

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097493.D
 Acq On : 9 Aug 2017 2:47
 Operator : SJ/JU
 Sample : I4652-07 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-1338-B-COMP

Quant Time: Aug 09 03:16:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

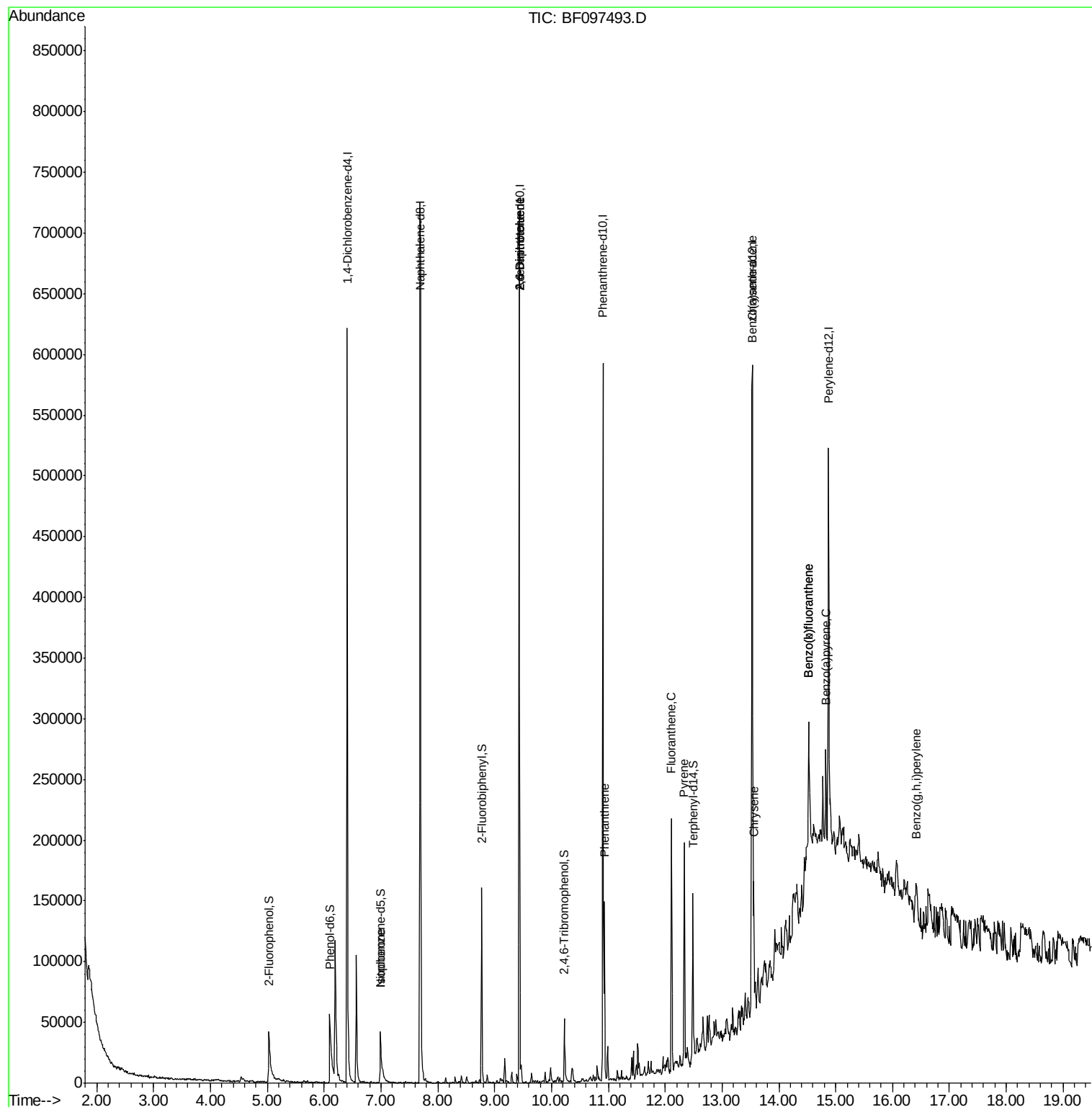
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	95871	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	364589	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	138335	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	207306	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	170851	20.00	ng	0.00
86) Perylene-d12	14.87	264	128345	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	32335	5.08	ng	0.02
7) Phenol-d6	6.10	99	47555	6.55	ng	0.01
23) Nitrobenzene-d5	6.99	82	27271	4.39	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	6499	5.95	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	52461	6.44	ng	0.00
78) Terphenyl-d14	12.49	244	34515	4.12	ng	-0.01
Target Compounds						
25) Isophorone	6.99	82	27271	2.24	ng	# 67
50) 2,6-Dinitrotoluene	9.43	165	18109	8.13	ng	# 33
56) 2,4-Dinitrotoluene	9.43	165	18109	7.07	ng	# 32
70) Phenanthrene	10.93	178	57870	5.21	ng	100
74) Fluoranthene	12.11	202	84675	7.78	ng	99
77) Pyrene	12.34	202	76660	5.48	ng	98
80) Benzo(a)anthracene	13.52	228	38337	3.47	ng	96
82) Chrysene	13.56	228	34943	3.24	ng	96
87) Benzo(b)fluoranthene	14.53	252	57818	7.49	ng	# 94
88) Benzo(k)fluoranthene	14.53	252	57818	7.86	ng	98
89) Benzo(a)pyrene	14.83	252	29736	4.21	ng	# 91
91) Benzo(a,h,i)perylene	16.43	276	15200	2.50	ng	# 90

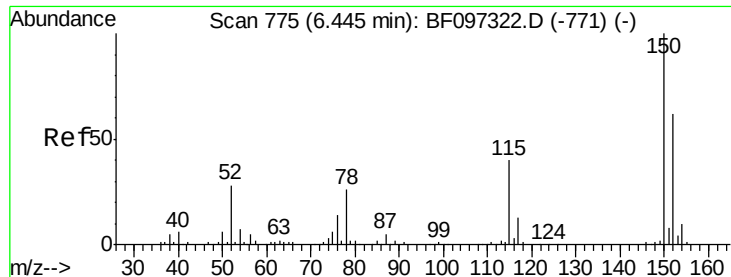
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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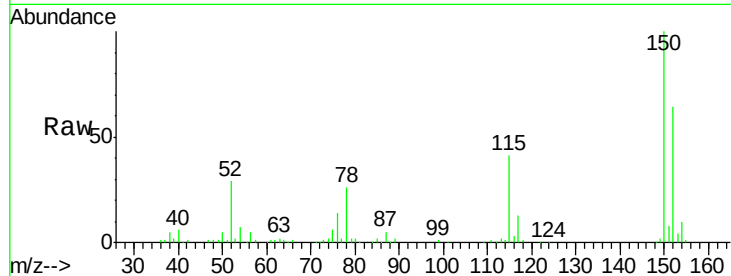


#1

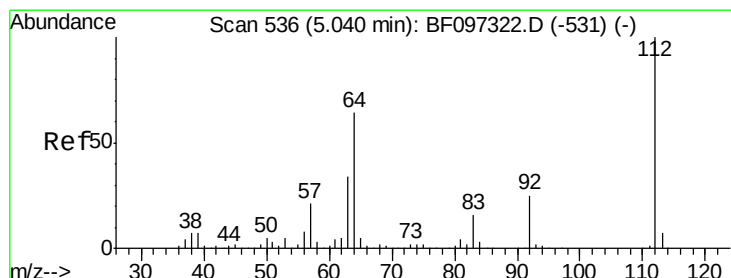
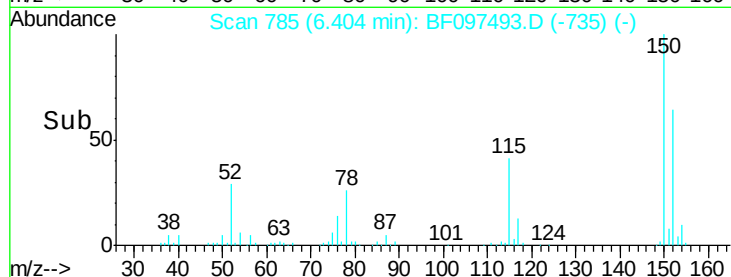
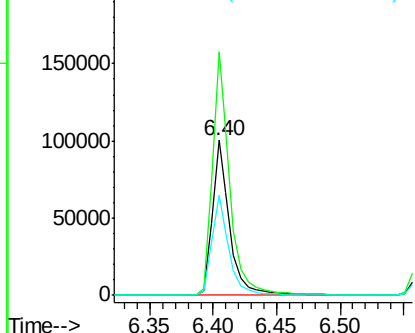
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

