

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097063.D
 Acq On : 26 Jul 2017 7:56
 Operator : SJ/JU
 Sample : I4399-05 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 08:21:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

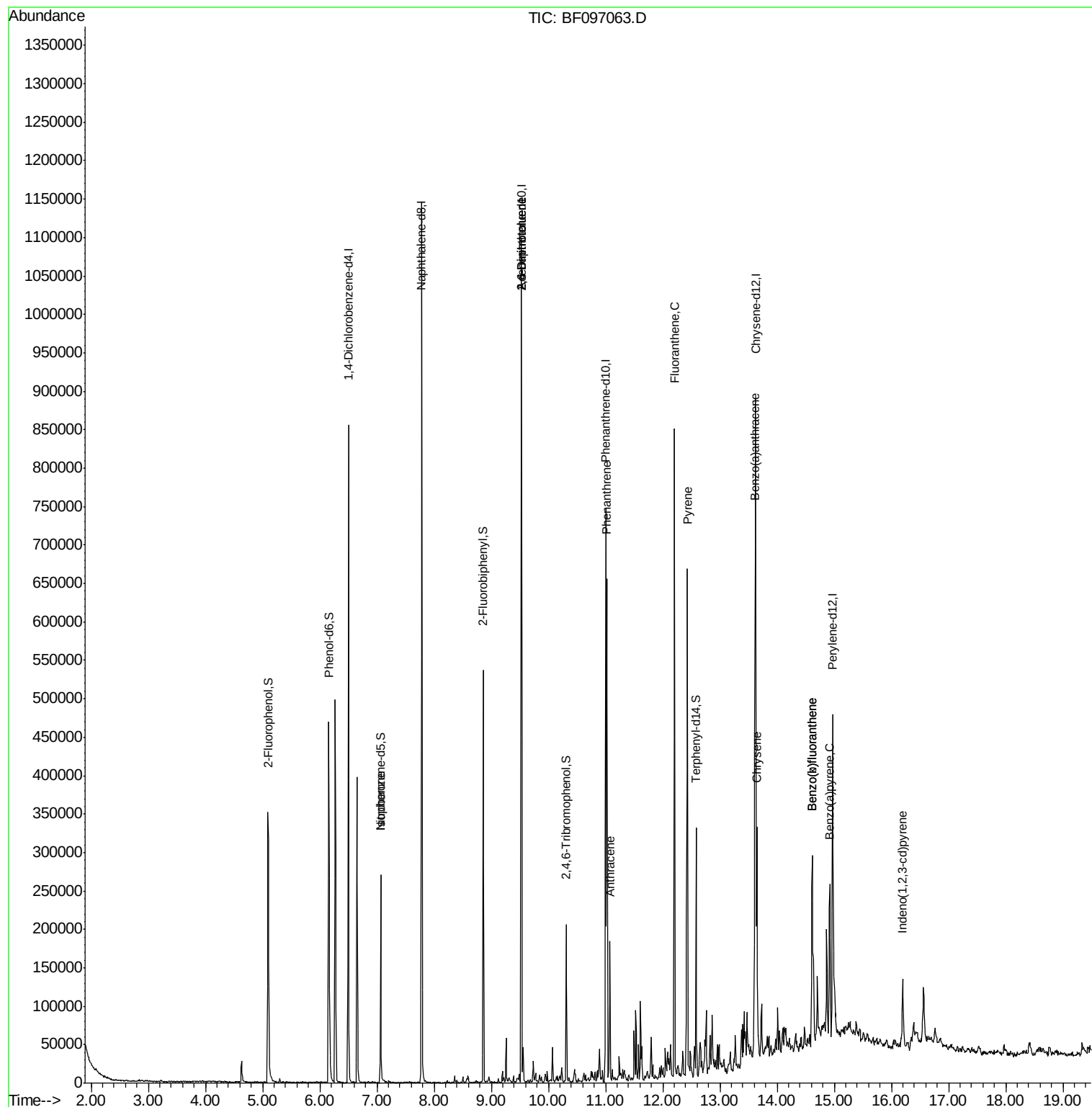
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	124196	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	485792	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	200600	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	266803	20.00	ng	0.00
75) Chrysene-d12	13.62	240	231552	20.00	ng	0.00
86) Perylene-d12	14.97	264	162640	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	117535	14.27	ng	0.00
7) Phenol-d6	6.16	99	158764	16.88	ng	-0.01
23) Nitrobenzene-d5	7.06	82	76731	9.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	19294	12.17	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	146973	12.43	ng	-0.01
78) Terphenyl-d14	12.58	244	80791	7.11	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.06	82	76731	4.73	ng	# 67
50) 2,6-Dinitrotoluene	9.53	165	25859	8.00	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	25859	6.96	ng	# 33
70) Phenanthrene	11.02	178	227409	15.91	ng	97
71) Anthracene	11.07	178	62268	4.25	ng	98
74) Fluoranthene	12.20	202	308483	22.03	ng	99
77) Pyrene	12.43	202	257124	13.56	ng	99
80) Benzo(a)anthracene	13.61	228	133488	8.91	ng	98
82) Chrysene	13.65	228	117779	8.05	ng	97
85) Indeno(1,2,3-cd)pyrene	16.20	276	41572	3.31	ng	98
87) Benzo(b)fluoranthene	14.62	252	145995	14.93	ng	97
88) Benzo(k)fluoranthene	14.62	252	145995	15.67	ng	98
89) Benzo(a)pyrene	14.92	252	83504	9.33	ng	97

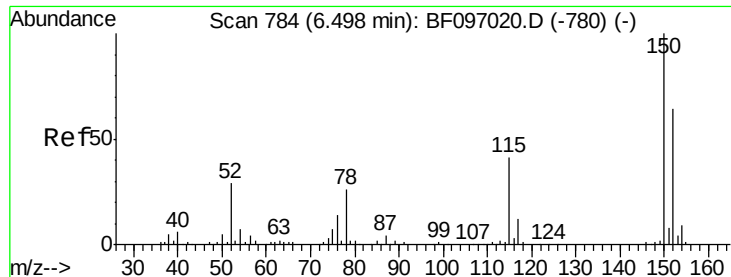
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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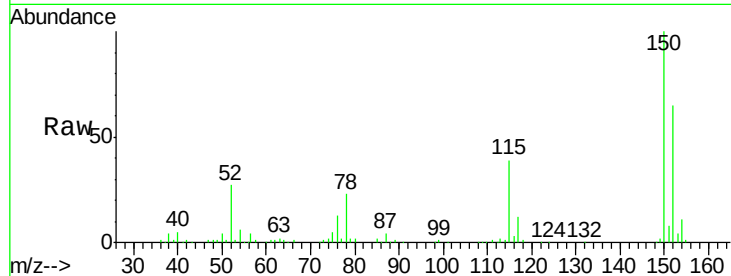


#1

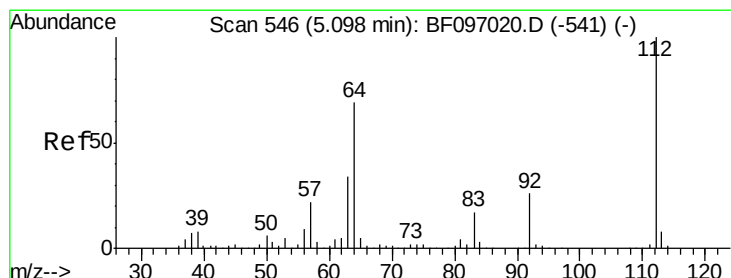
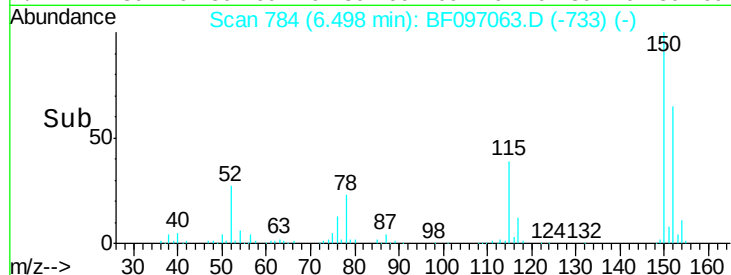
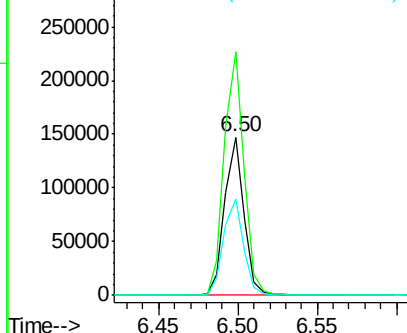
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124196
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 60.6 52.2 78.2



