

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089095.D
 Acq On : 18 Jul 2016 21:41
 Operator : UM/SJ
 Sample : H4044-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M9-B5(0-6)C

Quant Time: Jul 19 04:46:25 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

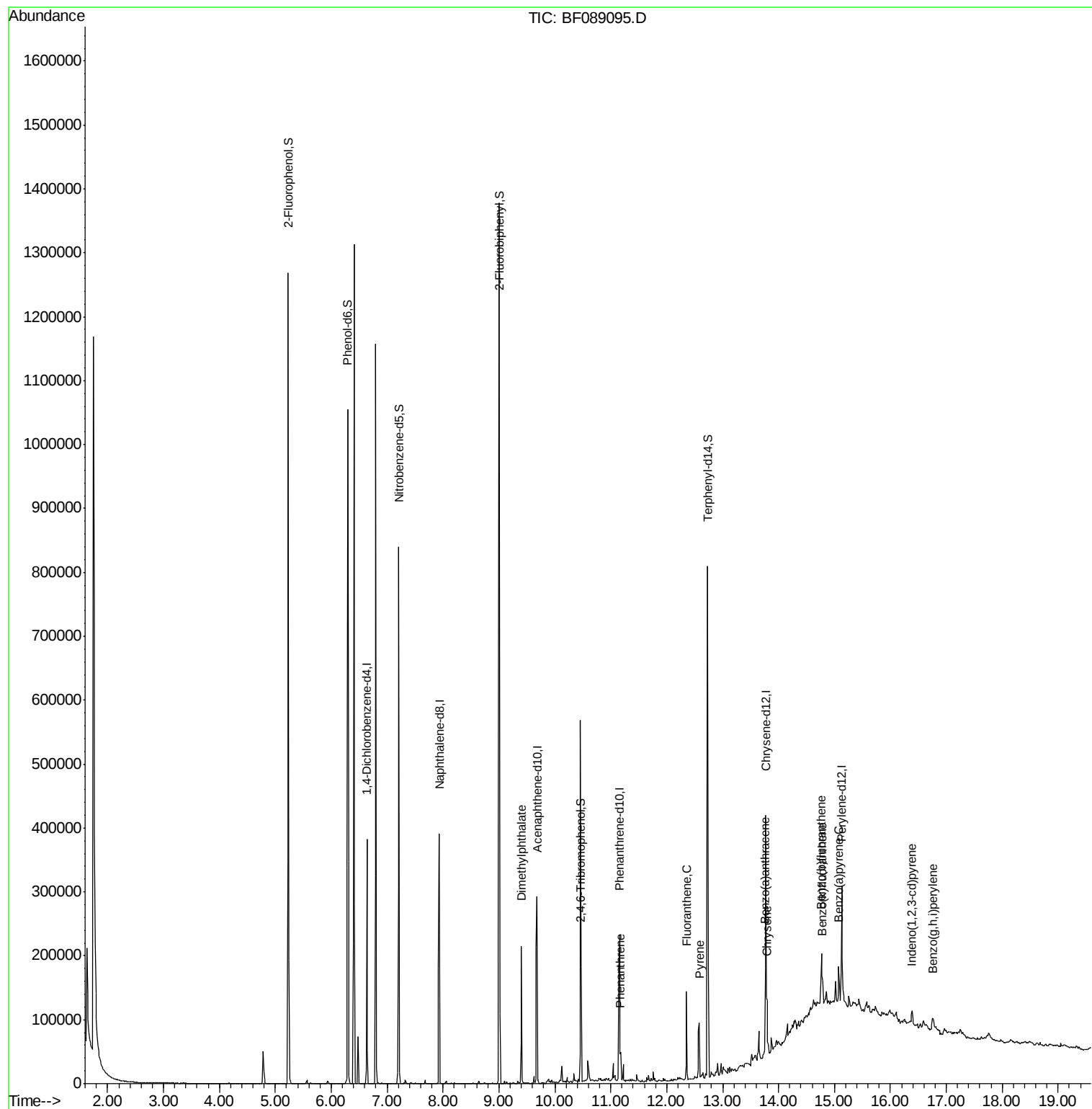
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	50594	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	199340	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	73661	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	113554	20.00	ng	0.00
75) Chrysene-d12	13.77	240	95548	20.00	ng	0.00
86) Perylene-d12	15.13	264	68896	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	349474	103.52	ng	0.01
7) Phenol-d6	6.30	99	429838	98.54	ng	0.00
23) Nitrobenzene-d5	7.21	82	286557	75.33	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	55096	80.55	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	390074	83.65	ng	0.00
78) Terphenyl-d14	12.73	244	220870	51.49	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	88979	16.96	ng	99
70) Phenanthrene	11.18	178	24449	3.94	ng	98
74) Fluoranthene	12.35	202	51359	8.16	ng	96
77) Pyrene	12.58	202	45833	5.66	ng	98
80) Benzo(a)anthracene	13.76	228	39936	6.49	ng	99
82) Chrysene	13.79	228	26318m	4.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	12262	2.62	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	34808m	8.05	ng	
88) Benzo(k)fluoranthene	14.79	252	11793m	3.13	ng	
89) Benzo(a)pyrene	15.07	252	22609m	6.18	ng	
91) Benzo(g,h,i)perylene	16.75	276	9465	2.99	ng	# 90

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

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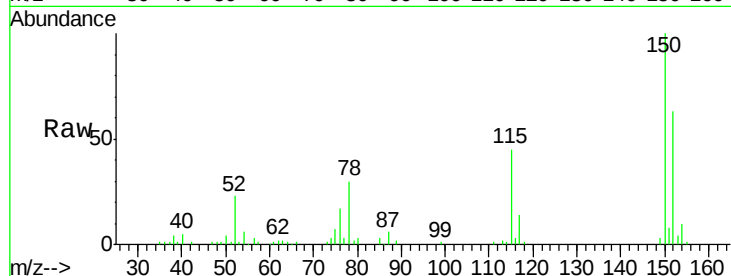


#1

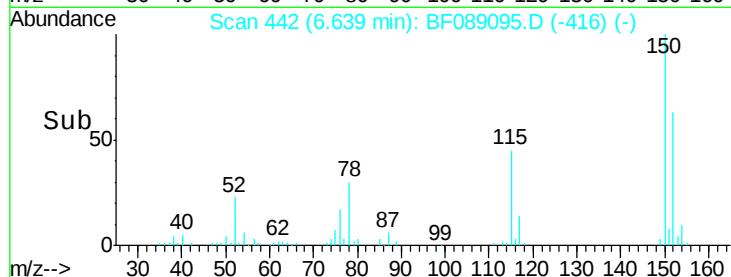
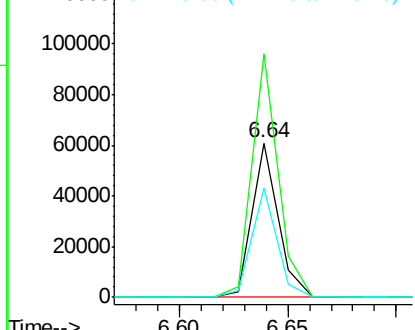
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

Instrument :
BNA_F
ClientSampleId :
M9-B5(0-6)C

Tot Ion:152 Resp: 50594
Ion Ratio Lower Upper
152 100
150 157.9 123.8 185.6
115 70.8 39.6 59.4#



