

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050317\
 Data File : BF094866.D
 Acq On : 4 May 2017 9:23
 Operator : SJ/MA
 Sample : I2921-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-V10-BASE

Quant Time: May 04 10:51:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	105802	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	407041	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	170416	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	256074	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	219432	20.00	ng	-0.02
86) Perylene-d12	20.30	264	164761	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	920016	144.97	ng	0.00
7) Phenol-d6	7.28	99	1171575	153.87	ng	0.00
23) Nitrobenzene-d5	8.62	82	681234	105.54	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	174894	125.31	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	1161307	98.08	ng	0.00
78) Terphenyl-d14	17.30	244	673492	67.60	ng	-0.01

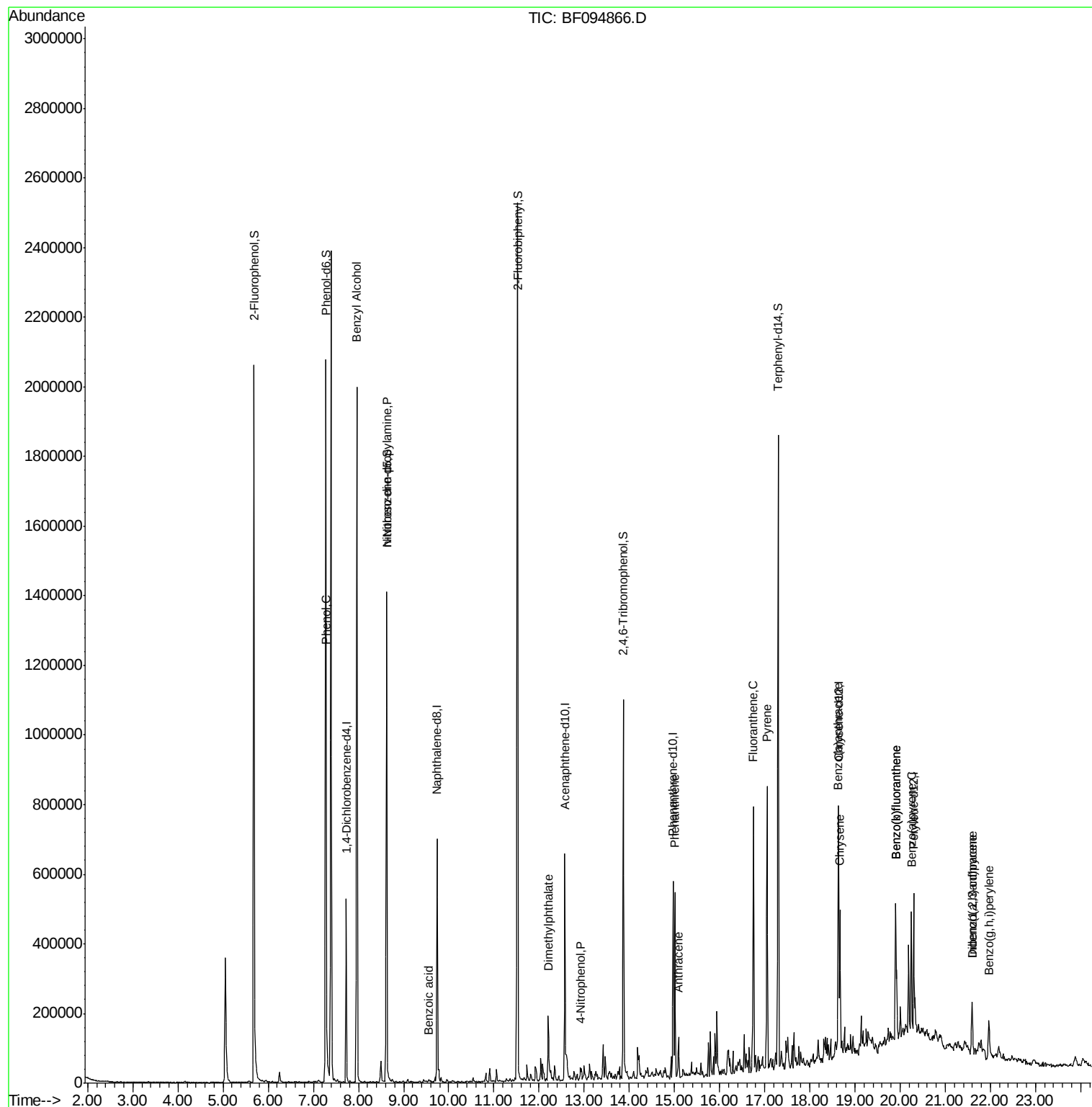
Target Compounds				Qvalue		
10) Phenol	7.29	94	19049	2.37	ng	93
15) Benzyl Alcohol	7.97	79	10503	2.14	ng	# 47
19) n-Nitroso-di-n-propylamine	8.62	70	88537	17.19	ng	# 75
32) Benzoic acid	9.57	122	1069	5.33	ng	# 55
49) Dimethylphthalate	12.21	163	106787	7.63	ng	99
55) 4-Nitrophenol	12.92	139	6060	3.29	ng	# 31
70) Phenanthrene	15.01	178	259435	17.63	ng	98
71) Anthracene	15.09	178	62867	4.18	ng	97
74) Fluoranthene	16.75	202	373297	24.73	ng	99
77) Pyrene	17.05	202	361580	22.03	ng	97
80) Benzo(a)anthracene	18.62	228	175520	13.74	ng	96
82) Chrysene	18.67	228	170142	13.78	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	78524	7.83	ng	94
87) Benzo(b)fluoranthene	19.90	252	278273	27.33	ng	97
88) Benzo(k)fluoranthene	19.90	252	278273	28.34	ng	98
89) Benzo(a)pyrene	20.25	252	148656	15.82	ng	97
90) Dibenzo(a,h)anthracene	21.59	278	21400	2.76	ng	# 82
91) Benzo(g,h,i)perylene	21.96	276	75425	9.91	ng	99

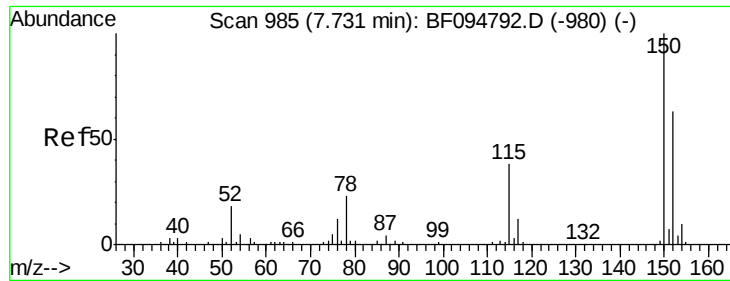
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

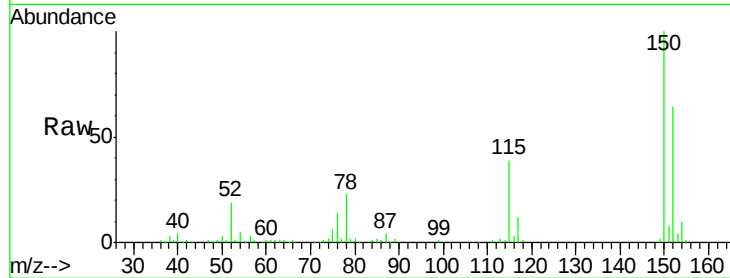
Tgt Ion:152 Resp: 105802

Ion Ratio Lower Upper

152 100

150 157.1 126.2 189.2

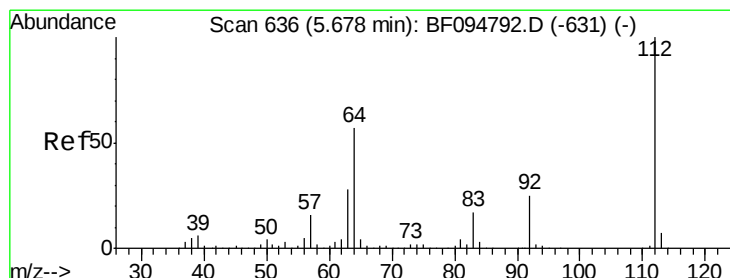
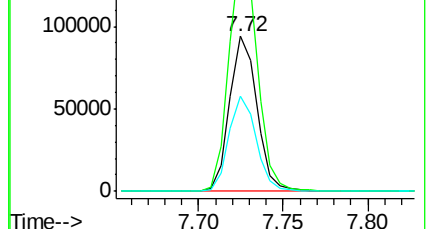
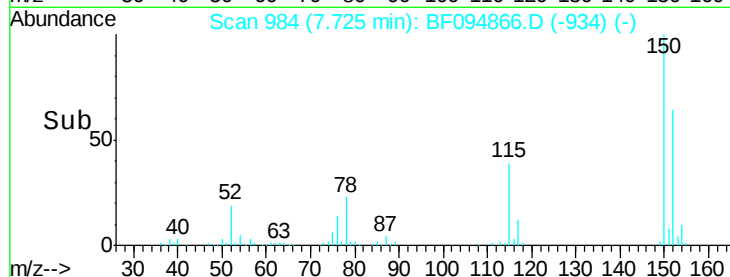
115 61.7 52.2 78.2



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: 144.97 ng

RT: 5.68 min Scan# 637

Delta R.T. 0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

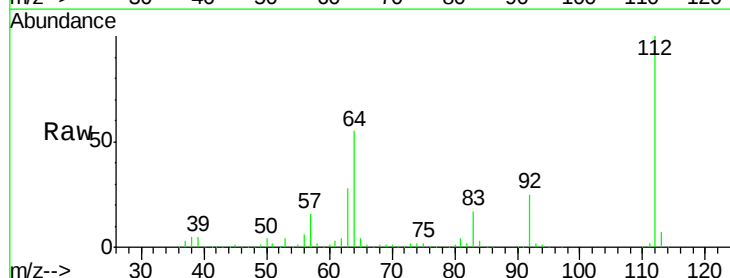
Tgt Ion:112 Resp: 920016

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

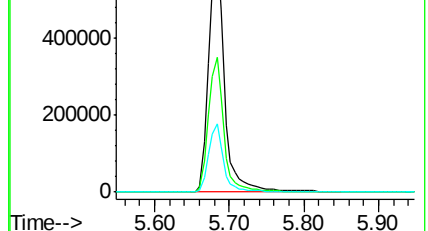
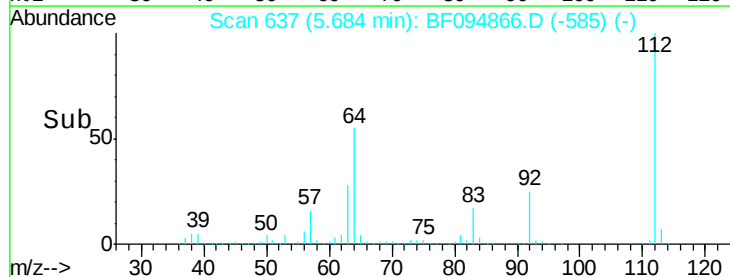
63 27.8 23.4 35.0

