

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097673.D
 Acq On : 13 Aug 2017 14:25
 Operator : SJ/JU
 Sample : I4682-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-G10-ESW

Quant Time: Aug 14 05:32:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	122157	20.00	ng	0.00
21) Naphthalene-d8	9.53	136	501764	20.00	ng	-0.01
38) Acenaphthene-d10	12.35	164	188880	20.00	ng	-0.02
63) Phenanthrene-d10	14.75	188	250083	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	213827	20.00	ng	-0.01
86) Perylene-d12	20.11	264	188603	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	587030	76.38	ng	0.02
7) Phenol-d6	7.07	99	757329	79.44	ng	0.02
23) Nitrobenzene-d5	8.41	82	427703	53.45	ng	-0.01
41) 2,4,6-Tribromophenol	13.65	330	67456	46.98	ng	-0.01
44) 2-Fluorobiphenyl	11.30	172	615761	49.20	ng	-0.02
78) Terphenyl-d14	17.10	244	320683	31.04	ng	-0.02

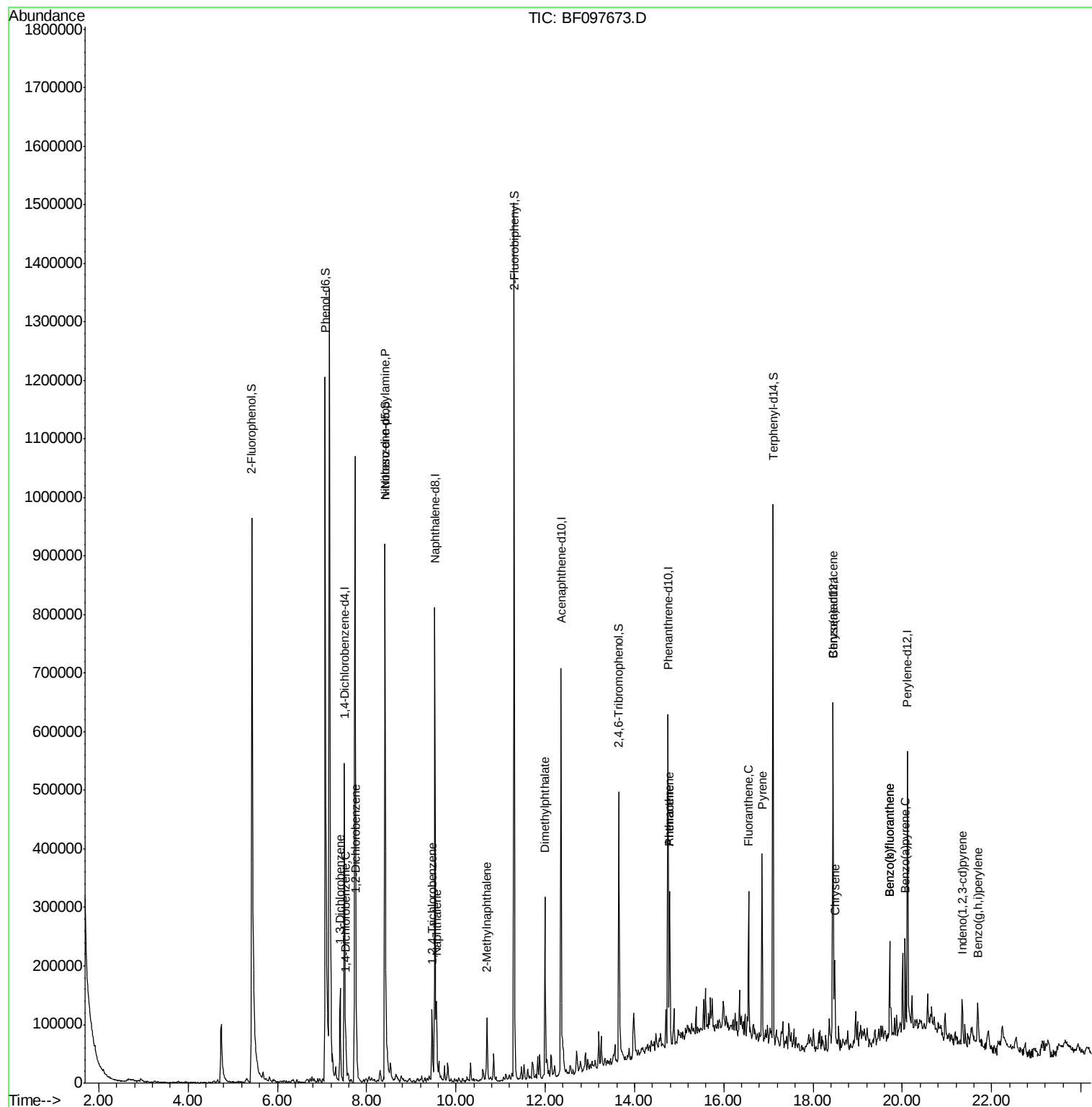
Target Compounds				Qvalue		
12) 1,3-Dichlorobenzene	7.40	146	50594	5.13	ng	97
13) 1,4-Dichlorobenzene	7.53	146	23169	2.31	ng	95
14) 1,2-Dichlorobenzene	7.76	146	46024	5.02	ng	97
19) n-Nitroso-di-n-propylamine	8.41	70	56411	8.51	ng	# 85
30) 1,2,4-Trichlorobenzene	9.46	180	30640	4.77	ng	97
31) Naphthalene	9.56	128	85778	3.41	ng	98
37) 2-Methylnaphthalene	10.69	142	44429	2.81	ng	97
49) Dimethylphthalate	11.99	163	177396	12.19	ng	99
70) Phenanthrene	14.79	178	146567	10.18	ng	99
71) Anthracene	14.79	178	146567	9.95	ng	99
74) Fluoranthene	16.56	202	133533	10.26	ng	98
77) Pyrene	16.86	202	134842	7.63	ng	96
80) Benzo(a)anthracene	18.44	228	63641	5.10	ng	92
82) Chrysene	18.49	228	69884	5.63	ng	96
85) Indeno(1,2,3-cd)pyrene	21.34	276	34543	3.58	ng	98
87) Benzo(b)fluoranthene	19.71	252	103340	9.12	ng	# 93
88) Benzo(k)fluoranthene	19.71	252	103340	9.06	ng	97
89) Benzo(a)pyrene	20.07	252	63919	6.15	ng	# 96
91) Benzo(a,h,i)perylene	21.69	276	46088	5.64	ng	92

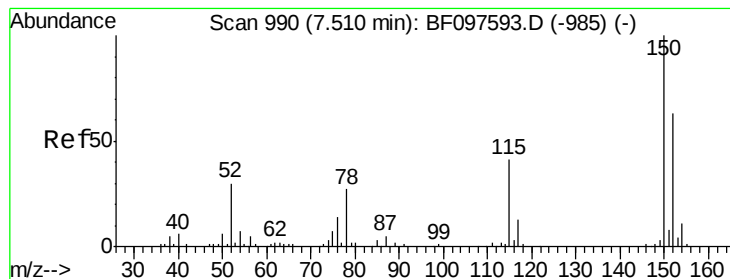
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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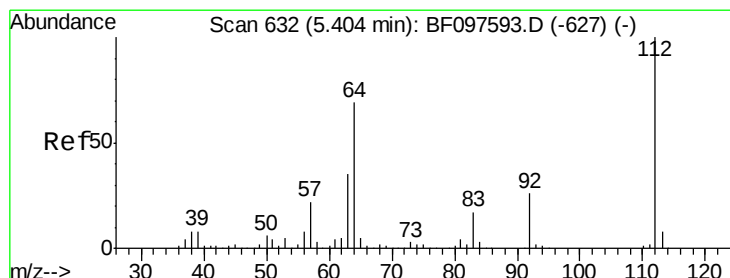
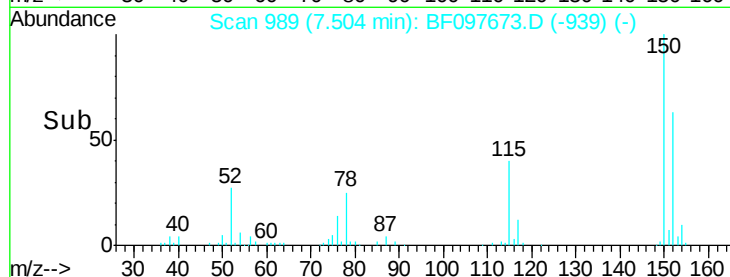
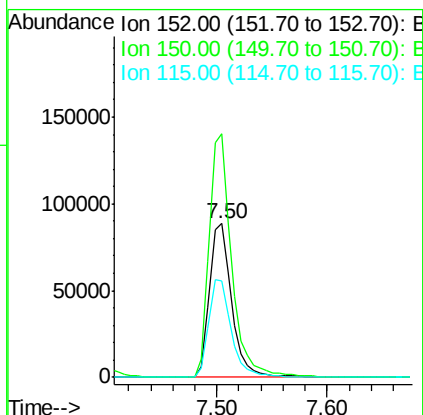
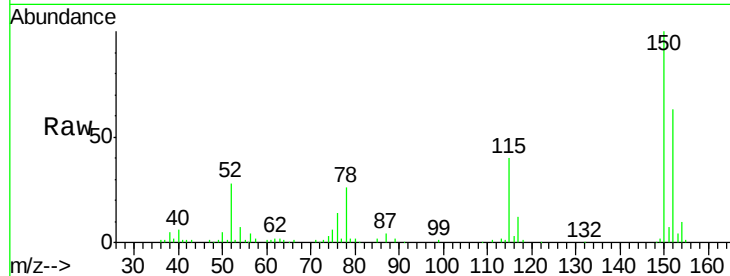


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

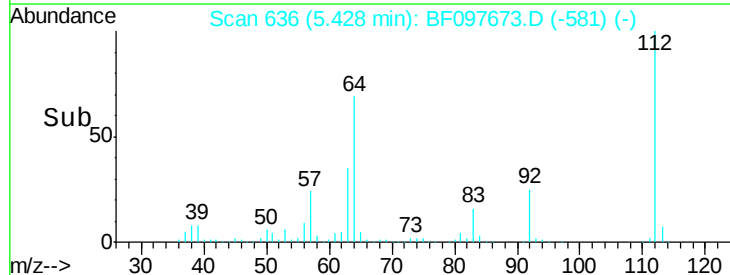
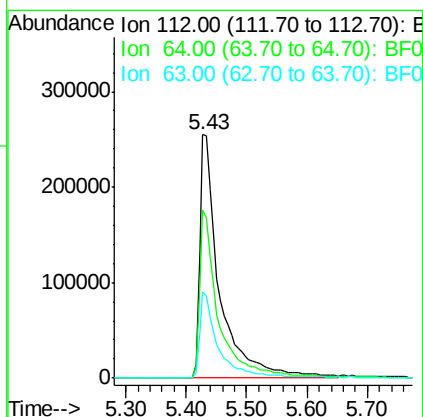
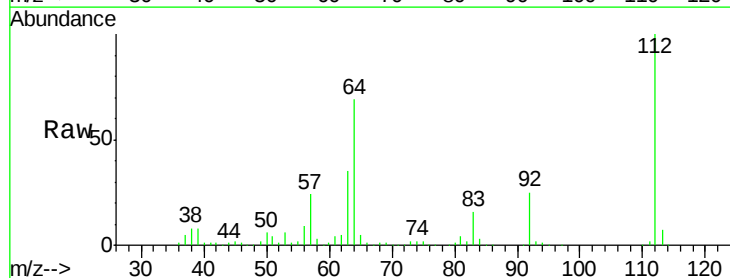
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	62.9	52.2	78.2