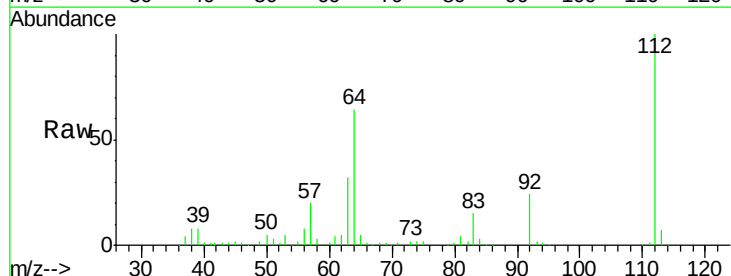
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



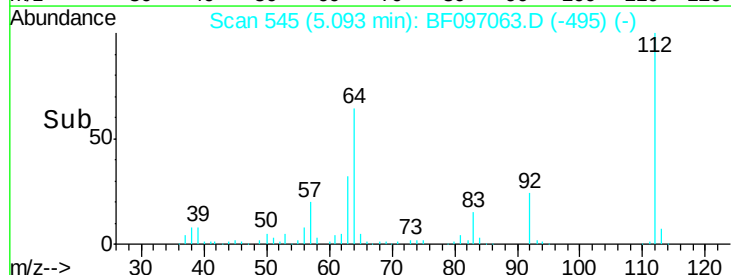
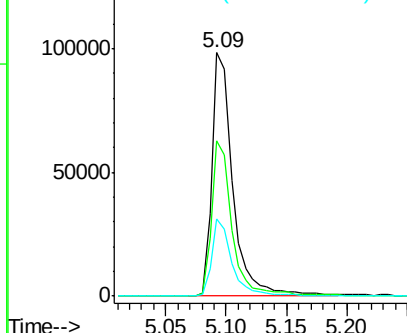
#5

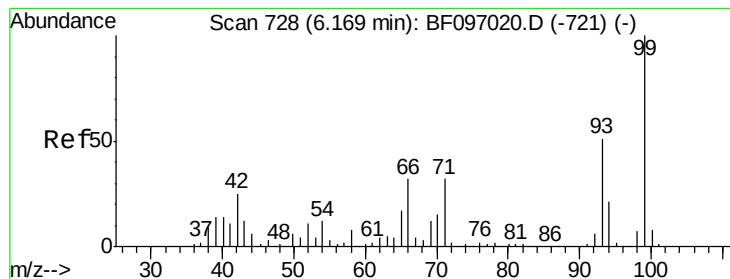
2-Fluorophenol
Concen: 14.27 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion:112 Resp: 117535
Ion Ratio Lower Upper
112 100
64 63.5 46.0 69.0
63 31.6 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: 16.88 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

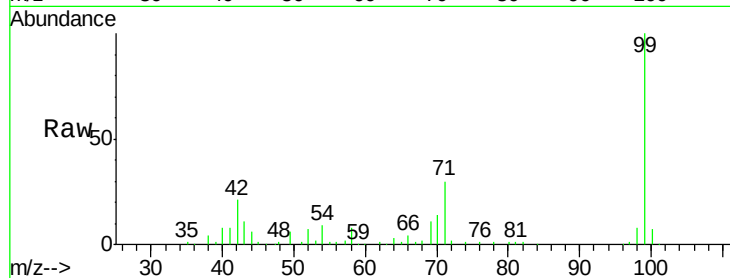
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 158764

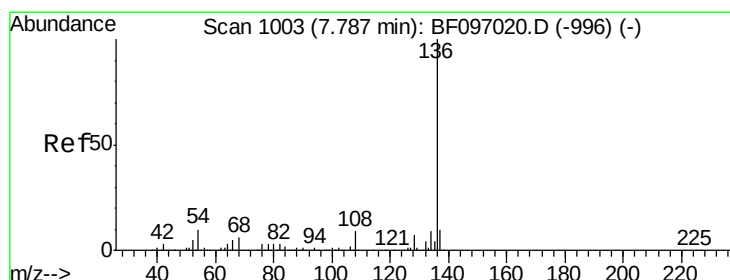
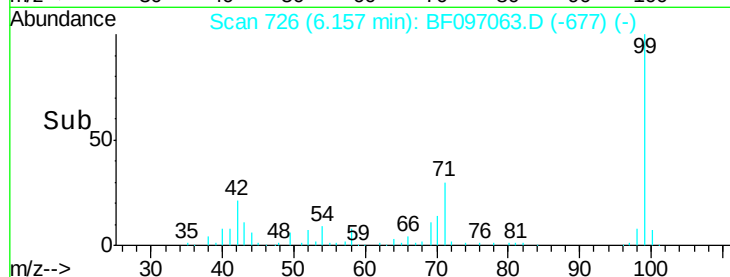
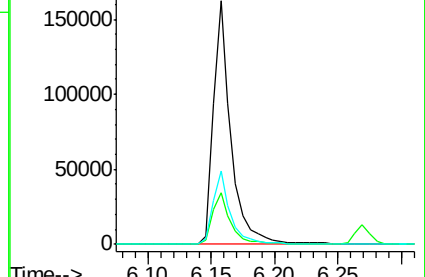
Ion	Ratio	Lower	Upper
99	100		
42	21.1	13.5	20.3#
71	30.4	24.5	36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 1002

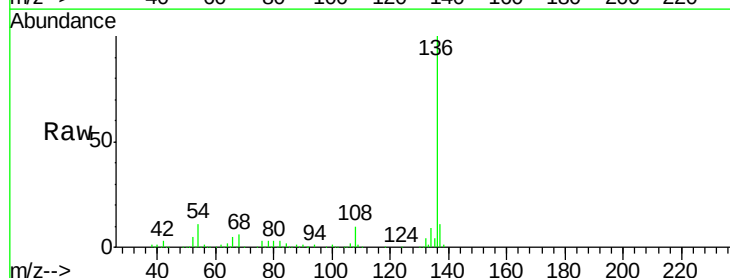
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion: 136 Resp: 485792

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	5.6	4.1	6.1

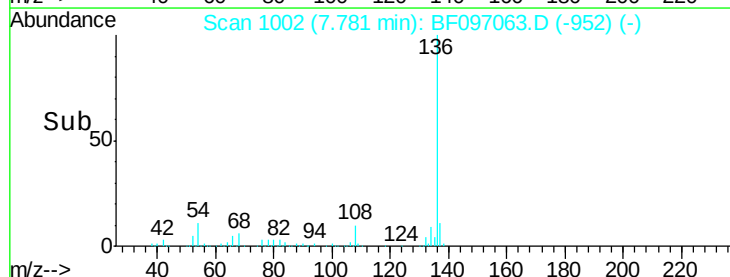
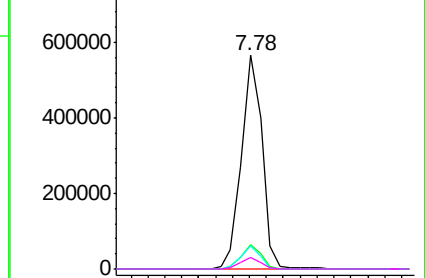


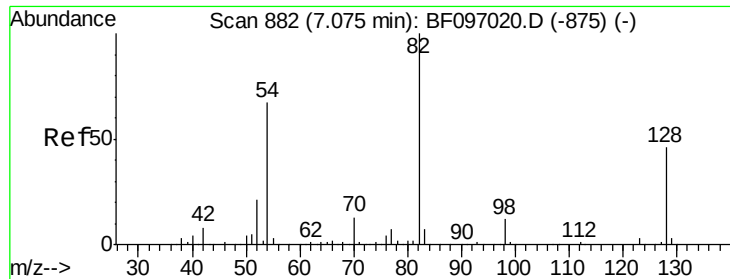
Abundance Ion 136.00 (135.70 to 136.70): E

