

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090998.D
 Acq On : 2 Nov 2016 23:40
 Operator : UM/SJ
 Sample : H5489-12RE 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

Quant Time: Nov 02 23:16:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

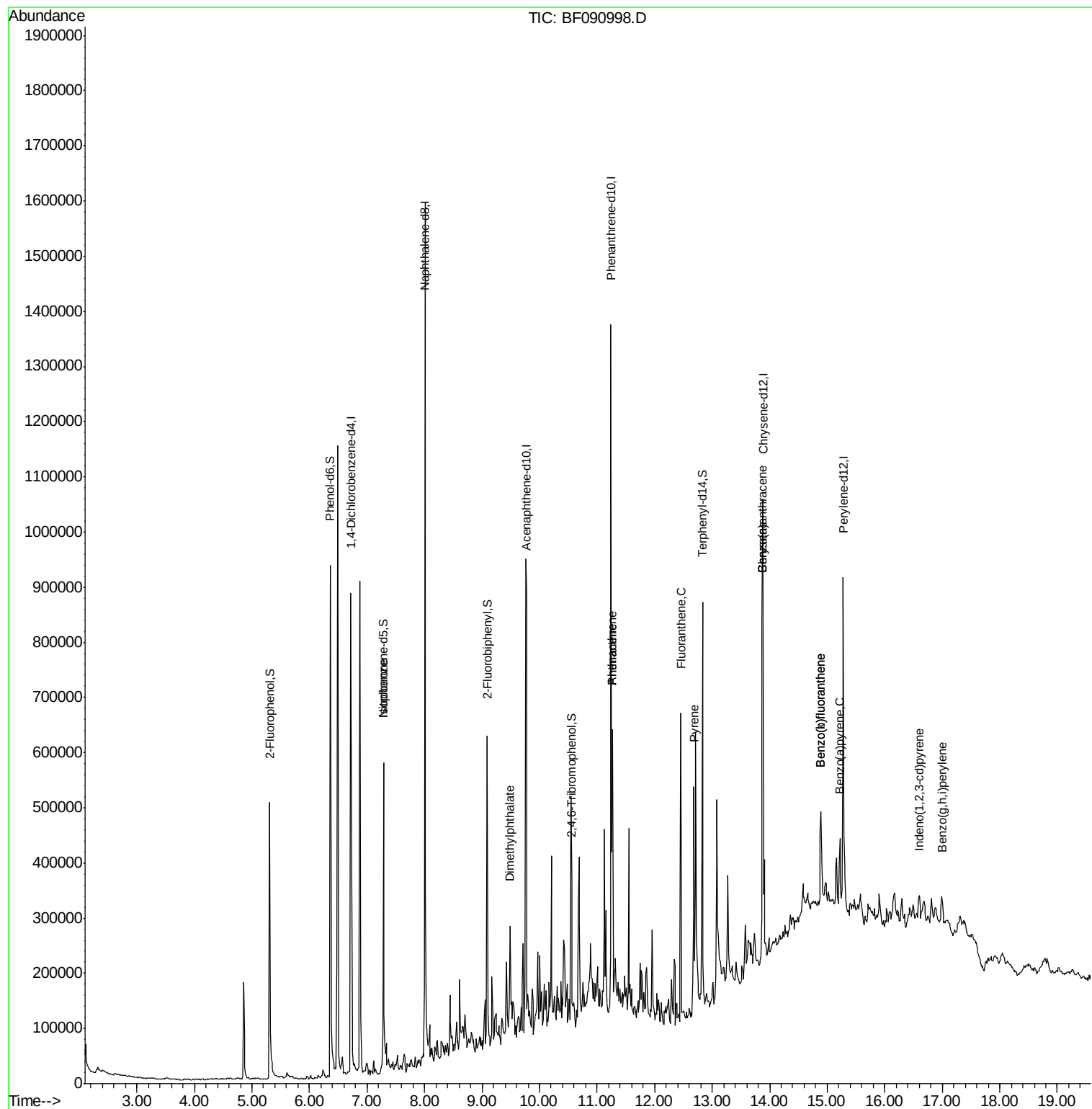
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	157368	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	667558	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	280094	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	440521	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	339322	20.00	ng	-0.02
86) Perylene-d12	15.28	264	281585	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	258587	28.73	ng	-0.02
7) Phenol-d6	6.36	99	386402	31.82	ng	-0.03
23) Nitrobenzene-d5	7.29	82	236889	23.23	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	59781	20.77	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	303527	19.03	ng	-0.02
78) Terphenyl-d14	12.83	244	230575	17.12	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.29	82	201308	9.73	ng	# 59
49) Dimethylphthalate	9.48	163	87964	4.70	ng	# 97
70) Phenanthrene	11.26	178	176655	7.87	ng	97
71) Anthracene	11.26	178	176655	7.48	ng	97
74) Fluoranthene	12.45	202	202762	8.25	ng	95
77) Pyrene	12.68	202	168703	7.86	ng	96
80) Benzo(a)anthracene	13.87	228	104117	5.78	ng	94
82) Chrysene	13.87	228	104117	5.72	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	35294	2.19	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	125719	6.64	ng	# 84
88) Benzo(k)fluoranthene	14.89	252	125719	8.40	ng	# 85
89) Benzo(a)pyrene	15.22	252	60978	3.75	ng	# 82
91) Benzo(g,h,i)perylene	16.99	276	29325	2.26	ng	# 86

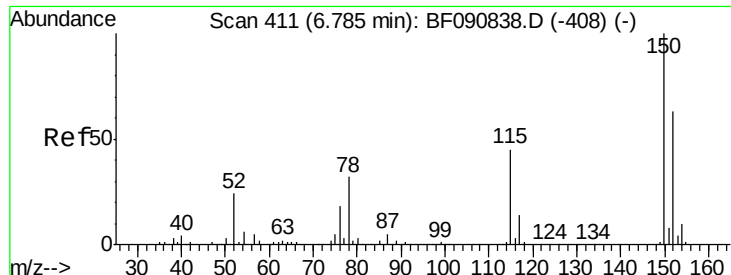
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 01 11:53:50 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

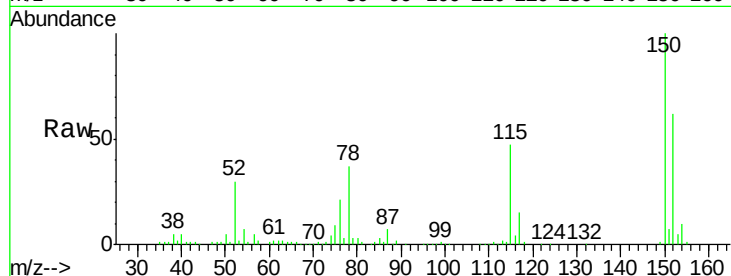
Tgt Ion:152 Resp: 157368

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

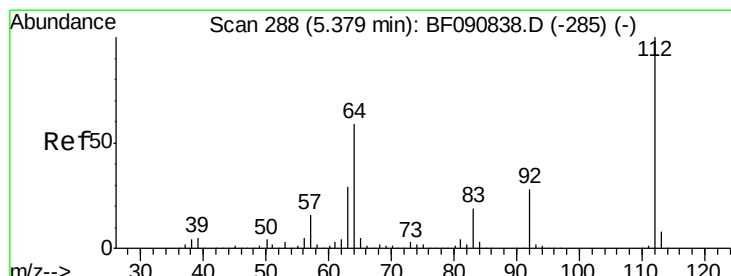
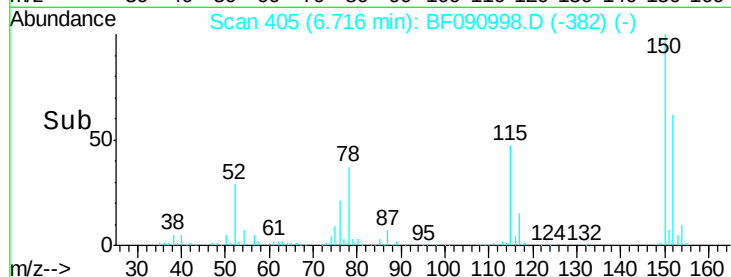
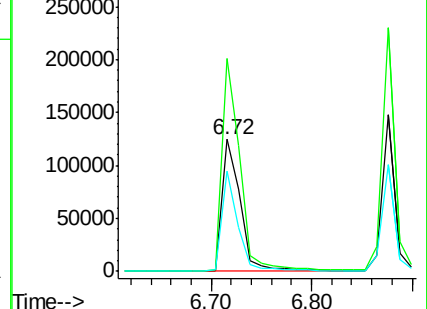
115 75.7 39.0 58.4#