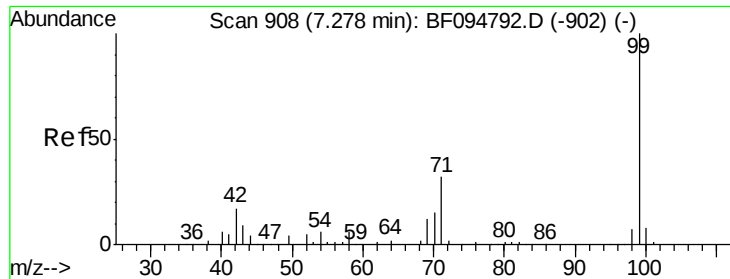


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 153.87 ng

RT: 7.28 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

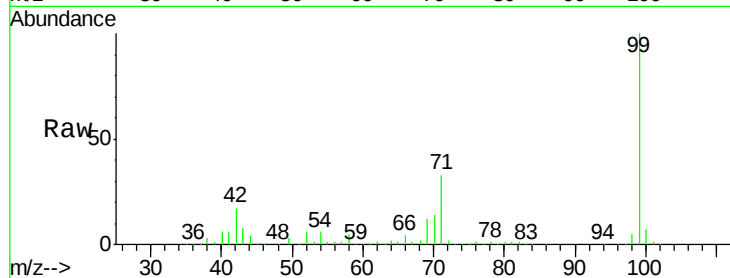
Tgt Ion: 99 Resp: 1171575

Ion Ratio Lower Upper

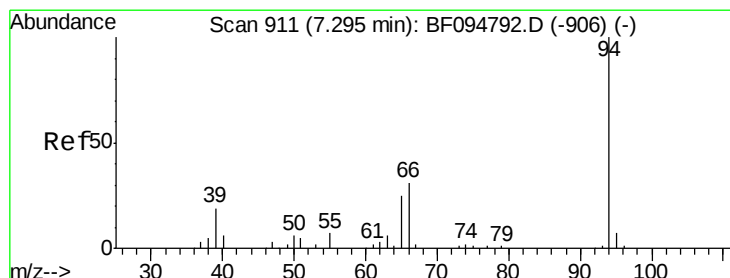
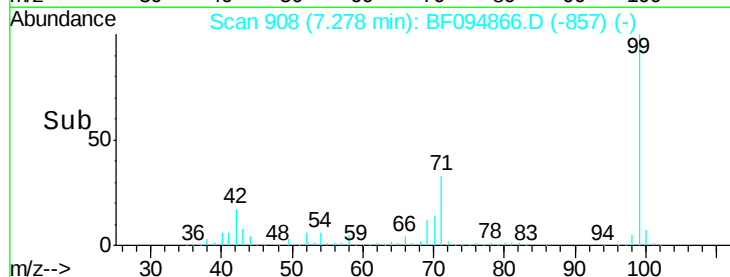
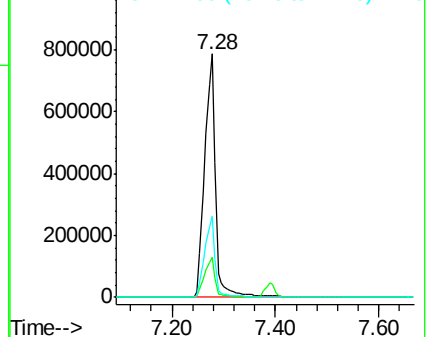
99 100

42 16.7 13.5 20.3

71 33.1 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



#10

Phenol

Concen: 2.37 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

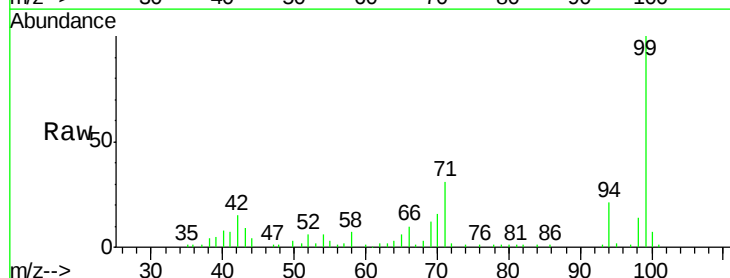
Tgt Ion: 94 Resp: 19049

Ion Ratio Lower Upper

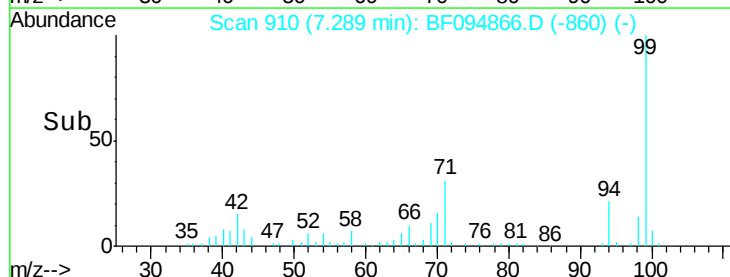
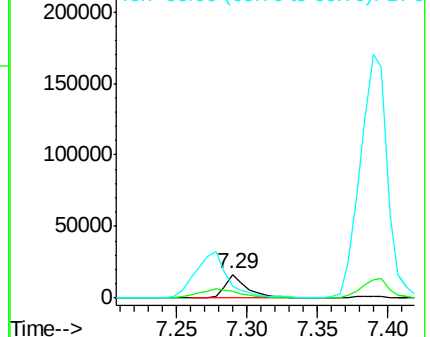
94 100

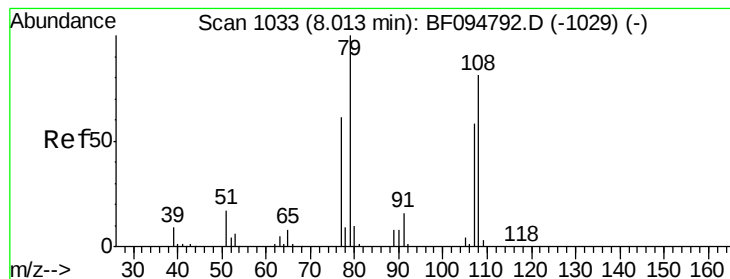
65 28.5 9.9 49.9

66 49.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.97 min Scan# 1025

Delta R.T. -0.05 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

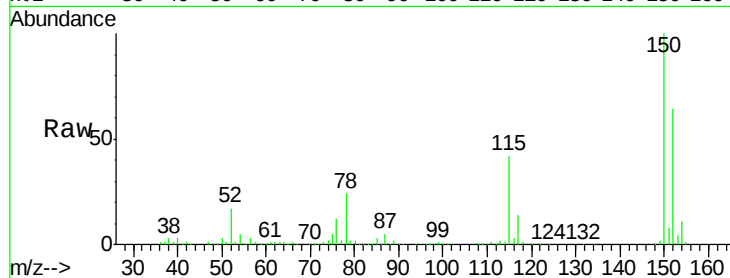
Tgt Ion: 79 Resp: 10503

Ion Ratio Lower Upper

79 100

108 26.5 63.4 95.0#

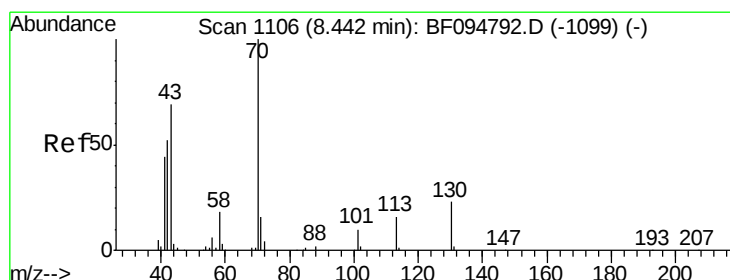
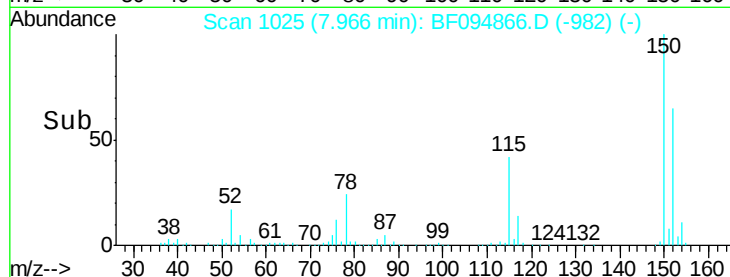
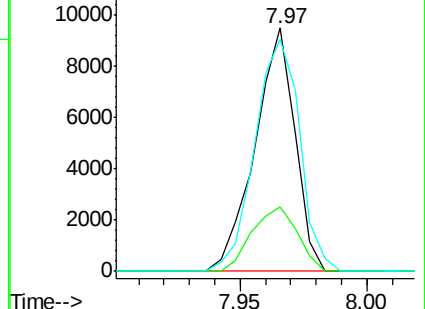
77 95.3 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.19 ng

RT: 8.62 min Scan# 1137

Delta R.T. 0.18 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Tgt Ion: 70 Resp: 88537

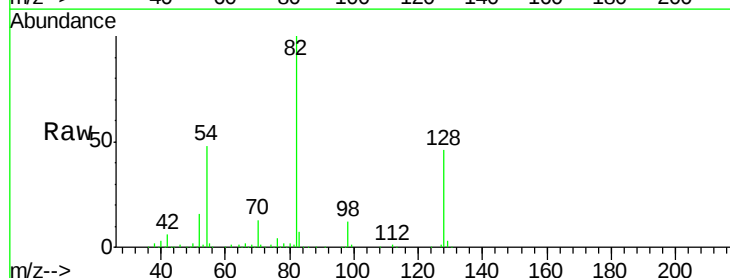
Ion Ratio Lower Upper

70 100

42 43.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

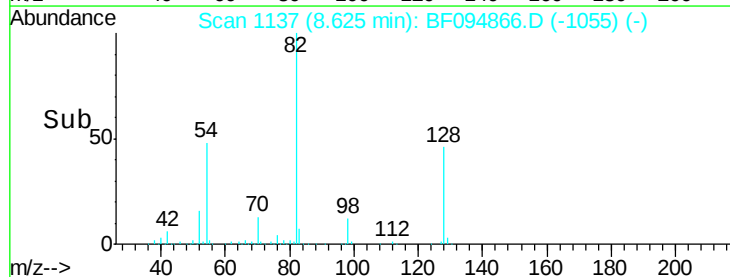
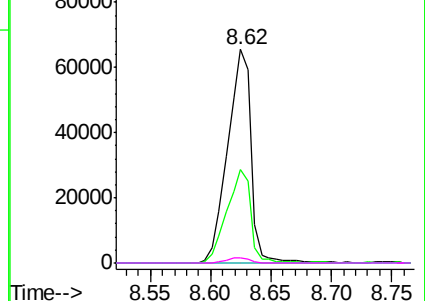


