

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089099.D
 Acq On : 18 Jul 2016 23:41
 Operator : UM/SJ
 Sample : H4045-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

Quant Time: Jul 19 05:08:52 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	51250	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	201851	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	80360	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	132840	20.00	ng	0.00
75) Chrysene-d12	13.77	240	95773	20.00	ng	0.00
86) Perylene-d12	15.13	264	70934	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	463705	135.60	ng	0.02
7) Phenol-d6	6.31	99	599443	135.66	ng	0.01
23) Nitrobenzene-d5	7.21	82	310790	80.69	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	82813	110.98	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	475348	93.44	ng	0.00
78) Terphenyl-d14	12.73	244	305064	70.95	ng	0.00

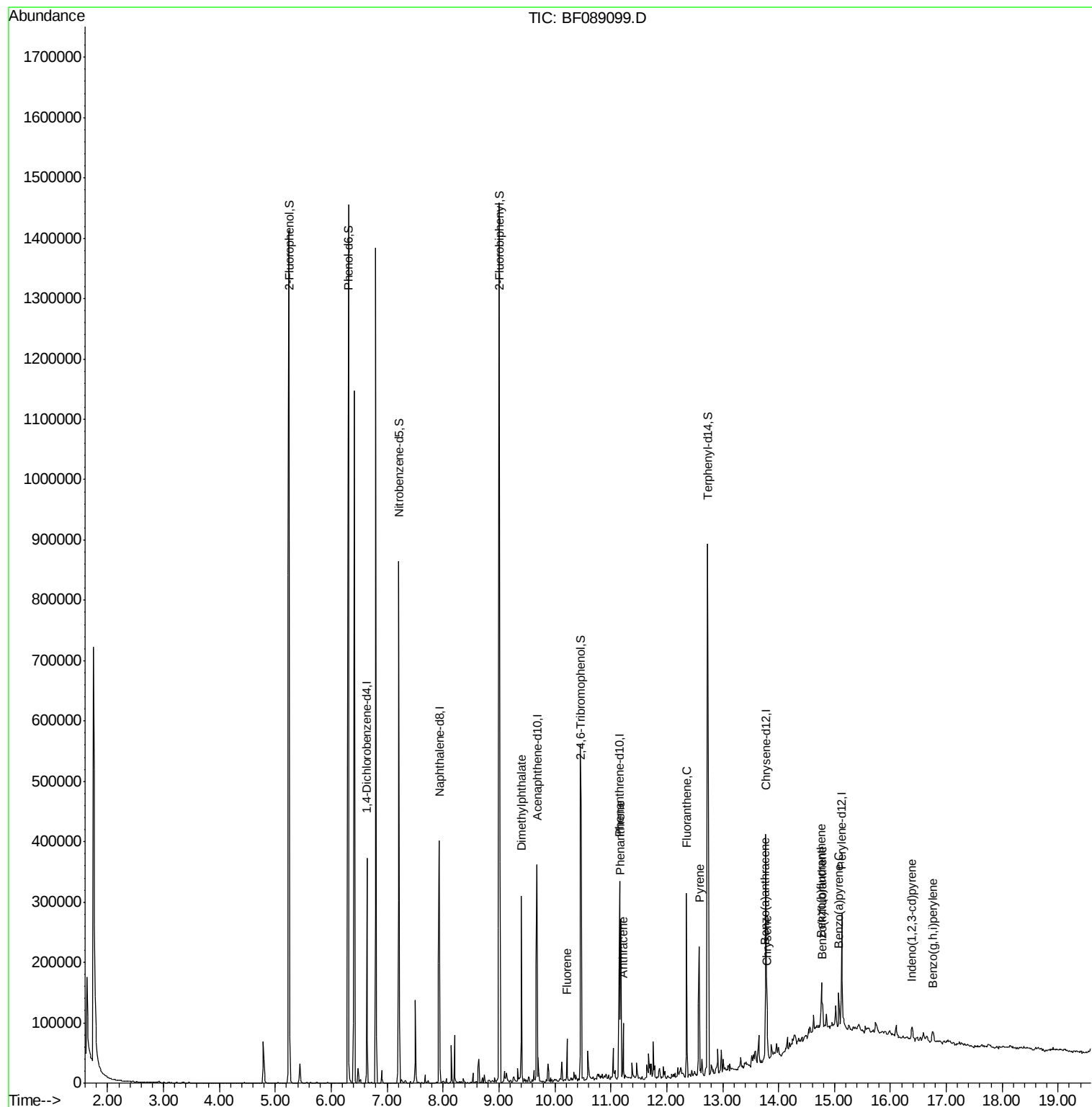
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.40	163	117086	20.45	ng	99
57) Fluorene	10.22	166	17188	3.34	ng	97
70) Phenanthrene	11.18	178	103346	14.23	ng	97
71) Anthracene	11.22	178	32817	4.55	ng	98
74) Fluoranthene	12.35	202	109211	14.84	ng	99
77) Pyrene	12.58	202	91764	11.30	ng	99
80) Benzo(a)anthracene	13.76	228	44461	7.21	ng	96
82) Chrysene	13.79	228	28910m	4.74	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	11911	2.54	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	32727m	7.35	ng	
88) Benzo(k)fluoranthene	14.79	252	12502m	3.23	ng	
89) Benzo(a)pyrene	15.07	252	22199m	5.89	ng	
91) Benzo(a,h,i)perylene	16.77	276	11402	3.50	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

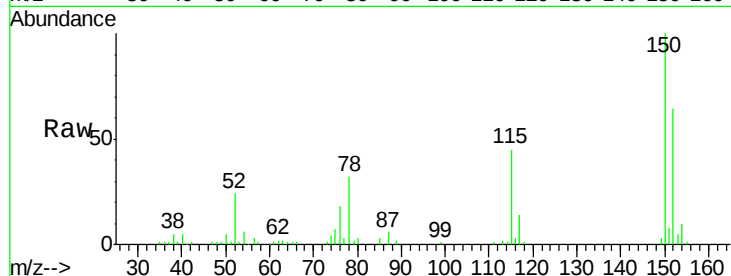
Tot Ion:152 Resp: 51250

Ion Ratio Lower Upper

152 100

150 156.0 123.8 185.6

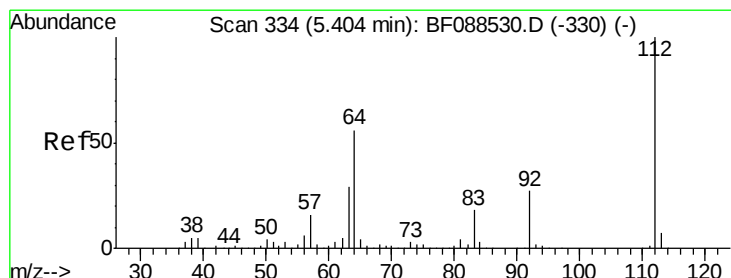
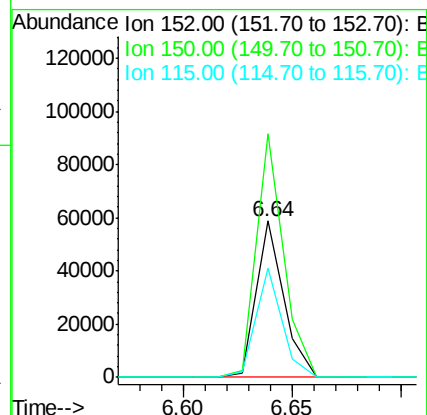
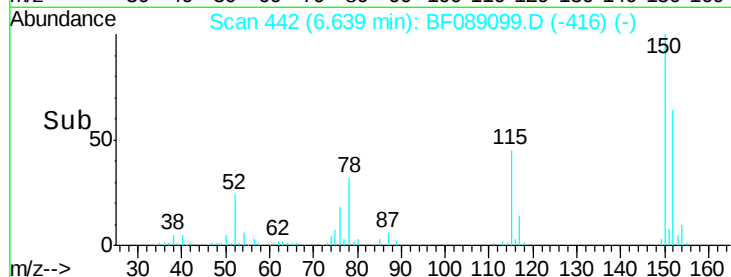
115 70.0 39.6 59.4#