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: 28.73 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

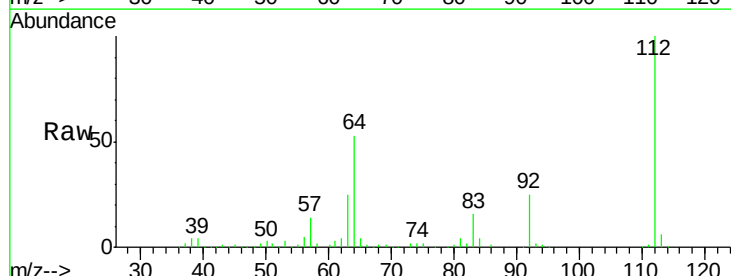
Tgt Ion:112 Resp: 258587

Ion Ratio Lower Upper

112 100

64 52.5 39.7 59.5

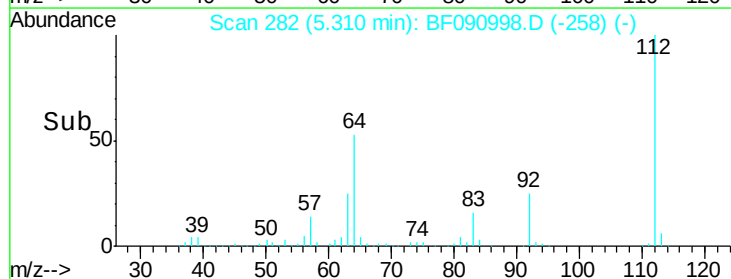
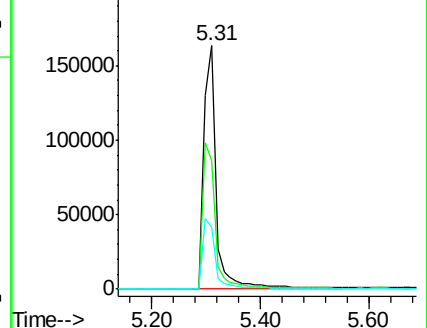
63 25.5 17.4 26.0

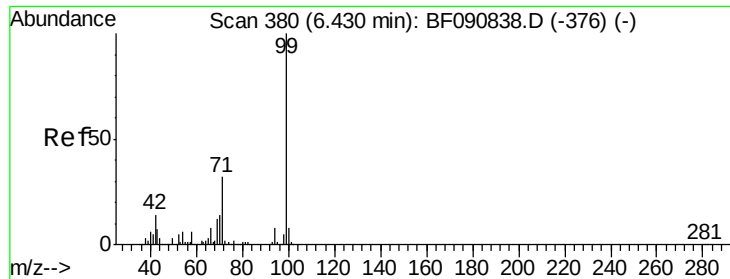


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.82 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

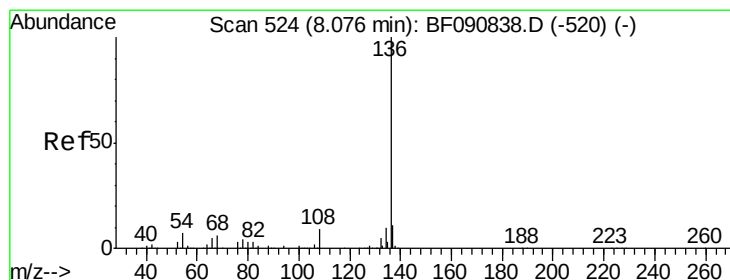
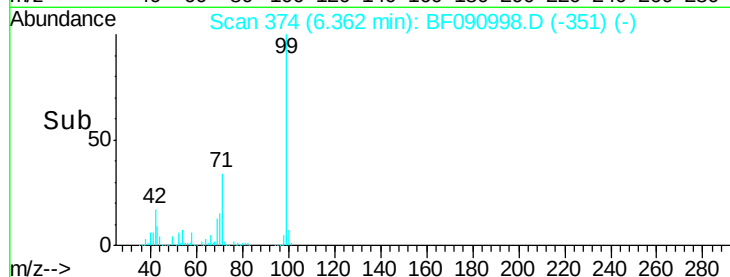
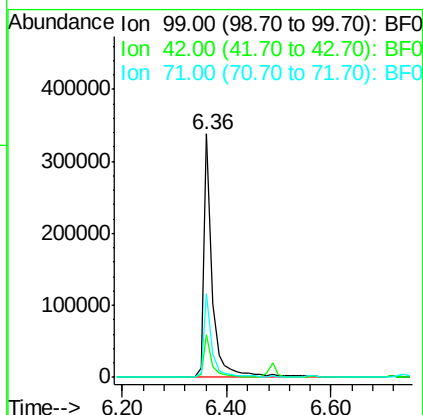
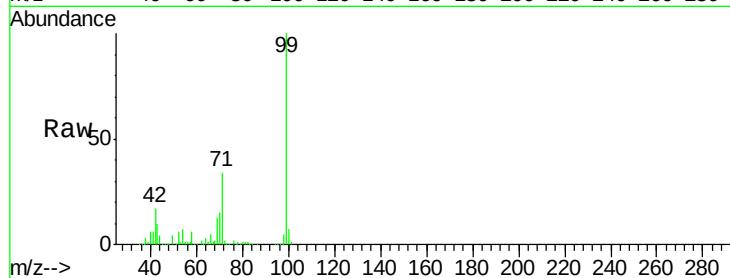
Tgt Ion: 99 Resp: 386402

Ion Ratio Lower Upper

99 100

42 17.5 13.7 20.5

71 34.4 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Tgt Ion: 136 Resp: 667558

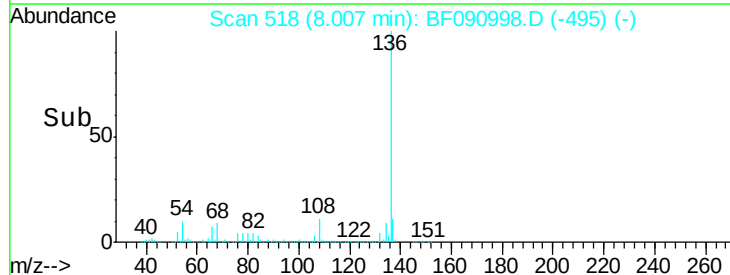
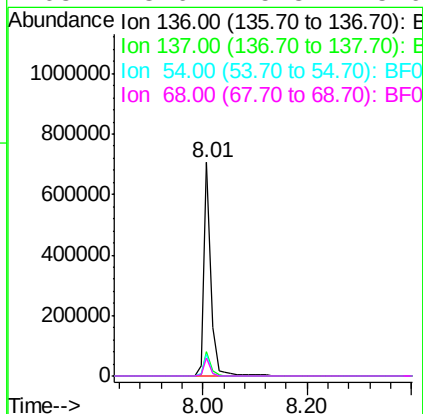
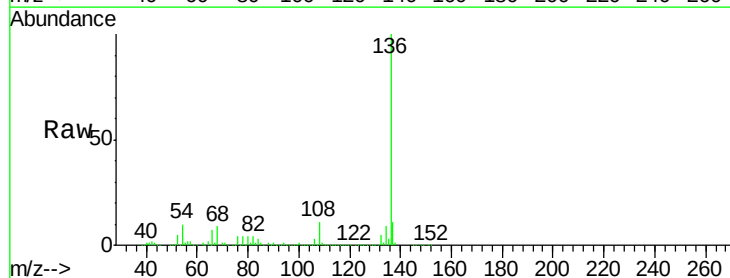
Ion Ratio Lower Upper

