

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097546.D
 Acq On : 10 Aug 2017 5:26
 Operator : SJ/JU
 Sample : I4646-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M9-BASE

Quant Time: Aug 10 07:06:24 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

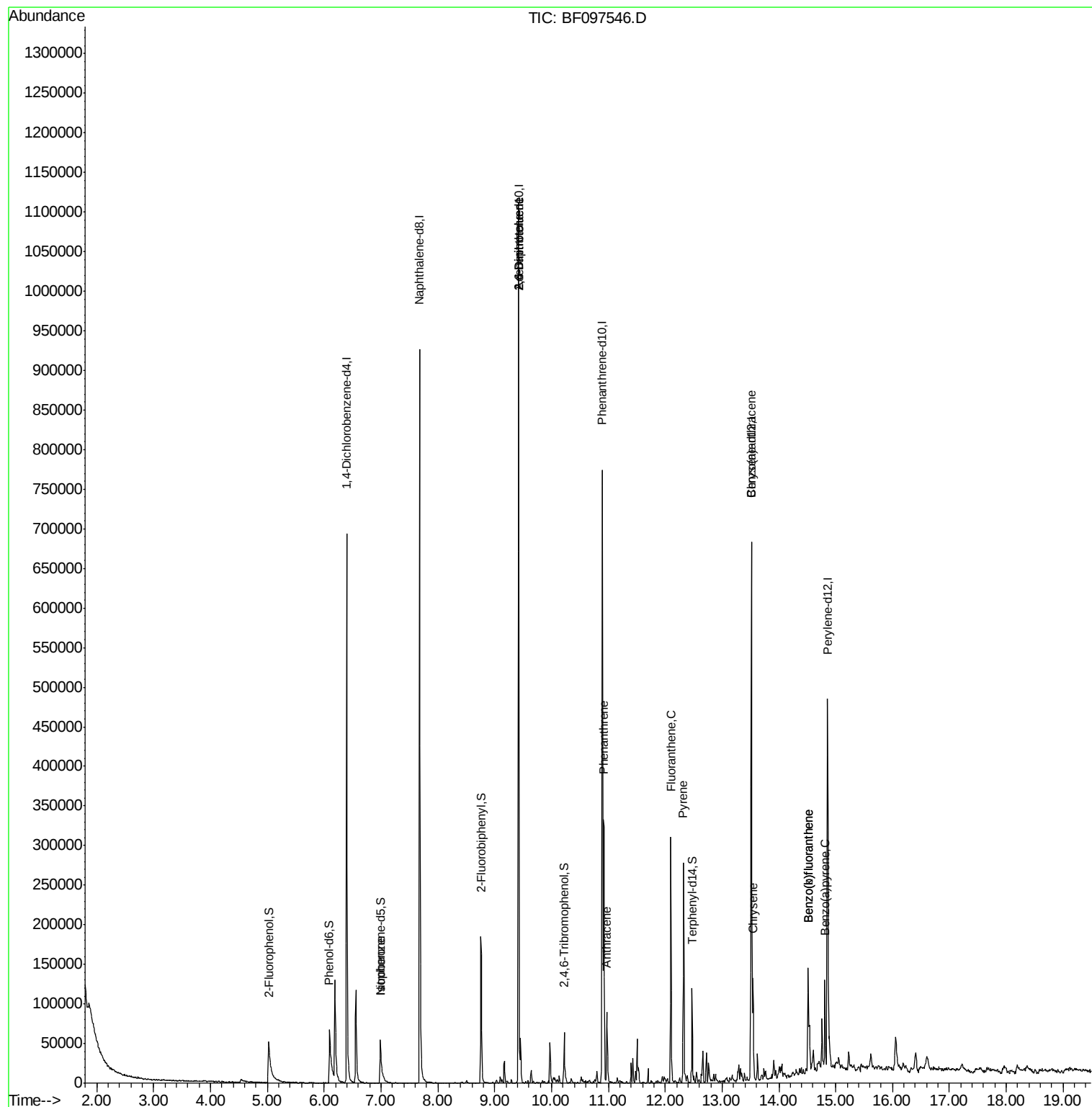
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	120404	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	470179	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	207166	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	290170	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	213963	20.00	ng	-0.02
86) Perylene-d12	14.86	264	190966	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	48853	6.12	ng	0.02
7) Phenol-d6	6.09	99	57240	6.28	ng	0.00
23) Nitrobenzene-d5	6.99	82	40178	5.01	ng	0.00
41) 2,4,6-Tribromophenol	10.22	330	9369	5.72	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	68611	5.62	ng	-0.02
78) Terphenyl-d14	12.47	244	33115	3.16	ng	-0.02
Target Compounds						
25) Isophorone	6.99	82	40178	2.56	ng	# 67
50) 2,6-Dinitrotoluene	9.42	165	26073	7.81	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	26073	6.80	ng	# 33
70) Phenanthrene	10.92	178	136697	8.79	ng	98
71) Anthracene	10.97	178	40872	2.57	ng	97
74) Fluoranthene	12.10	202	135274	8.88	ng	96
77) Pyrene	12.33	202	114267	6.52	ng	97
80) Benzo(a)anthracene	13.51	228	55233	3.99	ng	98
82) Chrysene	13.54	228	46577	3.45	ng	97
87) Benzo(b)fluoranthene	14.52	252	77242	6.73	ng	99
88) Benzo(k)fluoranthene	14.52	252	77242	7.06	ng	97
89) Benzo(a)pyrene	14.81	252	41915	3.99	ng	99

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

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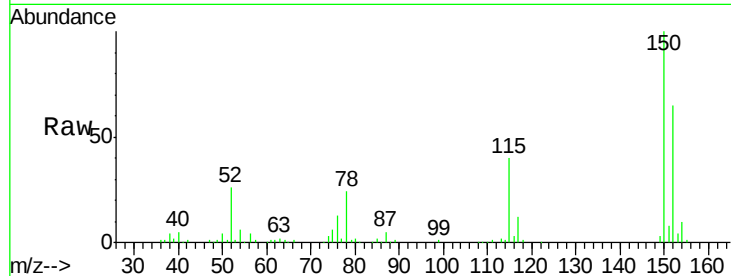


#1

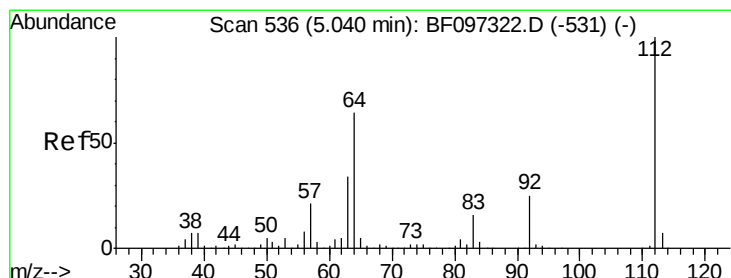
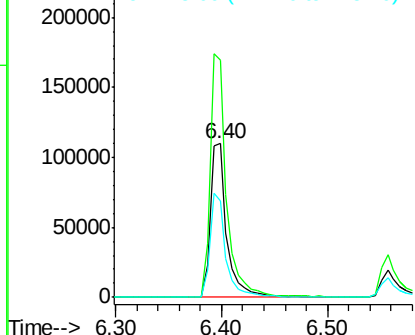
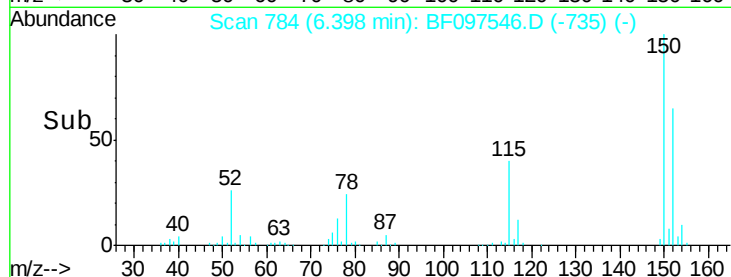
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.40 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-M9-BASE

Tot Ion:152 Resp: 120404
 Ion Ratio Lower Upper
 152 100
 150 153.8 126.2 189.2
 115 62.2 52.2 78.2



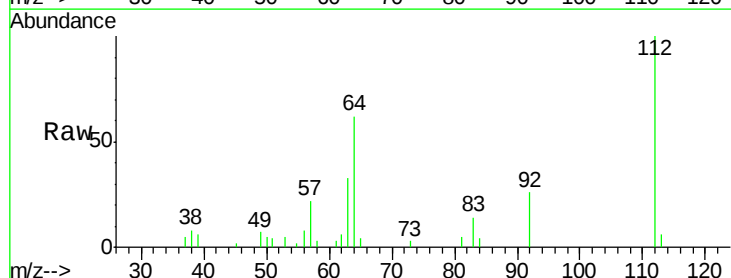
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



