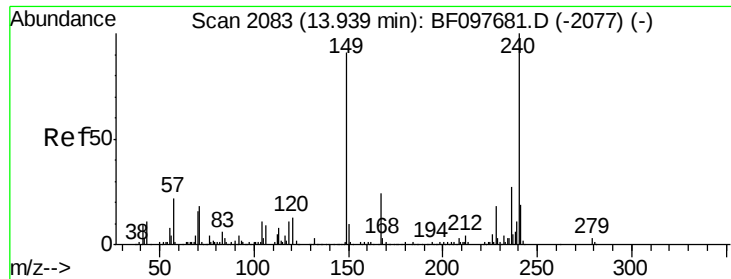


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

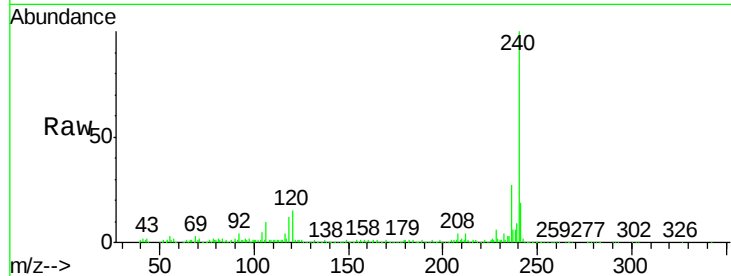
Tot Ion:240 Resp: 273305

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

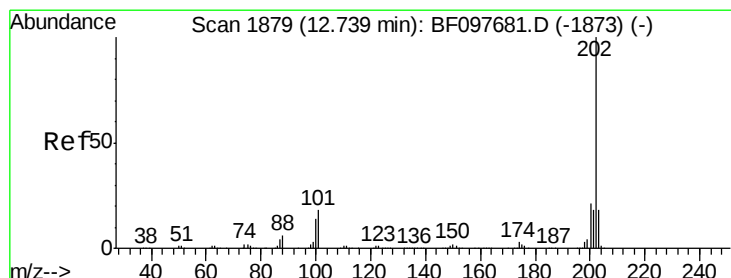
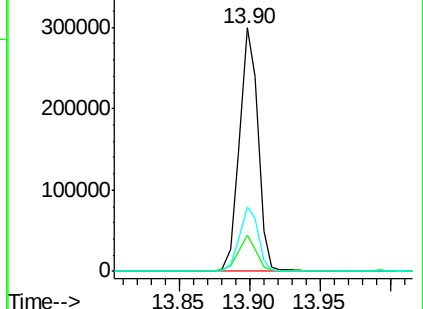
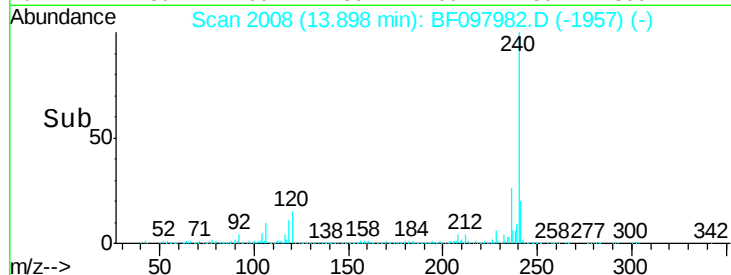
236 26.6 20.5 30.7