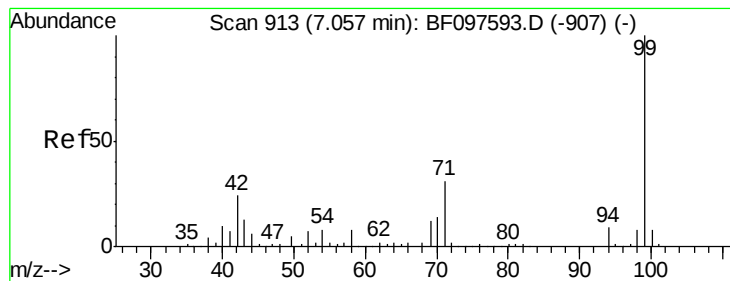


#5

2-Fluorophenol
Concen: 76.38 ng
RT: 5.43 min Scan# 636
Delta R.T. 0.02 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	46.0	69.0
63	35.4	23.4	35.0





#7

Phenol-d6

Concen: 79.44 ng

RT: 7.07 min Scan# 916

Delta R.T. 0.02 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

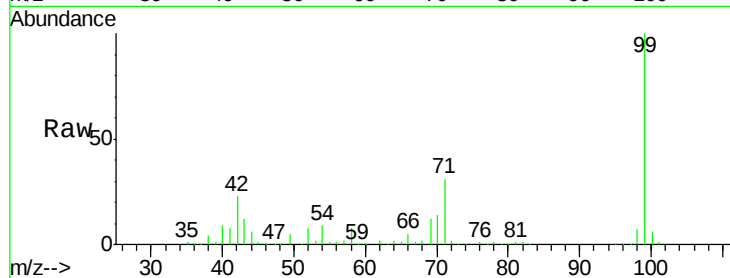
Tot Ion: 99 Resp: 757329

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

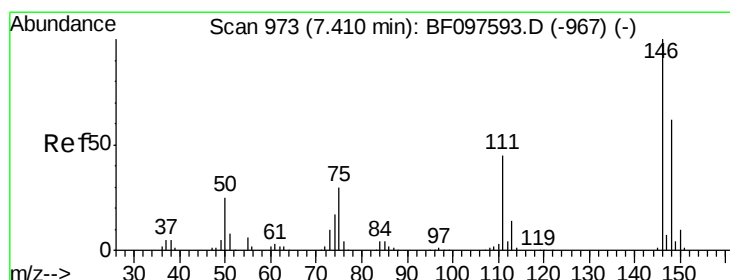
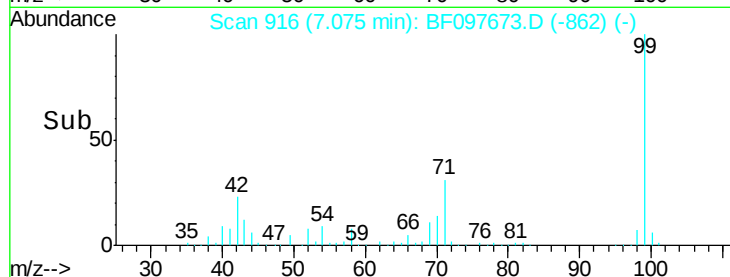
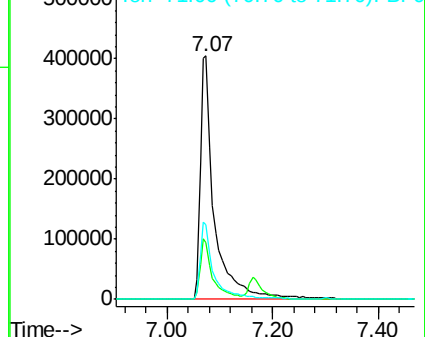
71 30.9 24.5 36.7



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



#12

1,3-Dichlorobenzene

Concen: 5.13 ng

RT: 7.40 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

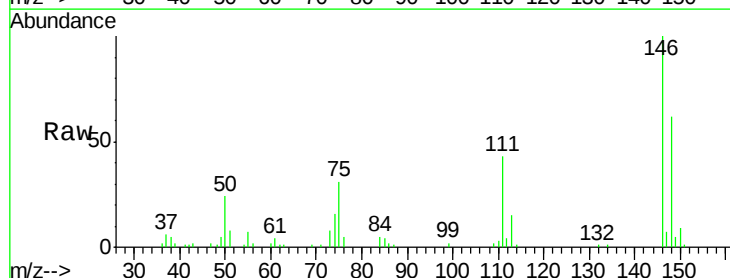
Tgt Ion: 146 Resp: 50594

Ion Ratio Lower Upper

146 100

148 62.0 51.8 77.6

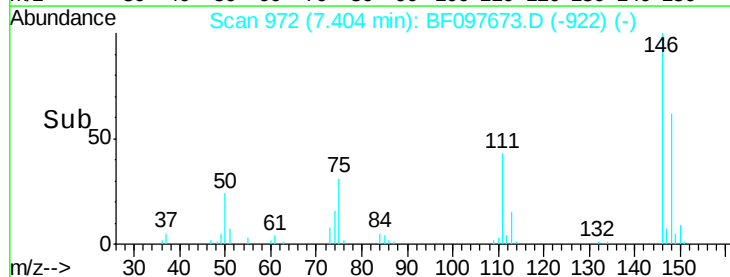
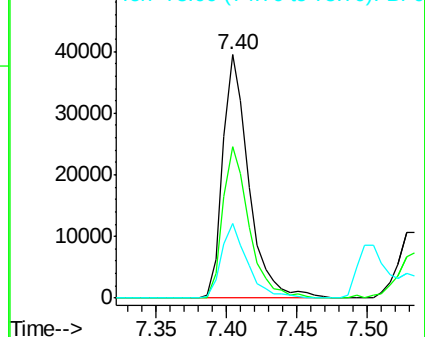
75 30.6 23.1 34.7

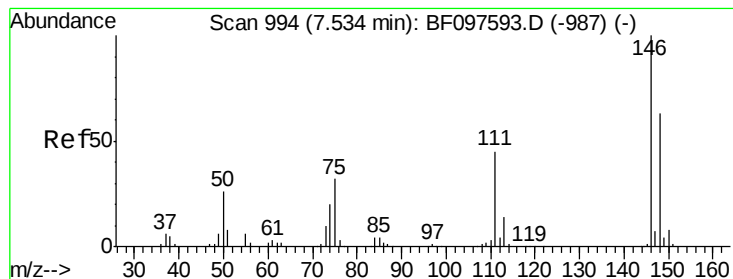


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 2.31 ng

RT: 7.53 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

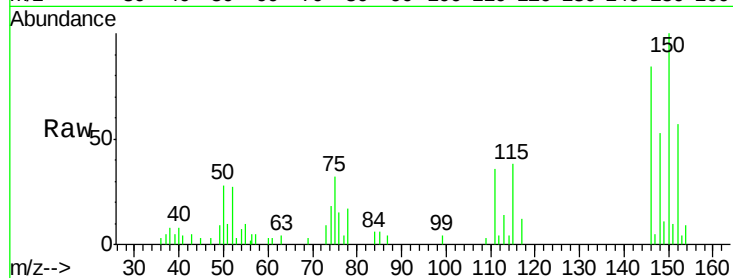
Tot Ion:146 Resp: 23169

Ion Ratio Lower Upper

146 100

148 62.9 52.2 78.2

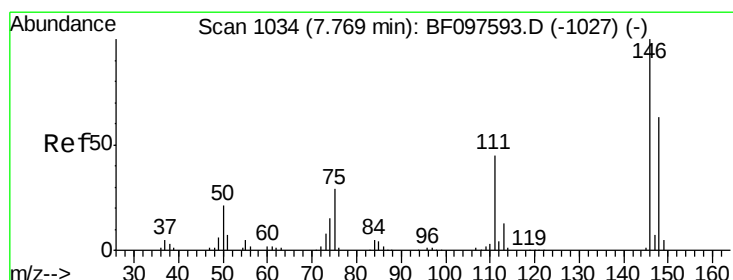
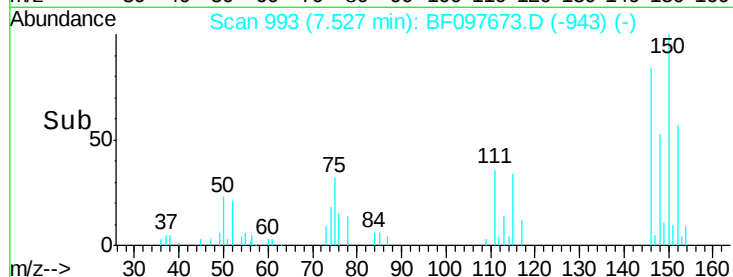
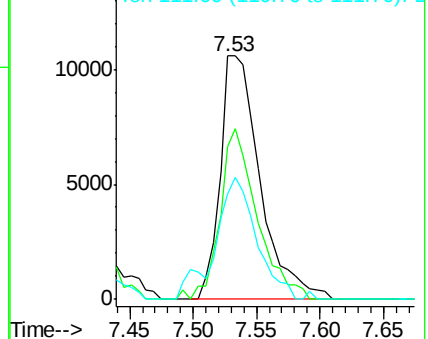
111 43.2 30.3 45.5



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



#14

1,2-Dichlorobenzene

Concen: 5.02 ng

RT: 7.76 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

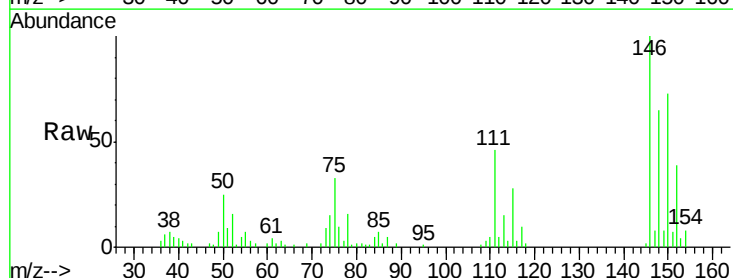
Tgt Ion:146 Resp: 46024

Ion Ratio Lower Upper

146 100

148 64.9 50.4 75.6

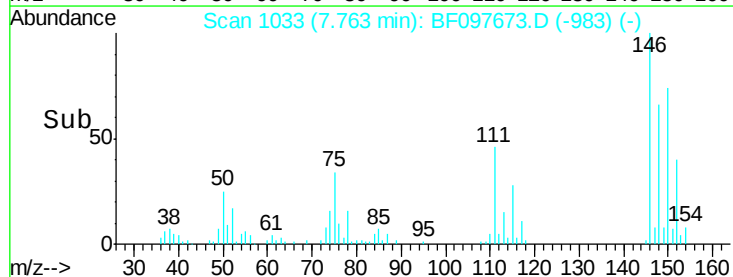
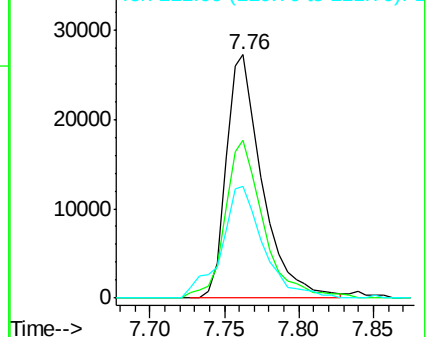
111 45.8 38.2 57.4