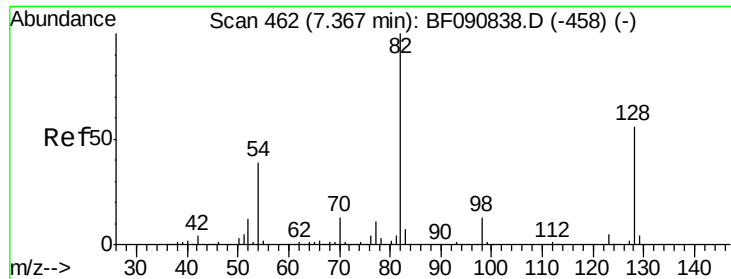
136 100

137 11.3 9.0 13.6

54 10.0 8.2 12.2

68 8.6 5.8 8.6

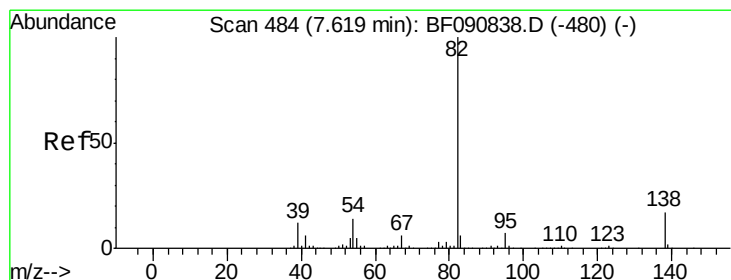
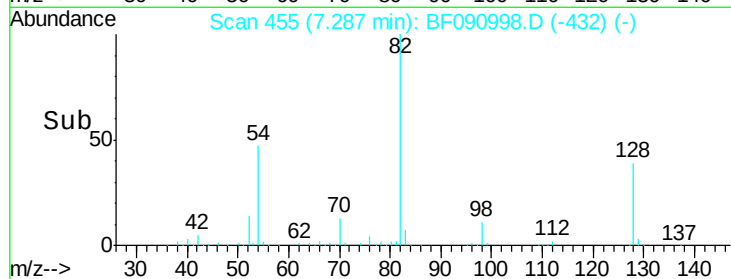
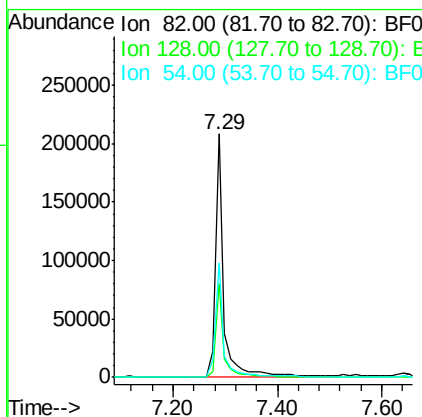
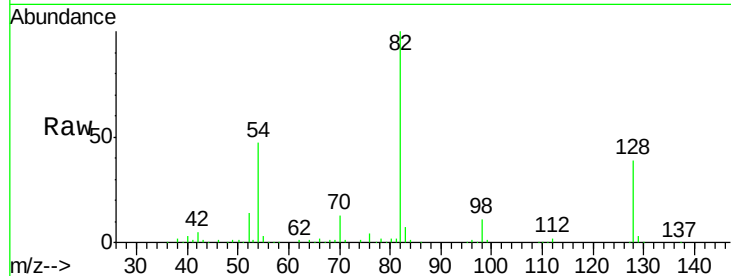




#23
 Nitrobenzene-d5
 Concen: 23.23 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

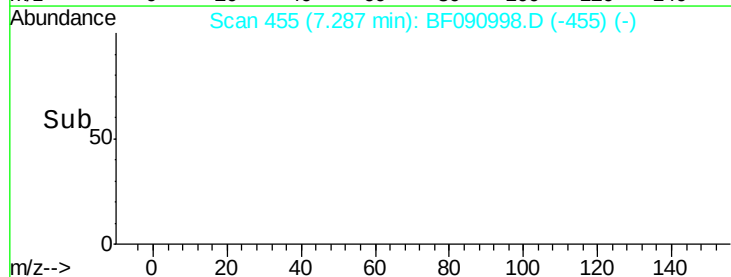
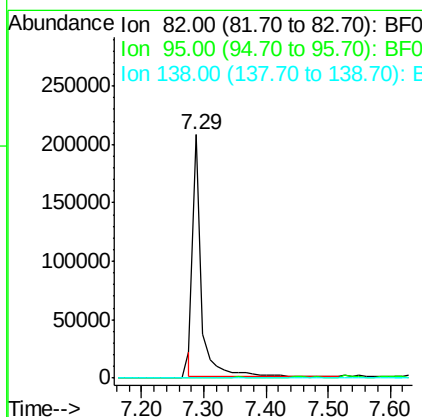
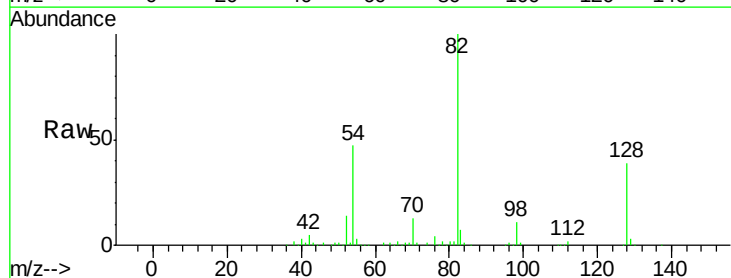
Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

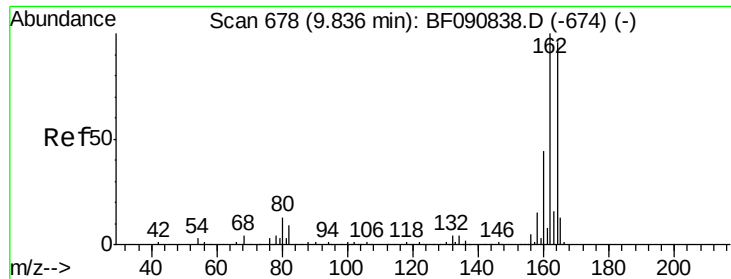
Tgt Ion: 82 Resp: 236889
 Ion Ratio Lower Upper
 82 100
 128 38.7 51.0 76.6#
 54 46.9 47.5 71.3#



#25
 Isophorone
 Concen: 9.73 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.30 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Tgt Ion: 82 Resp: 201308
 Ion Ratio Lower Upper
 82 100
 95 0.4 4.0 6.0#
 138 0.0 18.3 27.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

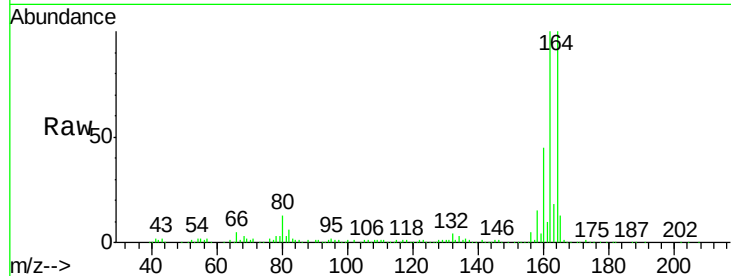
Tgt Ion:164 Resp: 280094

Ion Ratio Lower Upper

164 100

162 100.1 75.2 112.8

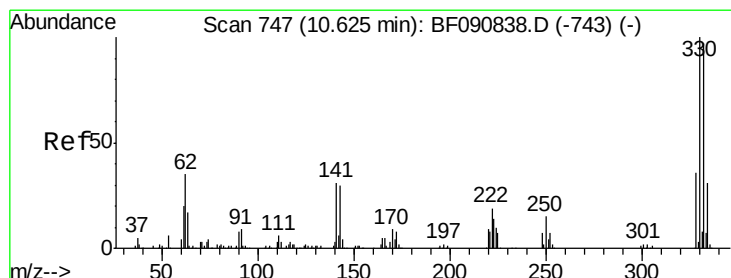
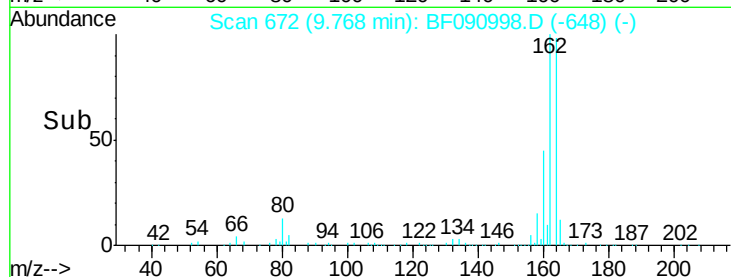
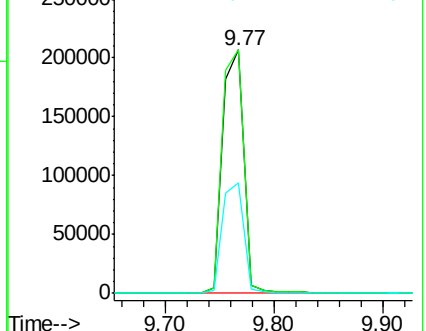
160 45.2 31.5 47.3



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: 20.77 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