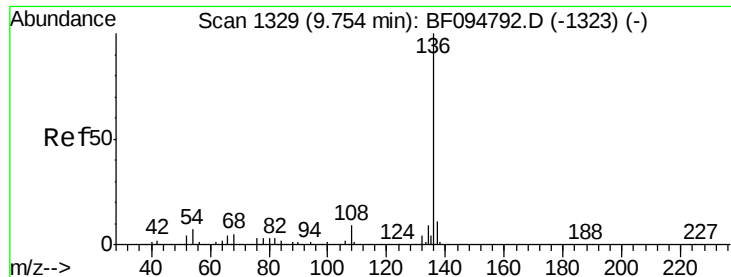
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

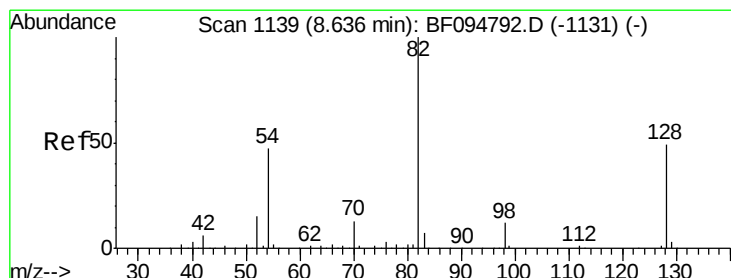
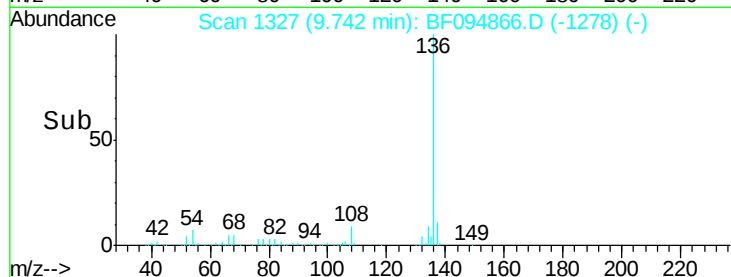
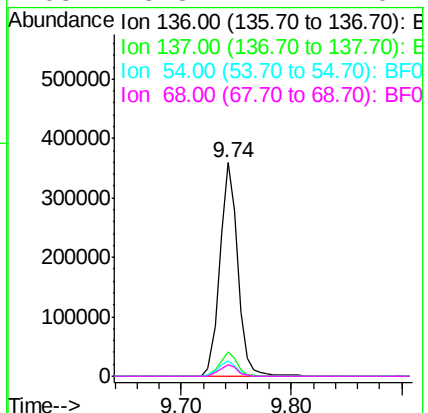
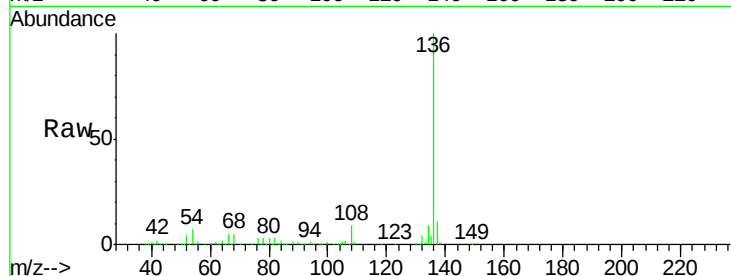




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

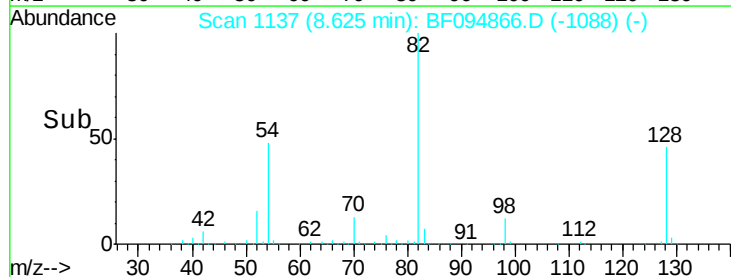
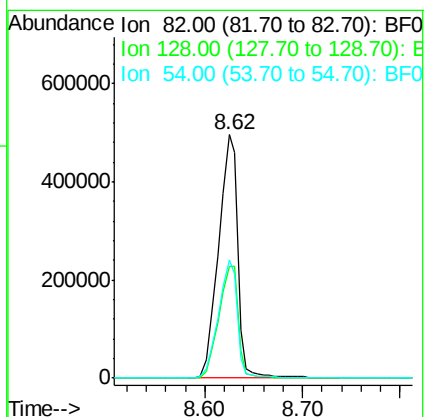
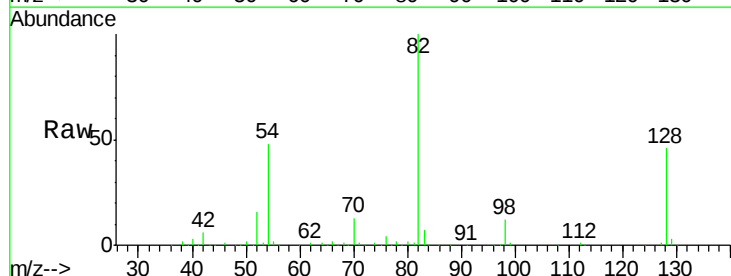
Instrument :
BNA_F
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E2-V10-BASE

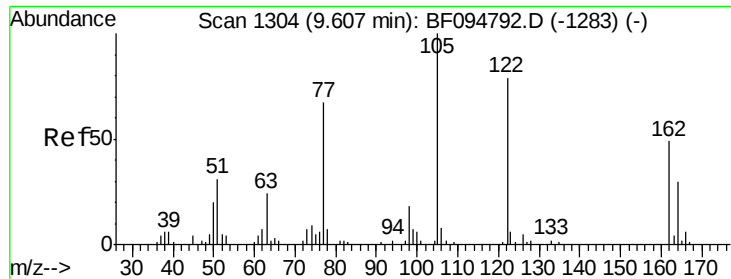
Tgt Ion:	136	Resp:	407041
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	7.0	4.9	7.3
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 105.54 ng
RT: 8.62 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:	82	Resp:	681234
Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	48.4	42.2	63.2

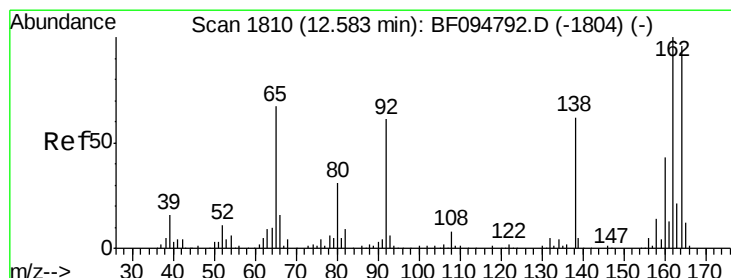
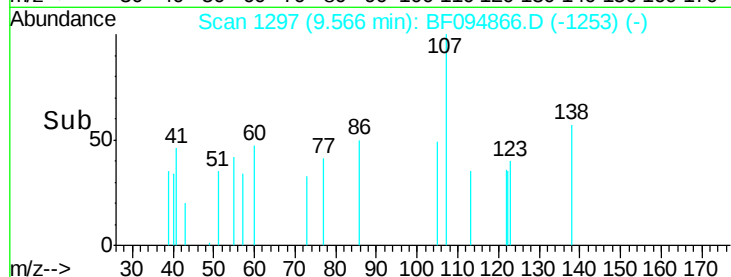
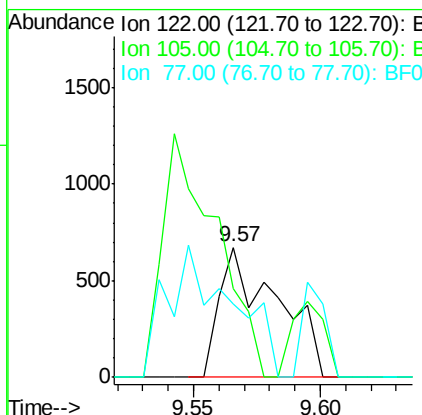
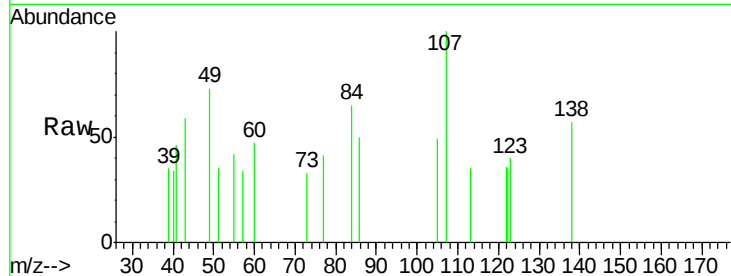




#32
Benzoic acid
Concen: 5.33 ng
RT: 9.57 min Scan# 1297
Delta R.T. -0.04 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

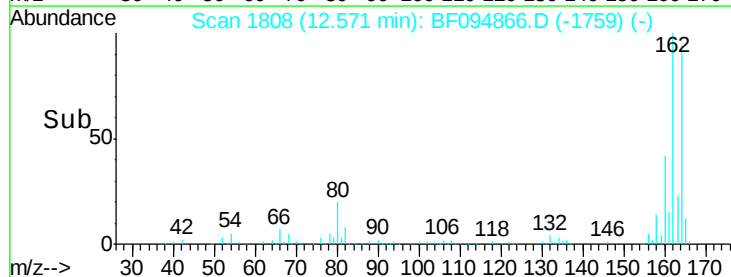
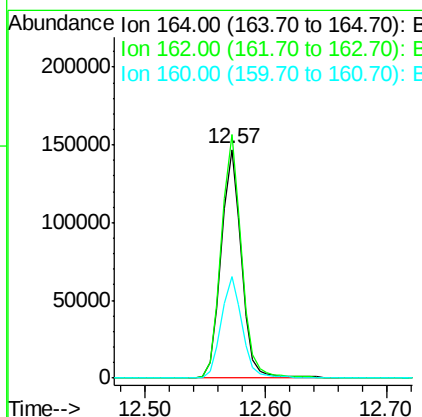
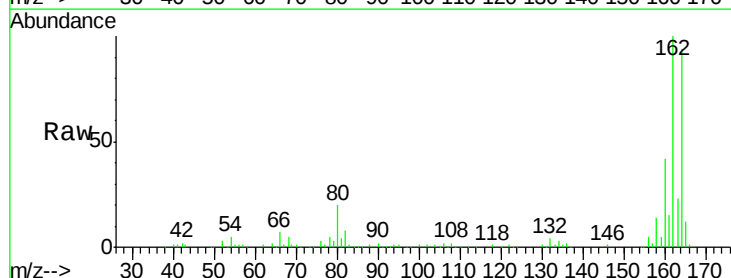
Instrument :
BNA_F
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E2-V10-BASE