Instrument :
BNA_F
ClientSampleId :
L-1338-B-COMP

Tot Ion:152 Resp: 95871
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 64.7 52.2 78.2



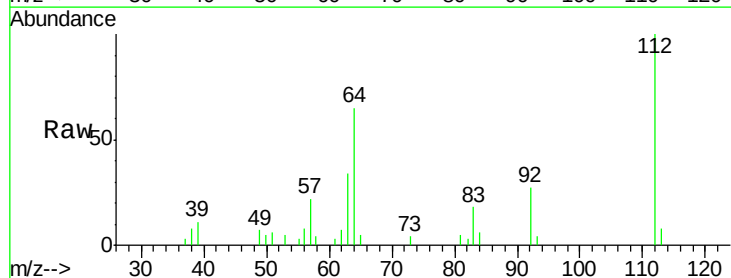
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



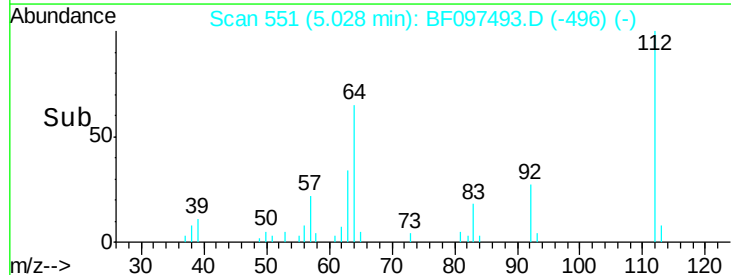
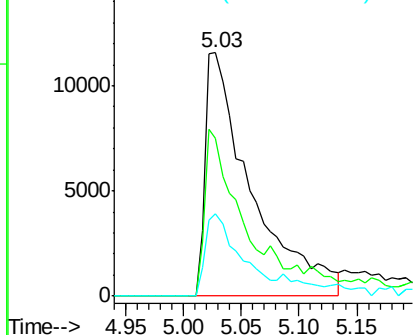
#5

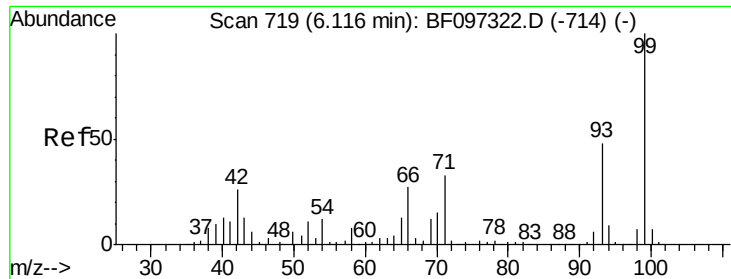
2-Fluorophenol
Concen: 5.08 ng
RT: 5.03 min Scan# 551
Delta R.T. 0.02 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

Tgt Ion:112 Resp: 32335
Ion Ratio Lower Upper
112 100
64 65.1 46.0 69.0
63 33.8 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: 6.55 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

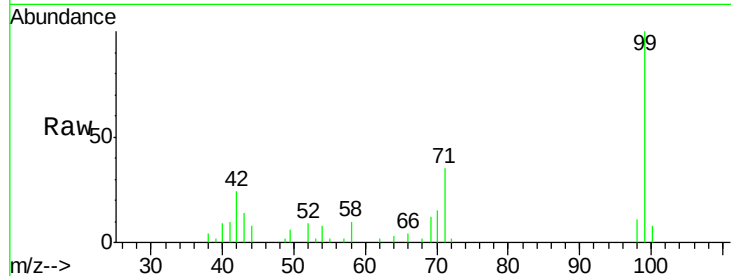
BNA_F

ClientSampleId :

L-1338-B-COMP

Tot Ion: 99 Resp: 47555

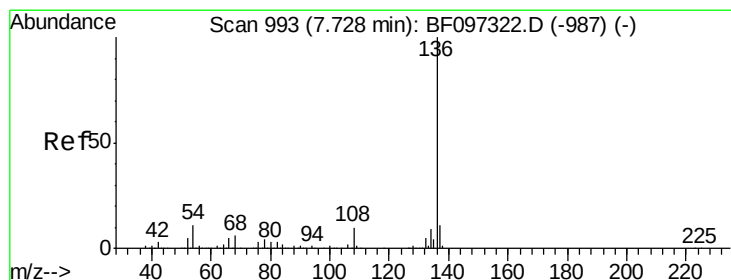
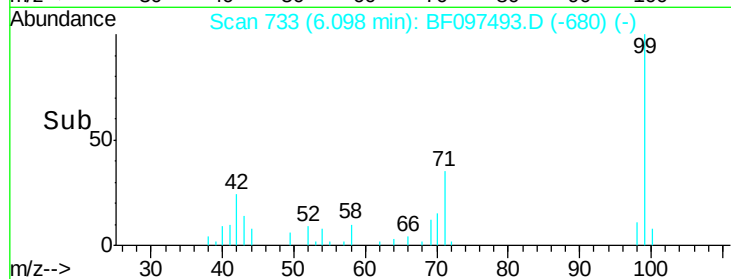
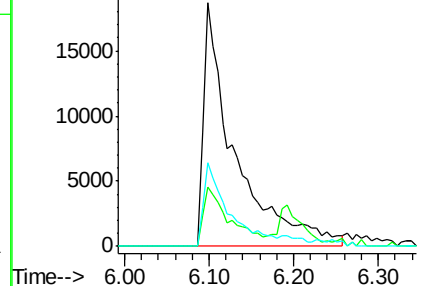
Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.5	20.3#
71	34.5	24.5	36.7



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: 7.69 min Scan# 1003

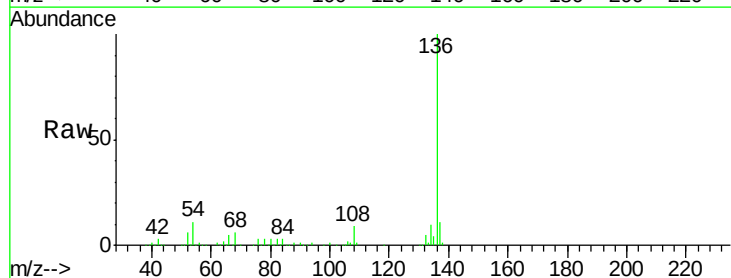
Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Tgt Ion: 136 Resp: 364589

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.3	4.9	7.3#
68	5.8	4.1	6.1

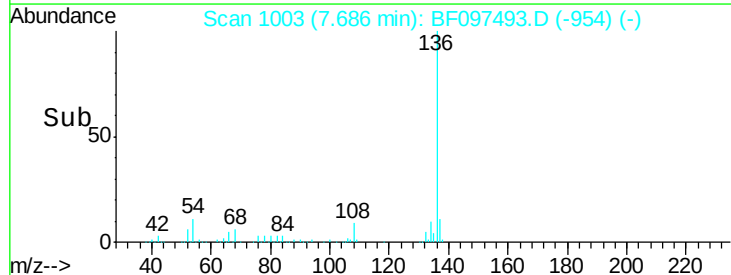
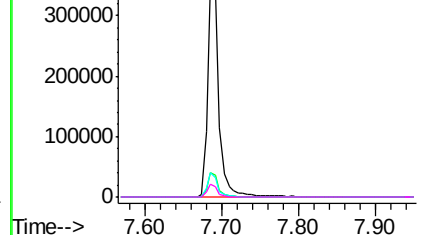


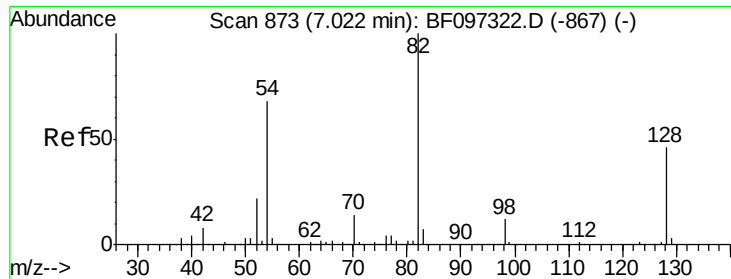
Abundance Ion 136.00 (135.70 to 136.70): E

