

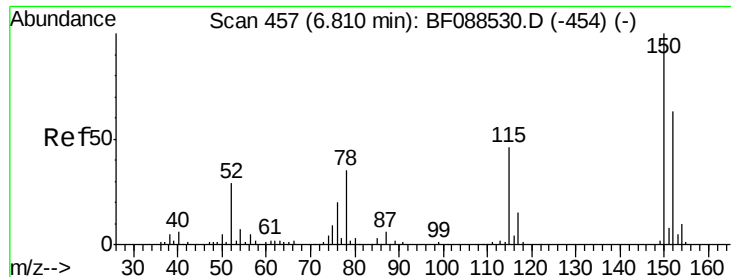
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089108.D
 Acq On : 19 Jul 2016 5:06
 Operator : UM/SJ
 Sample : H4048-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Quant Time: Jul 19 05:46:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 03:29:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	52748	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	208076	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	79878	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	138223	20.00	ng	0.00
75) Chrysene-d12	13.78	240	104077	20.00	ng	0.01
86) Perylene-d12	15.13	264	79321	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	287980	81.82	ng	0.01
7) Phenol-d6	6.30	99	334442	73.54	ng	0.00
23) Nitrobenzene-d5	7.21	82	246523	62.09	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	53410	72.01	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	366592	72.49	ng	0.00
78) Terphenyl-d14	12.73	244	268068	57.37	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	199640	35.08	ng	99
70) Phenanthrene	11.18	178	163477	21.64	ng	98
71) Anthracene	11.22	178	42556	5.66	ng	98
74) Fluoranthene	12.35	202	253227	33.06	ng	97
77) Pyrene	12.58	202	224766	25.47	ng	99
79) Butylbenzylphthalate	13.21	149	33286	8.46	ng	# 82
80) Benzo(a)anthracene	13.77	228	107687	16.07	ng	98
82) Chrysene	13.81	228	80056m	12.07	ng	
83) Bis(2-ethylhexyl)phthalate	13.78	149	9921	2.21	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.39	276	36010	7.06	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	86471m	17.38	ng	
88) Benzo(k)fluoranthene	14.78	252	36450m	8.41	ng	
89) Benzo(a)pyrene	15.09	252	63970m	15.18	ng	
90) Dibenzo(a,h)anthracene	16.40	278	11484m	3.26	ng	
91) Benzo(a,h,i)perylene	16.77	276	33528	9.21	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

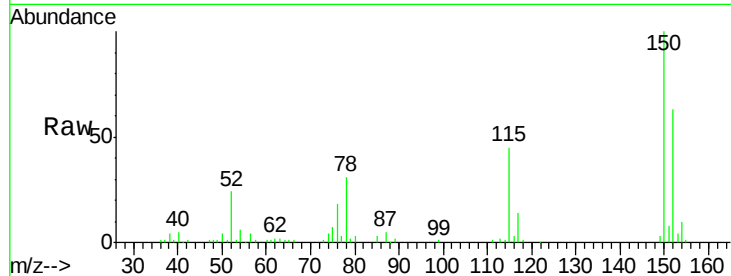
Tot Ion:152 Resp: 52748

Ion Ratio Lower Upper

152 100

150 158.7 123.8 185.6

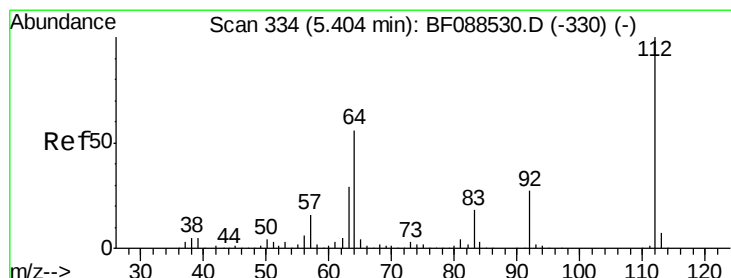
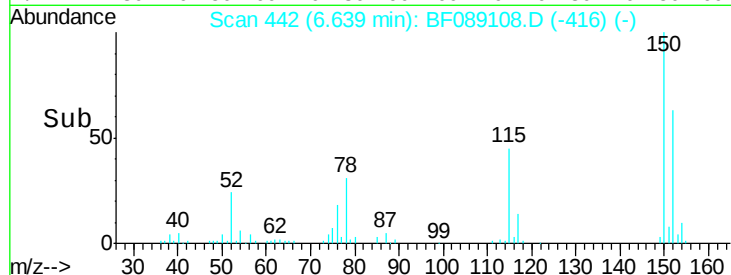
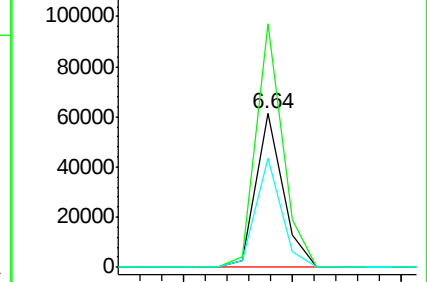
115 71.3 39.6 59.4#



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: 81.82 ng

RT: 5.23 min Scan# 319

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

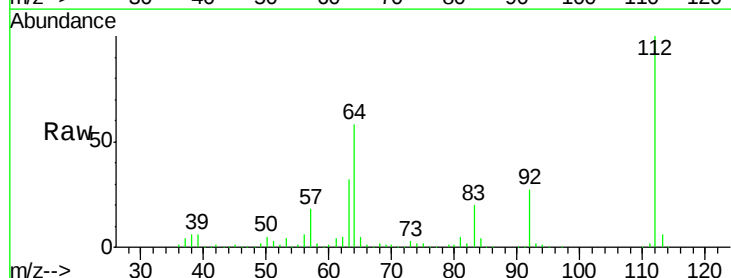
Tgt Ion:112 Resp: 287980

Ion Ratio Lower Upper

112 100

64 58.0 42.2 63.2

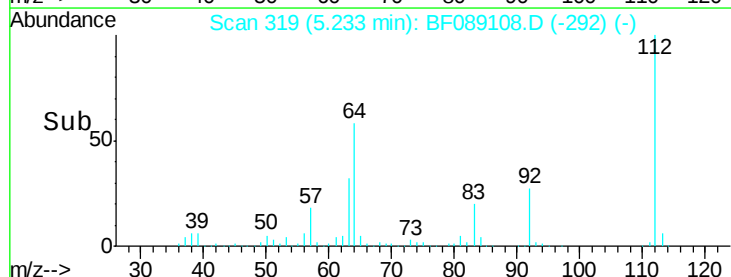
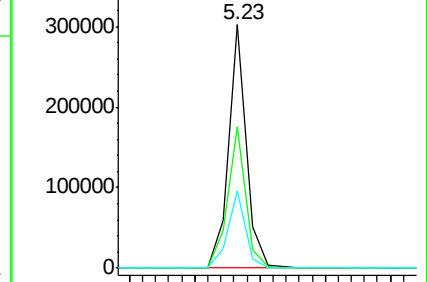
63 31.6 21.8 32.8



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: 73.54 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

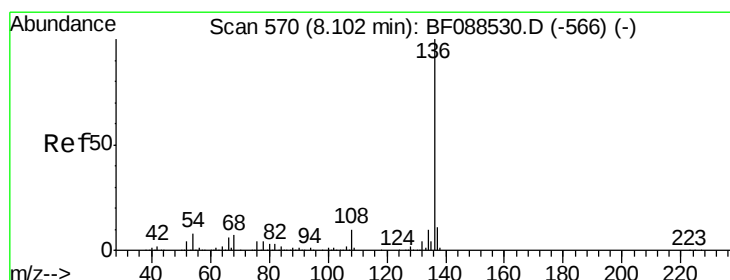
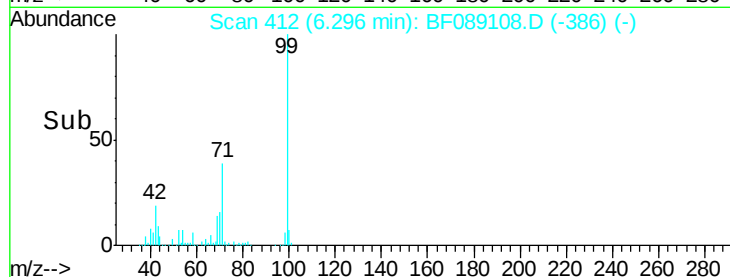
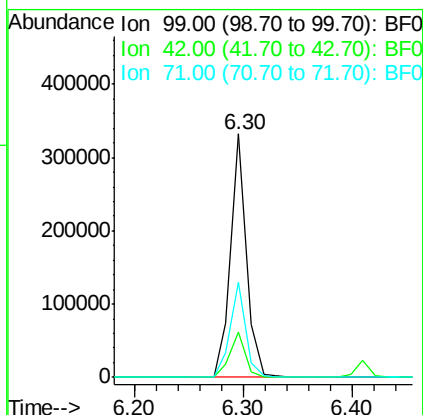
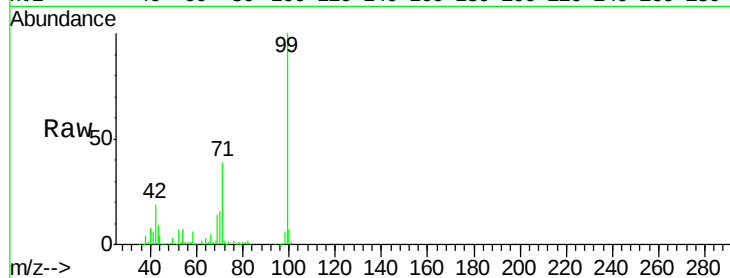
Tot Ion: 99 Resp: 334442