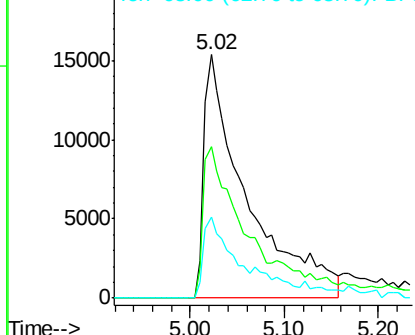
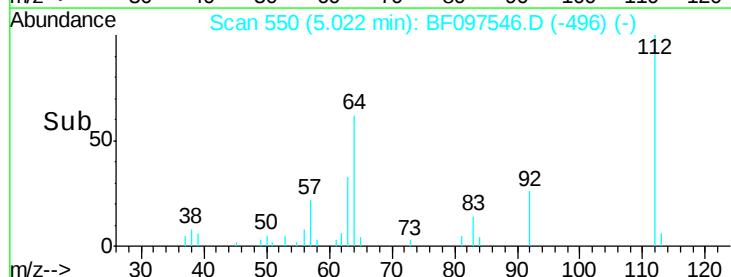
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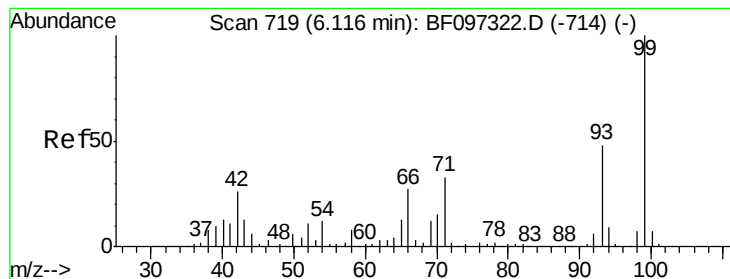
2-Fluorophenol
 Concen: 6.12 ng
 RT: 5.02 min Scan# 550
 Delta R.T. 0.02 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

Tgt Ion:112 Resp: 48853
 Ion Ratio Lower Upper
 112 100
 64 62.0 46.0 69.0
 63 33.1 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: 6.28 ng

RT: 6.09 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

Instrument :

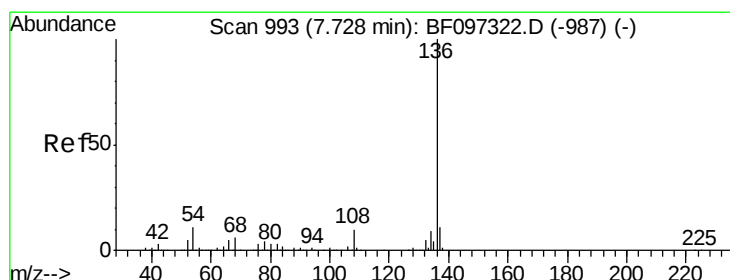
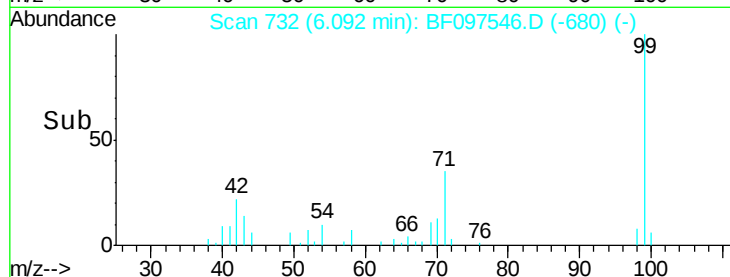
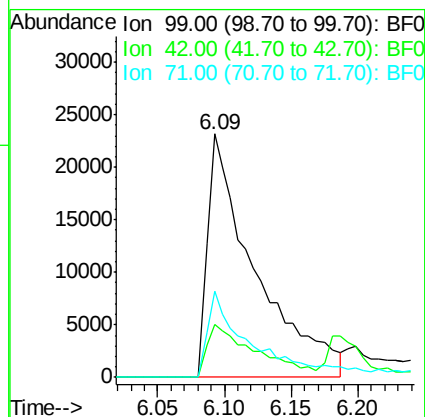
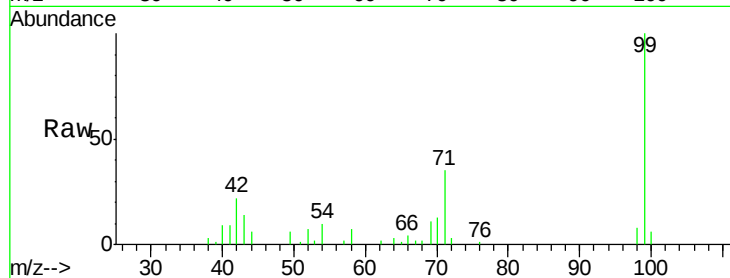
BNA_F

ClientSampleId :

E2-M9-BASE

Tot Ion: 99 Resp: 57240

Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	35.2	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

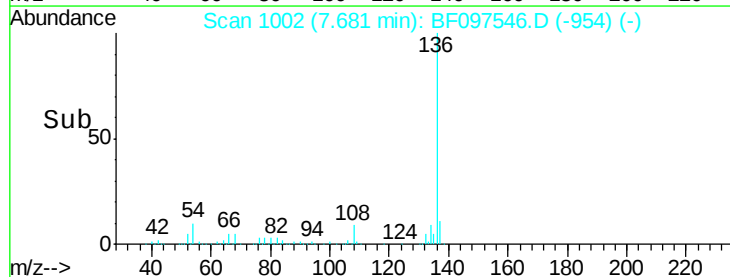
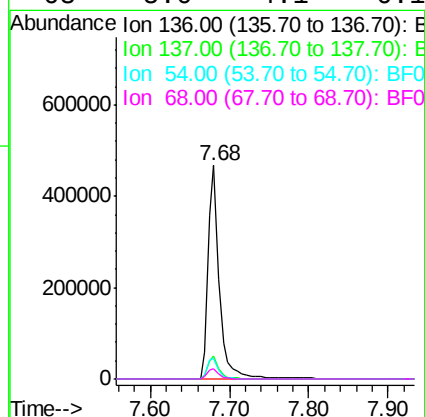
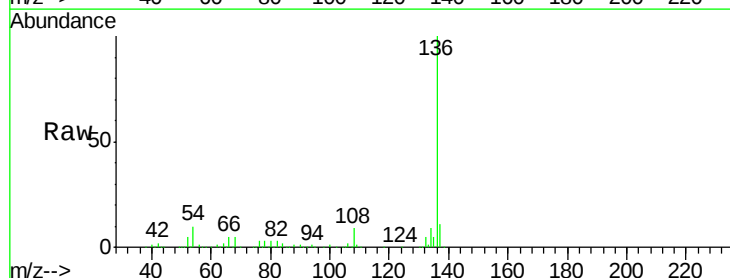
Delta R.T. -0.02 min

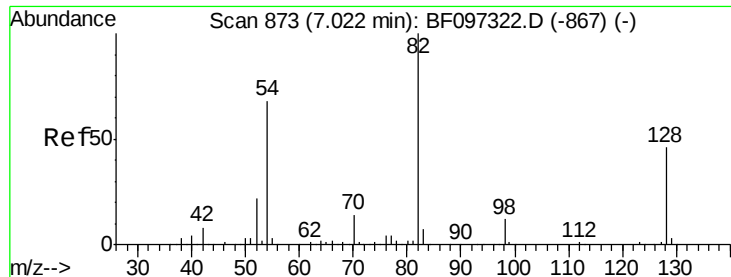
Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