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

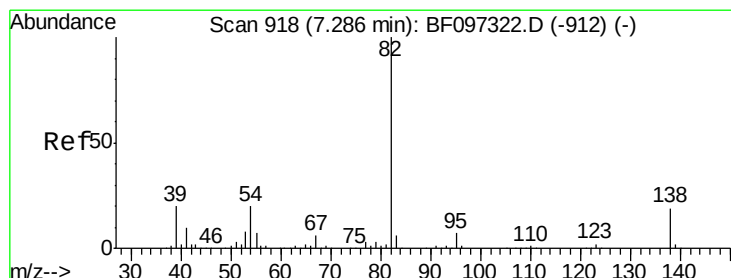
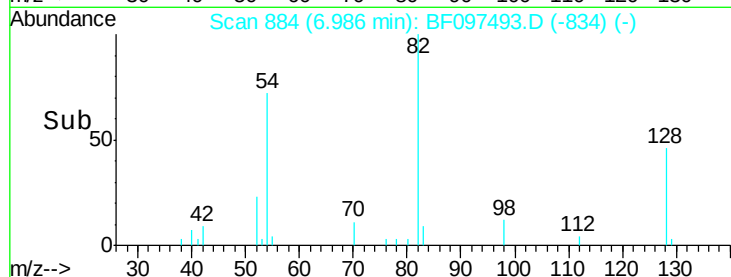
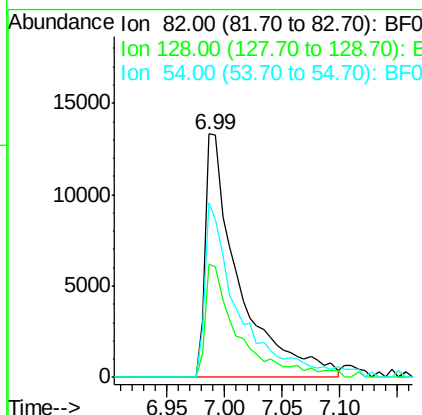
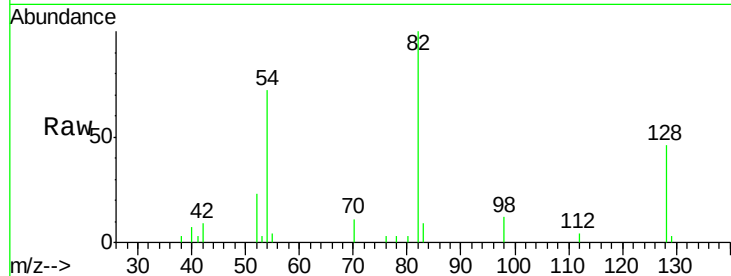




#23
Nitrobenzene-d5
Concen: 4.39 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

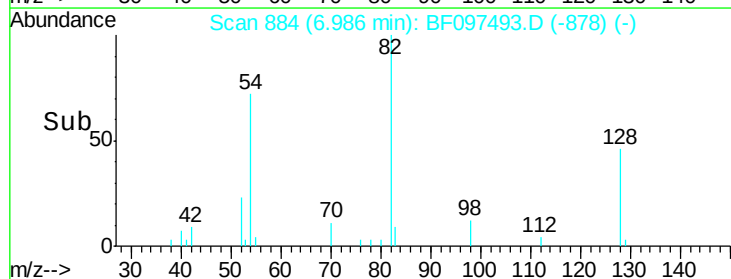
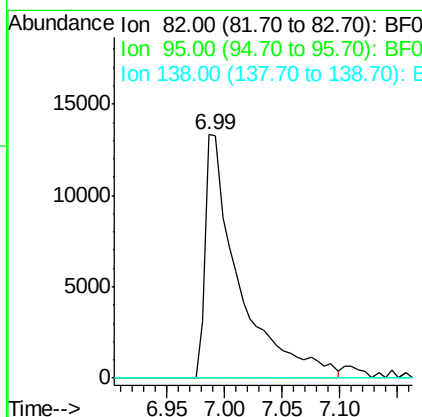
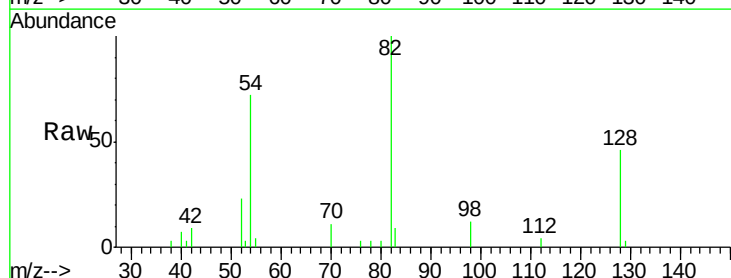
Instrument :
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L-1338-B-COMP

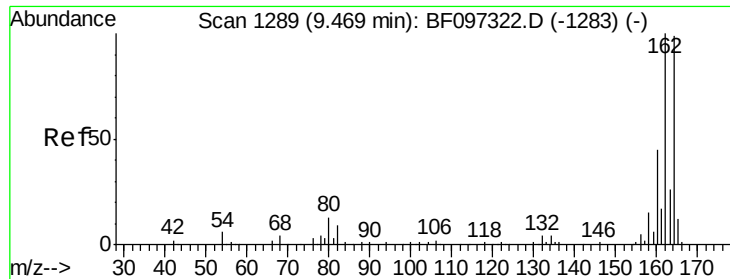
Tot Ion: 82 Resp: 27271
Ion Ratio Lower Upper
82 100
128 46.2 34.0 51.0
54 71.7 42.2 63.2#



#25
Isophorone
Concen: 2.24 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

Tgt Ion: 82 Resp: 27271
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

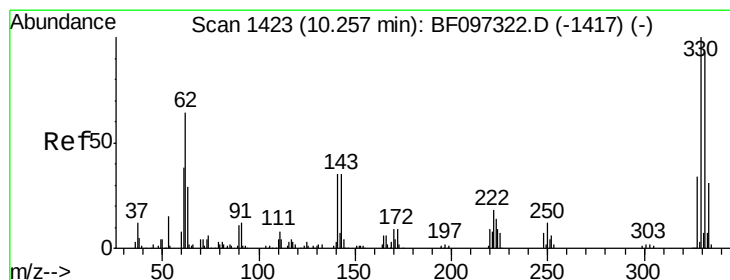
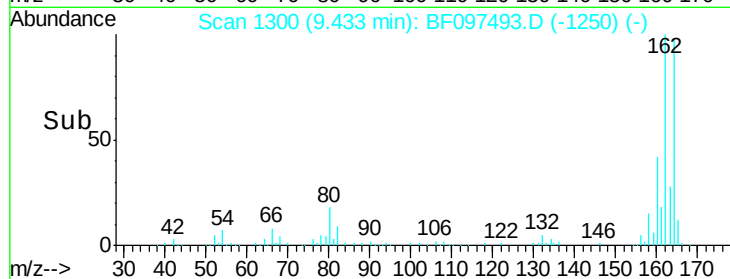
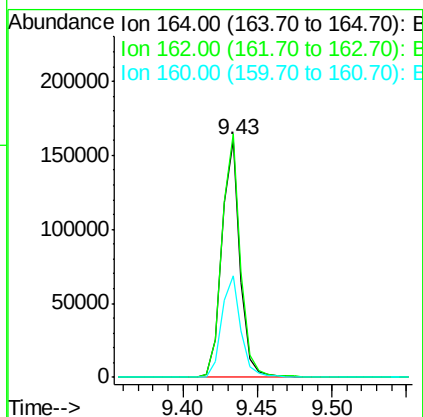
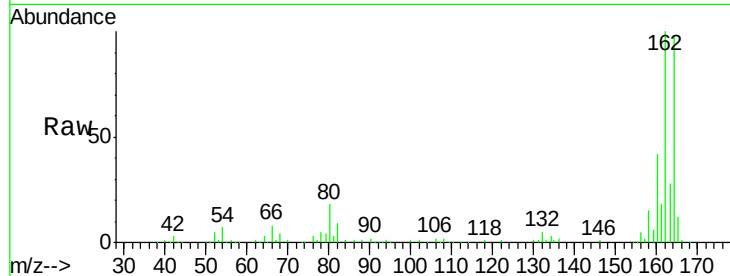




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.43 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

