

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071816\
 Data File : BF089098.D
 Acq On : 18 Jul 2016 23:11
 Operator : UM/SJ
 Sample : H4046-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

Quant Time: Jul 19 05:00:16 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

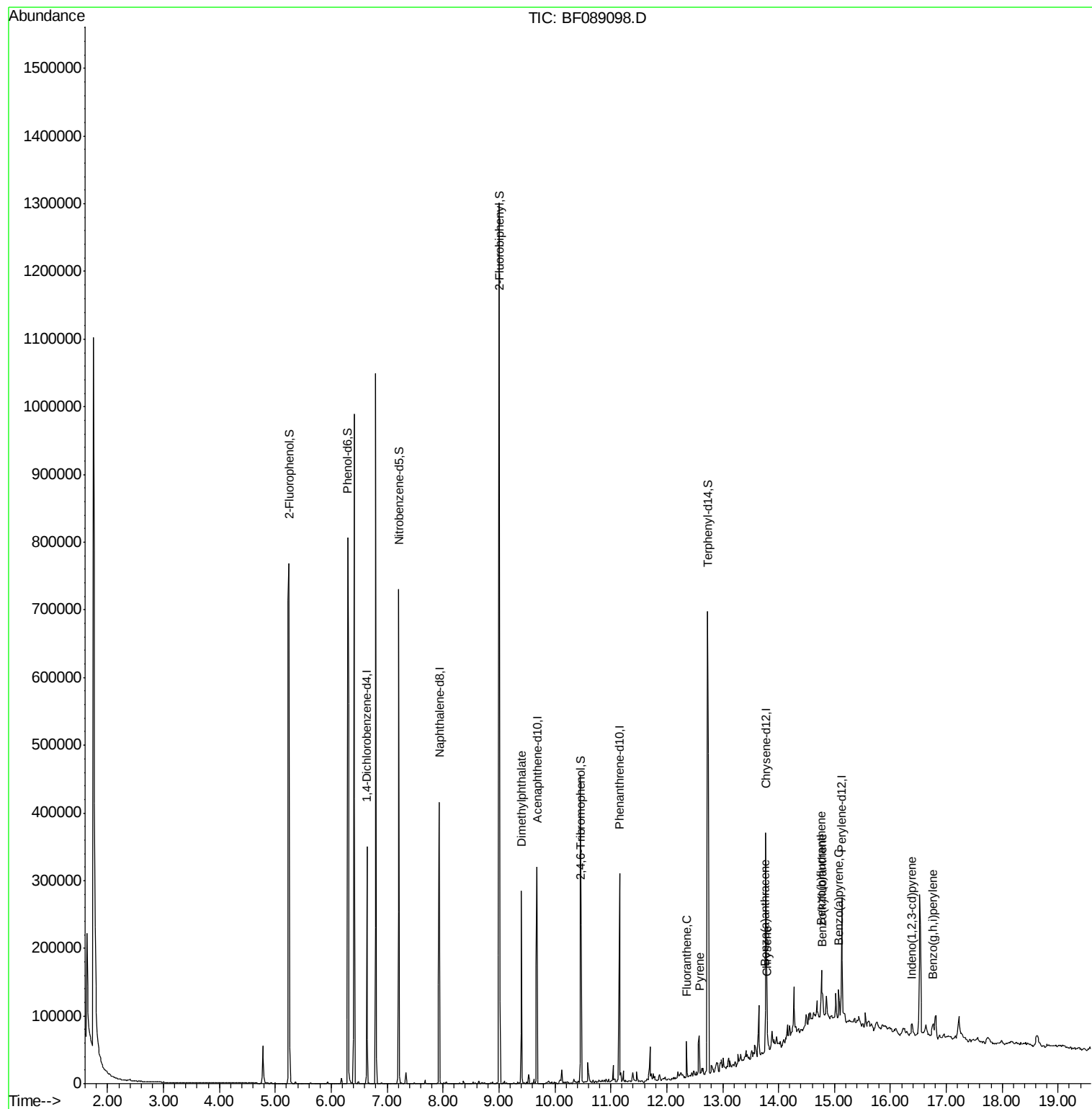
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	47574	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	194180	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	72783	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	124734	20.00	ng	0.00
75) Chrysene-d12	13.77	240	93109	20.00	ng	0.00
86) Perylene-d12	15.13	264	69128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	312347	98.40	ng	0.02
7) Phenol-d6	6.30	99	376141	91.70	ng	0.00
23) Nitrobenzene-d5	7.21	82	243607	65.74	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	53810	79.62	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	362576	78.69	ng	0.00
78) Terphenyl-d14	12.73	244	259943	62.18	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	112711	21.74	ng	99
74) Fluoranthene	12.35	202	18161	2.63	ng	99
77) Pyrene	12.58	202	22450	2.84	ng	99
80) Benzo(a)anthracene	13.76	228	21737m	3.63	ng	
82) Chrysene	13.79	228	16476m	2.78	ng	
85) Indeno(1,2,3-cd)pyrene	16.39	276	10296	2.26	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	27126m	6.26	ng	
88) Benzo(k)fluoranthene	14.78	252	10089m	2.67	ng	
89) Benzo(a)pyrene	15.07	252	16430	4.47	ng	# 89
91) Benzo(g,h,i)perylene	16.77	276	8717	2.75	ng	95

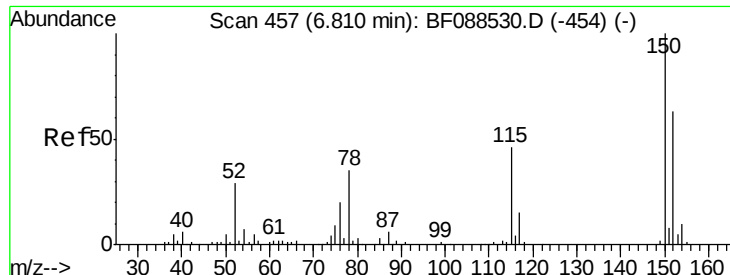
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampled :

