

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089080.D
 Acq On : 17 Jul 2016 16:12
 Operator : UM/SJ
 Sample : H4046-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C5-2

Quant Time: Jul 18 03:52:30 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

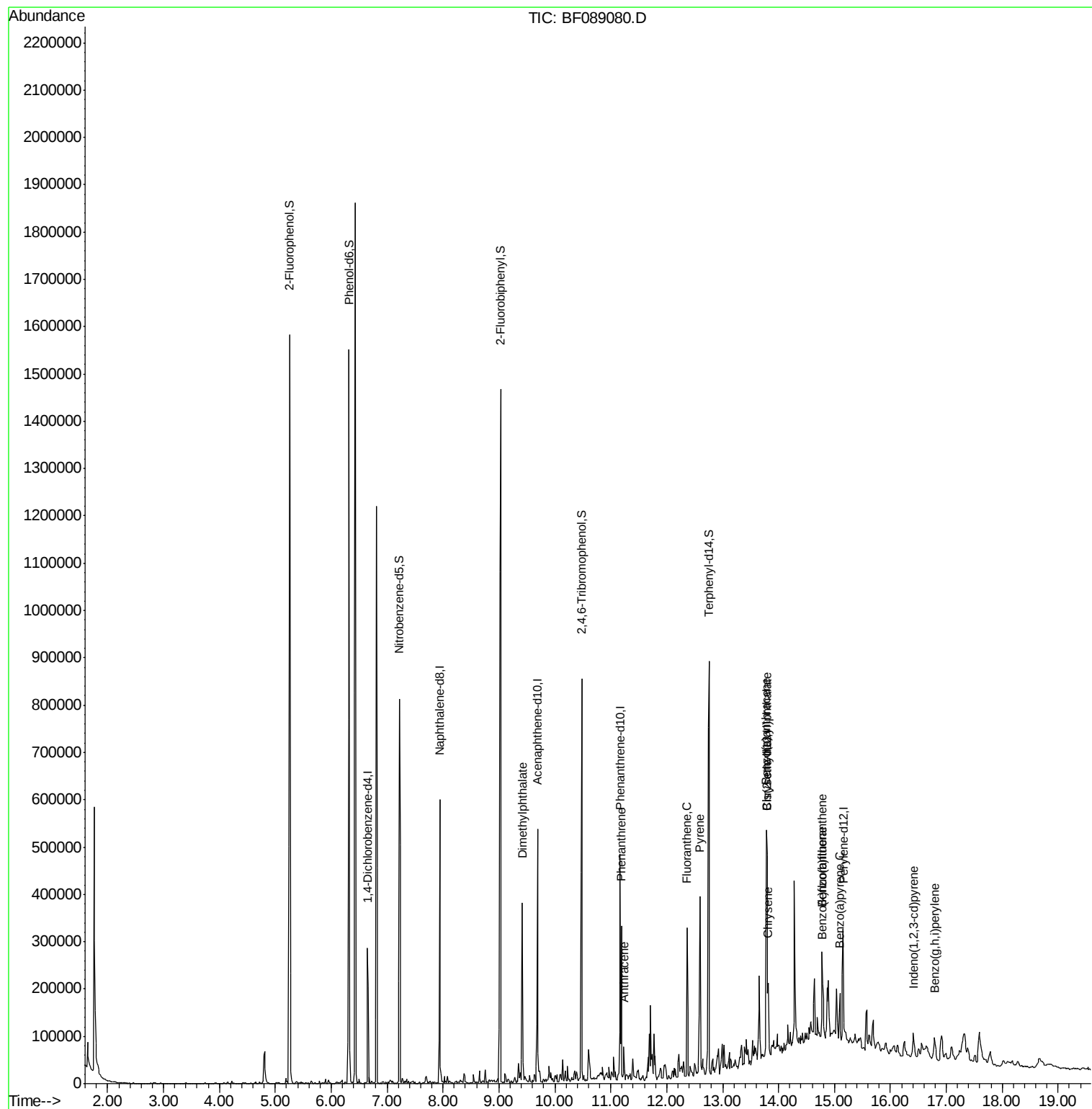
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	53908	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	230265	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	97580	20.00	ng	-0.06
63) Phenanthrene-d10	11.16	188	153767	20.00	ng	-0.06
75) Chrysene-d12	13.79	240	109241	20.00	ng	-0.06
86) Perylene-d12	15.15	264	97396	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	452473	125.79	ng	-0.03
7) Phenol-d6	6.32	99	596760	128.40	ng	-0.03
23) Nitrobenzene-d5	7.22	82	369080	84.00	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	92387	101.96	ng	-0.06
44) 2-Fluorobiphenyl	9.03	172	622873	100.83	ng	-0.05
78) Terphenyl-d14	12.75	244	355717	72.53	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.42	163	129642	18.65	ng	99
70) Phenanthrene	11.19	178	108113	12.86	ng	98
71) Anthracene	11.23	178	24785	2.97	ng	98
74) Fluoranthene	12.37	202	129231	15.17	ng	97
77) Pyrene	12.59	202	139699	15.08	ng	98
80) Benzo(a)anthracene	13.78	228	69471	9.88	ng	95
82) Chrysene	13.82	228	71614	10.29	ng	97
83) Bis(2-ethylhexyl)phthalate	13.79	149	54782	11.61	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.41	276	22559	4.21	ng	# 100
87) Benzo(b)fluoranthene	14.78	252	76103m	12.46	ng	
88) Benzo(k)fluoranthene	14.79	252	28092m	5.28	ng	
89) Benzo(a)pyrene	15.10	252	40534m	7.84	ng	
91) Benzo(a,h,i)perylene	16.79	276	21184	4.74	ng	98

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

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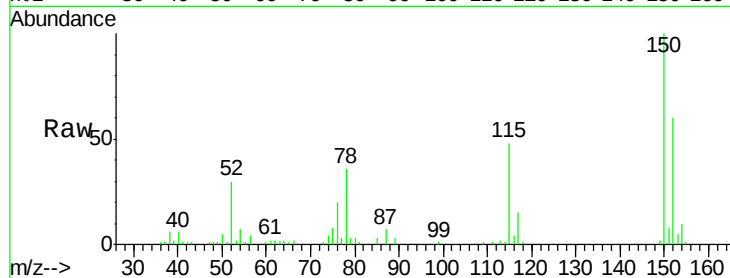


#1

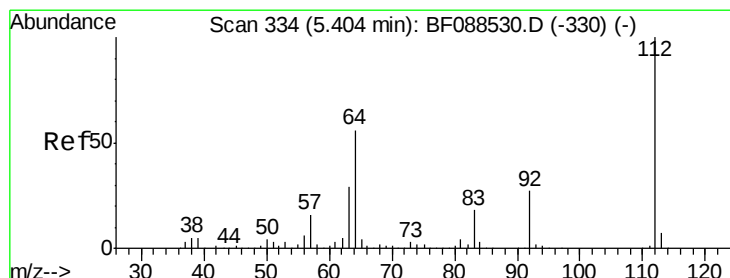
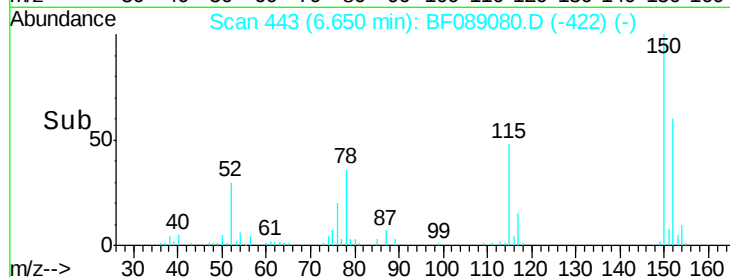
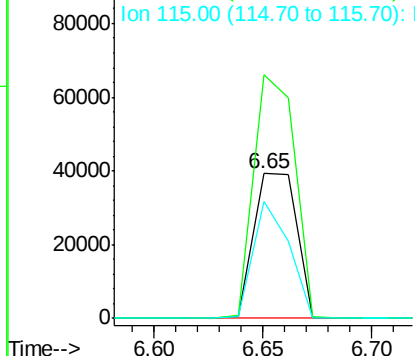
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Instrument :
BNA_F
ClientSampled :
C5-2

Tot Ion:152 Resp: 53908
Ion Ratio Lower Upper
152 100
150 168.1 123.8 185.6
115 80.6 39.6 59.4#