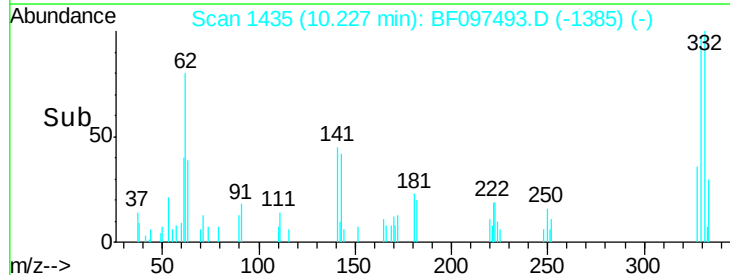
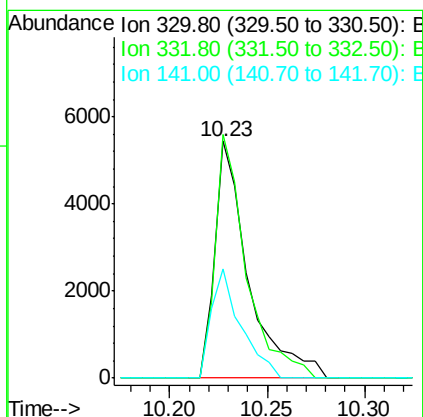
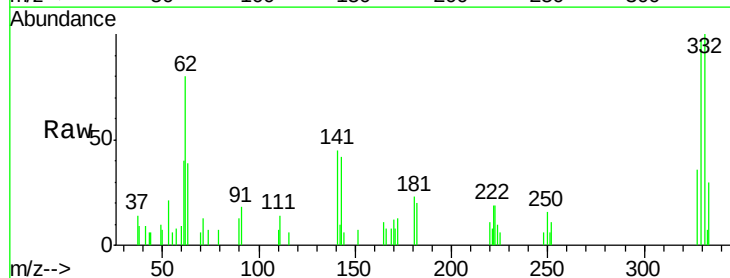
Instrument :
BNA_F
ClientSampleId :
L-1338-B-COMP

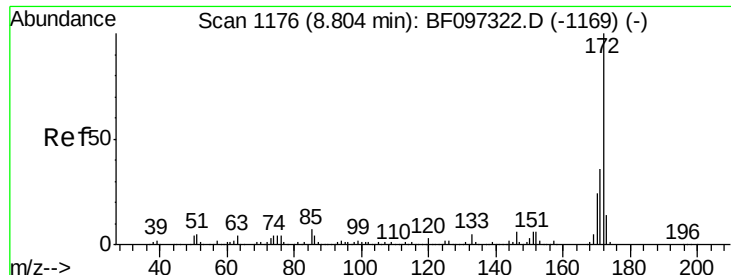
Tot Ion:164 Resp: 138335
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 43.0 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 5.95 ng
RT: 10.23 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

Tgt Ion:330 Resp: 6499
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 40.3 31.4 47.2

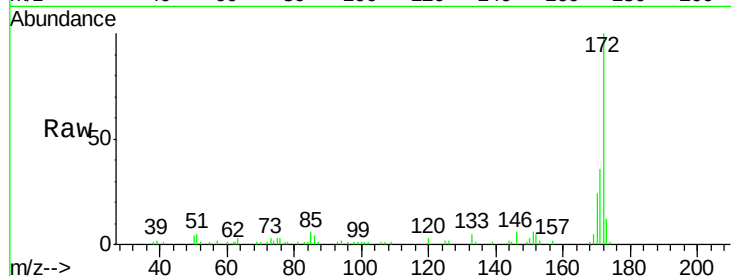




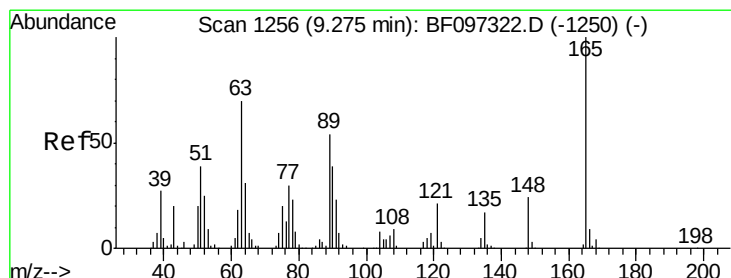
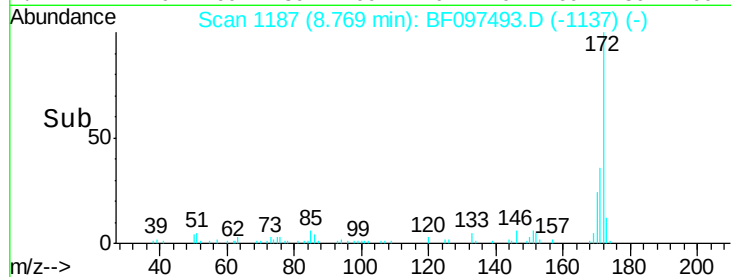
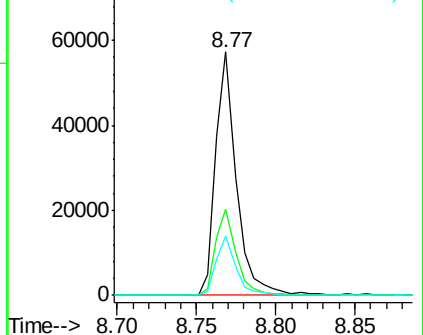
#44
 2-Fluorobiphenyl
 Concen: 6.44 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097493.D
 Acq: 9 Aug 2017 2:47

Instrument :
 BNA_F
 ClientSampleId :
 L-1338-B-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.1	19.8	29.8

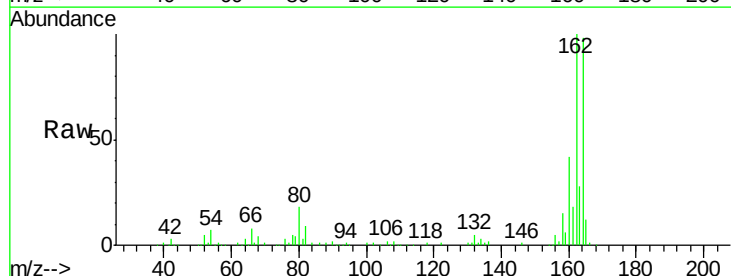


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

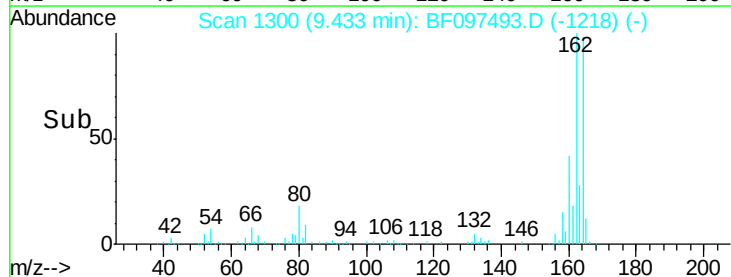
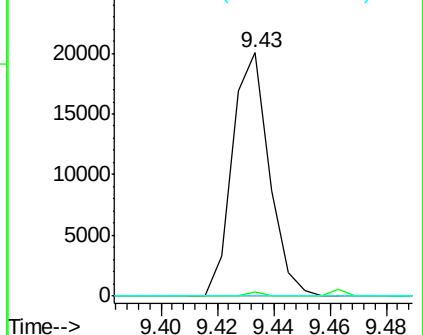


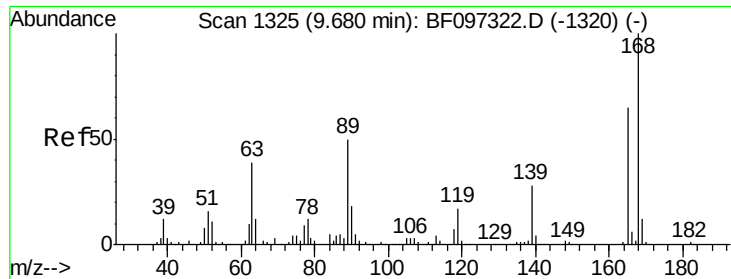
#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. 0.18 min
 Lab File: BF097493.D
 Acq: 9 Aug 2017 2:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	0.0	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