C5-5

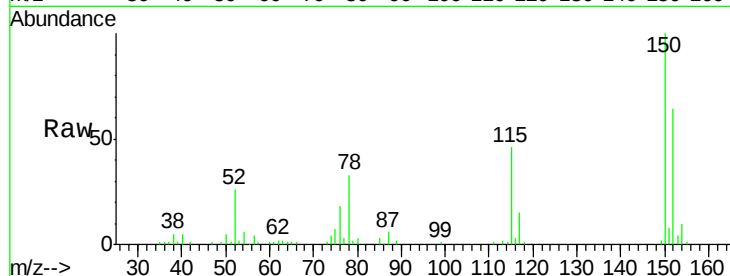
Tot Ion:152 Resp: 47574

Ion Ratio Lower Upper

152 100

150 156.1 123.8 185.6

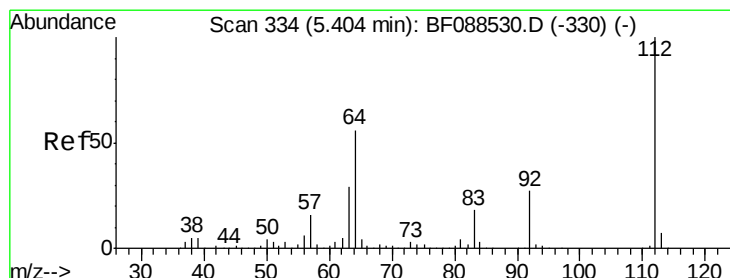
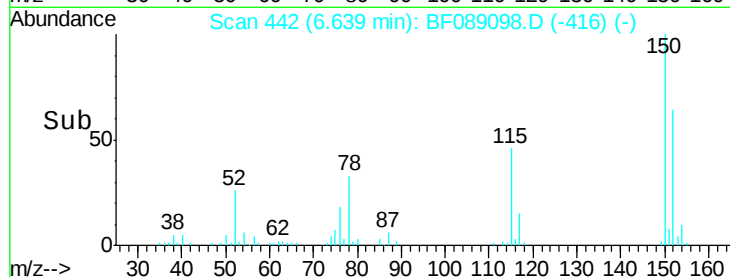
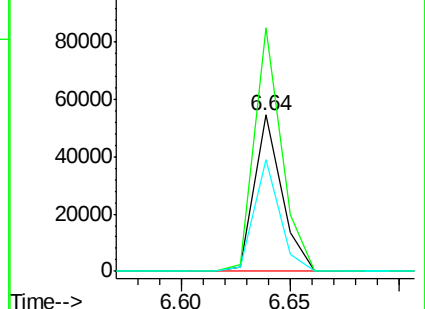
115 71.4 39.6 59.4#



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: 98.40 ng

RT: 5.24 min Scan# 320

Delta R.T. 0.02 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

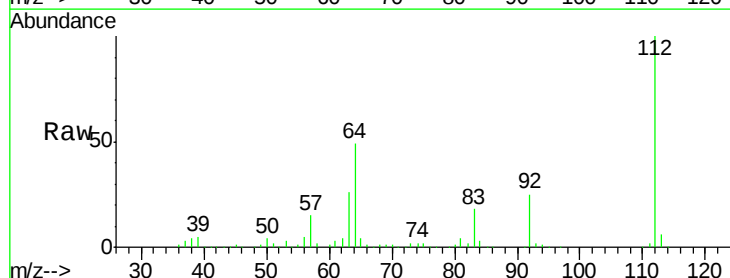
Tgt Ion:112 Resp: 312347

Ion Ratio Lower Upper

112 100

64 49.4 42.2 63.2

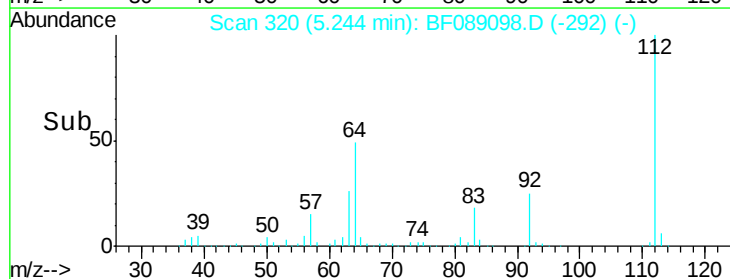
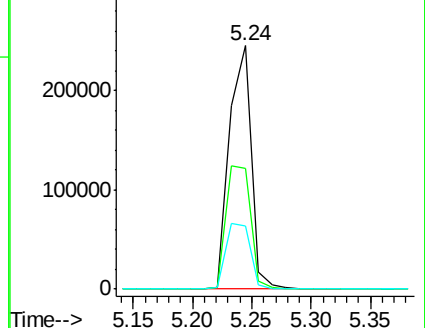
63 26.0 21.8 32.8



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: 91.70 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

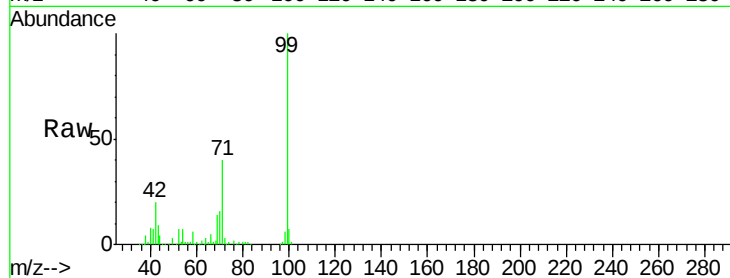
Tot Ion: 99 Resp: 376141

Ion Ratio Lower Upper

99 100

42 19.5 12.2 18.2#

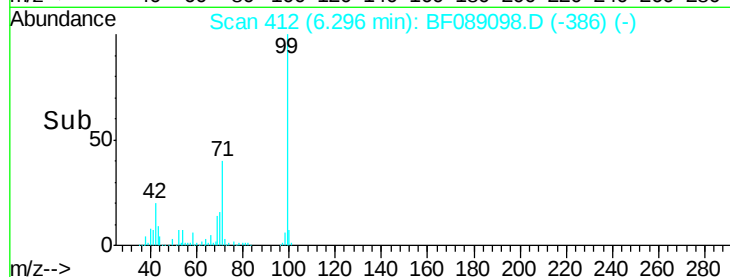
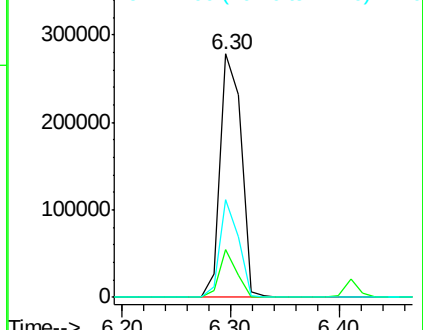
71 40.2 23.4 35.0#