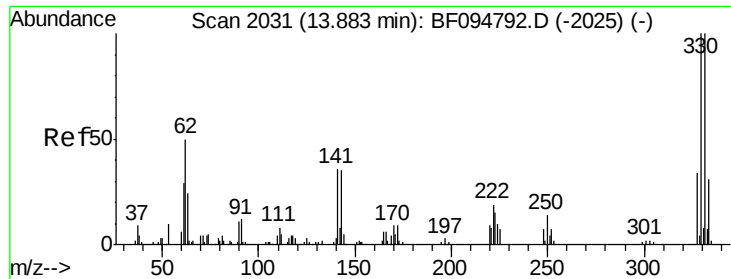
Tgt Ion:122 Resp: 1069
Ion Ratio Lower Upper
122 100
105 67.8 103.3 143.3#
77 56.5 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:164 Resp: 170416
Ion Ratio Lower Upper
164 100
162 106.7 82.6 123.8
160 44.5 36.2 54.2

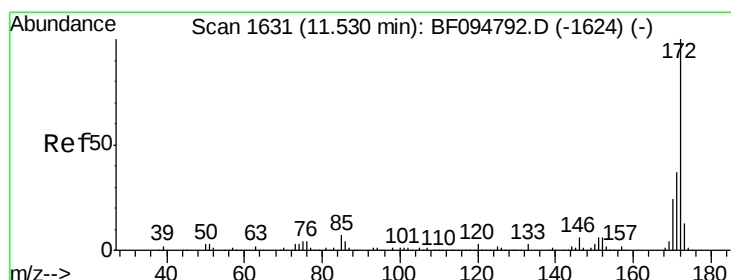
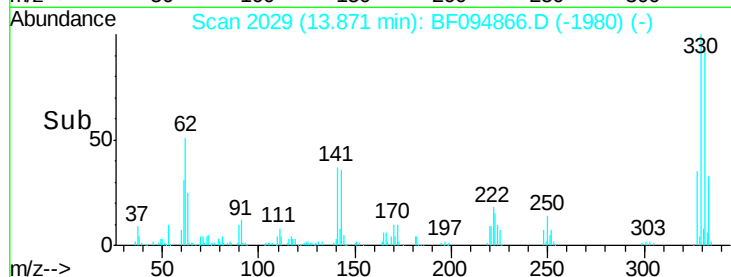
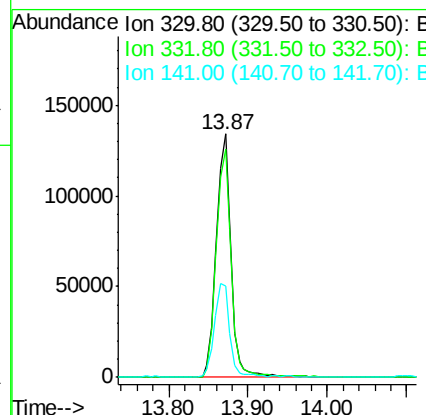
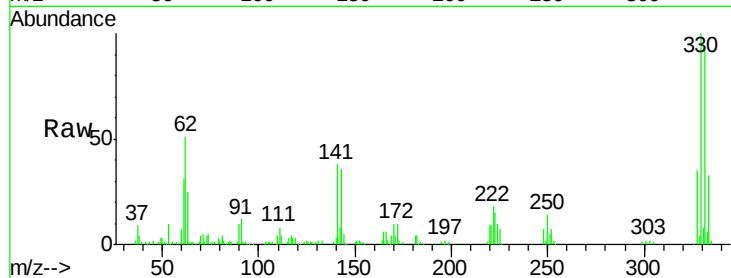




#41
 2,4,6-Tribromophenol
 Concen: 125.31 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094866.D
 Acq: 4 May 2017 9:23

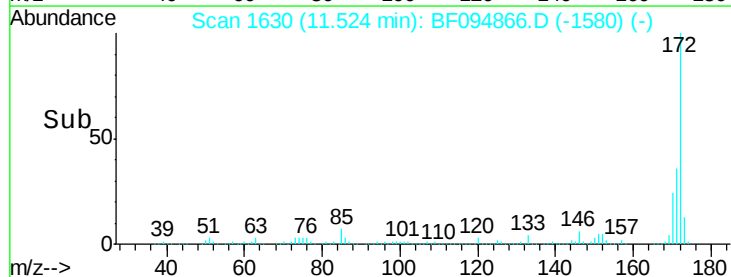
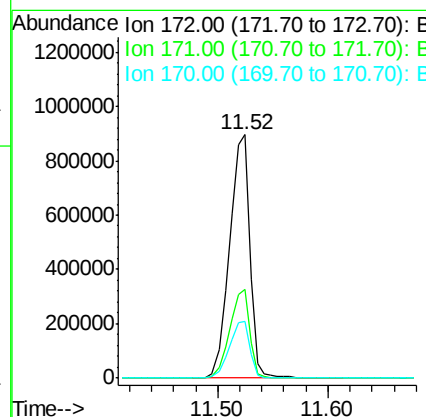
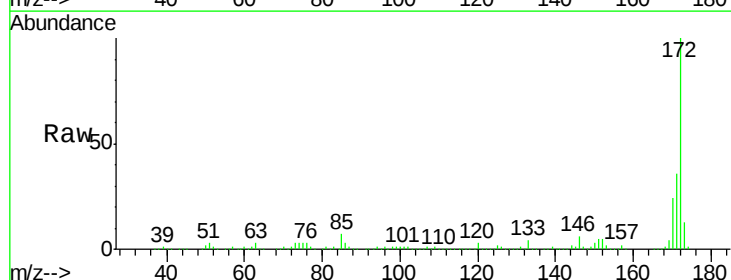
Instrument :
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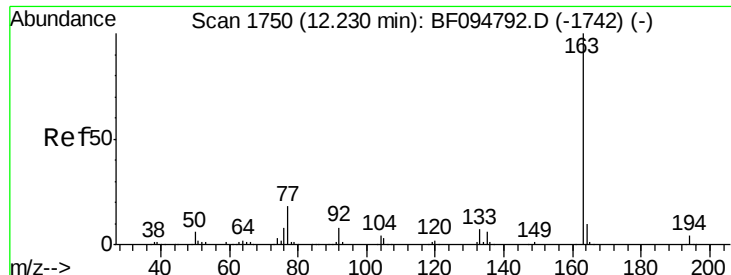
Tgt Ion:330 Resp: 174894
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 39.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 98.08 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF094866.D
 Acq: 4 May 2017 9:23

Tgt Ion:172 Resp: 1161307
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.5 19.8 29.8

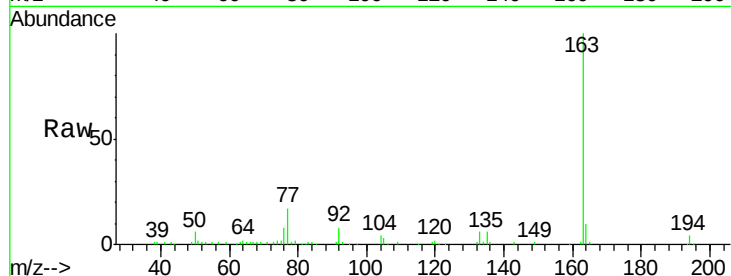




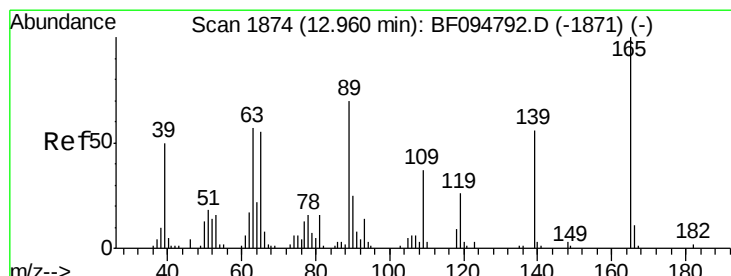
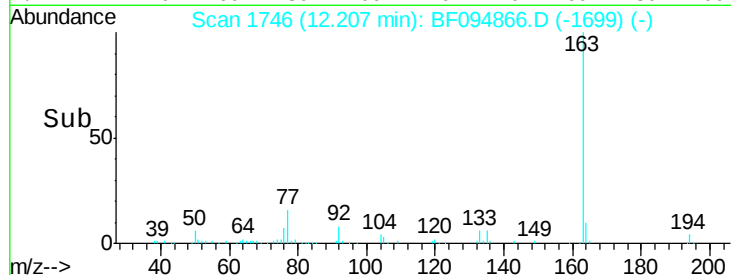
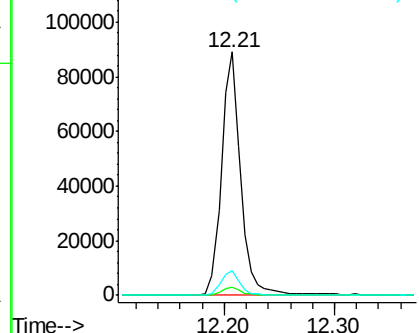
#49
Dimethylphthalate
Concen: 7.63 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Tgt Ion:163 Resp: 106787
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 8.4 12.6

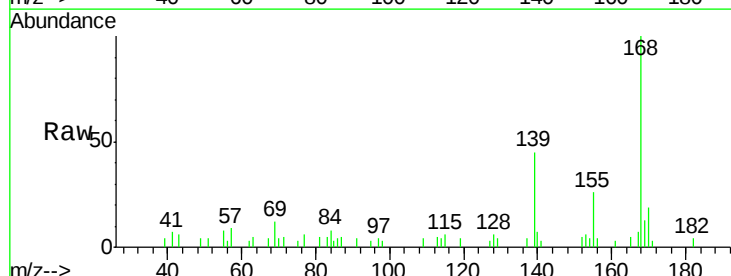


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

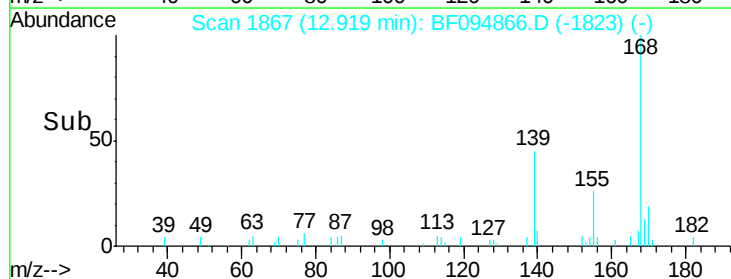
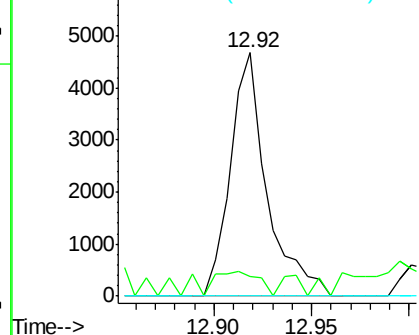