Tgt Ion: 136 Resp: 470179

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.9	4.9	7.3#
68	5.0	4.1	6.1

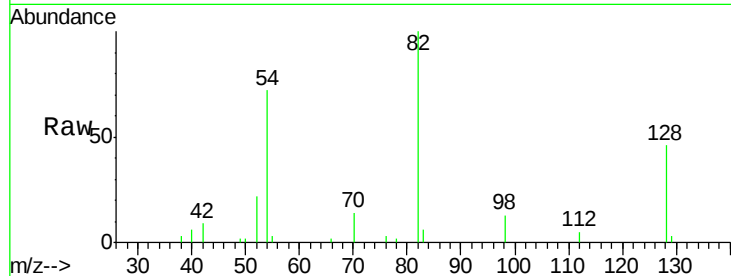




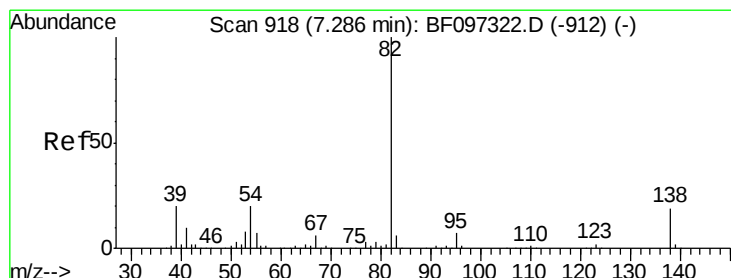
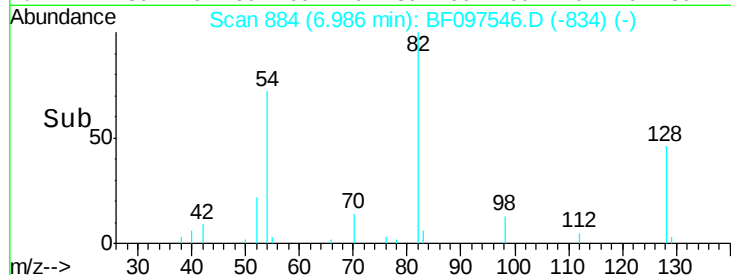
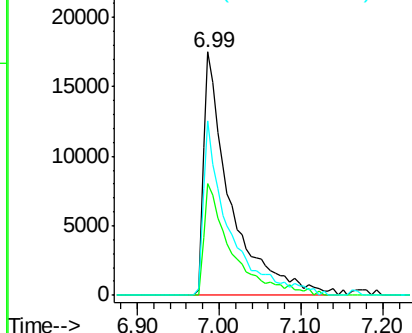
#23
Nitrobenzene-d5
Concen: 5.01 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Tot Ion: 82 Resp: 40178
Ion Ratio Lower Upper
82 100
128 45.7 34.0 51.0
54 71.9 42.2 63.2#

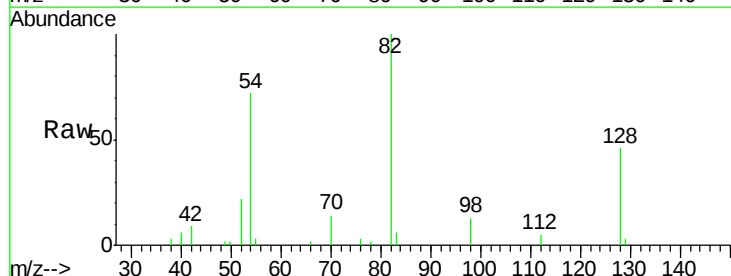


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

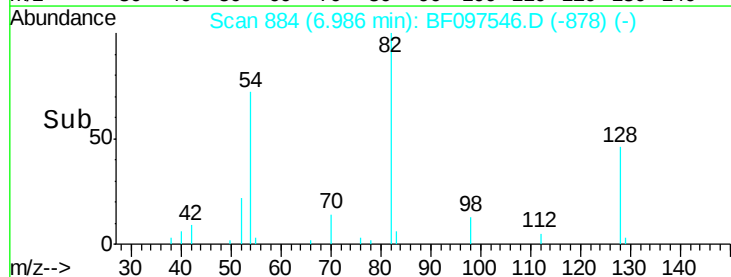
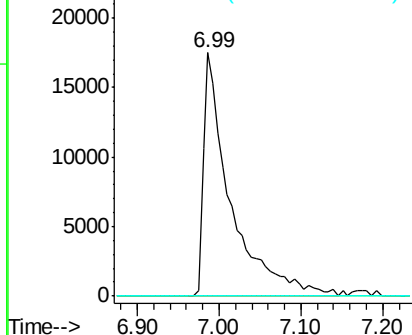


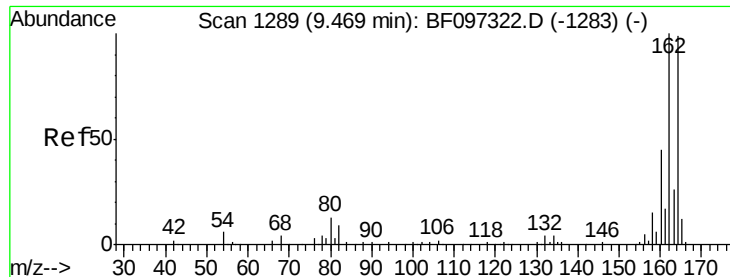
#25
Isophorone
Concen: 2.56 ng
RT: 6.99 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion: 82 Resp: 40178
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

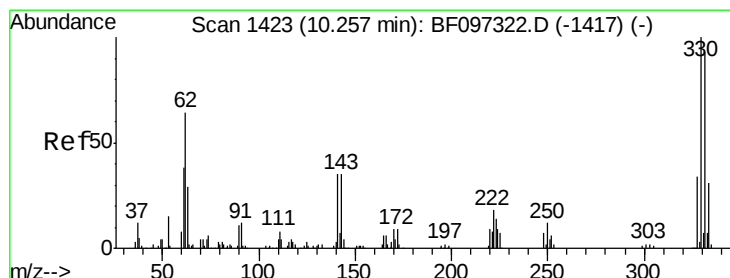
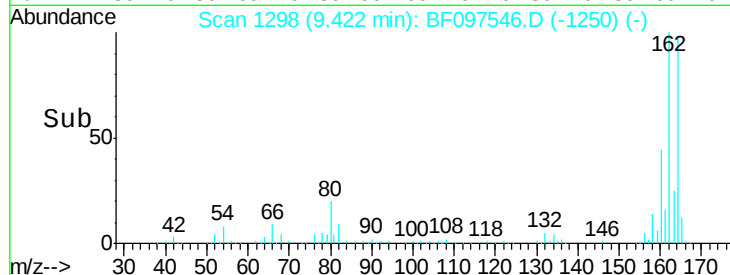
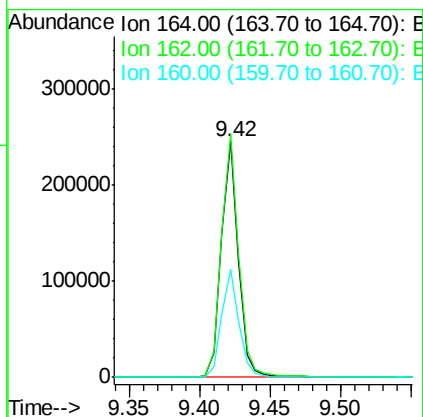
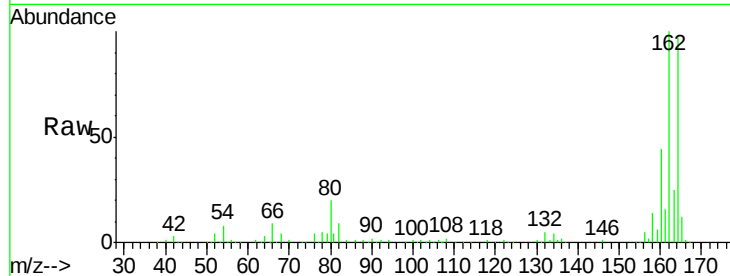




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

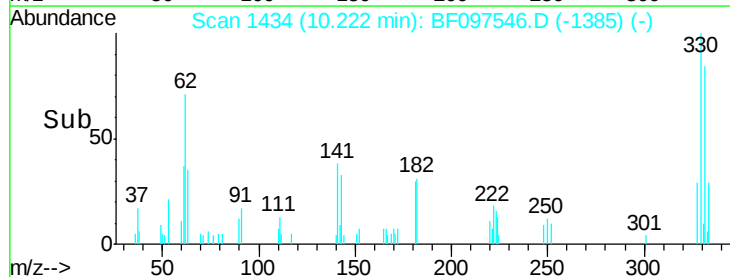
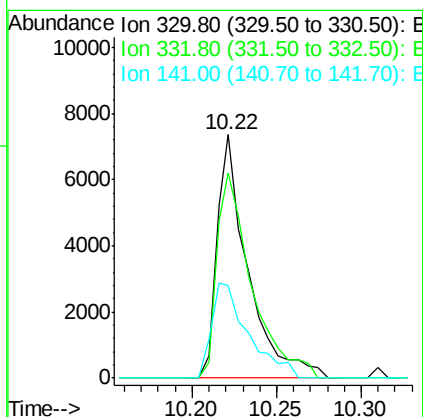
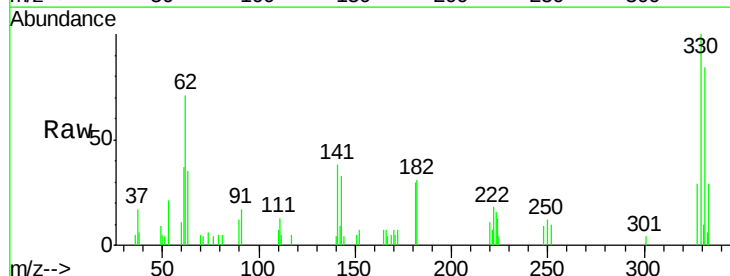
Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