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 38.9 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Tgt Ion: 136 Resp: 208076

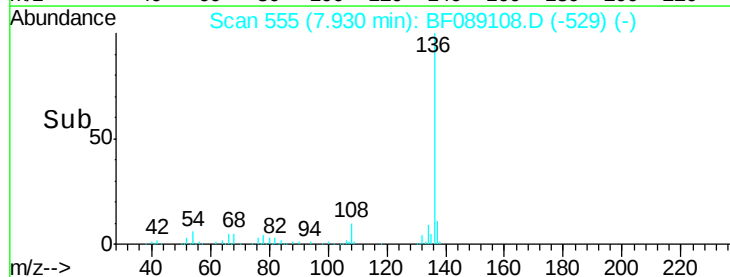
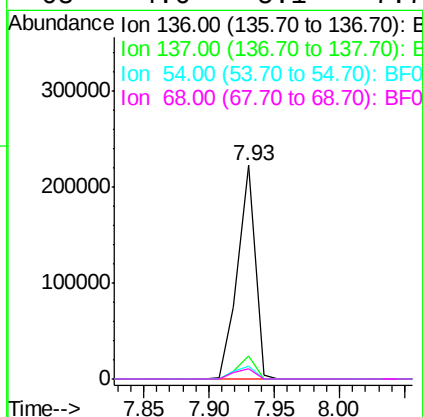
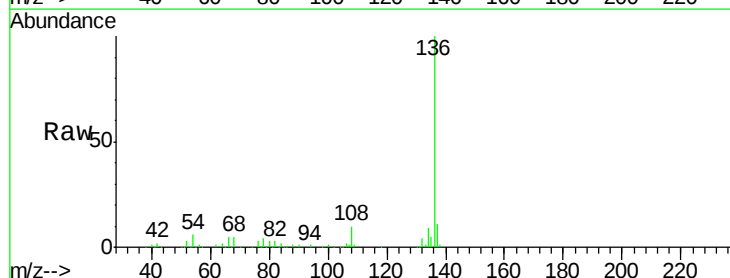
Ion Ratio Lower Upper

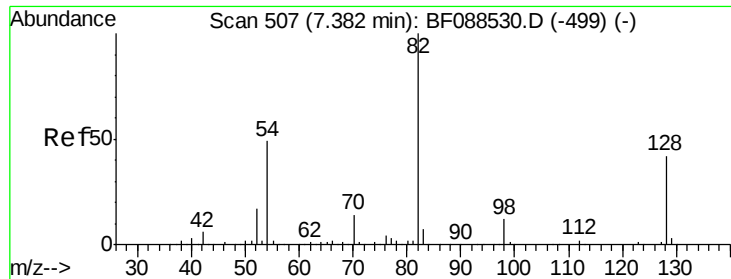
136 100

137 10.8 9.1 13.7

54 5.9 6.6 10.0#

68 4.6 5.1 7.7#

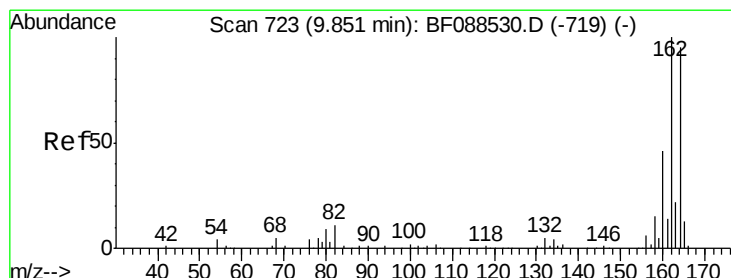
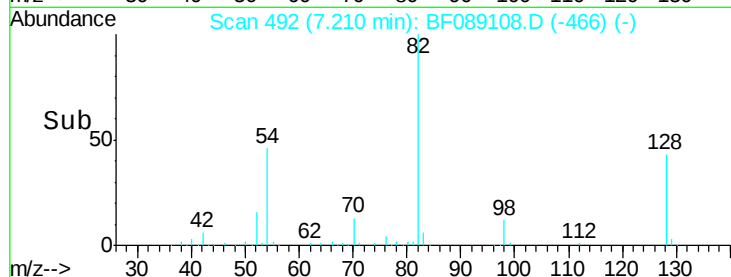
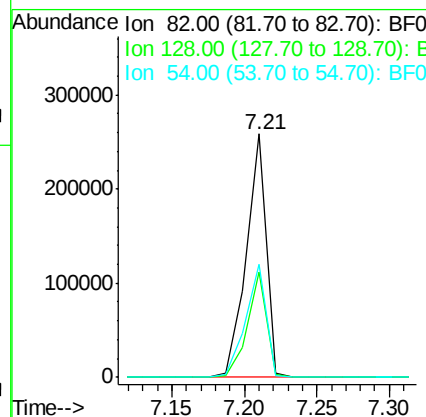
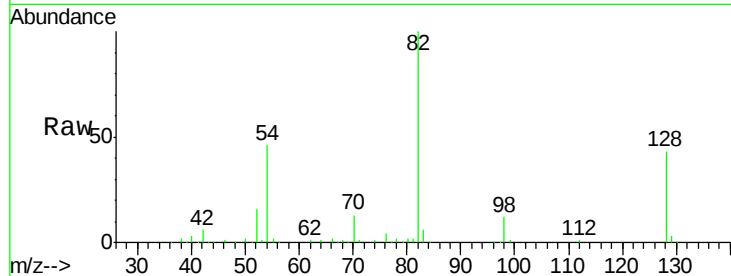




#23
 Nitrobenzene-d5
 Concen: 62.09 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

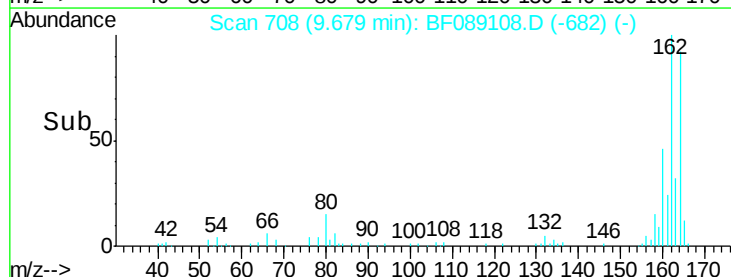
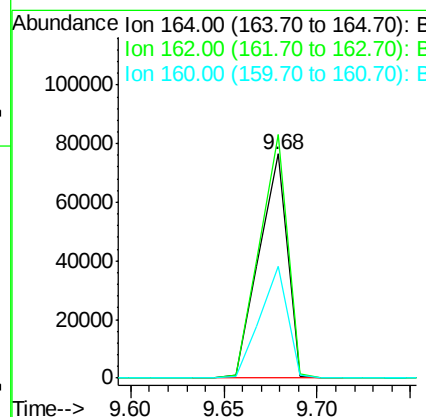
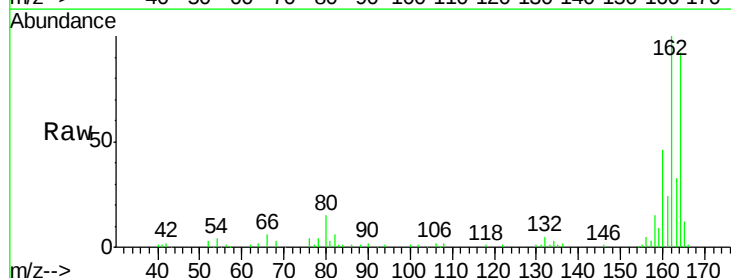
Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

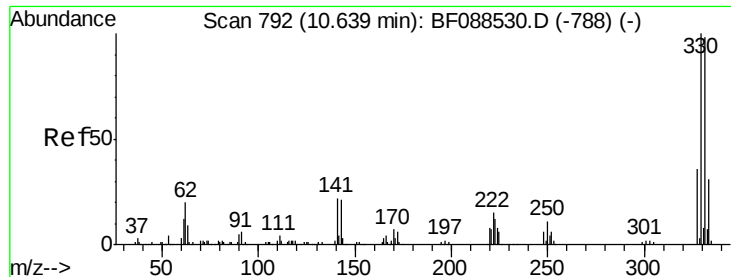
Tot Ion	82	Resp	246523
Ion Ratio	Lower	Upper	
82	100		
128	43.0	35.9	53.9
54	46.4	40.9	61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Tgt Ion	164	Resp	79878
Ion Ratio	Lower	Upper	
164	100		
162	108.6	85.4	128.2
160	49.7	39.5	59.3