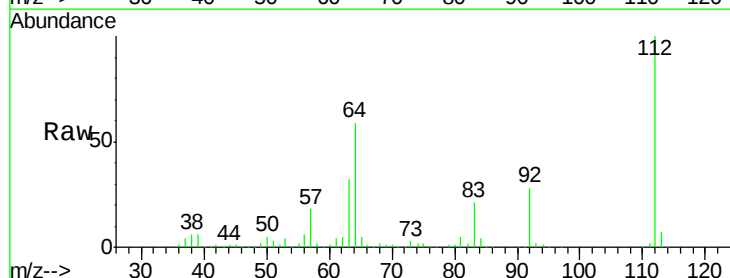
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



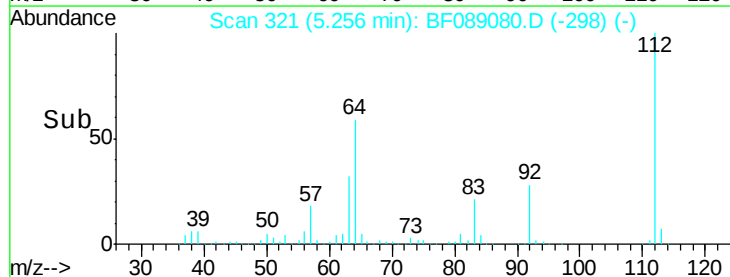
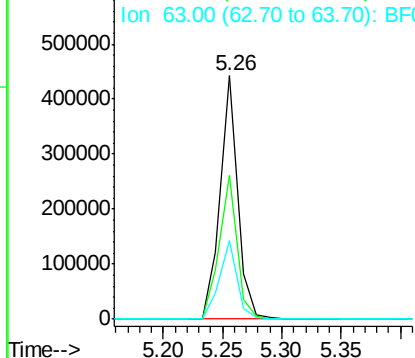
#5

2-Fluorophenol
Concen: 125.79 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:112 Resp: 452473
Ion Ratio Lower Upper
112 100
64 59.0 42.2 63.2
63 32.2 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: 128.40 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

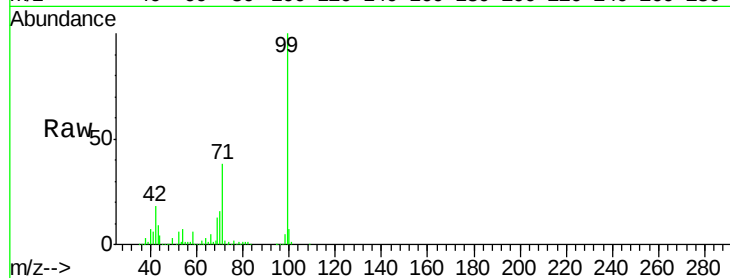
Tot Ion: 99 Resp: 596760

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

71 38.4 23.4 35.0#



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

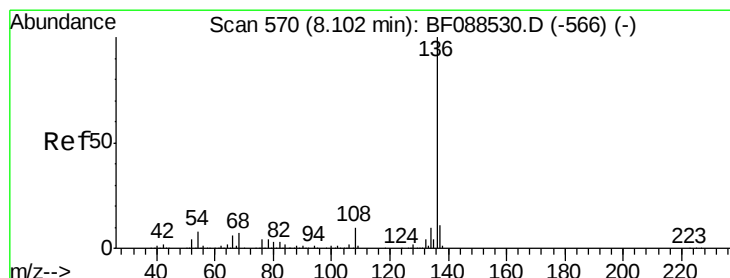
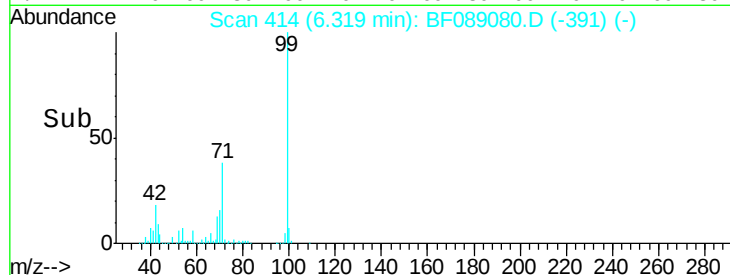
6.32

400000

200000

0

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Tgt Ion: 136 Resp: 230265

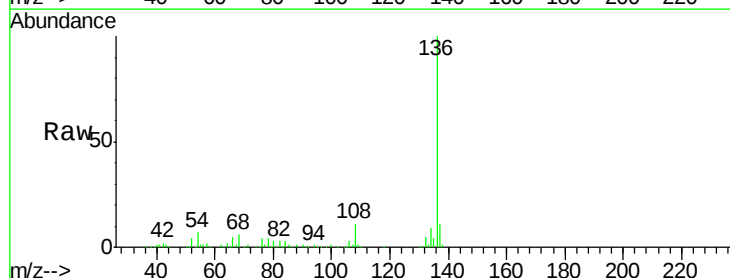
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.2 6.6 10.0

68 5.7 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

7.94

400000

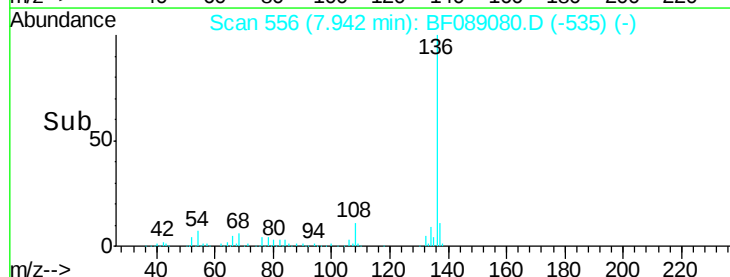
300000

200000

100000

0

Time-->

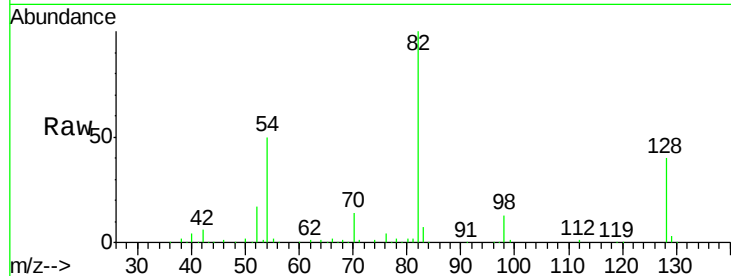




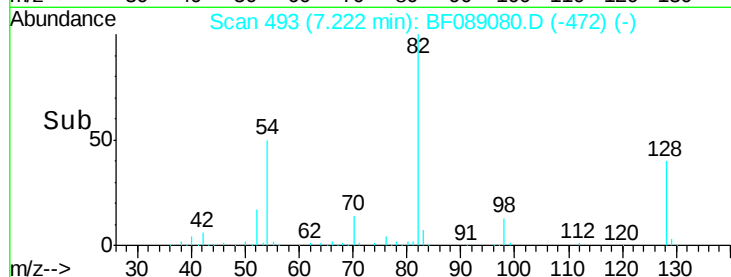
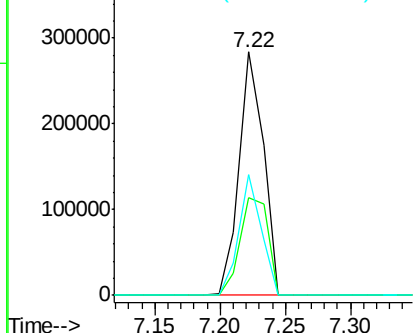
#23
 Nitrobenzene-d5
 Concen: 84.00 ng
 RT: 7.22 min Scan# 493
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Instrument :
 BNA_F
 ClientSampled :
 C5-2

Tot Ion	82	Resp	369080
Ion Ratio	100	Lower	Upper
128	39.9	35.9	53.9
54	49.5	40.9	61.3

