

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097453.D
 Acq On : 8 Aug 2017 3:13
 Operator : SJ/JU
 Sample : I4614-02RE 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

Quant Time: Aug 08 04:53:00 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	6.41	152	177425	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	634525	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	239890	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	369815	20.00	ng	0.00
75) Chrysene-d12	13.53	240	351823	20.00	ng	0.00
86) Perylene-d12	14.87	264	247174	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	330916	28.12	ng	0.00
7) Phenol-d6	6.08	99	408364	30.39	ng	0.00
23) Nitrobenzene-d5	6.98	82	356459	32.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	51790	27.32	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	454960	32.19	ng	0.00
78) Terphenyl-d14	12.49	244	331766	19.23	ng	0.00

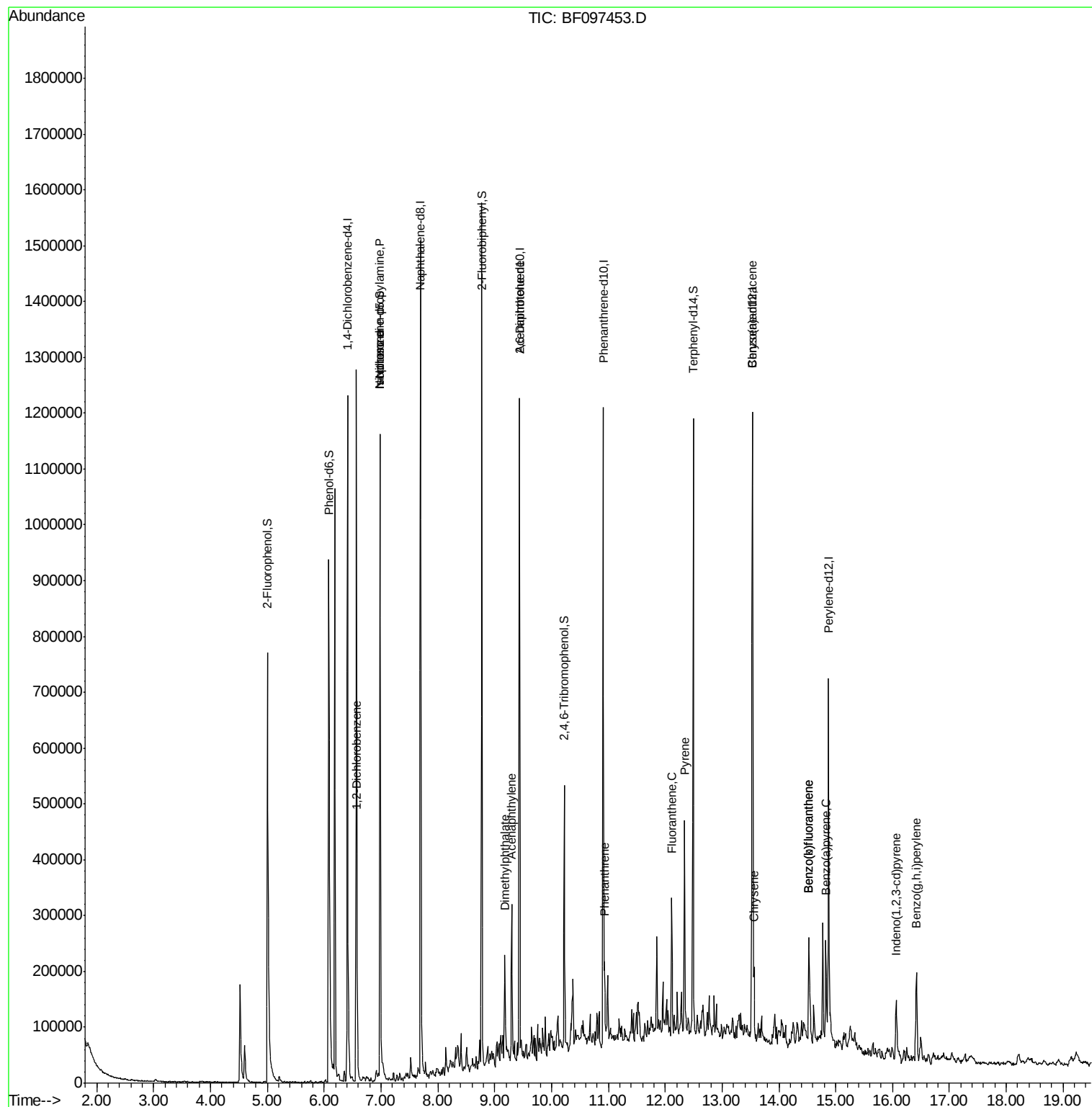
Target Compounds				Qvalue		
14) 1,2-Dichlorobenzene	6.58	146	25479	2.17	ng	94
19) n-Nitroso-di-n-propylamine	6.98	70	47074	5.32	ng	# 84
25) Isophorone	6.98	82	356456	16.83	ng	# 67
48) Acenaphthylene	9.30	152	104002	4.49	ng	99
49) Dimethylphthalate	9.17	163	46233	2.54	ng	98
50) 2,6-Dinitrotoluene	9.43	165	31226	8.08	ng	# 34
70) Phenanthrene	10.93	178	51277	2.59	ng	97
74) Fluoranthene	12.12	202	88612	4.56	ng	99
77) Pyrene	12.34	202	146652	5.09	ng	99
80) Benzo(a)anthracene	13.53	228	55800	2.45	ng	# 26
82) Chrysene	13.56	228	55517	2.50	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.07	276	58244	3.06	ng	96
87) Benzo(b)fluoranthene	14.53	252	101090	6.80	ng	# 95
88) Benzo(k)fluoranthene	14.53	252	101090	7.14	ng	99
89) Benzo(a)pyrene	14.83	252	69129	5.08	ng	98
91) Benzo(g,h,i)perylene	16.42	276	105140	8.99	ng	97

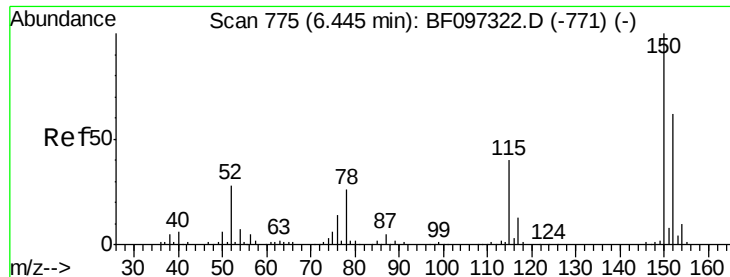
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.41 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

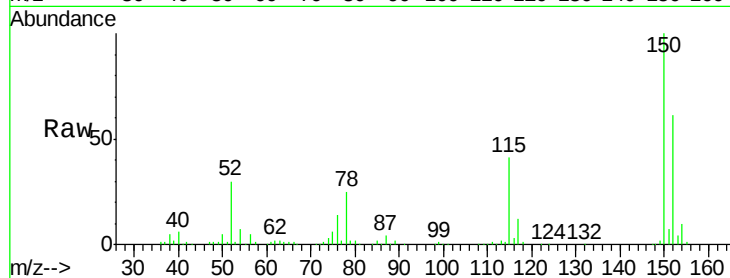
Tot Ion:152 Resp: 177425

Ion Ratio Lower Upper

152 100

150 163.9 126.2 189.2

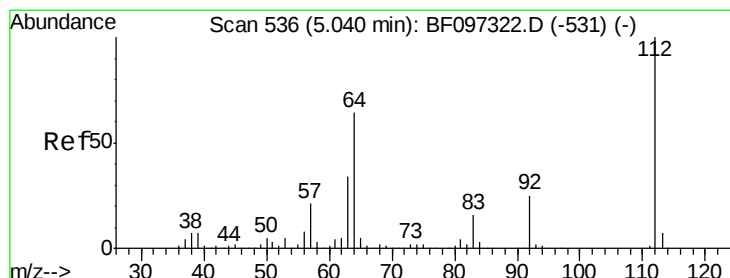
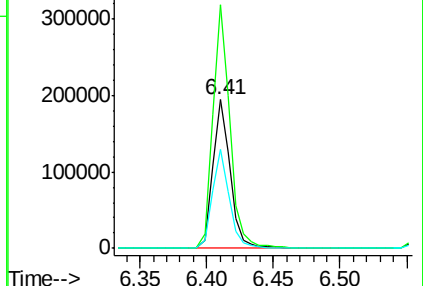
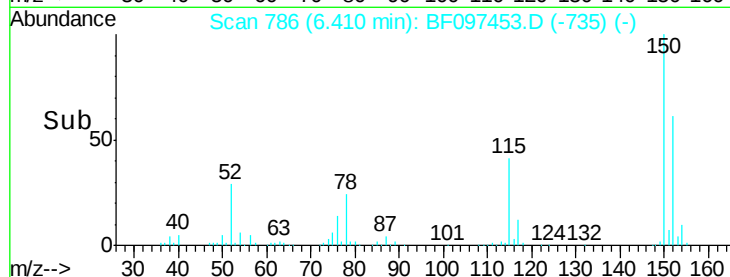
115 66.9 52.2 78.2



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: 28.12 ng

RT: 5.00 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

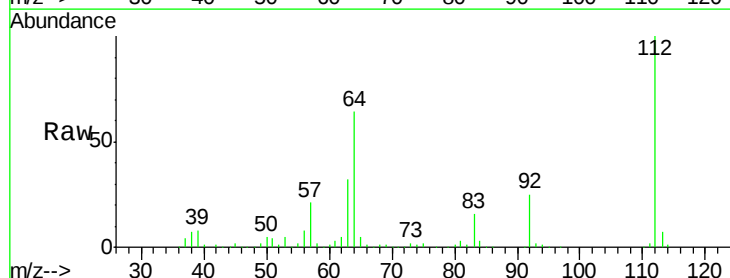
Tgt Ion:112 Resp: 330916

Ion Ratio Lower Upper

112 100

64 64.1 46.0 69.0

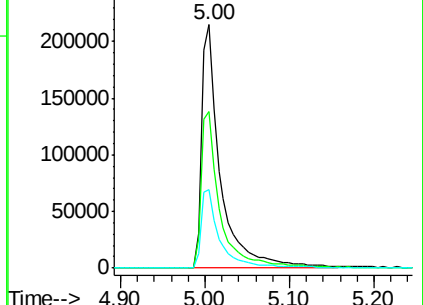
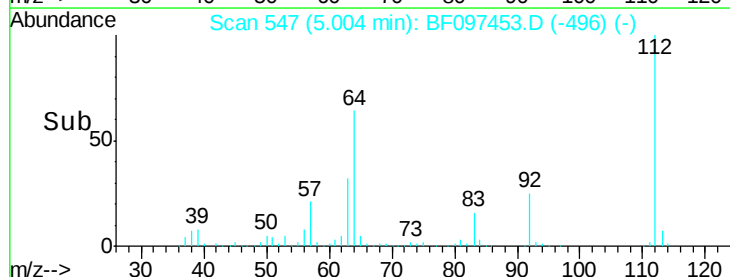
63 32.3 23.4 35.0