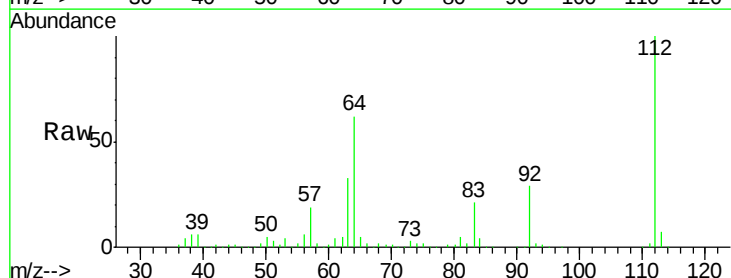
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



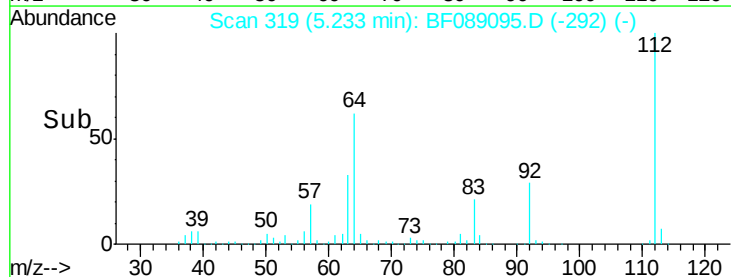
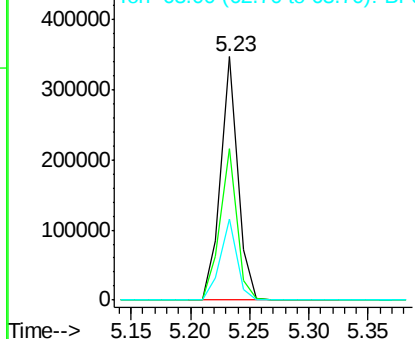
#5

2-Fluorophenol
Concen: 103.52 ng
RT: 5.23 min Scan# 319
Delta R.T. 0.01 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

Tgt Ion:112 Resp: 349474
Ion Ratio Lower Upper
112 100
64 61.9 42.2 63.2
63 33.3 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: 98.54 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampleId :

M9-B5(0-6)C

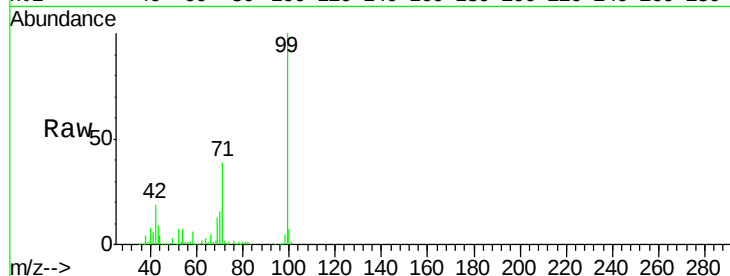
Tot Ion: 99 Resp: 429838

Ion Ratio Lower Upper

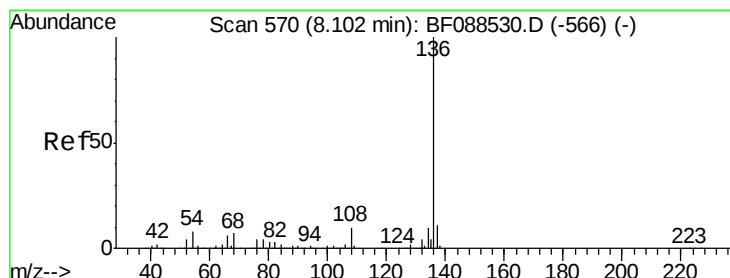
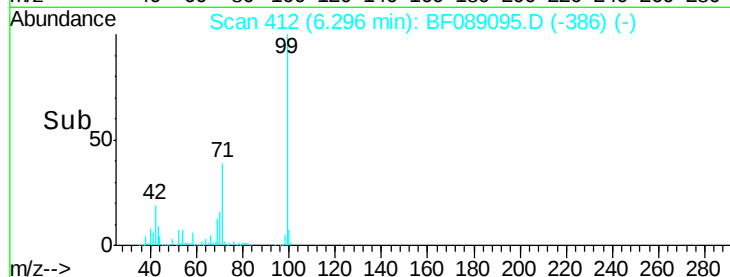
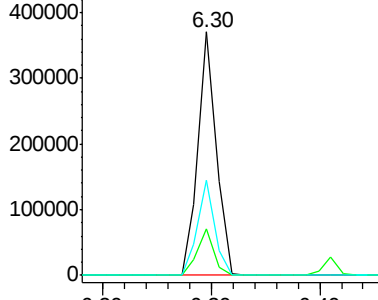
99 100

42 19.0 12.2 18.2#

71 39.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Tgt Ion: 136 Resp: 199340

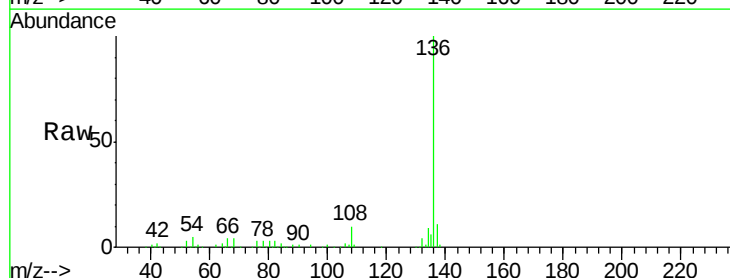
Ion Ratio Lower Upper

136 100

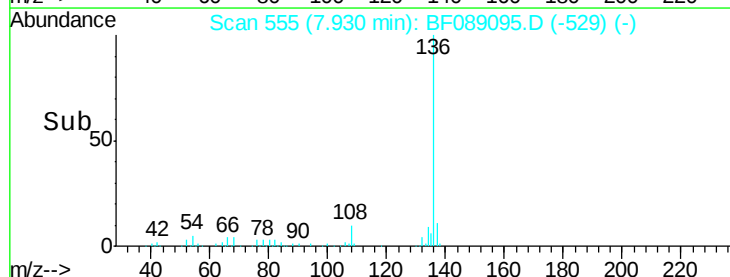
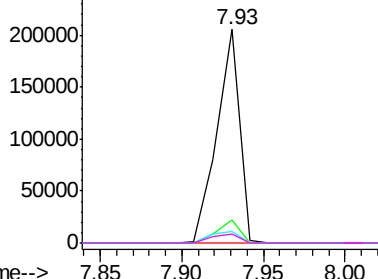
137 10.7 9.1 13.7