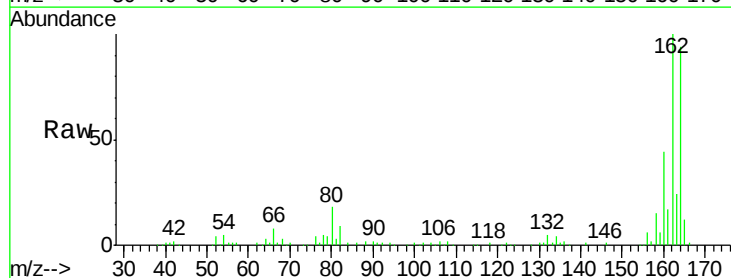


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

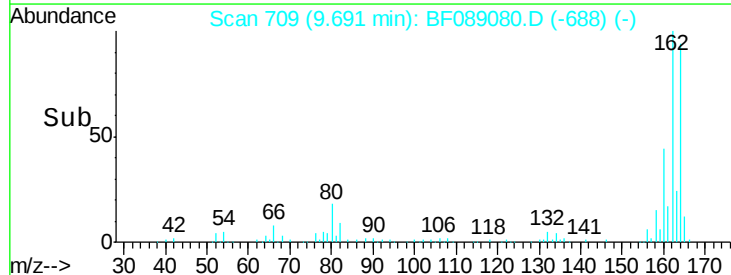
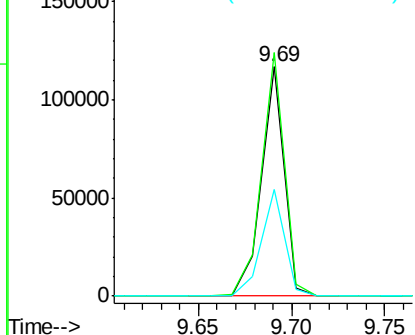


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Tgt Ion	164	Resp	97580
Ion Ratio	100	Lower	Upper
162	106.1	85.4	128.2
160	46.3	39.5	59.3



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

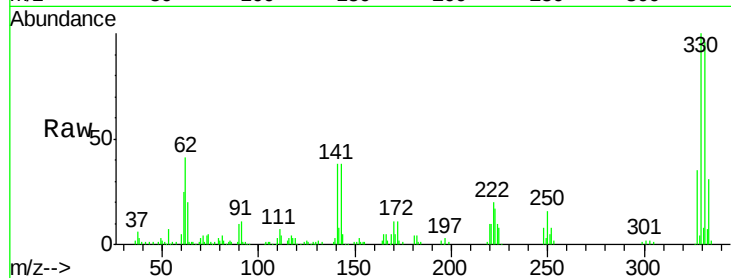




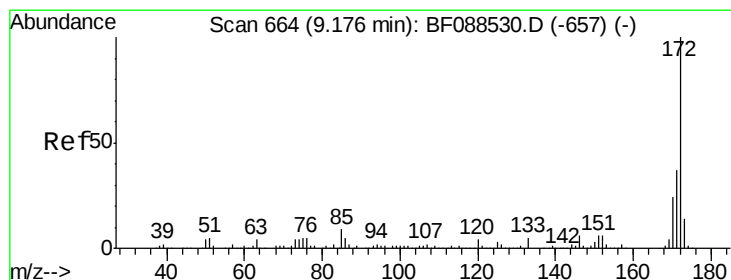
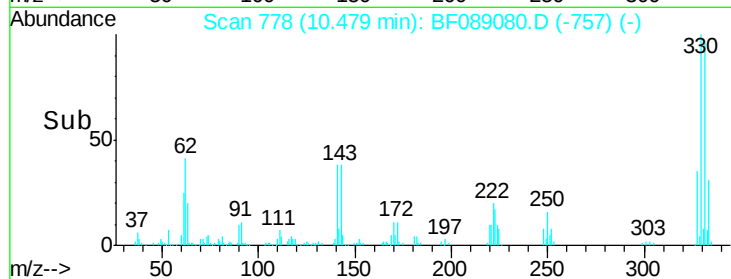
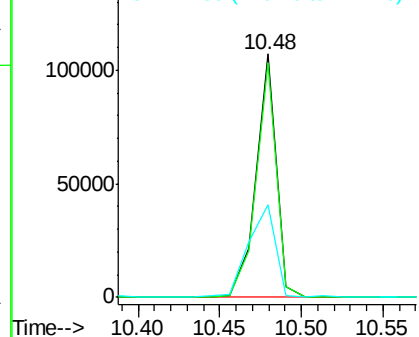
#41
 2,4,6-Tribromophenol
 Concen: 101.96 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.06 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 C5-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	51.5	0.0	0.0#

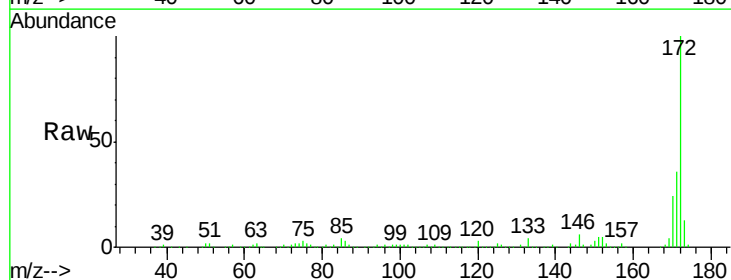


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

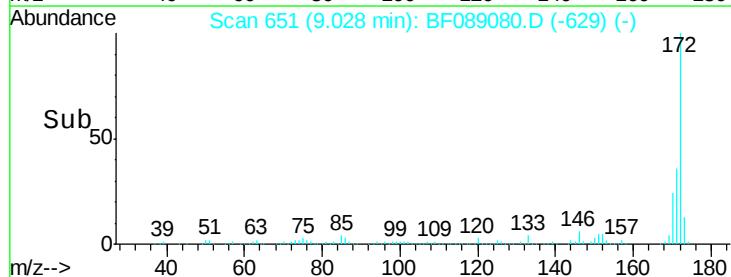
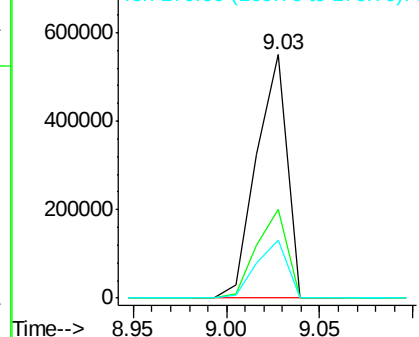


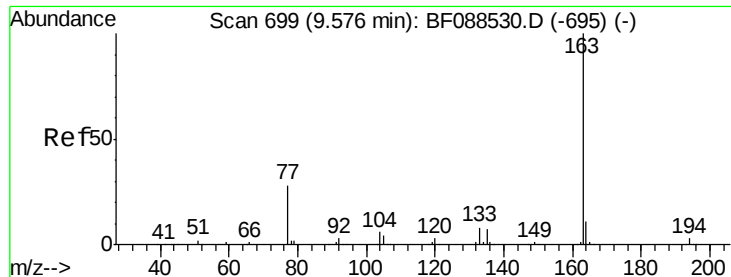
#44
 2-Fluorobiphenyl
 Concen: 100.83 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	24.1	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: 18.65 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.07 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

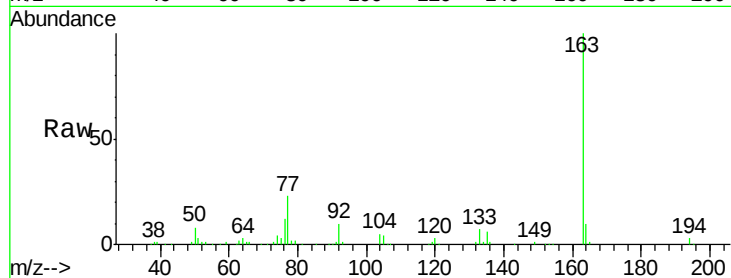
Tot Ion:163 Resp: 129642

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

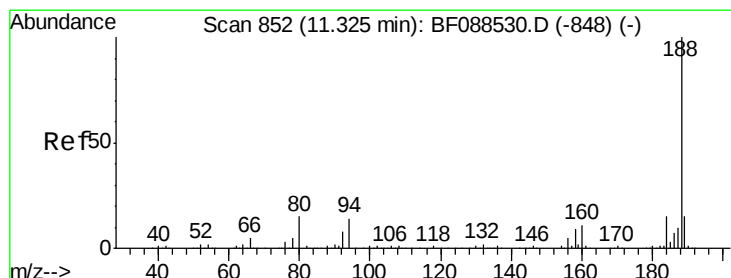
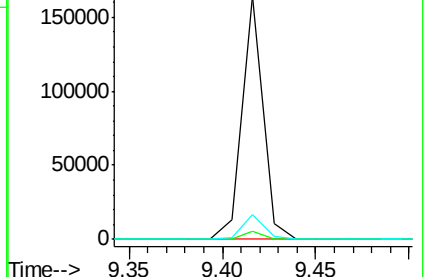
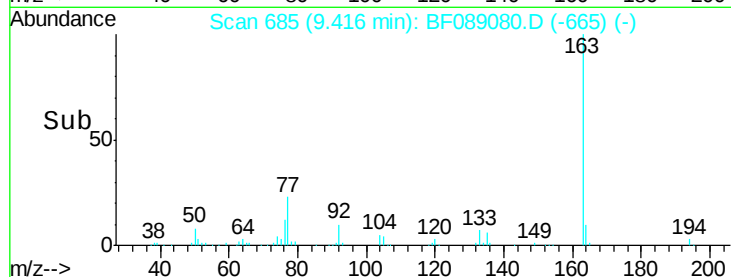
164 10.2 8.3 12.5