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

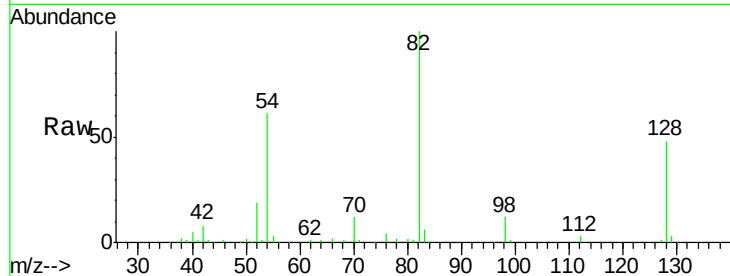




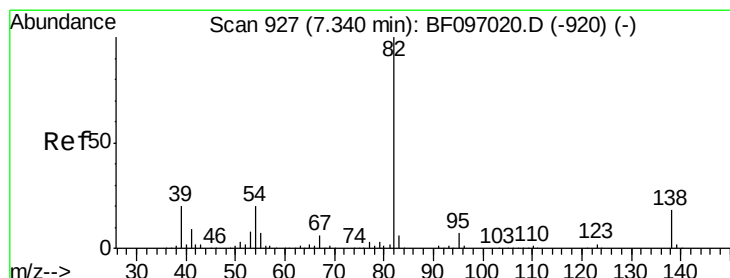
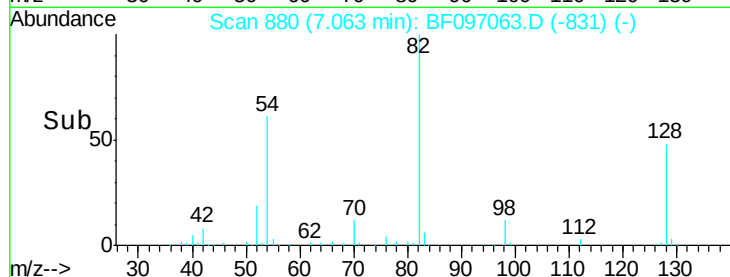
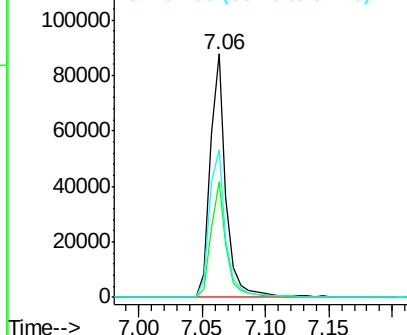
#23
Nitrobenzene-d5
Concen: 9.27 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 76731
Ion Ratio Lower Upper
82 100
128 47.5 34.0 51.0
54 60.6 42.2 63.2

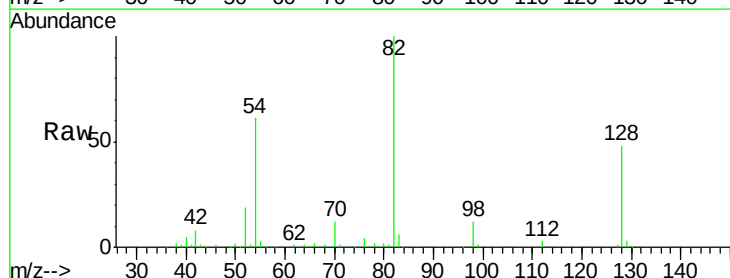


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

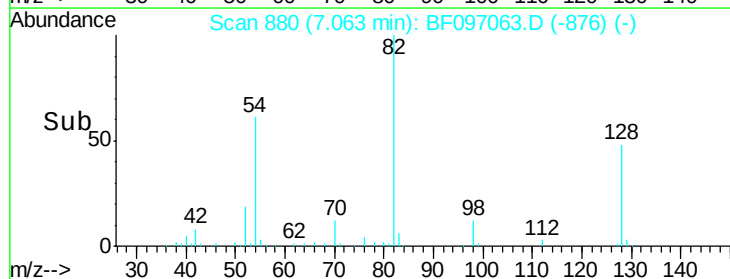
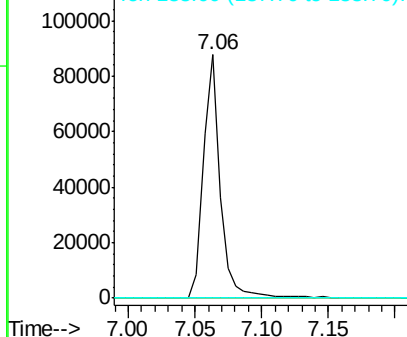


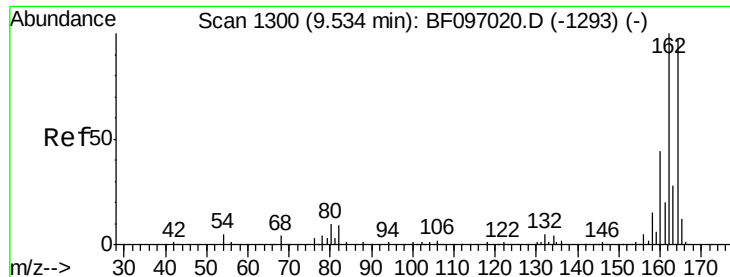
#25
Isophorone
Concen: 4.73 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF097063.D
Acq: 26 Jul 2017 7:56

Tgt Ion: 82 Resp: 76731
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: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

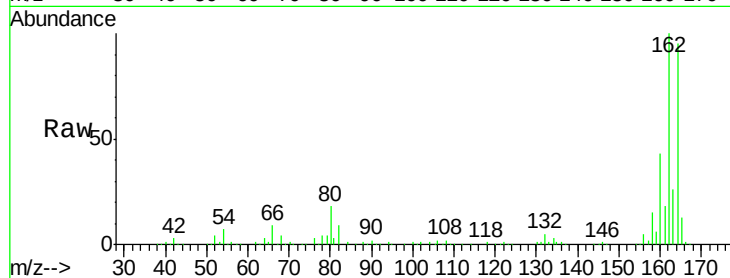
Tot Ion:164 Resp: 200600

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

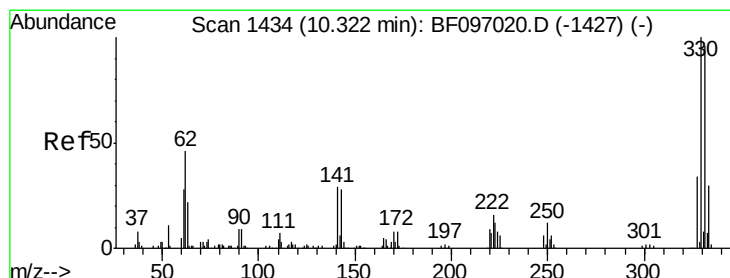
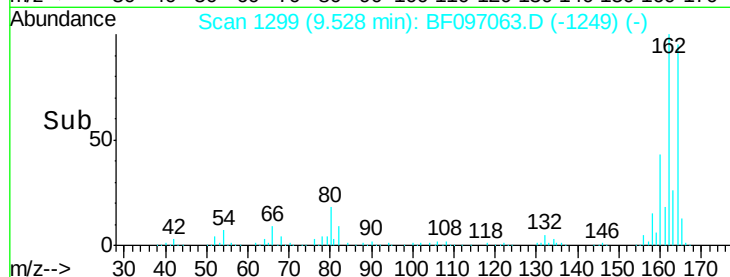
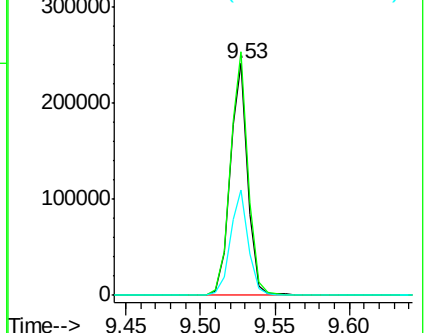
160 45.4 36.2 54.2



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: 12.17 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

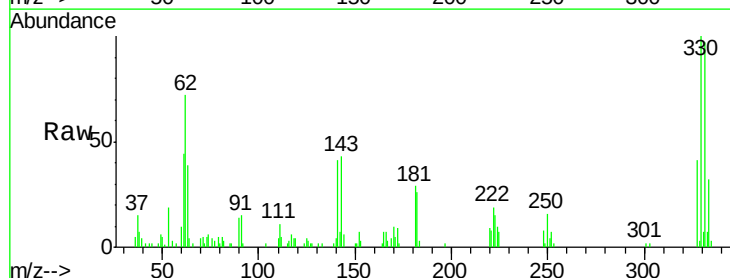
Tgt Ion:330 Resp: 19294

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

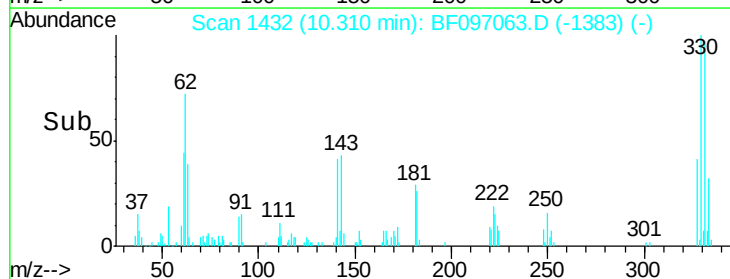
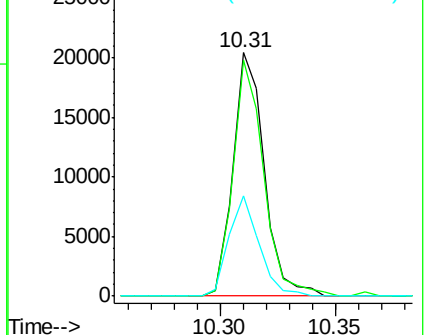
141 39.9 31.4 47.2