54 5.2 6.6 10.0#

68 4.5 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

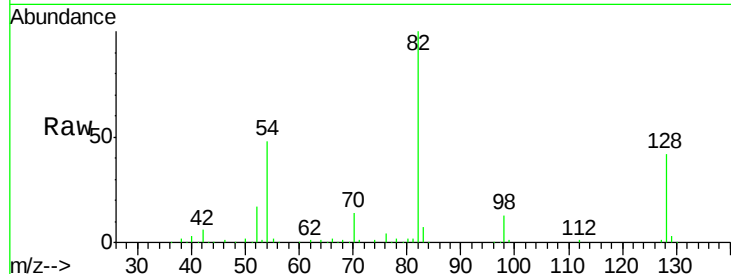




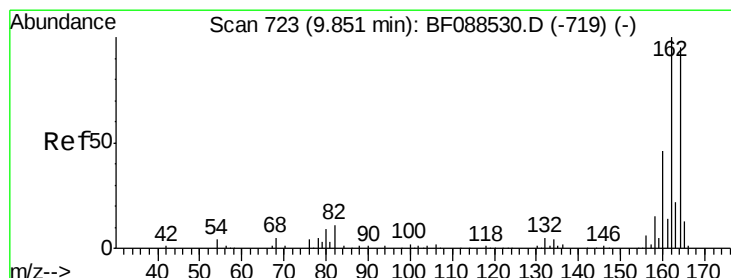
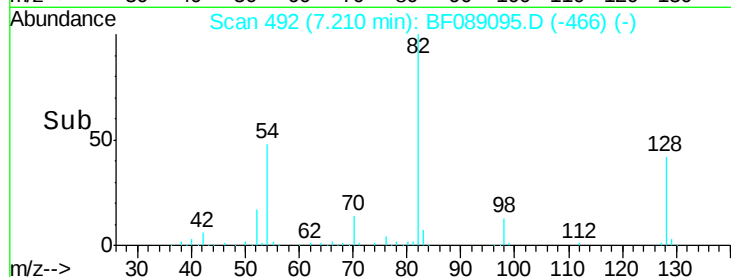
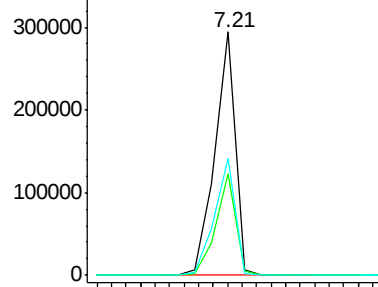
#23
 Nitrobenzene-d5
 Concen: 75.33 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 M9-B5(0-6)C

Tot Ion	82	Resp	286557
Ion Ratio	100	Lower	Upper
128	41.6	35.9	53.9
54	48.0	40.9	61.3

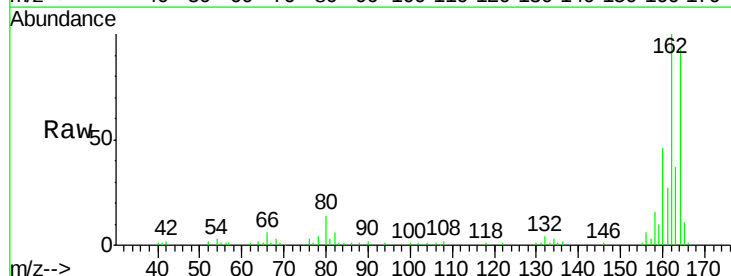


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

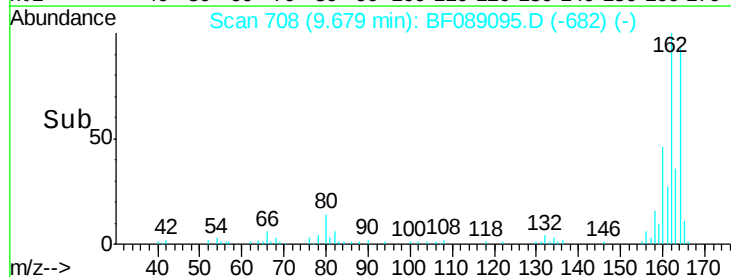
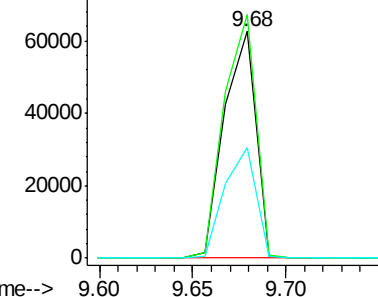


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

Tgt Ion	164	Resp	73661
Ion Ratio	100	Lower	Upper
162	107.5	85.4	128.2
160	49.1	39.5	59.3



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

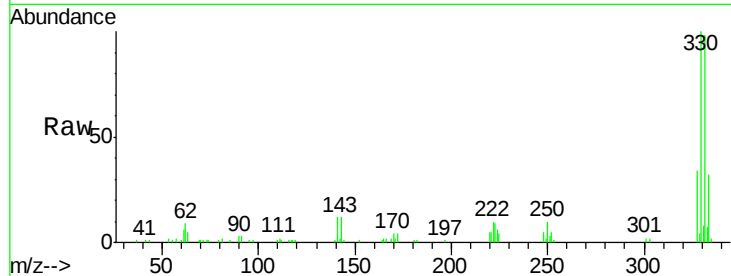




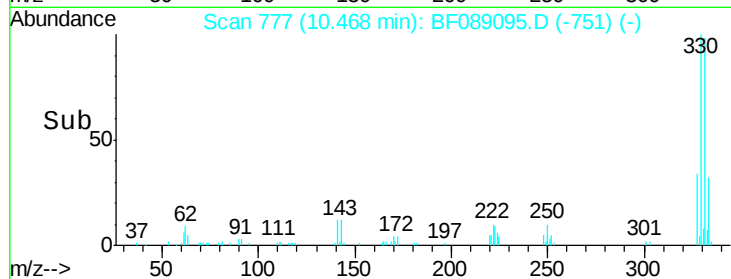
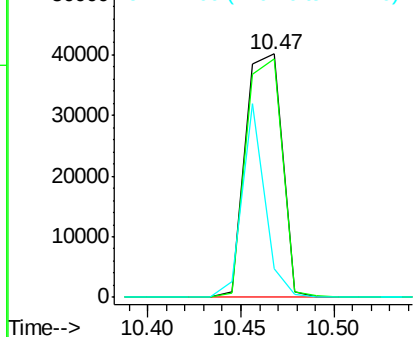
#41
 2,4,6-Tribromophenol
 Concen: 80.55 ng
 RT: 10.47 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

Instrument :
 BNA_F
 ClientSampleId :
 M9-B5(0-6)C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	49.1	0.0	0.0#

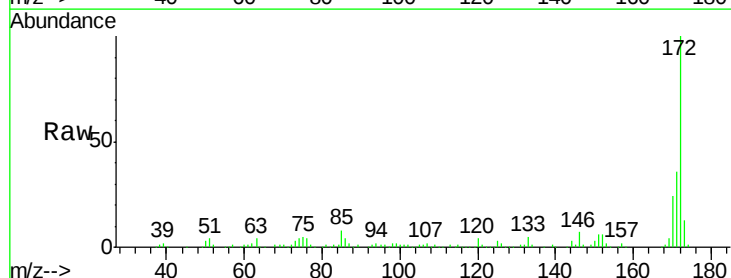


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

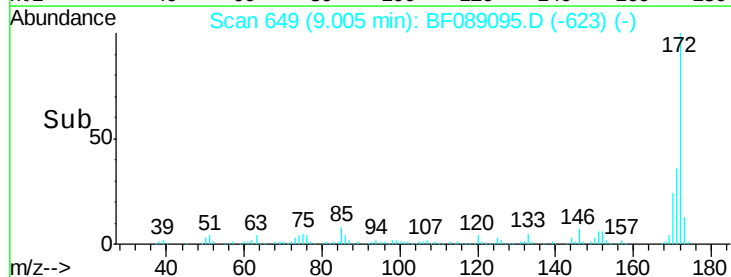
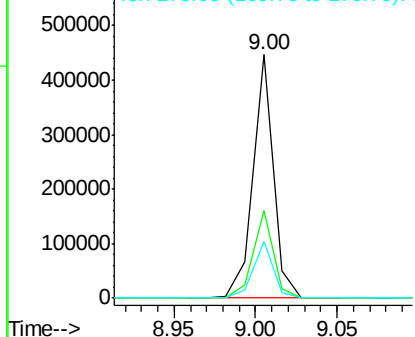