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: 11.16 min Scan# 838

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

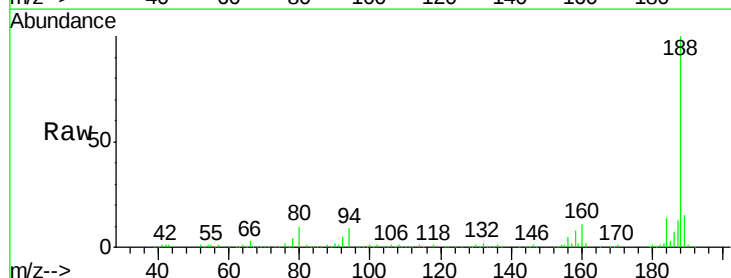
Tgt Ion:188 Resp: 153767

Ion Ratio Lower Upper

188 100

94 8.8 9.0 13.6#

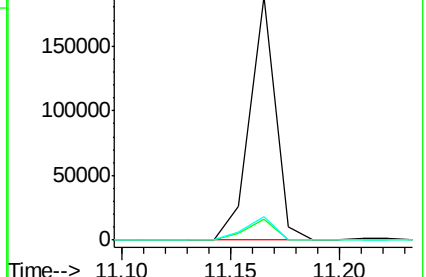
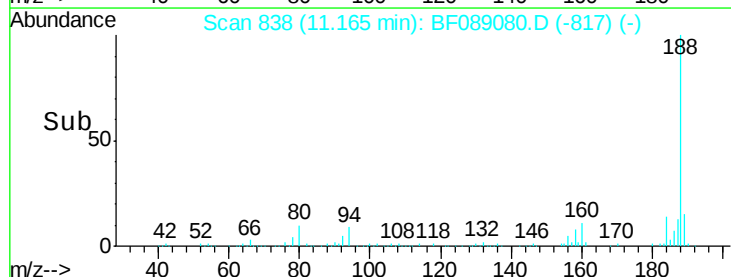
80 9.8 10.0 15.0#

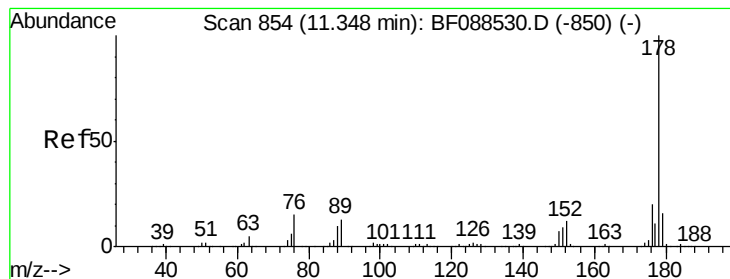


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 12.86 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

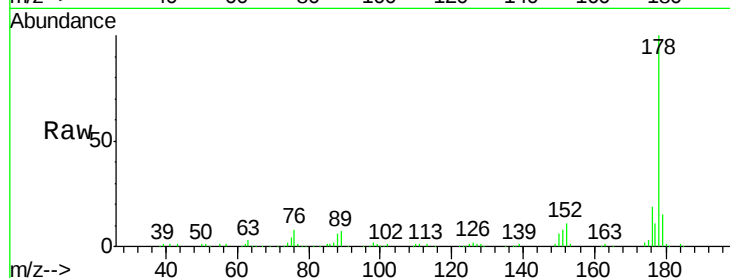
Tot Ion:178 Resp: 108113

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

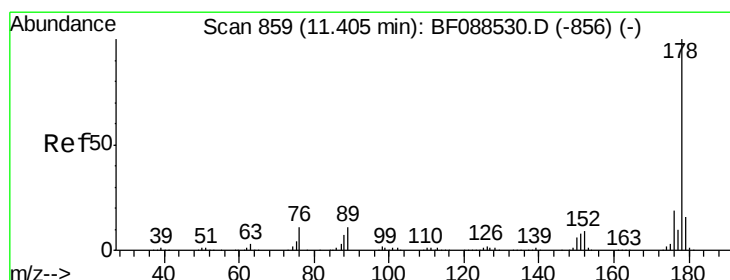
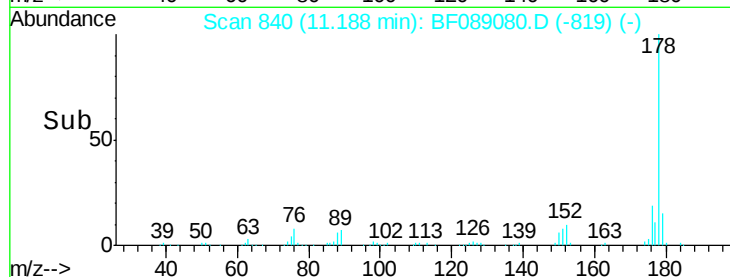
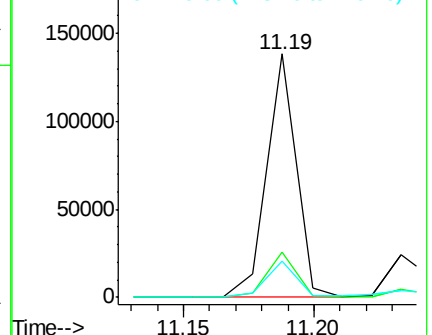
179 15.0 13.0 19.4



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: 2.97 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.07 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

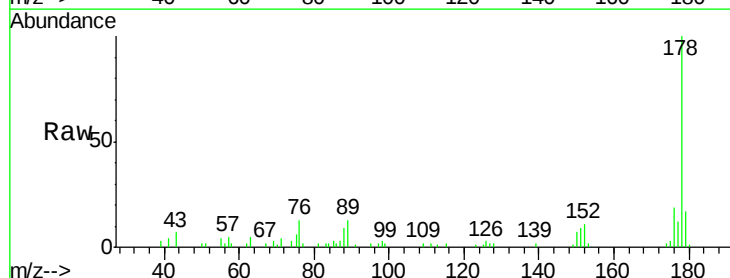
Tgt Ion:178 Resp: 24785

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

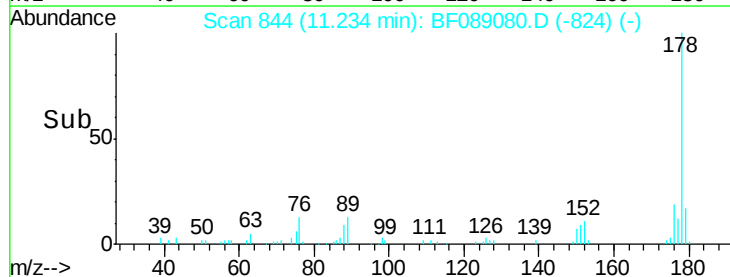
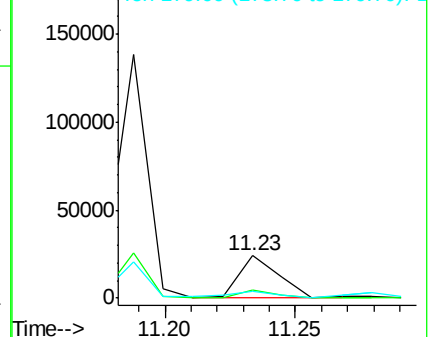
179 17.3 12.8 19.2