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

Pyrene

Concen: 5.05 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

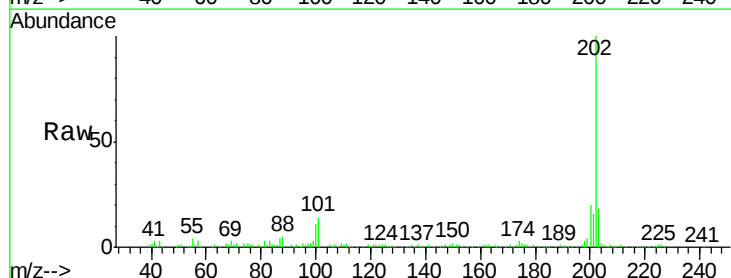
Tgt Ion:202 Resp: 112892

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

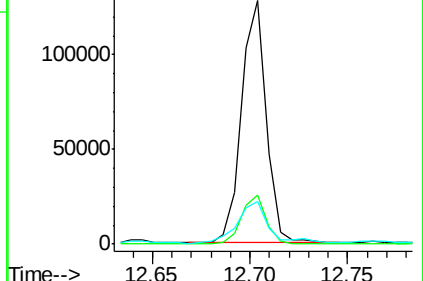
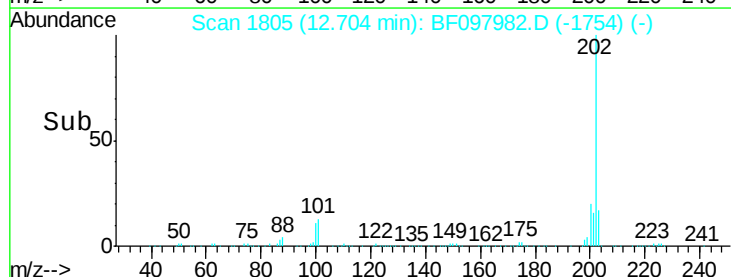
203 17.5 14.4 21.6

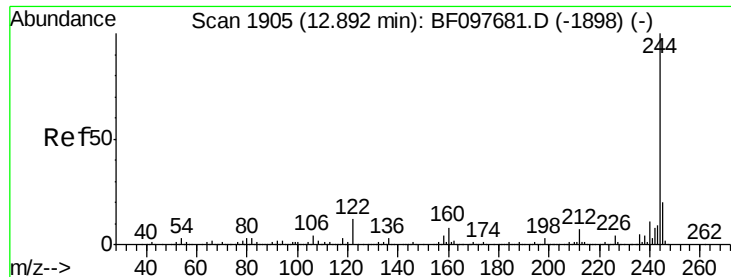


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.56 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

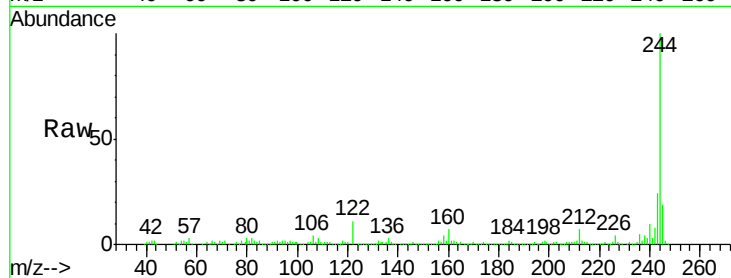
Tot Ion:244 Resp: 190789

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

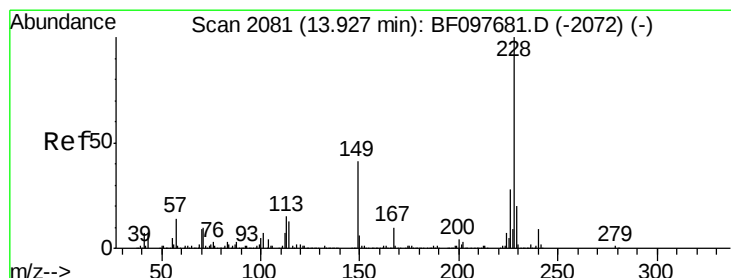
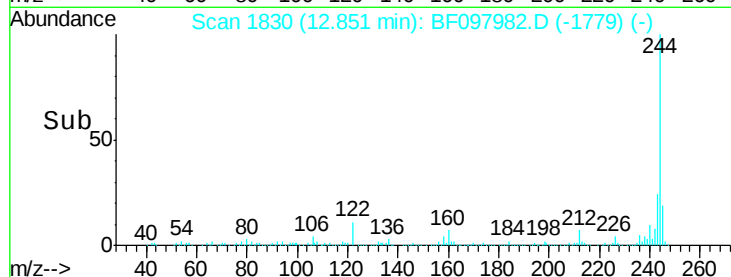
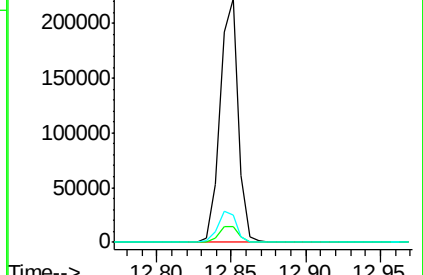
122 11.4 10.3 15.5