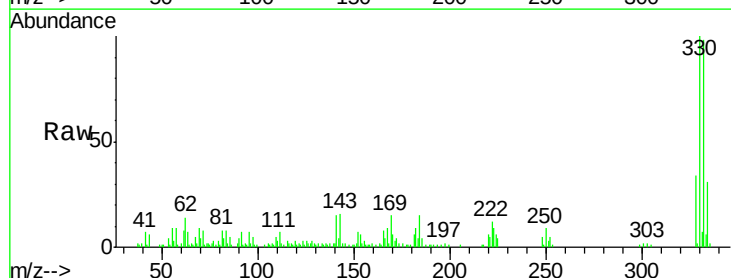
Tgt Ion:330 Resp: 59781

Ion Ratio Lower Upper

330 100

332 95.7 76.6 114.8

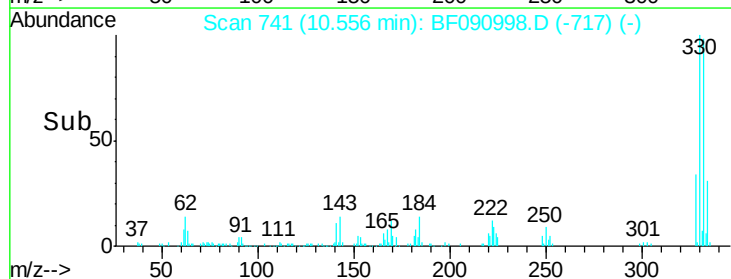
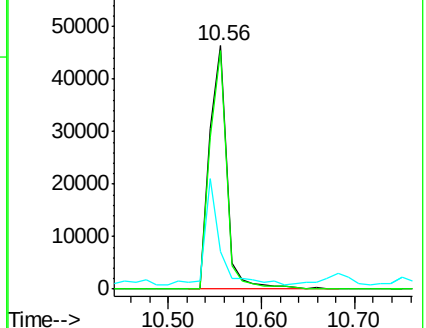
141 37.6 29.7 44.5

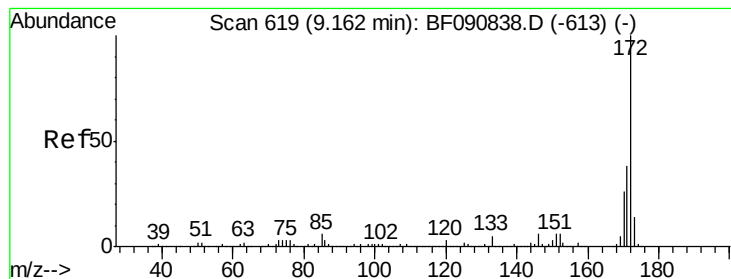


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

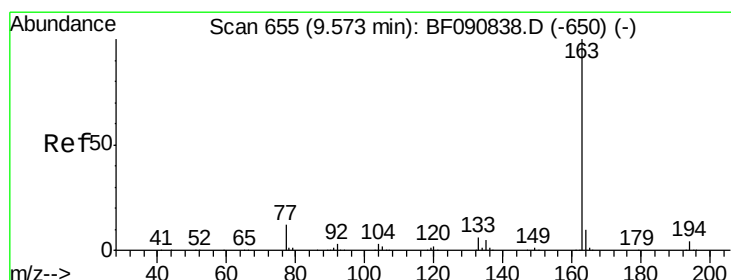
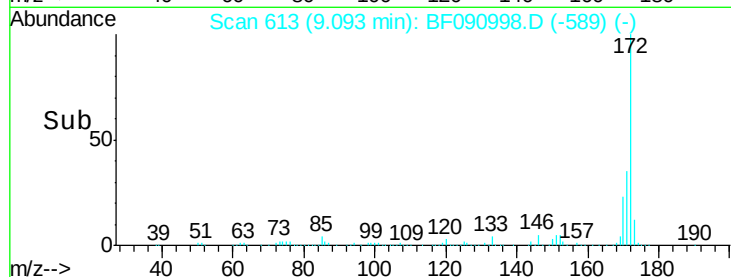
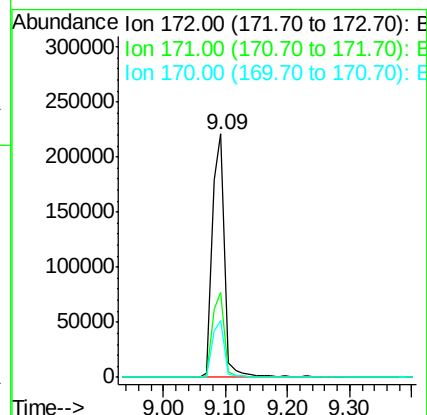
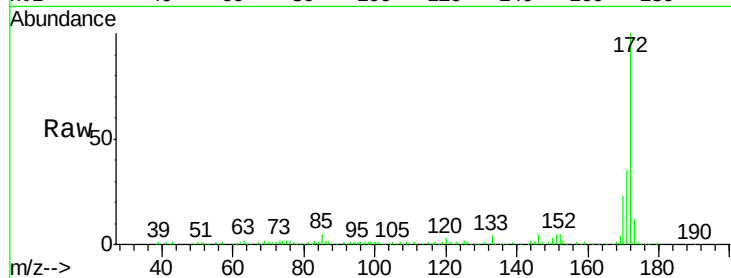




#44
2-Fluorobiphenyl
Concen: 19.03 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

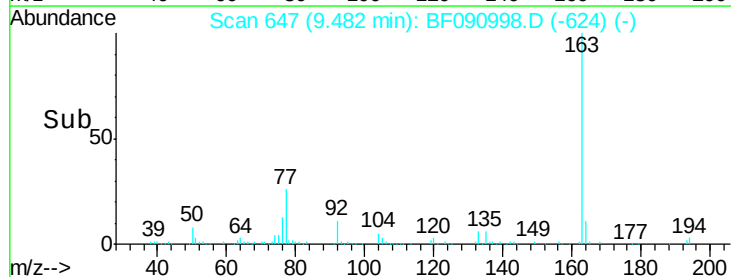
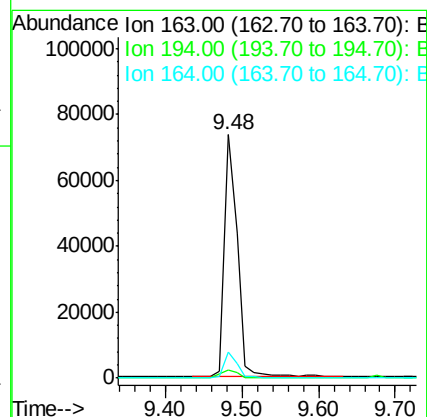
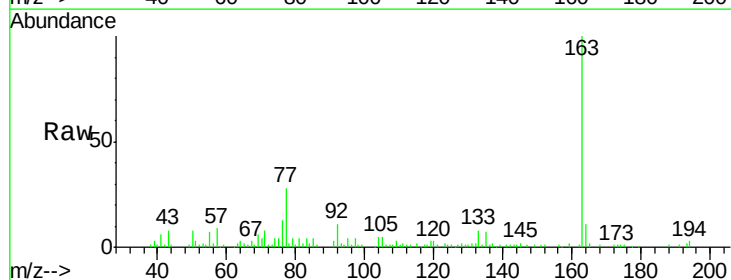
Instrument :
BNA_F
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SB-73-0.5-1.0RE

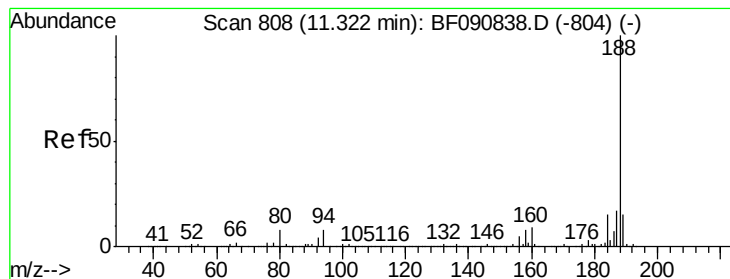
Tgt Ion:172 Resp: 303527
Ion Ratio Lower Upper
172 100
171 35.0 26.1 39.1
170 23.1 17.4 26.2



#49
Dimethylphthalate
Concen: 4.70 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.03 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion:163 Resp: 87964
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 10.8 8.3 12.5