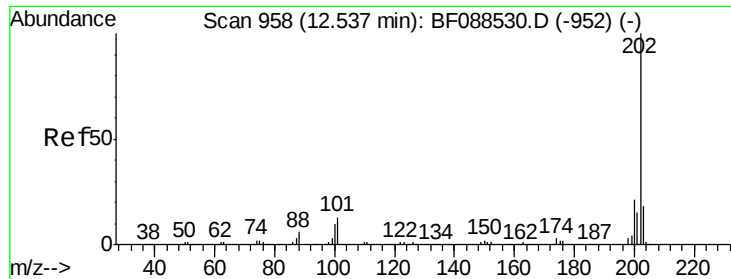


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.17 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

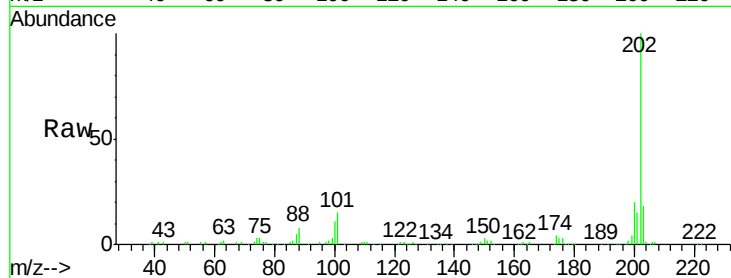
Tot Ion:202 Resp: 129231

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.1

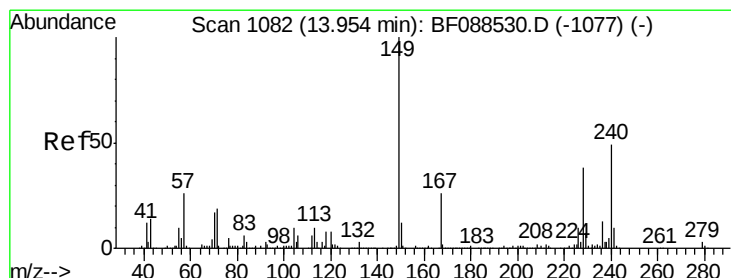
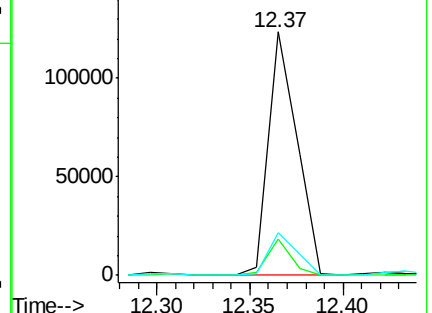
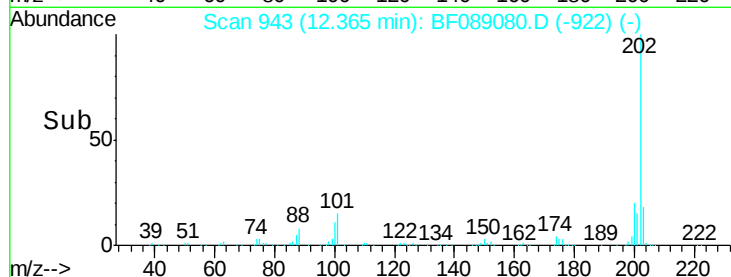
203 17.6 0.0 38.1



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: 13.79 min Scan# 1068

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

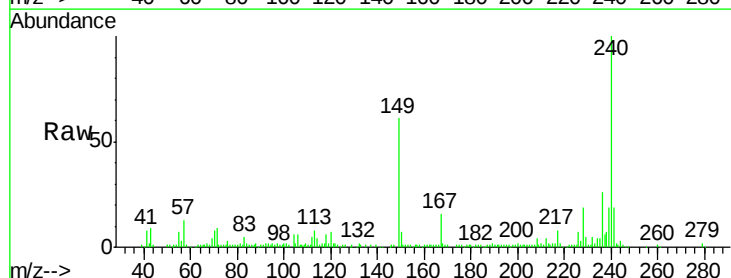
Tgt Ion:240 Resp: 109241

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

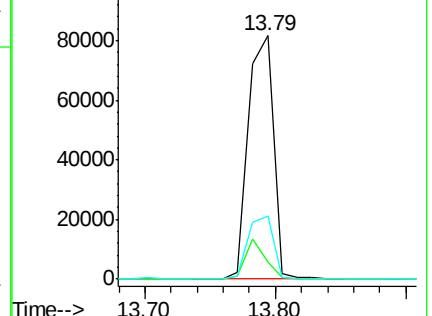
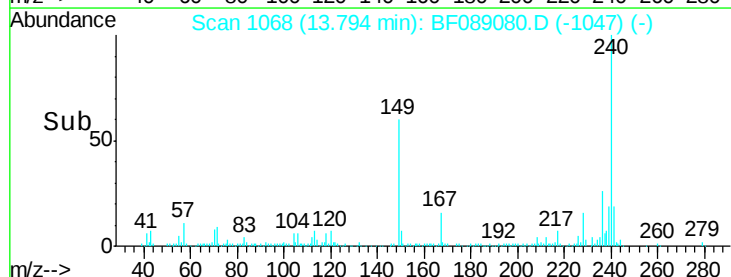
236 25.7 20.2 30.2

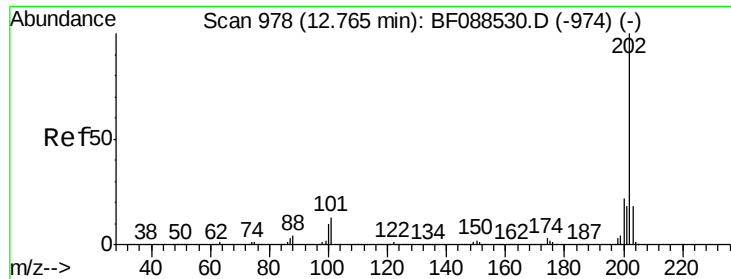


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 15.08 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

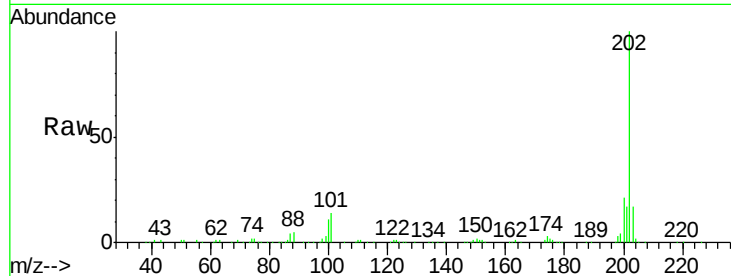
Tot Ion:202 Resp: 139699

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

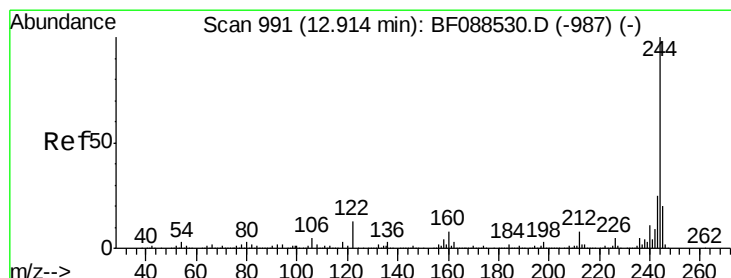
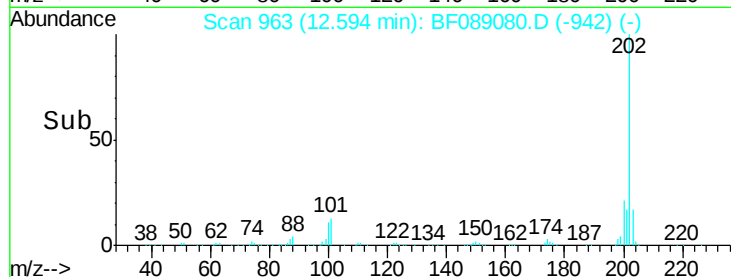
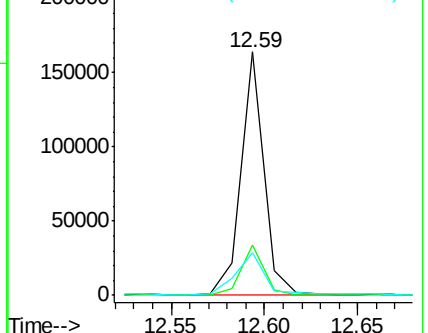
203 17.4 14.5 21.7



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: 72.53 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