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: BF089098.D

Acq: 18 Jul 2016 23:11

Tgt Ion: 136 Resp: 194180

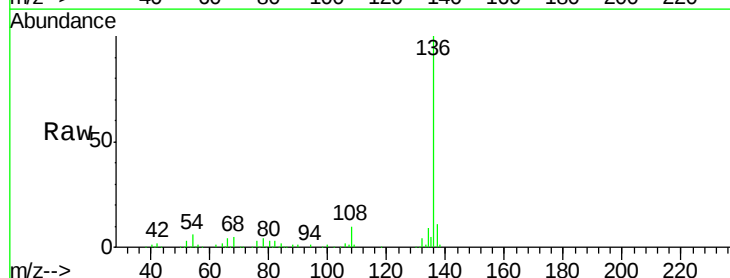
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 6.6 10.0#

68 4.7 5.1 7.7#

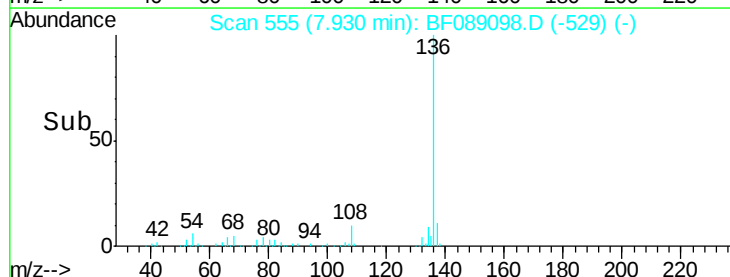
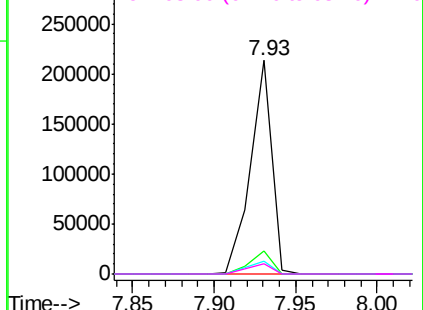


Abundance Ion 136.00 (135.70 to 136.70): E

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

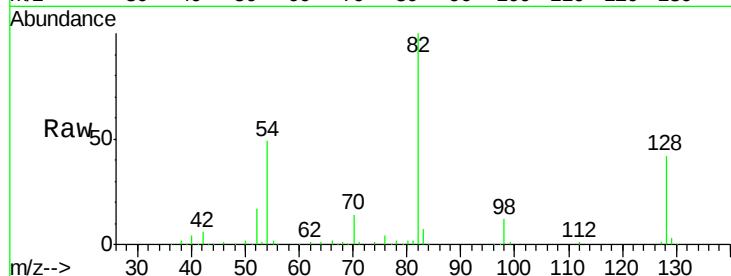




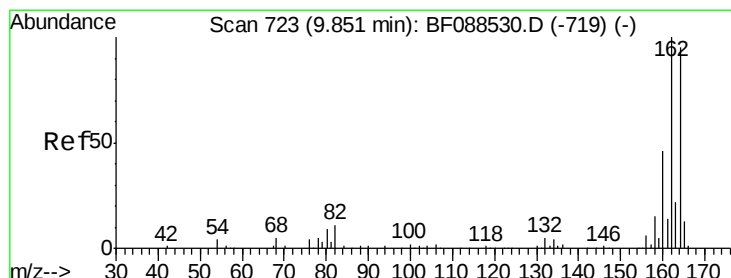
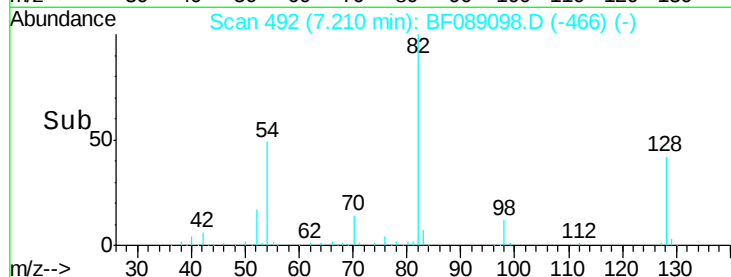
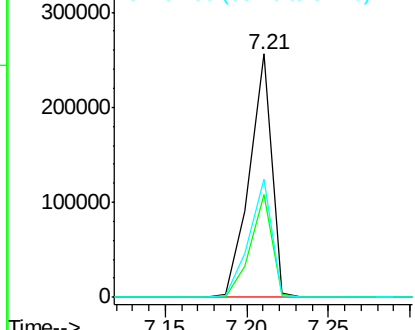
#23
 Nitrobenzene-d5
 Concen: 65.74 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

Tot Ion	82	Resp	243607
Ion Ratio	100	Lower	Upper
128	42.1	35.9	53.9
54	48.6	40.9	61.3

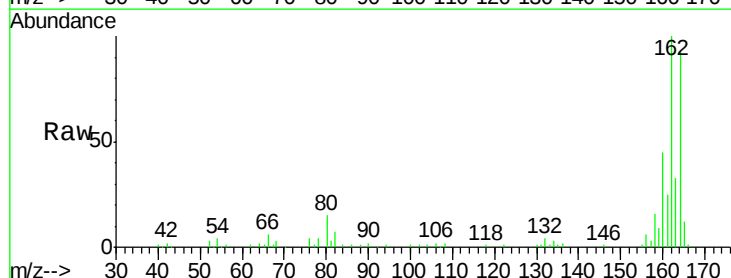


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

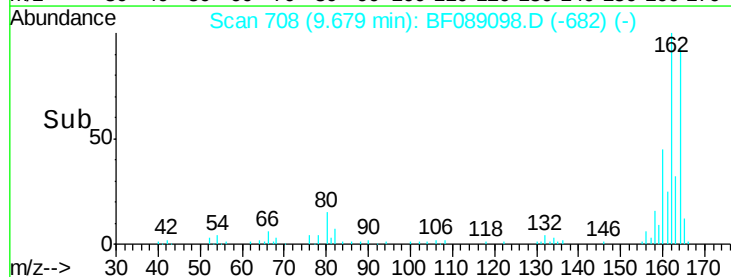
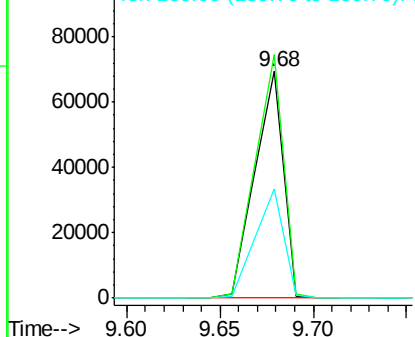