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: 135.60 ng

RT: 5.24 min Scan# 320

Delta R.T. 0.02 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

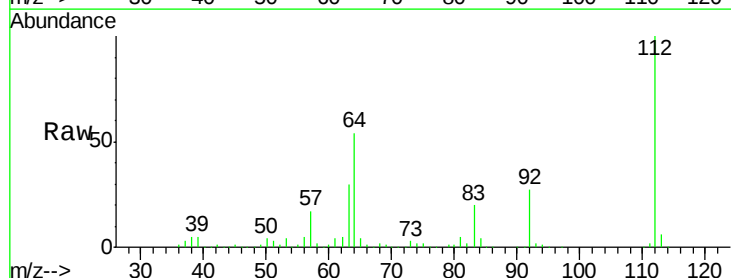
Tgt Ion:112 Resp: 463705

Ion Ratio Lower Upper

112 100

64 54.1 42.2 63.2

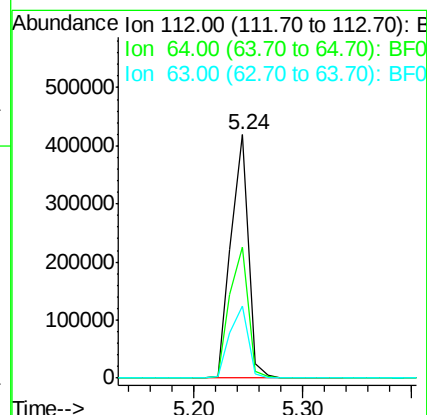
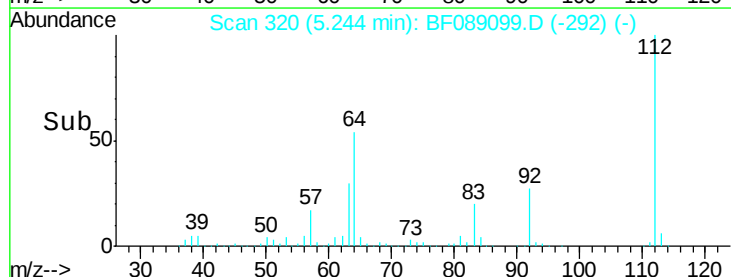
63 29.7 21.8 32.8



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: 135.66 ng

RT: 6.31 min Scan# 413

Delta R.T. 0.01 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

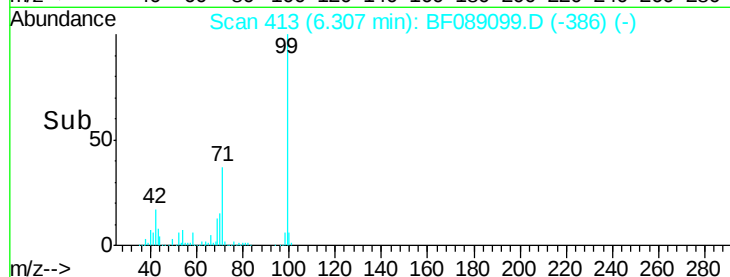
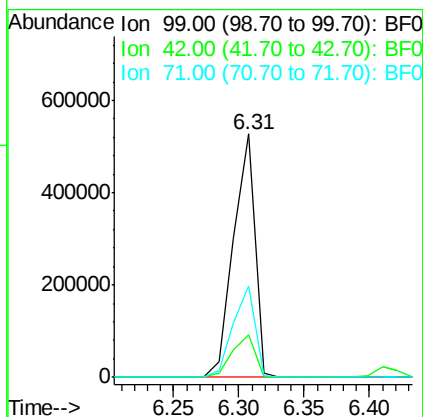
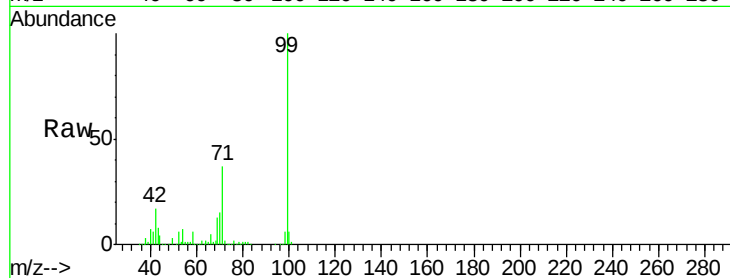
Tot Ion: 99 Resp: 599443

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 37.4 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: BF089099.D

Acq: 18 Jul 2016 23:41

Tgt Ion: 136 Resp: 201851

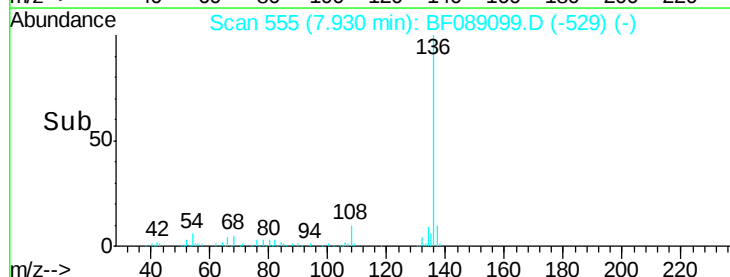
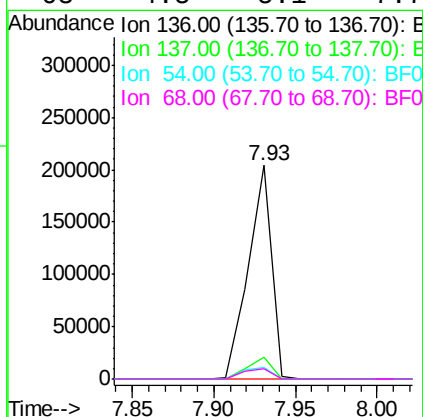
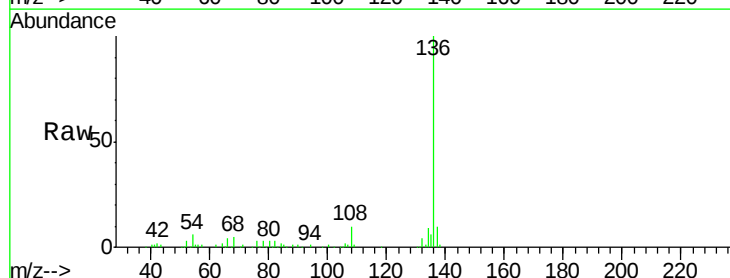
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.6 6.6 10.0#

68 4.5 5.1 7.7#

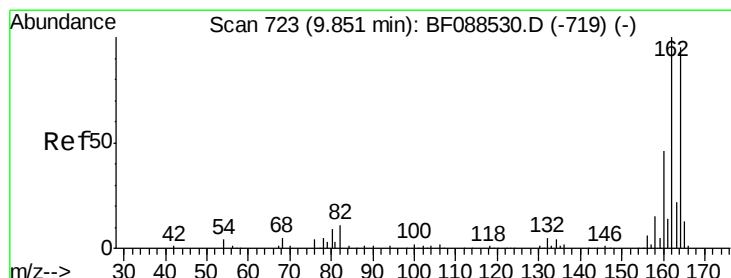
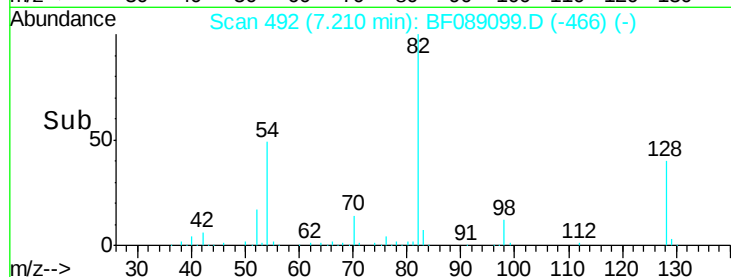
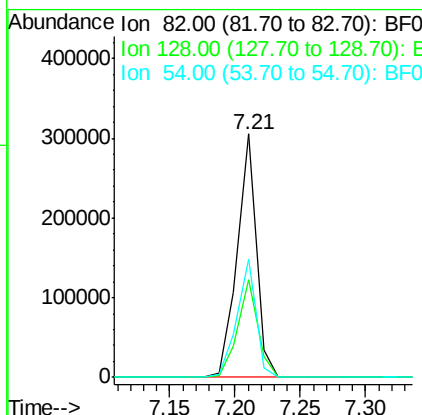
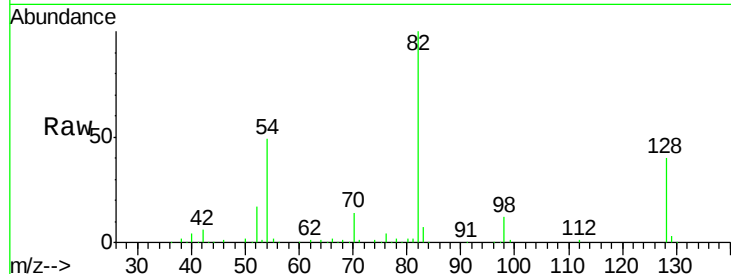