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: 3.02 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

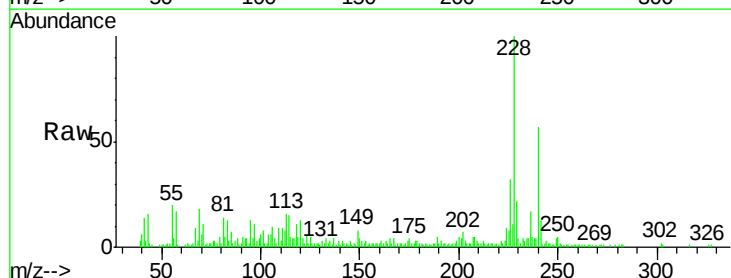
Tgt Ion:228 Resp: 49438

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

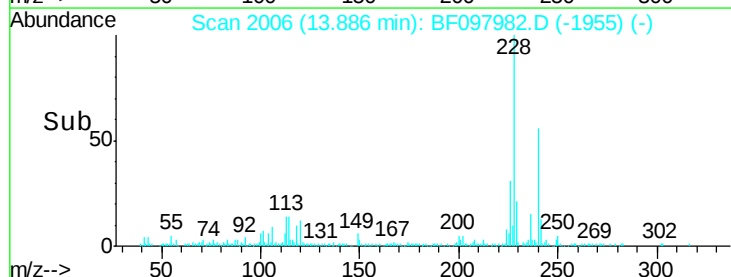
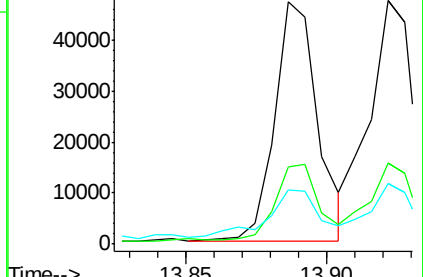
229 22.1 16.3 24.5