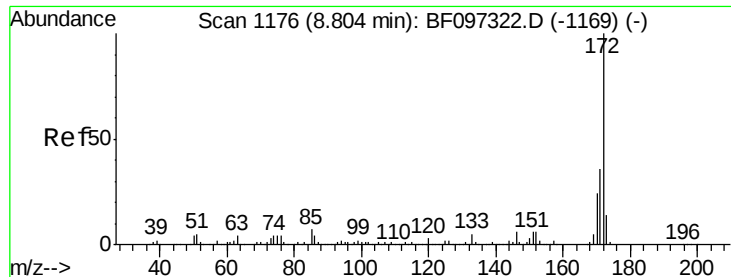
Tot Ion:164 Resp: 207166
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 45.8 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 5.72 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:330 Resp: 9369
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 46.6 31.4 47.2

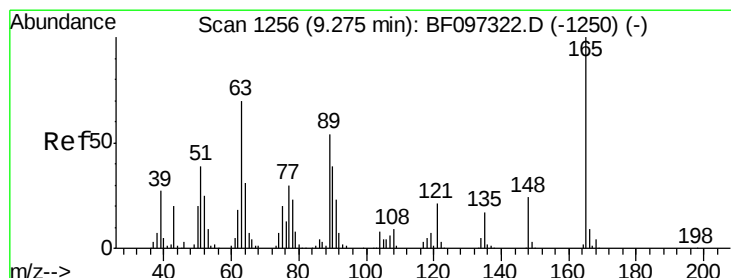
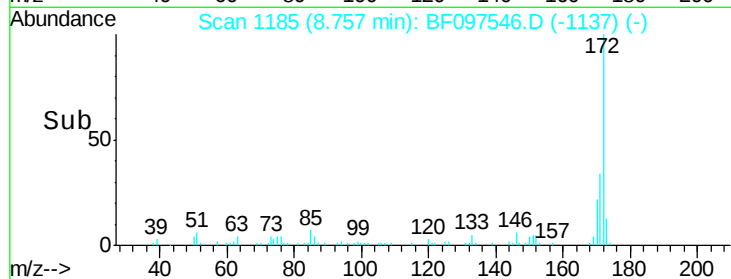
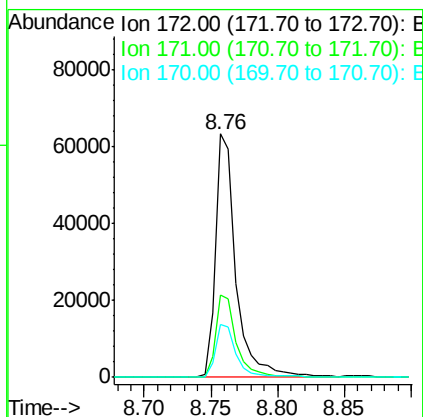
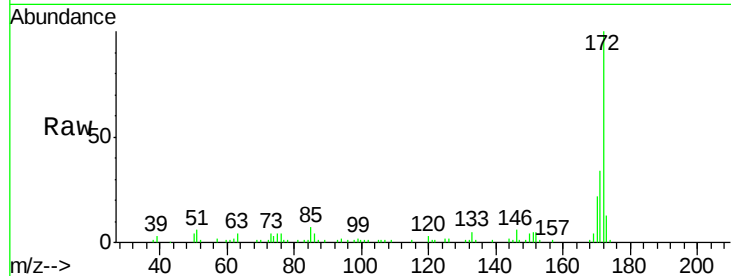




#44
 2-Fluorobiphenyl
 Concen: 5.62 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

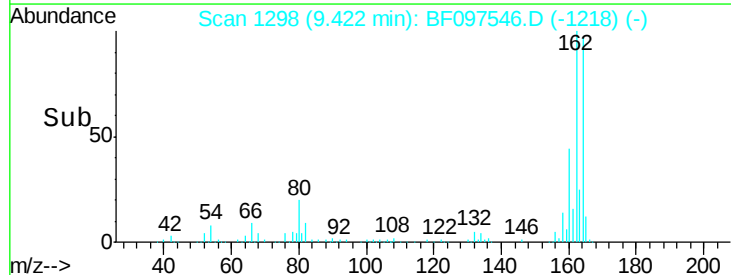
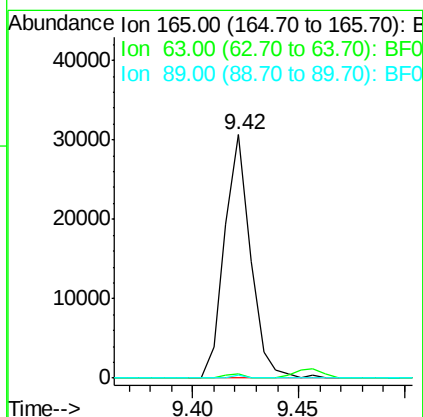
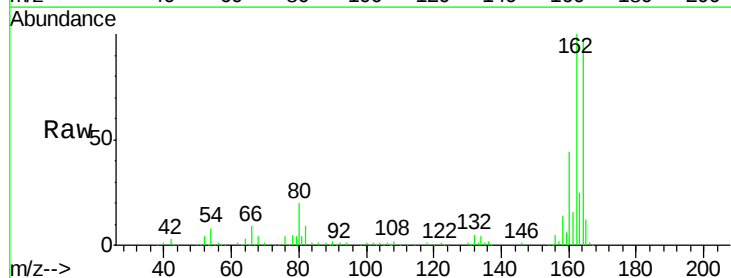
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 BNA_F
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 E2-M9-BASE

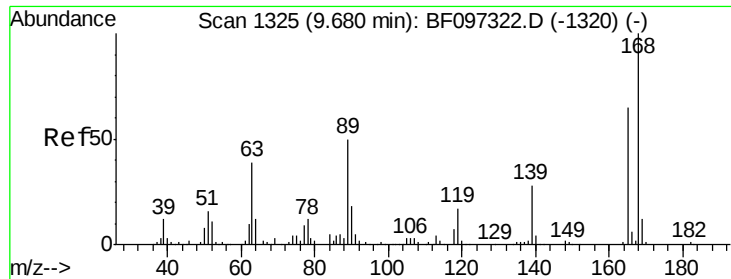
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.6	44.4
170	21.9	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.81 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. 0.17 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	1.3	37.1	55.7#

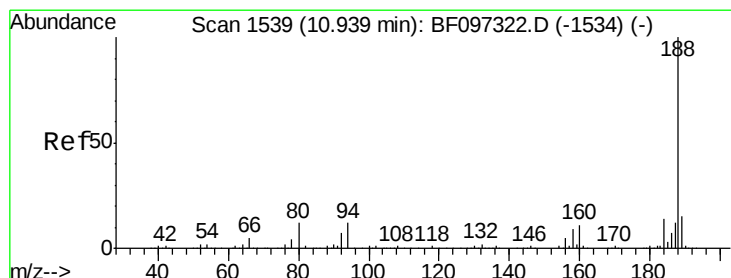
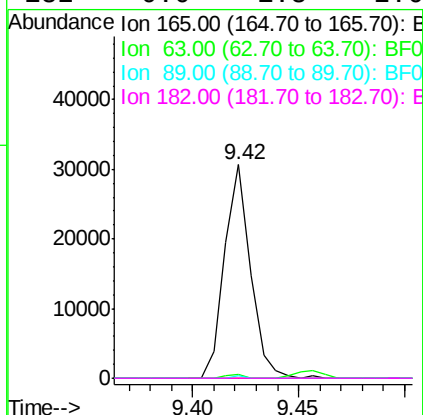
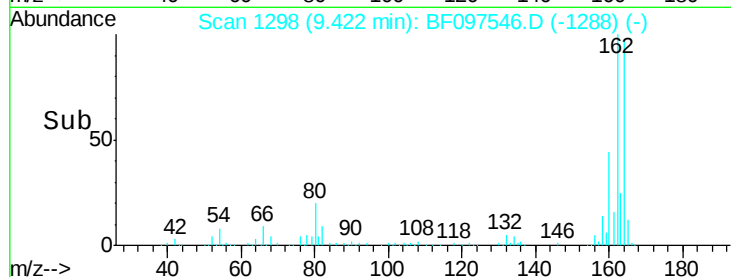
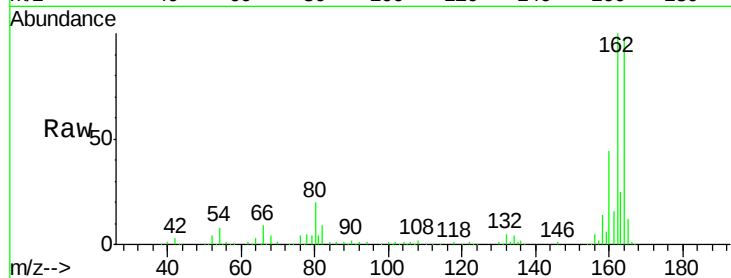