#23
 Nitrobenzene-d5
 Concen: 80.69 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

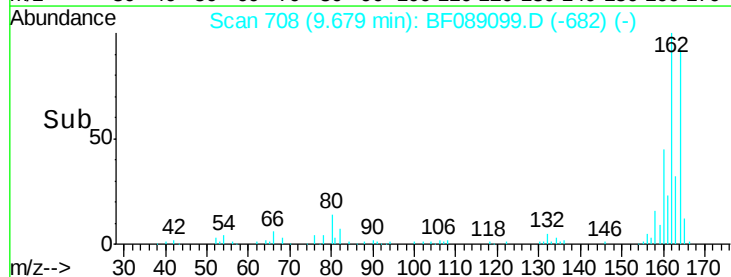
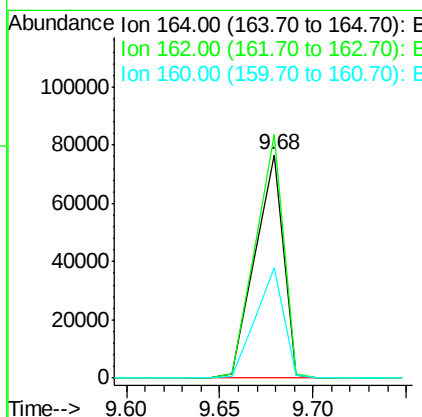
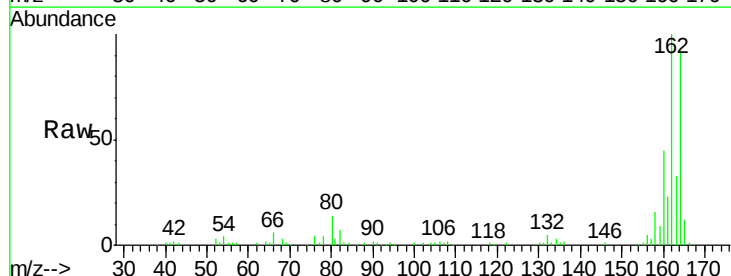
Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

Tot Ion	82	Resp	310790
Ion Ratio	Lower	Upper	
82	100		
128	39.9	35.9	53.9
54	48.8	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: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion	164	Resp	80360
Ion Ratio	Lower	Upper	
164	100		
162	109.1	85.4	128.2
160	49.4	39.5	59.3

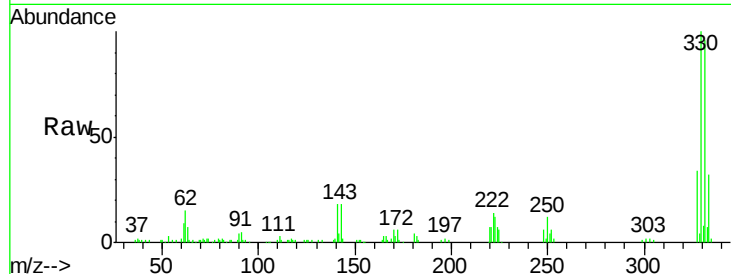




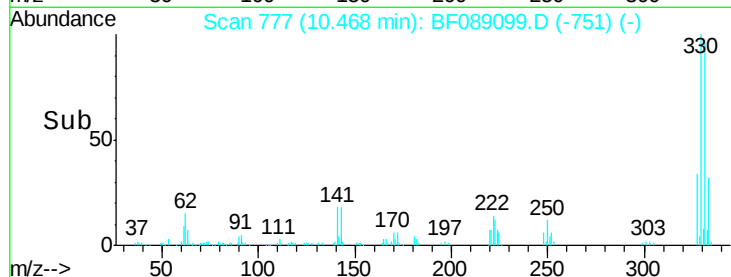
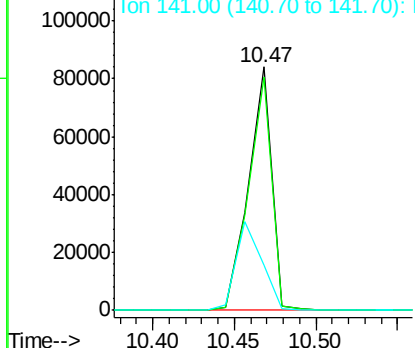
#41
 2,4,6-Tribromophenol
 Concen: 110.98 ng
 RT: 10.47 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampled :
 H10-B3(0-6)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	40.4	0.0	0.0#

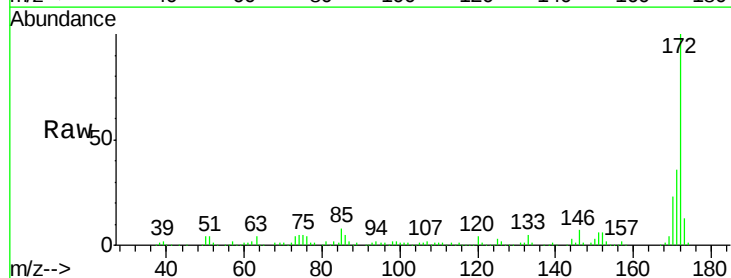


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

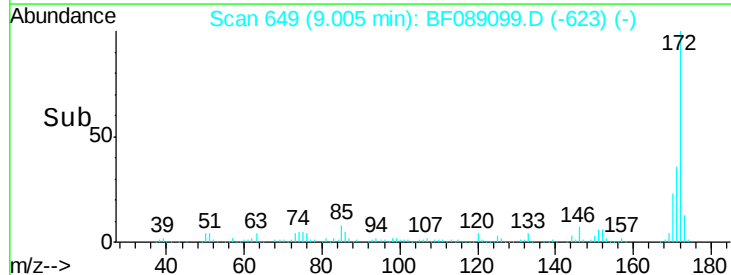
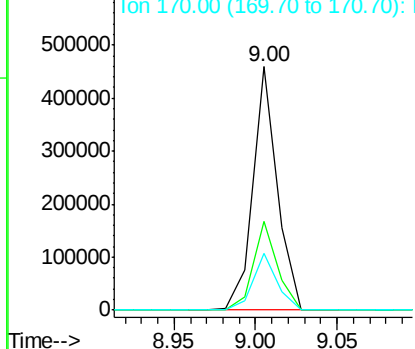


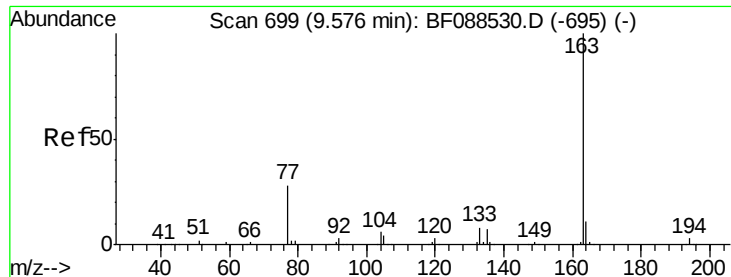
#44
 2-Fluorobiphenyl
 Concen: 93.44 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.3	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