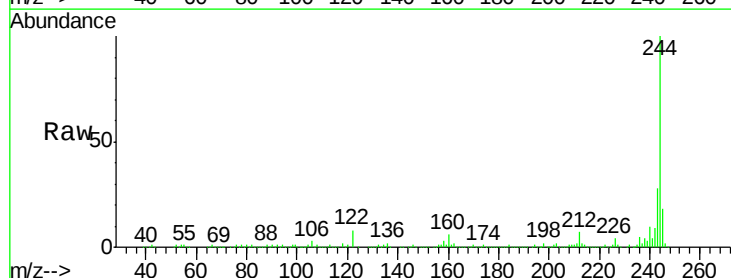
Tgt Ion:244 Resp: 355717

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

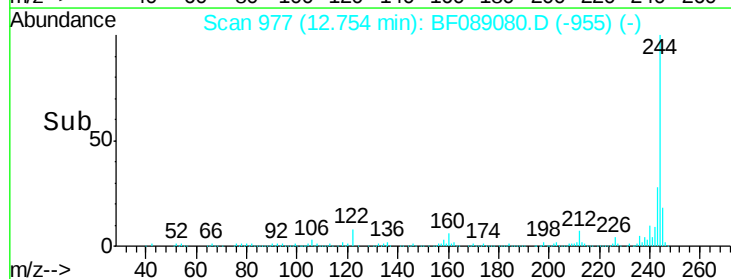
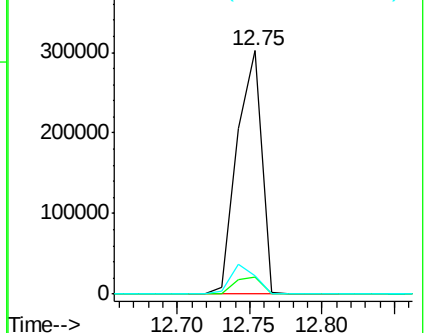
122 7.6 11.2 16.8#

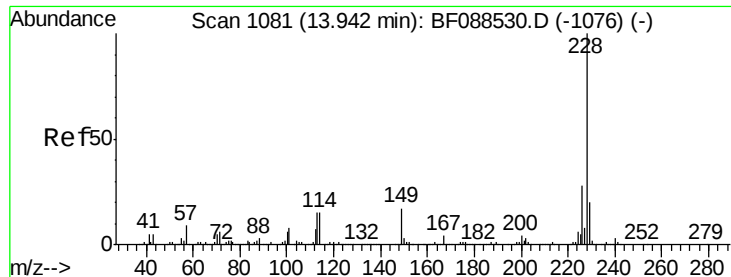


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 9.88 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

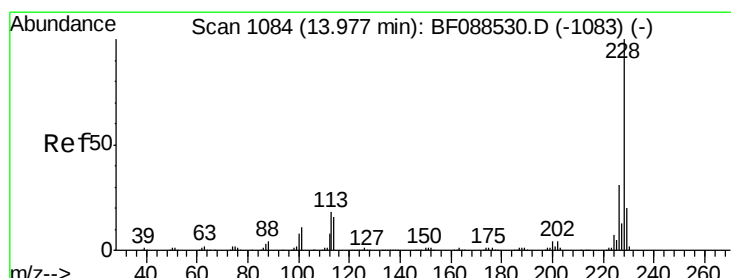
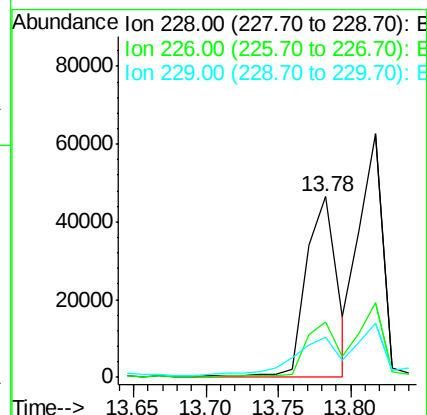
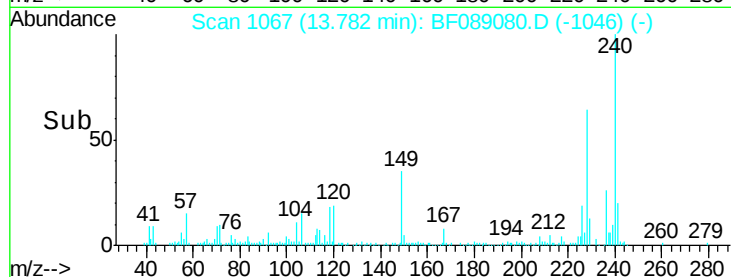
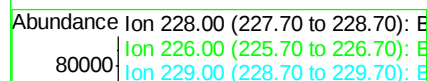
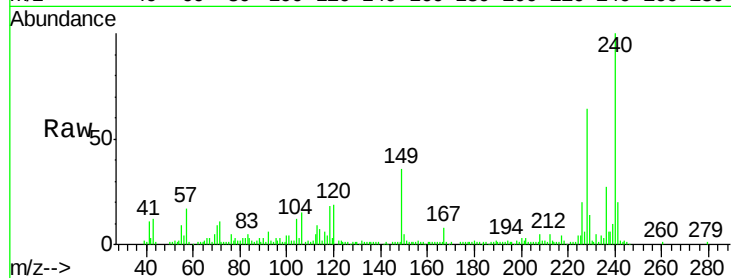
Tot Ion:228 Resp: 69471

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	22.2	16.0	24.0

228 100

226 30.6 22.3 33.5

229 22.2 16.0 24.0



#82

Chrysene

Concen: 10.29 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.06 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

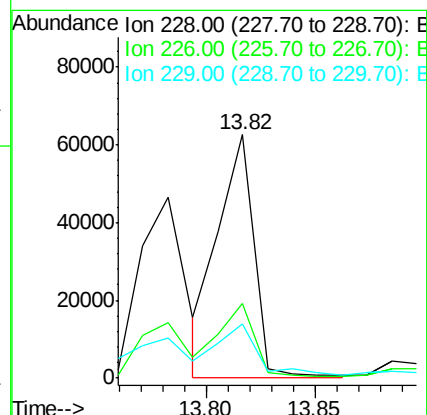
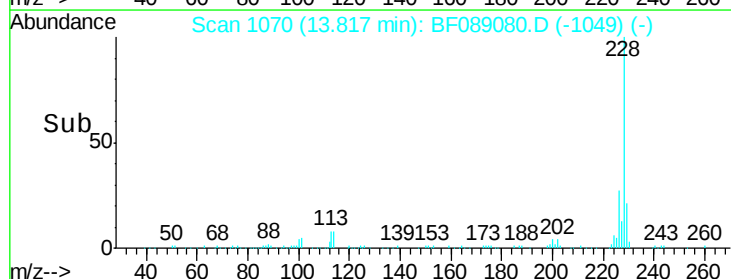
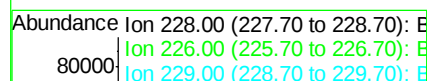
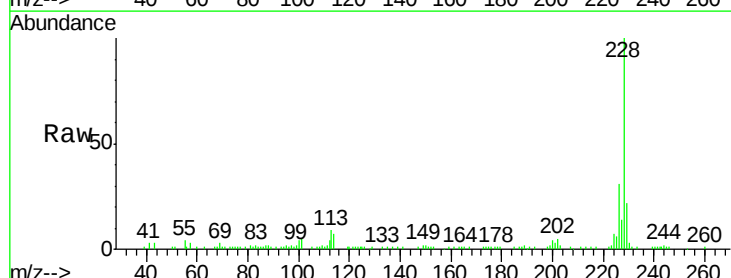
Tgt Ion:228 Resp: 71614

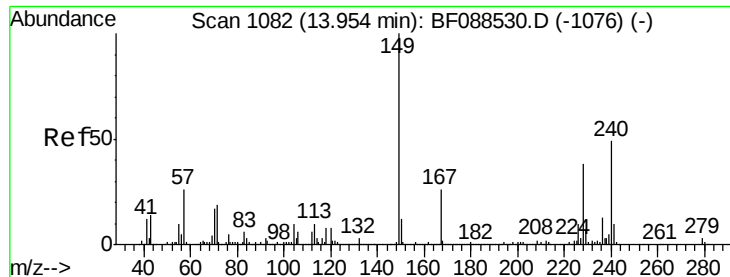
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.2
229	22.1	16.3	24.5