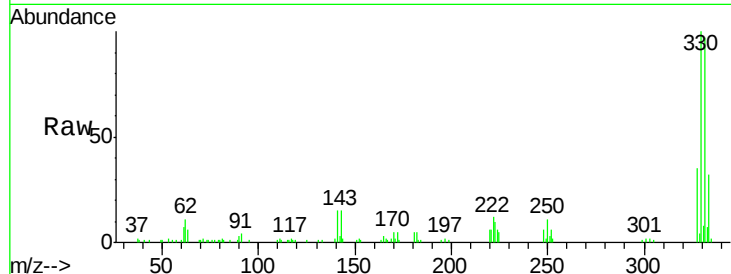




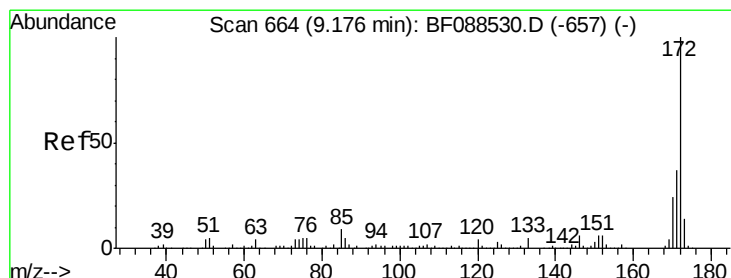
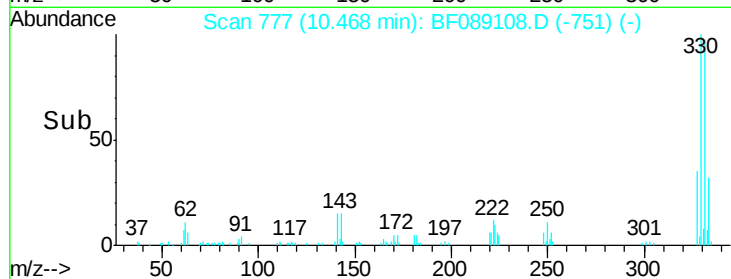
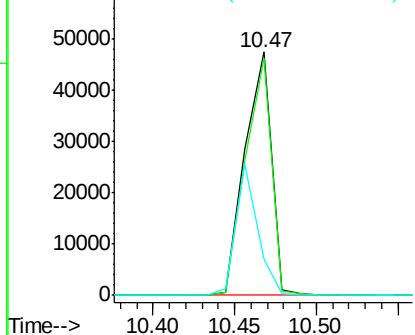
#41
 2,4,6-Tribromophenol
 Concen: 72.01 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	44.3	0.0	0.0#

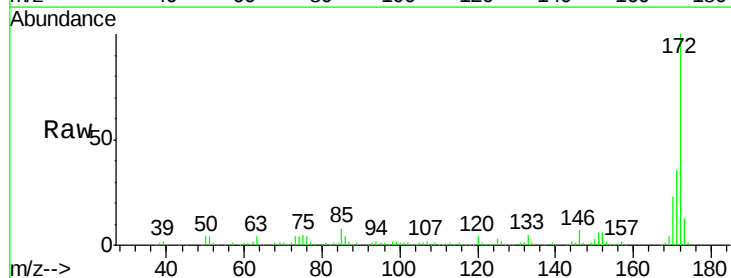


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

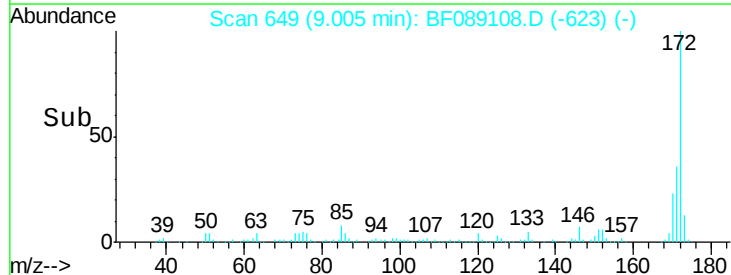
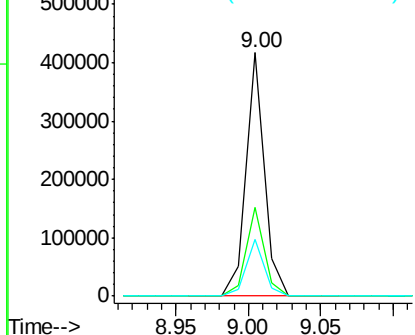


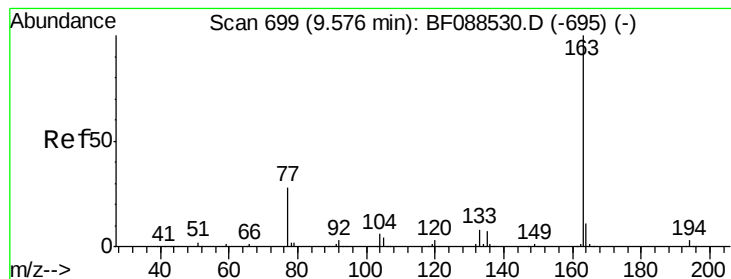
#44
 2-Fluorobiphenyl
 Concen: 72.49 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.2	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 35.08 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

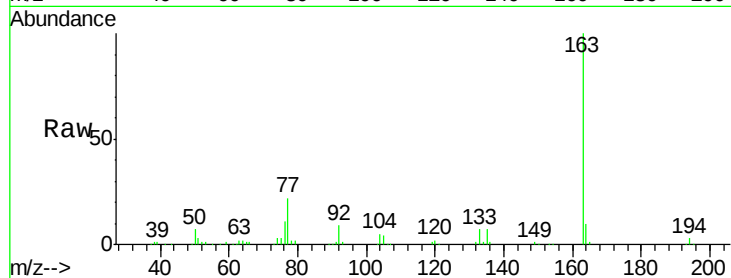
Tot Ion:163 Resp: 199640

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

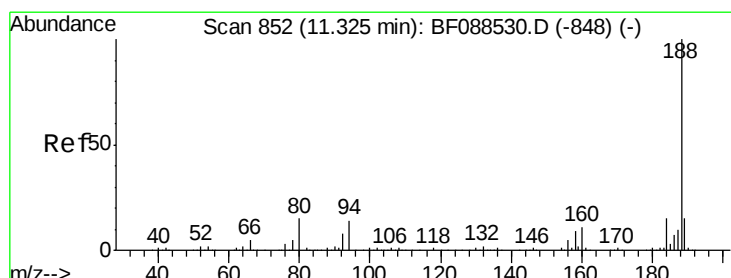
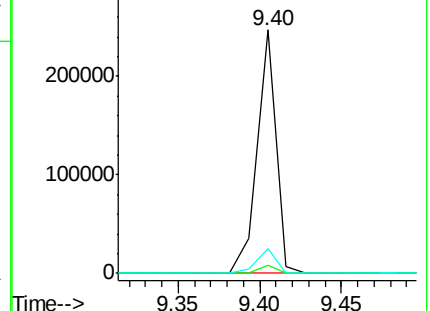
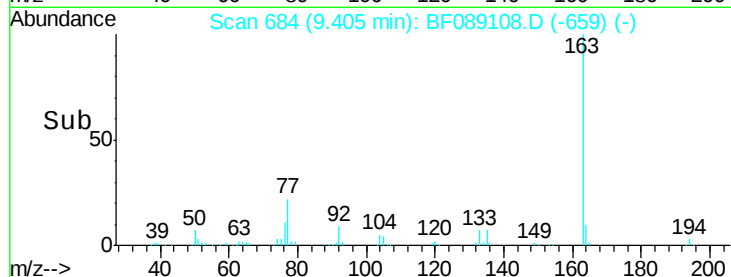
164 10.1 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

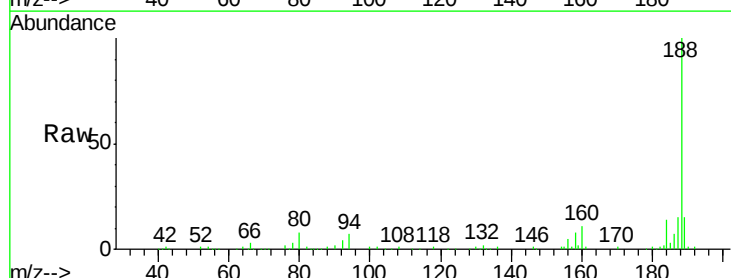
Tgt Ion:188 Resp: 138223

Ion Ratio Lower Upper

188 100

94 7.4 9.0 13.6#

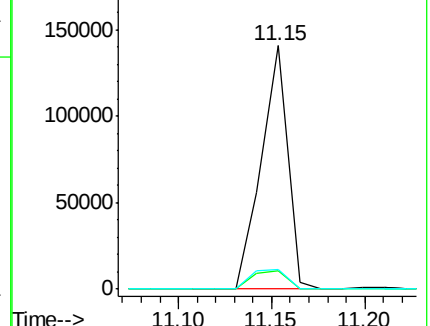
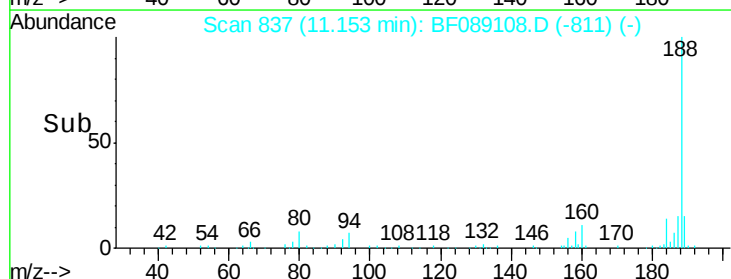
80 7.9 10.0 15.0#