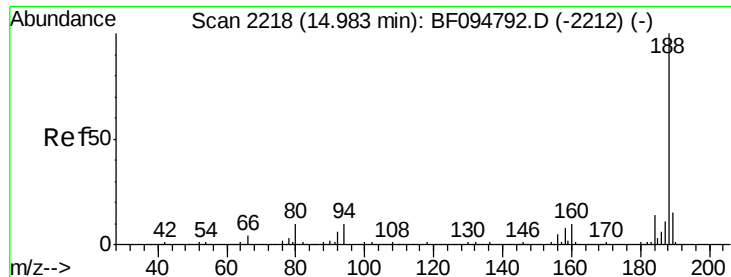
#55
4-Nitrophenol
Concen: 3.29 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.04 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:139 Resp: 6060
Ion Ratio Lower Upper
139 100
109 8.0 34.1 74.1#
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

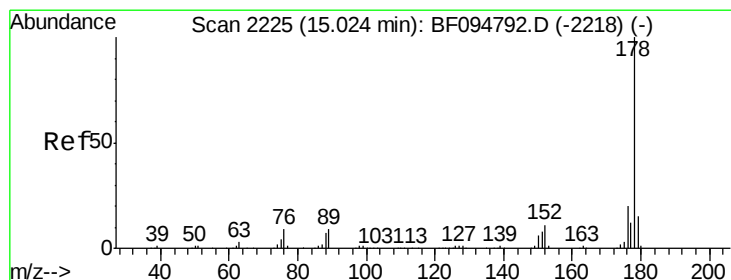
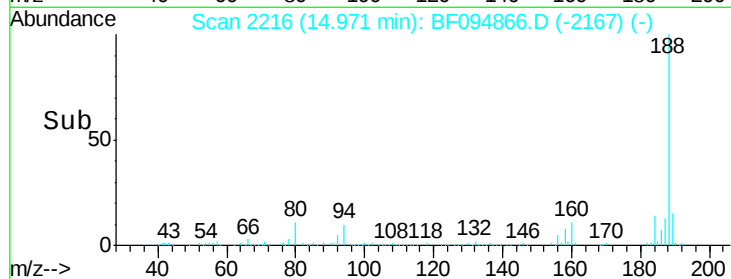
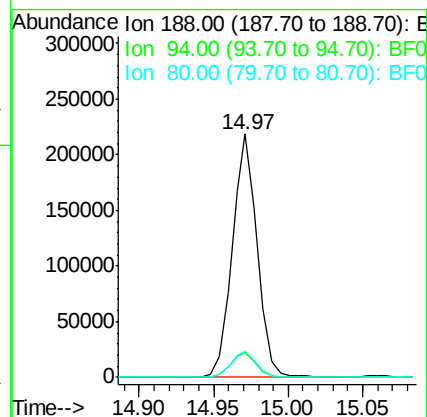
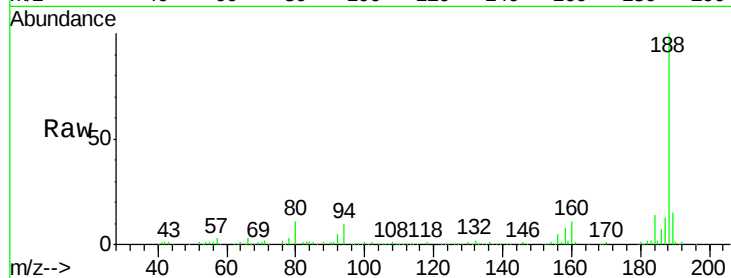




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BF094866.D
 Acq: 4 May 2017 9:23

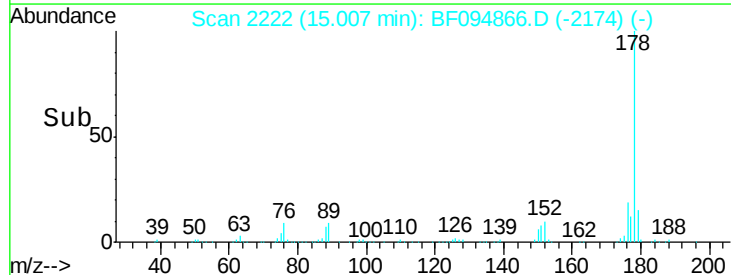
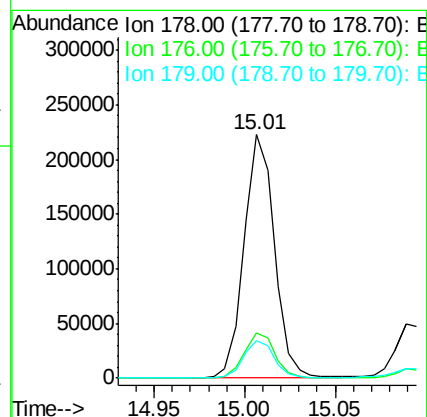
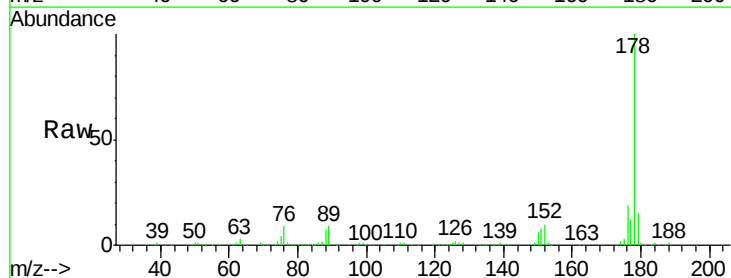
Instrument :
 BNA_F
 ClientSampleId :
 E2-V10-BASE

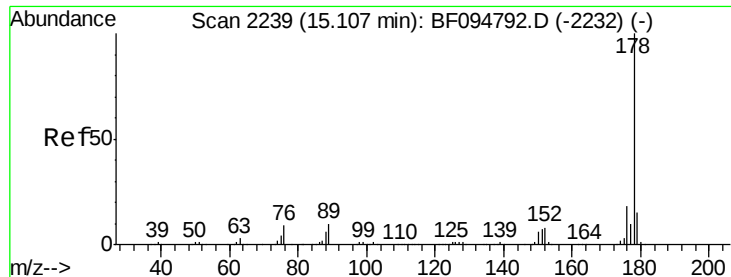
Tgt Ion:188 Resp: 256074
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 10.8 10.2 15.2



#70
 Phenanthrene
 Concen: 17.63 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF094866.D
 Acq: 4 May 2017 9:23

Tgt Ion:178 Resp: 259435
 Ion Ratio Lower Upper
 178 100
 176 18.8 16.2 24.4
 179 15.3 12.6 19.0





#71

Anthracene

Concen: 4.18 ng

RT: 15.09 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

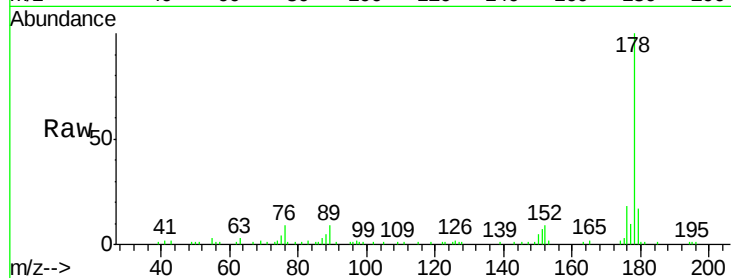
Tgt Ion:178 Resp: 62867

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

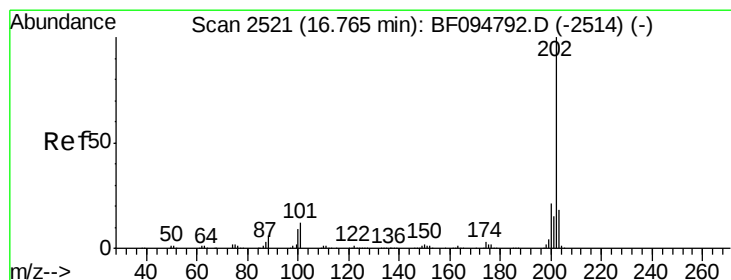
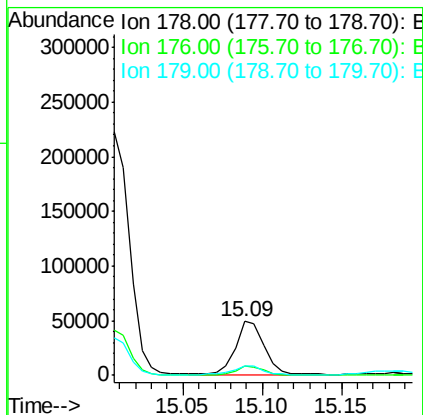
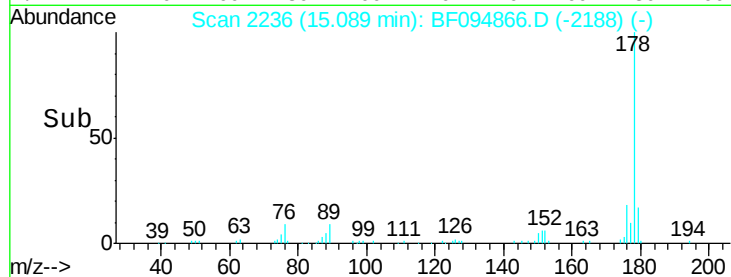
179 16.7 12.7 19.1



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: 24.73 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