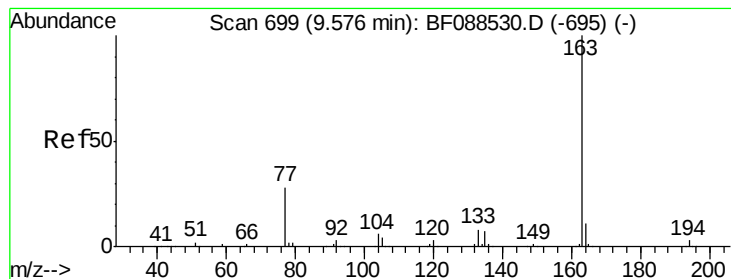
#44
 2-Fluorobiphenyl
 Concen: 83.65 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.5	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: 16.96 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampleId :

M9-B5(0-6)C

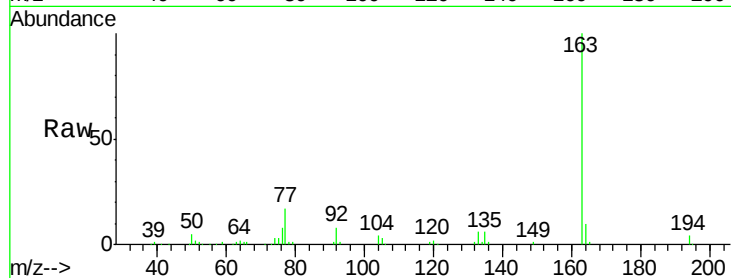
Tot Ion:163 Resp: 88979

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

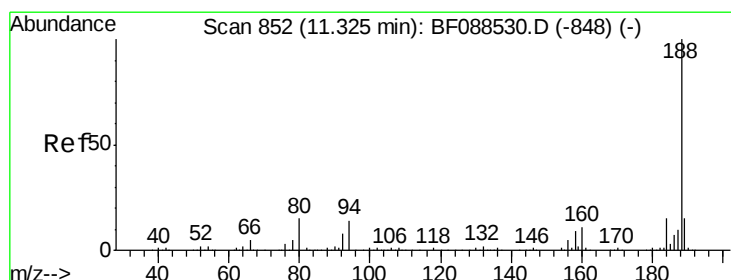
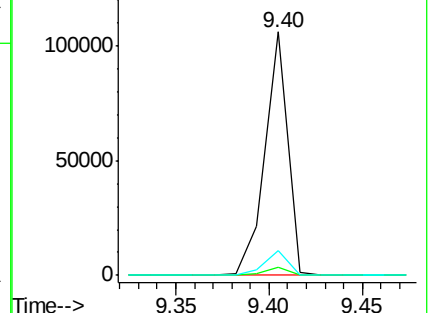
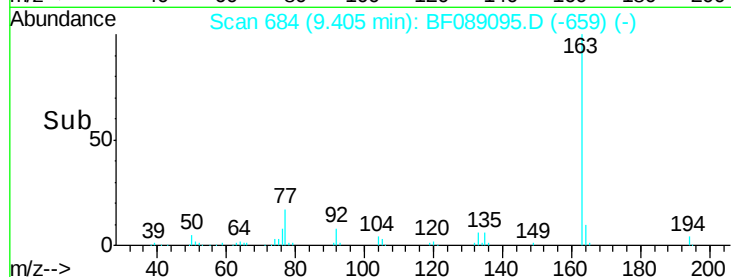
164 10.0 8.3 12.5



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: BF089095.D

Acq: 18 Jul 2016 21:41

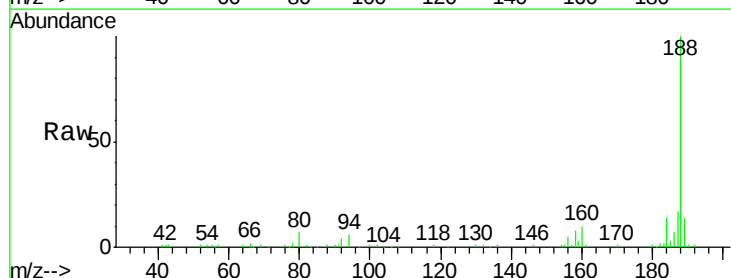
Tgt Ion:188 Resp: 113554

Ion Ratio Lower Upper

188 100

94 6.3 9.0 13.6#

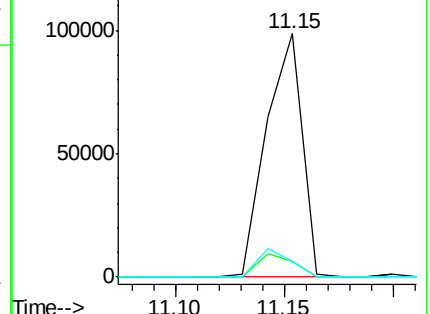
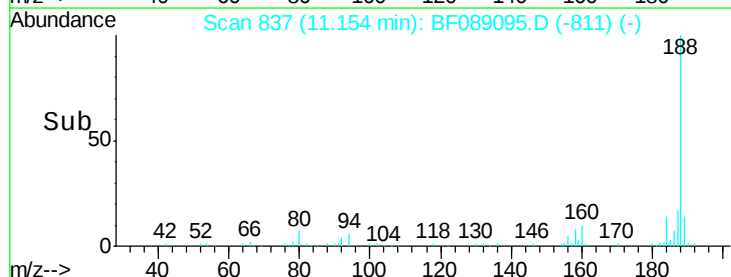
80 6.7 10.0 15.0#



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

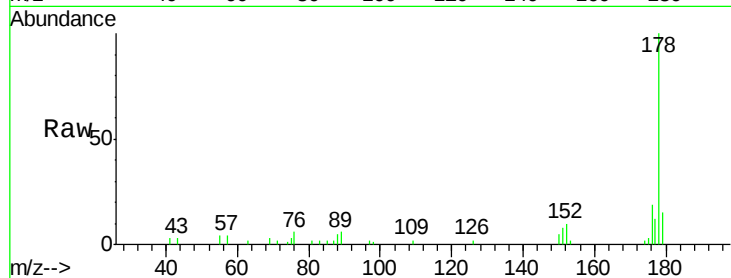




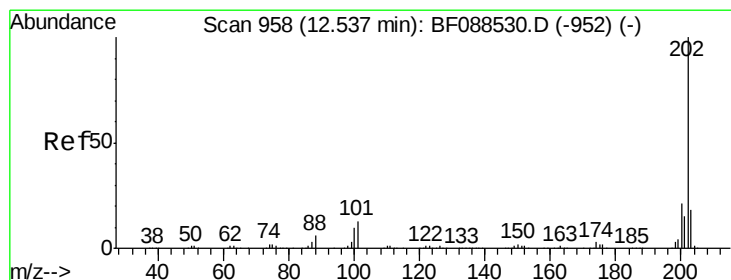
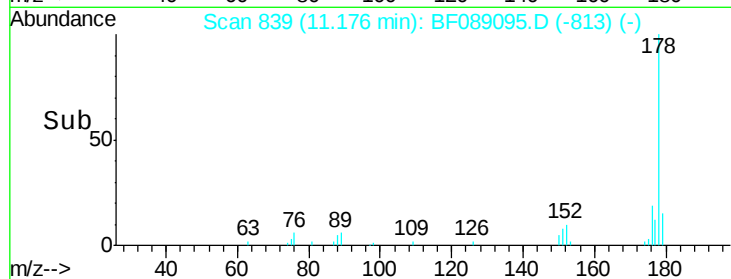
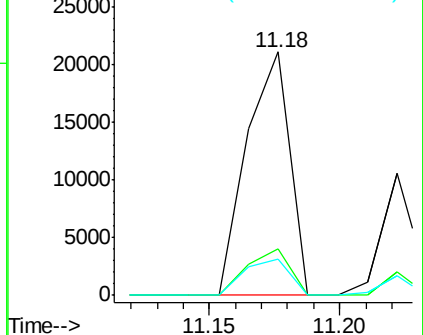
#70
Phenanthrene
Concen: 3.94 ng
RT: 11.18 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