#56
 2,4-Dinitrotoluene
 Concen: 6.80 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

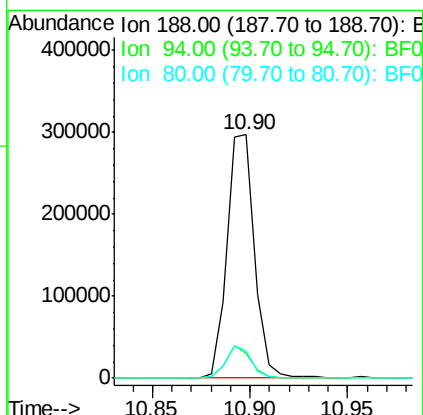
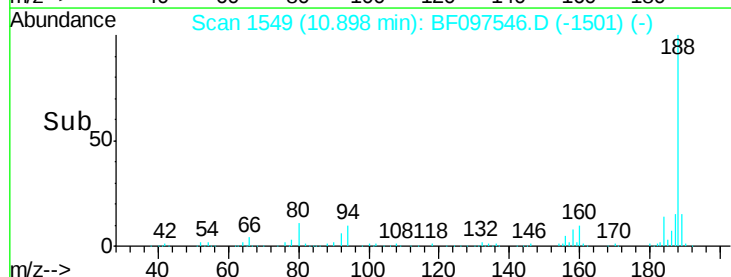
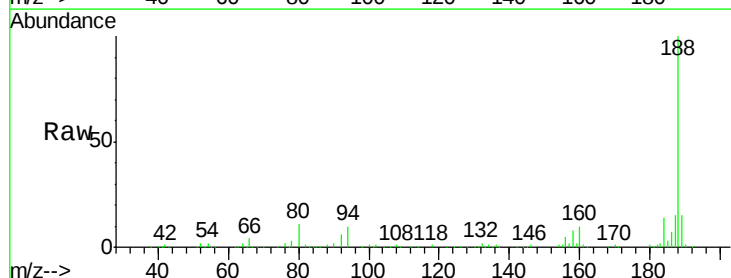
Instrument :
 BNA_F
 ClientSampleId :
 E2-M9-BASE

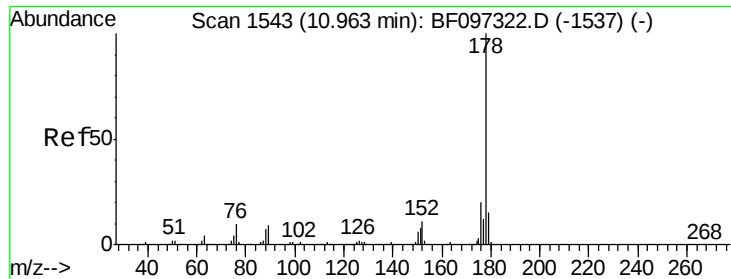
Tot Ion:	165	Resp:	26073
Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

Tgt Ion:	188	Resp:	290170
Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.1	10.2	15.2





#70

Phenanthrene

Concen: 8.79 ng

RT: 10.92 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

Instrument :

BNA_F

ClientSampleId :

E2-M9-BASE

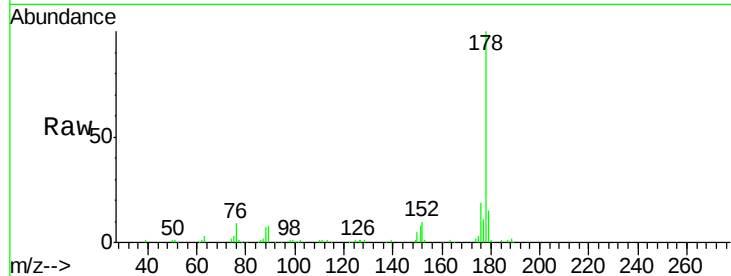
Tot Ion:178 Resp: 136697

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

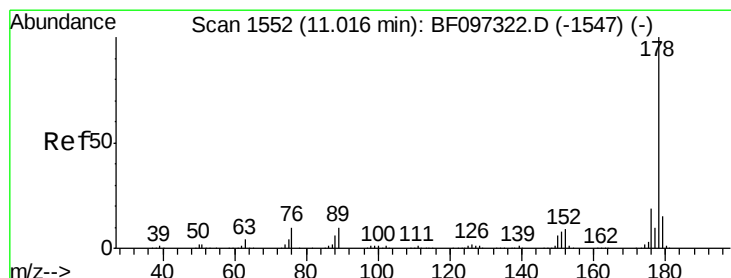
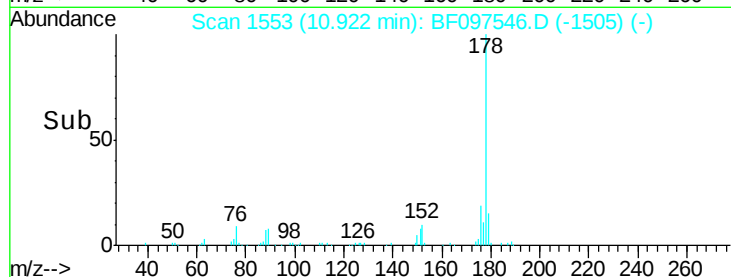
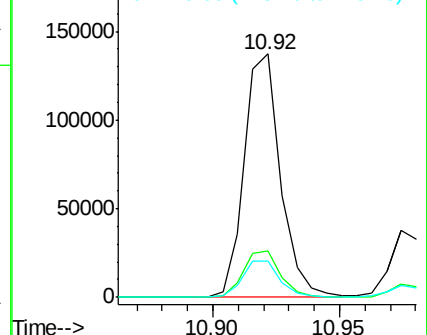
179 15.0 12.6 19.0



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: 2.57 ng

RT: 10.97 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

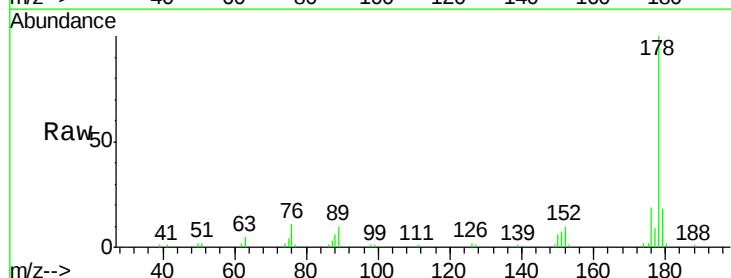
Tgt Ion:178 Resp: 40872

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

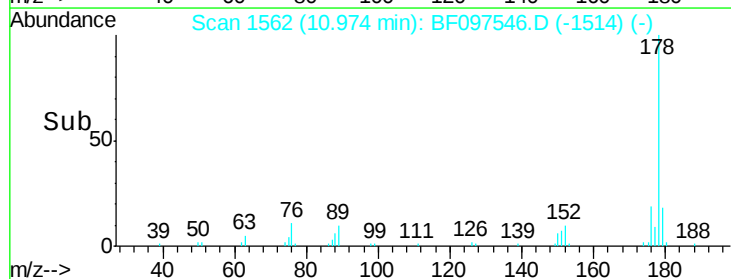
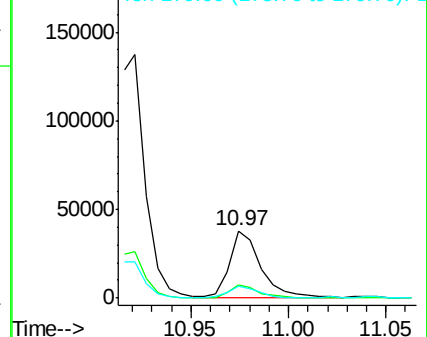
179 17.9 12.7 19.1