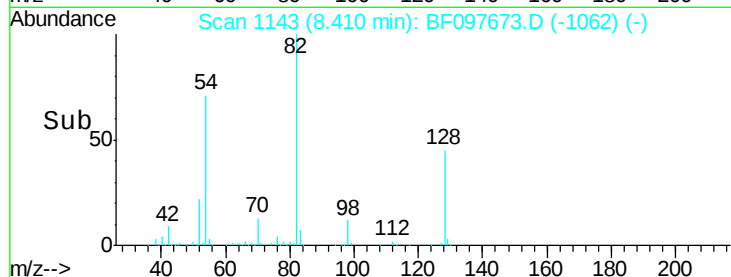
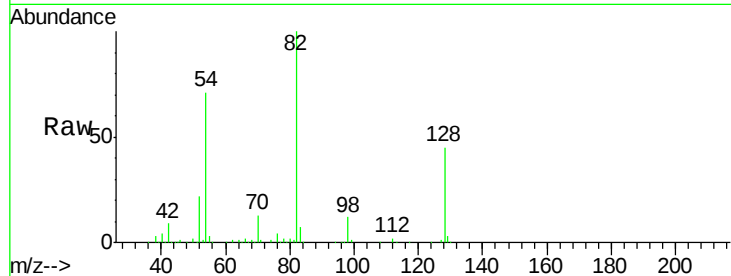
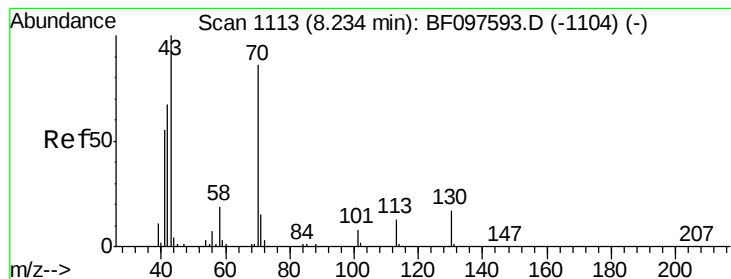


Abundance Ion 146.00 (145.70 to 146.70): E

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: 8.51 ng

RT: 8.41 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

Tot Ion: 70 Resp: 56411

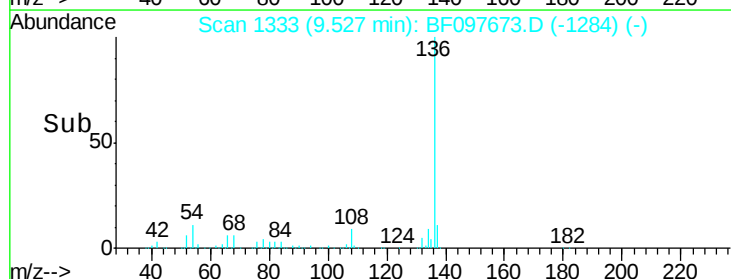
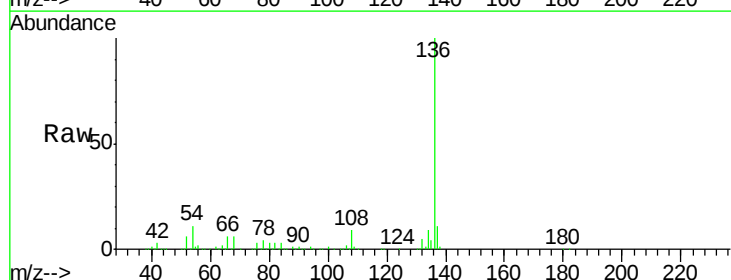
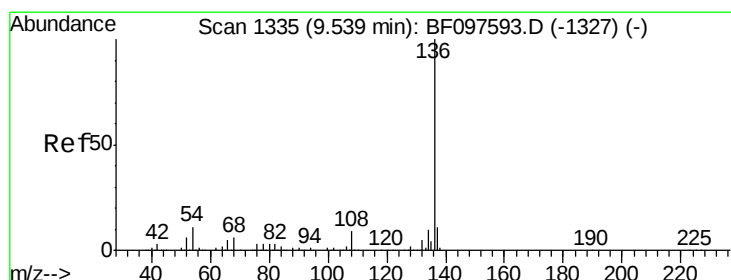
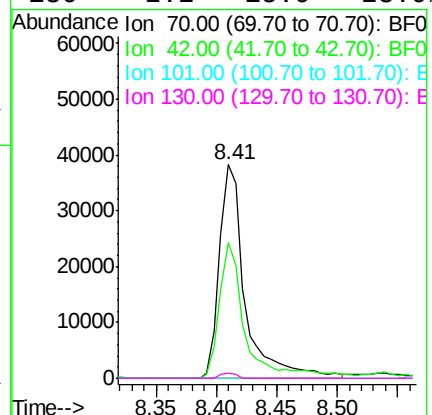
Ion Ratio Lower Upper

70 100

42 63.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Tgt Ion: 136 Resp: 501764

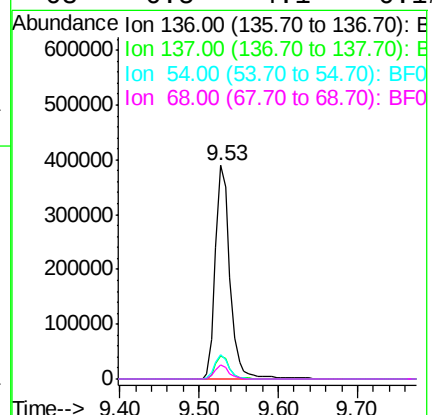
Ion Ratio Lower Upper

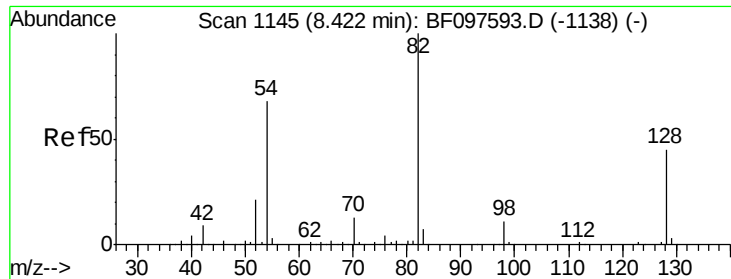
136 100

137 10.7 8.5 12.7

54 11.3 4.9 7.3#

68 6.5 4.1 6.1#

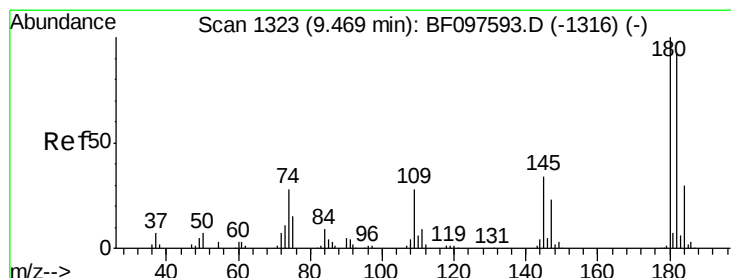
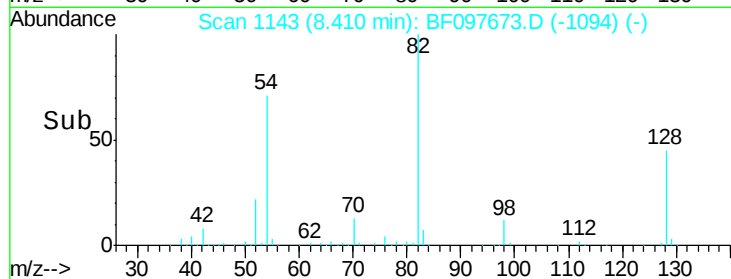
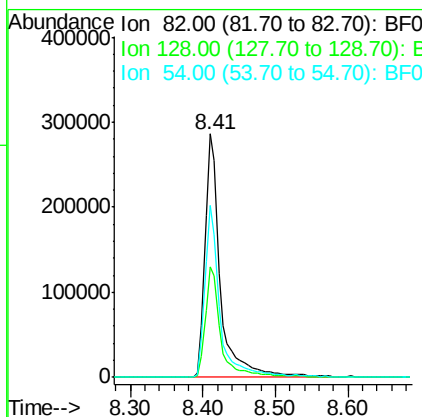
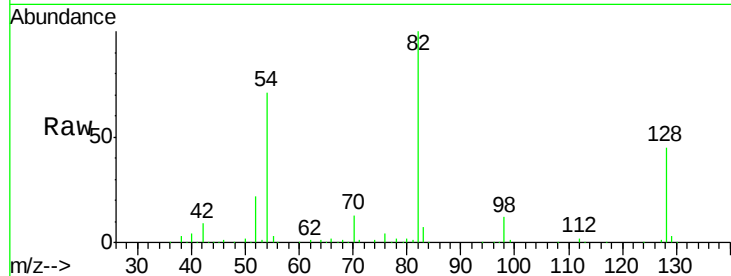




#23
 Nitrobenzene-d5
 Concen: 53.45 ng
 RT: 8.41 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

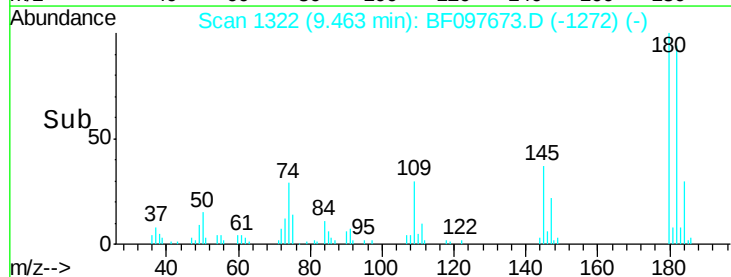
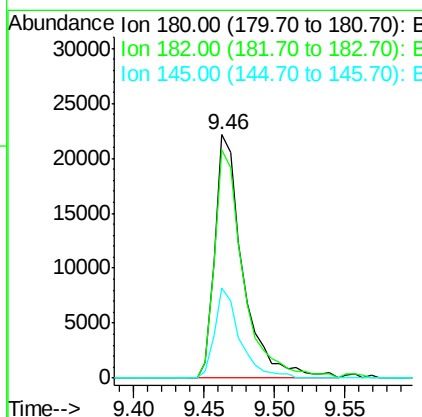
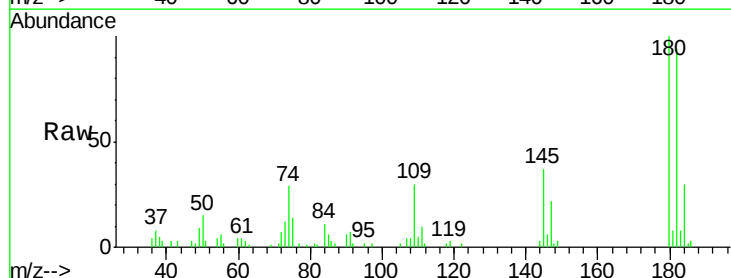
Instrument :
 BNA_F
 ClientSampleId :
 E2-G10-ESW