Instrument :
BNA_F
ClientSampleId :
M9-B5(0-6)C

Tot Ion:178 Resp: 24449
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.1 13.0 19.4

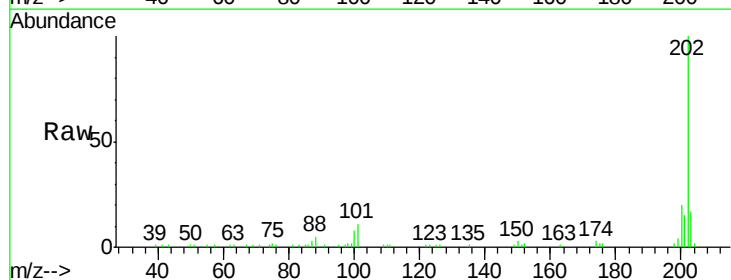


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

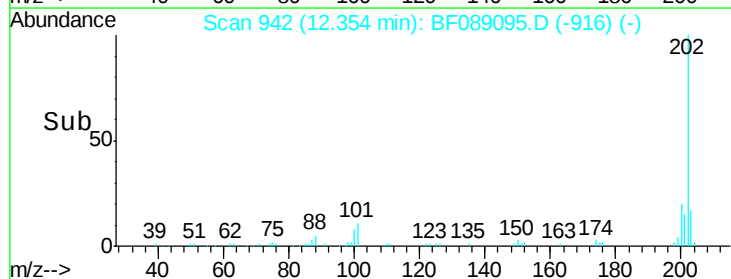
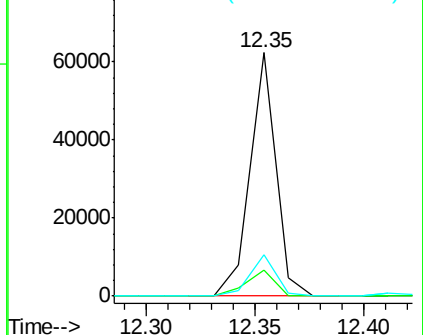


#74
Fluoranthene
Concen: 8.16 ng
RT: 12.35 min Scan# 942
Delta R.T. 0.00 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

Tgt Ion:202 Resp: 51359
Ion Ratio Lower Upper
202 100
101 10.8 0.0 33.1
203 17.0 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: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampleId :

M9-B5(0-6)C

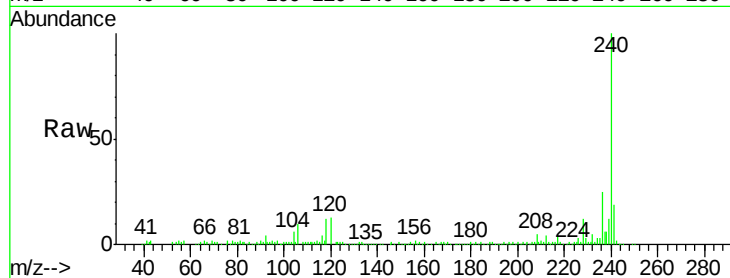
Tot Ion:240 Resp: 95548

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

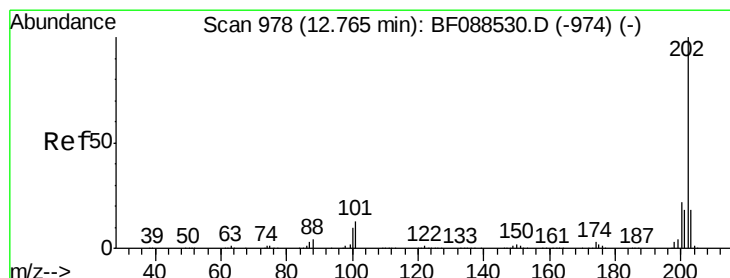
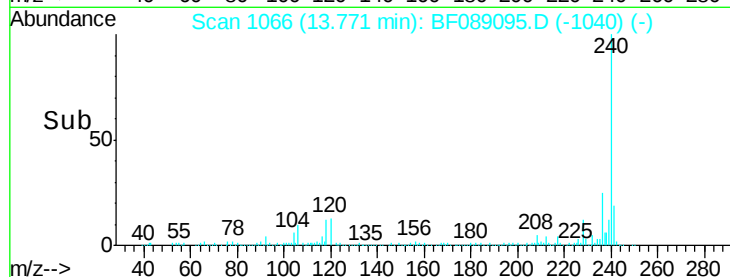
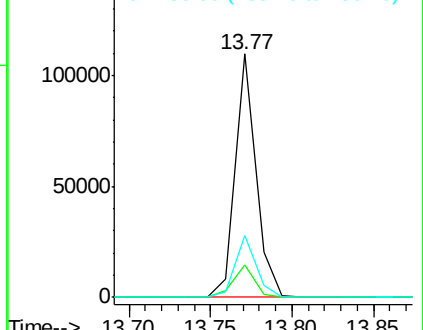
236 25.3 20.2 30.2



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: 5.66 ng

RT: 12.58 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

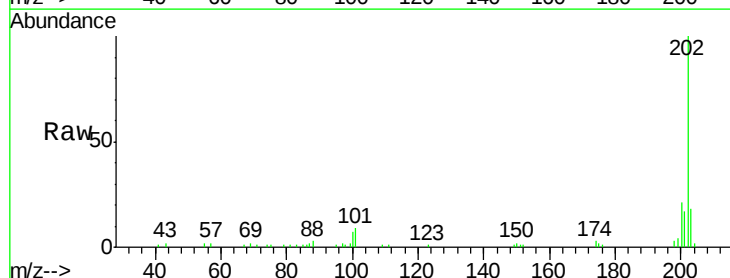
Tgt Ion:202 Resp: 45833

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

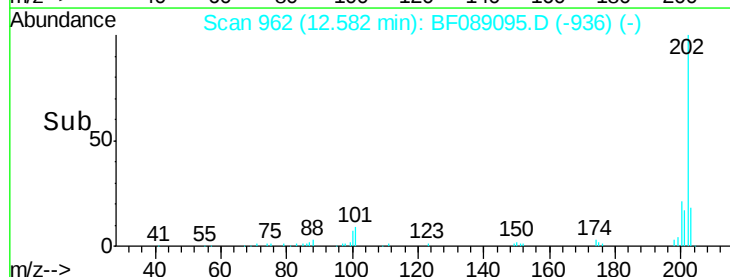
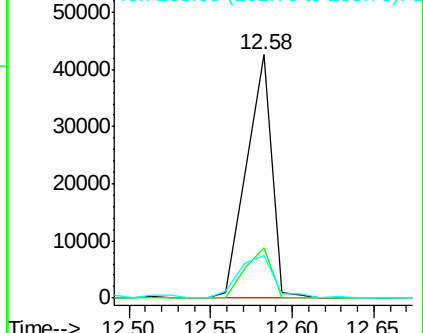
203 17.6 14.5 21.7