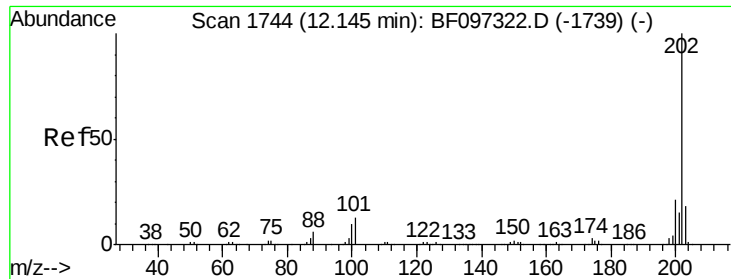


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

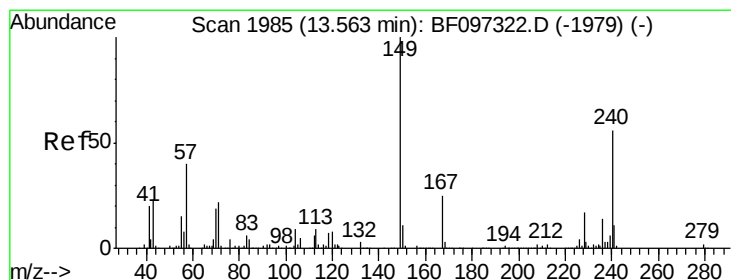
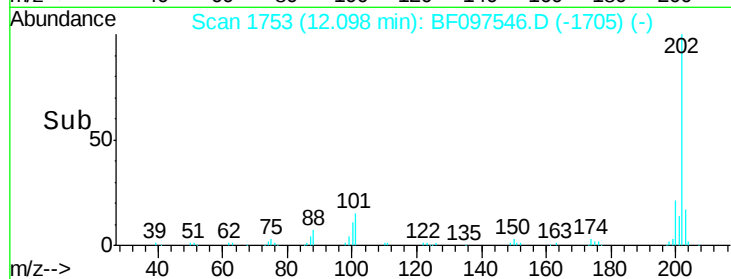
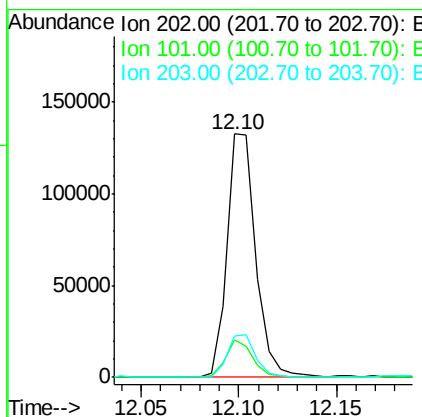
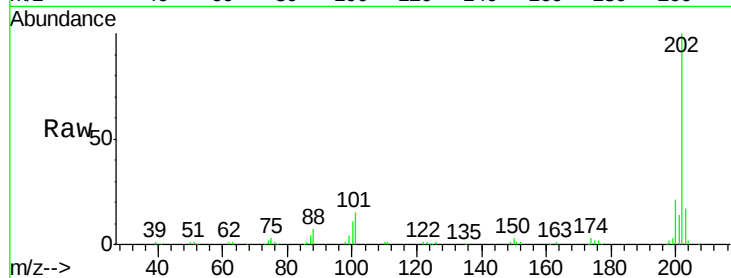




#74
 Fluoranthene
 Concen: 8.88 ng
 RT: 12.10 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

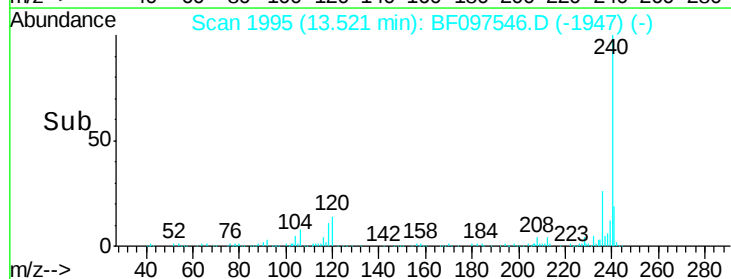
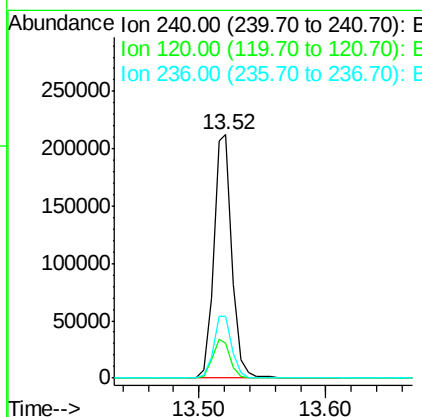
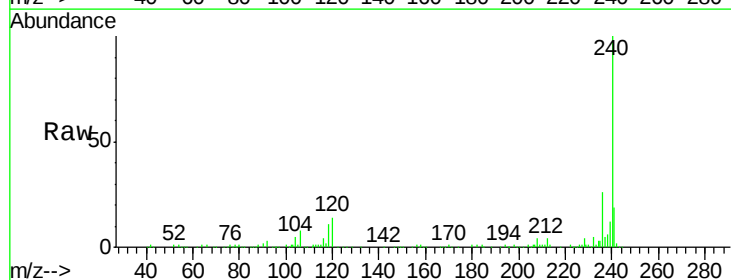
Instrument :
 BNA_F
 ClientSampleId :
 E2-M9-BASE

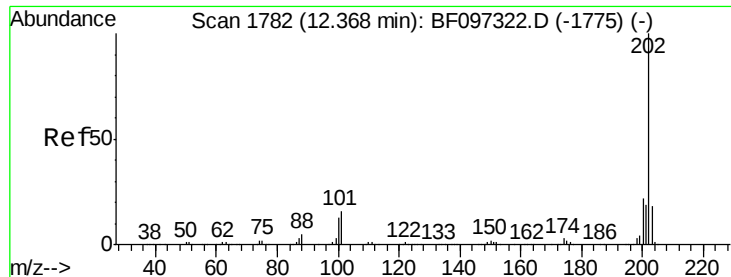
Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	33.2
203	17.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF097546.D
 Acq: 10 Aug 2017 5:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	25.5	20.5	30.7

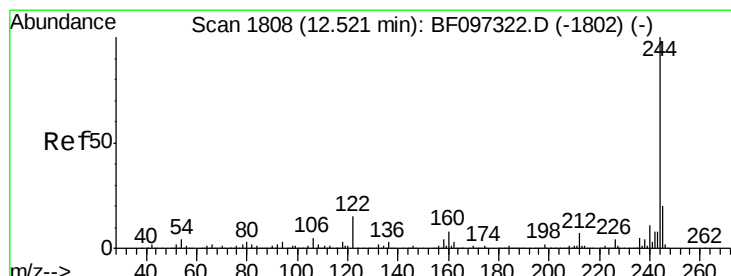
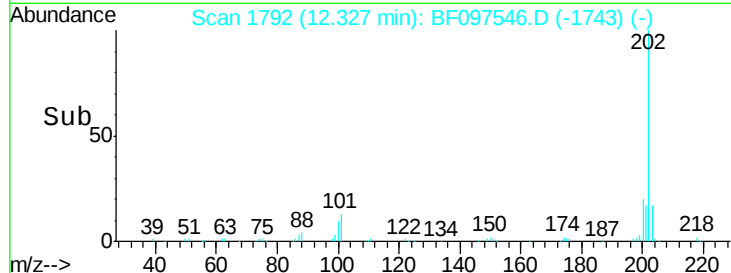
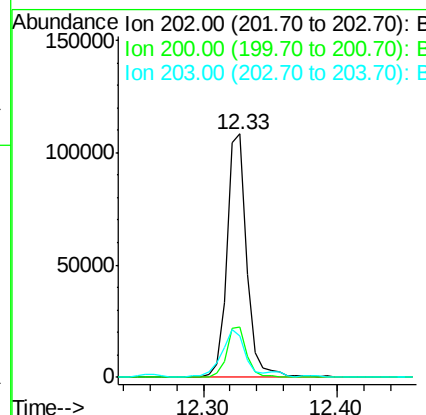
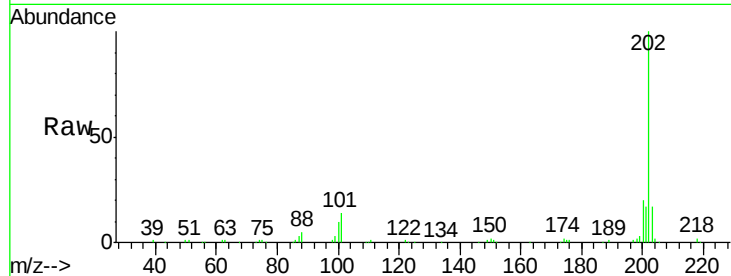