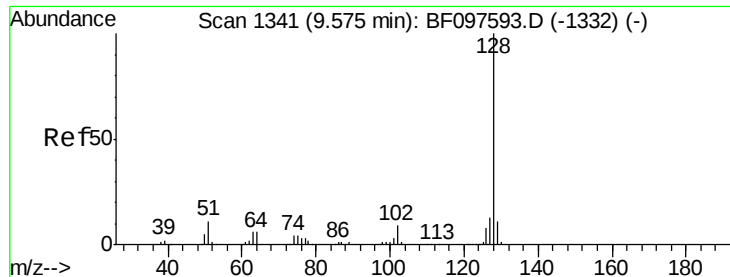
Tot Ion	82	Resp	427703
Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.0	51.0
54	70.7	42.2	63.2



#30
 1,2,4-Trichlorobenzene
 Concen: 4.77 ng
 RT: 9.46 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

Tgt Ion	180	Resp	30640
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.6
145	37.1	25.3	37.9

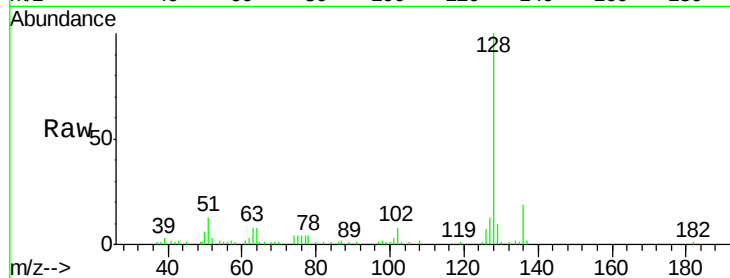




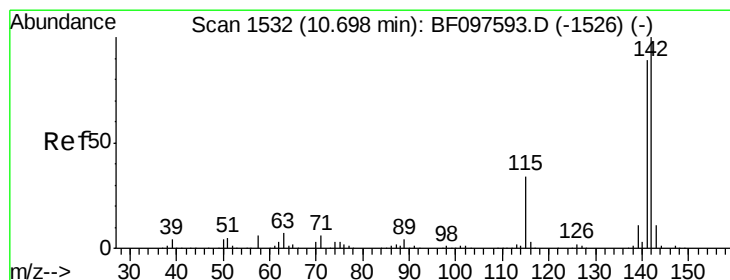
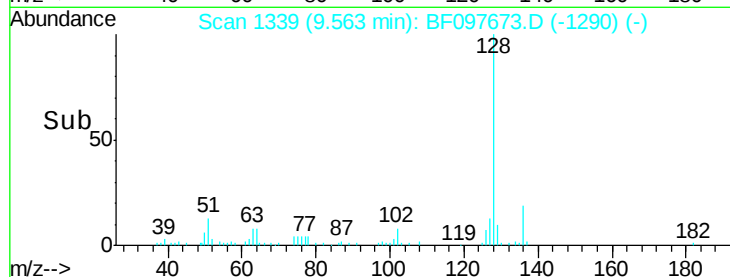
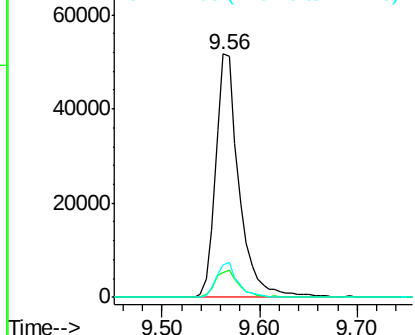
#31
Naphthalene
Concen: 3.41 ng
RT: 9.56 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

Tot Ion:128 Resp: 85778
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.6
127 13.2 10.8 16.2

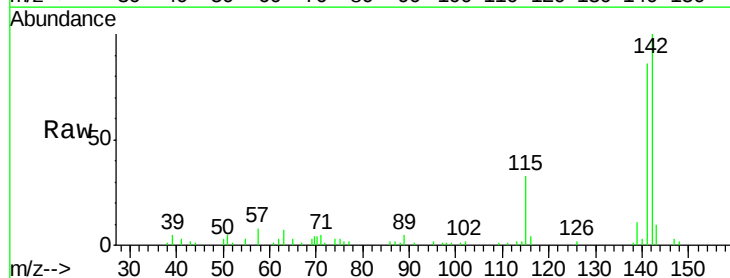


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

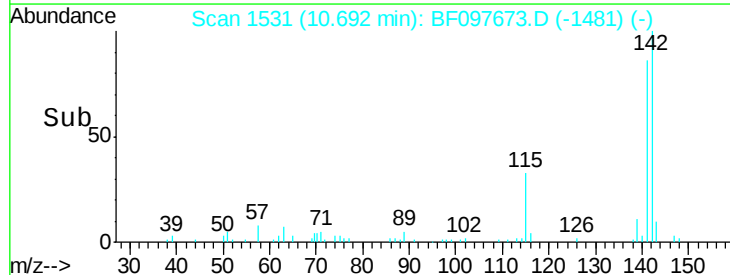
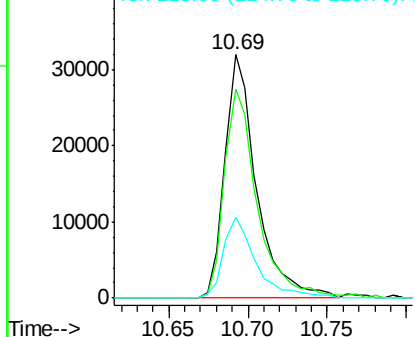


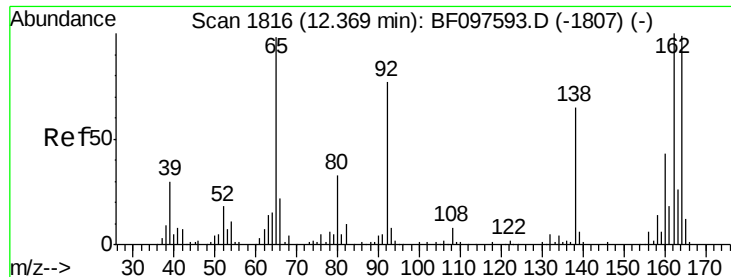
#37
2-Methylnaphthalene
Concen: 2.81 ng
RT: 10.69 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion:142 Resp: 44429
Ion Ratio Lower Upper
142 100
141 85.9 71.3 106.9
115 33.4 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.35 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

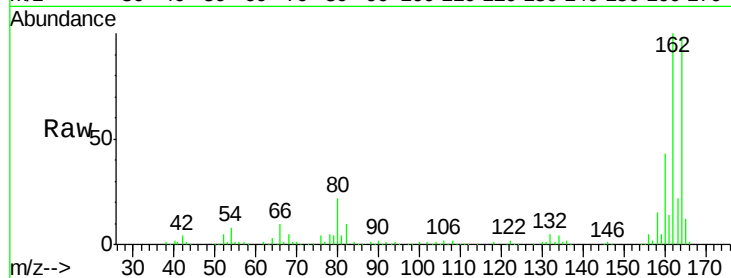
Tot Ion:164 Resp: 188880

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

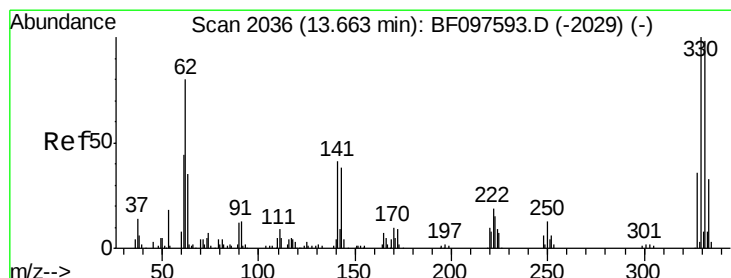
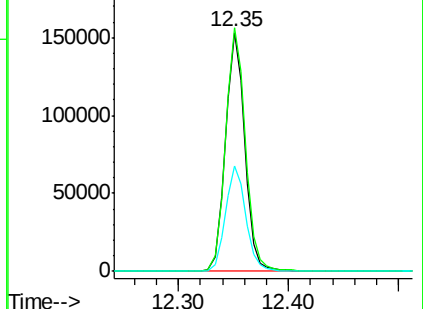
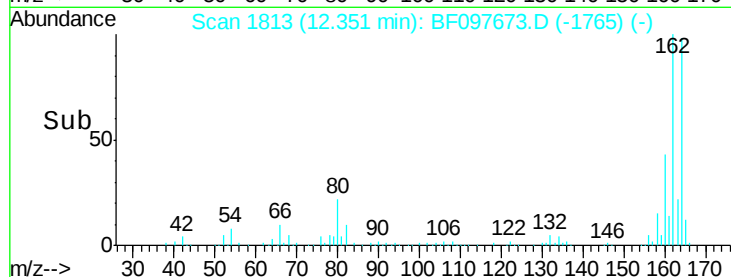
160 43.9 36.2 54.2



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: 46.98 ng

RT: 13.65 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

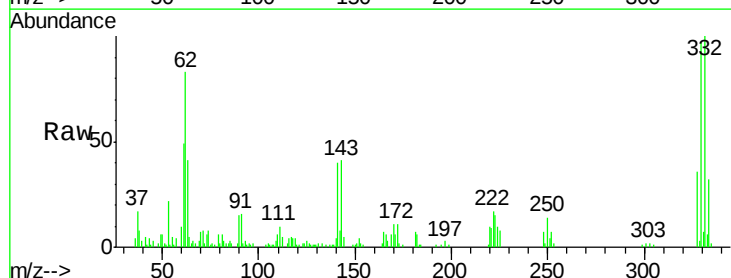
Tgt Ion:330 Resp: 67456

Ion Ratio Lower Upper

330 100

332 99.3 76.6 115.0

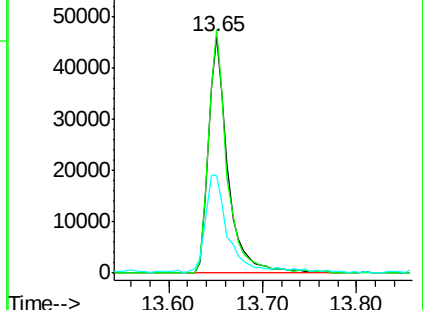
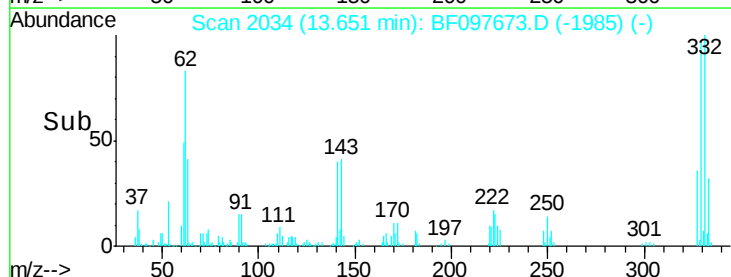
141 47.1 31.4 47.2