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

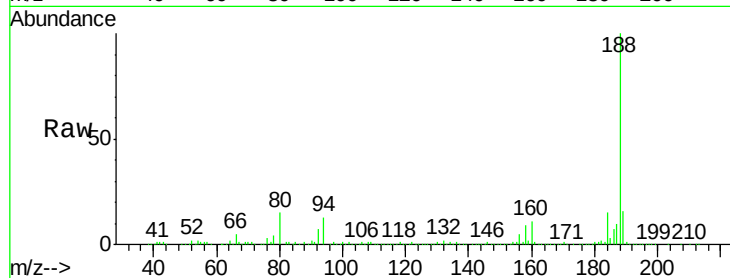
Tgt Ion:188 Resp: 440521

Ion Ratio Lower Upper

188 100

94 13.3 11.1 16.7

80 14.8 11.0 16.4



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

600000

500000

400000

300000

200000

100000

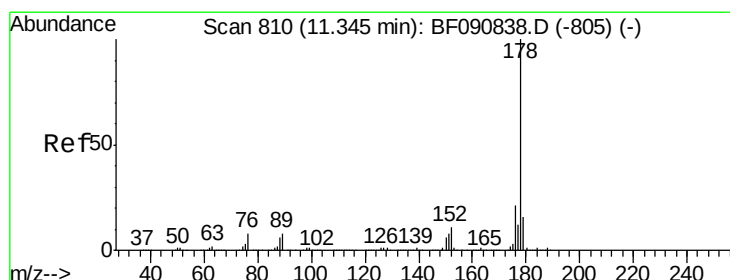
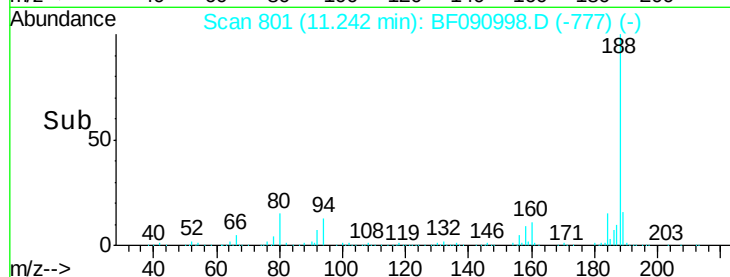
0

11.24

11.20

11.40

Time-->



#70

Phenanthrene

Concen: 7.87 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

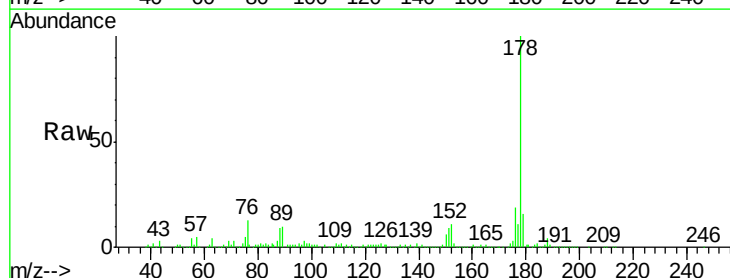
Tgt Ion:178 Resp: 176655

Ion Ratio Lower Upper

178 100

176 19.4 13.8 20.8

179 15.8 12.2 18.2



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

250000

200000

150000

100000

50000

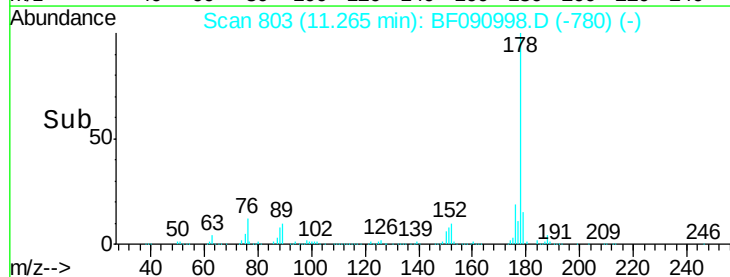
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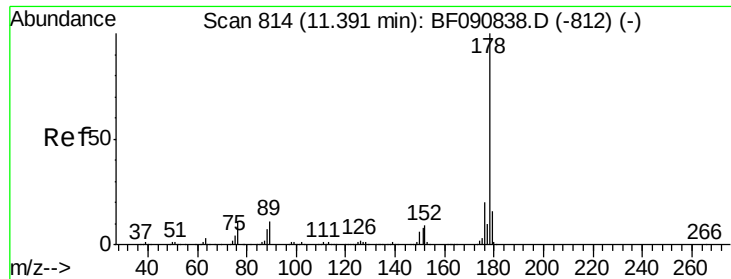
11.26

11.20

11.30

Time-->





#71

Anthracene

Concen: 7.48 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.08 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

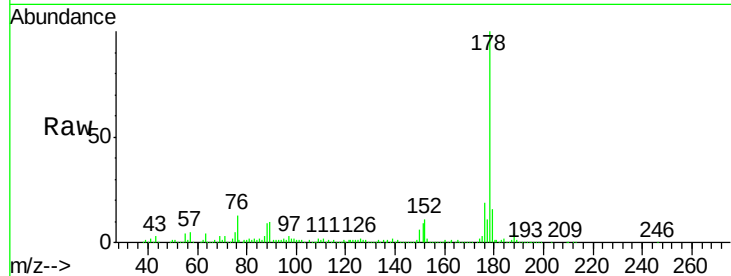
Tgt Ion:178 Resp: 176655

Ion Ratio Lower Upper

178 100

176 19.4 14.1 21.1

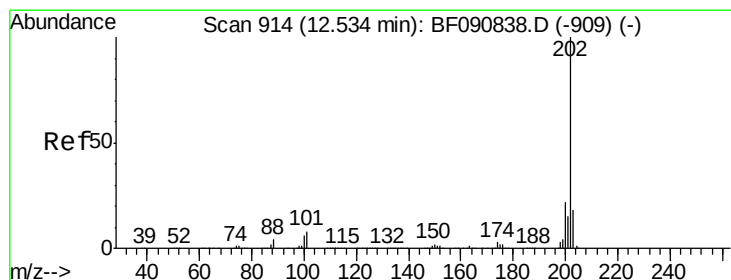
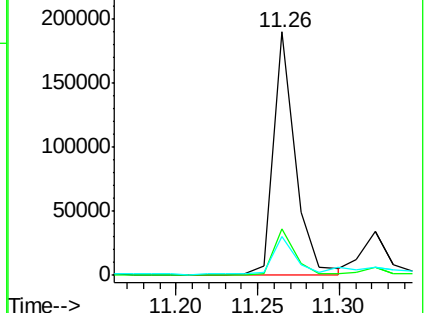
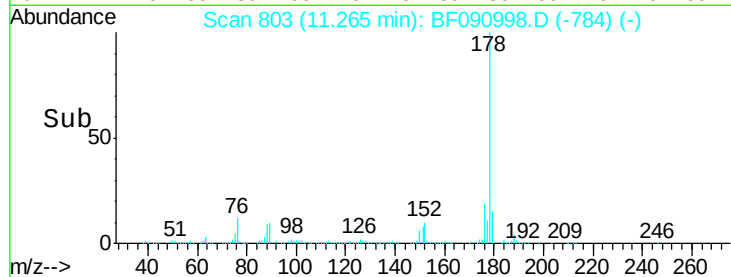
179 15.8 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.25 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

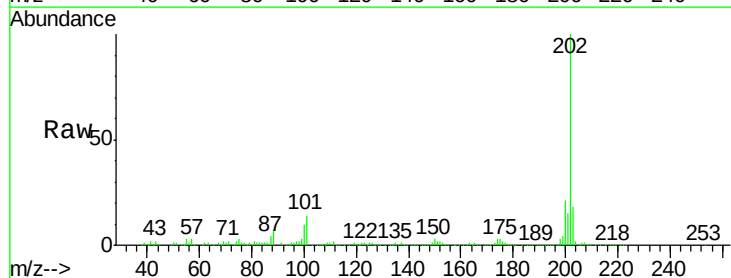
Tgt Ion:202 Resp: 202762

Ion Ratio Lower Upper

202 100

101 14.1 0.0 38.3

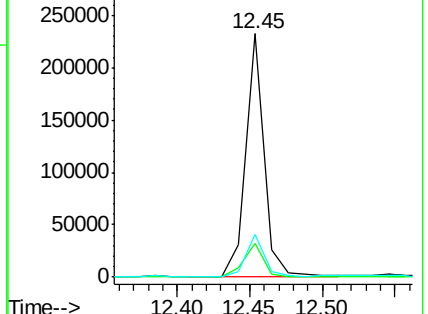
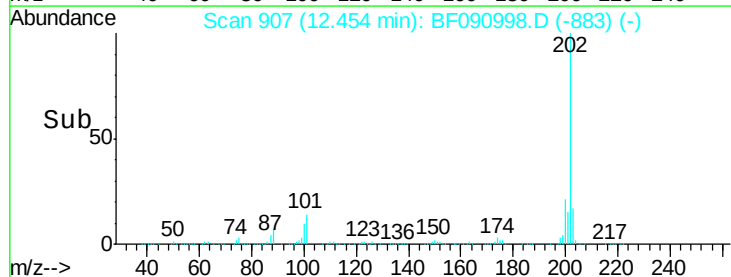
203 17.5 0.0 37.3