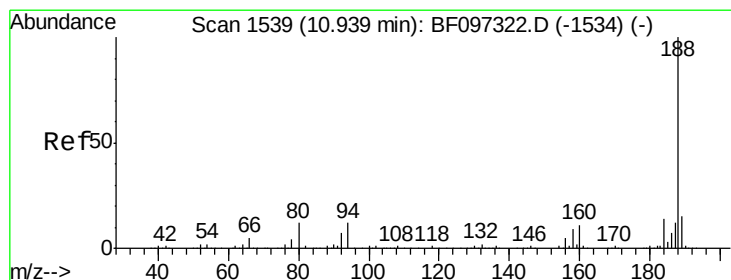
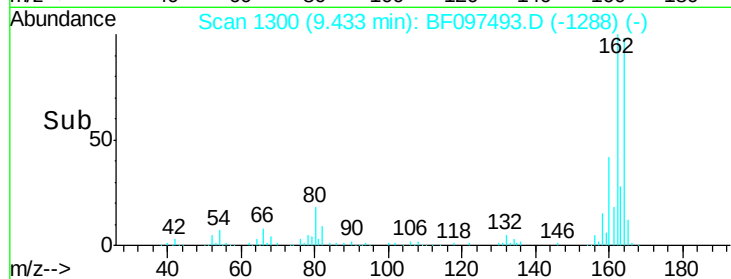
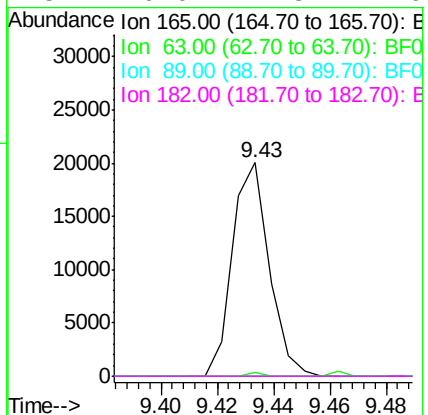
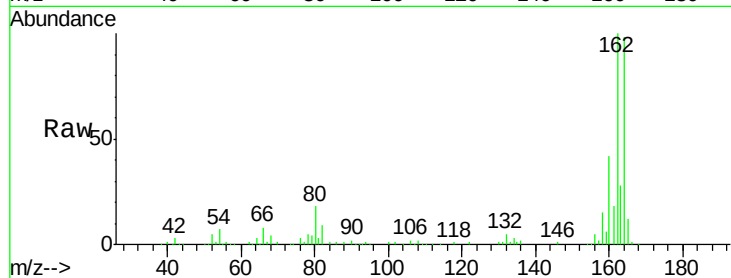




#56
 2,4-Dinitrotoluene
 Concen: 7.07 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.23 min
 Lab File: BF097493.D
 Acq: 9 Aug 2017 2:47

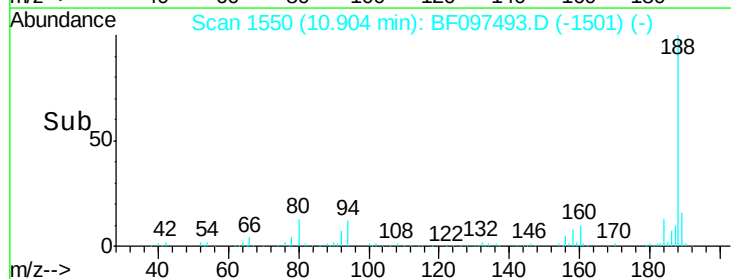
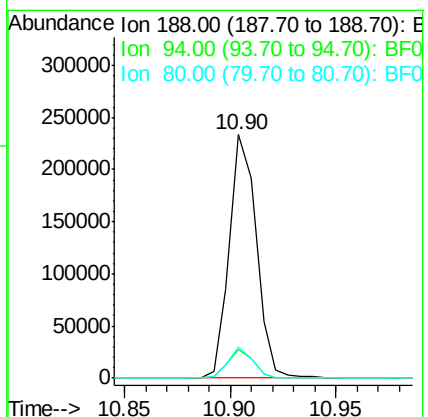
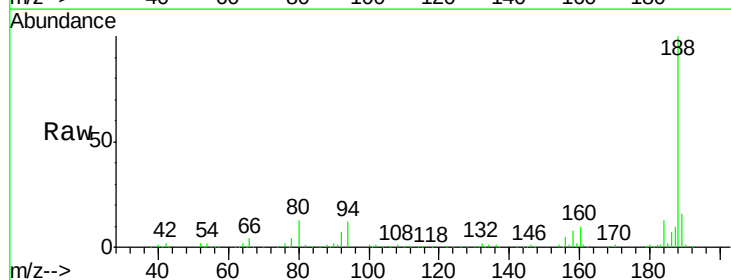
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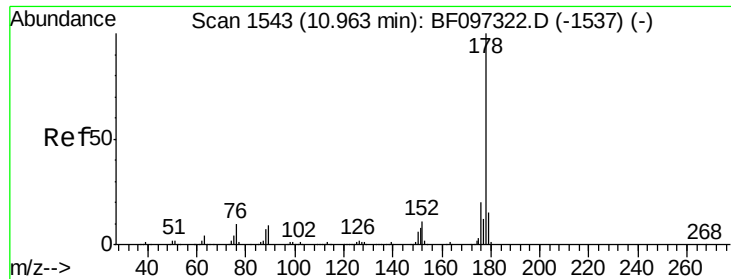
Tot Ion:	165	Resp:	18109
Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097493.D
 Acq: 9 Aug 2017 2:47

Tgt Ion:	188	Resp:	207306
Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.7	10.2	15.2





#70

Phenanthrene

Concen: 5.21 ng

RT: 10.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

BNA_F

ClientSampleId :

L-1338-B-COMP

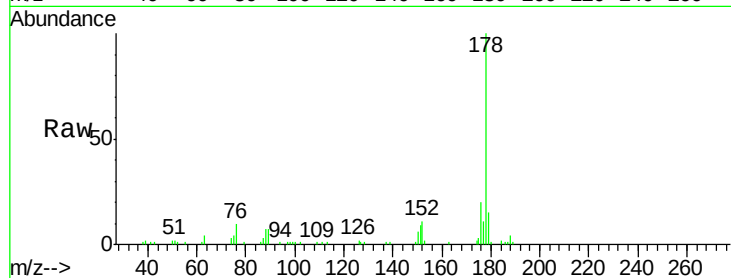
Tot Ion:178 Resp: 57870

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

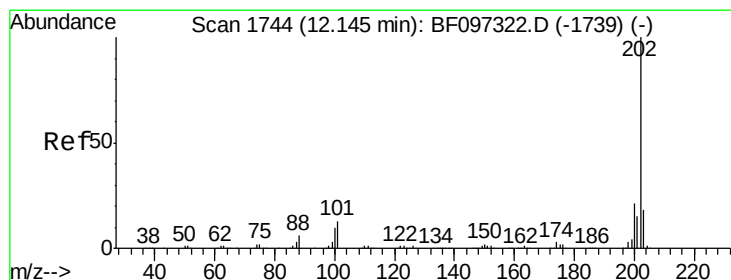
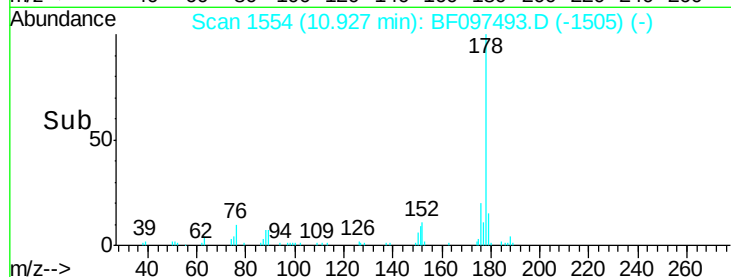
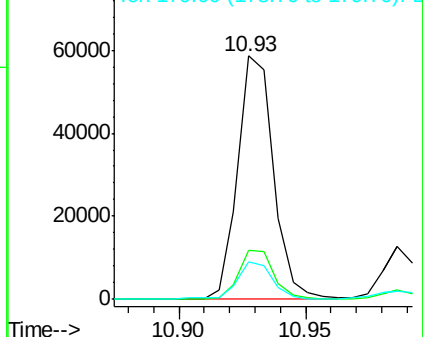
179 15.5 12.6 19.0



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: 7.78 ng

RT: 12.11 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

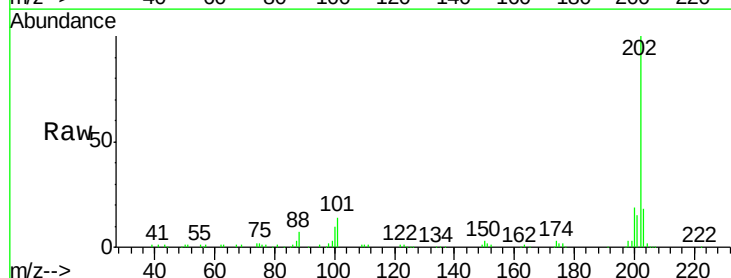
Tgt Ion:202 Resp: 84675

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

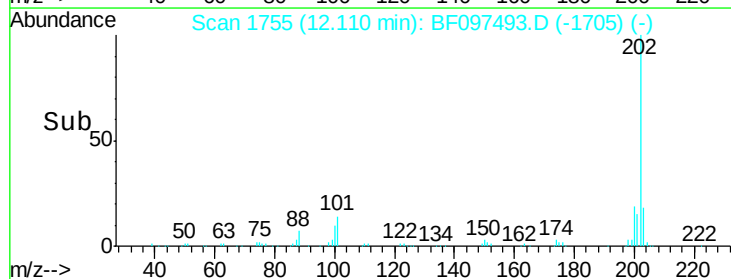
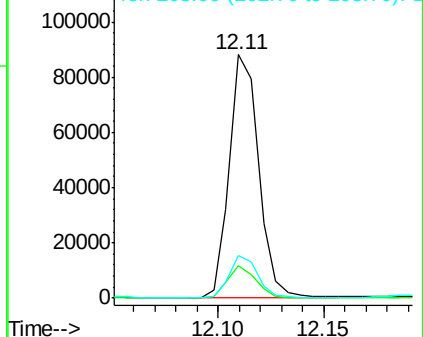
203 17.6 0.0 38.1