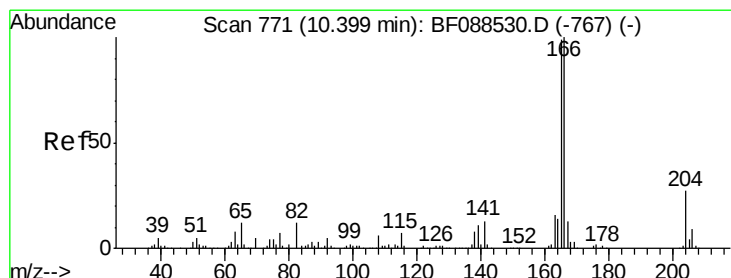
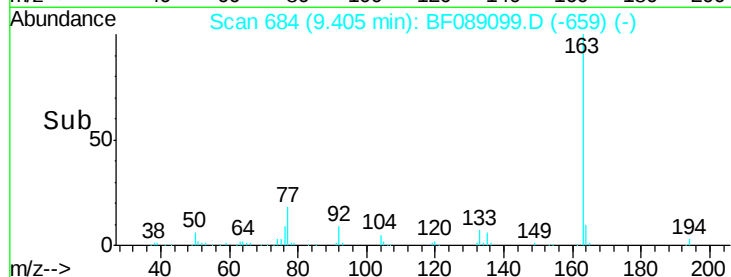
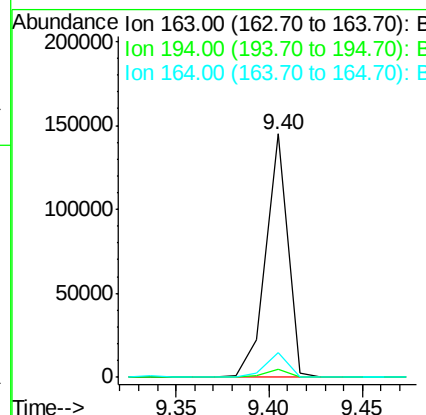
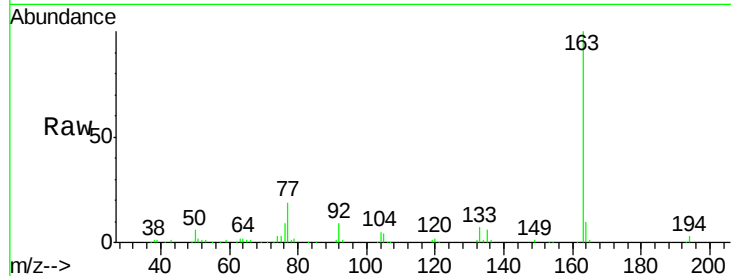




#49
Dimethylphthalate
Concen: 20.45 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

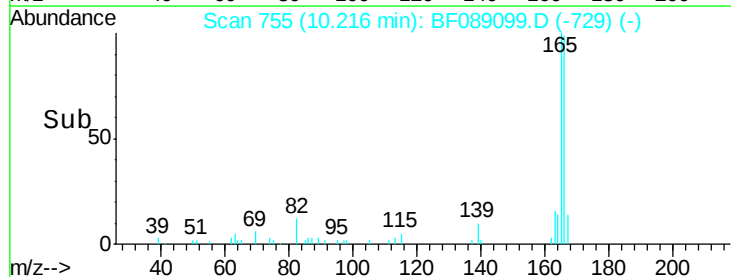
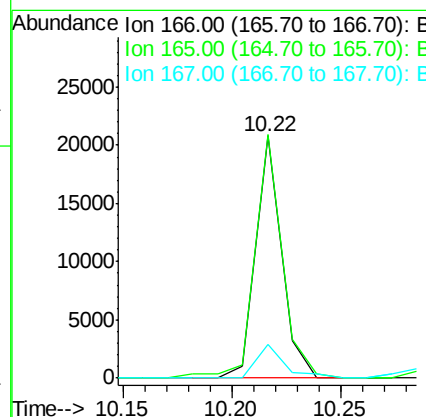
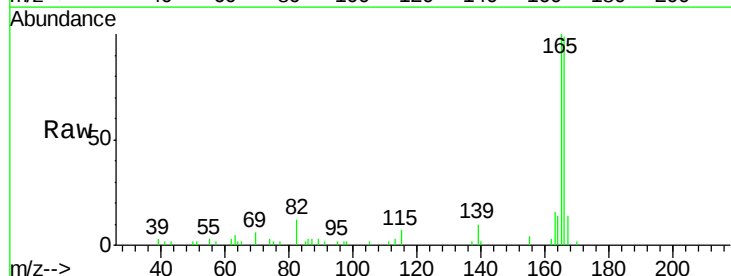
Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

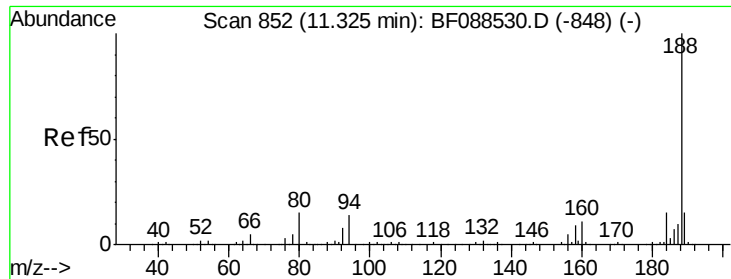
Tot Ion:163 Resp: 117086
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.0 8.3 12.5



#57
Fluorene
Concen: 3.34 ng
RT: 10.22 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:166 Resp: 17188
Ion Ratio Lower Upper
166 100
165 100.6 77.8 116.8
167 13.9 11.2 16.8

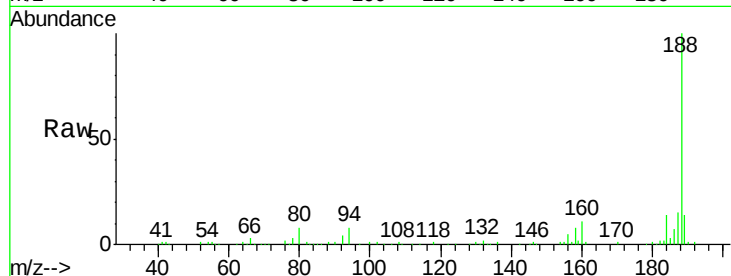




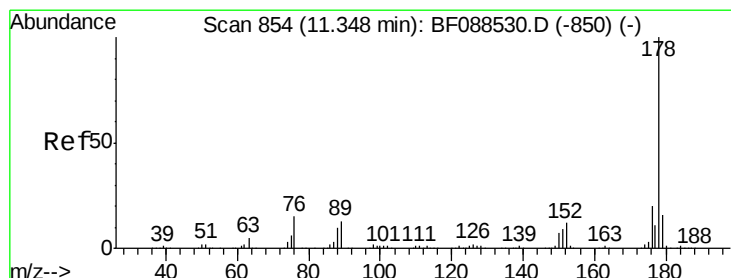
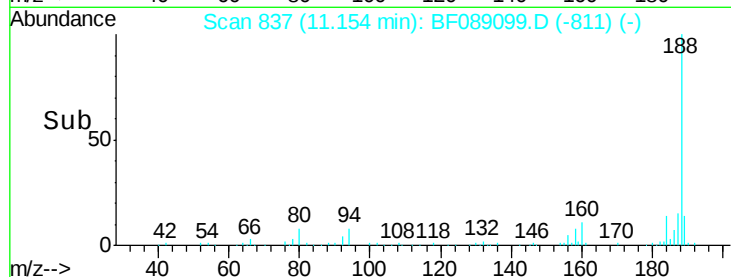
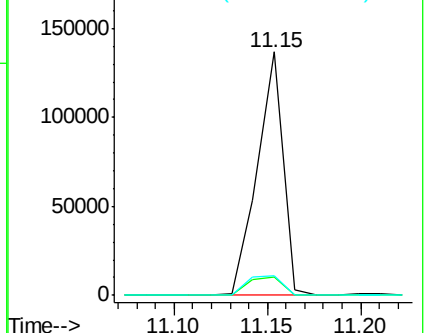
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

Tot Ion:188 Resp: 132840
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.6#
80 7.9 10.0 15.0#

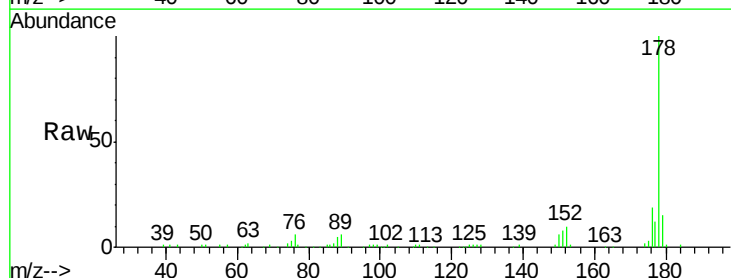


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

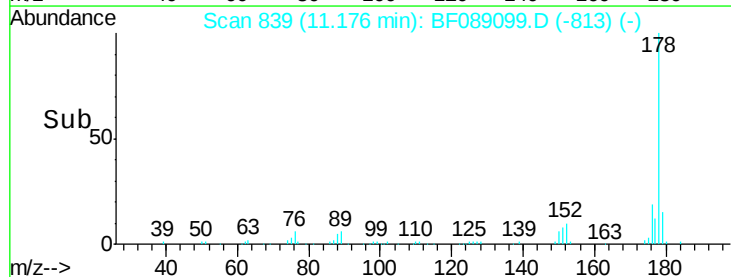
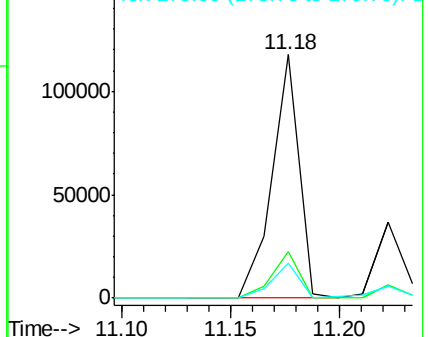