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

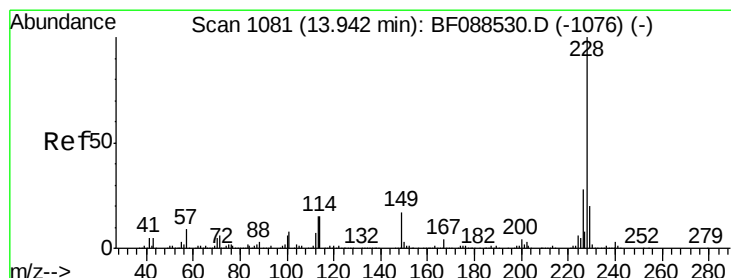
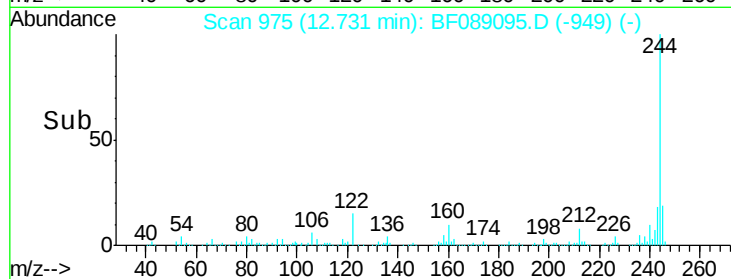
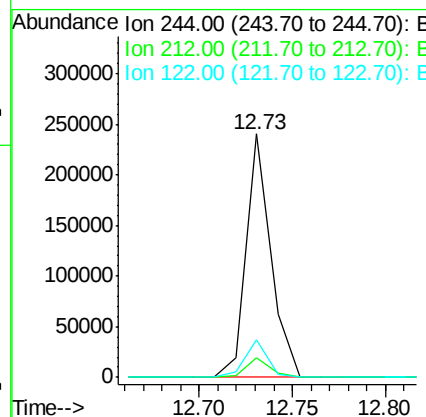
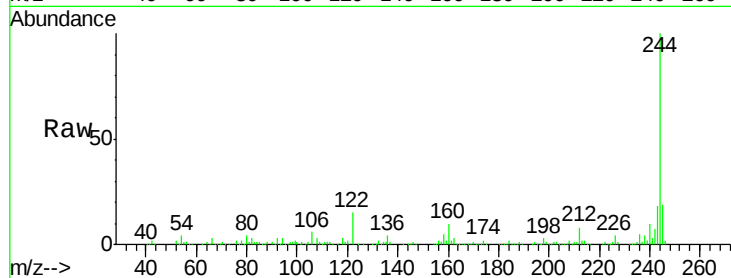




#78
 Terphenyl-d14
 Concen: 51.49 ng
 RT: 12.73 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

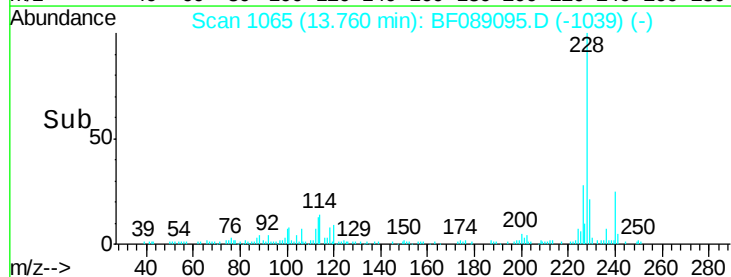
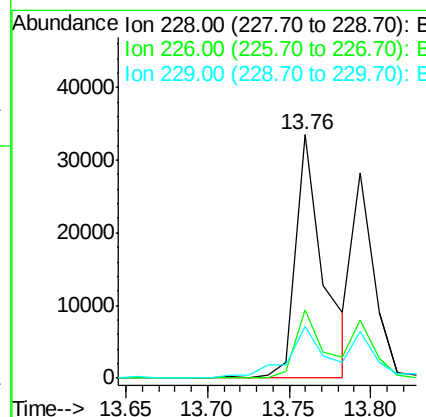
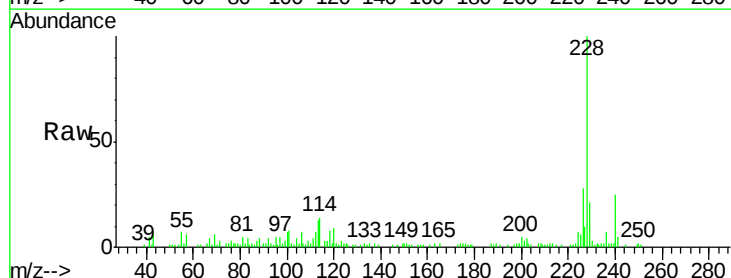
Instrument :
 BNA_F
 ClientSampleId :
 M9-B5(0-6)C

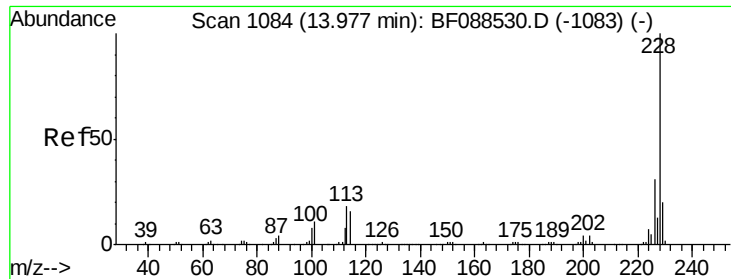
Tot Ion:244 Resp: 220870
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 15.4 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 6.49 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF089095.D
 Acq: 18 Jul 2016 21:41

Tgt Ion:228 Resp: 39936
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.3 33.5
 229 21.2 16.0 24.0





#82

Chrysene

Concen: 4.32 ng/mL

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampled :

M9-B5(0-6)C

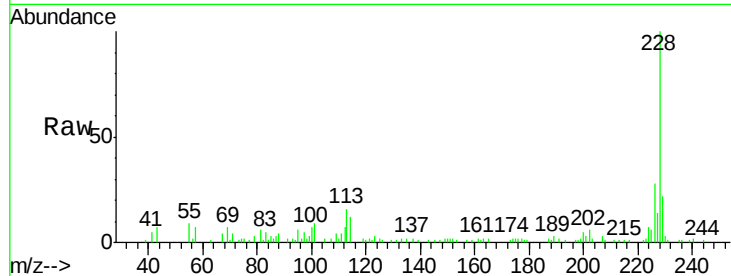
Tot Ion: 228 Resp: 26318

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.2

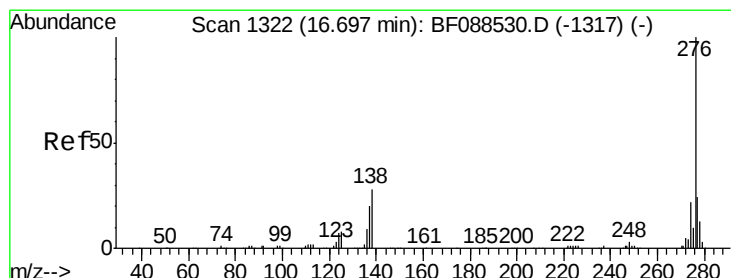
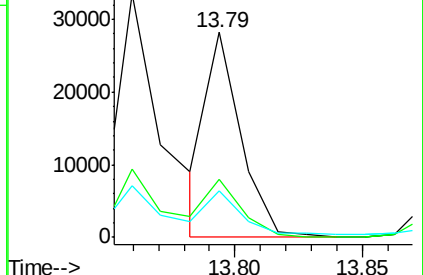
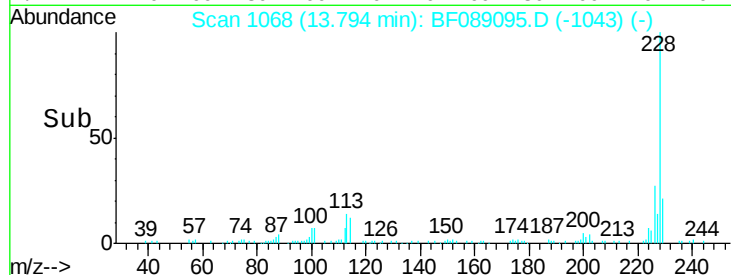
229 22.4 16.3 24.5