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Tgt Ion	164	Resp	72783
Ion Ratio	100	Lower	Upper
162	107.4	85.4	128.2
160	48.4	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

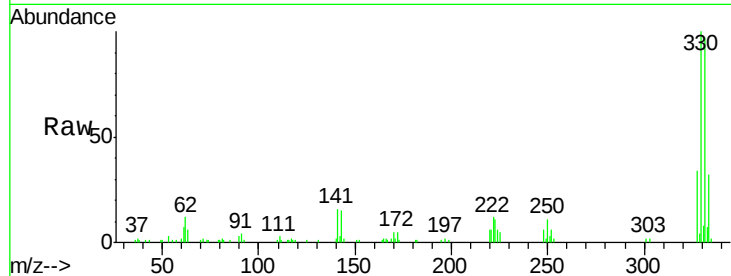




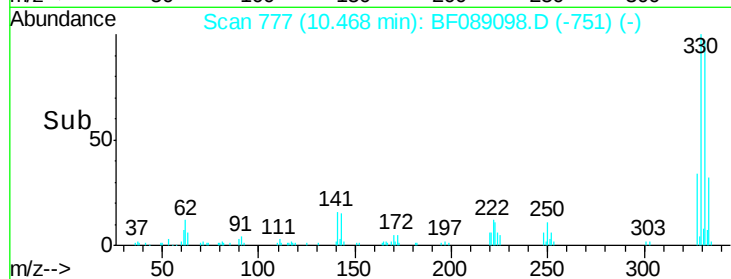
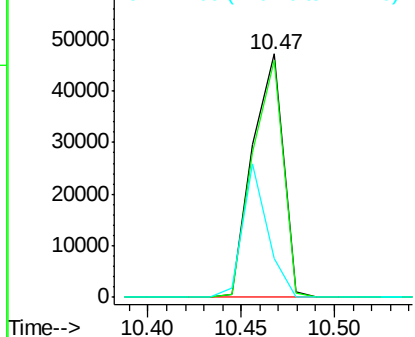
#41
 2,4,6-Tribromophenol
 Concen: 79.62 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	44.8	0.0	0.0#

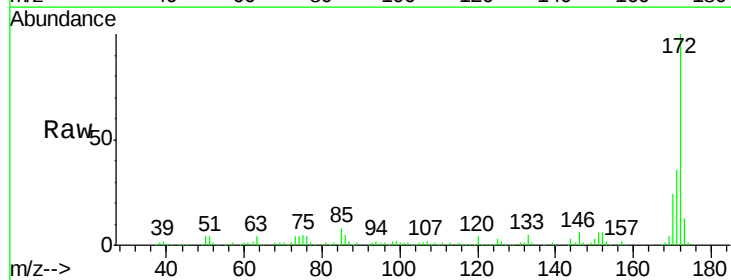


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

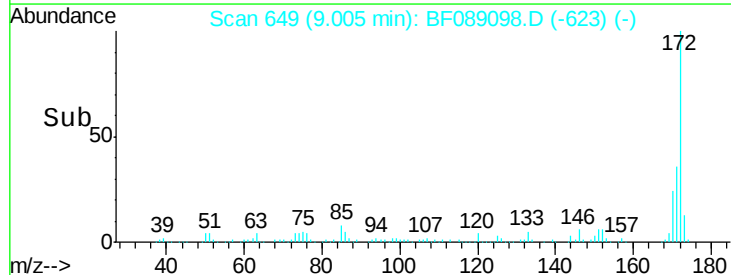
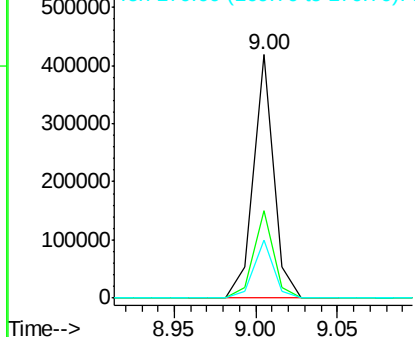


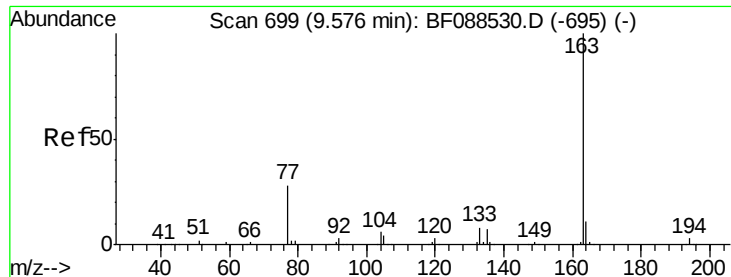
#44
 2-Fluorobiphenyl
 Concen: 78.69 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	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