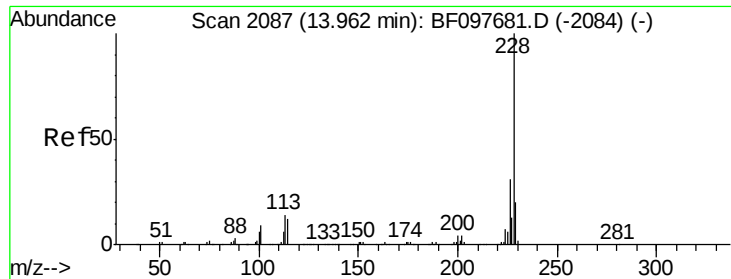


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

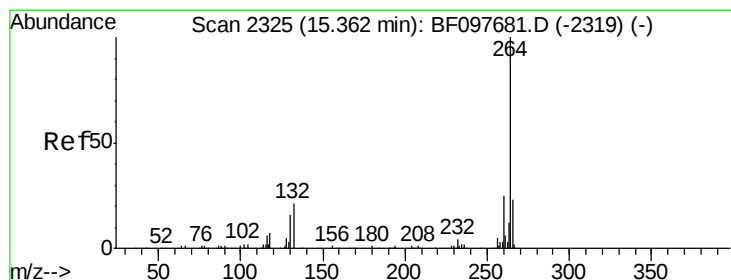
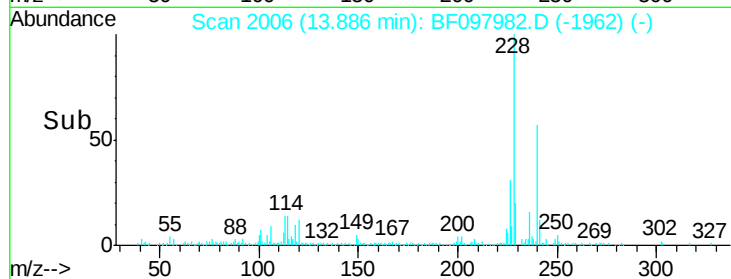
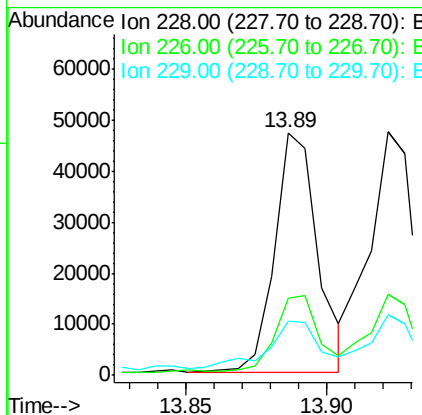
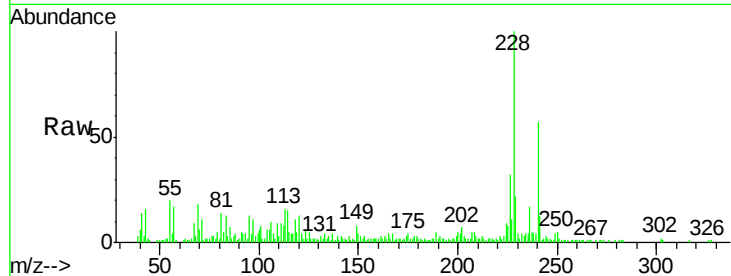




#82
Chrysene
Concen: 3.03 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

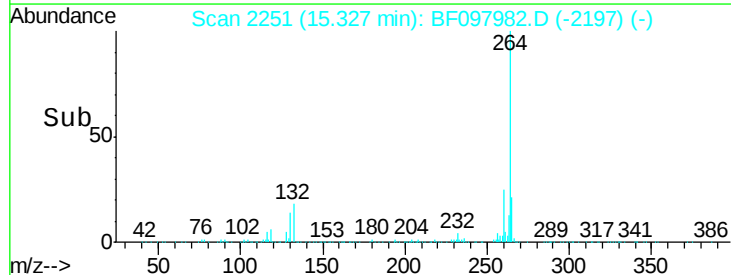
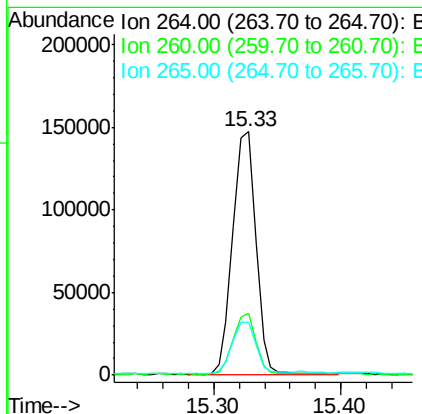
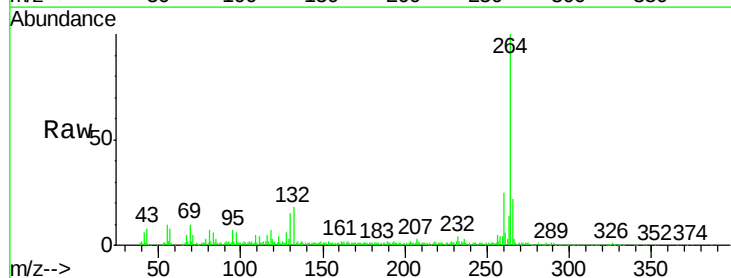
Instrument :
BNA_F
ClientSampleId :
SU-04-082117