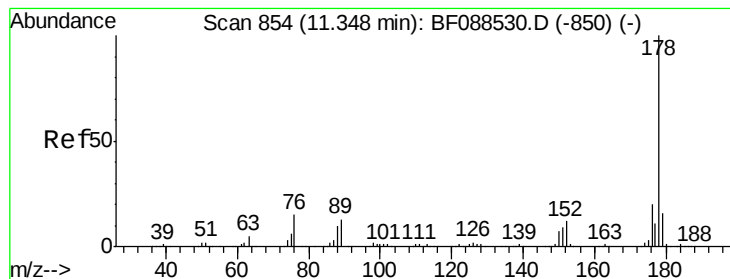


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 21.64 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

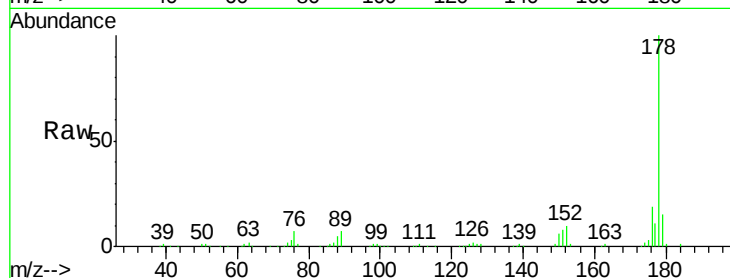
Tot Ion:178 Resp: 163477

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

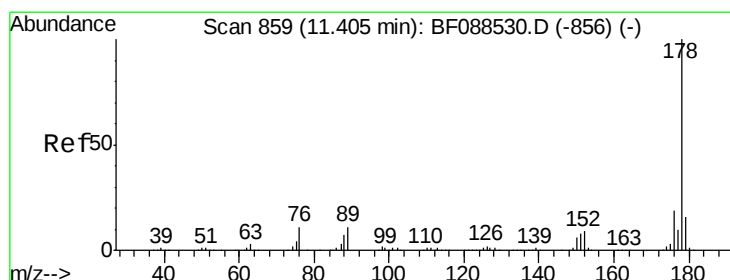
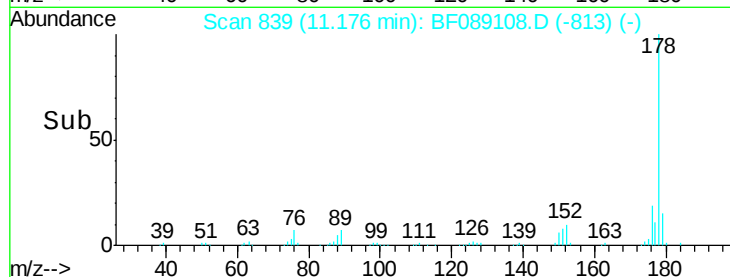
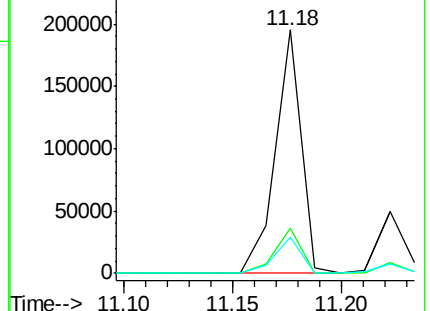
179 14.9 13.0 19.4



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: 5.66 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

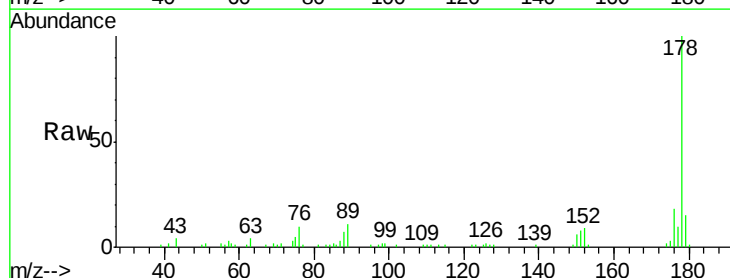
Tgt Ion:178 Resp: 42556

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

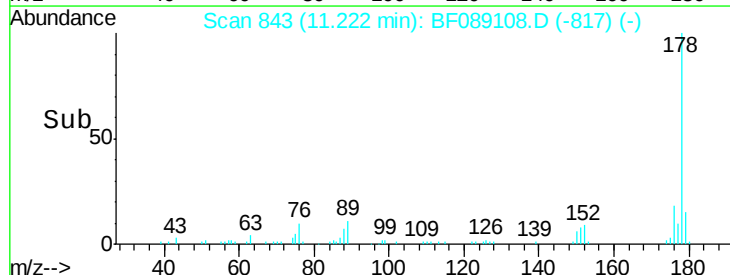
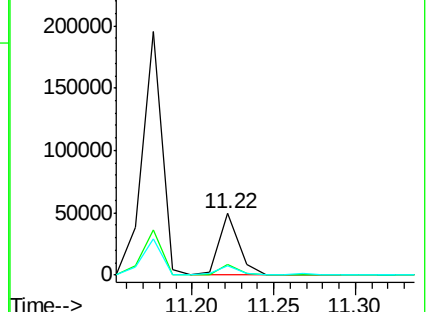
179 15.3 12.8 19.2

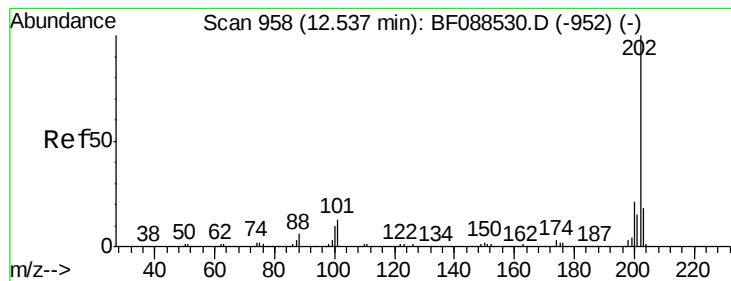


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 33.06 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

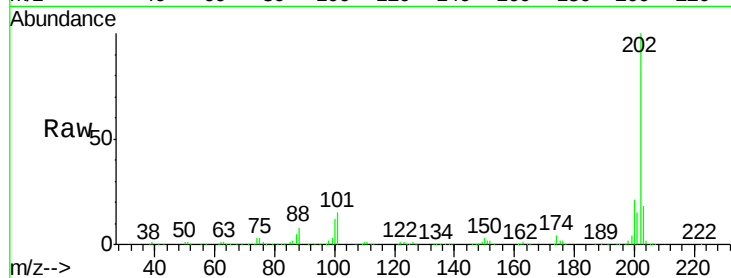
Tot Ion:202 Resp: 253227

Ion Ratio Lower Upper

202 100

101 15.2 0.0 33.1

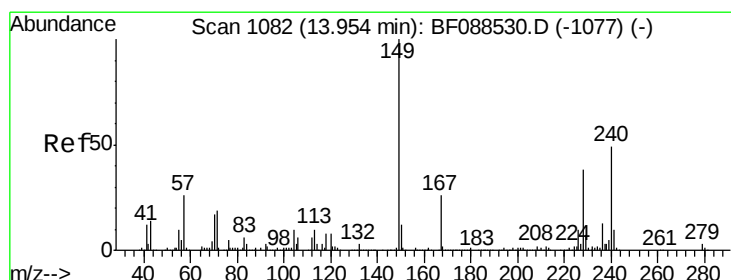
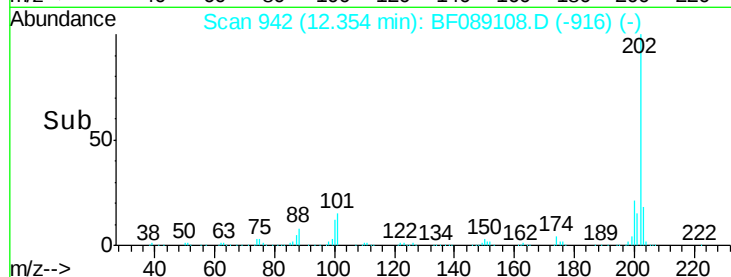
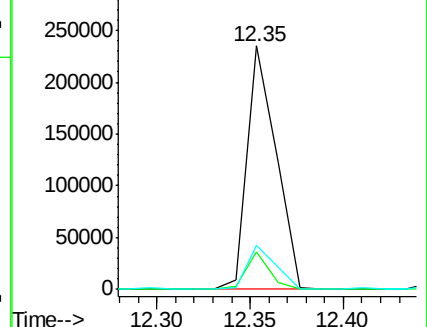
203 17.9 0.0 38.1