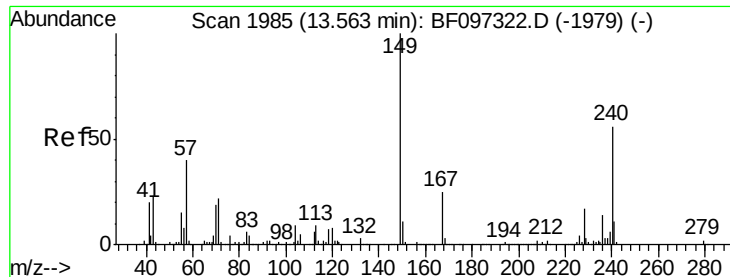


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

BNA_F

ClientSampleId :

L-1338-B-COMP

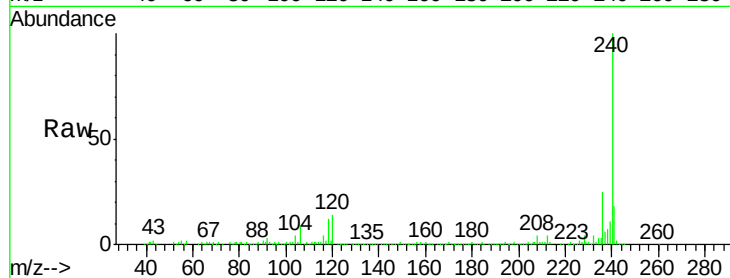
Tot Ion:240 Resp: 170851

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

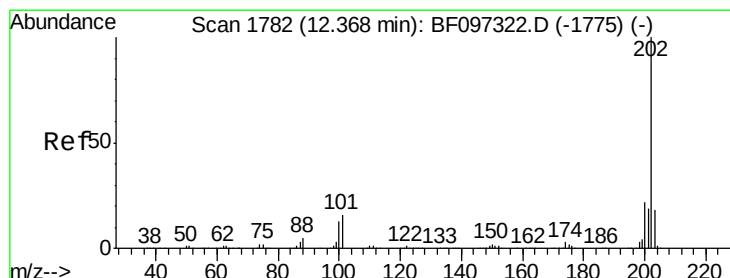
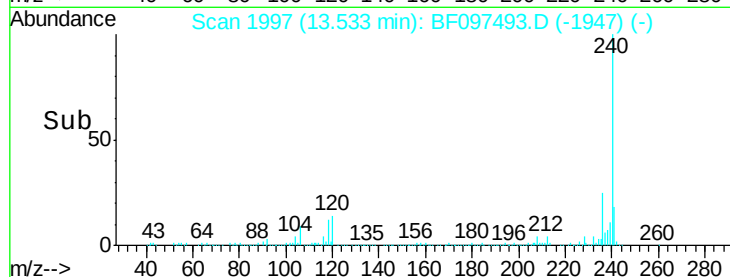
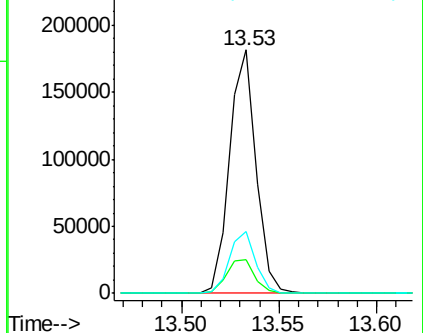
236 25.3 20.5 30.7



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

Pyrene

Concen: 5.48 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

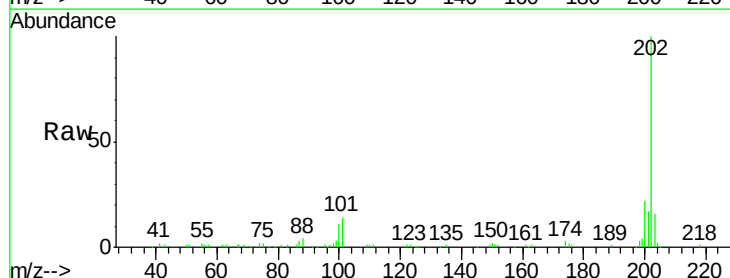
Tgt Ion:202 Resp: 76660

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

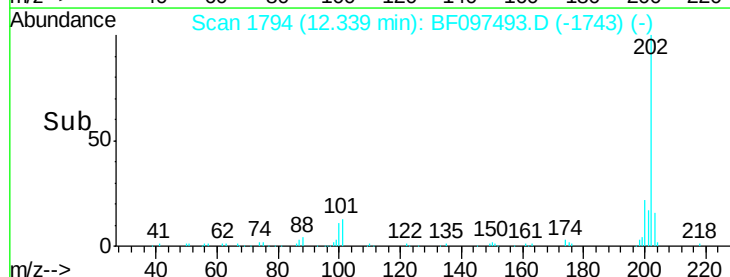
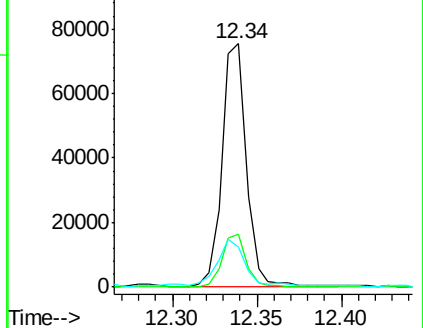
203 16.4 14.4 21.6

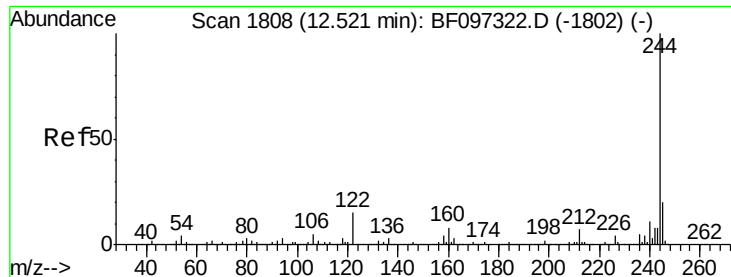


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.12 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

BNA_F

ClientSampleId :

L-1338-B-COMP

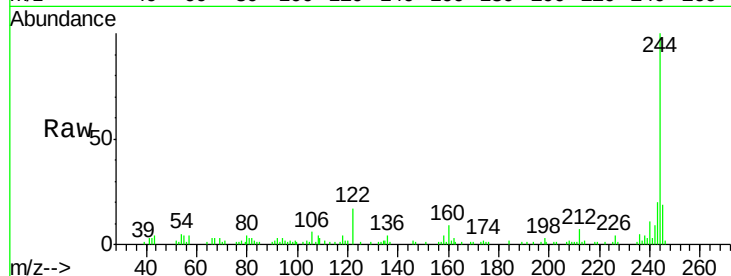
Tot Ion:244 Resp: 34515

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 16.8 10.3 15.5#

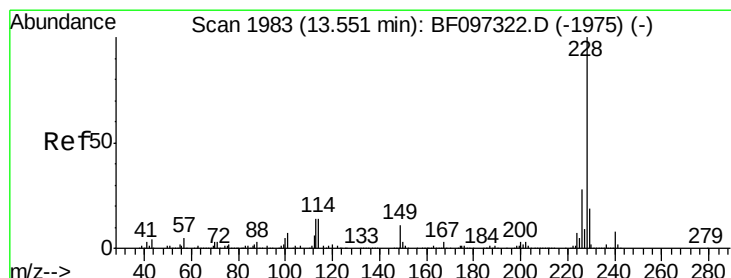
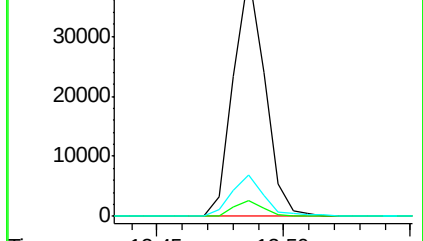
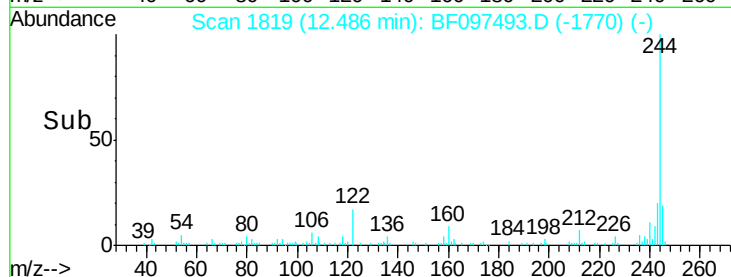