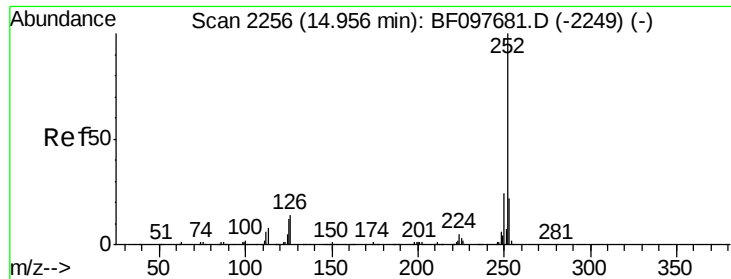
Tot Ion:228 Resp: 49438
Ion Ratio Lower Upper
228 100
226 31.8 24.9 37.3
229 22.1 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.02 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

Tgt Ion:264 Resp: 186988
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 21.7 17.2 25.8

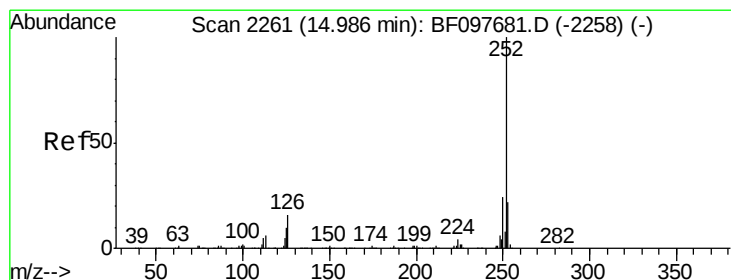
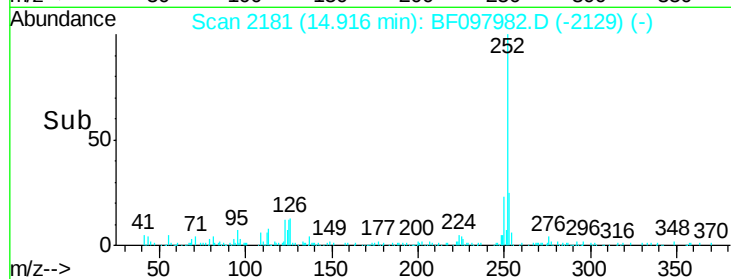
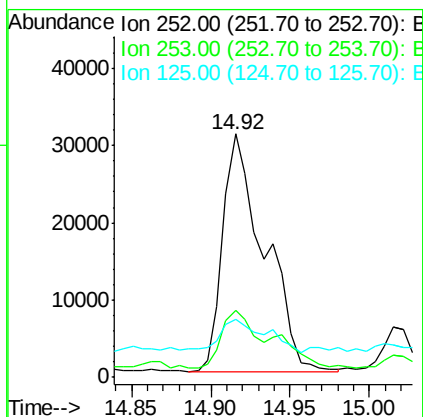
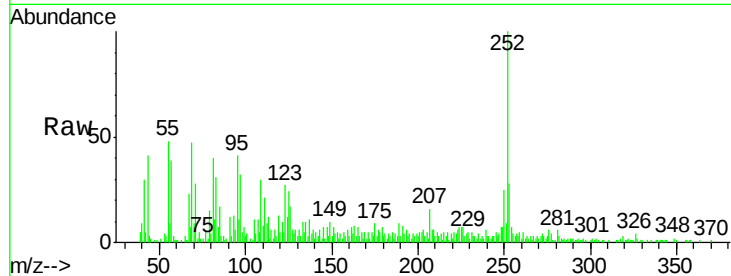