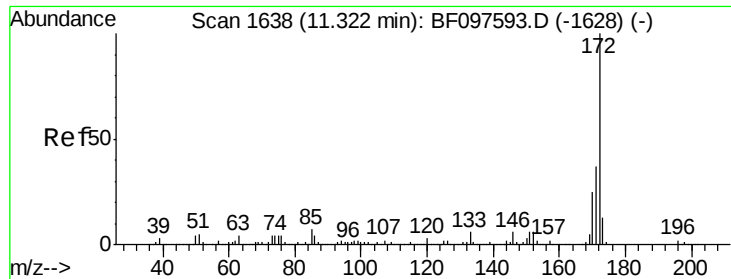


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

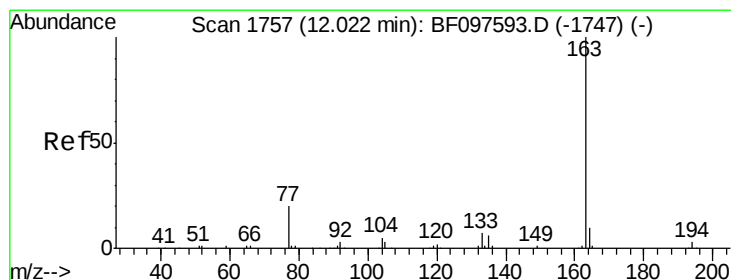
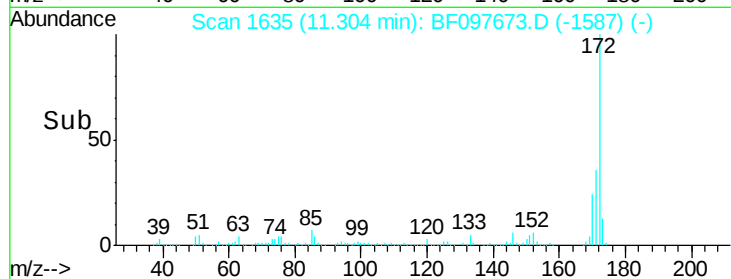
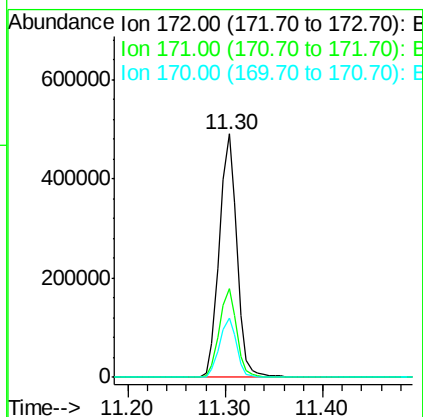
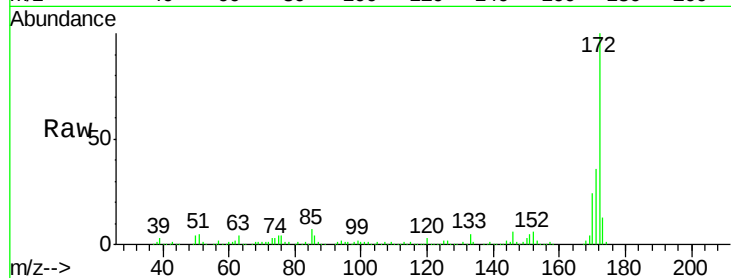




#44
2-Fluorobiphenyl
Concen: 49.20 ng
RT: 11.30 min Scan# 1635
Delta R.T. -0.02 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

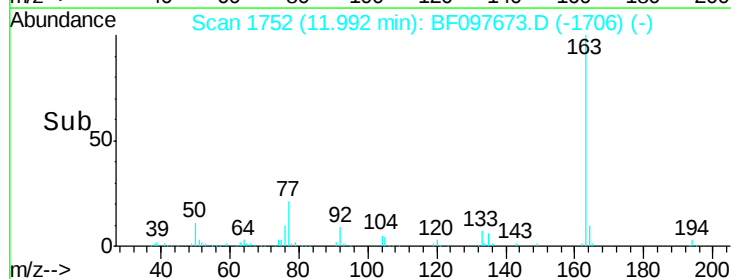
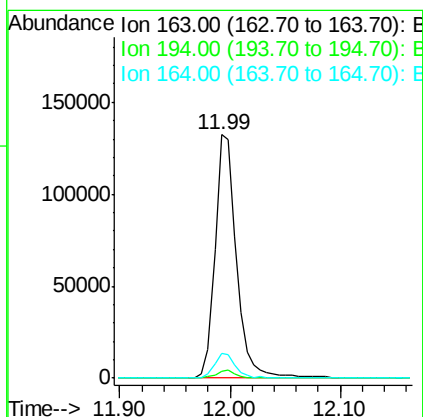
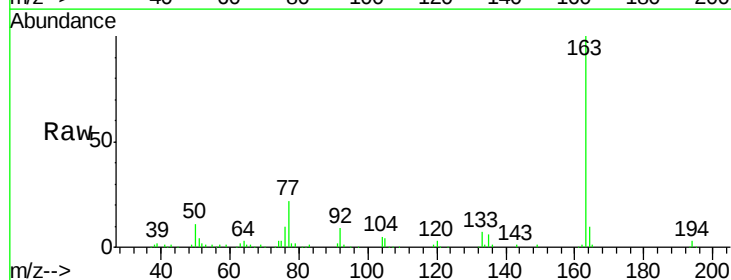
Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

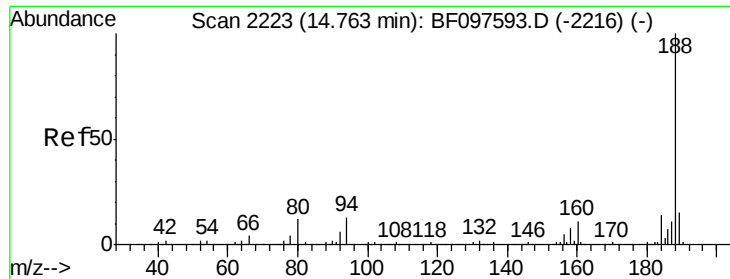
Tot Ion:172 Resp: 615761
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 12.19 ng
RT: 11.99 min Scan# 1752
Delta R.T. -0.03 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion:163 Resp: 177396
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.2 8.4 12.6

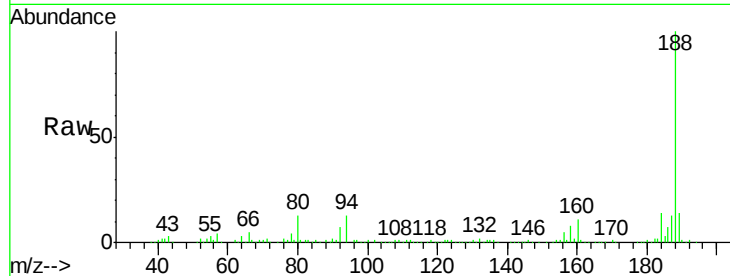




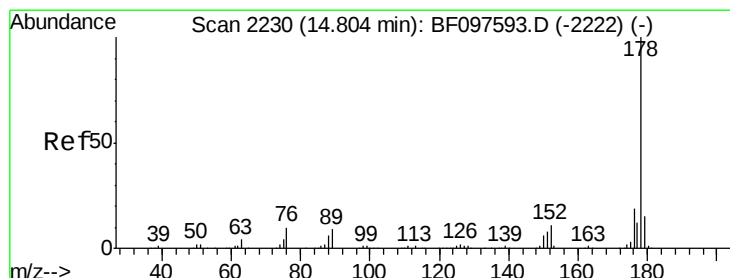
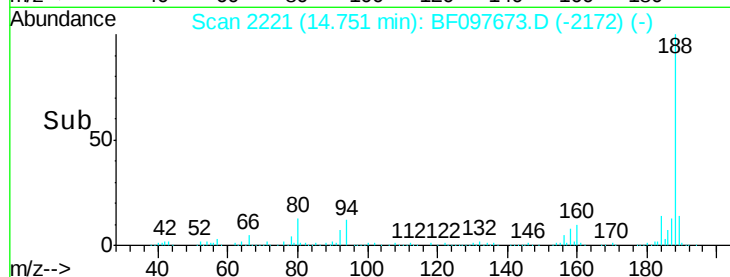
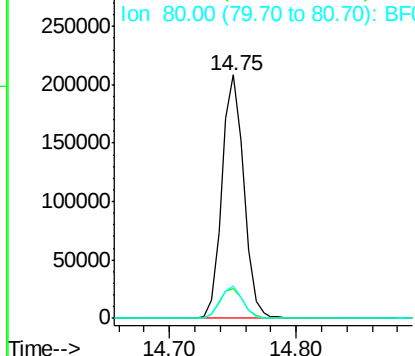
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

Tot Ion:188 Resp: 250083
Ion Ratio Lower Upper
188 100
94 12.5 9.4 14.2
80 13.1 10.2 15.2

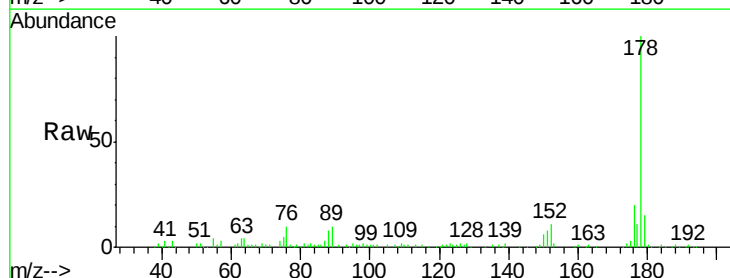


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

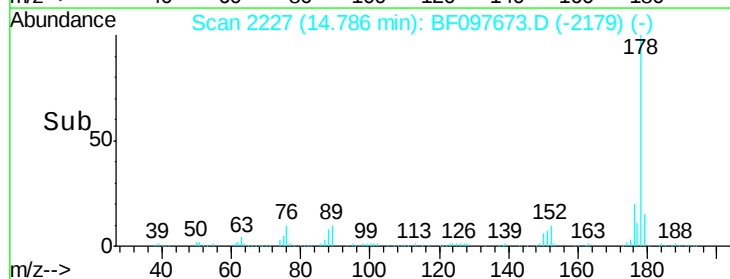
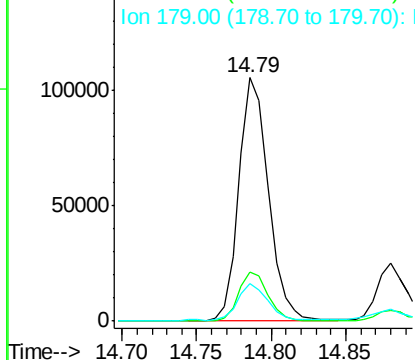


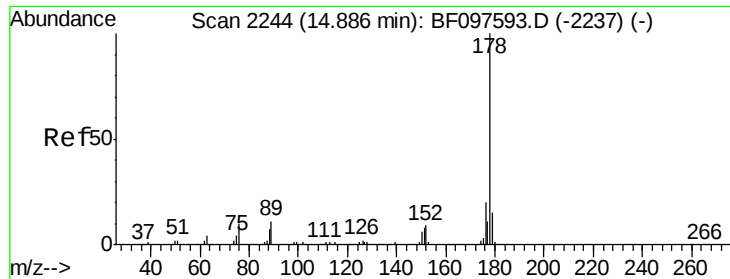
#70
Phenanthrene
Concen: 10.18 ng
RT: 14.79 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion:178 Resp: 146567
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.4 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