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: 2.62 ng/mL

RT: 16.39 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

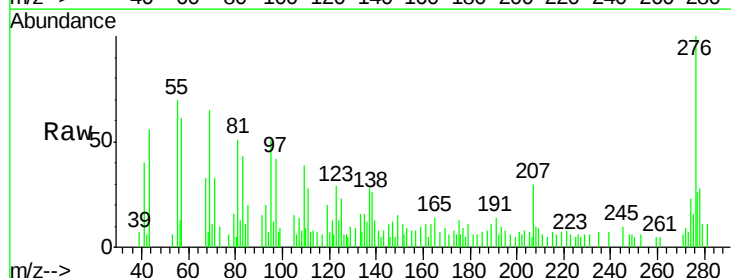
Tgt Ion: 276 Resp: 12262

Ion Ratio Lower Upper

276 100

138 34.0 0.0 0.0#

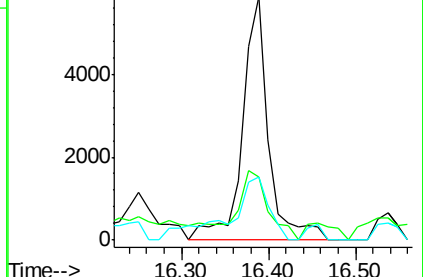
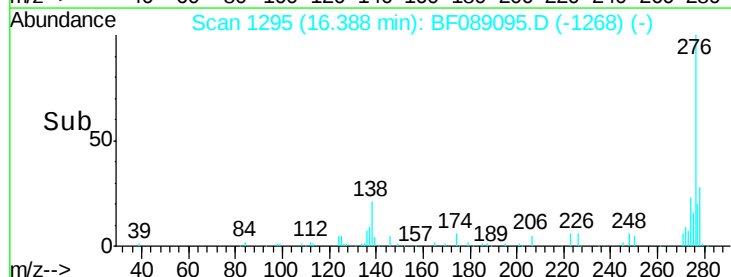
277 40.7 0.0 0.0#

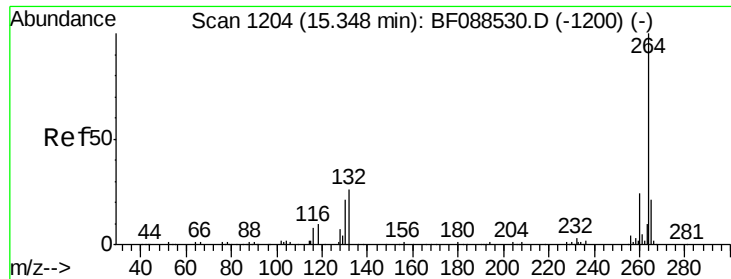


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

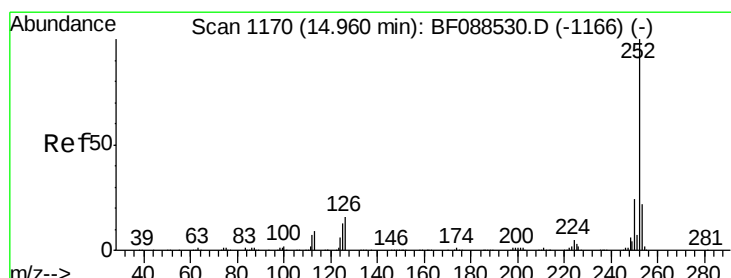
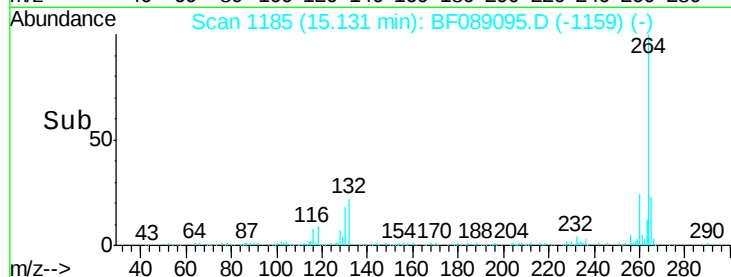
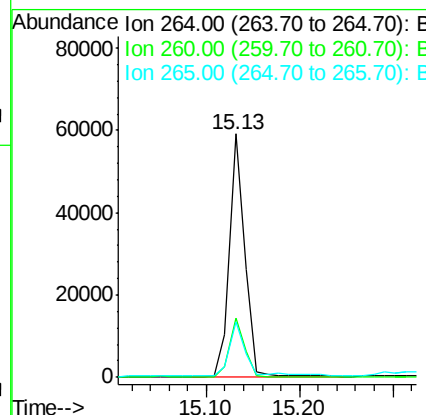
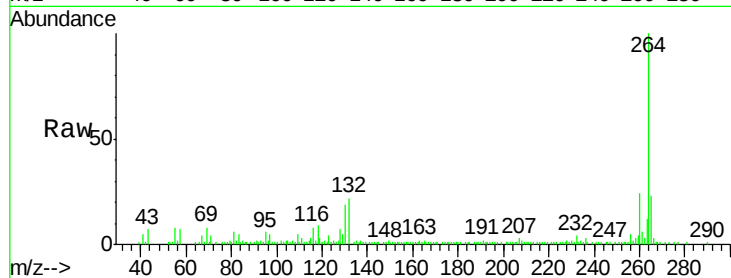




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

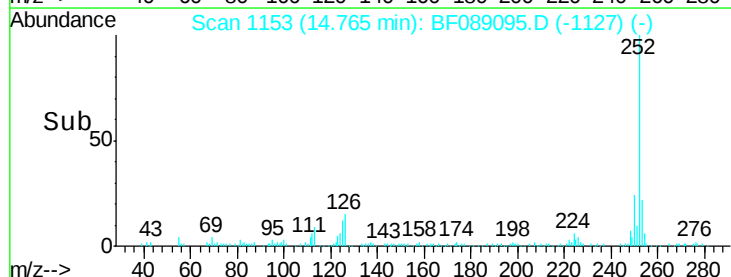
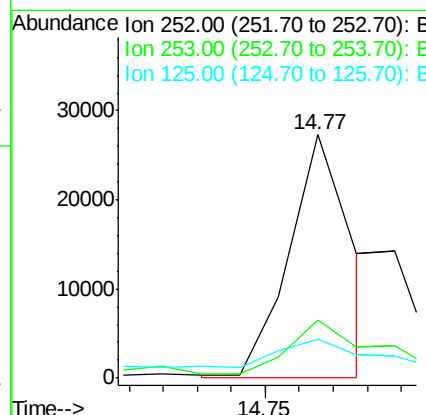
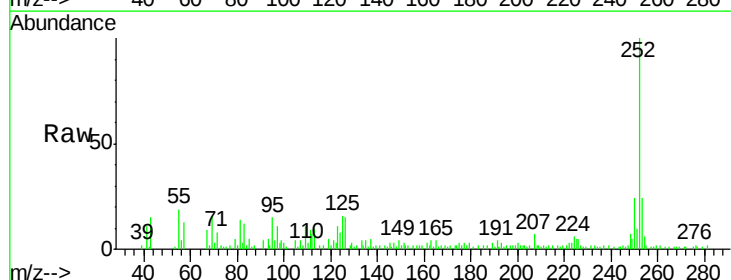
Instrument :
BNA_F
ClientSampleId :
M9-B5(0-6)C