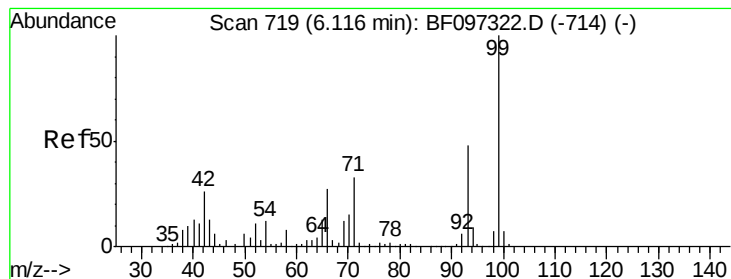


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.39 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

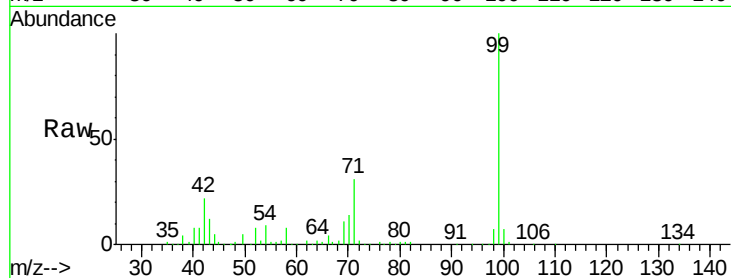
Tot Ion: 99 Resp: 408364

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

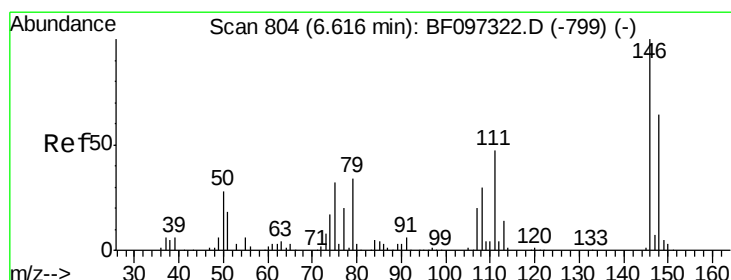
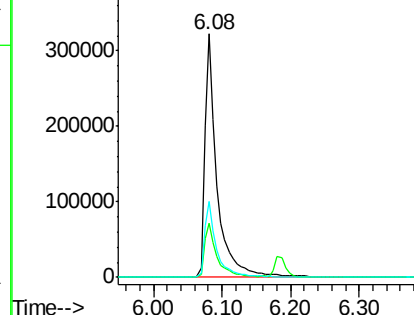
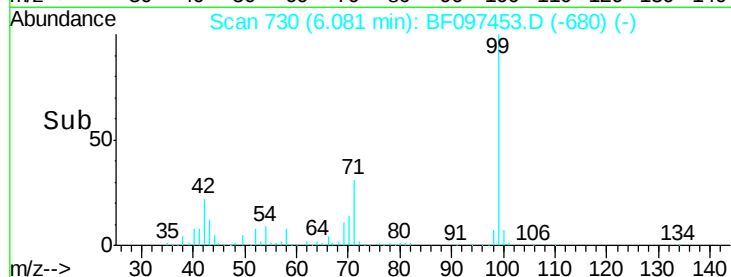
71 31.4 24.5 36.7



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



#14

1,2-Dichlorobenzene

Concen: 2.17 ng

RT: 6.58 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

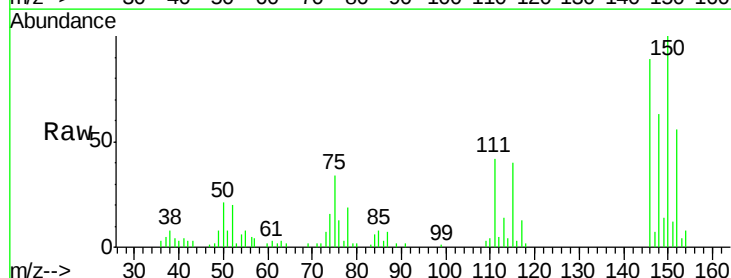
Tgt Ion: 146 Resp: 25479

Ion Ratio Lower Upper

146 100

148 70.1 50.4 75.6

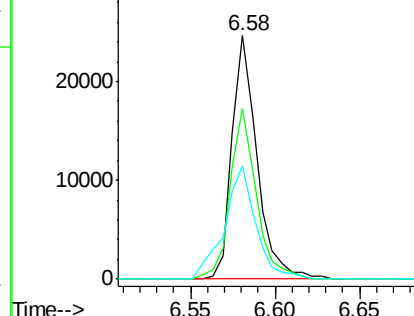
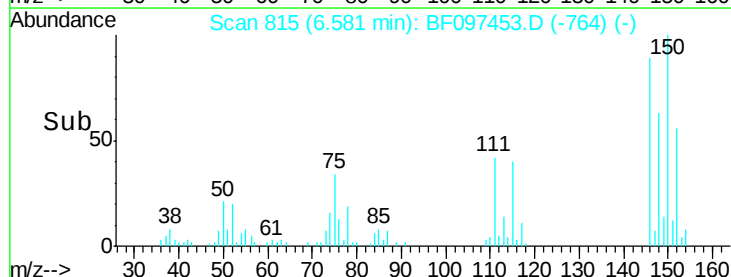
111 46.6 38.2 57.4

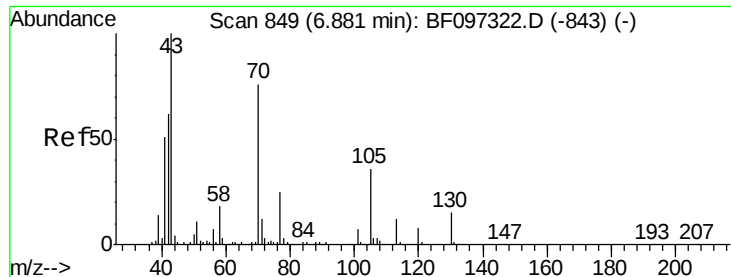


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

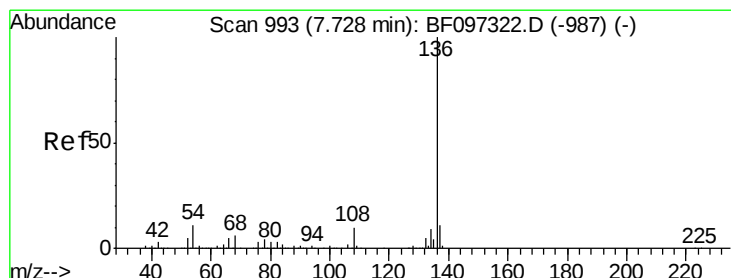
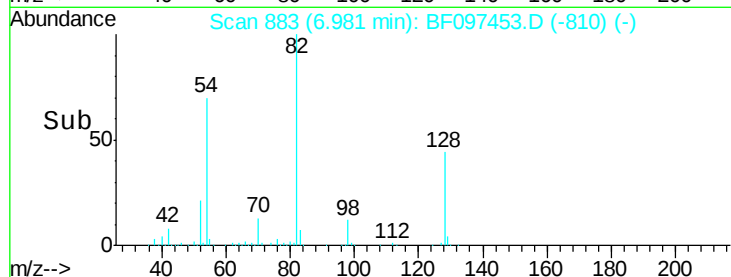
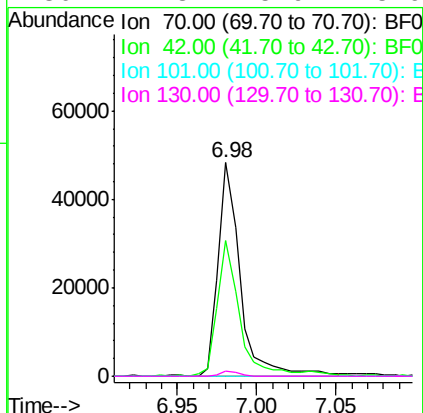
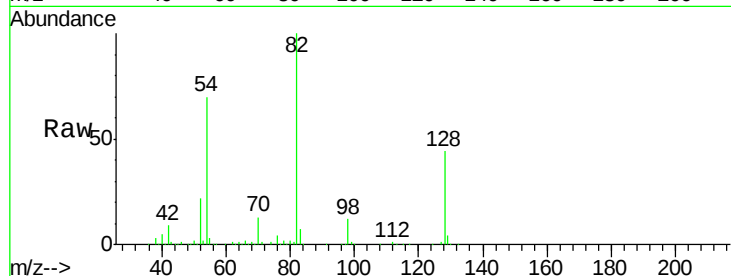




#19
n-Nitroso-di-n-propylamine
Concen: 5.32 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