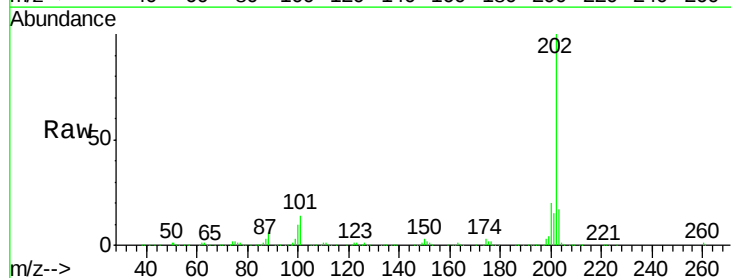
Tgt Ion:202 Resp: 373297

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

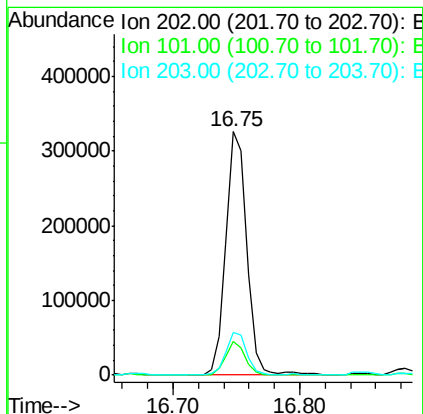
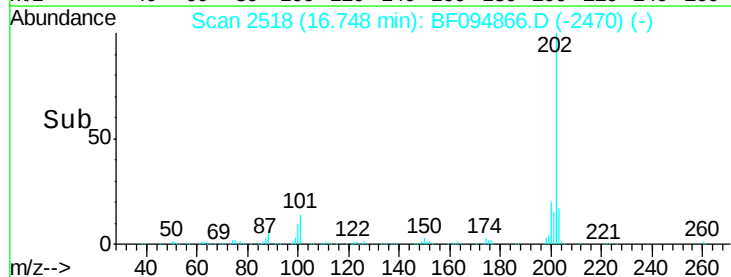
203 17.4 0.0 38.1

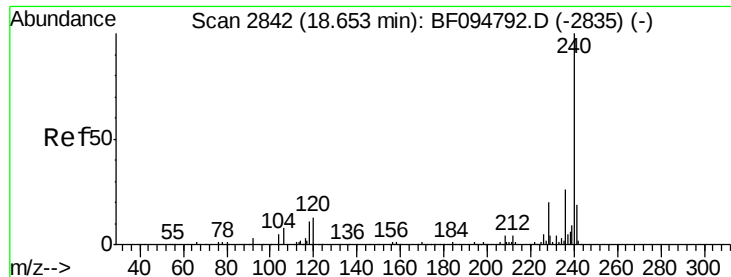


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

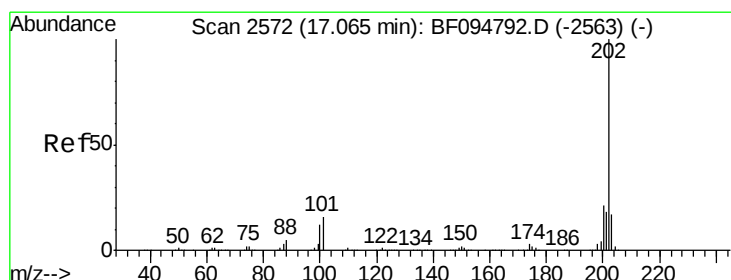
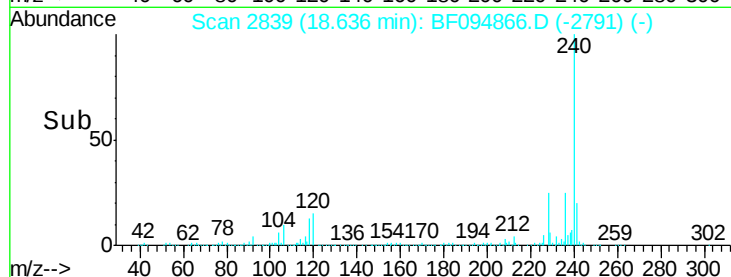
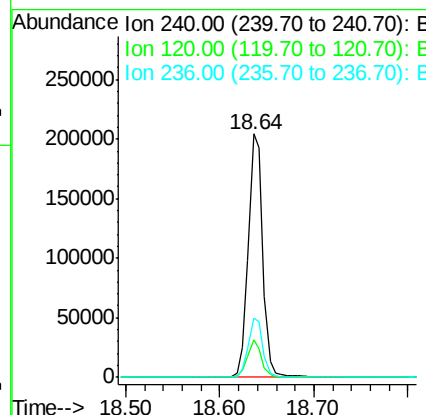
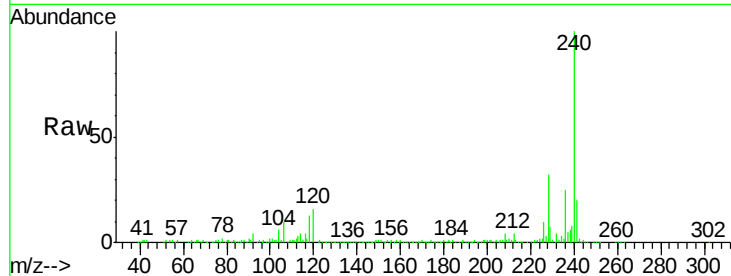




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.64 min Scan# 2839
Delta R.T. -0.02 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

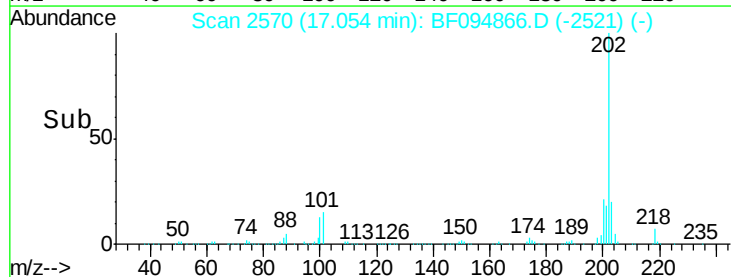
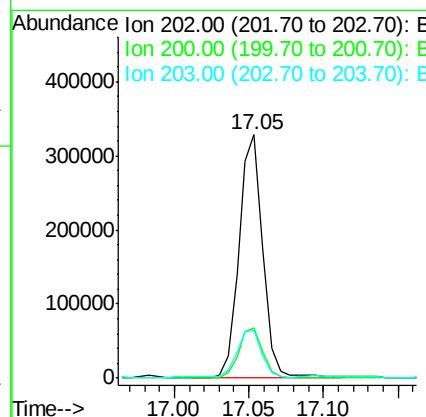
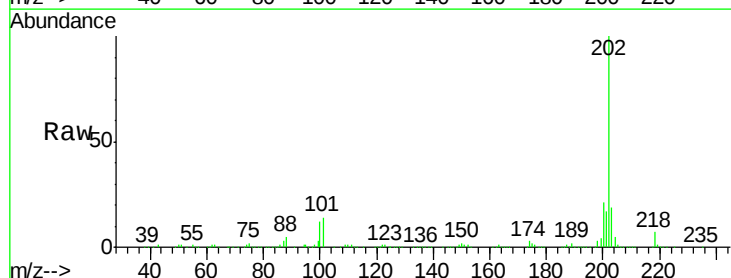
Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

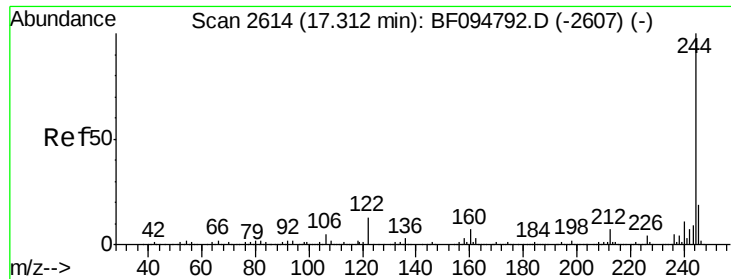
Tgt Ion:240 Resp: 219432
Ion Ratio Lower Upper
240 100
120 15.5 5.8 8.8#
236 24.5 20.5 30.7



#77
Pyrene
Concen: 22.03 ng
RT: 17.05 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion:202 Resp: 361580
Ion Ratio Lower Upper
202 100
200 20.9 17.6 26.4
203 19.5 14.4 21.6





#78

Terphenyl-d14

Concen: 67.60 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

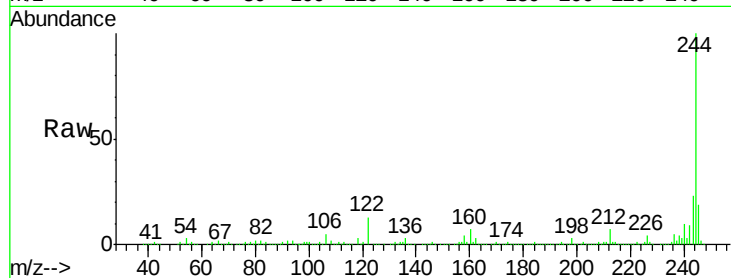
Tgt Ion:244 Resp: 673492

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

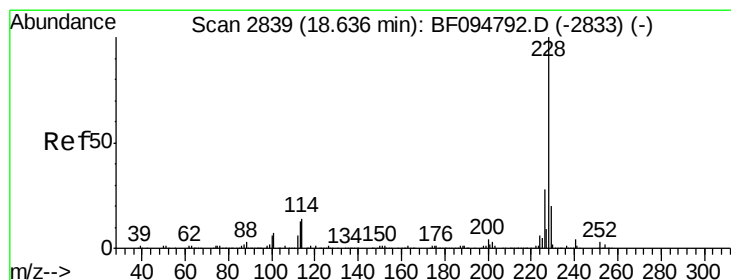
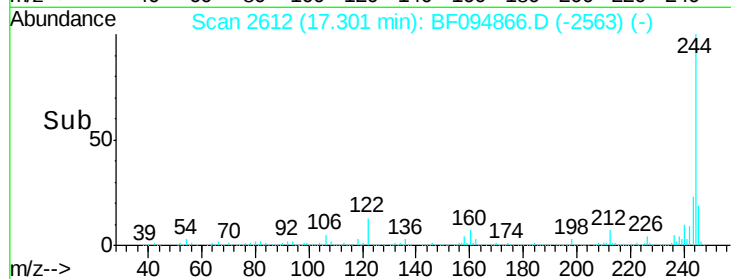
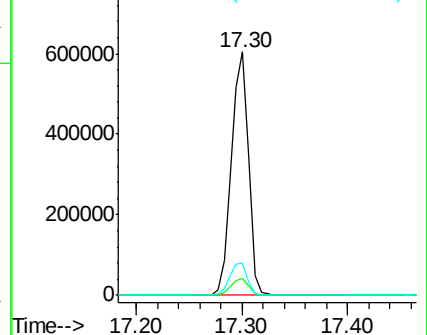
122 13.1 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.74 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