#77
Pvrene
Concen: 6.52 ng
RT: 12.33 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

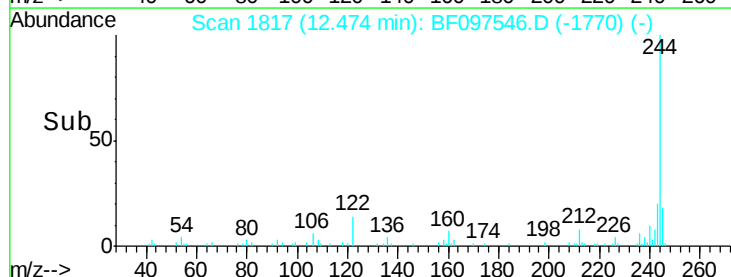
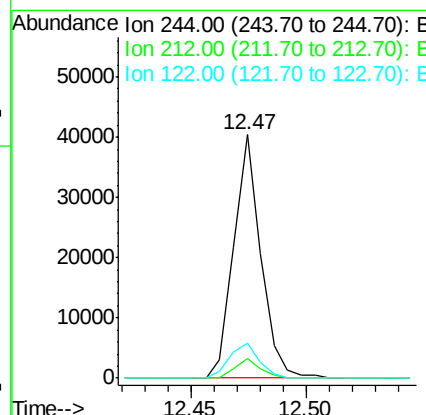
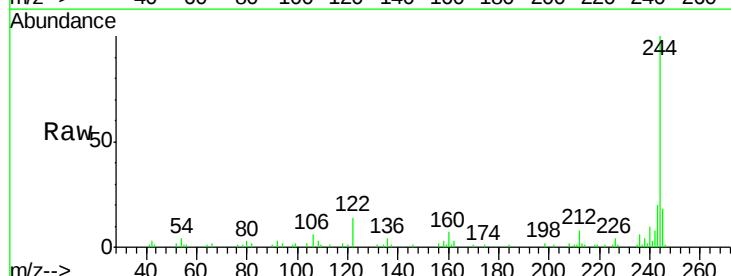
Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

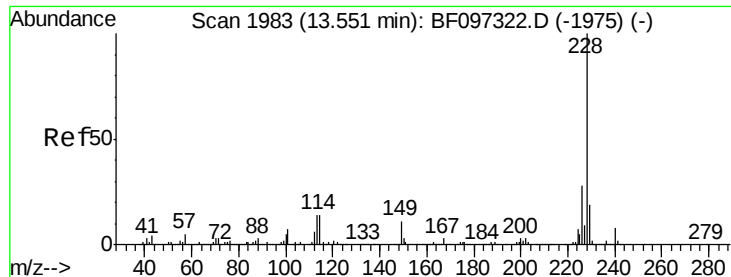
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.2	14.4	21.6



#78
Terphenyl-d14
Concen: 3.16 ng
RT: 12.47 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	14.3	10.3	15.5





#80

Benzo(a)anthracene

Concen: 3.99 ng

RT: 13.51 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

Instrument :

BNA_F

ClientSampleId :

E2-M9-BASE

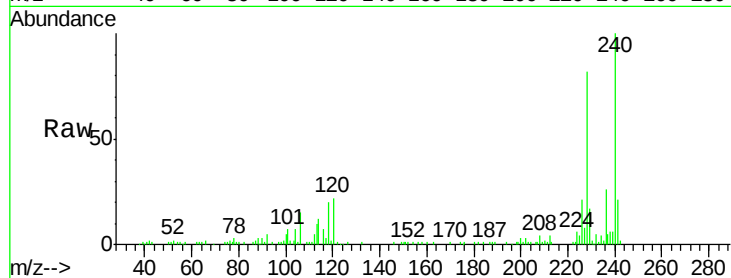
Tot Ion:228 Resp: 55233

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

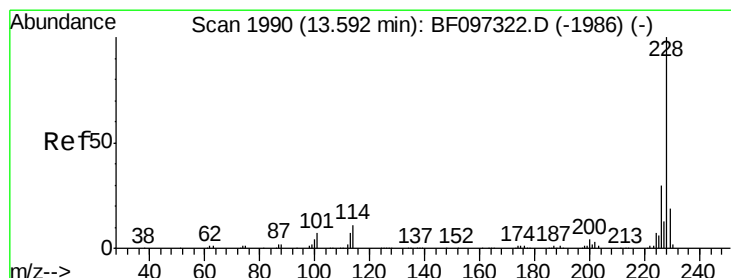
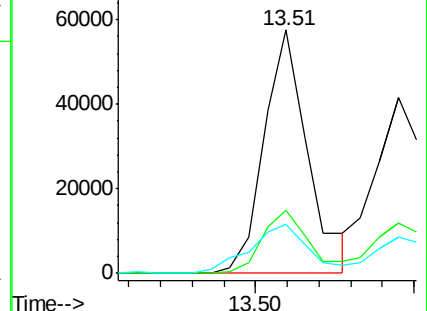
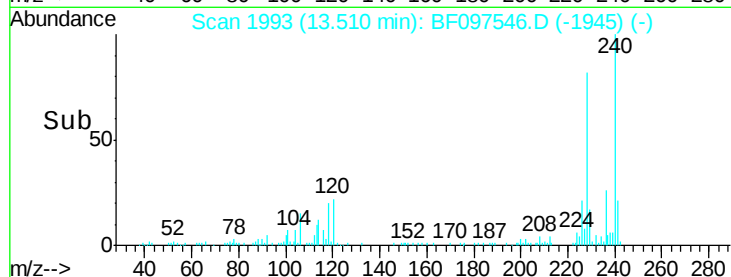
229 20.3 16.3 24.5



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: 3.45 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097546.D

Acq: 10 Aug 2017 5:26

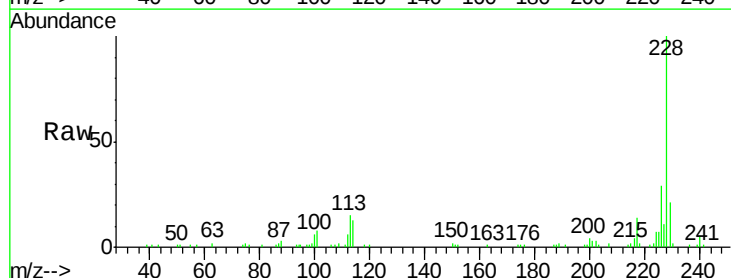
Tgt Ion:228 Resp: 46577

Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

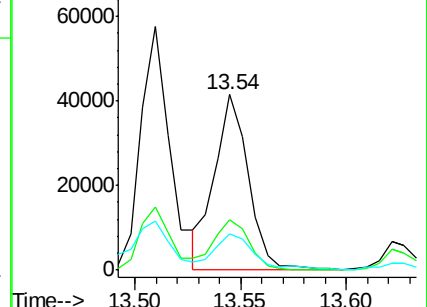
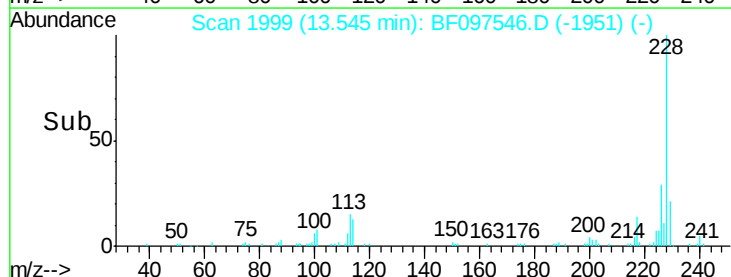
229 20.6 15.8 23.6