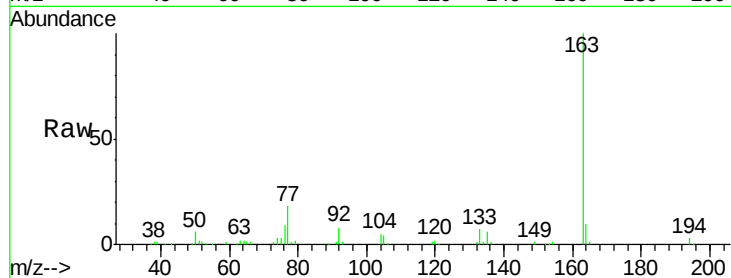




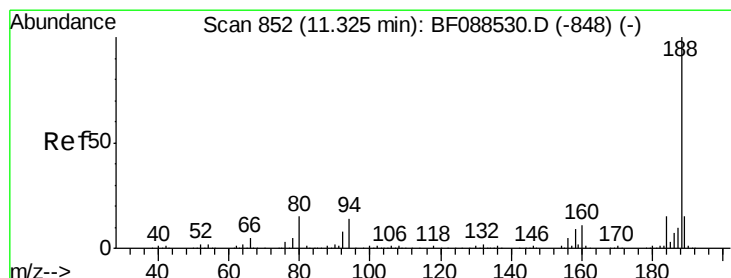
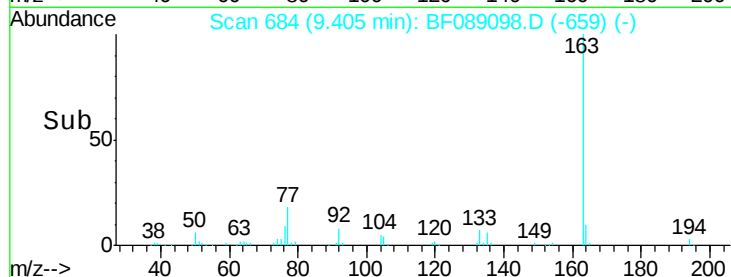
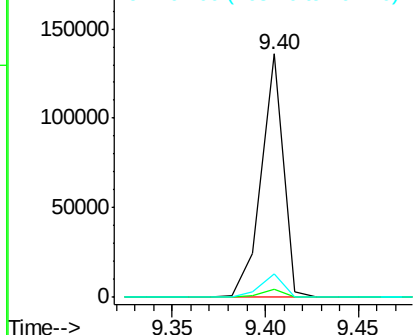
#49
Dimethylphthalate
Concen: 21.74 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

Instrument :
BNA_F
ClientSampleId :
C5-5

Tot Ion:163 Resp: 112711
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.7 8.3 12.5

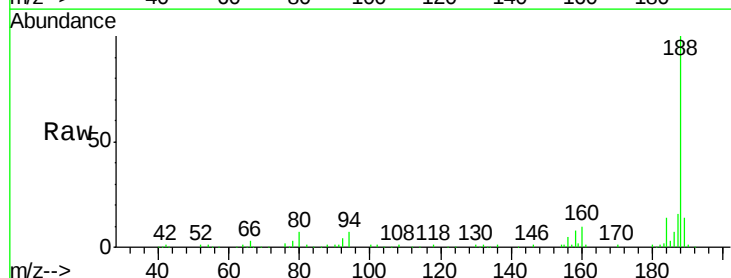


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

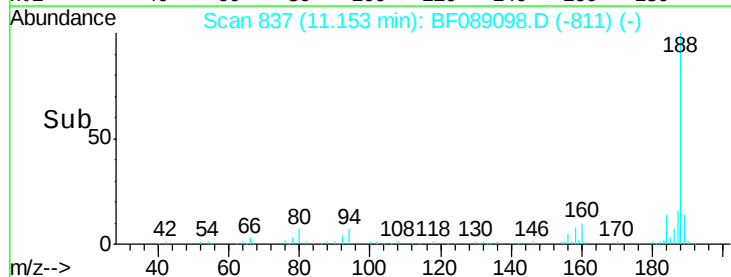
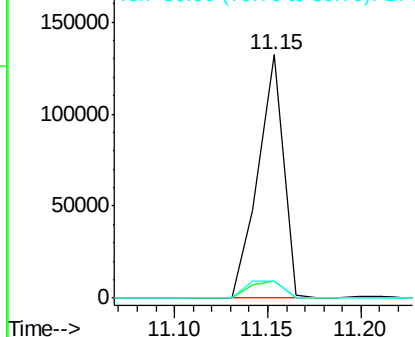


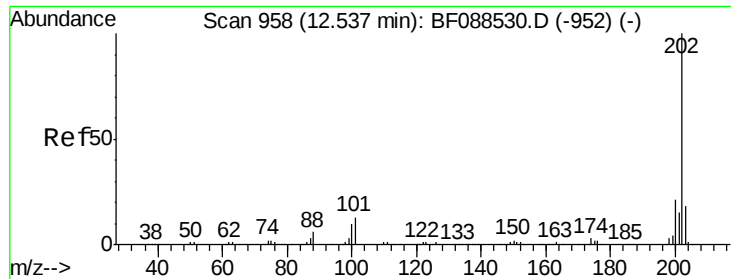
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.00 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

Tgt Ion:188 Resp: 124734
Ion Ratio Lower Upper
188 100
94 7.1 9.0 13.6#
80 6.8 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

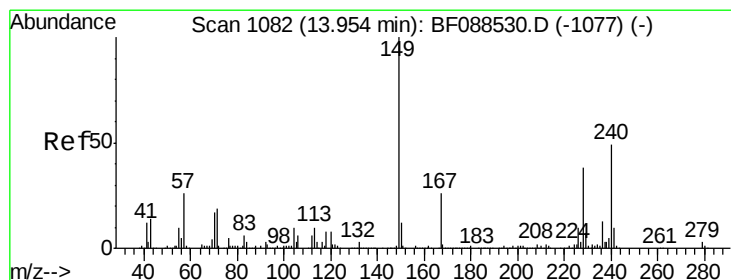
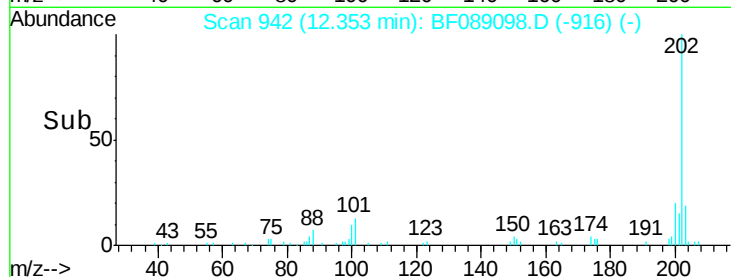
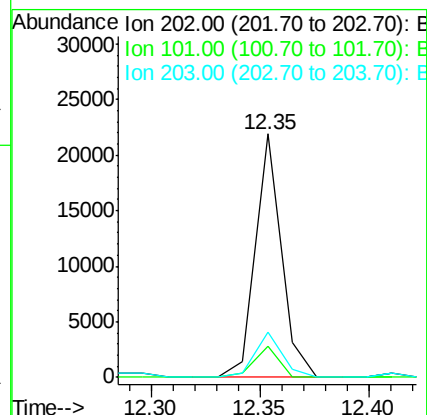
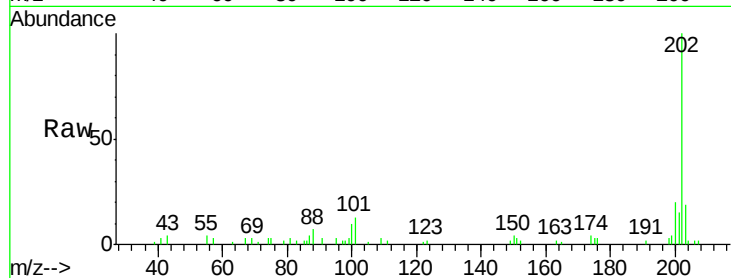