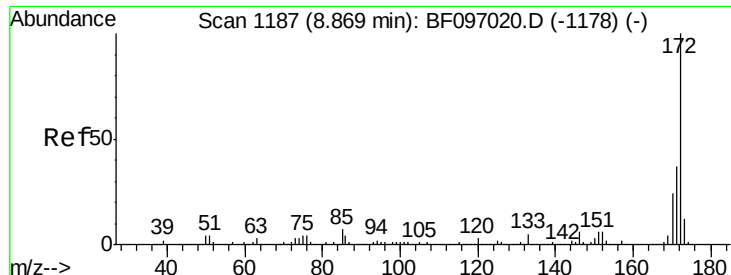


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

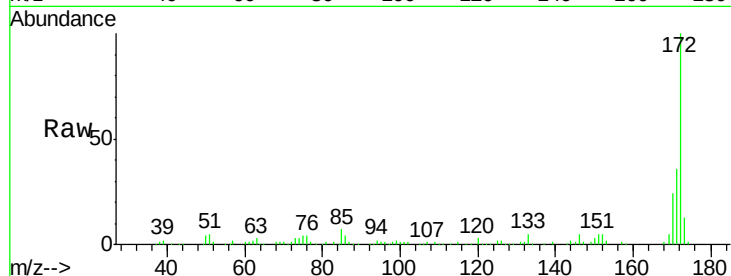




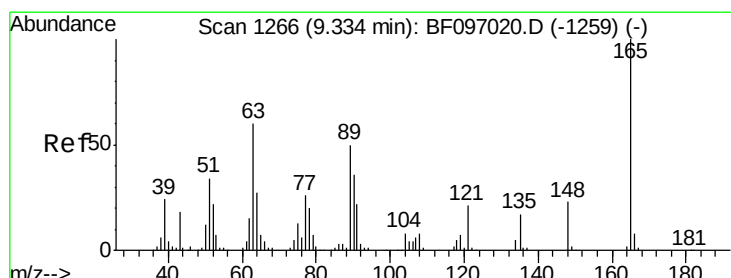
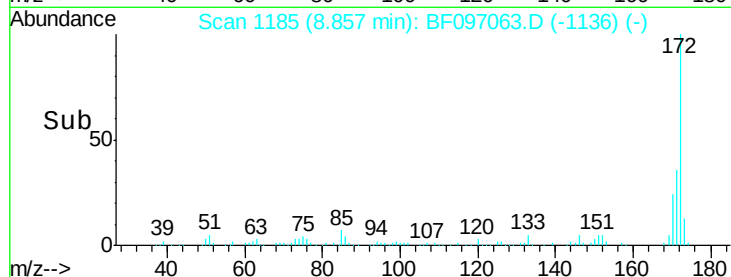
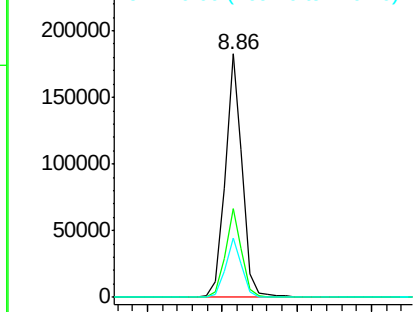
#44
 2-Fluorobiphenyl
 Concen: 12.43 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.3	19.8	29.8

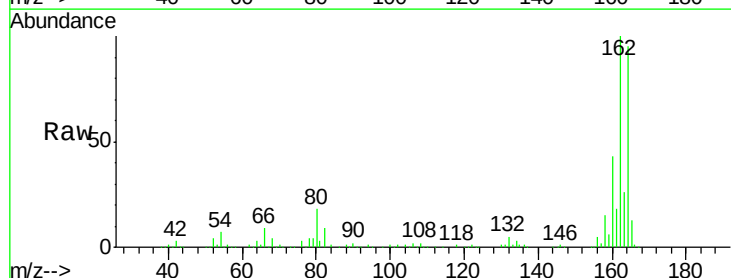


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

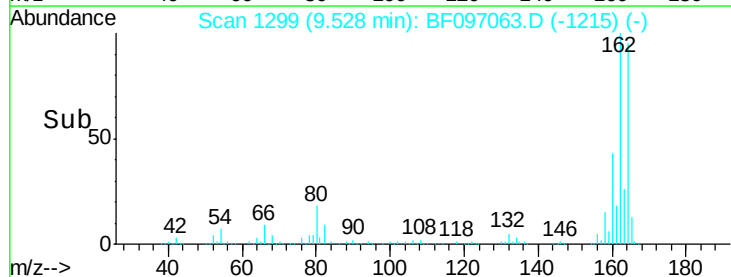
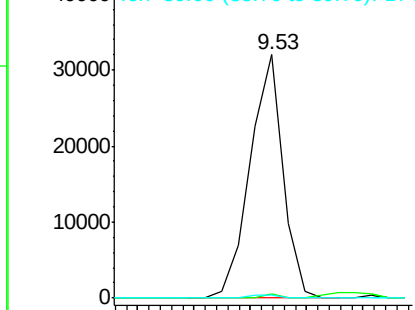


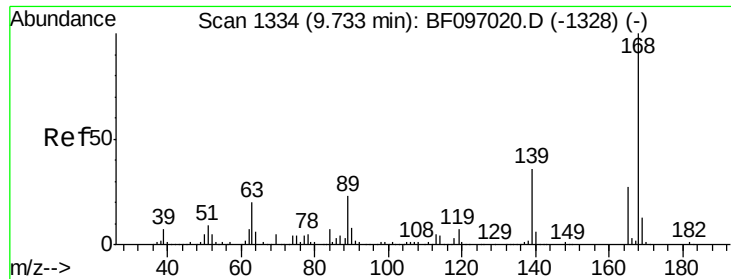
#50
 2,6-Dinitrotoluene
 Concen: 8.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.5	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

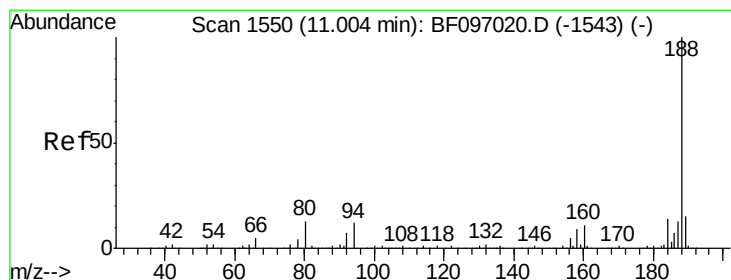
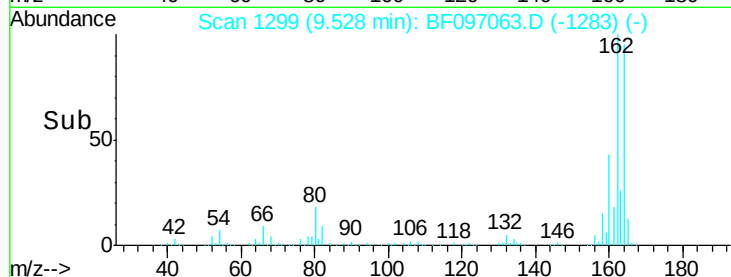
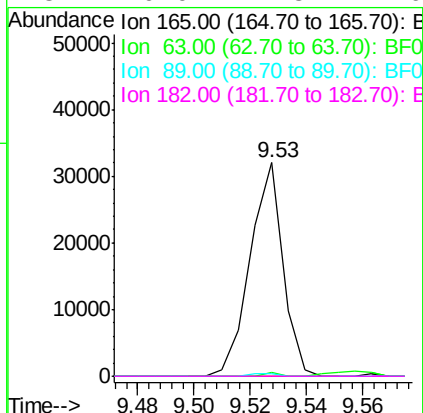
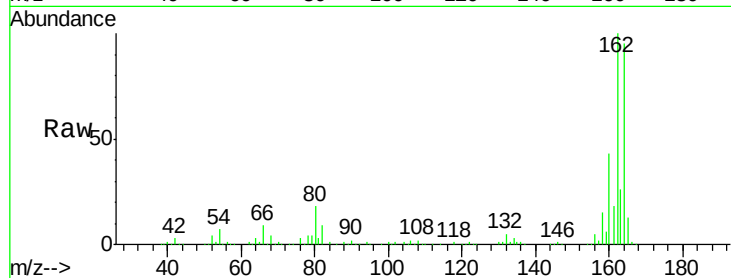




#56
 2,4-Dinitrotoluene
 Concen: 6.96 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