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 3.47 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

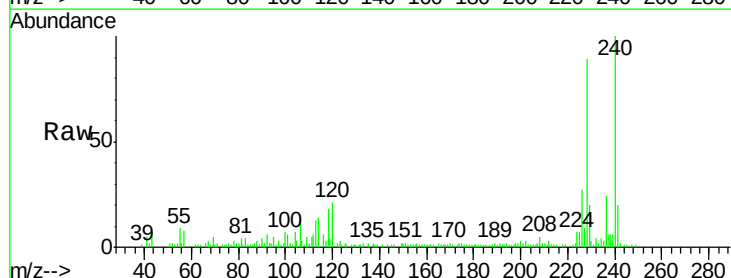
Tgt Ion:228 Resp: 38337

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 22.4 16.3 24.5

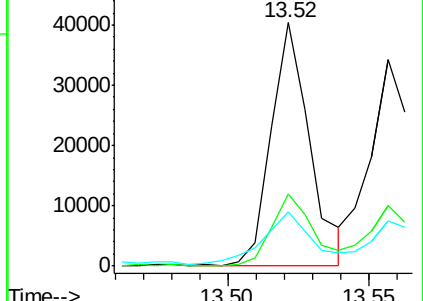
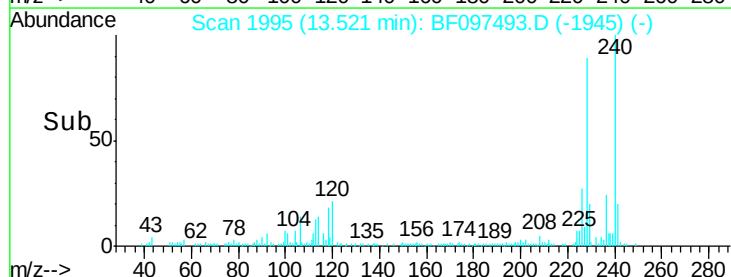


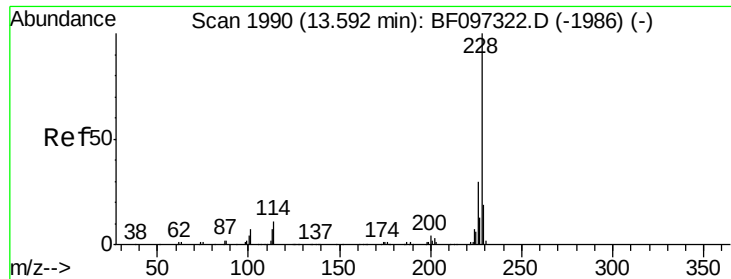
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->

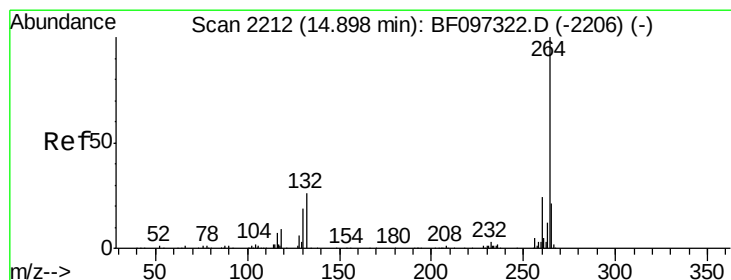
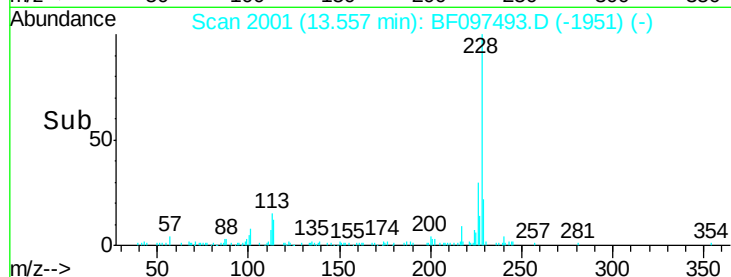
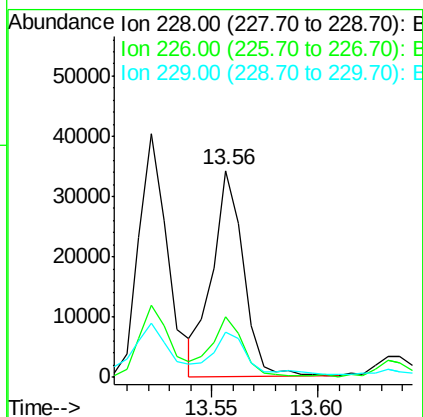
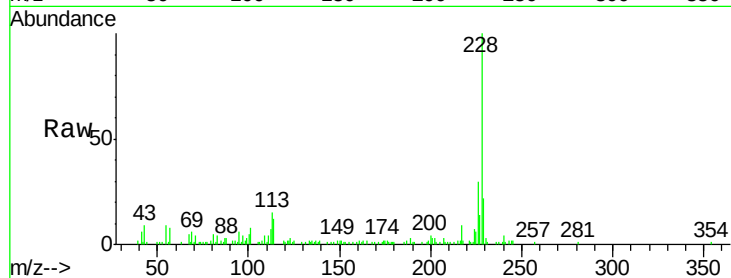




#82
Chrysene
Concen: 3.24 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

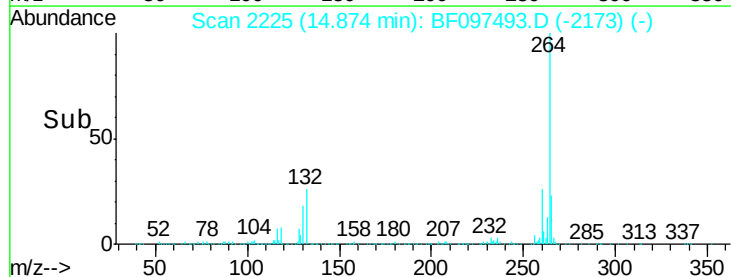
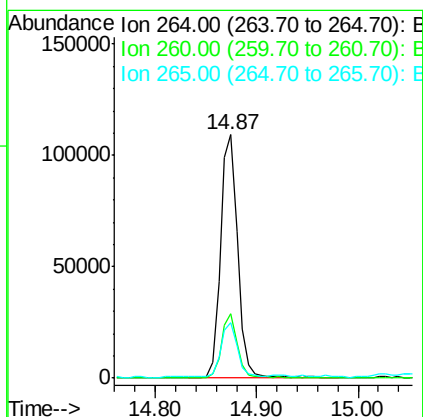
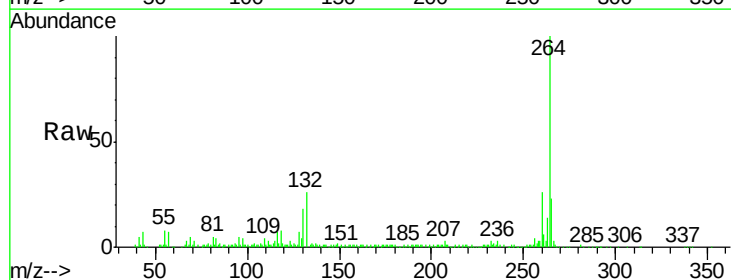
Instrument :
BNA_F
ClientSampleId :
L-1338-B-COMP

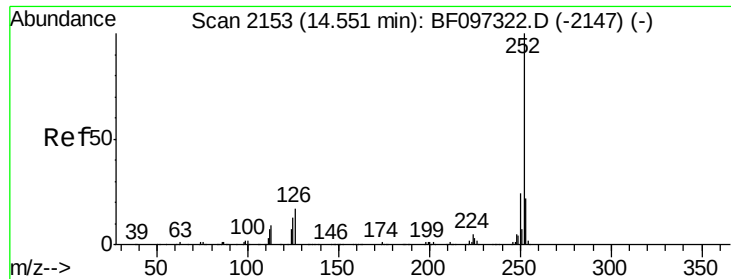
Tot Ion:228 Resp: 34943
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097493.D
Acq: 9 Aug 2017 2:47

Tgt Ion:264 Resp: 128345
Ion Ratio Lower Upper
264 100
260 26.5 19.5 29.3
265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.49 ng

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

BNA_F

ClientSampleId :