228 100

226 30.7 25.4 38.2

229 22.1 16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 11.61 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

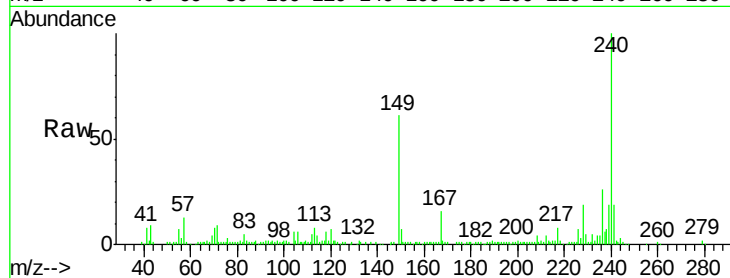
Tot Ion:149 Resp: 54782

Ion Ratio Lower Upper

149 100

167 25.7 20.5 30.7

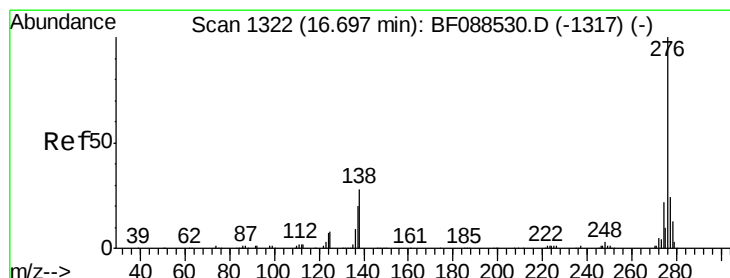
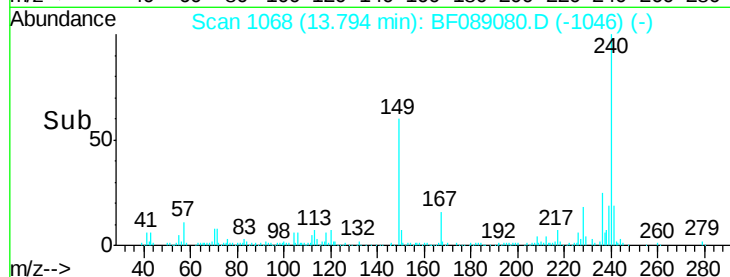
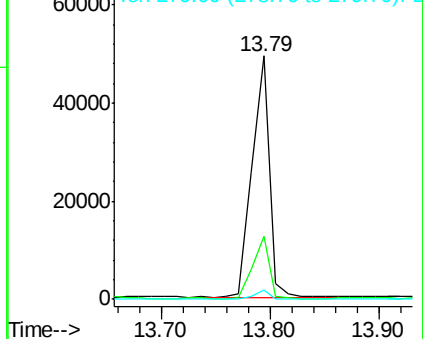
279 3.8 2.0 3.0#



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: 4.21 ng

RT: 16.41 min Scan# 1297

Delta R.T. -0.09 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

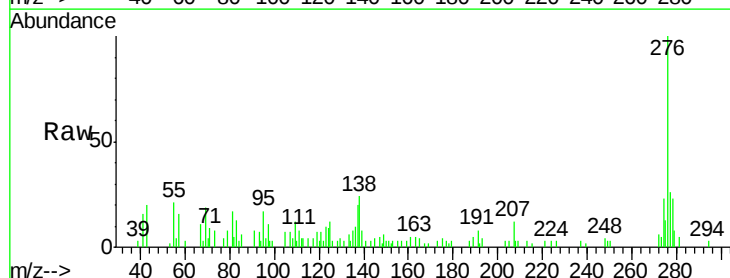
Tgt Ion:276 Resp: 22559

Ion Ratio Lower Upper

276 100

138 37.0 0.0 0.0#

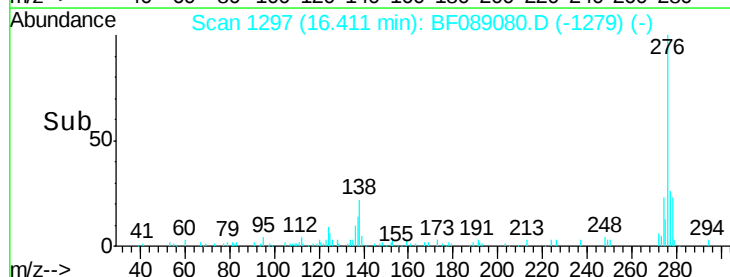
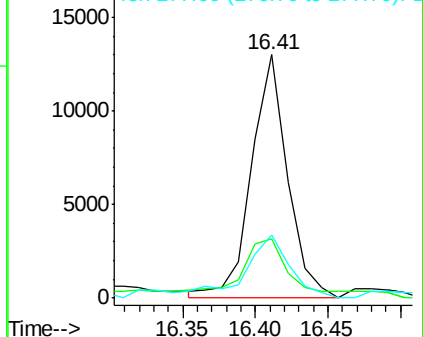
277 32.5 0.0 0.0#

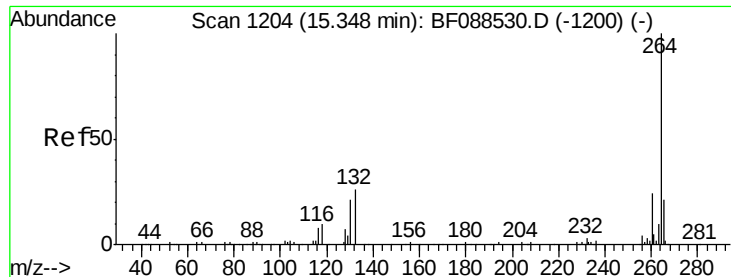


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

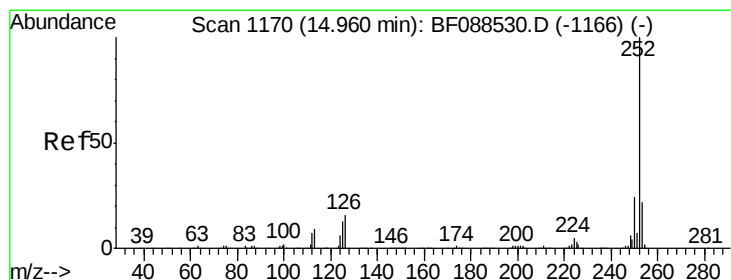
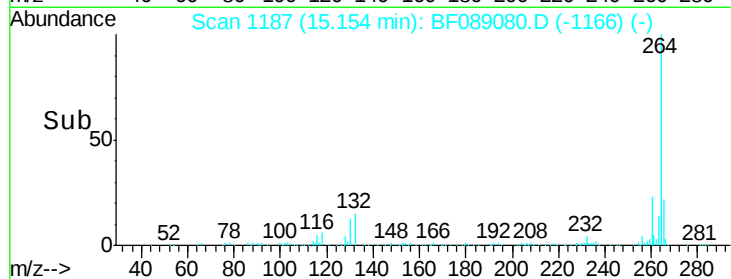
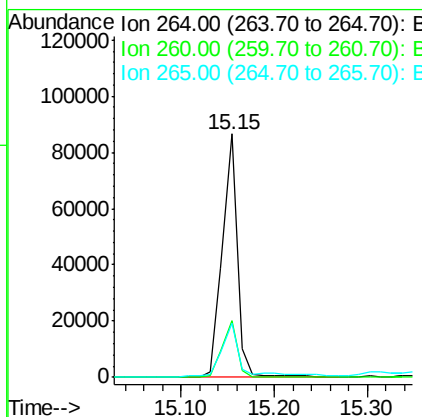
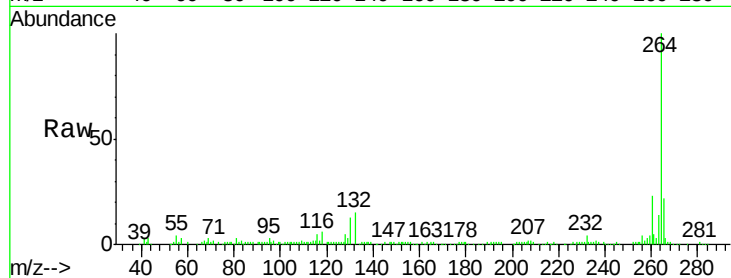