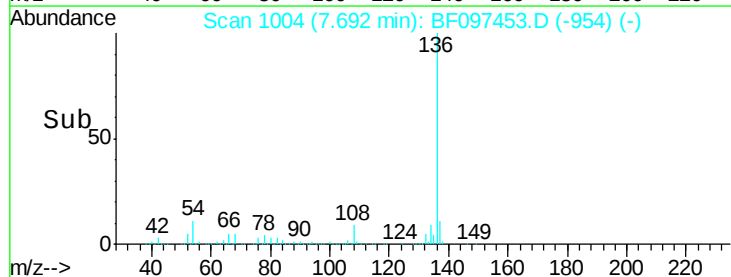
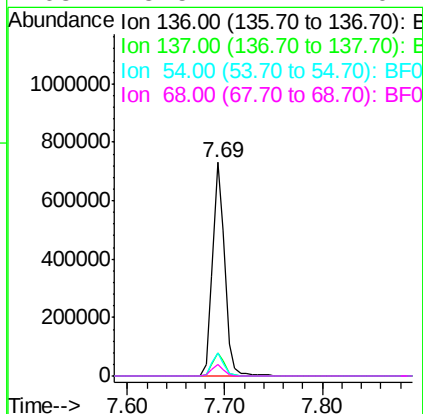
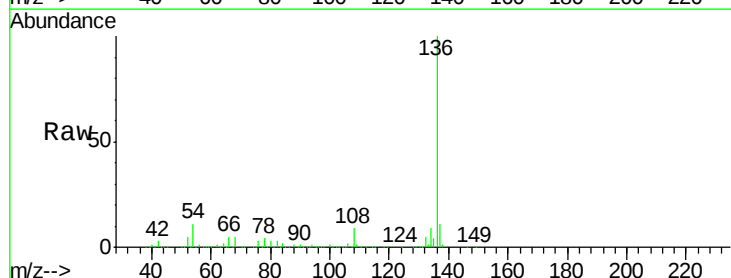
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

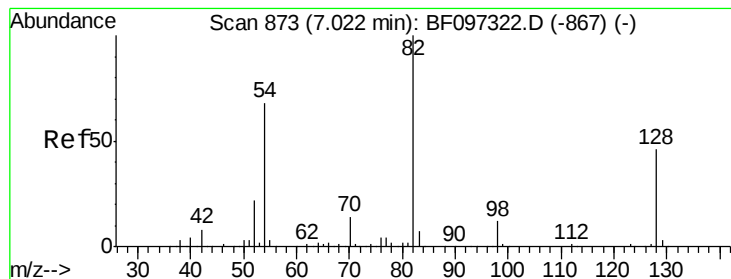
Tot Ion: 70 Resp: 47074
Ion Ratio Lower Upper
70 100
42 63.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.69 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion: 136 Resp: 634525
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.5 4.9 7.3#
68 5.5 4.1 6.1





#23

Nitrobenzene-d5

Concen: 32.96 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

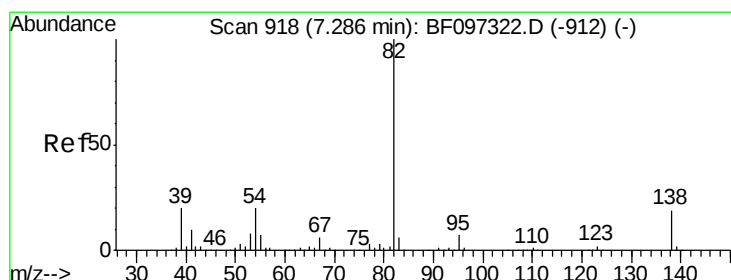
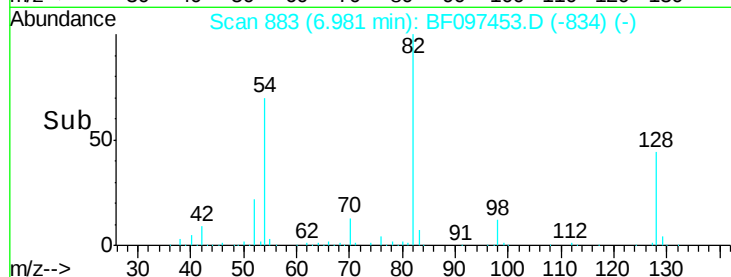
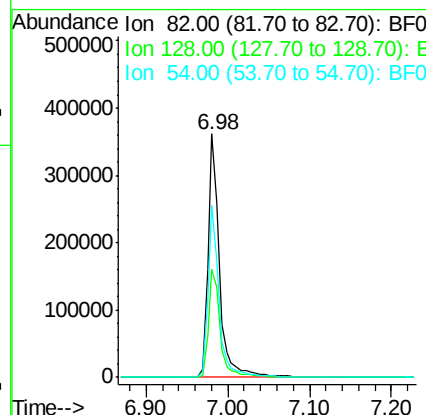
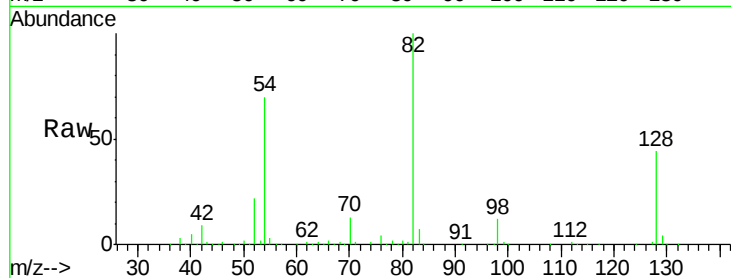
Tot Ion: 82 Resp: 356459

Ion Ratio Lower Upper

82 100

128 44.3 34.0 51.0

54 70.5 42.2 63.2#



#25

Isophorone

Concen: 16.83 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

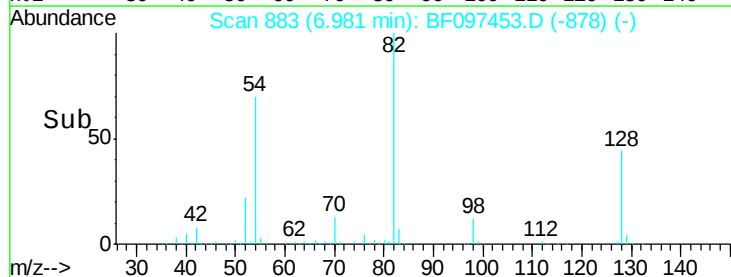
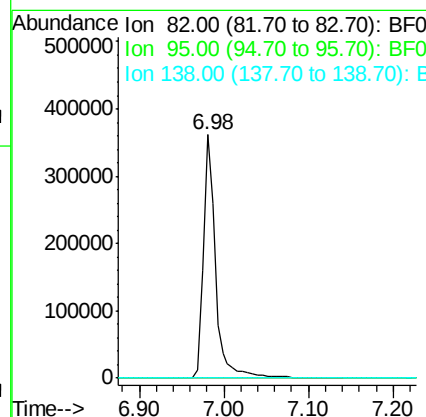
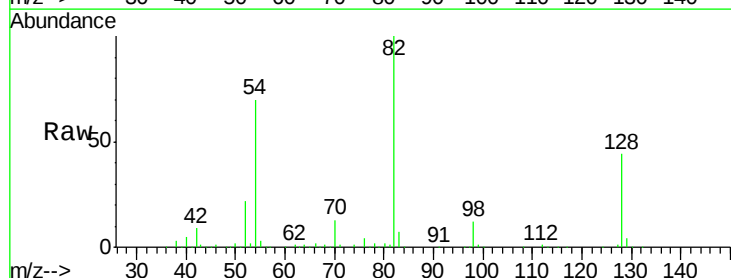
Tgt Ion: 82 Resp: 356456

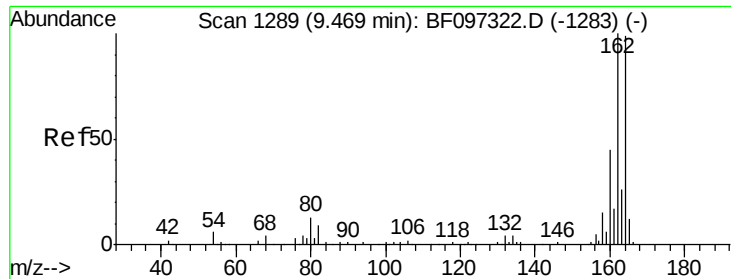
Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

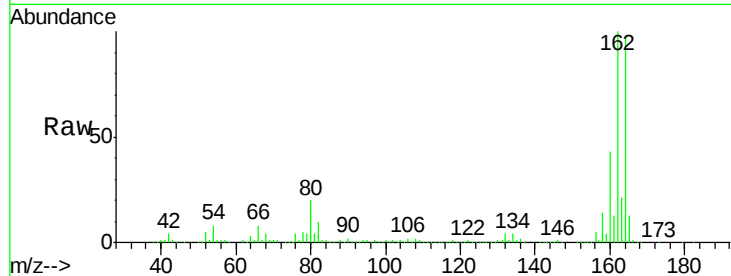




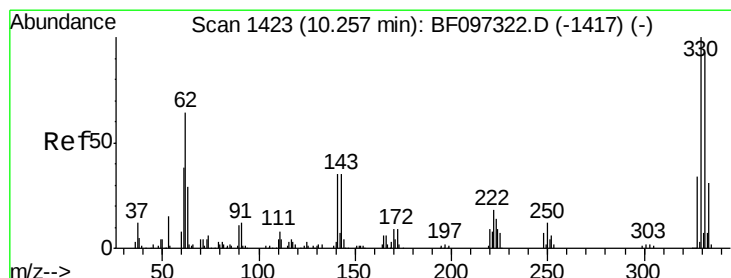
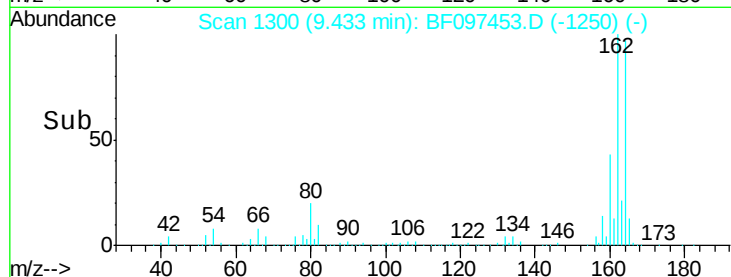
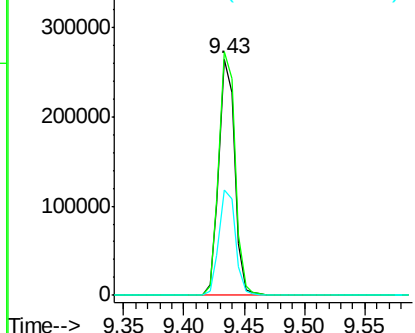
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097453.D
 Acq: 8 Aug 2017 3:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	44.5	36.2	54.2