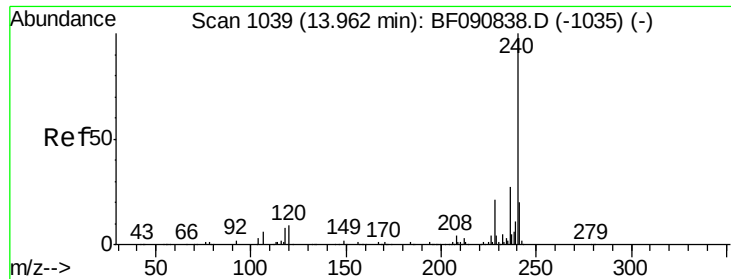


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

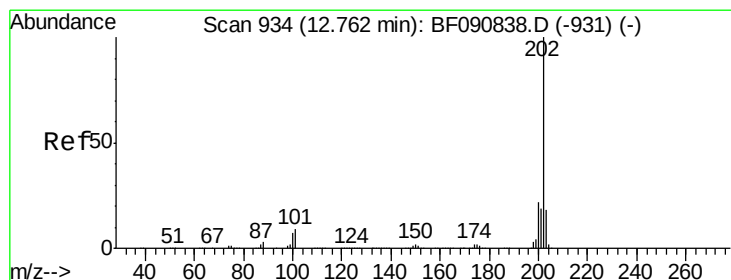
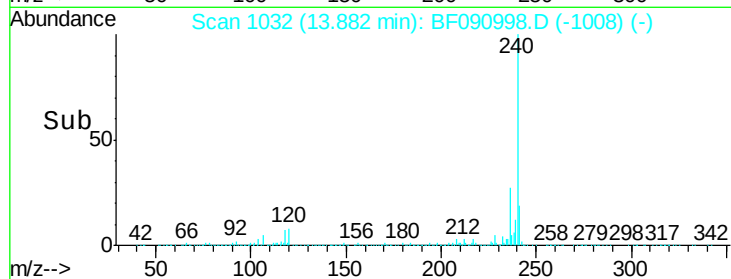
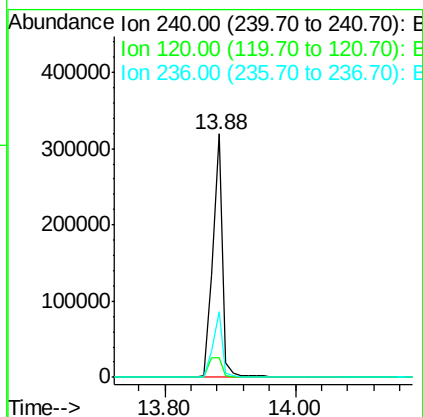
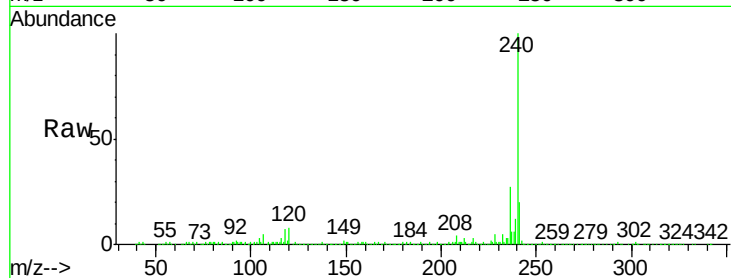




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

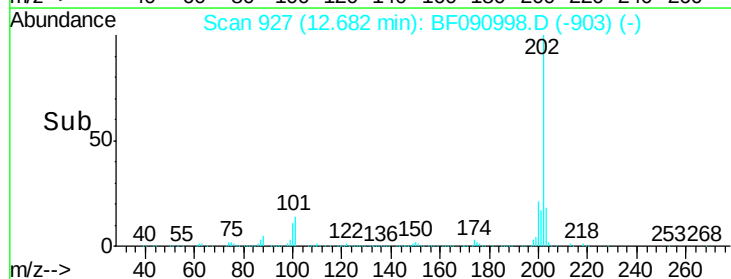
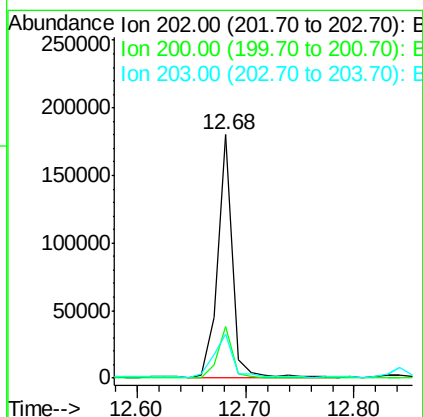
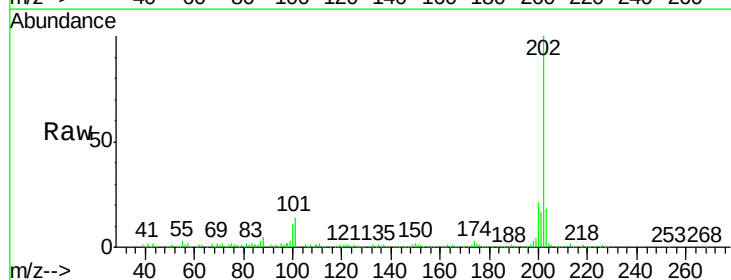
Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

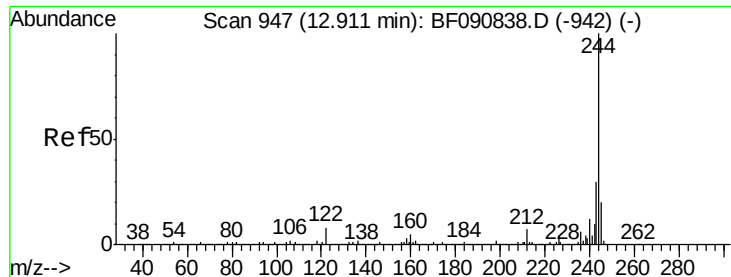
Tgt Ion:240 Resp: 339322
Ion Ratio Lower Upper
240 100
120 8.2 16.2 24.2#
236 26.9 18.4 27.6



#77
Pyrene
Concen: 7.86 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion:202 Resp: 168703
Ion Ratio Lower Upper
202 100
200 21.3 15.0 22.4
203 18.1 14.1 21.1





#78

Terphenyl-d14

Concen: 17.12 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

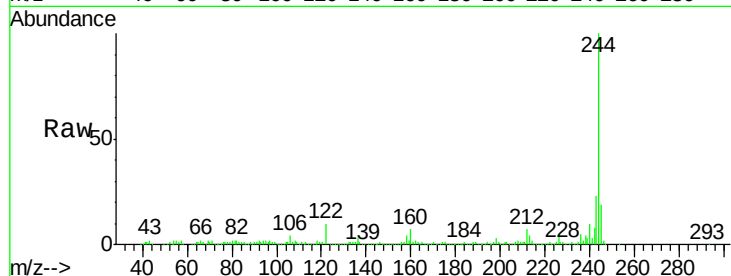
Tgt Ion:244 Resp: 230575

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

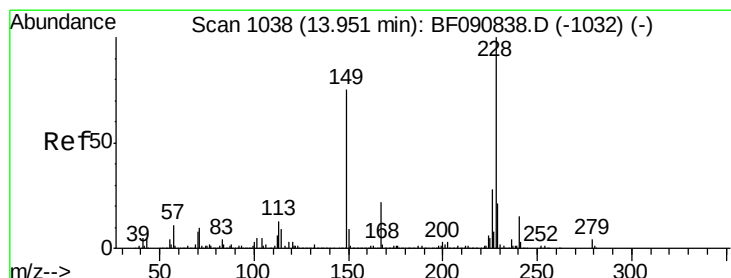
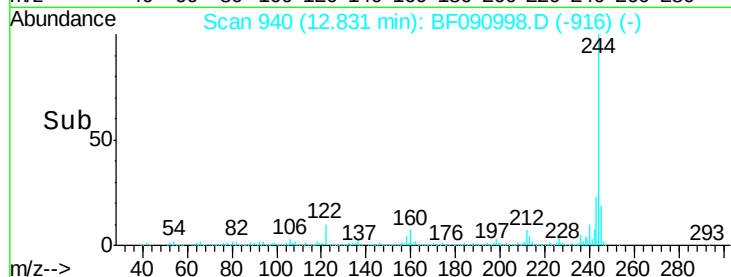
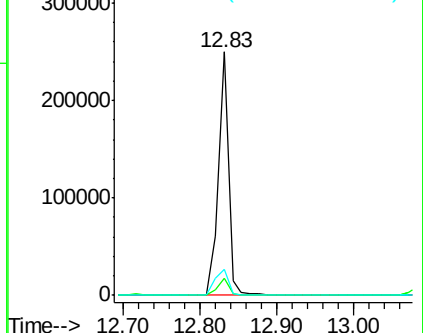
122 10.5 17.4 26.2#