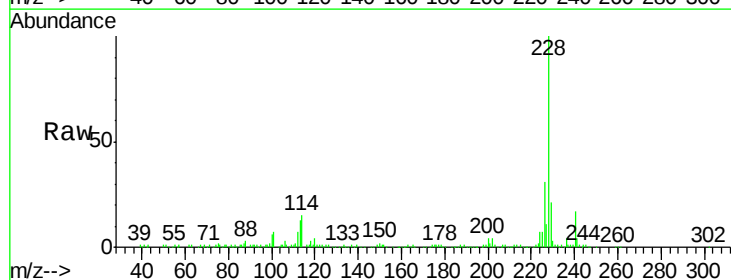
Tgt Ion:228 Resp: 175520

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

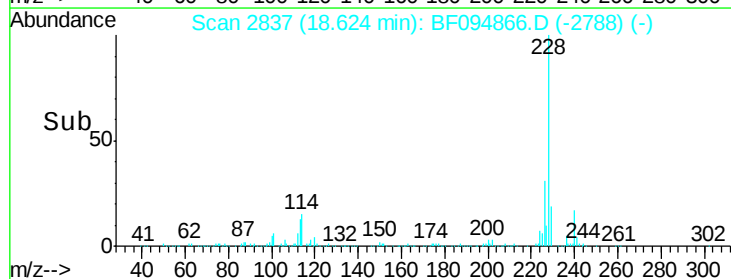
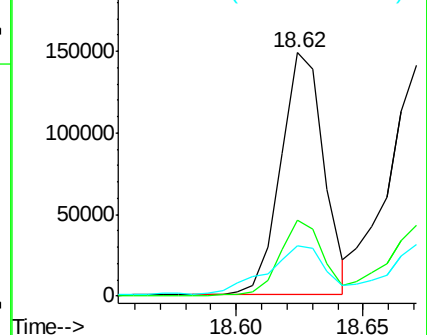
229 20.7 16.3 24.5

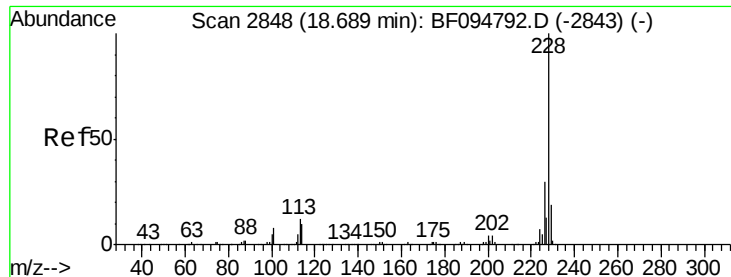


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.78 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

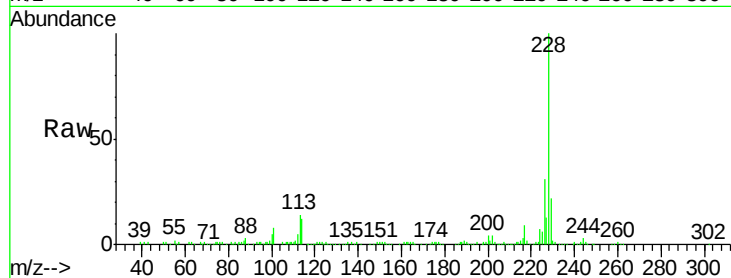
Tgt Ion:228 Resp: 170142

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

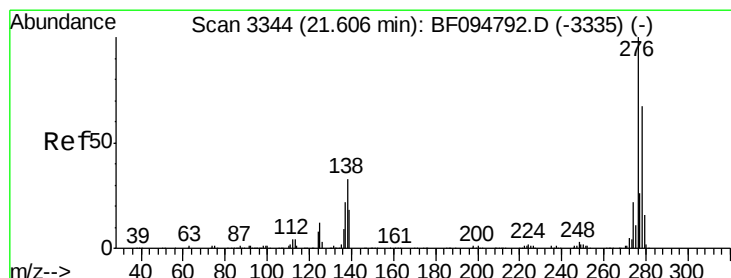
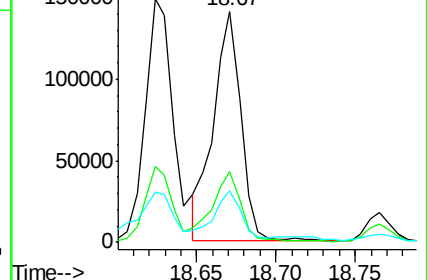
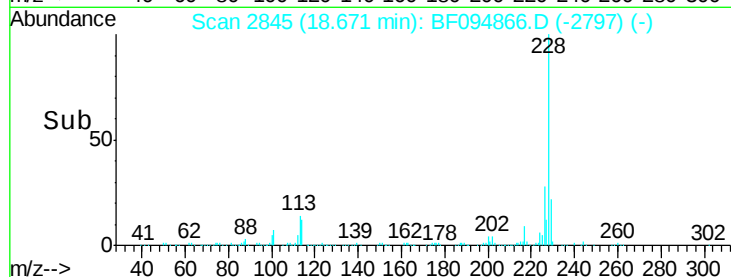
229 22.3 15.8 23.6



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: 7.83 ng

RT: 21.59 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

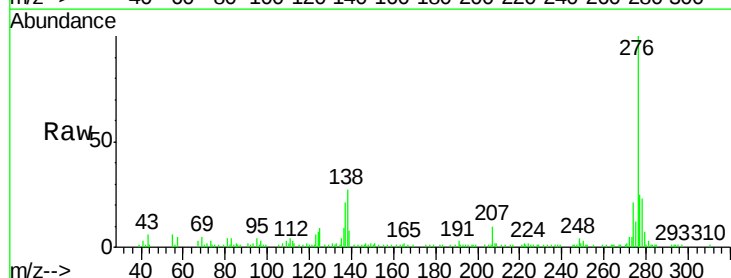
Tgt Ion:276 Resp: 78524

Ion Ratio Lower Upper

276 100

138 30.1 27.8 41.6

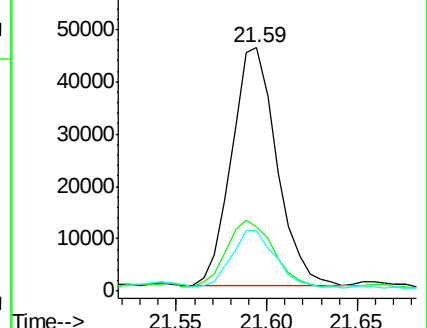
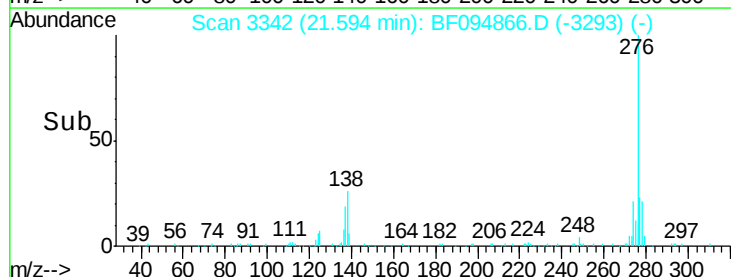
277 23.5 20.2 30.4

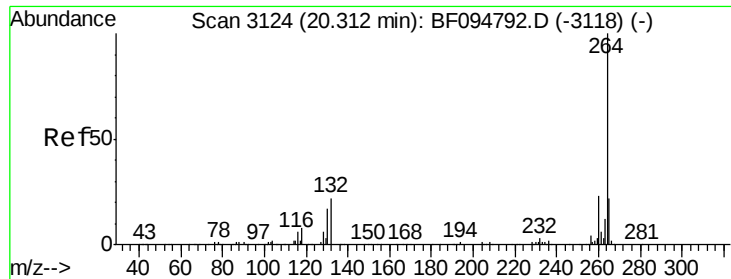


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



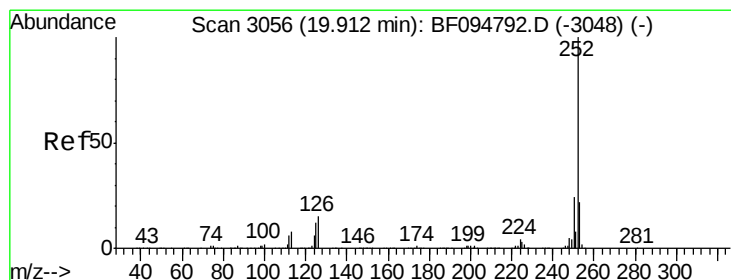
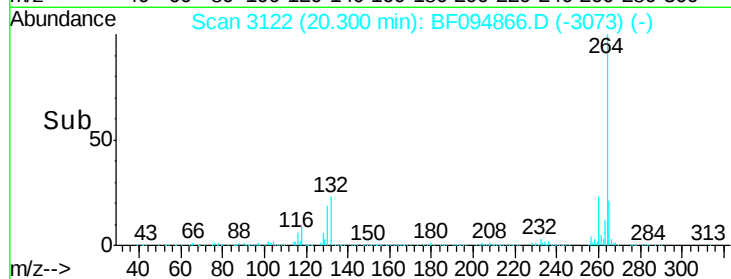
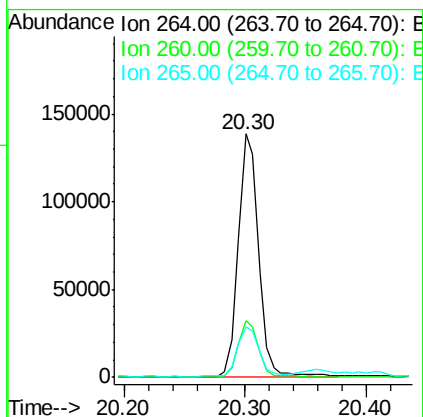
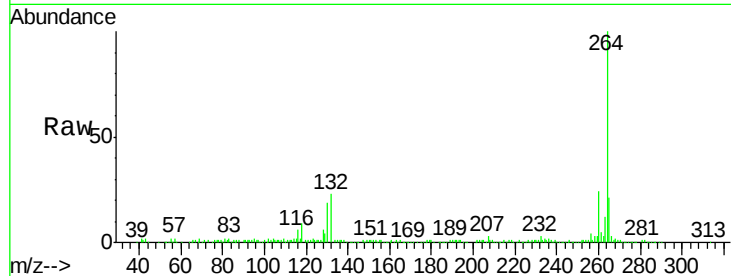


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Instrument :
BNA_F
ClientSampleId :
E2-V10-BASE