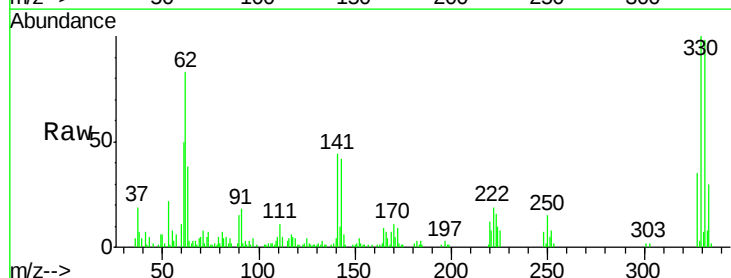


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

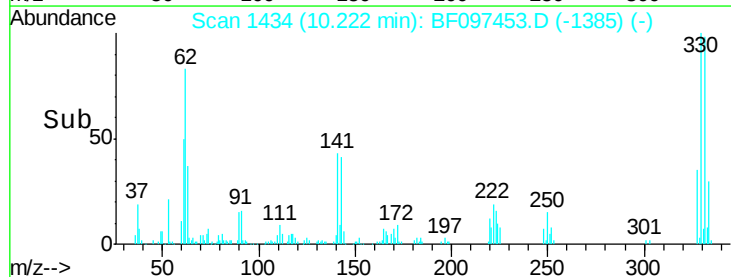
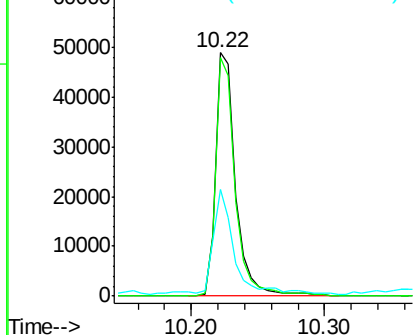


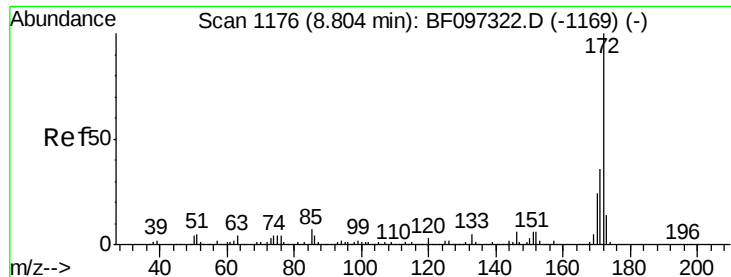
#41
 2,4,6-Tribromophenol
 Concen: 27.32 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097453.D
 Acq: 8 Aug 2017 3:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	43.4	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

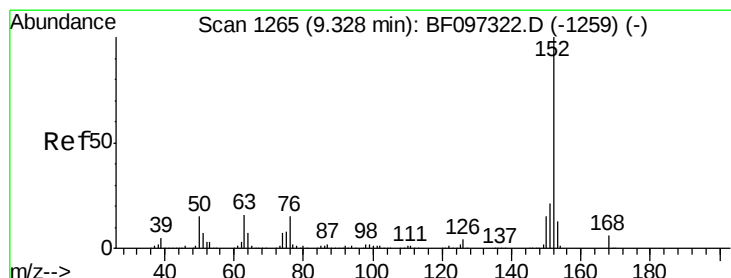
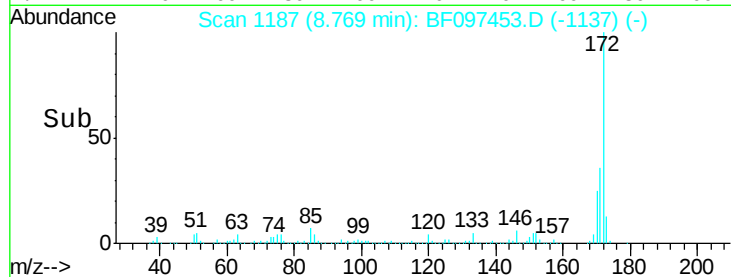
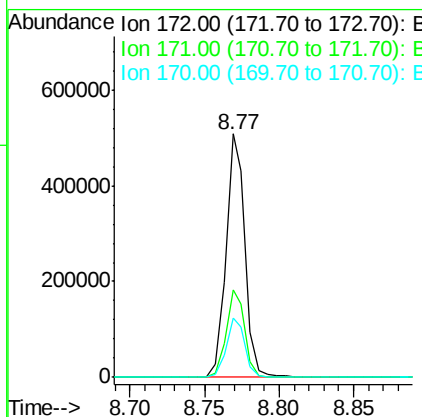
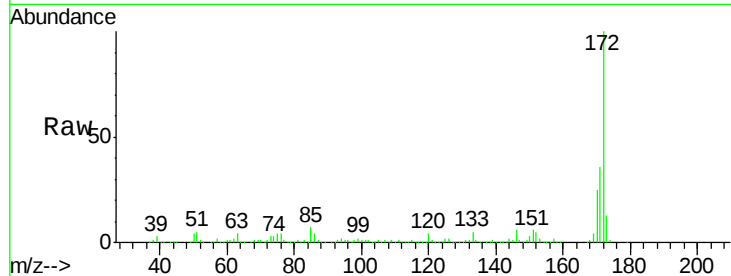




#44
2-Fluorobiphenyl
Concen: 32.19 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

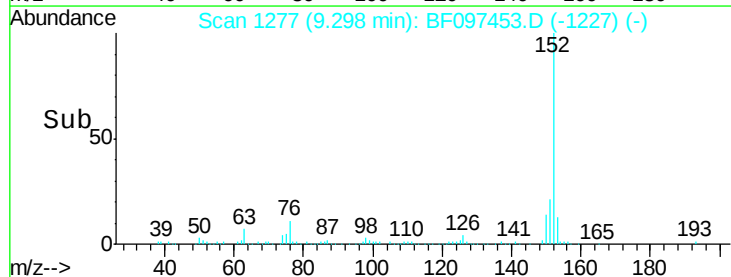
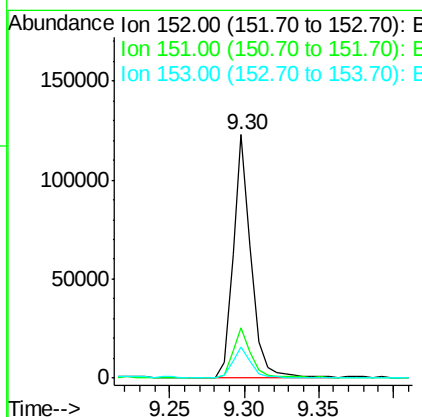
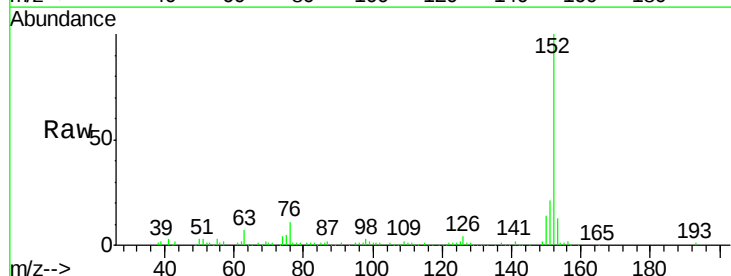
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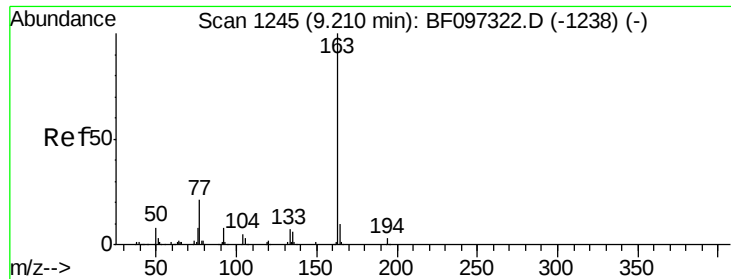
Tot Ion:172 Resp: 454960
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.6 19.8 29.8



#48
Acenaphthylene
Concen: 4.49 ng
RT: 9.30 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion:152 Resp: 104002
Ion Ratio Lower Upper
152 100
151 20.6 16.8 25.2
153 12.6 10.8 16.2

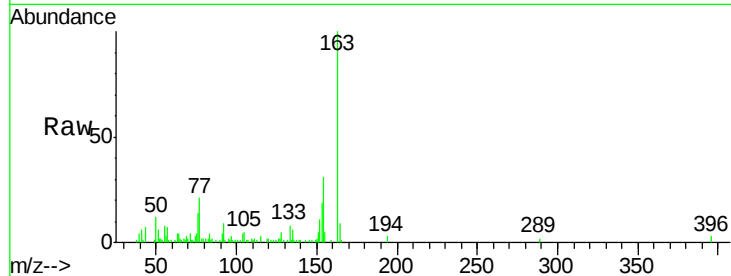




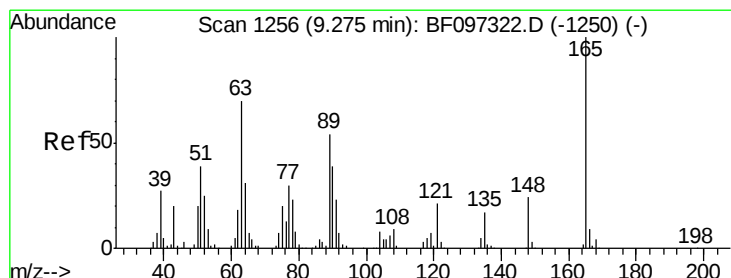
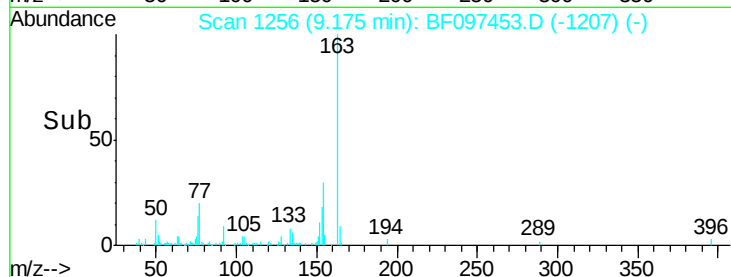
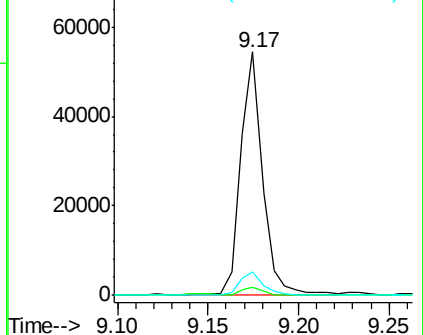
#49
Dimethylphthalate
Concen: 2.54 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	9.4	8.4	12.6	