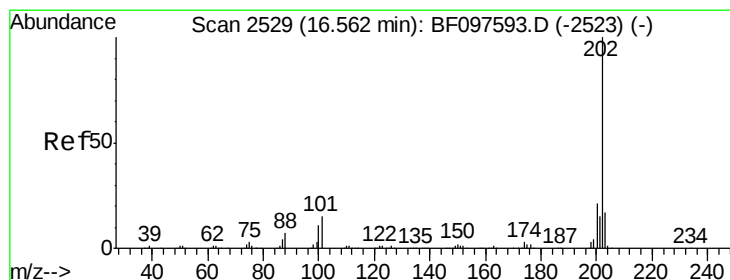
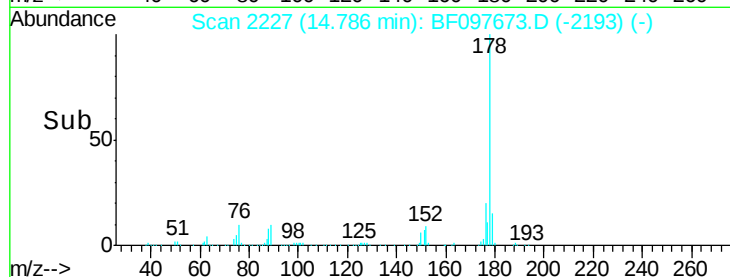
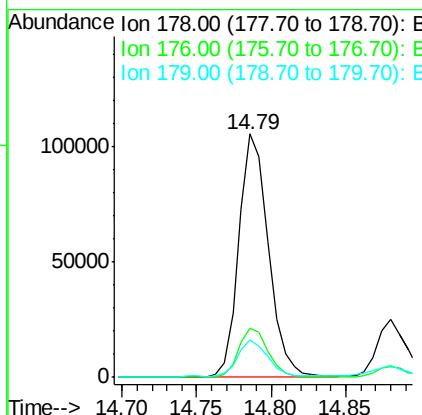
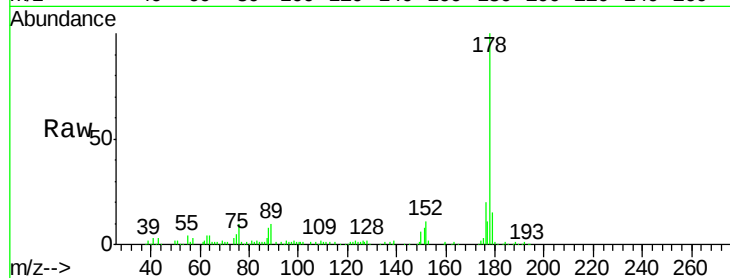




#71
 Anthracene
 Concen: 9.95 ng
 RT: 14.79 min Scan# 2227
 Delta R.T. -0.10 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

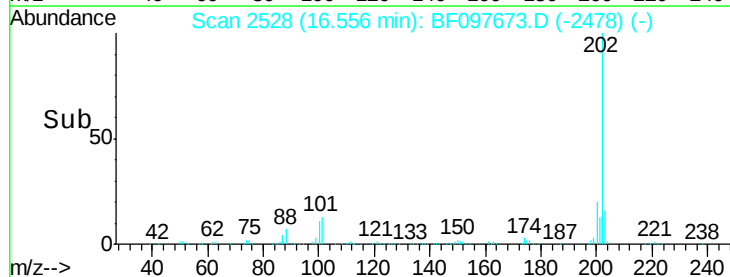
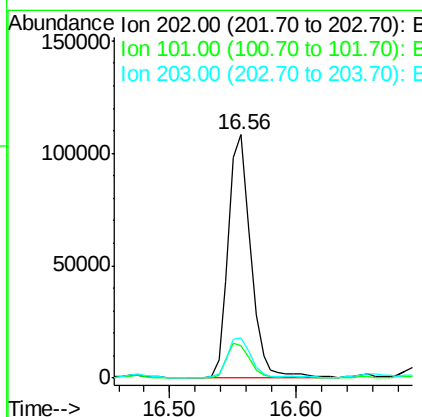
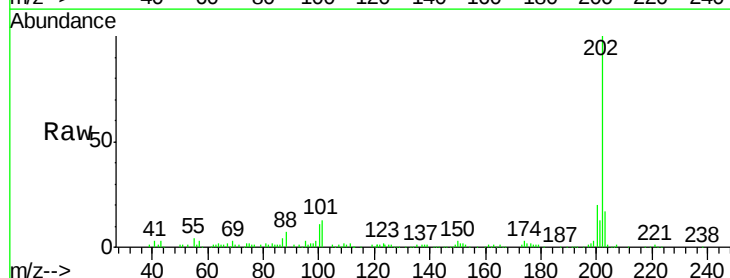
Instrument :
 BNA_F
 ClientSampleId :
 E2-G10-ESW

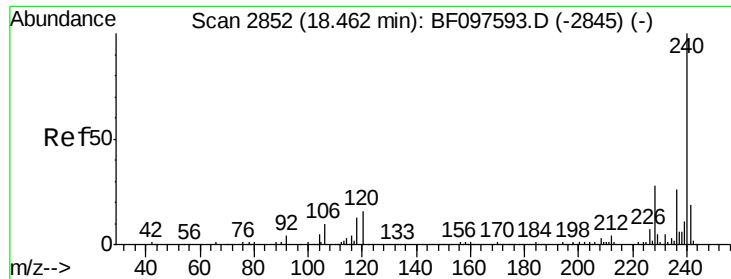
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.4	12.7	19.1



#74
 Fluoranthene
 Concen: 10.26 ng
 RT: 16.56 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.6	0.0	38.1

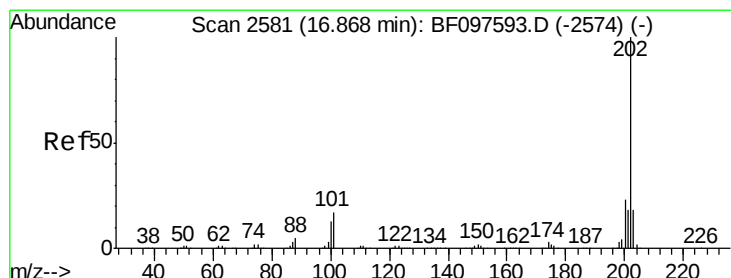
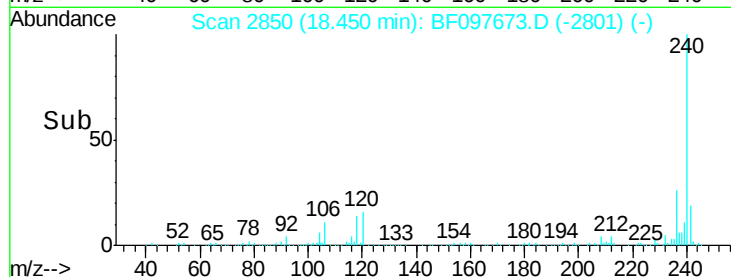
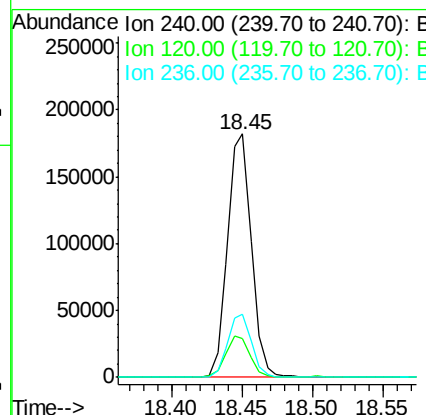
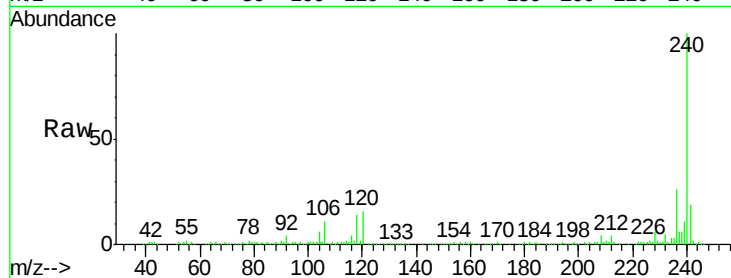




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.45 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

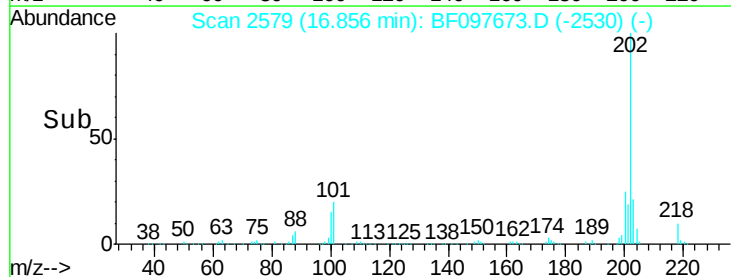
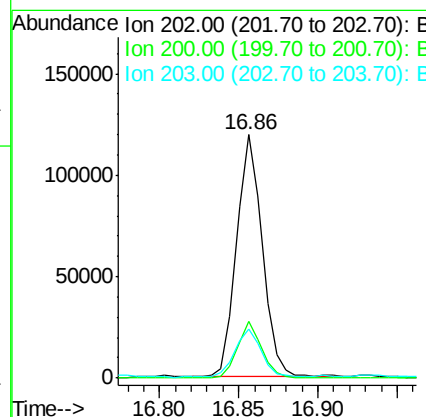
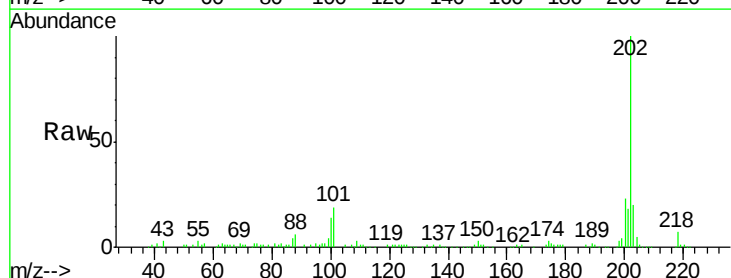
Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

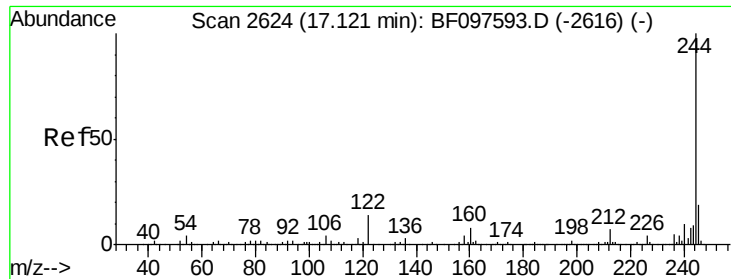
Tot Ion:240 Resp: 213827
Ion Ratio Lower Upper
240 100
120 16.1 5.8 8.8#
236 25.9 20.5 30.7