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: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

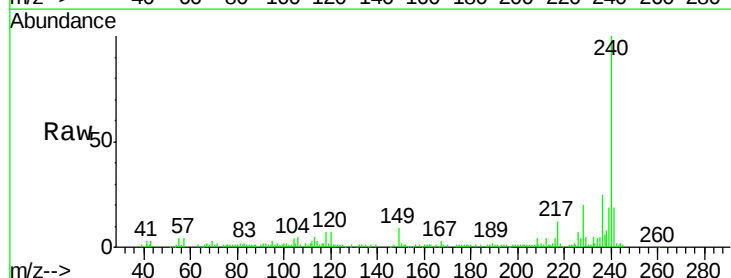
Tgt Ion:240 Resp: 104077

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

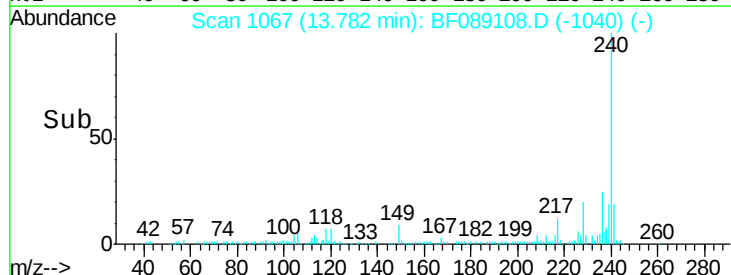
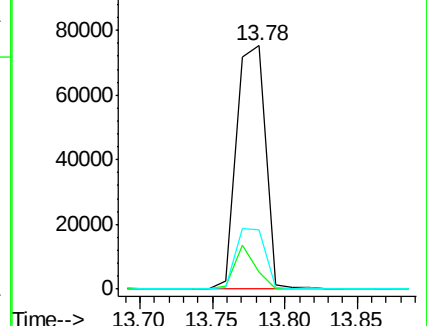
236 24.6 20.2 30.2

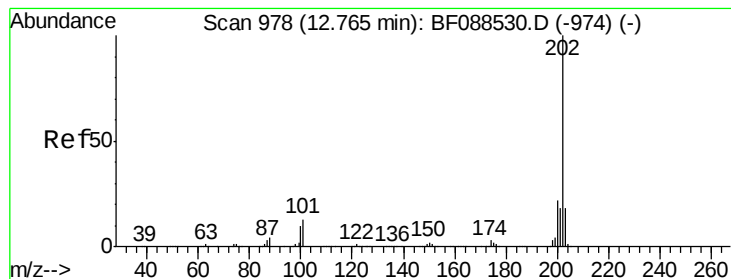


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 25.47 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

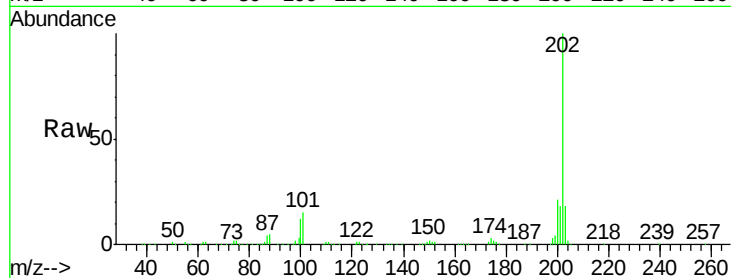
Tot Ion:202 Resp: 224766

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

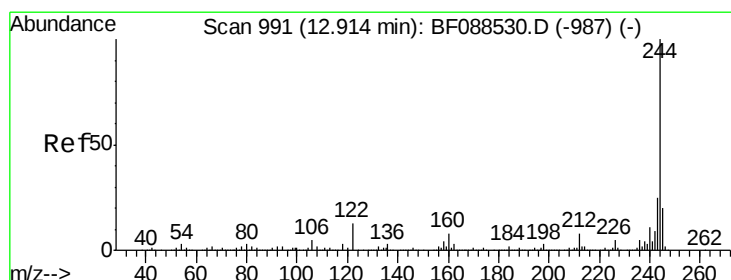
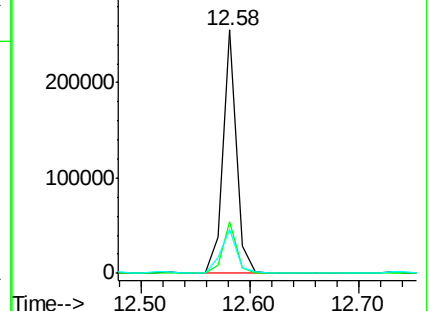
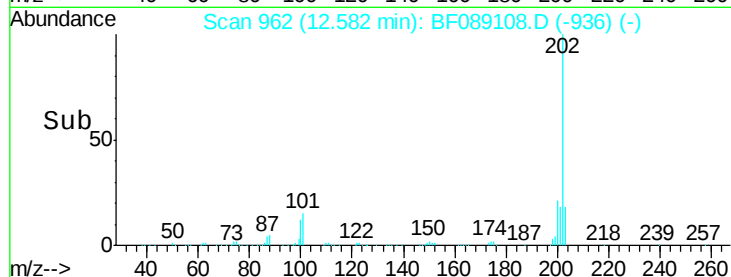
203 18.0 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.37 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

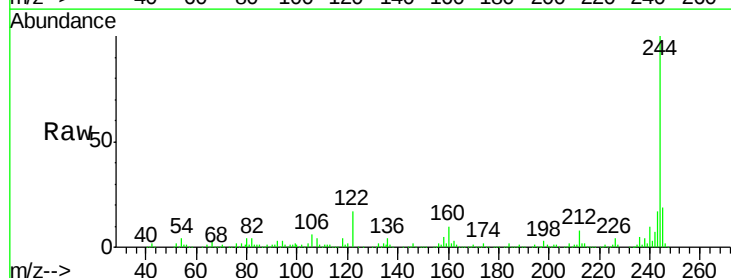
Tgt Ion:244 Resp: 268068

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

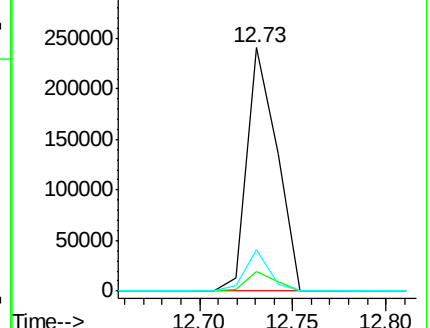
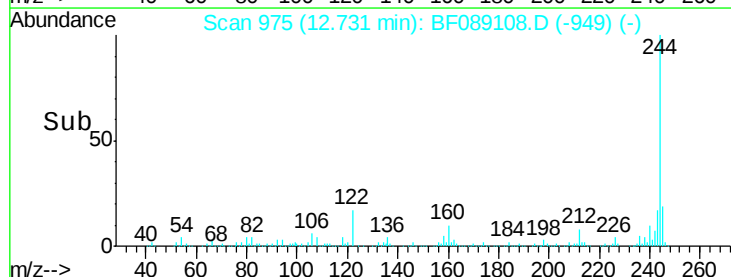
122 16.8 11.2 16.8#