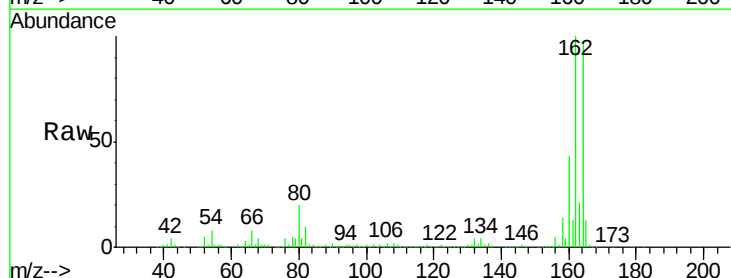


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

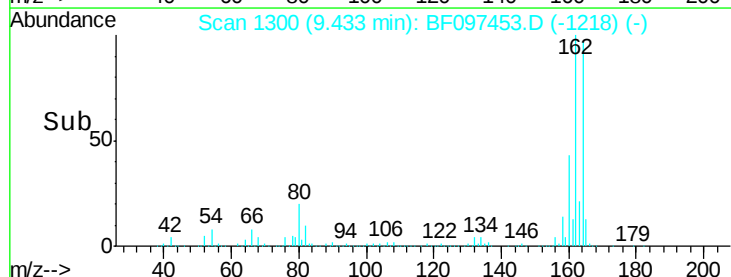
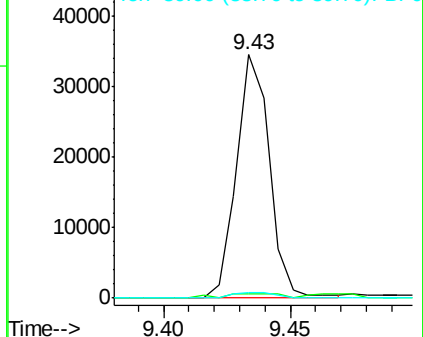


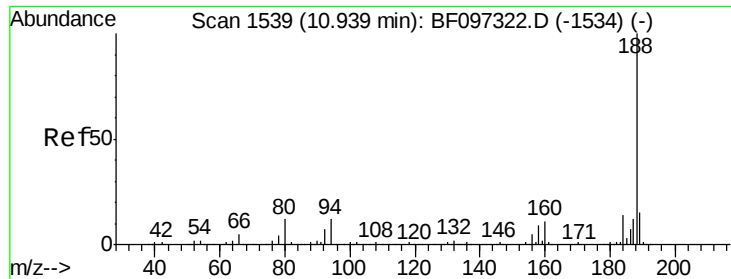
#50
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.43 min Scan# 1300
Delta R.T. 0.18 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	1.8	34.3	51.5#	
89	2.1	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

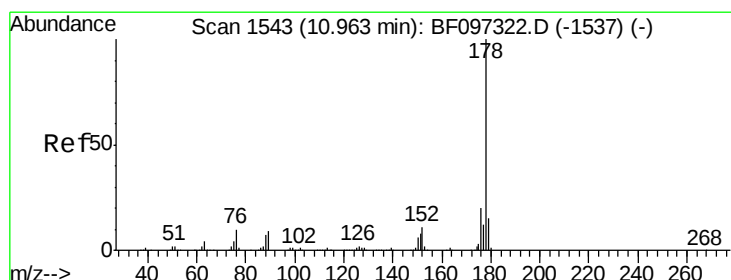
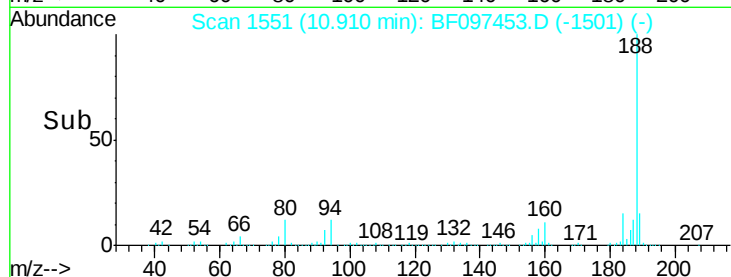
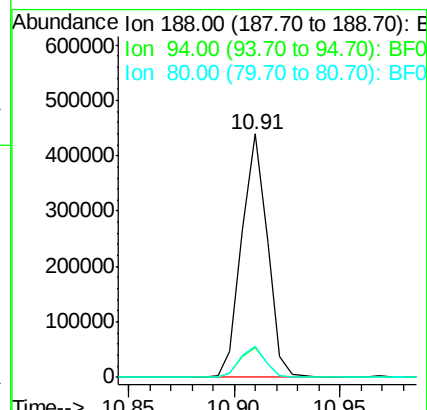
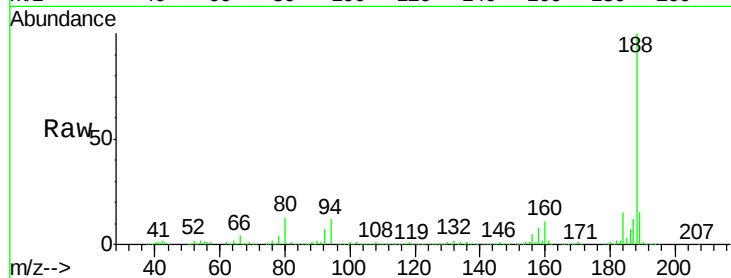




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097453.D
 Acq: 8 Aug 2017 3:13

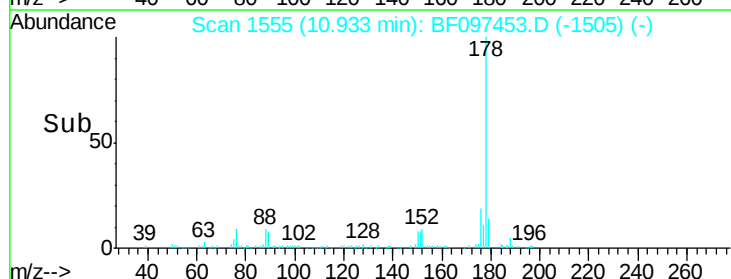
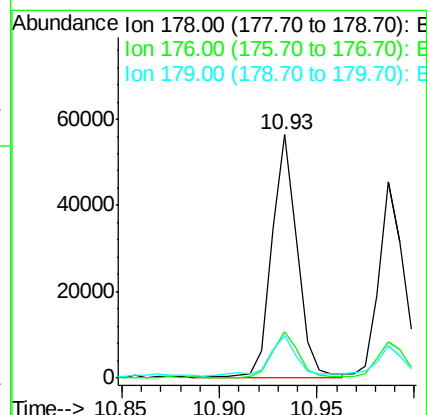
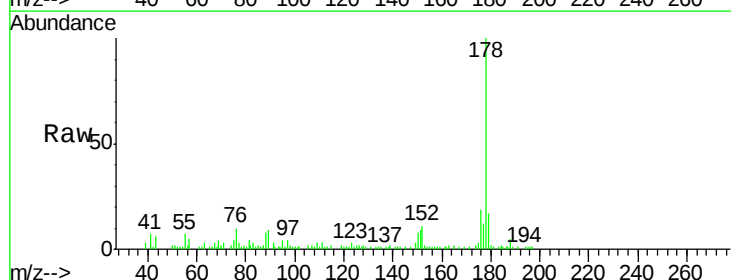
Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-WSW

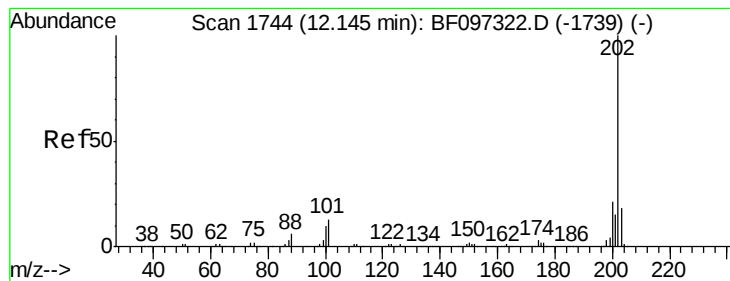
Tot Ion:188 Resp: 369815
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 12.6 10.2 15.2



#70
 Phenanthrene
 Concen: 2.59 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF097453.D
 Acq: 8 Aug 2017 3:13

Tgt Ion:178 Resp: 51277
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.2 24.4
 179 17.4 12.6 19.0