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

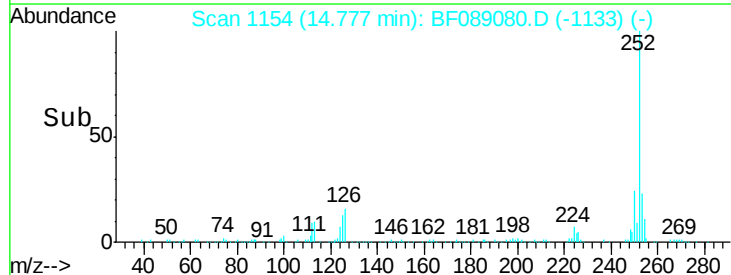
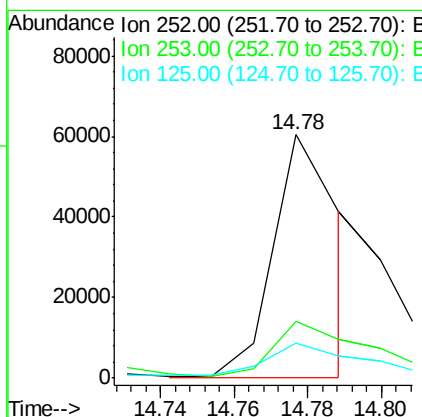
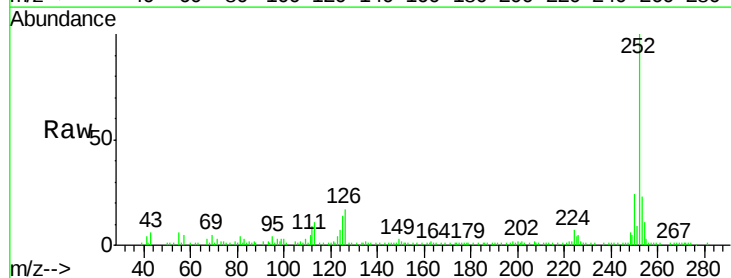
Instrument :
BNA_F
ClientSampleId :
C5-2

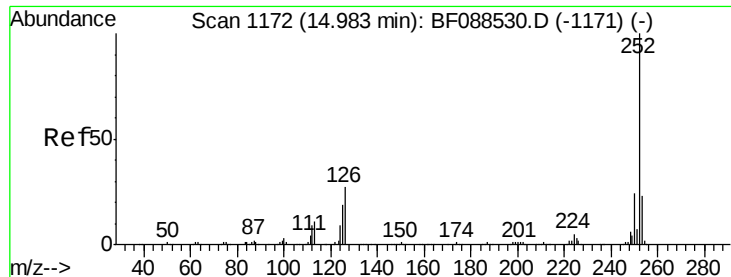
Tot Ion:264 Resp: 97396
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 22.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 12.46 ng m
RT: 14.78 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF089080.D
Acq: 17 Jul 2016 16:12

Tgt Ion:252 Resp: 76103
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 14.4 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 5.28 ng m

RT: 14.79 min Scan# 1155

Delta R.T. -0.08 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

Instrument :

BNA_F

ClientSampleId :

C5-2

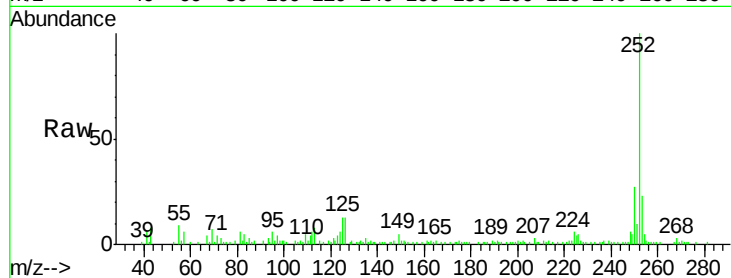
Tot Ion:252 Resp: 28092

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

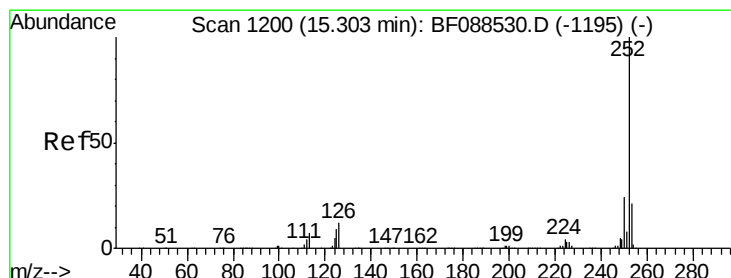
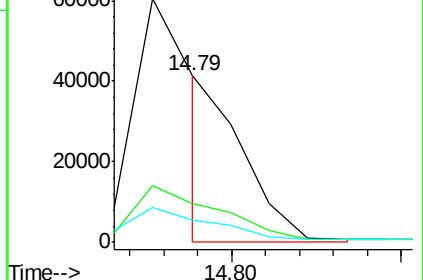
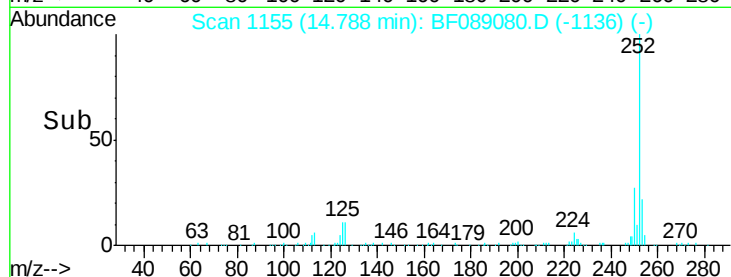
125 13.0 11.2 16.8



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: 7.84 ng m

RT: 15.10 min Scan# 1182

Delta R.T. -0.07 min

Lab File: BF089080.D

Acq: 17 Jul 2016 16:12

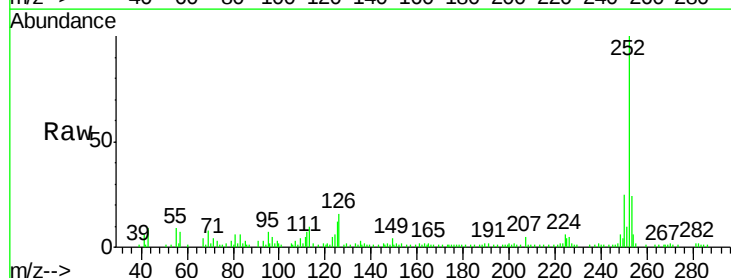
Tgt Ion:252 Resp: 40534

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

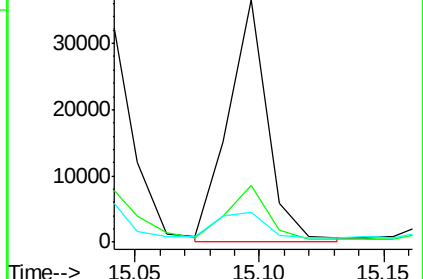
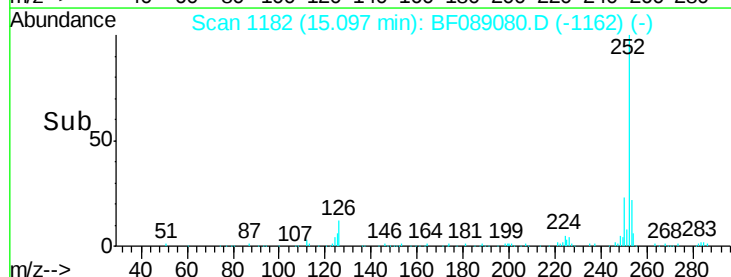
125 12.3 12.5 18.7#

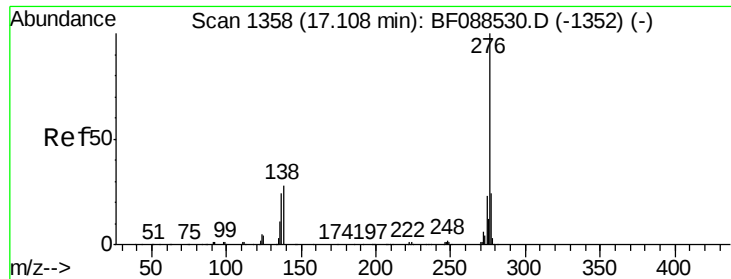


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.74 ng
 RT: 16.79 min Scan# 1330
 Delta R.T. -0.10 min
 Lab File: BF089080.D
 Acq: 17 Jul 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :
 C5-2

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.0	18.9	28.3	
138	26.5	21.4	32.2	