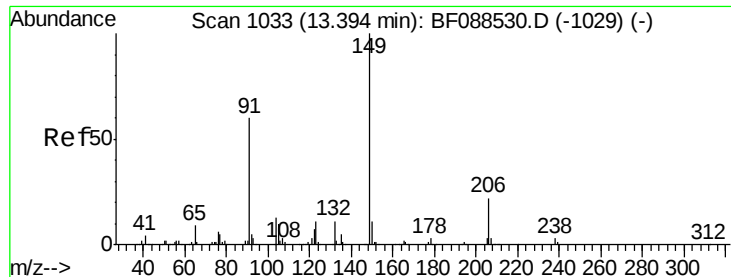


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 8.46 ng

RT: 13.21 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

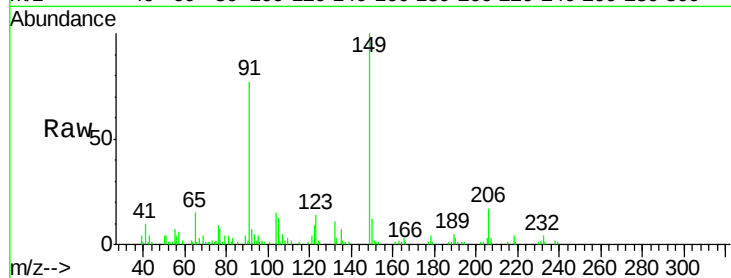
Tot Ion:149 Resp: 33286

Ion Ratio Lower Upper

149 100

91 76.8 48.0 72.0#

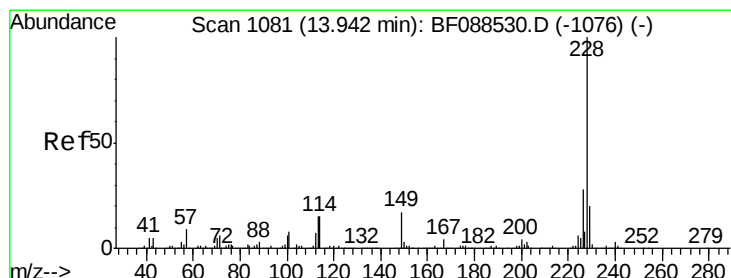
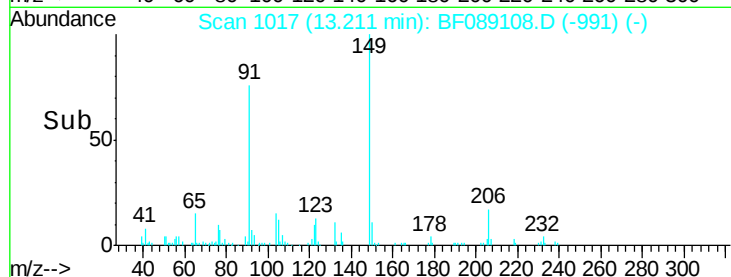
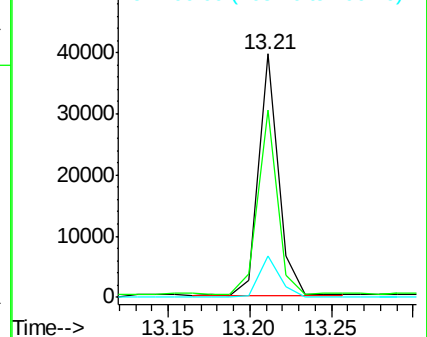
206 16.8 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 16.07 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

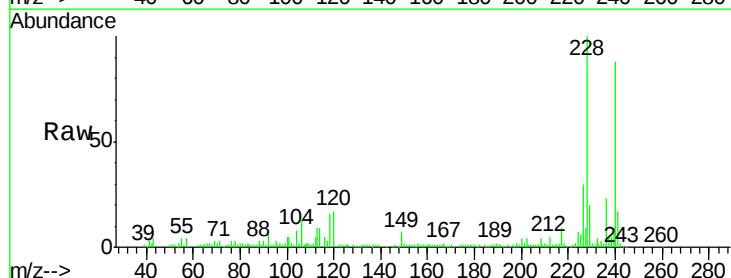
Tgt Ion:228 Resp: 107687

Ion Ratio Lower Upper

228 100

226 29.8 22.3 33.5

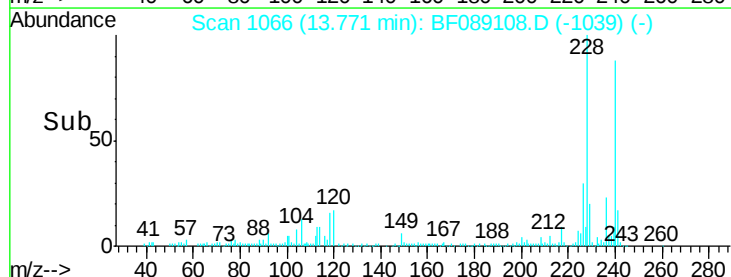
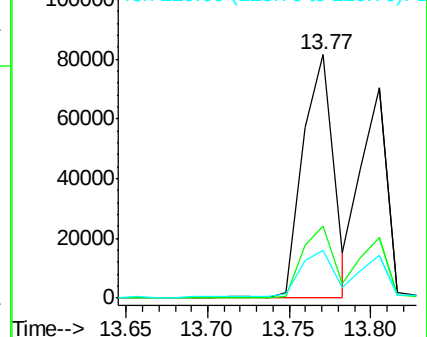
229 19.5 16.0 24.0

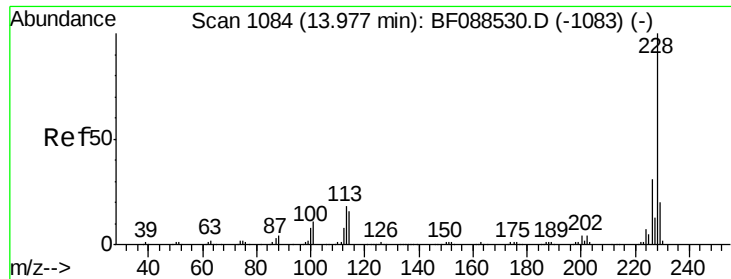


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.07 ng/mL

RT: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

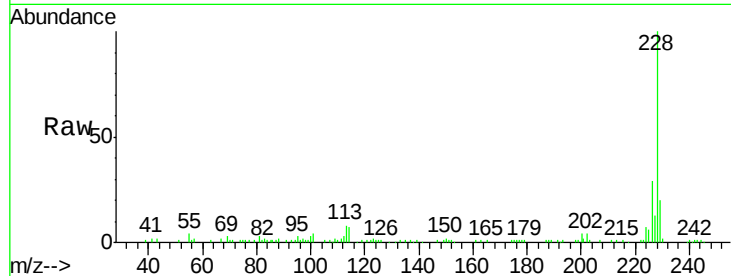
Tot Ion: 228 Resp: 80056

Ion Ratio Lower Upper

228 100

226 28.8 25.4 38.2

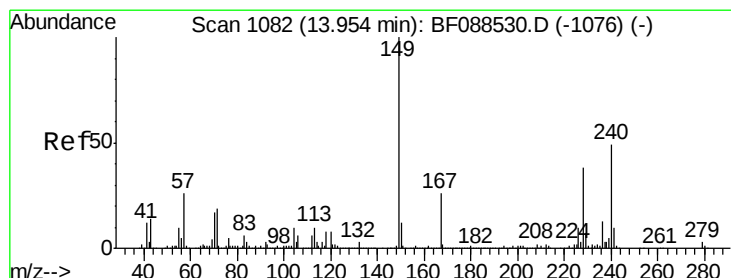
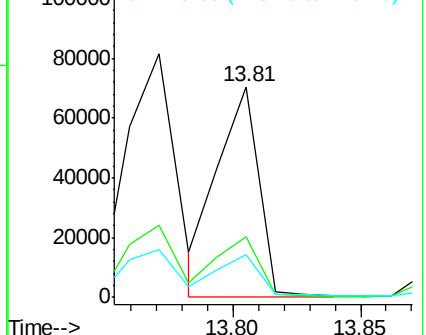
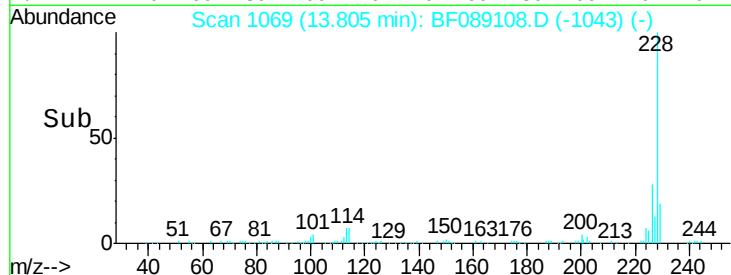
229 20.2 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.21 ng/mL

RT: 13.78 min Scan# 1067

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

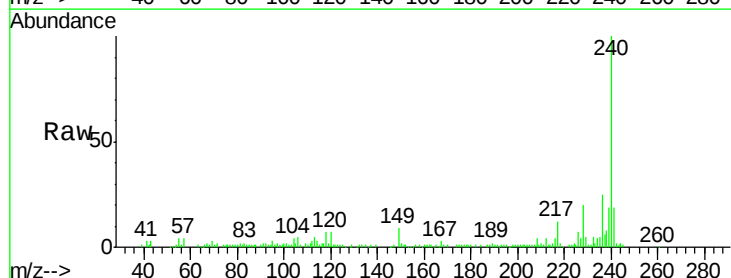
Tgt Ion: 149 Resp: 9921

Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

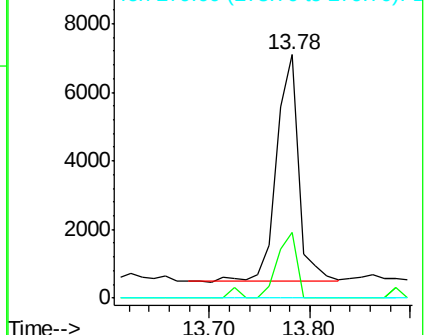
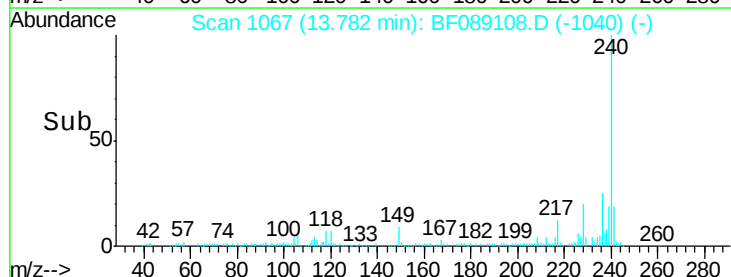
279 0.0 2.0 3.0#