#77
Pyrene
Concen: 7.63 ng
RT: 16.86 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion:202 Resp: 134842
Ion Ratio Lower Upper
202 100
200 23.4 17.6 26.4
203 20.1 14.4 21.6

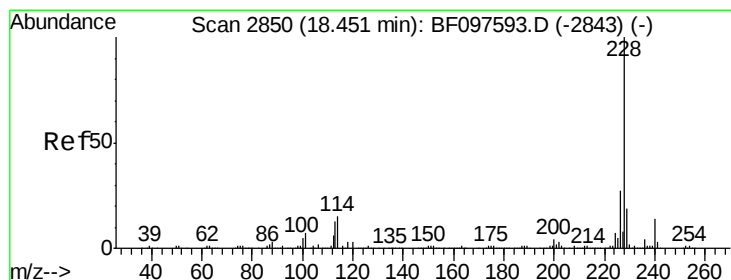
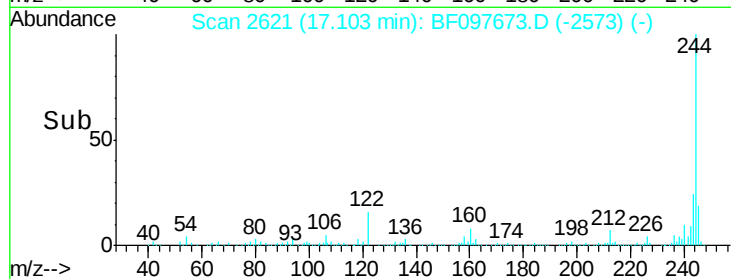
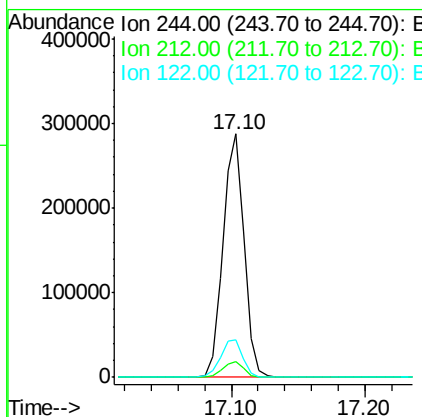
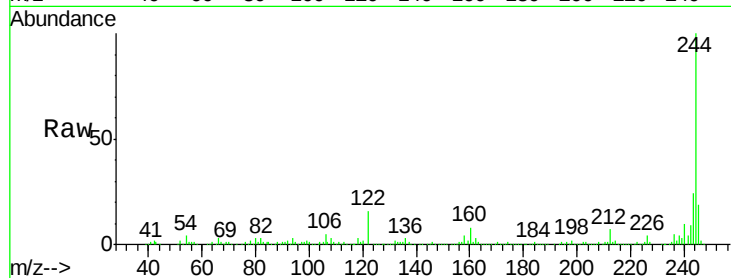




#78
 Terphenyl-d14
 Concen: 31.04 ng
 RT: 17.10 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

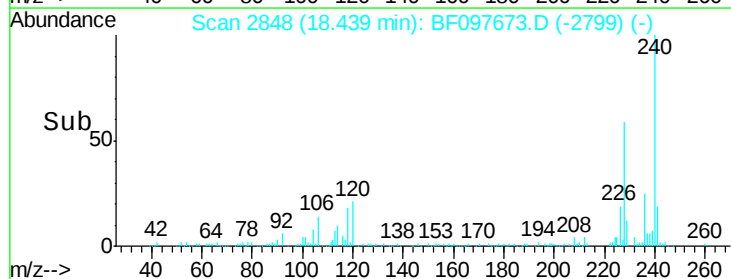
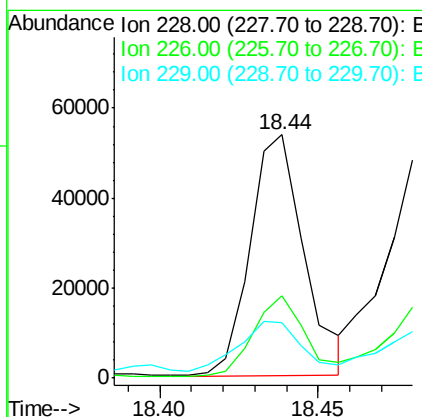
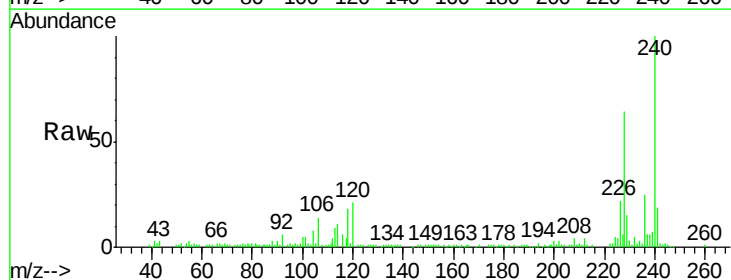
Instrument :
 BNA_F
 ClientSampleId :
 E2-G10-ESW

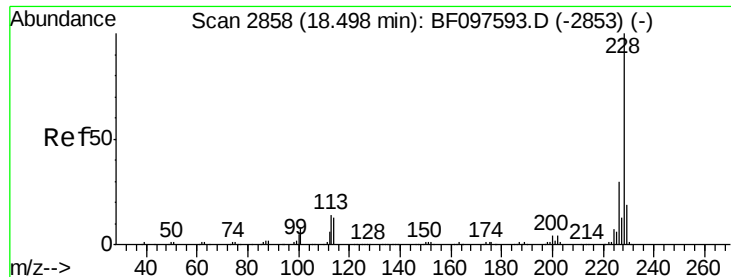
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	15.7	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 5.10 ng
 RT: 18.44 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	23.0	16.3	24.5





#82

Chrysene

Concen: 5.63 ng

RT: 18.49 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

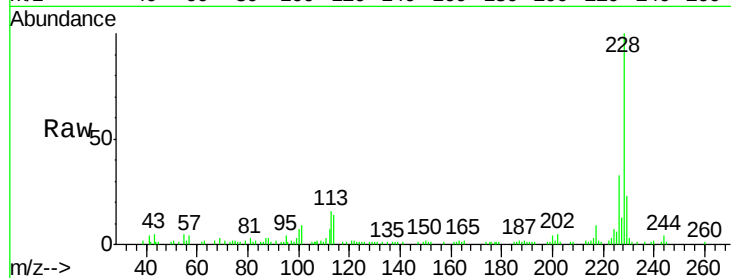
Tot Ion:228 Resp: 69884

Ion Ratio Lower Upper

228 100

226 32.9 24.9 37.3

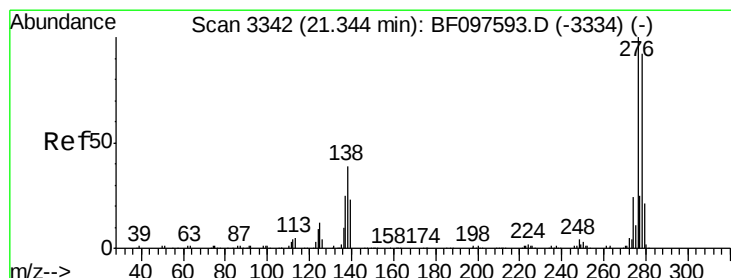
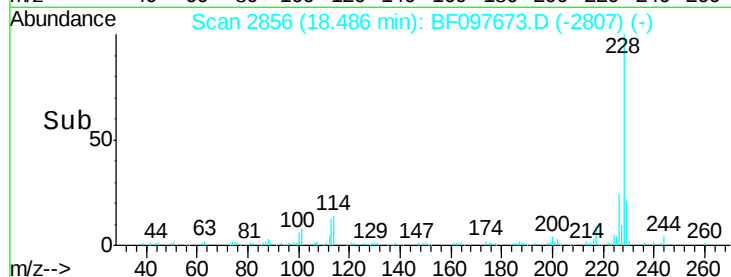
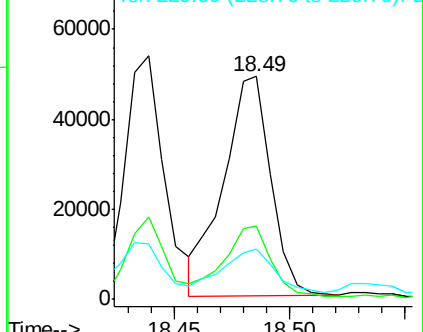
229 22.5 15.8 23.6



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: 3.58 ng

RT: 21.34 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

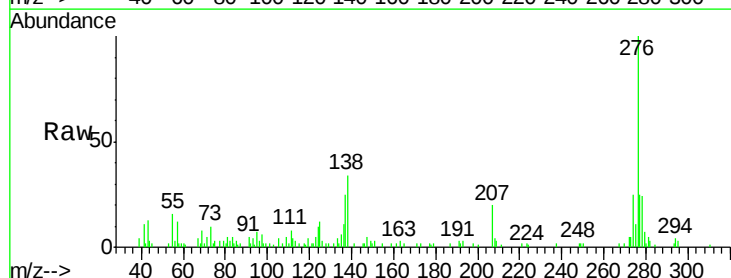
Tgt Ion:276 Resp: 34543

Ion Ratio Lower Upper

276 100

138 35.9 27.8 41.6

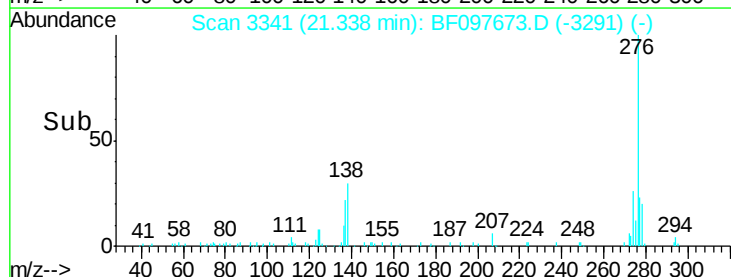
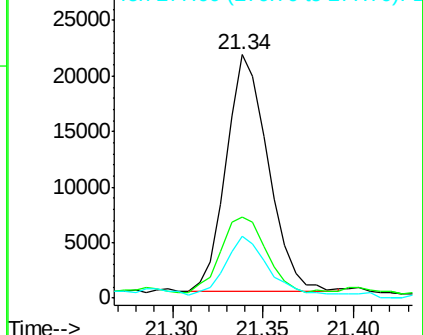
277 24.0 20.2 30.4