L-1338-B-COMP

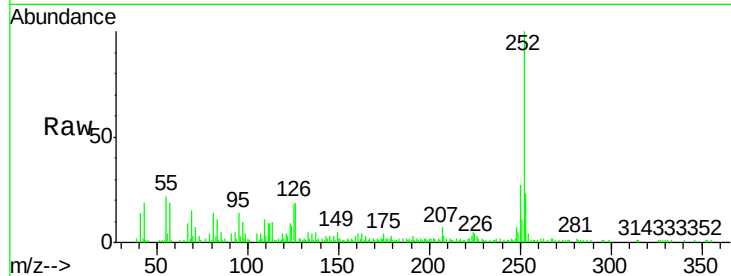
Tot Ion:252 Resp: 57818

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

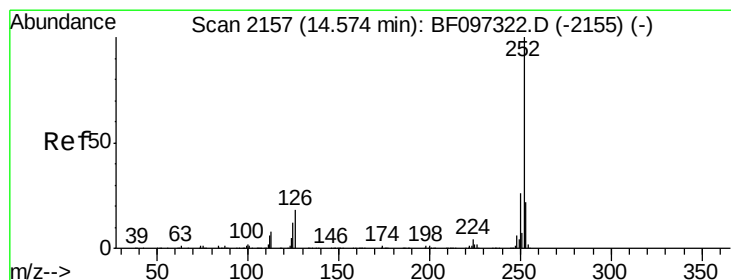
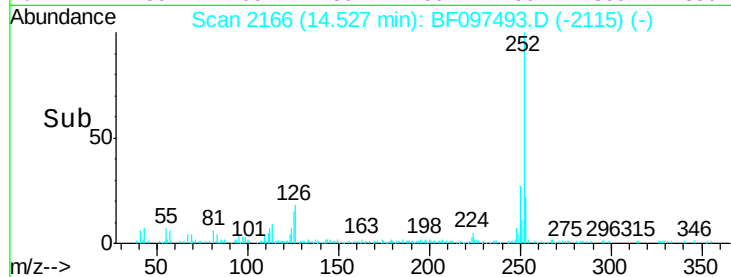
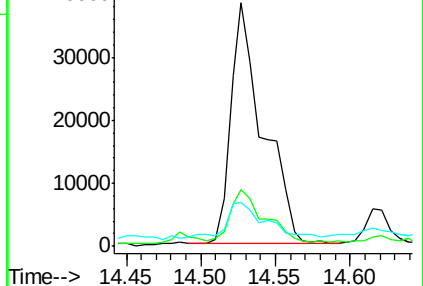
125 18.0 9.8 14.8#



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: 7.86 ng

RT: 14.53 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

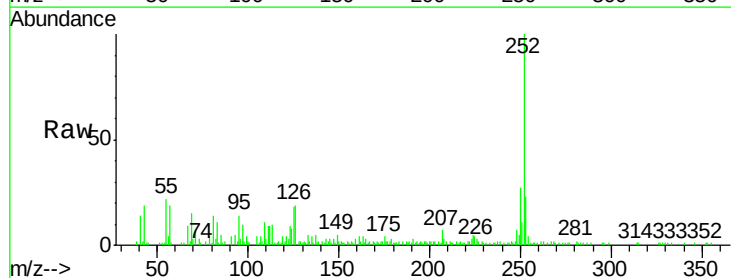
Tgt Ion:252 Resp: 57818

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

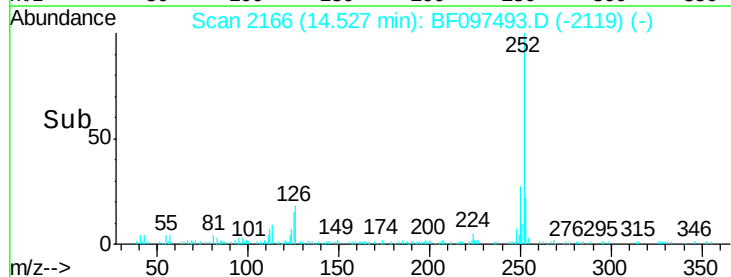
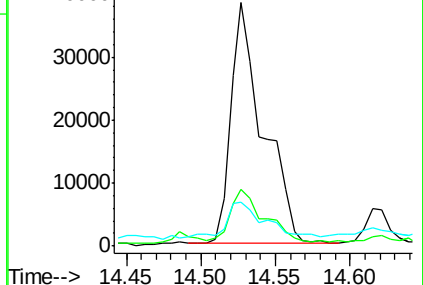
125 18.0 13.1 19.7

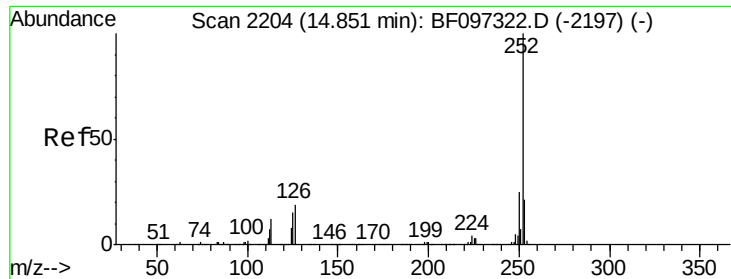


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.21 ng

RT: 14.83 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

Instrument :

BNA_F

ClientSampleId :

L-1338-B-COMP

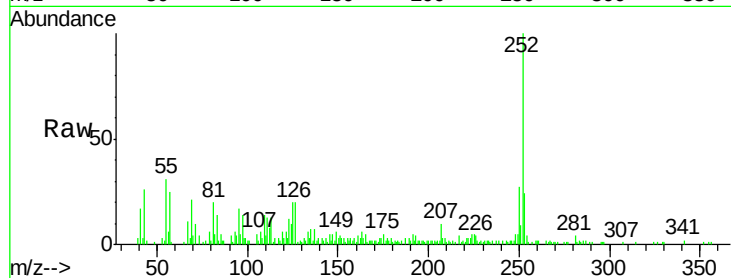
Tot Ion:252 Resp: 29736

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

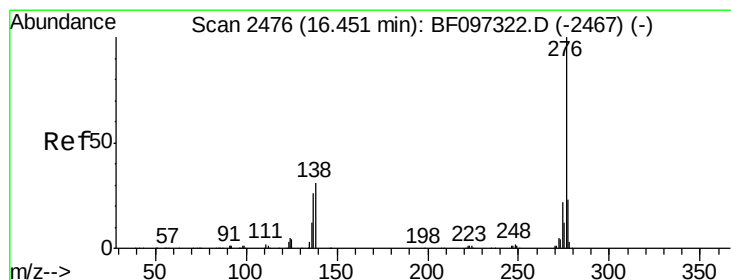
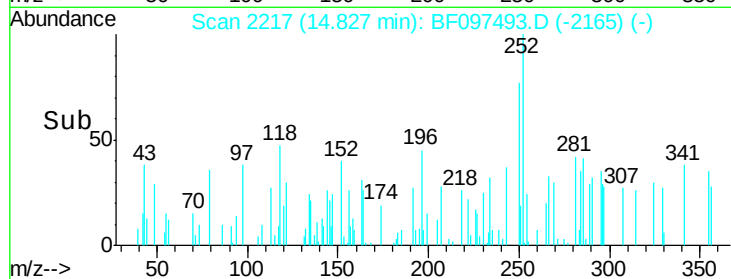
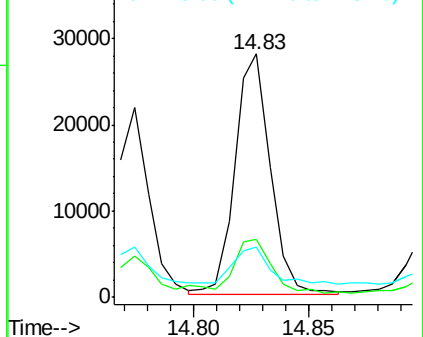
125 20.4 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.50 ng

RT: 16.43 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF097493.D

Acq: 9 Aug 2017 2:47

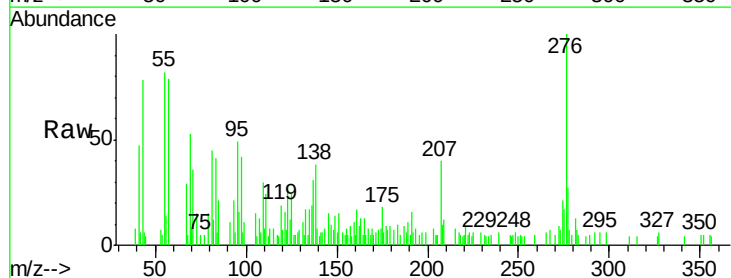
Tgt Ion:276 Resp: 15200

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 38.3 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