#74
Fluoranthene
Concen: 2.63 ng
RT: 12.35 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

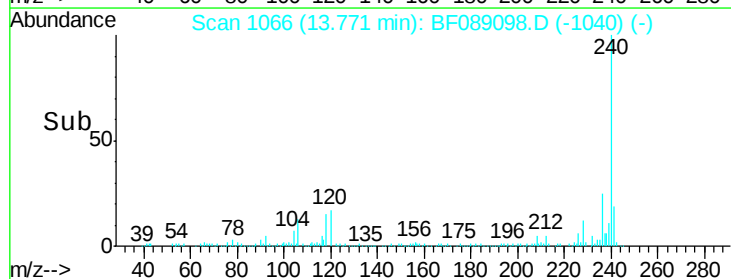
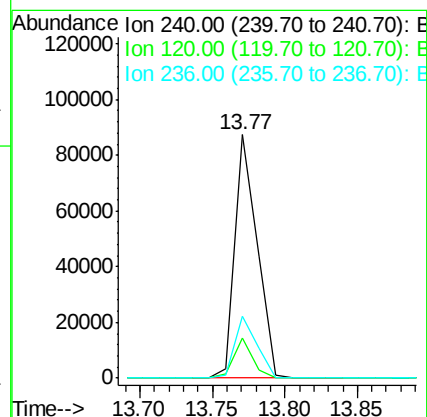
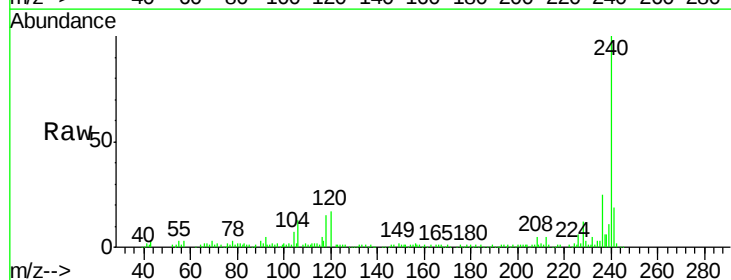
Instrument :
BNA_F
ClientSampleId :
C5-5

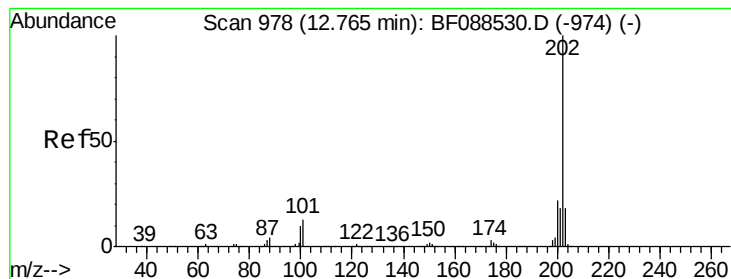
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.1
203	18.7	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.00 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.6	6.8	10.2#
236	25.2	20.2	30.2





#77

Pvrene

Concen: 2.84 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

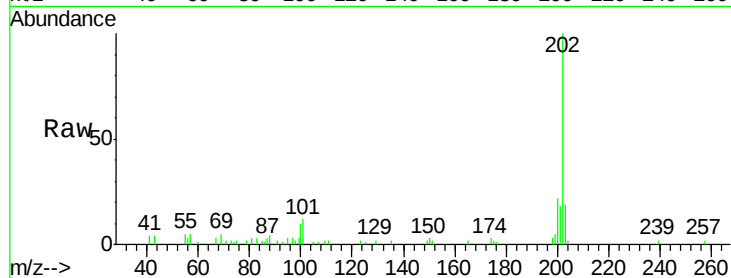
Tot Ion:202 Resp: 22450

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

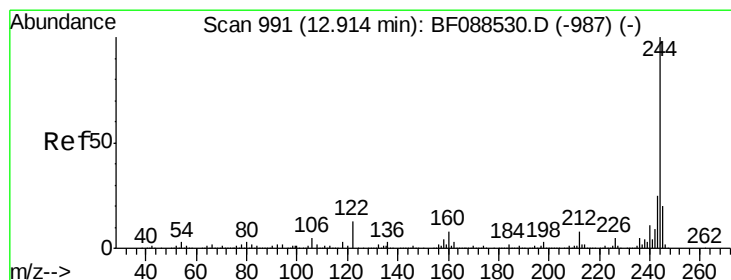
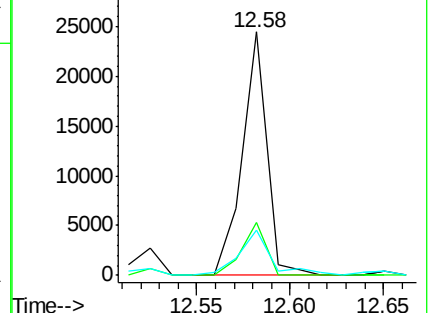
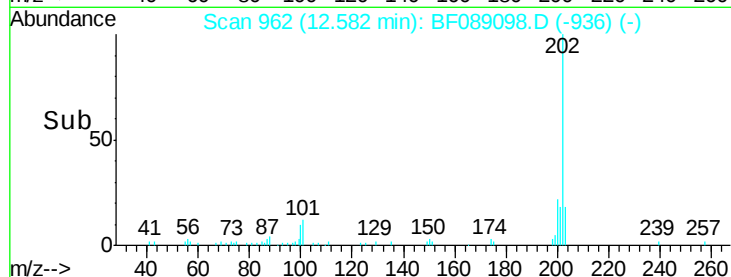
203 18.6 14.5 21.7



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: 62.18 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