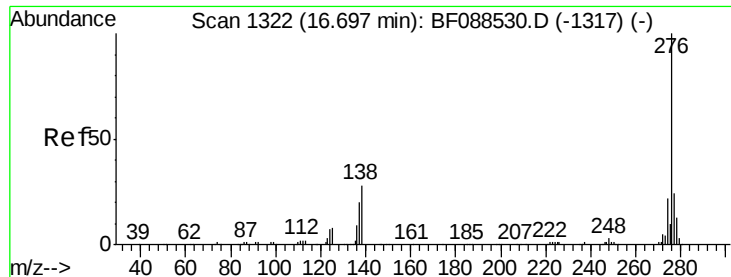


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

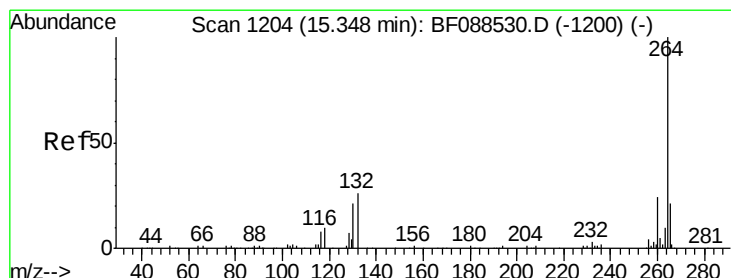
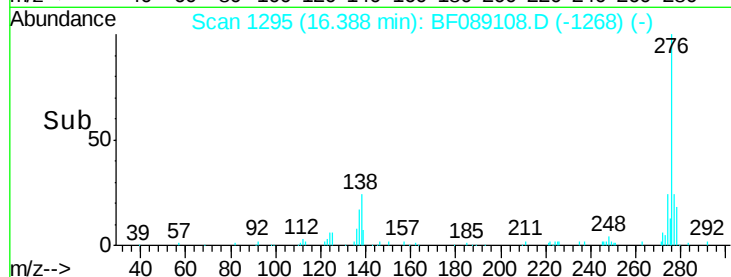
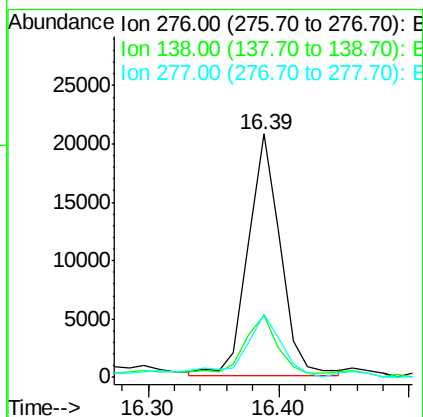
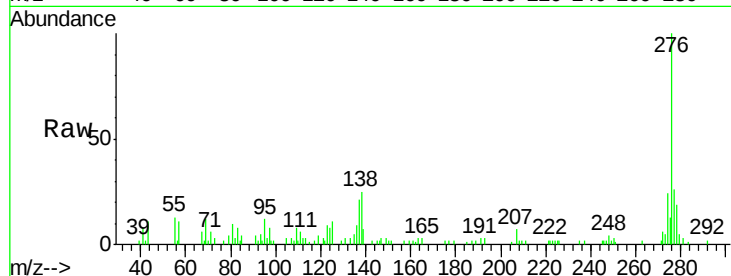




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.06 ng
RT: 16.39 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

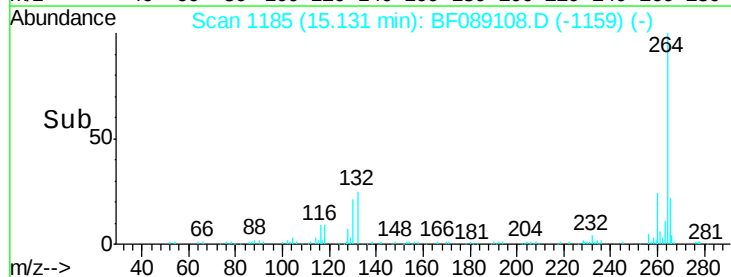
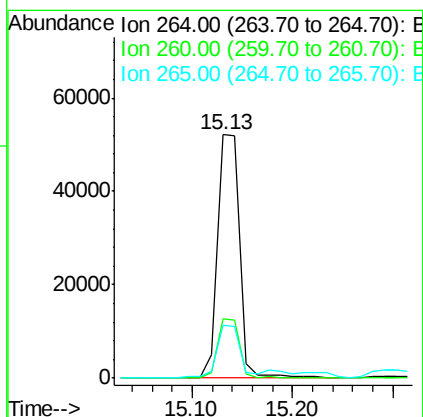
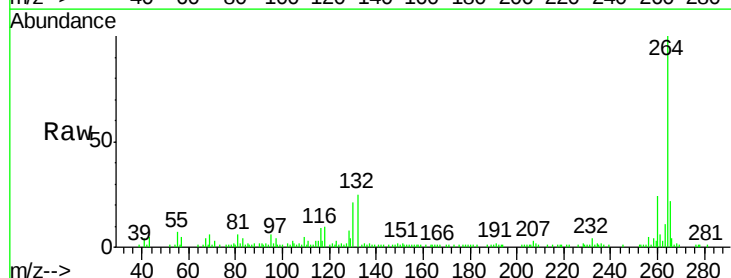
Instrument :
BNA_F
ClientSampleId :
SB-08-COMP

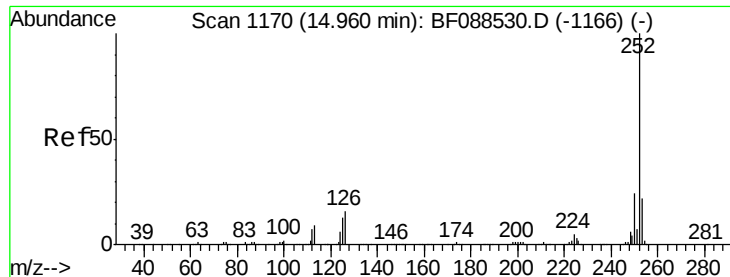
Tot Ion:276 Resp: 36010
Ion Ratio Lower Upper
276 100
138 26.7 0.0 0.0#
277 33.7 0.0 0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF089108.D
Acq: 19 Jul 2016 5:06

Tgt Ion:264 Resp: 79321
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.7 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 17.38 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

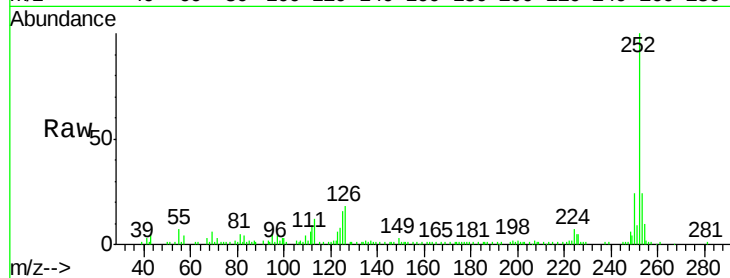
Tot Ion:252 Resp: 86471

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

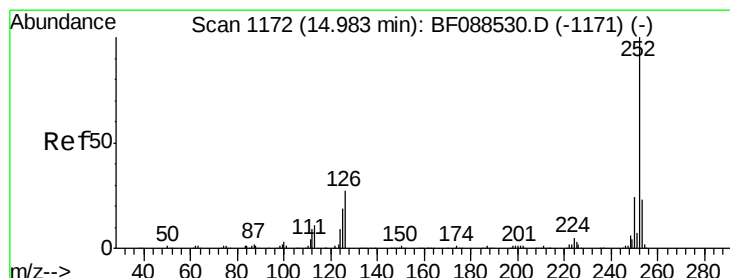
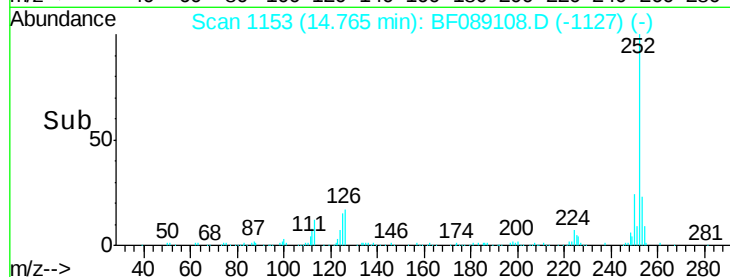
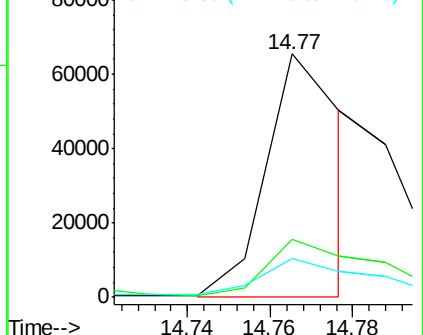
125 16.1 7.1 10.7#