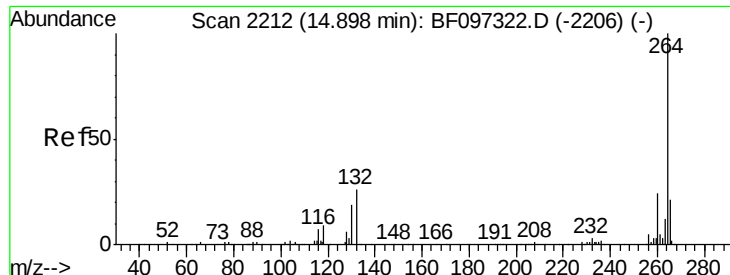


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

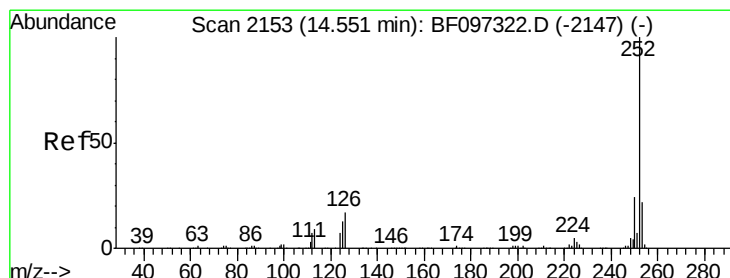
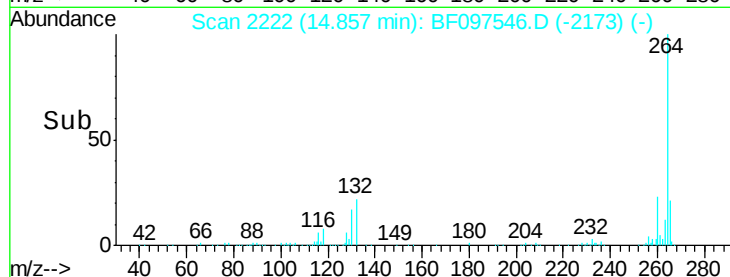
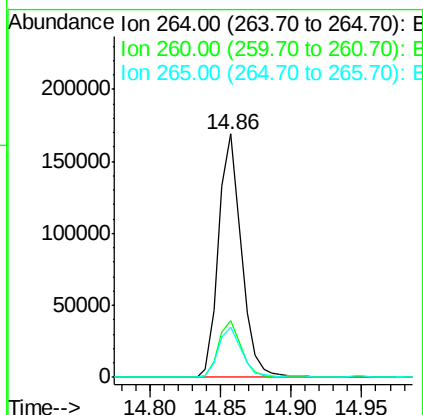
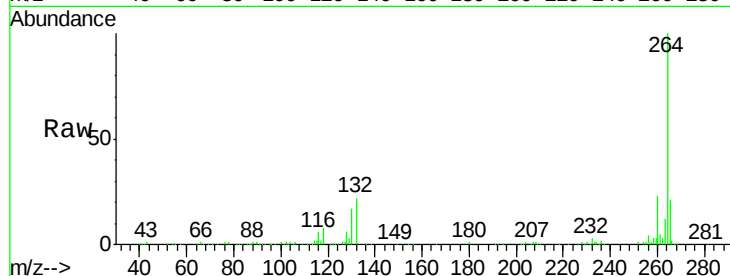




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

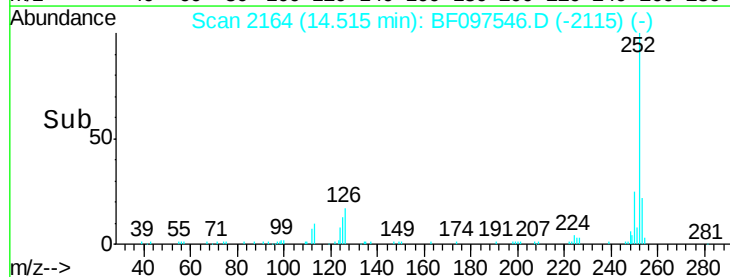
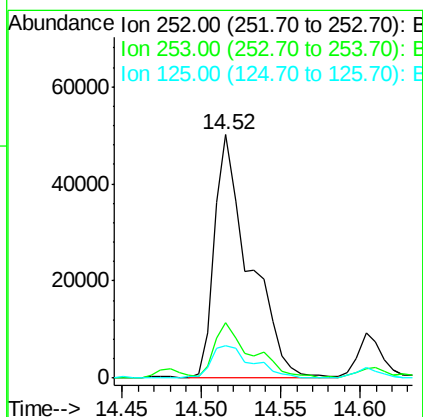
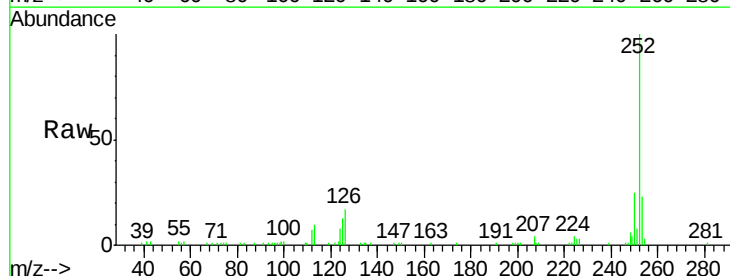
Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

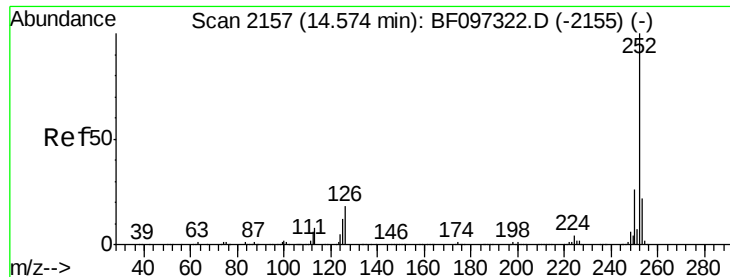
Tot Ion:264 Resp: 190966
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.73 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:252 Resp: 77242
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 13.4 9.8 14.8

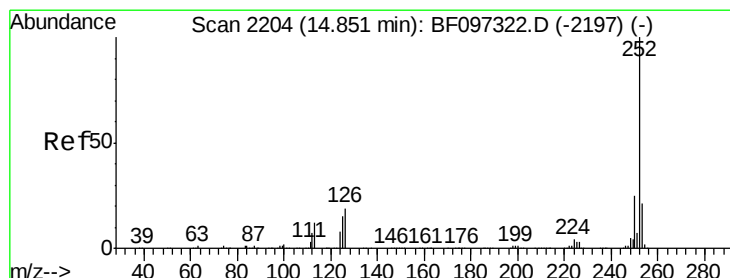
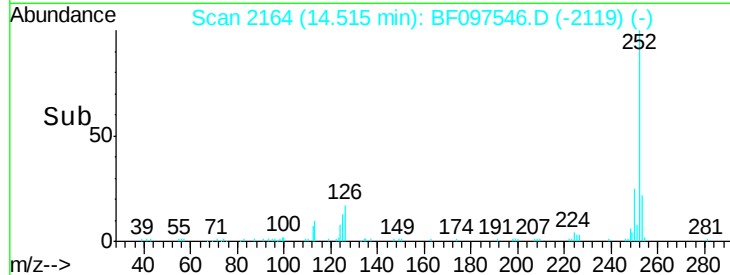
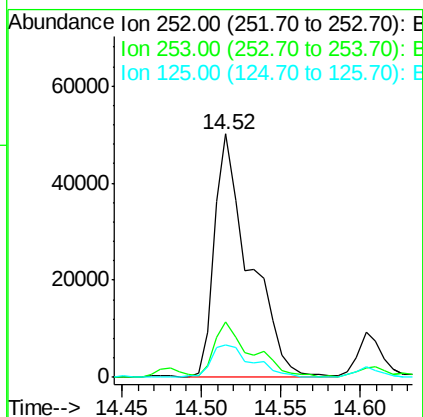
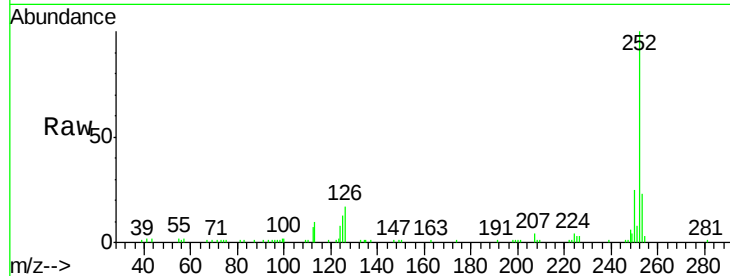




#88
Benzo(k)fluoranthene
Concen: 7.06 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Instrument :
BNA_F
ClientSampleId :
E2-M9-BASE

Tot Ion:252 Resp: 77242
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 13.4 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097546.D
Acq: 10 Aug 2017 5:26

Tgt Ion:252 Resp: 41915
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.5 11.0 16.4