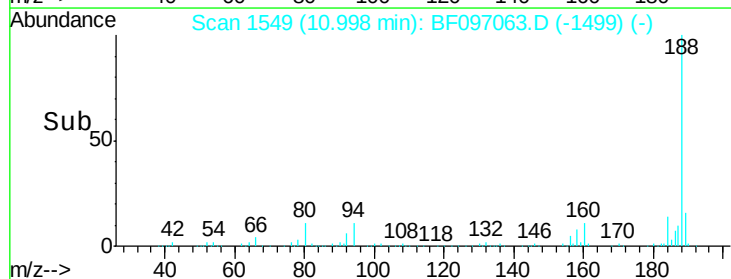
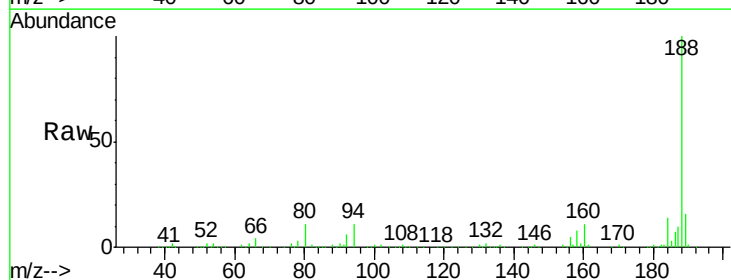
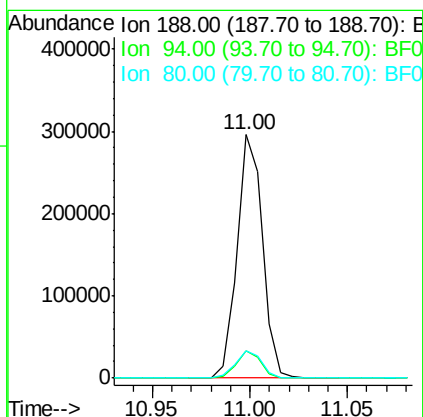
Instrument :
 BNA_F
 ClientSampleId :

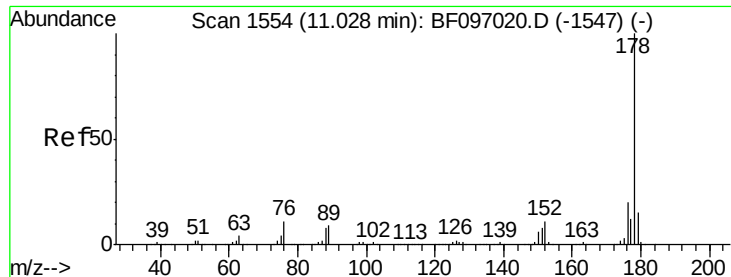
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	11.4	10.2	15.2





#70

Phenanthrene

Concen: 15.91 ng

RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

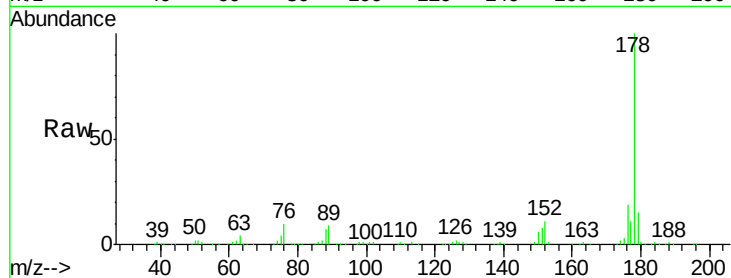
Tot Ion:178 Resp: 227409

Ion Ratio Lower Upper

178 100

176 18.8 16.2 24.4

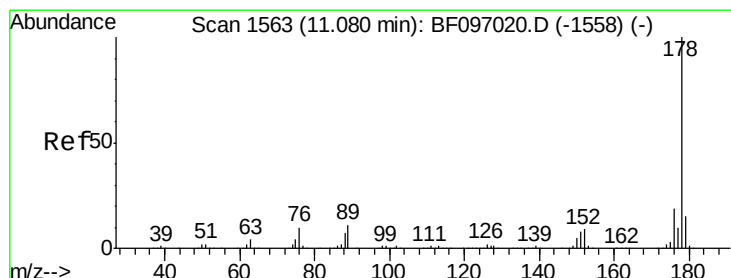
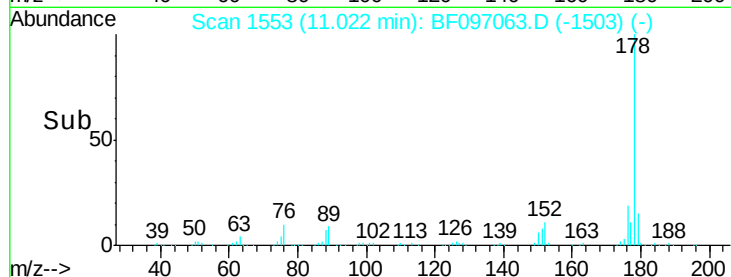
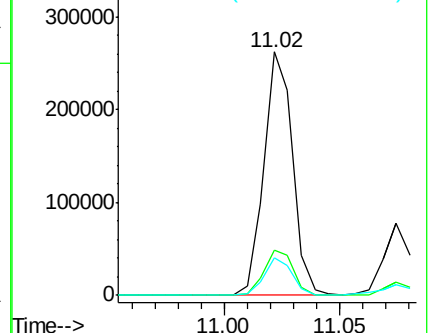
179 15.2 12.6 19.0



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



#71

Anthracene

Concen: 4.25 ng

RT: 11.07 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

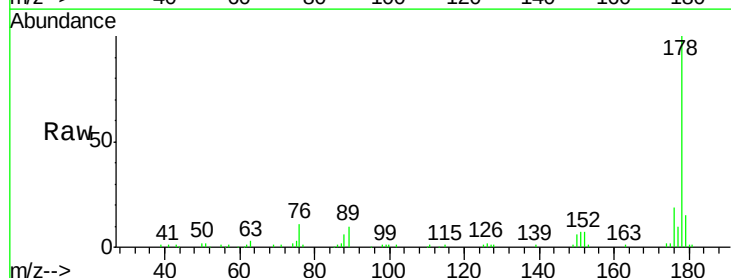
Tgt Ion:178 Resp: 62268

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

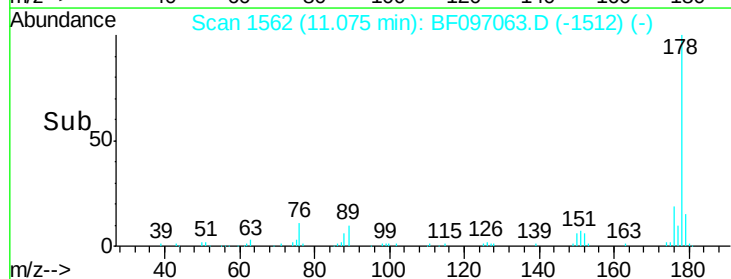
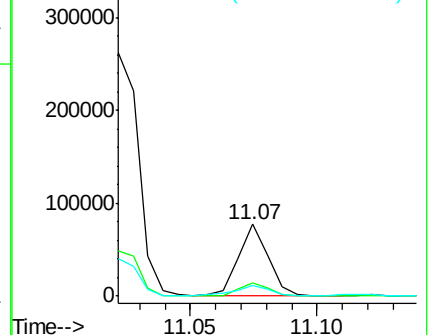
179 15.2 12.7 19.1

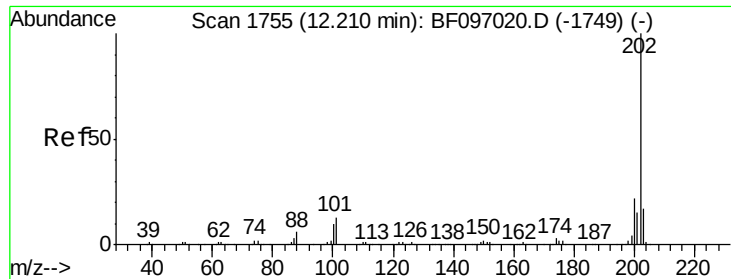


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.03 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097063.D