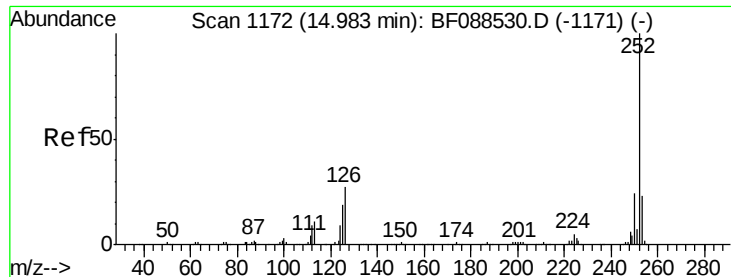
Tot Ion:264 Resp: 68896
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.9 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 8.05 ng m
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF089095.D
Acq: 18 Jul 2016 21:41

Tgt Ion:252 Resp: 34808
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 15.8 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.13 ng m

RT: 14.79 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampleId :

M9-B5(0-6)C

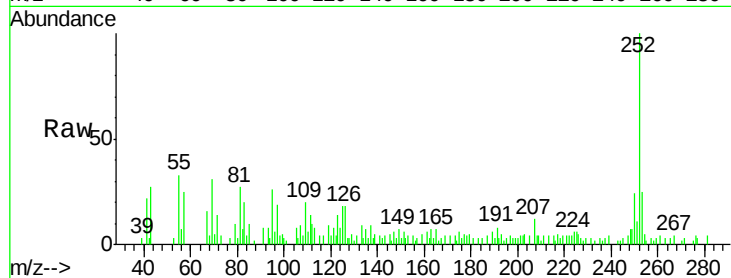
Tot Ion:252 Resp: 11793

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

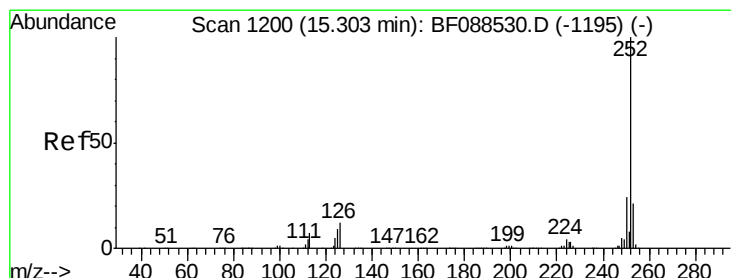
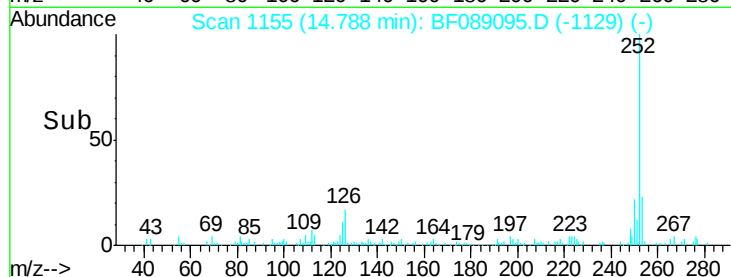
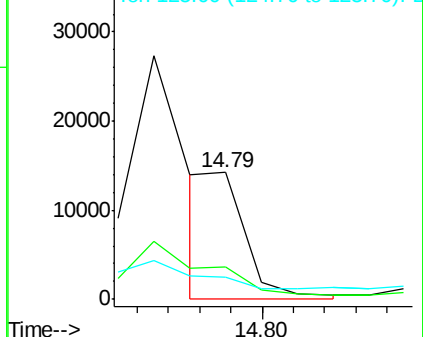
125 17.6 11.2 16.8#



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: 6.18 ng m

RT: 15.07 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

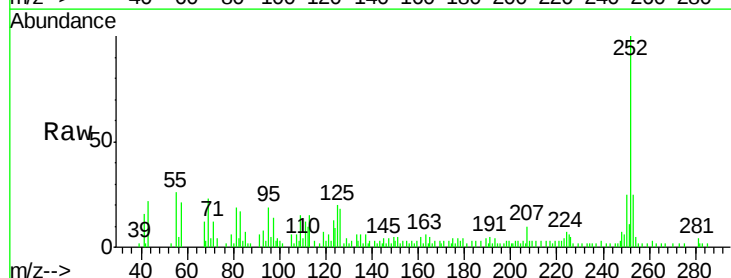
Tgt Ion:252 Resp: 22609

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

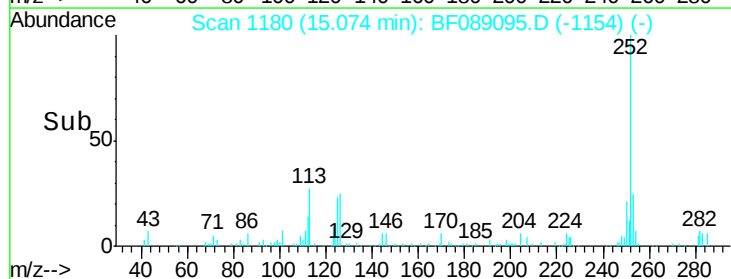
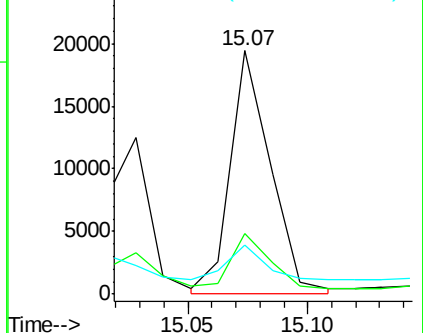
125 19.9 12.5 18.7#

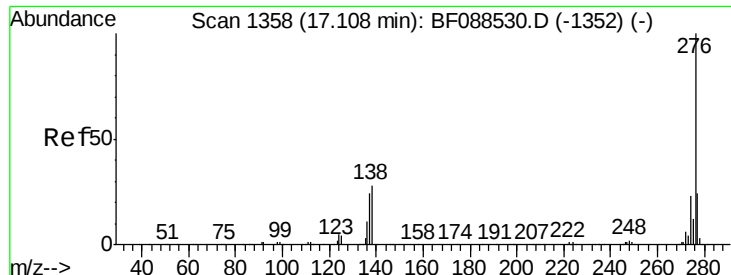


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.99 ng

RT: 16.75 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF089095.D

Acq: 18 Jul 2016 21:41

Instrument :

BNA_F

ClientSampleId :

M9-B5(0-6)C

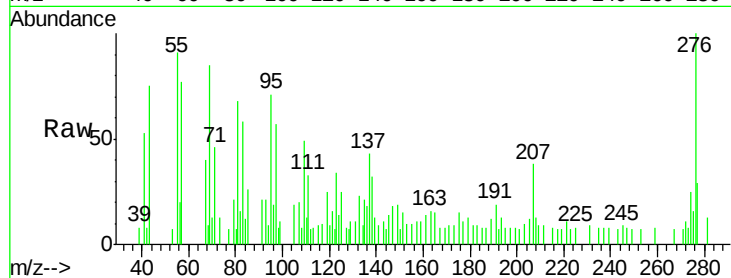
Tot Ion: 276 Resp: 9465

Ion Ratio Lower Upper

276 100

277 28.7 18.9 28.3#

138 32.0 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