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



#88

Benzo(k)fluoranthene

Concen: 8.41 ng m

RT: 14.78 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

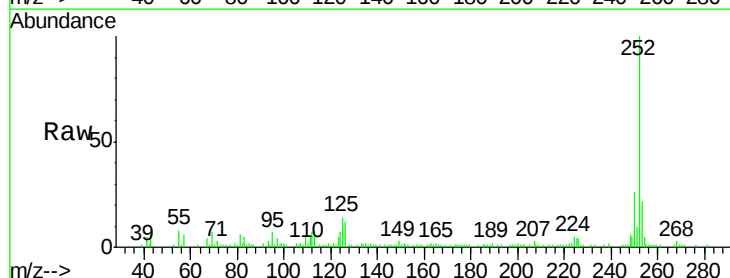
Tgt Ion:252 Resp: 36450

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

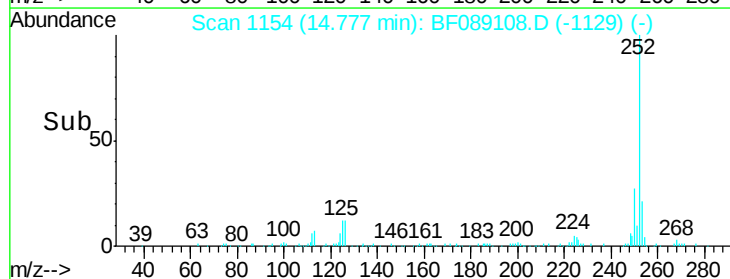
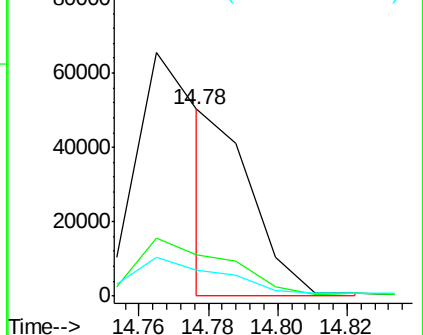
125 13.7 11.2 16.8

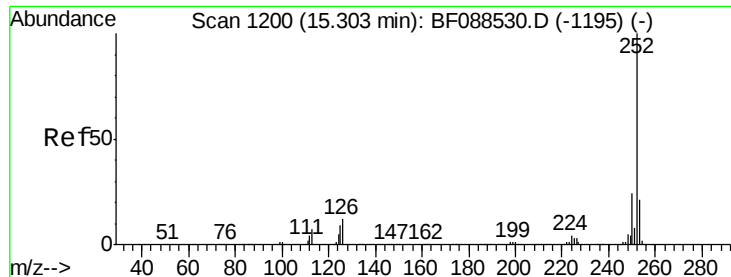


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.18 ng m

RT: 15.09 min Scan# 1181

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

Instrument :

BNA_F

ClientSampleId :

SB-08-COMP

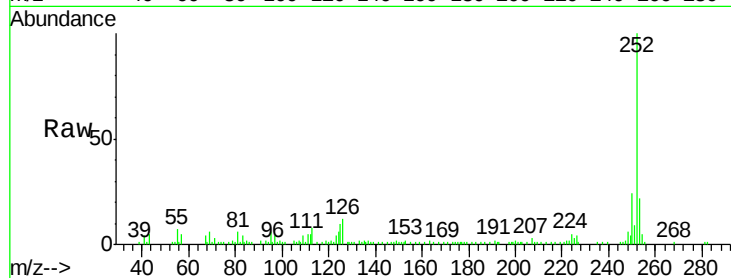
Tot Ion:252 Resp: 63970

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

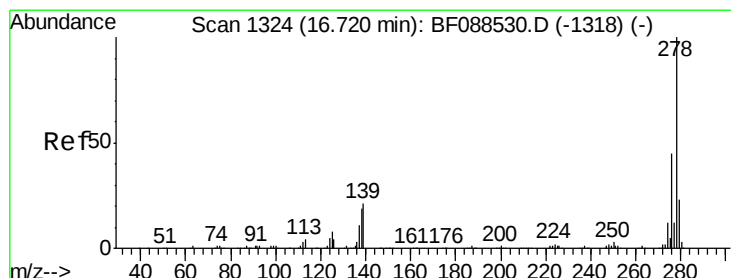
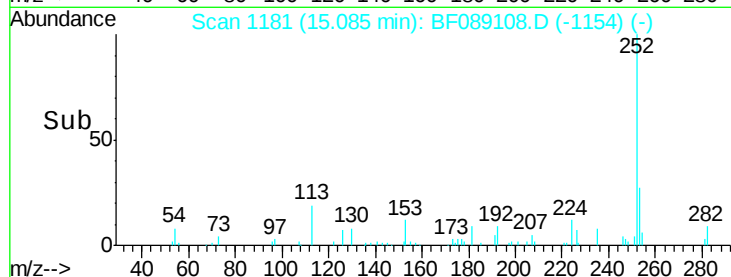
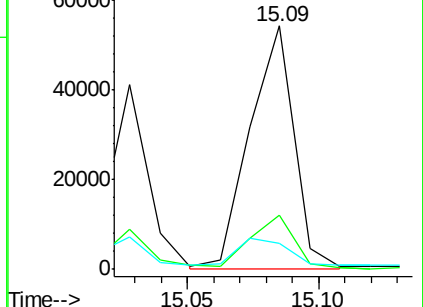
125 10.5 12.5 18.7#



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



#90

Dibenzo(a,h)anthracene

Concen: 3.26 ng m

RT: 16.40 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF089108.D

Acq: 19 Jul 2016 5:06

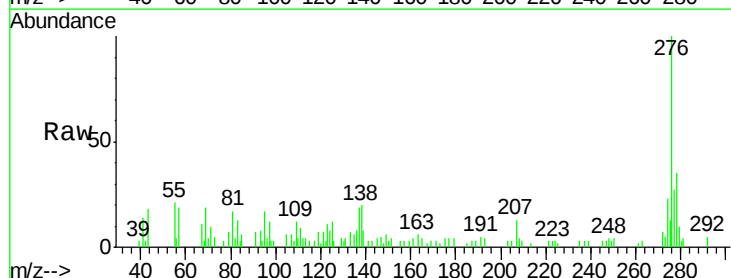
Tgt Ion:278 Resp: 11484

Ion Ratio Lower Upper

278 100

139 23.7 15.7 23.5#

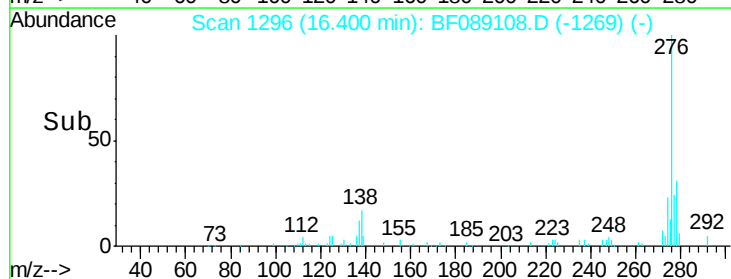
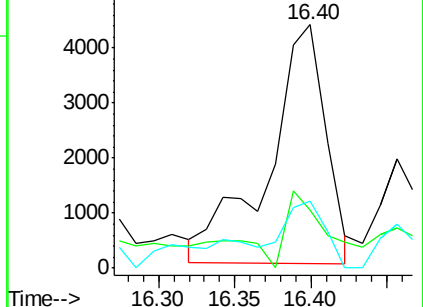
279 27.5 19.4 29.2

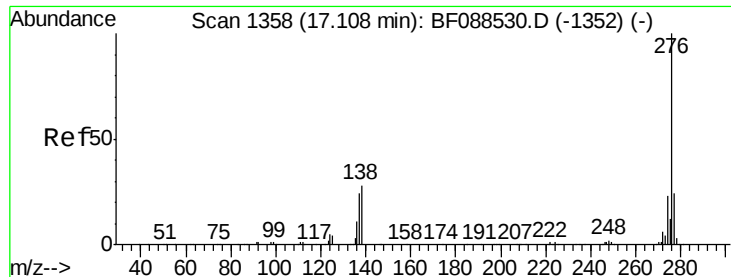


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

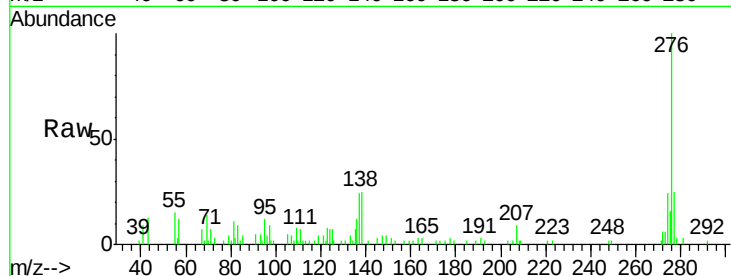




#91
 Benzo(a,h,i)perylene
 Concen: 9.21 ng
 RT: 16.77 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF089108.D
 Acq: 19 Jul 2016 5:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	24.6	21.4	32.2



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