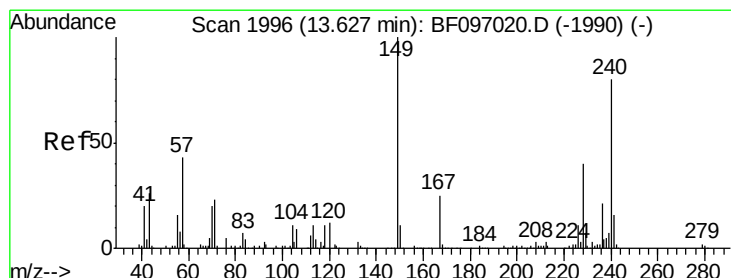
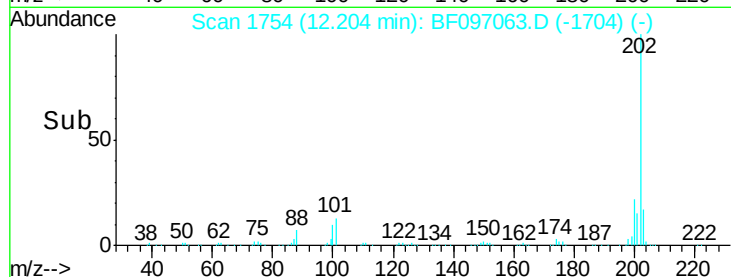
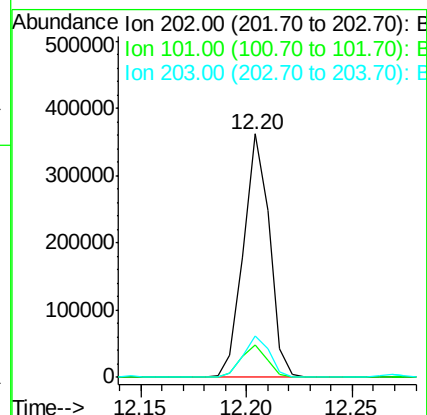
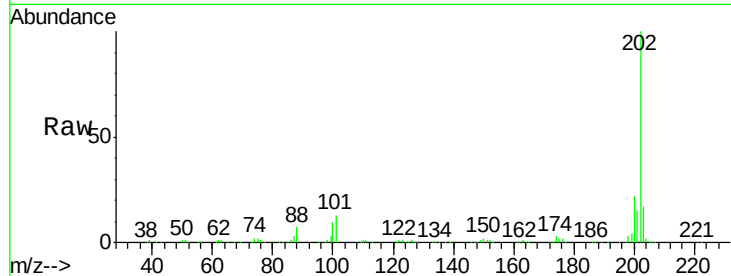
Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	308483
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.2	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

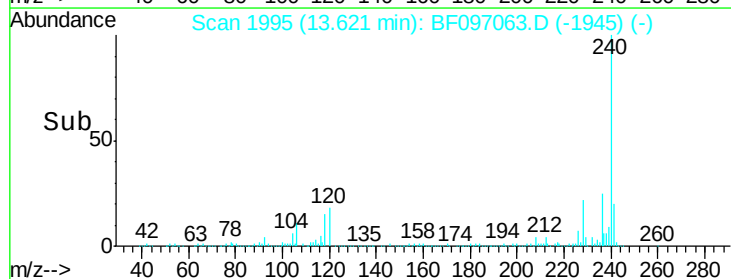
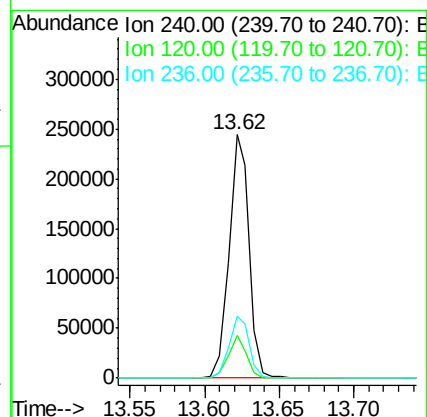
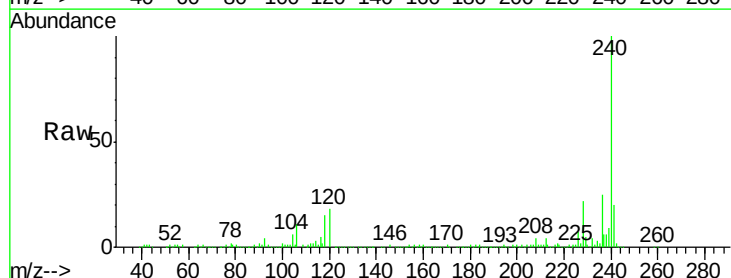
RT: 13.62 min Scan# 1995

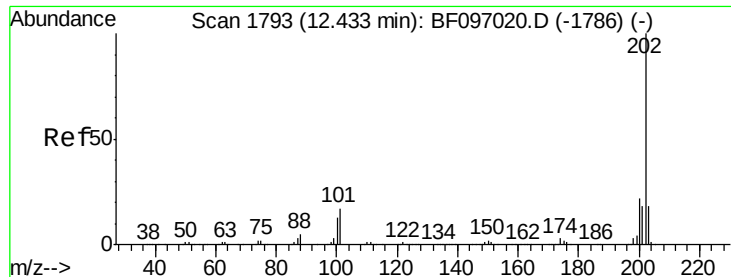
Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Tgt Ion:	240	Resp:	231552
Ion Ratio	Lower	Upper	
240	100		
120	17.5	5.8	8.8#
236	25.4	20.5	30.7





#77

Pvrene

Concen: 13.56 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

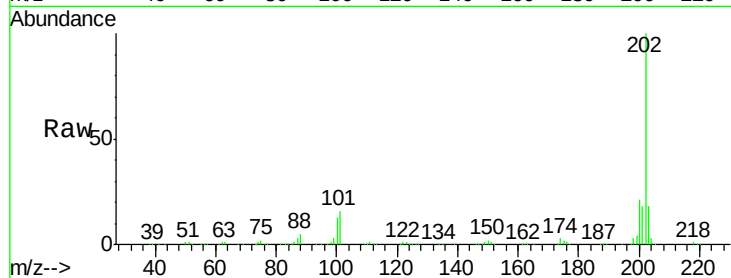
Tot Ion:202 Resp: 257124

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

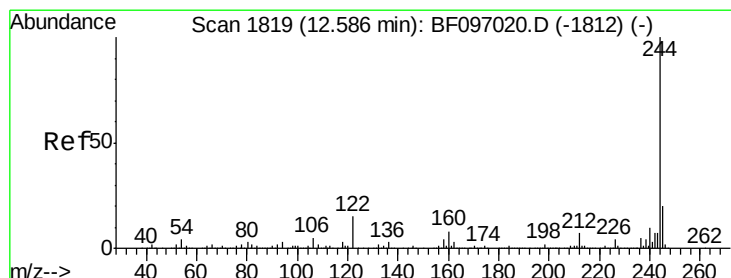
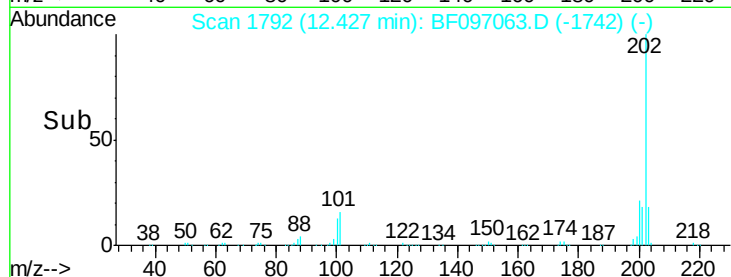
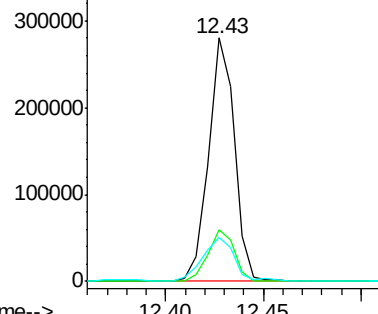
203 18.2 14.4 21.6



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: 7.11 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

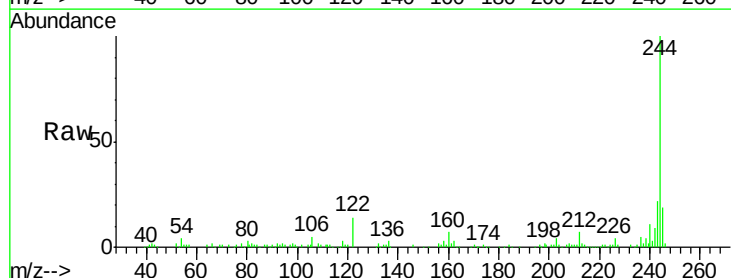
Tgt Ion:244 Resp: 80791

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

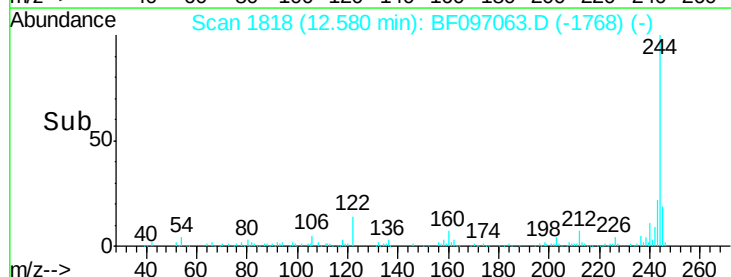
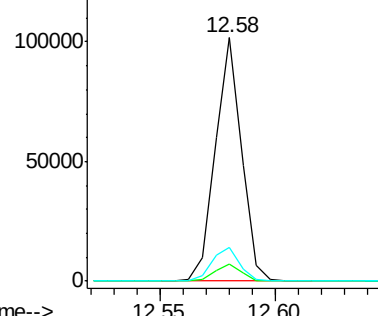
122 13.9 10.3 15.5