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: 5.78 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

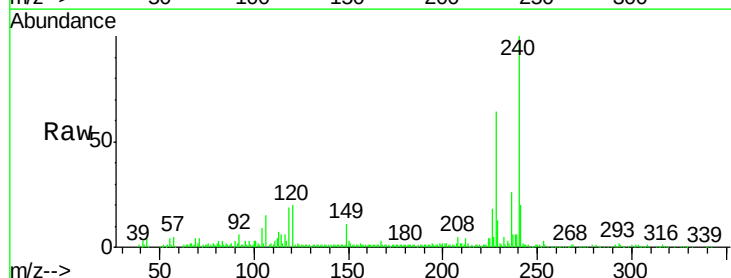
Tgt Ion:228 Resp: 104117

Ion Ratio Lower Upper

228 100

226 28.7 20.0 30.0

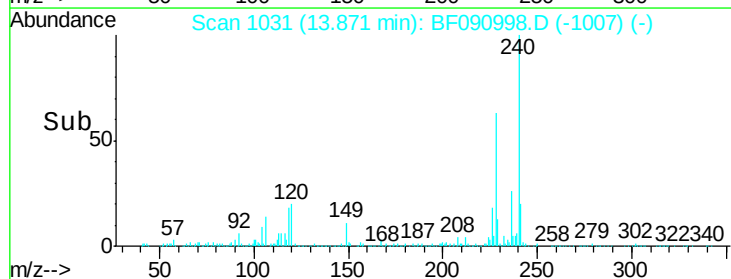
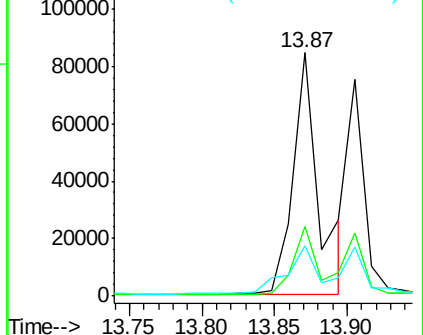
229 20.8 15.4 23.2

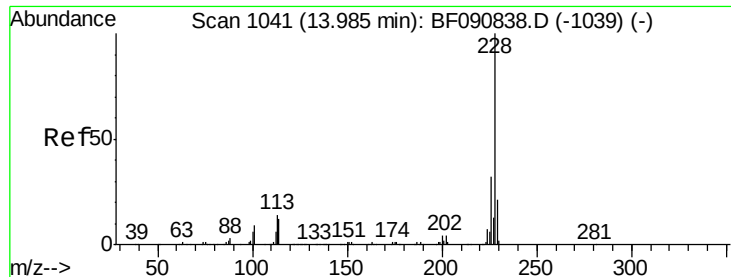


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.72 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

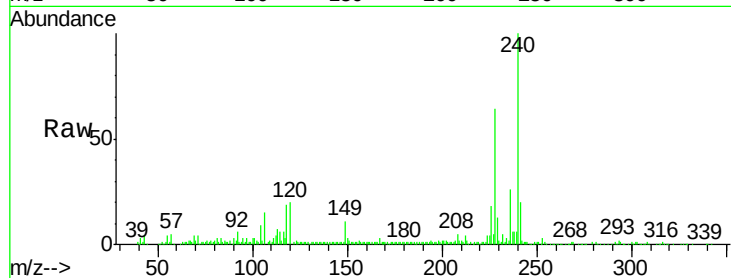
Tgt Ion:228 Resp: 104117

Ion Ratio Lower Upper

228 100

226 28.7 21.0 31.4

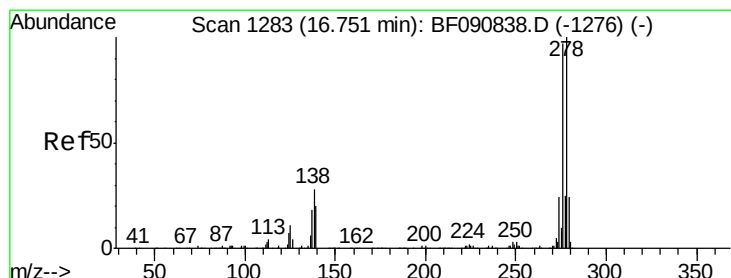
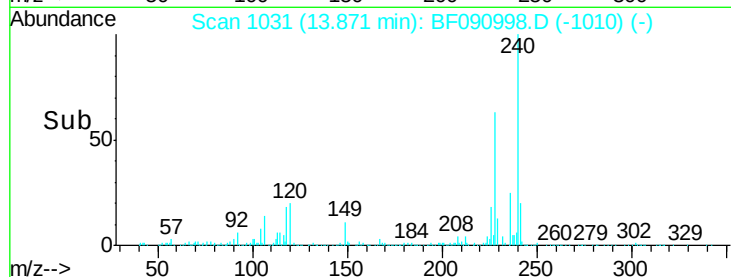
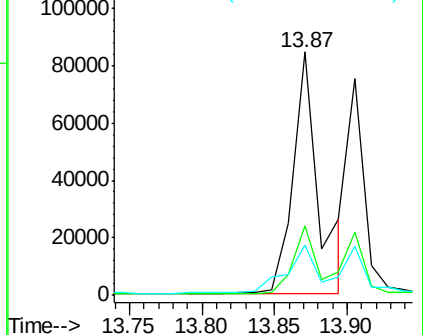
229 20.8 15.6 23.4



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: 2.19 ng

RT: 16.60 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

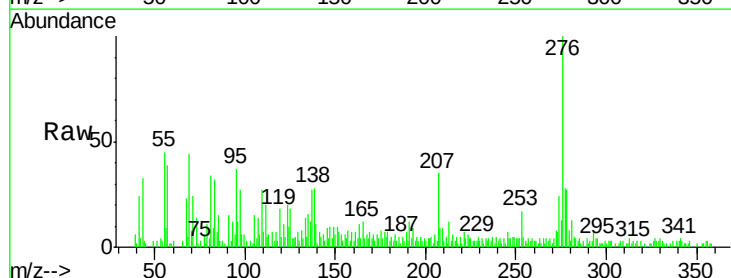
Tgt Ion:276 Resp: 35294

Ion Ratio Lower Upper

276 100

138 29.9 25.7 38.5

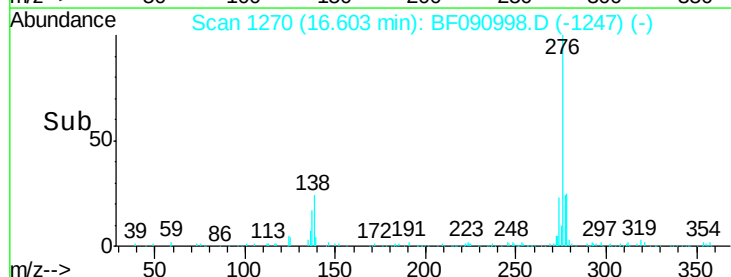
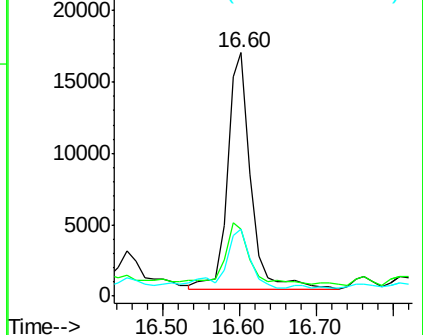
277 29.0 15.6 23.4#