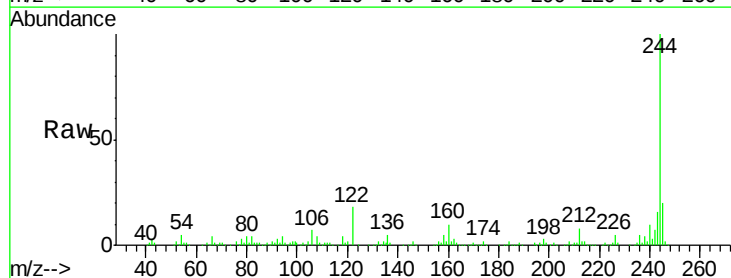
Tgt Ion:244 Resp: 259943

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

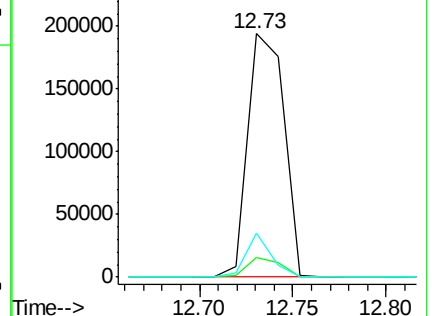
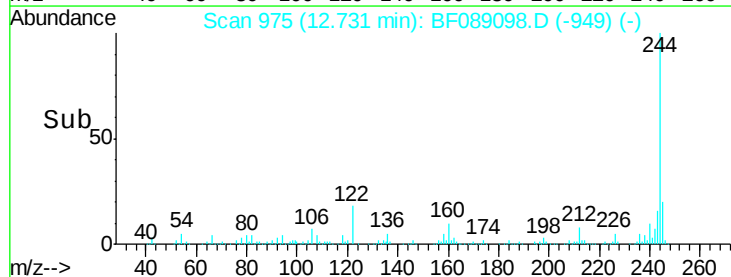
122 18.2 11.2 16.8#

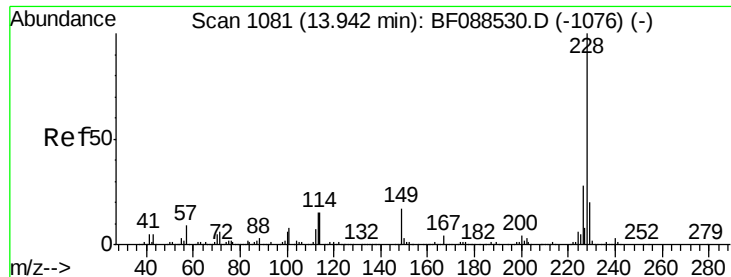


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.63 ng m

RT: 13.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

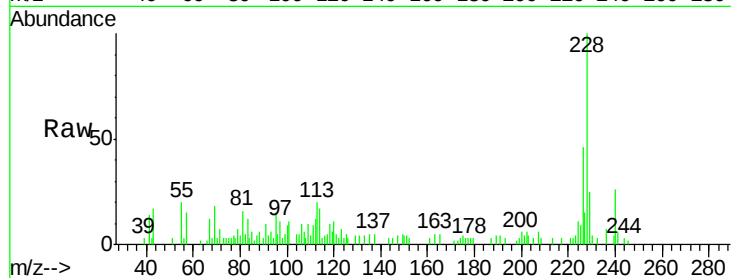
Tot Ion:228 Resp: 21737

Ion Ratio Lower Upper

228 100

226 45.7 22.3 33.5#

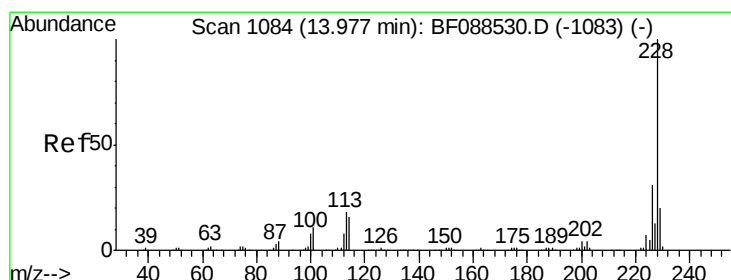
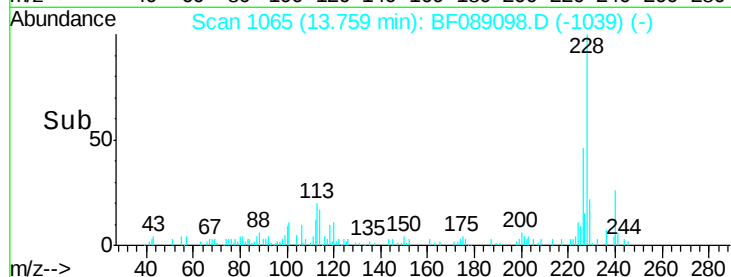
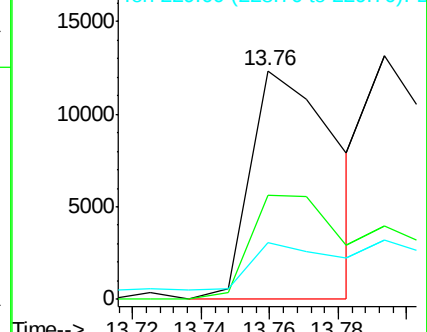
229 25.0 16.0 24.0#



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: 2.78 ng m

RT: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

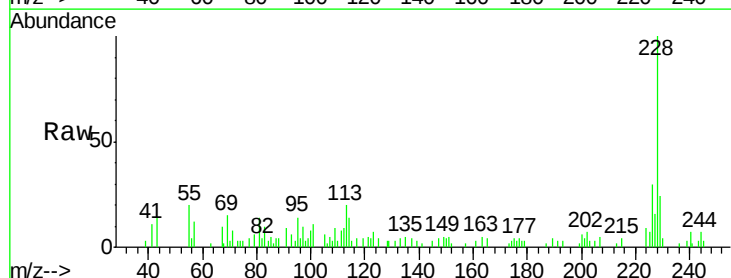
Tgt Ion:228 Resp: 16476

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

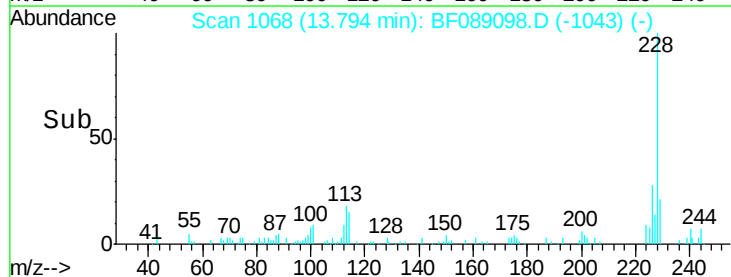
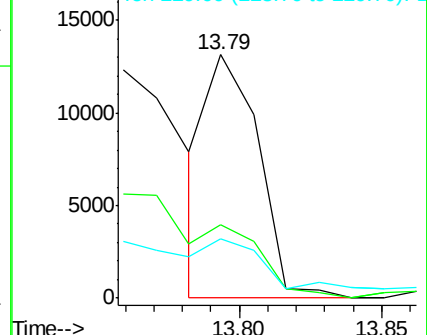
229 24.4 16.3 24.5