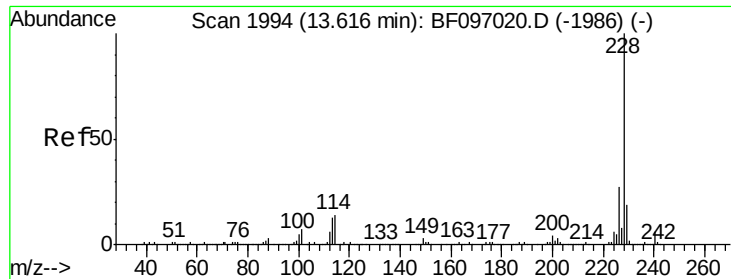


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.91 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

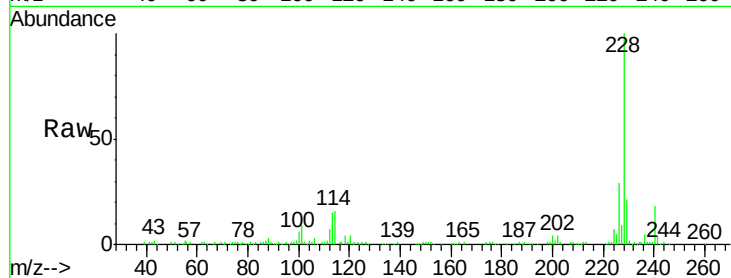
Tot Ion:228 Resp: 133488

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

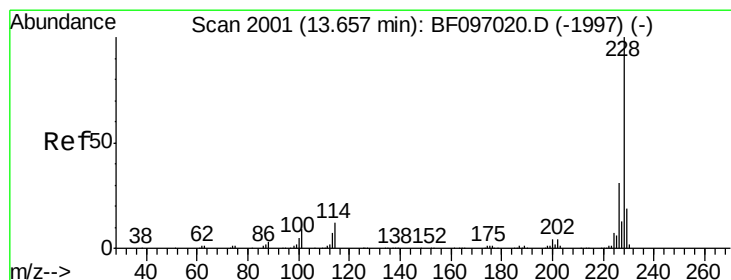
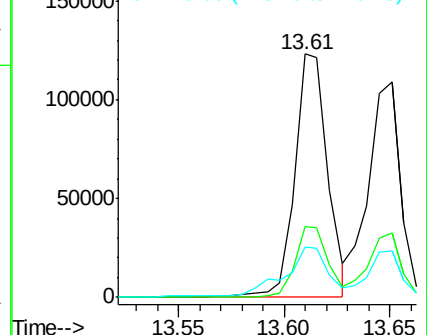
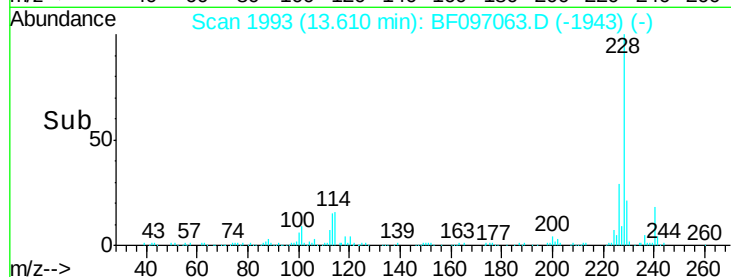
229 20.8 16.3 24.5



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: 8.05 ng

RT: 13.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

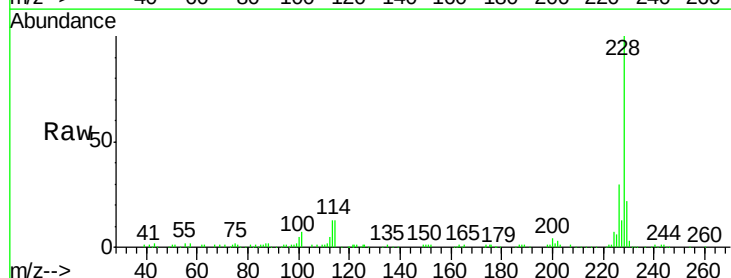
Tgt Ion:228 Resp: 117779

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

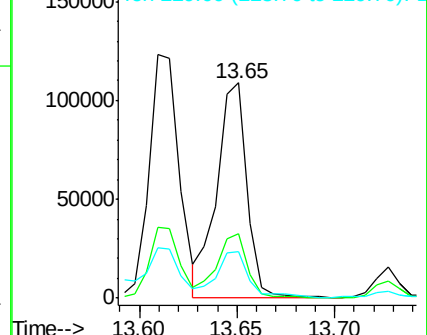
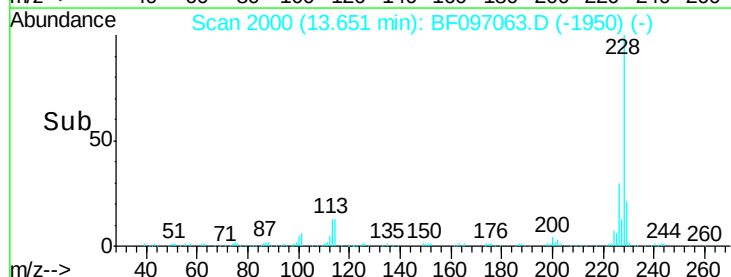
229 21.7 15.8 23.6

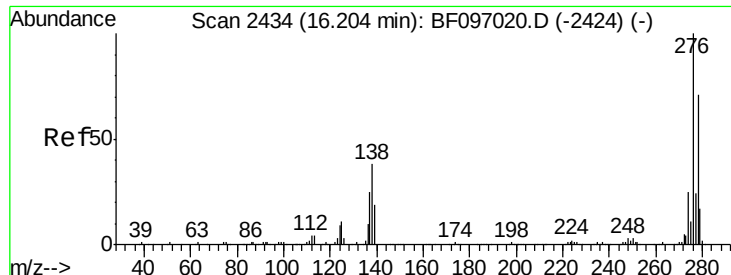


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

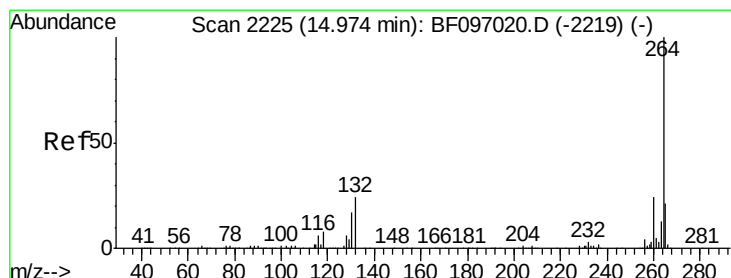
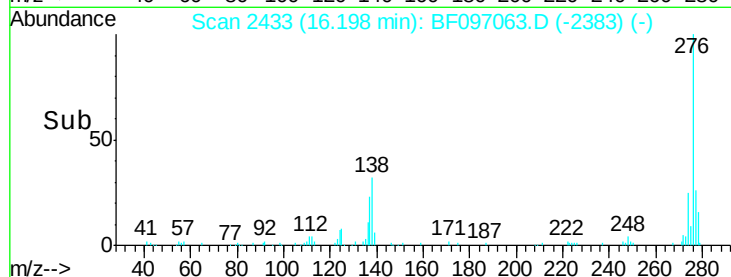
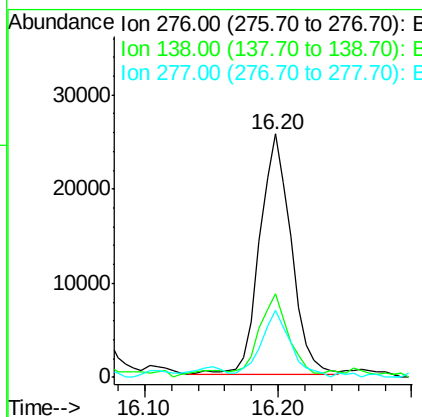
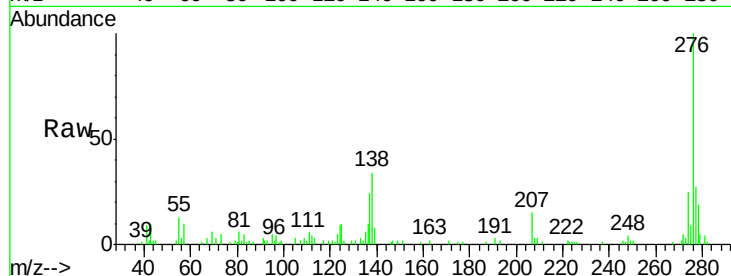