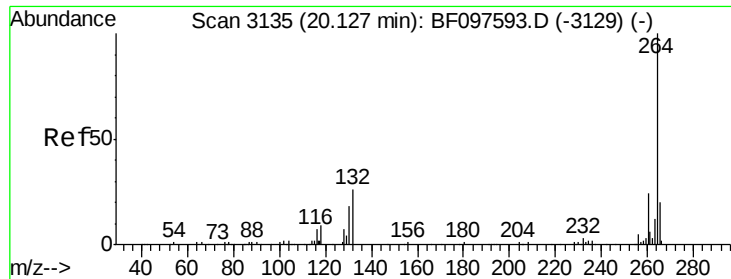


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



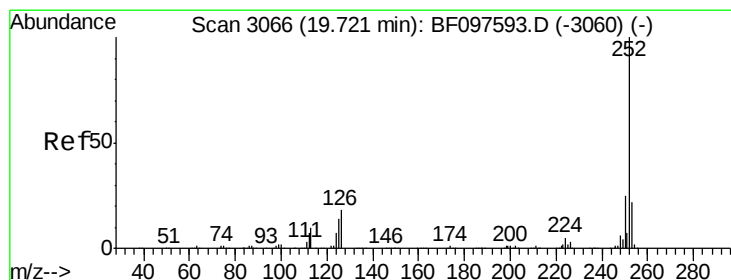
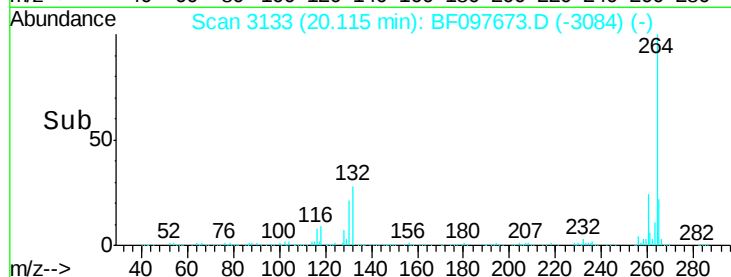
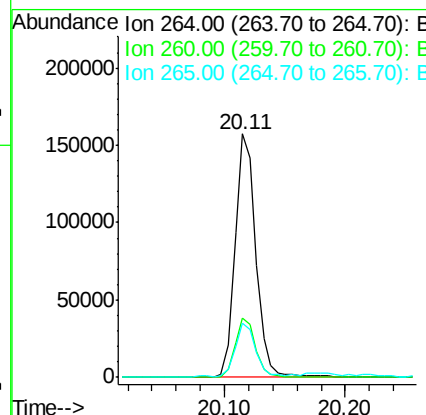
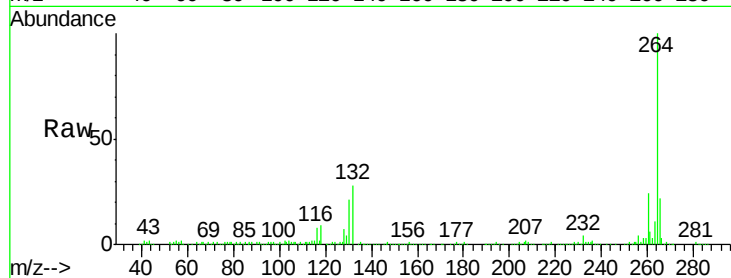


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Instrument :
BNA_F
ClientSampleId :
E2-G10-ESW

Tot Ion:264 Resp: 188603

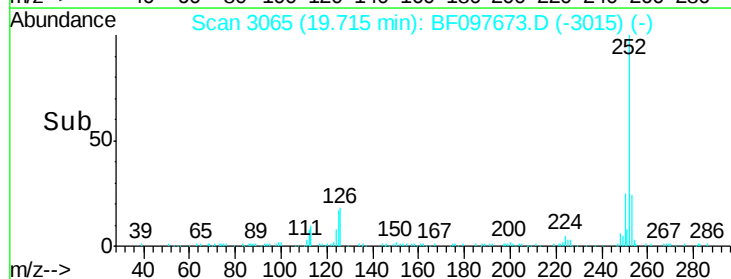
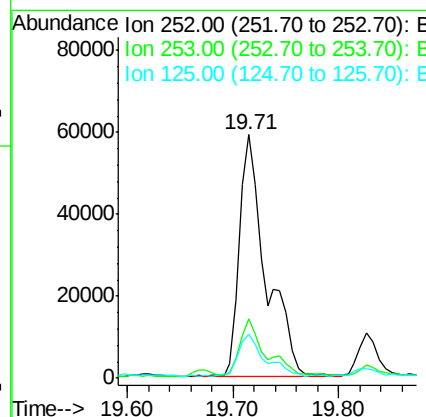
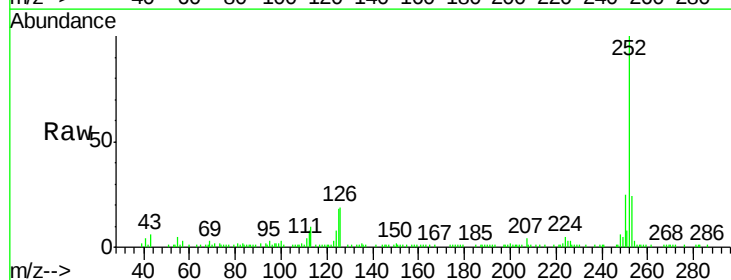
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8

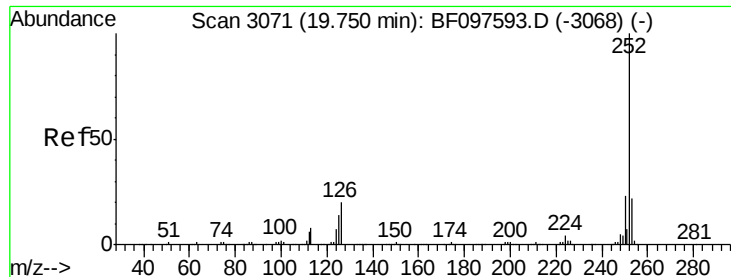


#87
Benzo(b)fluoranthene
Concen: 9.12 ng
RT: 19.71 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BF097673.D
Acq: 13 Aug 2017 14:25

Tgt Ion:252 Resp: 103340

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	17.9	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 9.06 ng

RT: 19.71 min Scan# 3065

Delta R.T. -0.04 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

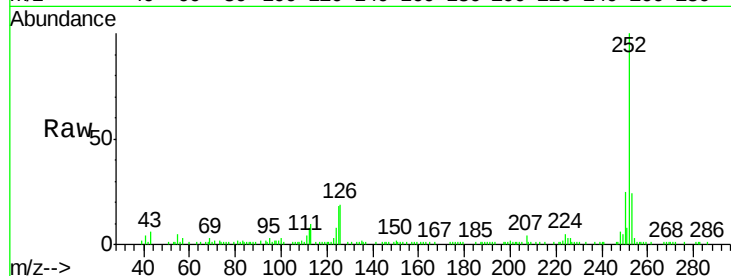
Instrument :

BNA_F

ClientSampleId :

E2-G10-ESW

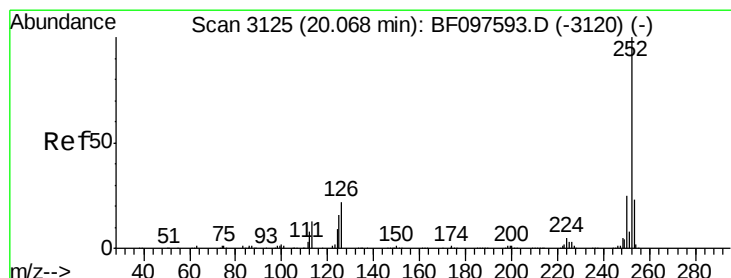
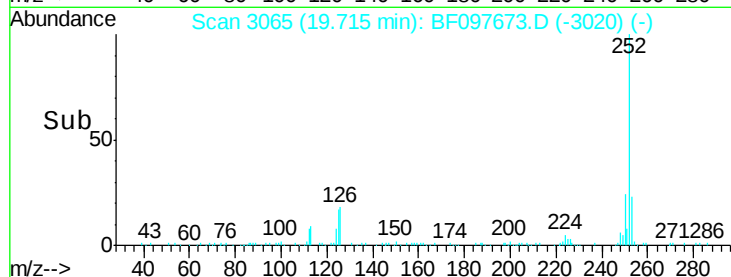
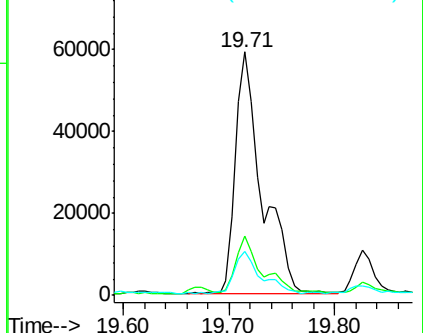
Tot Ion:252	Resp:	103340
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	17.9	13.1 19.7



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: 6.15 ng

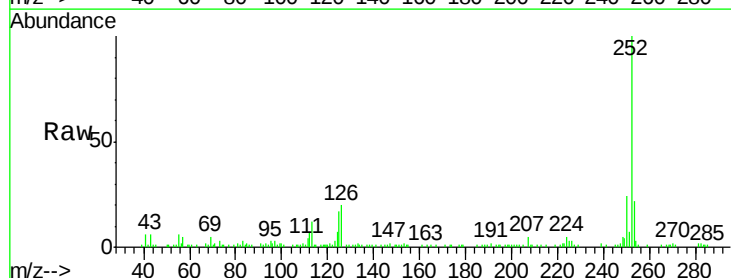
RT: 20.07 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BF097673.D

Acq: 13 Aug 2017 14:25

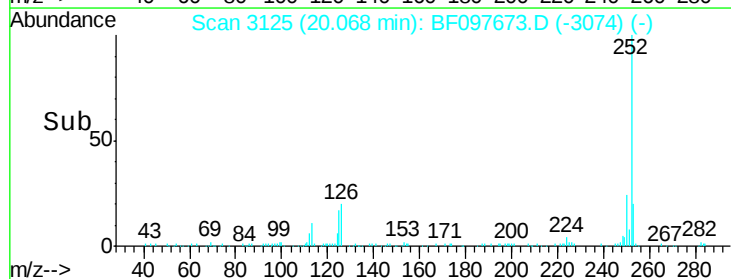
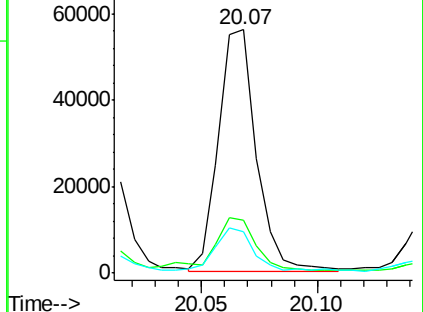
Tgt Ion:252	Resp:	63919
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.5 26.3
125	17.1	11.0 16.4#

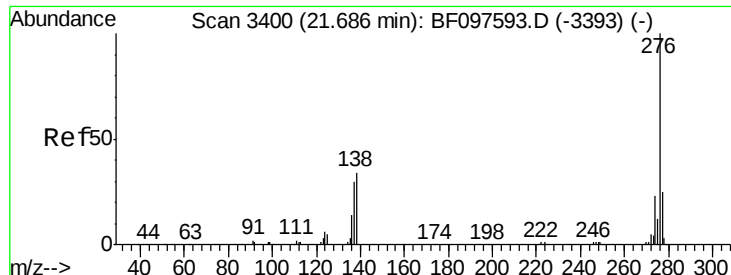


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 5.64 ng
 RT: 21.69 min Scan# 3401
 Delta R.T. 0.01 min
 Lab File: BF097673.D
 Acq: 13 Aug 2017 14:25

Instrument :
 BNA_F
 ClientSampleId :
 E2-G10-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	37.4	25.4	38.0