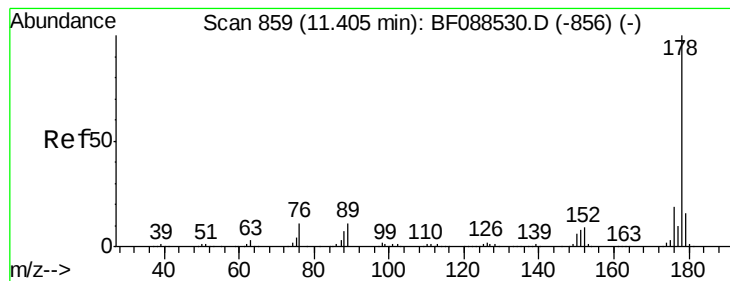
#70
Phenanthrene
Concen: 14.23 ng
RT: 11.18 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:178 Resp: 103346
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.6 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: 4.55 ng

RT: 11.22 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

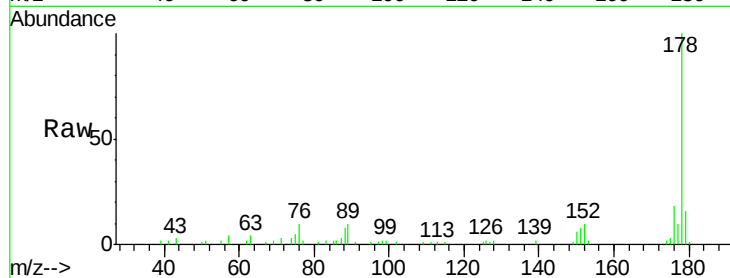
Tot Ion:178 Resp: 32817

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

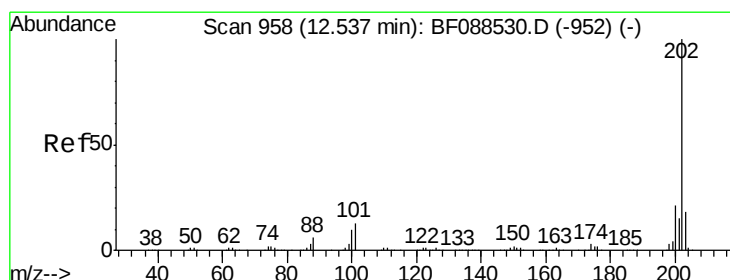
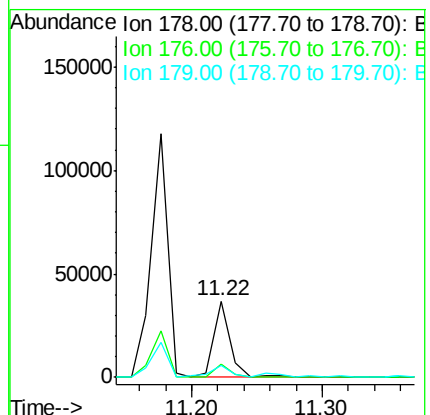
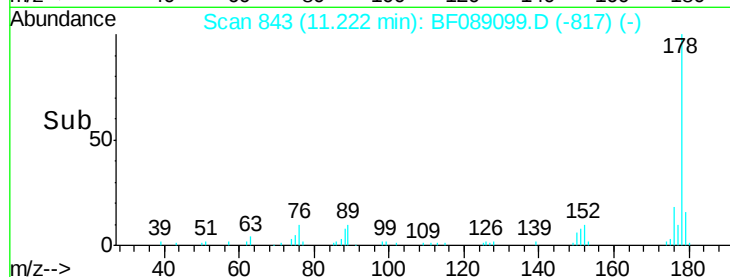
179 15.9 12.8 19.2



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: 14.84 ng

RT: 12.35 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

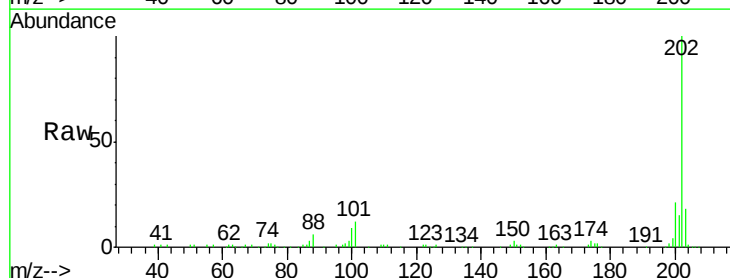
Tgt Ion:202 Resp: 109211

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.1

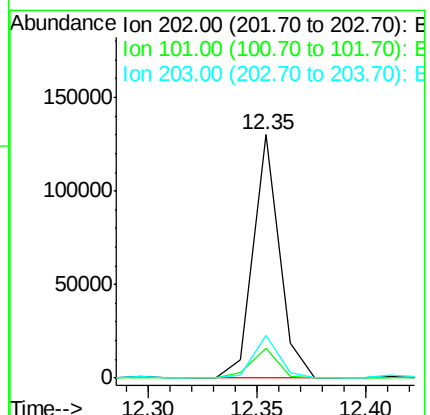
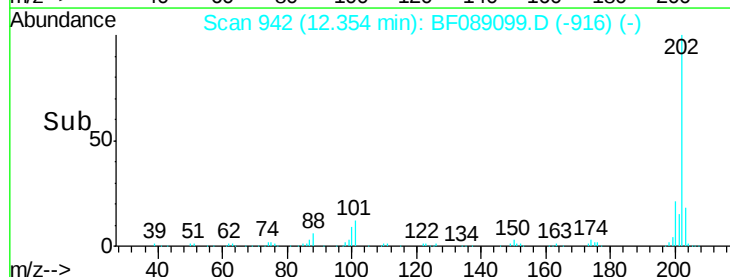
203 17.7 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

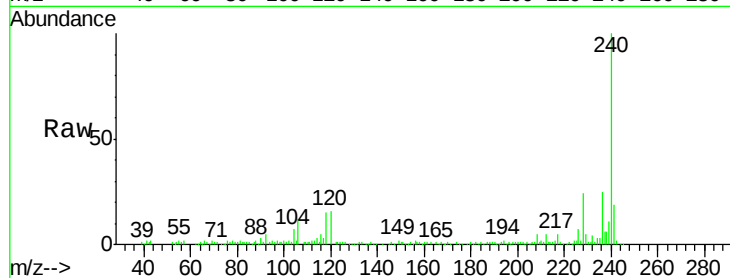
Tot Ion:240 Resp: 95773

Ion Ratio Lower Upper

240 100

120 16.1 6.8 10.2#

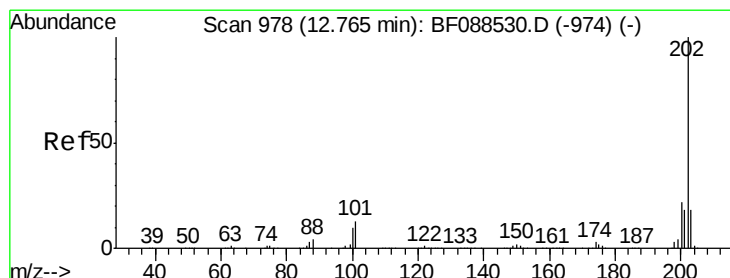
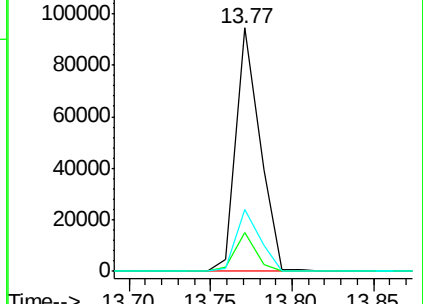
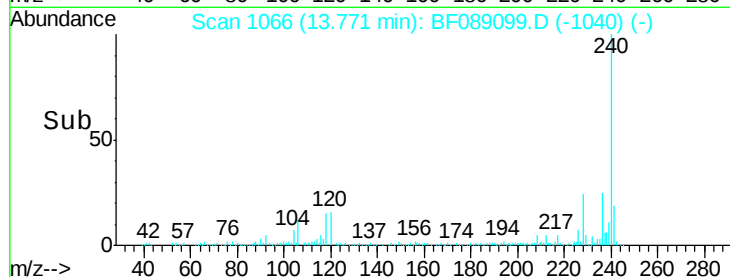
236 25.3 20.2 30.2