#74

Fluoranthene

Concen: 4.56 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

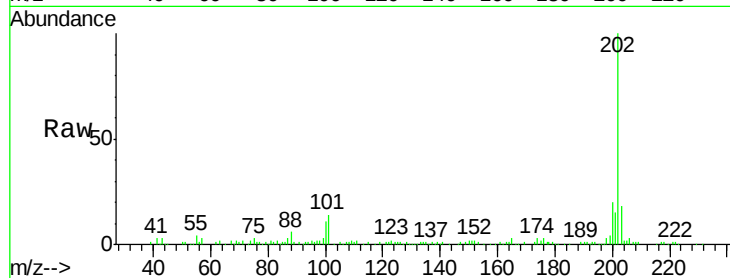
Tot Ion:202 Resp: 88612

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

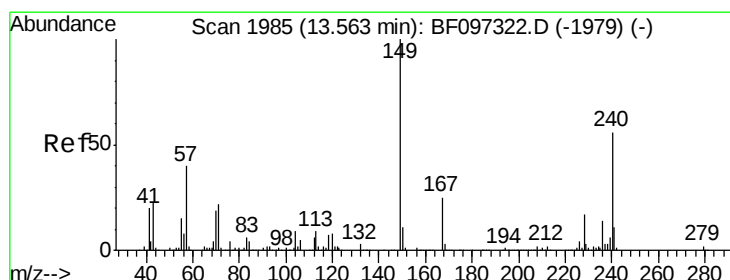
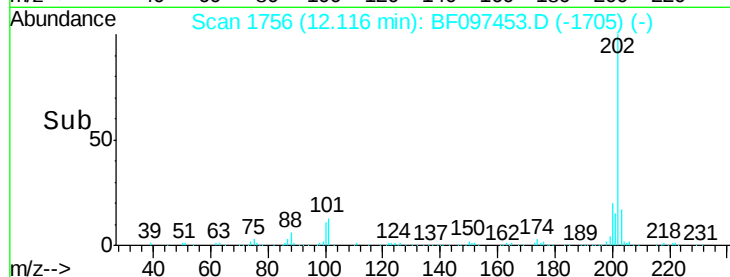
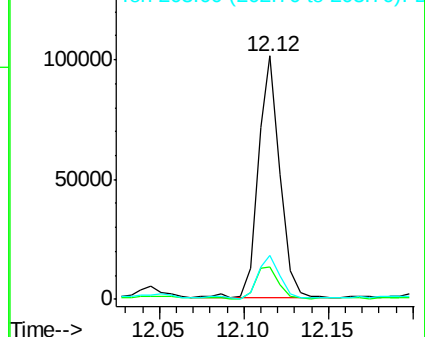
203 17.9 0.0 38.1



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: BF097453.D

Acq: 8 Aug 2017 3:13

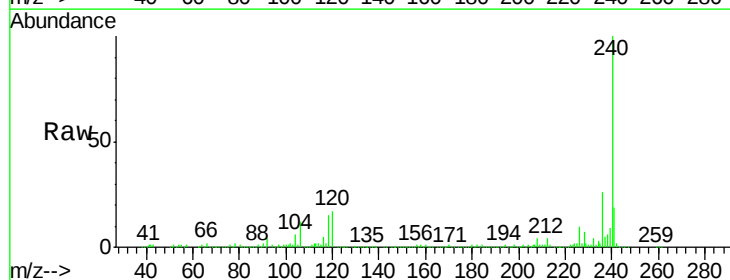
Tgt Ion:240 Resp: 351823

Ion Ratio Lower Upper

240 100

120 16.8 5.8 8.8#

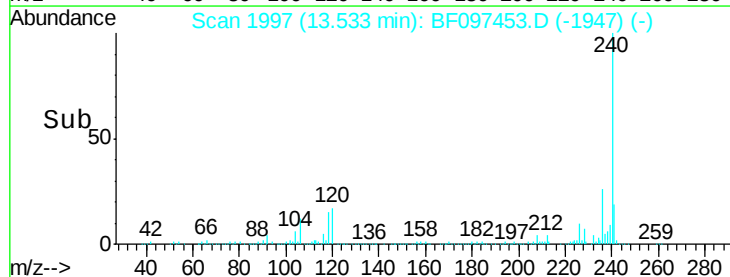
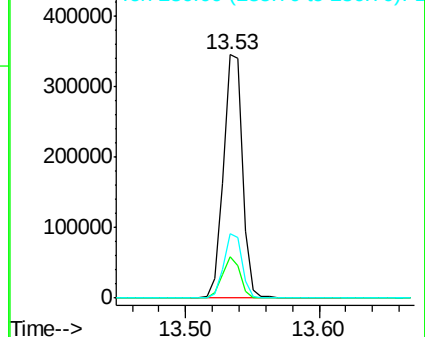
236 26.5 20.5 30.7

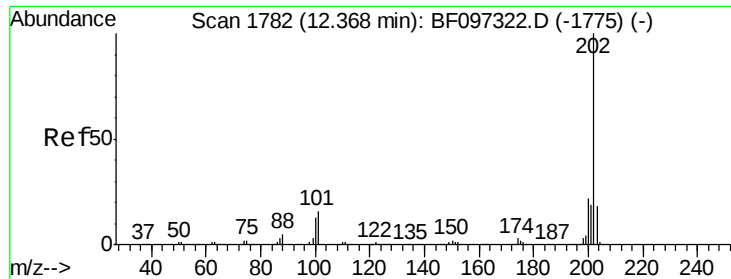


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

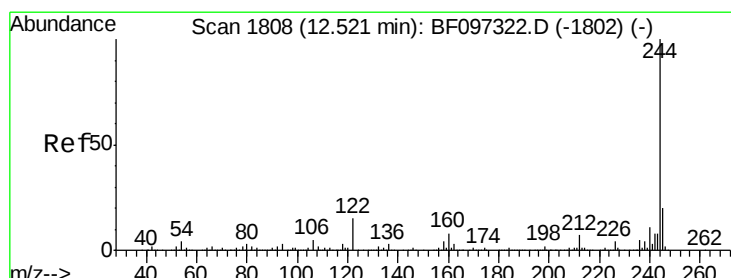
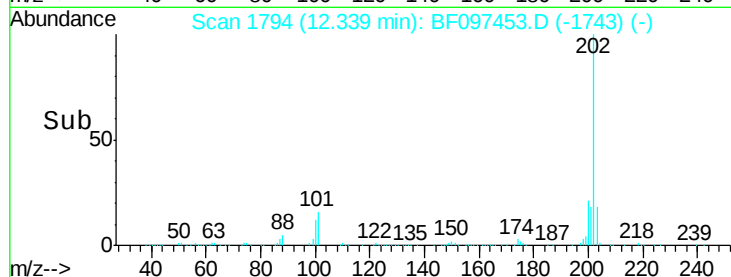
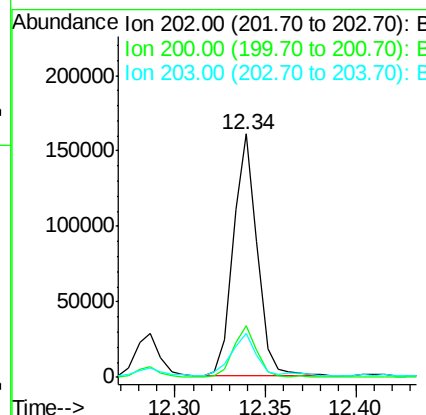
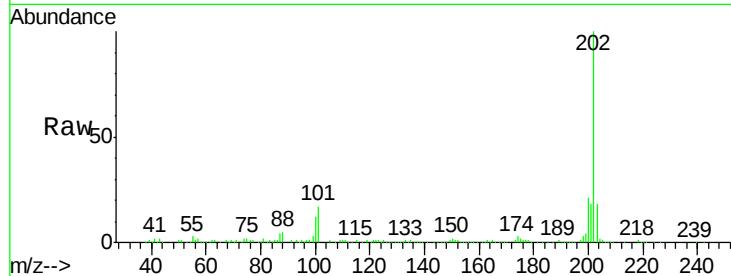




#77
Pvrene
Concen: 5.09 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

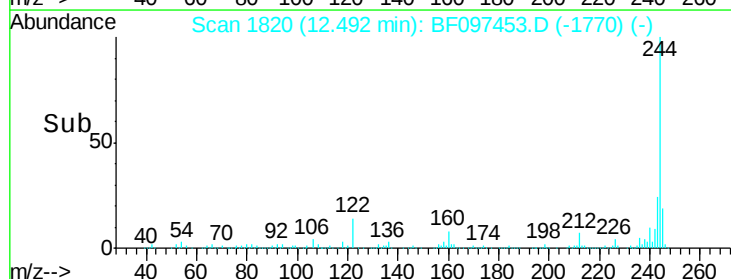
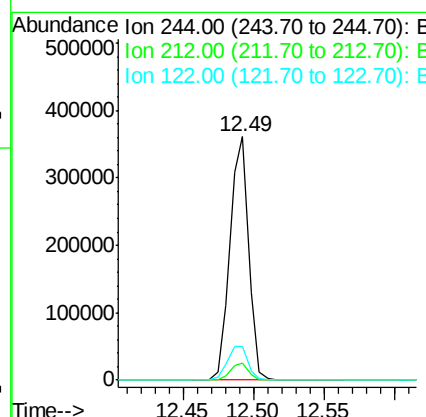
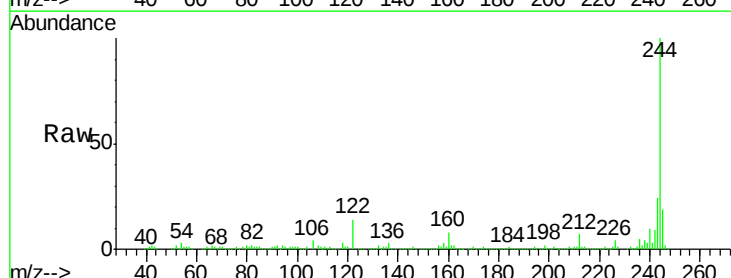
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

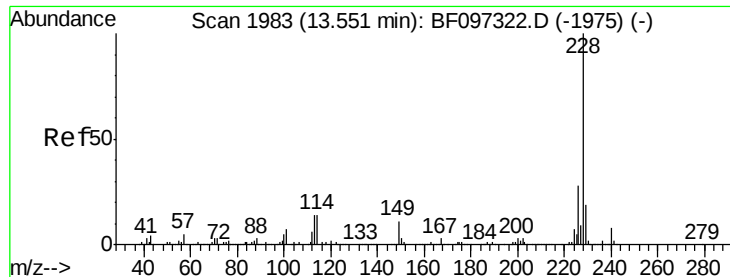
Tot Ion:202 Resp: 146652
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 18.1 14.4 21.6



#78
Terphenyl-d14
Concen: 19.23 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion:244 Resp: 331766
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 14.1 10.3 15.5