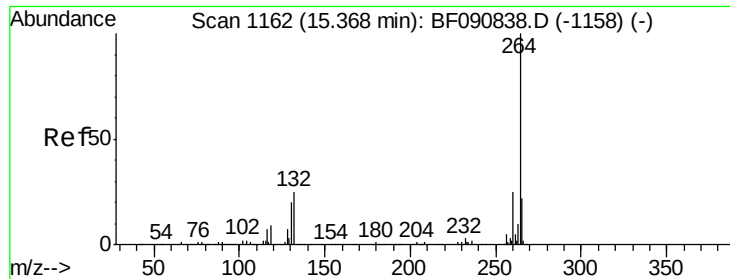


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

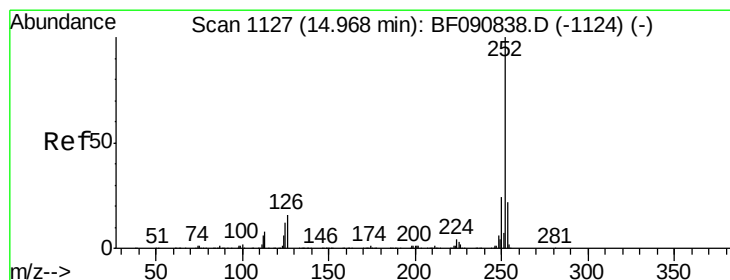
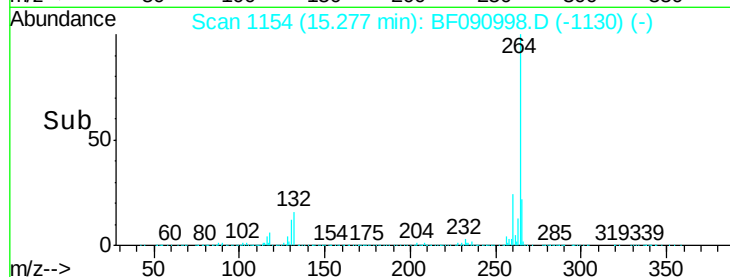
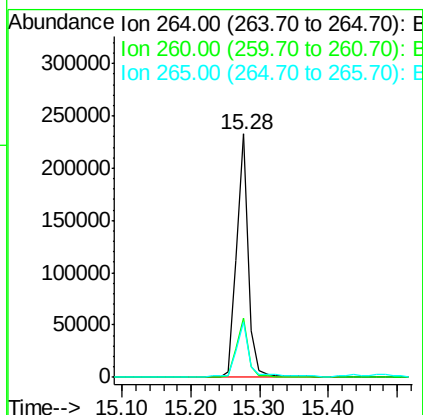
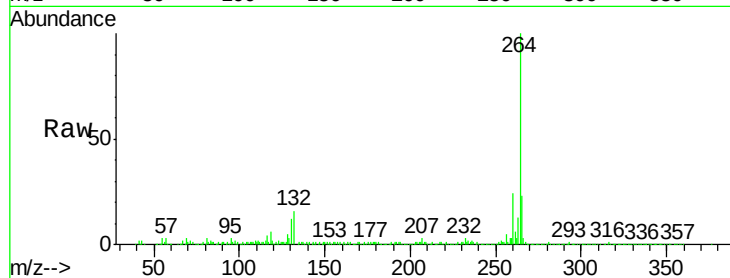




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

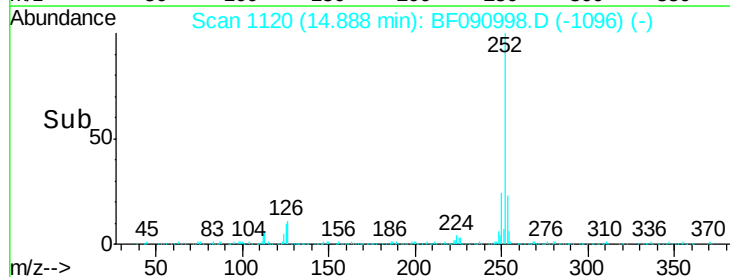
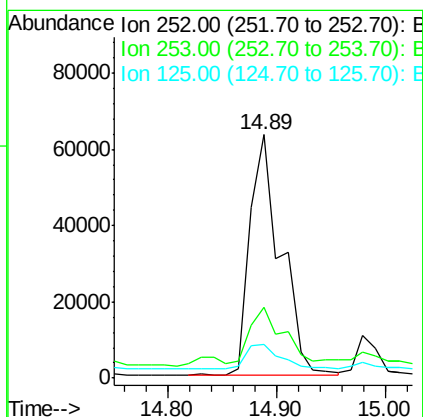
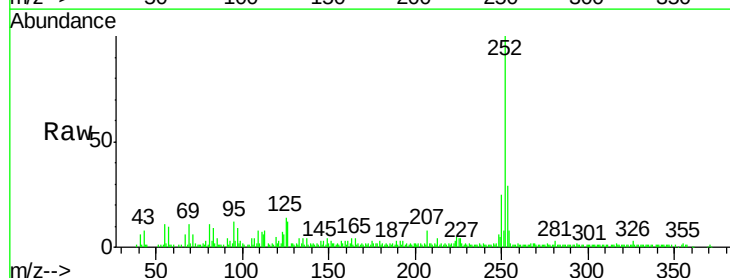
Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

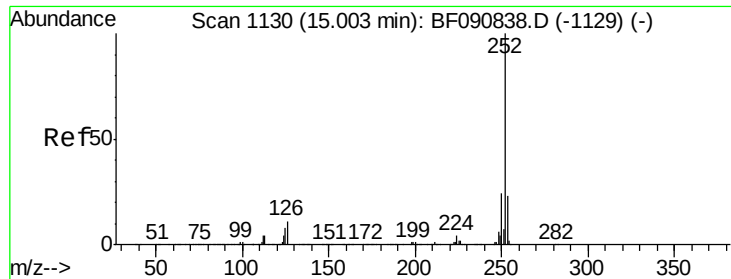
Tgt Ion:264 Resp: 281585
Ion Ratio Lower Upper
264 100
260 24.4 16.7 25.1
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.64 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion:252 Resp: 125719
Ion Ratio Lower Upper
252 100
253 29.1 17.5 26.3#
125 13.9 17.1 25.7#

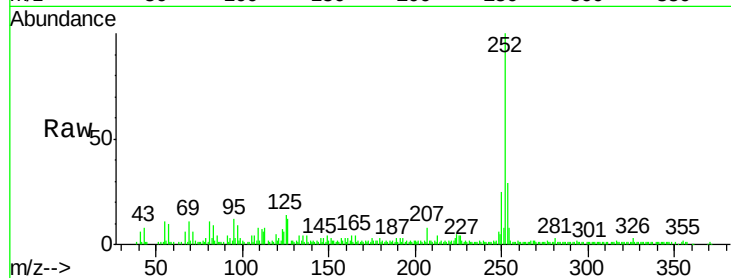




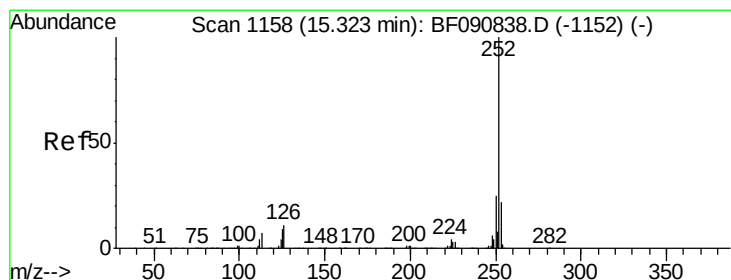
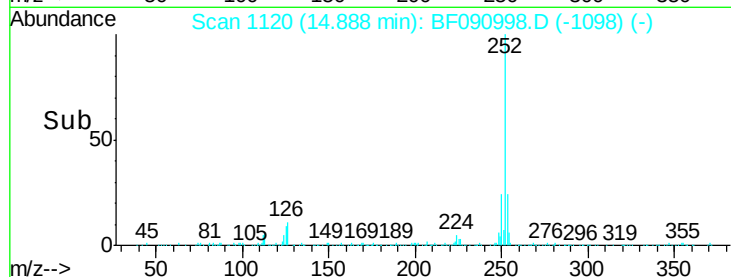
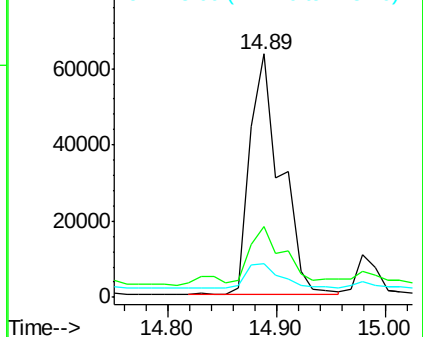
#88
Benzo(k)fluoranthene
Concen: 8.40 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.05 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tgt Ion:252 Resp: 125719
Ion Ratio Lower Upper
252 100
253 29.1 17.0 25.4#
125 13.9 16.0 24.0#

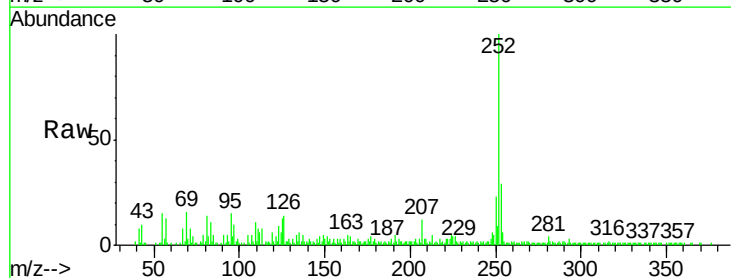


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 3.75 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion:252 Resp: 60978
Ion Ratio Lower Upper
252 100
253 28.8 17.2 25.8#
125 12.7 18.0 27.0#



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