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

Pyrene

Concen: 11.30 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

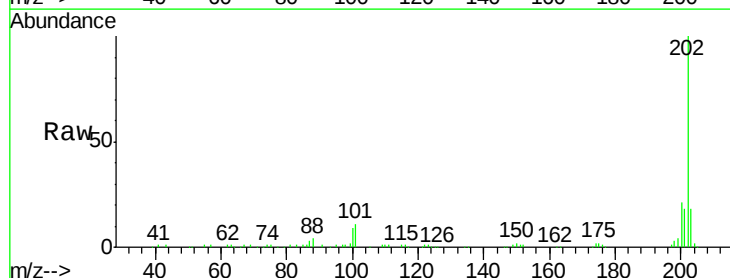
Tgt Ion:202 Resp: 91764

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

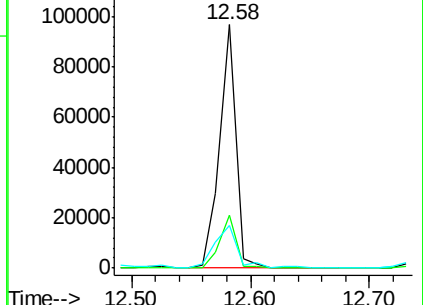
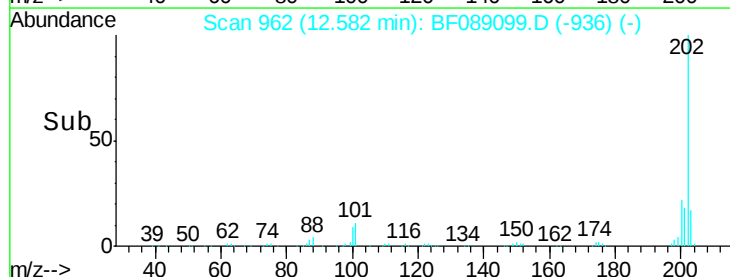
203 17.5 14.5 21.7



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

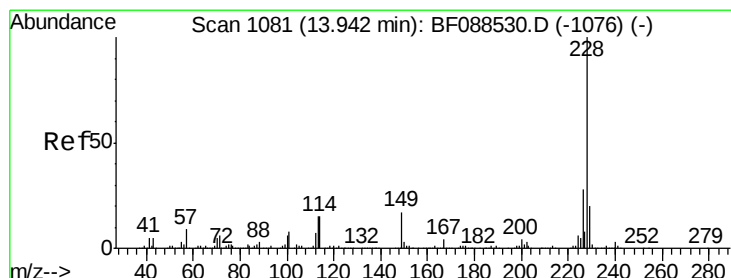
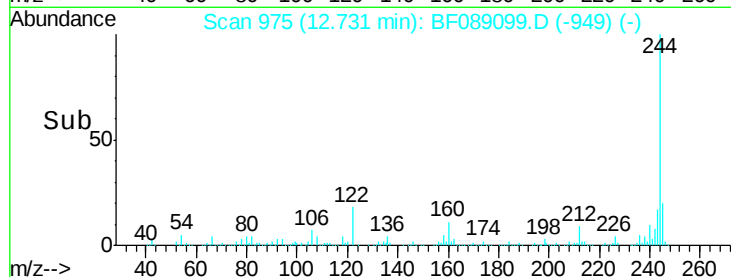
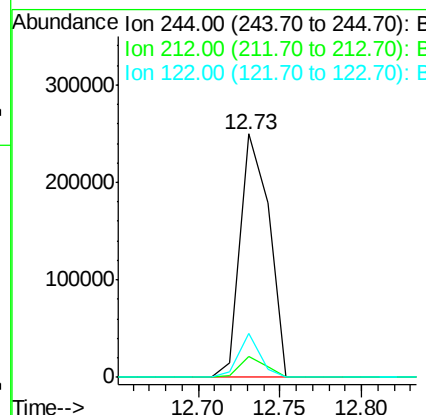
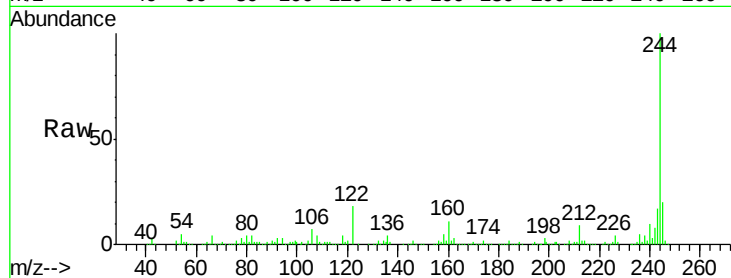




#78
 Terphenyl-d14
 Concen: 70.95 ng
 RT: 12.73 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

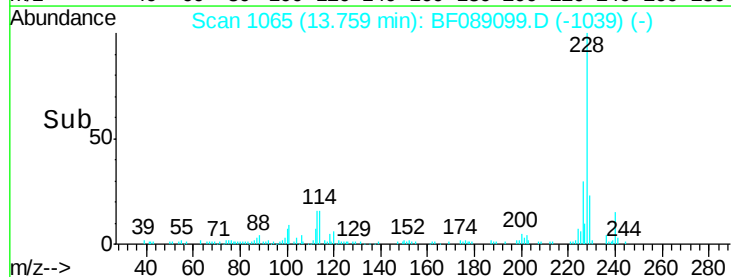
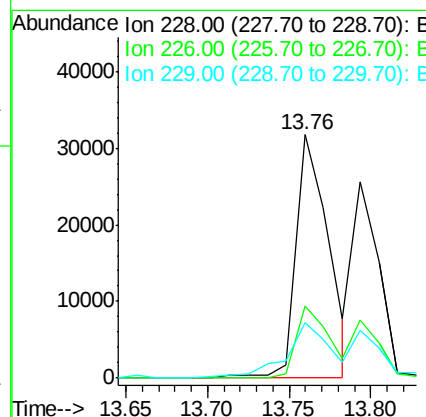
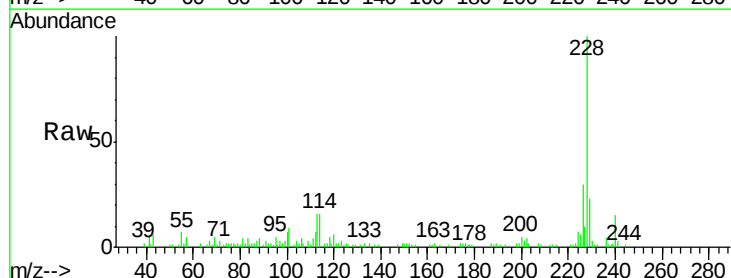
Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

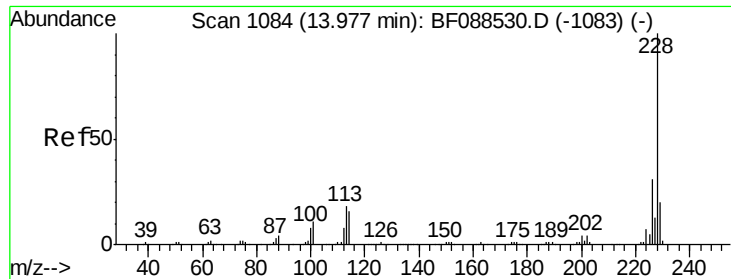
Tot Ion:244 Resp: 305064
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.0 9.0
 122 17.9 11.2 16.8#



#80
 Benzo(a)anthracene
 Concen: 7.21 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion:228 Resp: 44461
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.3 33.5
 229 22.5 16.0 24.0