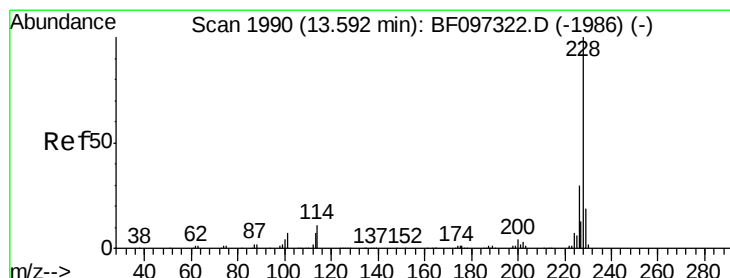
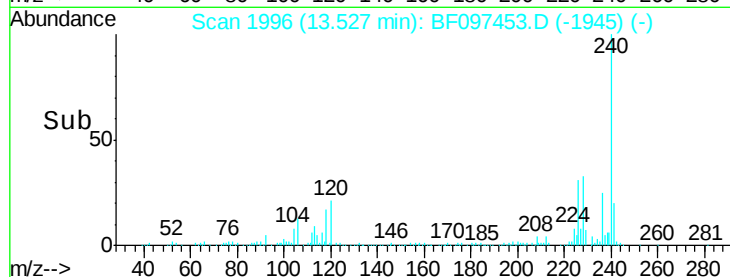
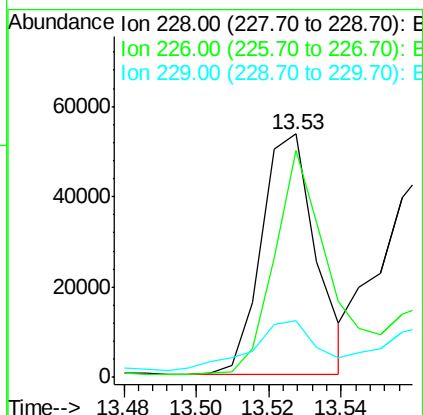
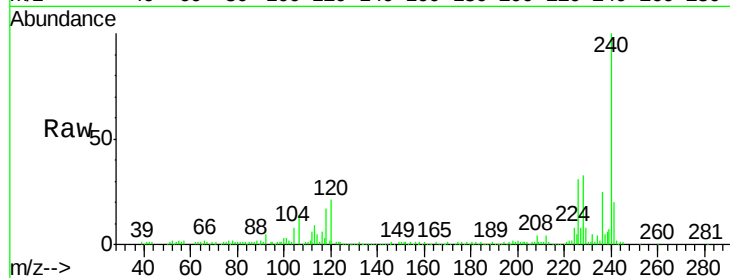




#80
Benzo(a)anthracene
Concen: 2.45 ng
RT: 13.53 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

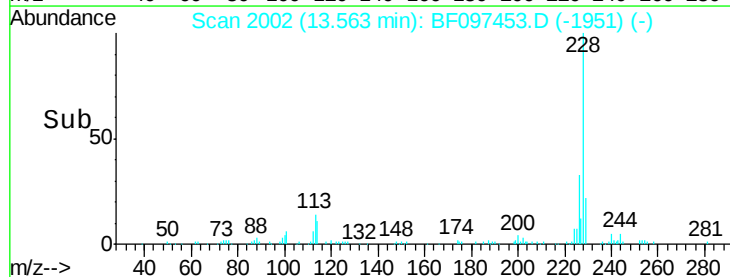
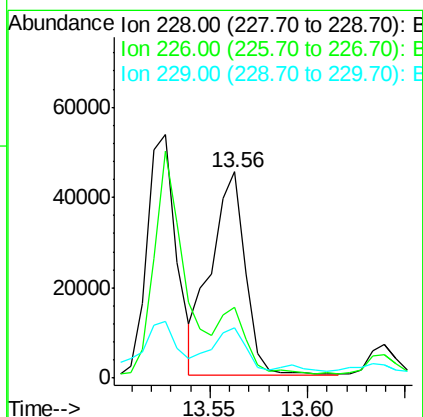
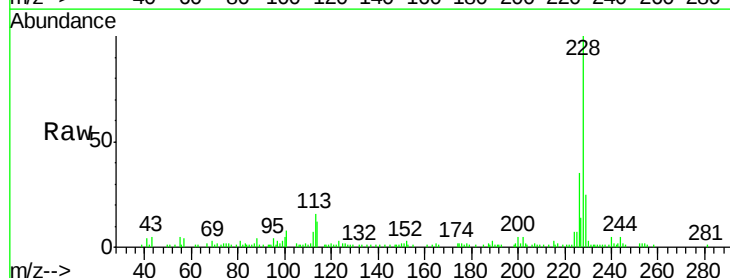
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

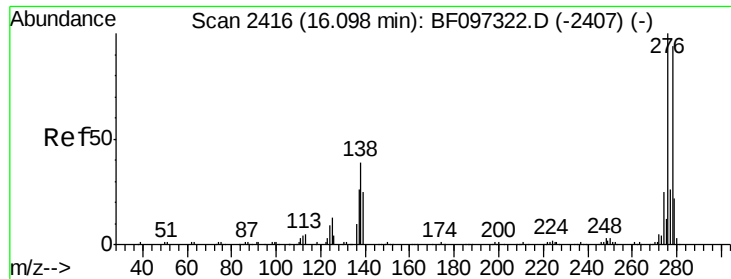
Tot Ion:228 Resp: 55800
Ion Ratio Lower Upper
228 100
226 93.0 22.6 33.8#
229 23.2 16.3 24.5



#82
Chrysene
Concen: 2.50 ng
RT: 13.56 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion:228 Resp: 55517
Ion Ratio Lower Upper
228 100
226 34.6 24.9 37.3
229 24.5 15.8 23.6#

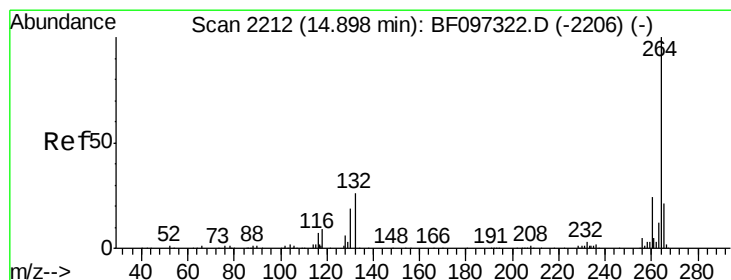
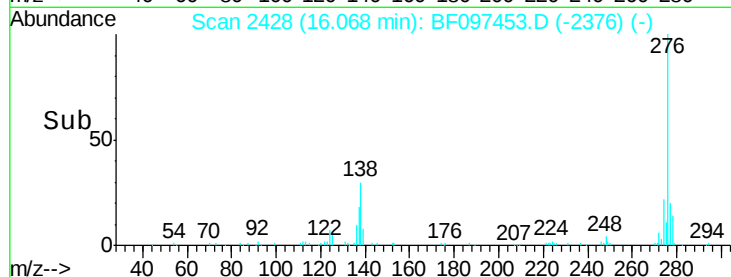
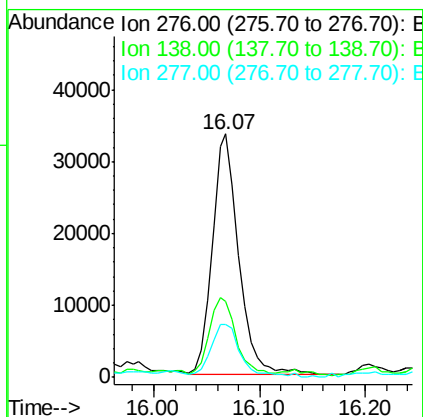
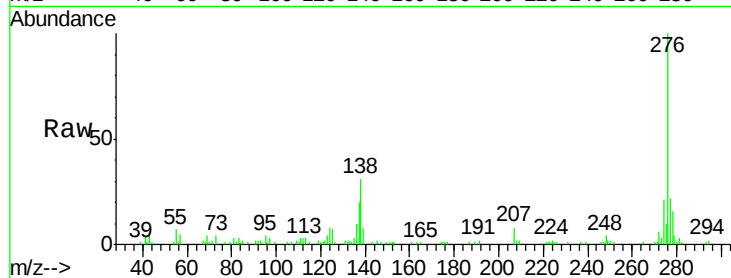




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.06 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

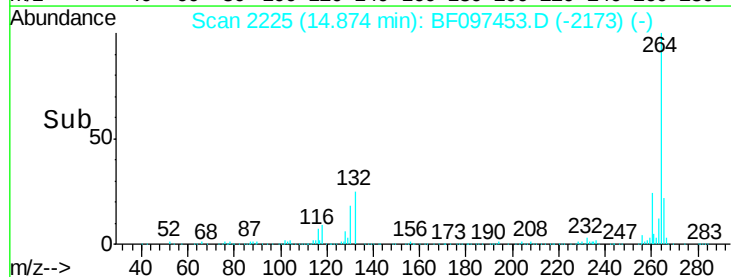
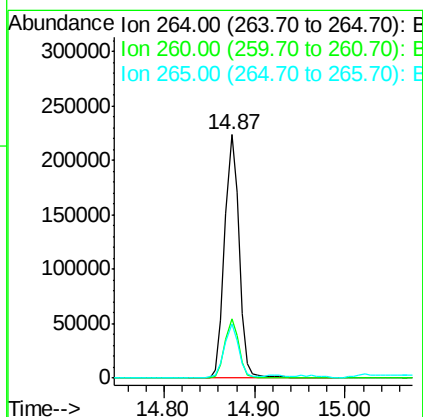
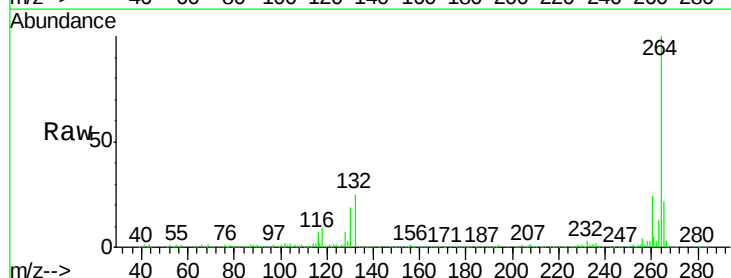
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