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.31 ng
 RT: 16.20 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

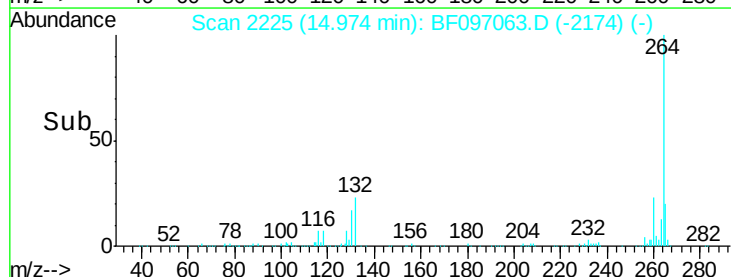
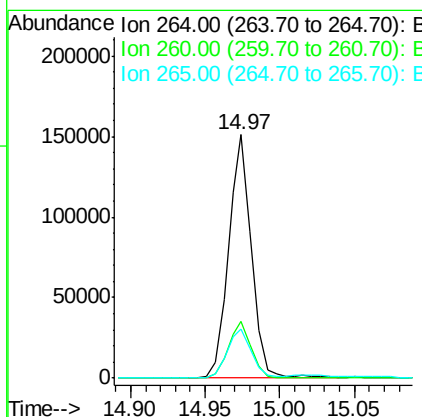
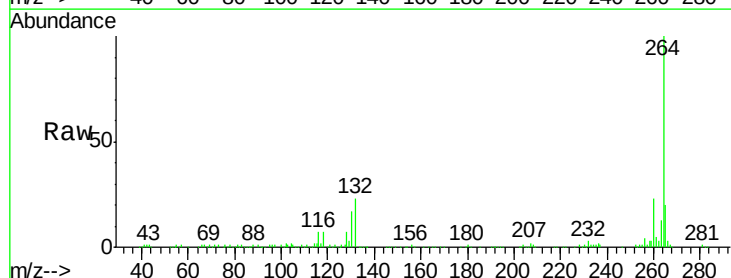
Instrument :
 BNA_F
 ClientSampleId :

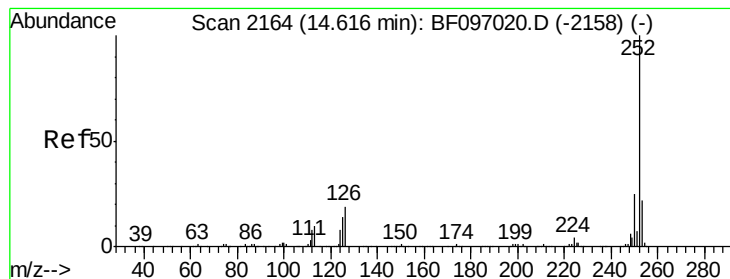
Tot Ion:276 Resp: 41572
 Ion Ratio Lower Upper
 276 100
 138 33.7 27.8 41.6
 277 26.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097063.D
 Acq: 26 Jul 2017 7:56

Tgt Ion:264 Resp: 162640
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 20.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 14.93 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

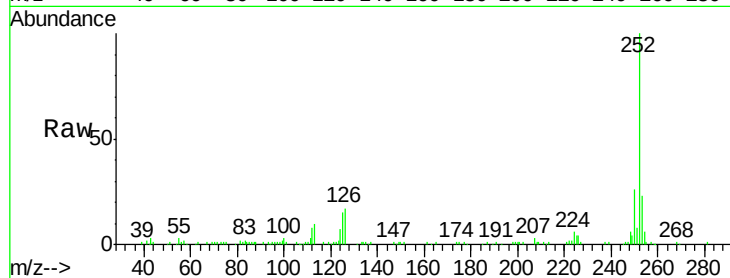
Tot Ion:252 Resp: 145995

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

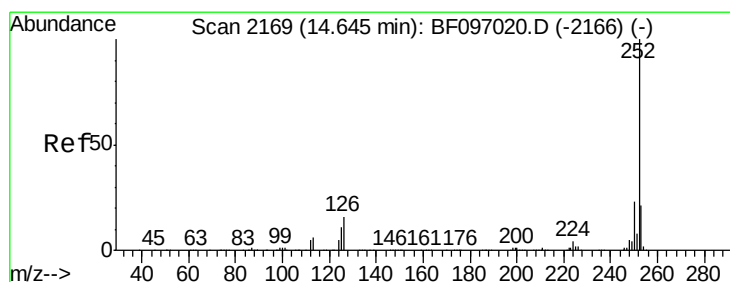
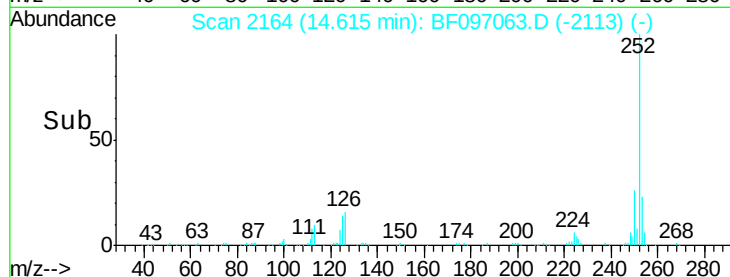
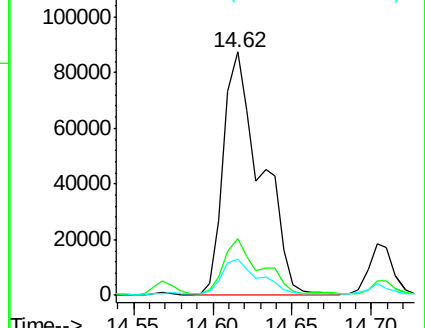
125 14.7 9.8 14.8



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: 15.67 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.03 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

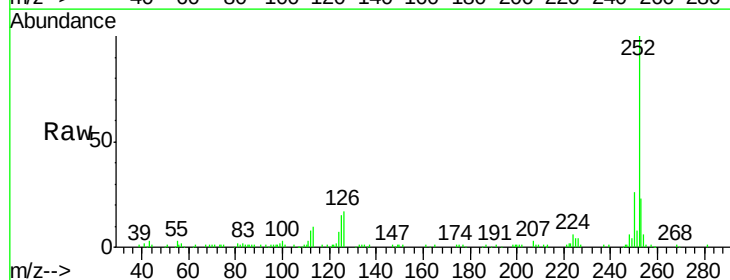
Tgt Ion:252 Resp: 145995

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

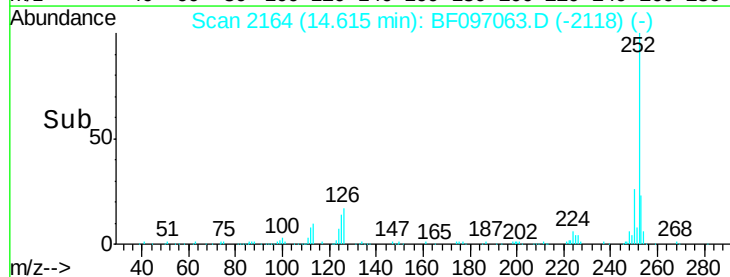
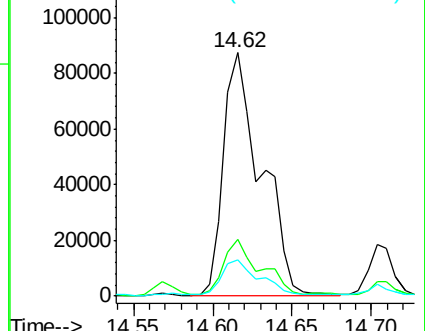
125 14.7 13.1 19.7

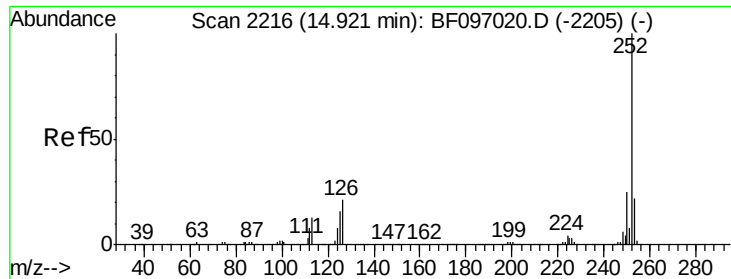


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.33 ng

RT: 14.92 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF097063.D

Acq: 26 Jul 2017 7:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 83504

Ion Ratio Lower Upper

252 100

253 20.4 17.5 26.3

125 14.8 11.0 16.4