#82

Chrysene

Concen: 4.74 ng/mL

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

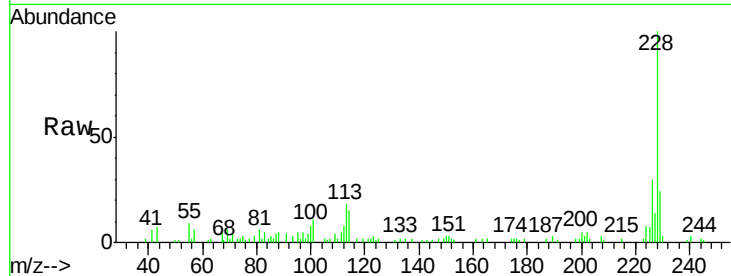
BNA_F

ClientSampleId :

H10-B3(0-6)C

Tot Ion:228 Resp: 28910

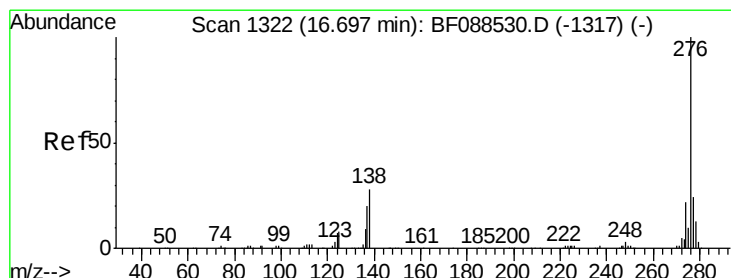
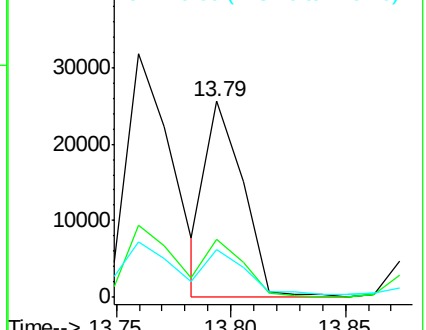
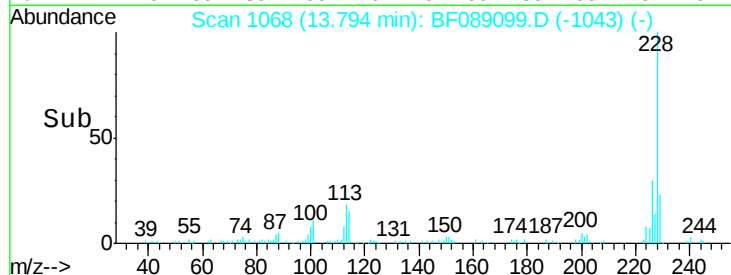
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	24.4	16.3	24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.54 ng/mL

RT: 16.39 min Scan# 1295

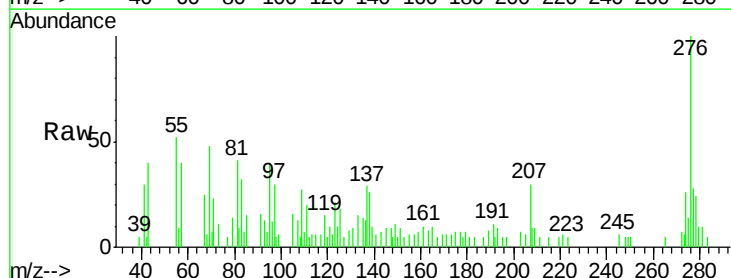
Delta R.T. 0.01 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Tgt Ion:276 Resp: 11911

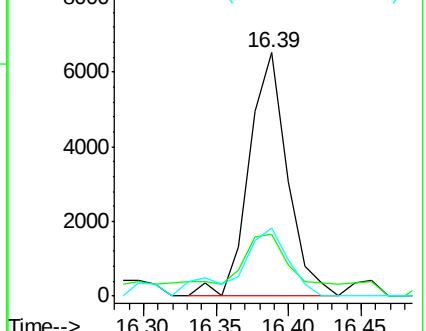
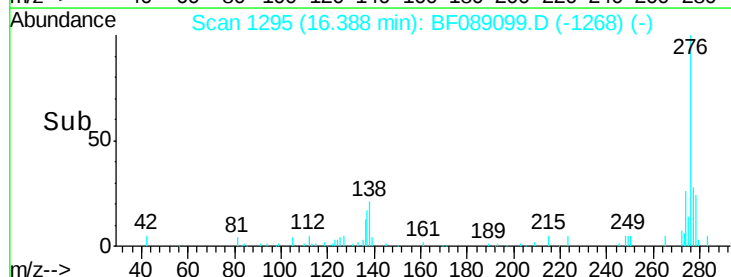
Ion	Ratio	Lower	Upper
276	100		
138	37.8	0.0	0.0#
277	36.4	0.0	0.0#

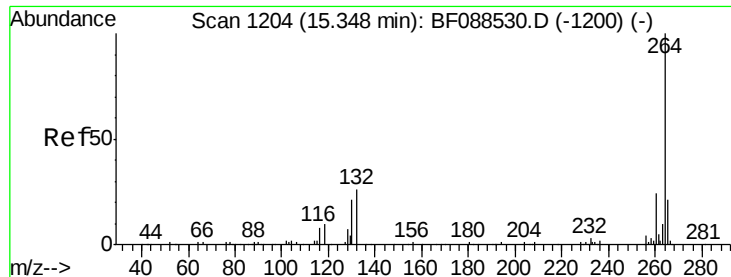


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

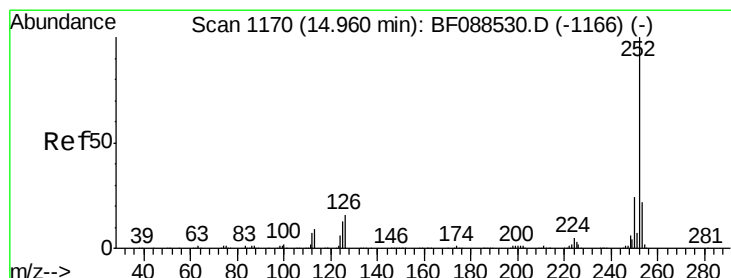
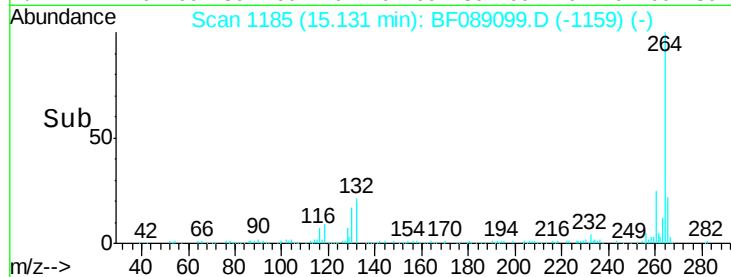
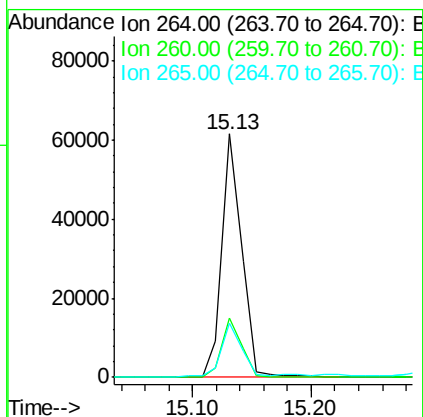
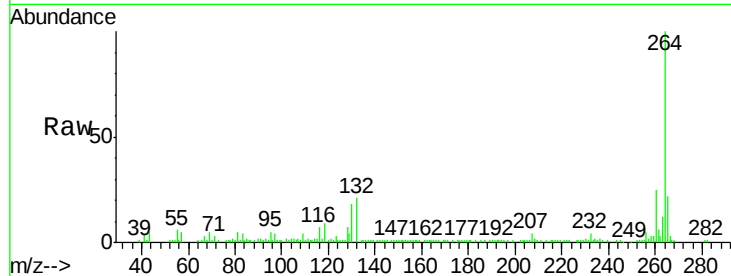