#87
Benzo(b)fluoranthene
Concen: 4.75 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

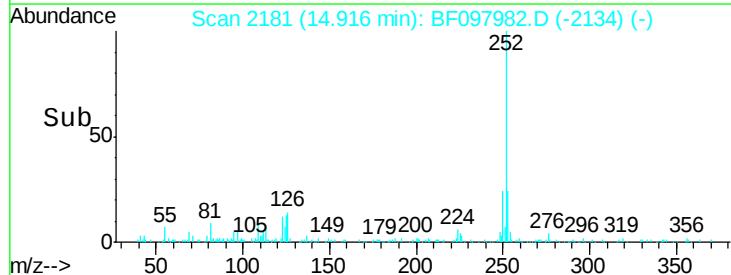
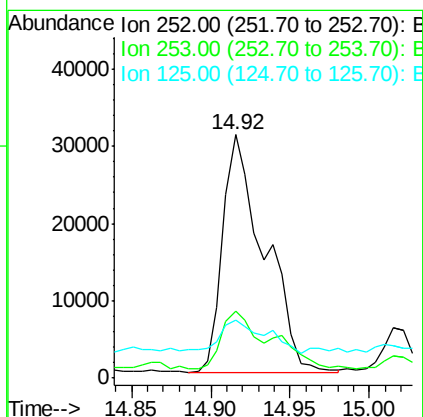
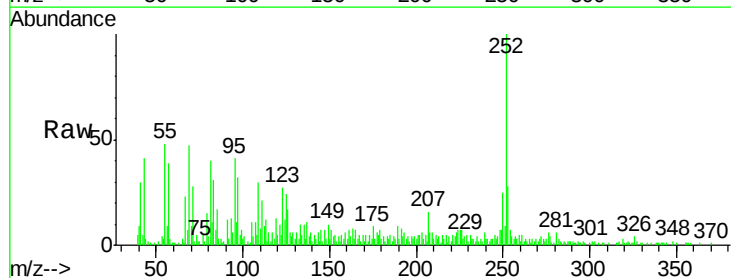
Instrument :
BNA_F
ClientSampleId :
SU-04-082117

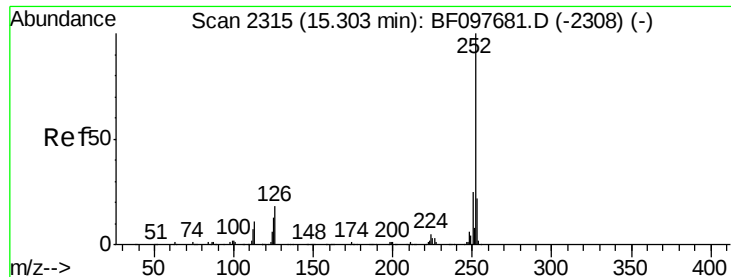
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	24.0	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 5.06 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BF097982.D
Acq: 23 Aug 2017 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6#
125	24.0	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 2.88 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF097982.D

Acq: 23 Aug 2017 4:39

Instrument :

BNA_F

ClientSampleId :

SU-04-082117

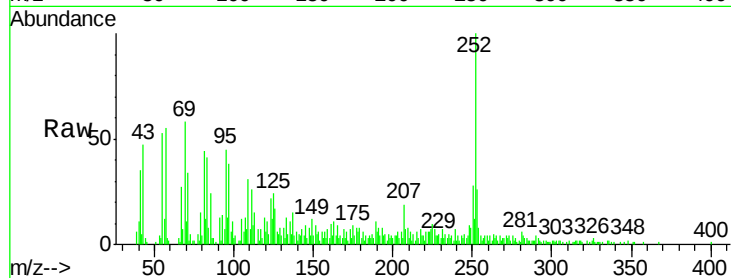
Tot Ion: 252 Resp: 30069

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 24.3 11.0 16.4



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