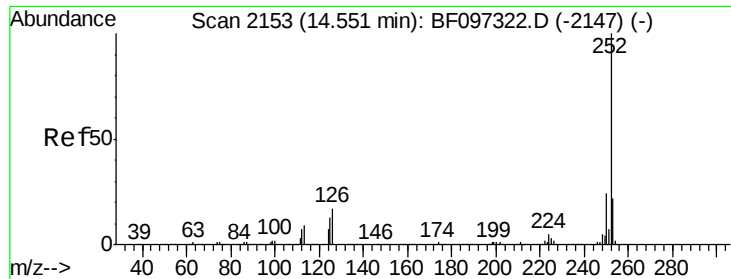
Tot Ion:276 Resp: 58244
Ion Ratio Lower Upper
276 100
138 31.2 27.8 41.6
277 25.5 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion:264 Resp: 247174
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.3 17.2 25.8

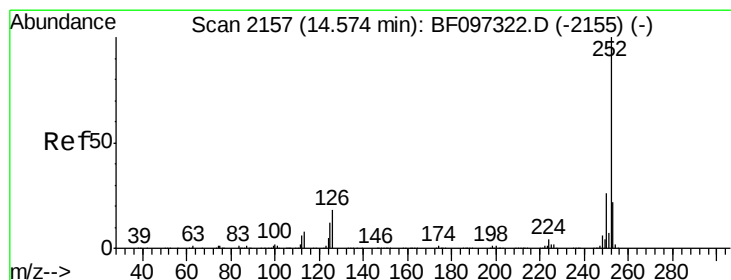
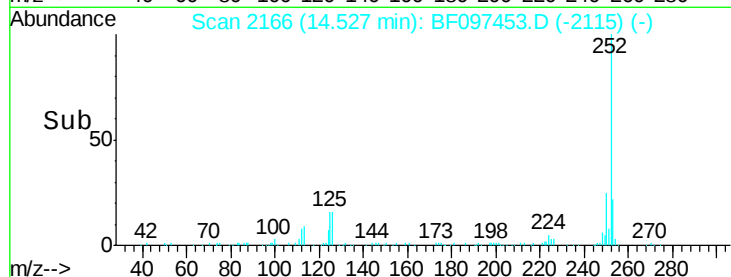
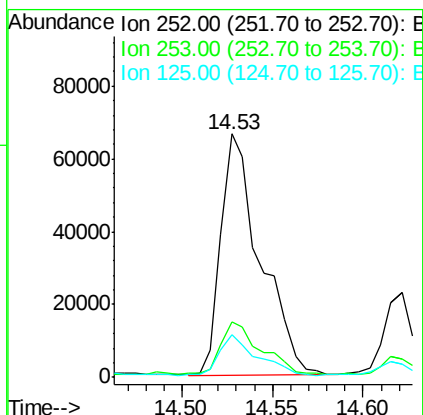
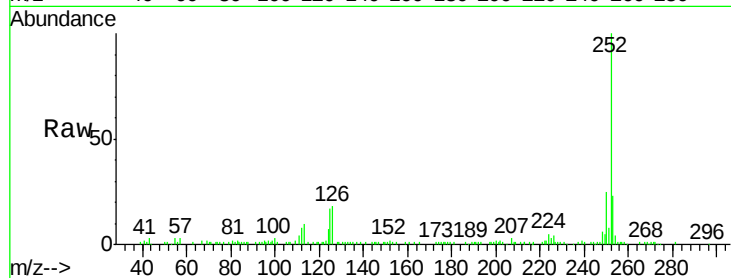




#87
Benzo(b)fluoranthene
Concen: 6.80 ng
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

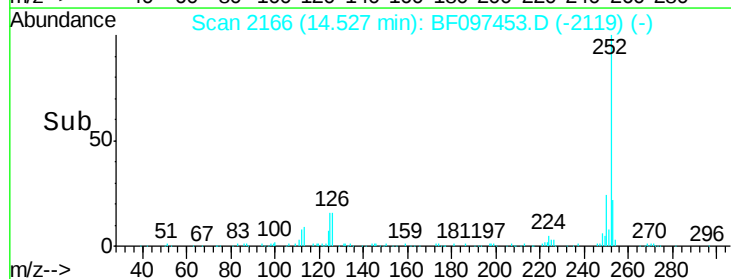
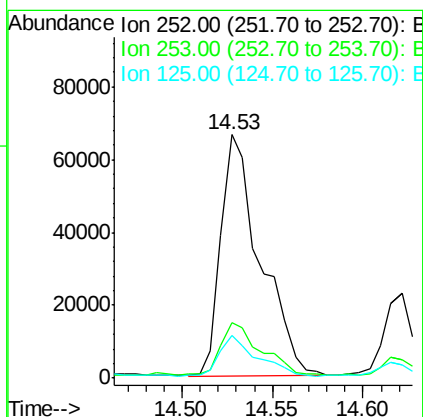
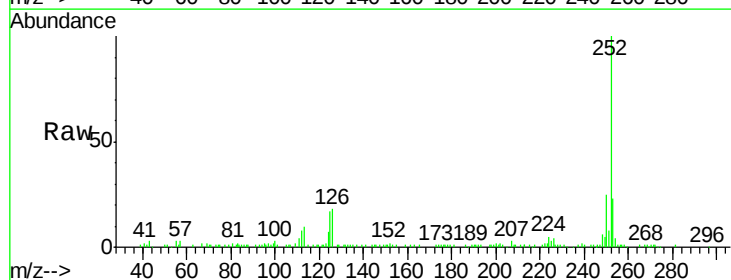
Instrument :
BNA_F
ClientSampleId :
E2-N10-WSW

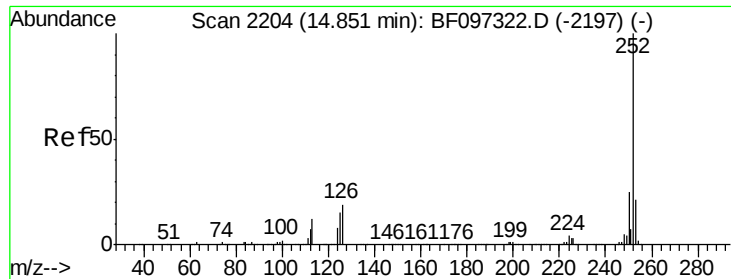
Tot Ion:252 Resp: 101090
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 17.3 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 7.14 ng
RT: 14.53 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097453.D
Acq: 8 Aug 2017 3:13

Tgt Ion:252 Resp: 101090
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 17.3 13.1 19.7





#89

Benzo(a)pyrene

Concen: 5.08 ng

RT: 14.83 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

Instrument :

BNA_F

ClientSampleId :

E2-N10-WSW

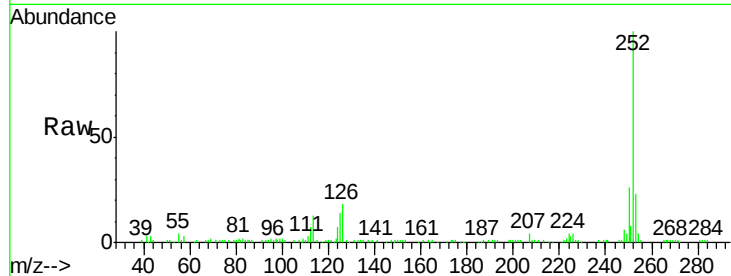
Tot Ion:252 Resp: 69129

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

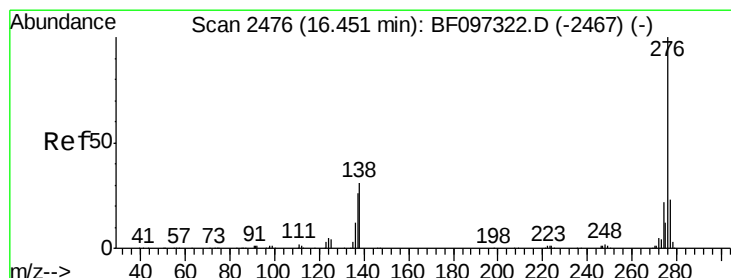
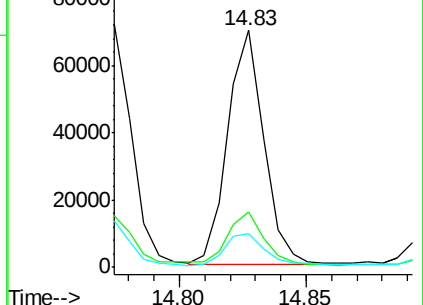
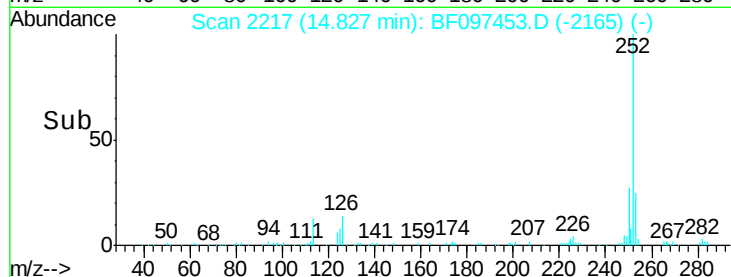
125 14.0 11.0 16.4



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: 8.99 ng

RT: 16.42 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BF097453.D

Acq: 8 Aug 2017 3:13

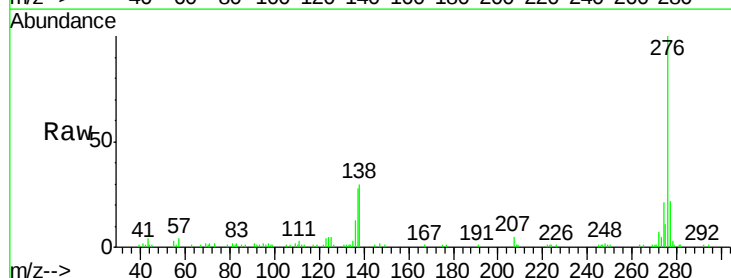
Tgt Ion:276 Resp: 105140

Ion Ratio Lower Upper

276 100

277 21.9 18.6 28.0

138 29.6 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