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

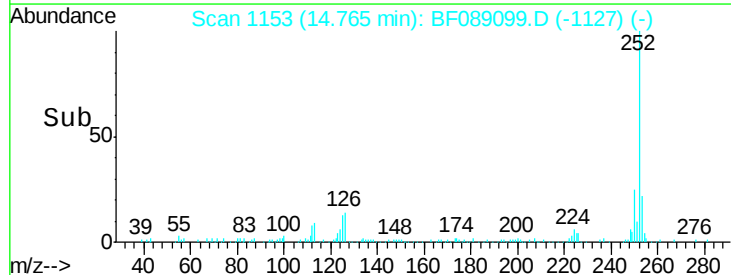
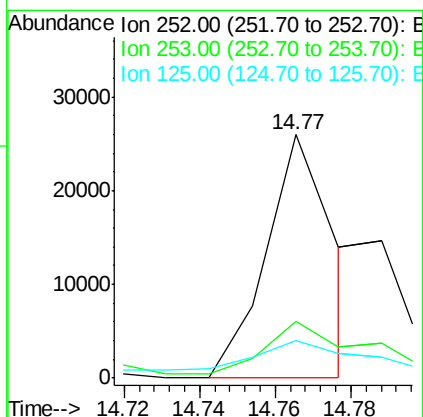
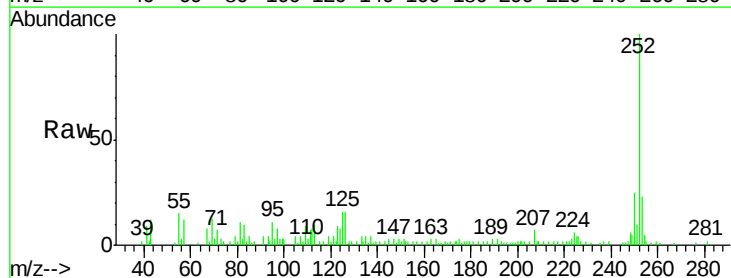
Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

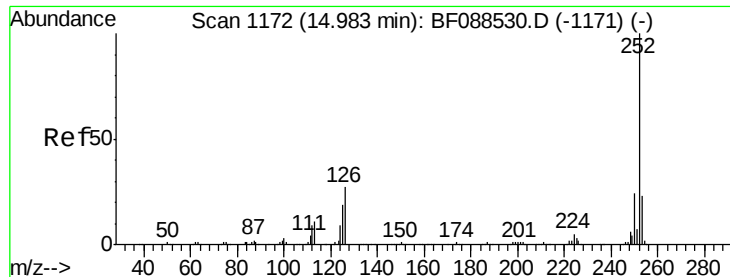
Tot Ion:264 Resp: 70934
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 7.35 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:252 Resp: 32727
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 15.7 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.23 ng m

RT: 14.79 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

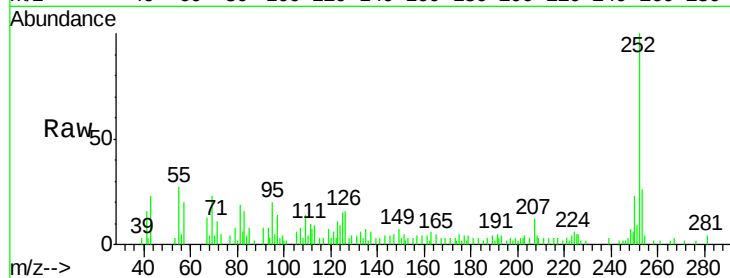
Tot Ion:252 Resp: 12502

Ion Ratio Lower Upper

252 100

253 25.9 18.0 27.0

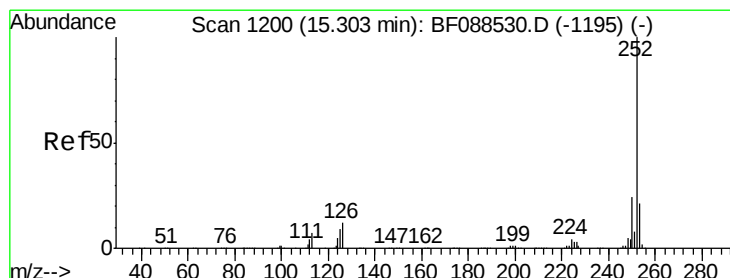
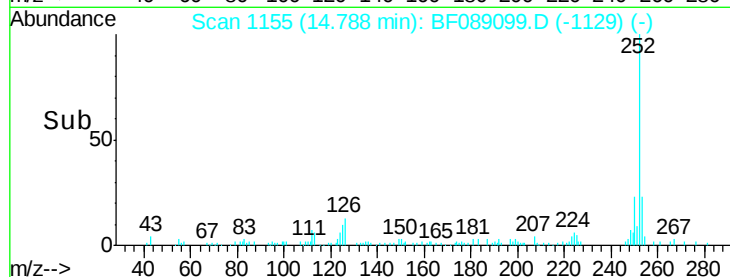
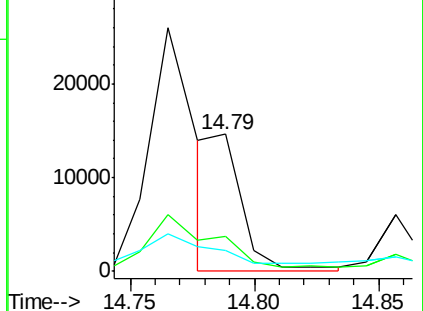
125 15.2 11.2 16.8



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: 5.89 ng m

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

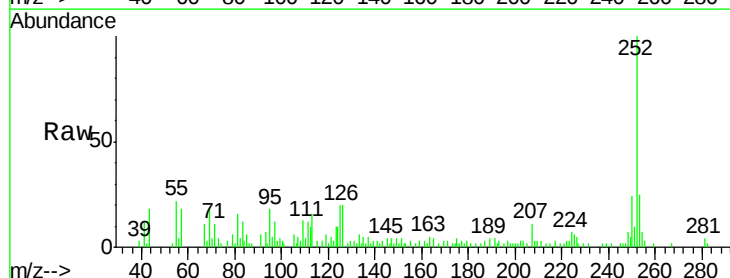
Tgt Ion:252 Resp: 22199

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

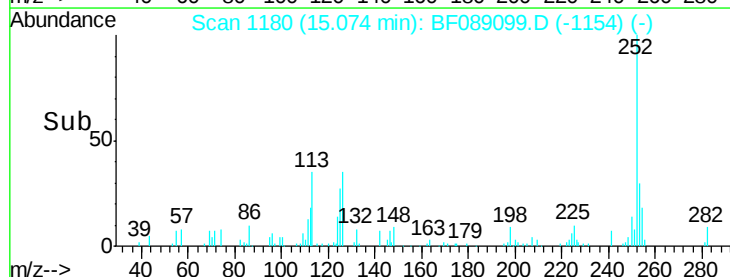
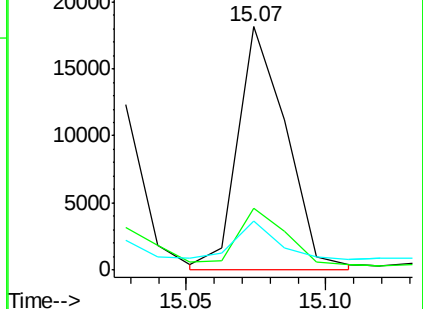
125 20.4 12.5 18.7#

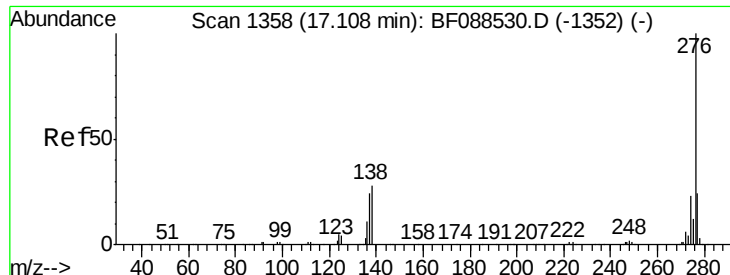


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.50 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

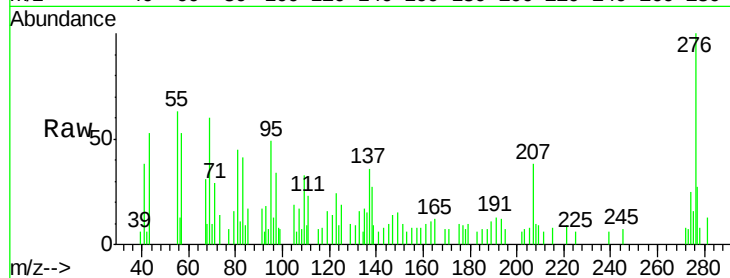
Tot Ion:276 Resp: 11402

Ion Ratio Lower Upper

276 100

277 26.5 18.9 28.3

138 27.3 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