Tgt Ion: 264 Resp: 164761

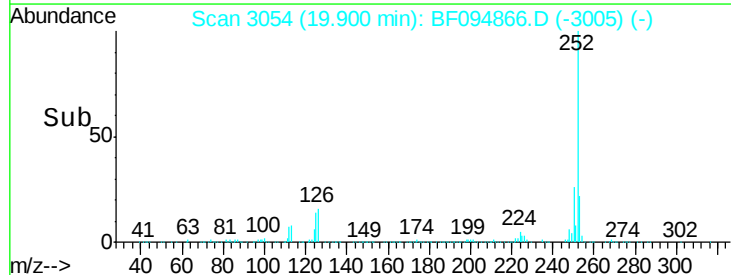
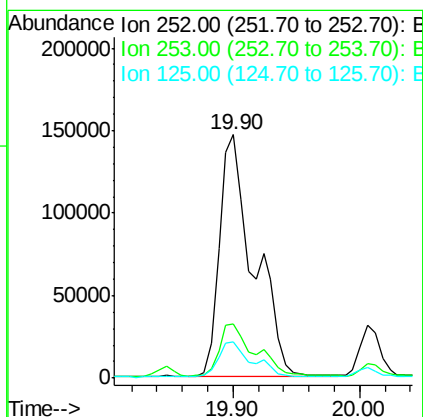
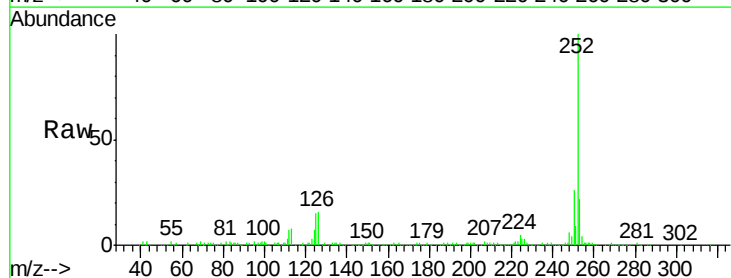
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.9	17.2	25.8

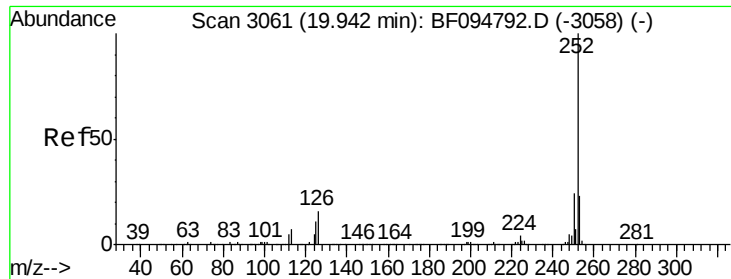


#87
Benzo(b)fluoranthene
Concen: 27.33 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094866.D
Acq: 4 May 2017 9:23

Tgt Ion: 252 Resp: 278273

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.7	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 28.34 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.04 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

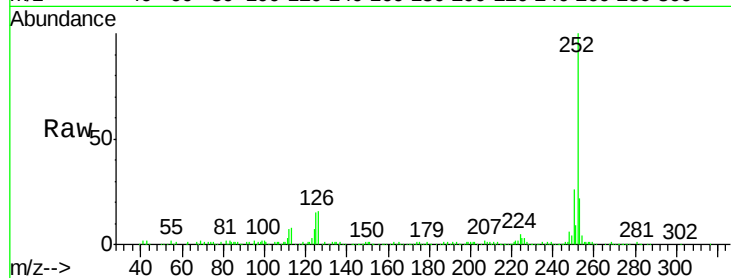
Tgt Ion:252 Resp: 278273

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

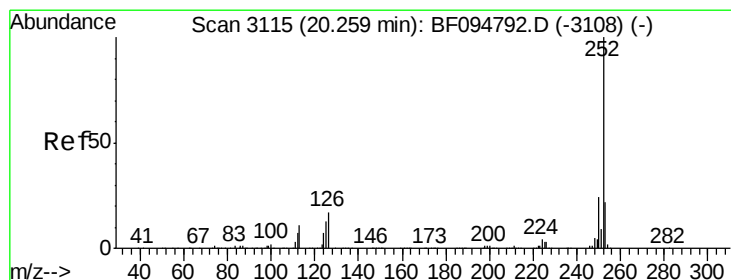
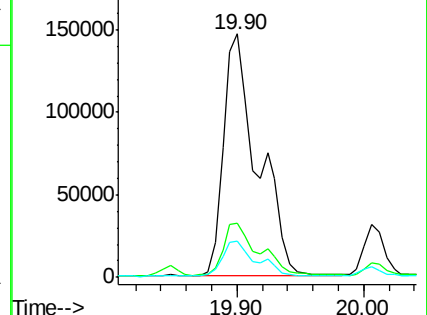
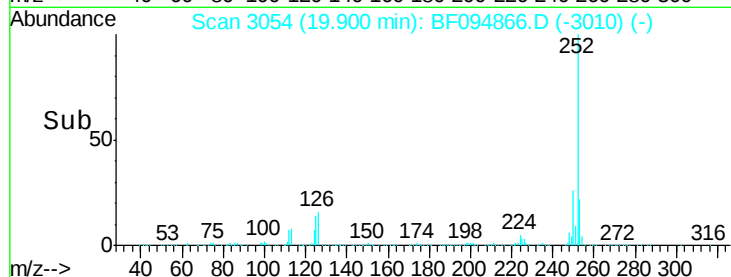
125 14.7 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 15.82 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

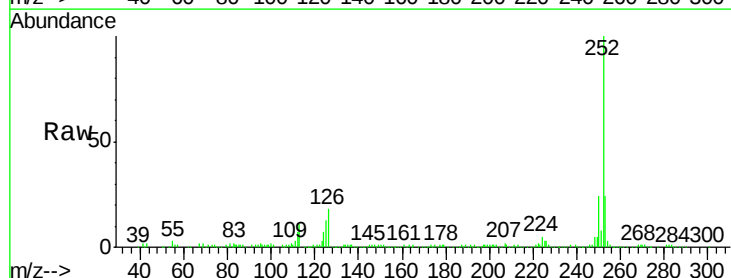
Tgt Ion:252 Resp: 148656

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

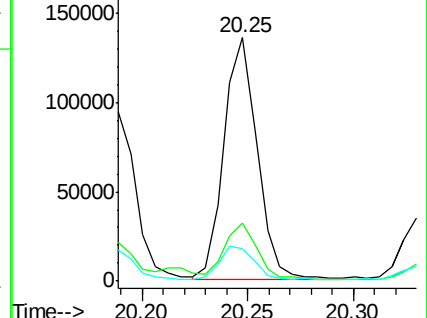
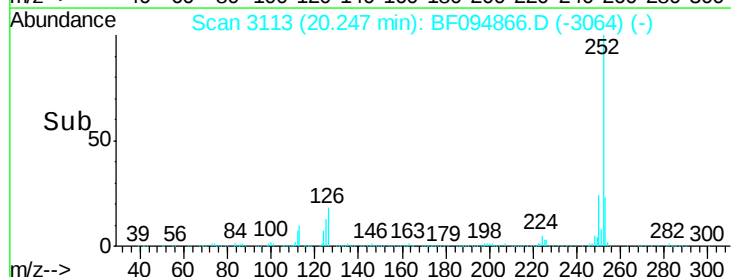
125 13.4 11.0 16.4

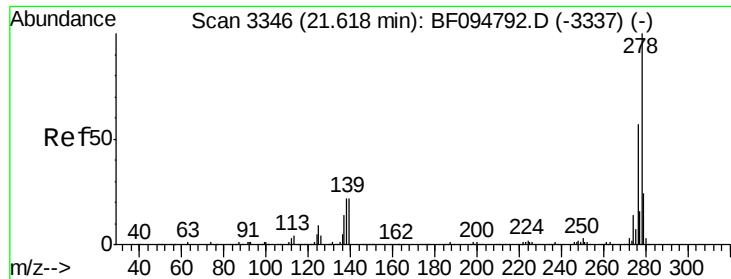


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.76 ng

RT: 21.59 min Scan# 3342

Delta R.T. -0.02 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

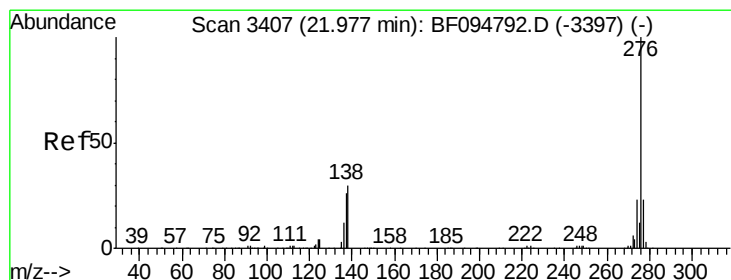
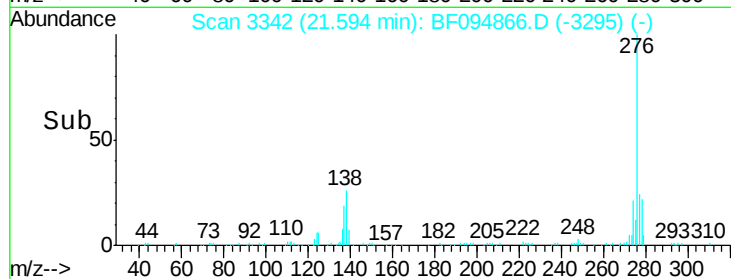
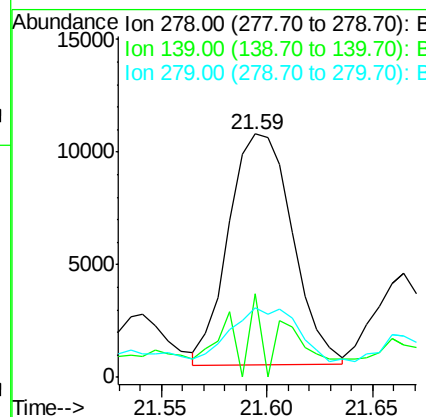
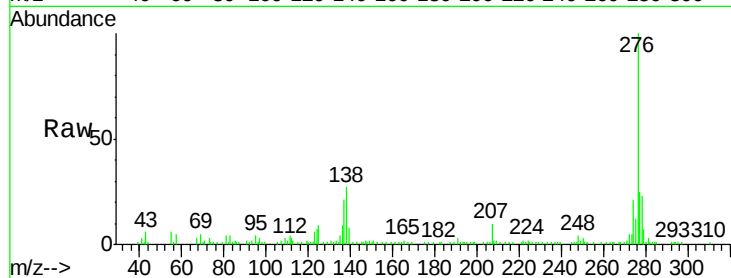
Instrument :

BNA_F

ClientSampleId :

E2-V10-BASE

Tgt Ion:	278	Resp:	21400
Ion	Ratio	Lower	Upper
278	100		
139	34.5	16.6	24.8#
279	28.4	19.3	28.9



#91

Benzo(g,h,i)perylene

Concen: 9.91 ng

RT: 21.96 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BF094866.D

Acq: 4 May 2017 9:23

Tgt Ion:	276	Resp:	75425
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	31.5	25.4	38.0