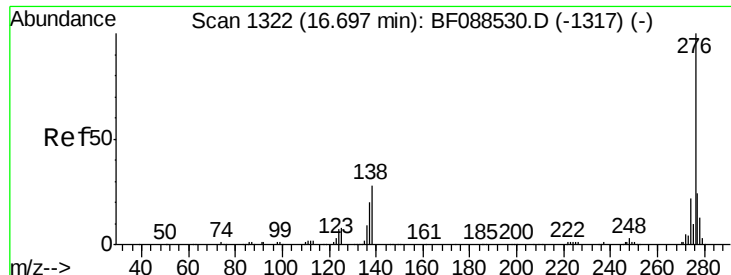


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

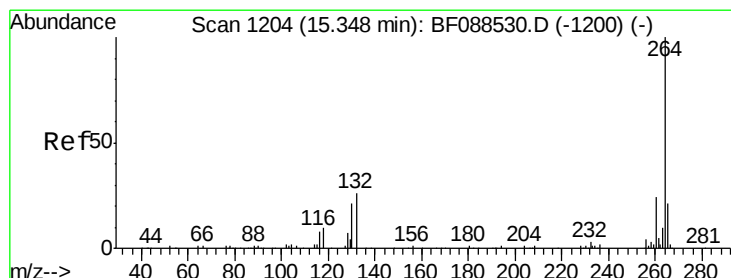
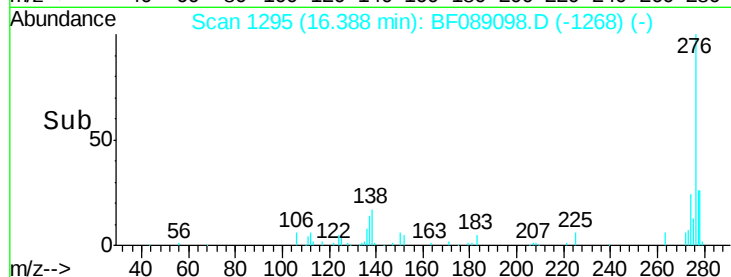
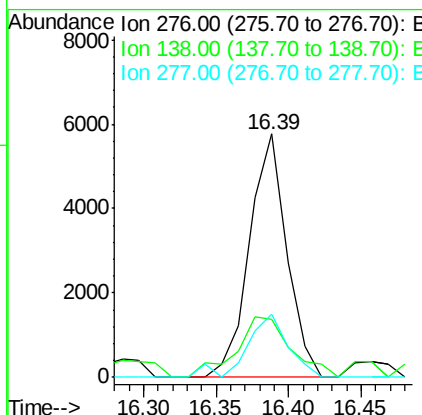
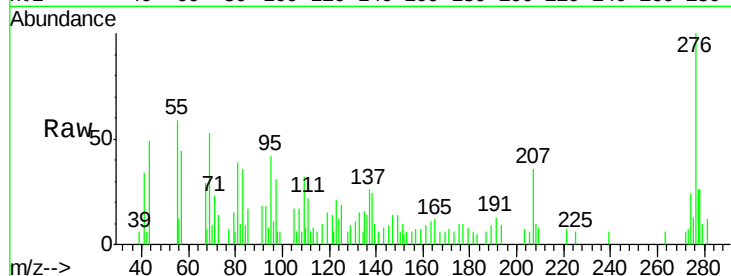




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.26 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. 0.01 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

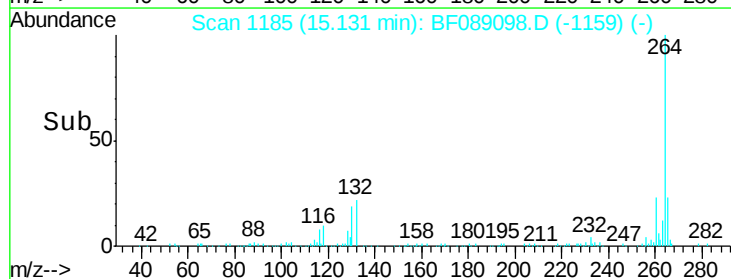
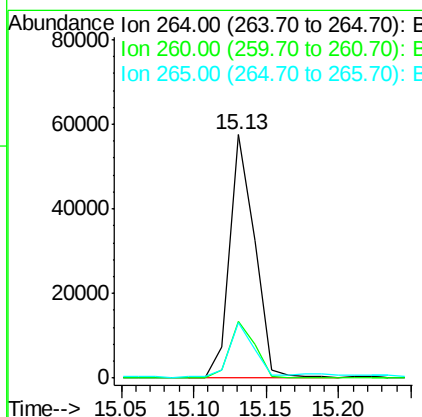
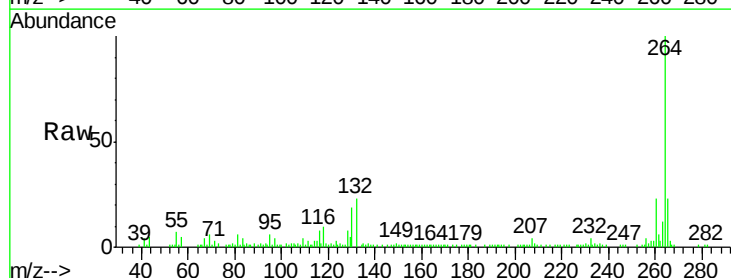
Instrument :
 BNA_F
 ClientSampleId :
 C5-5

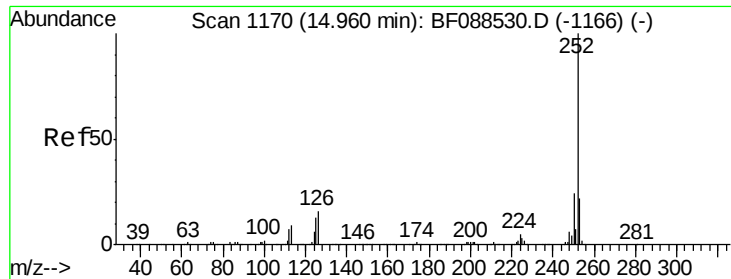
Tot Ion:276 Resp: 10296
 Ion Ratio Lower Upper
 276 100
 138 36.6 0.0 0.0#
 277 28.6 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Tgt Ion:264 Resp: 69128
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 22.5 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 6.26 ng m

RT: 14.77 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

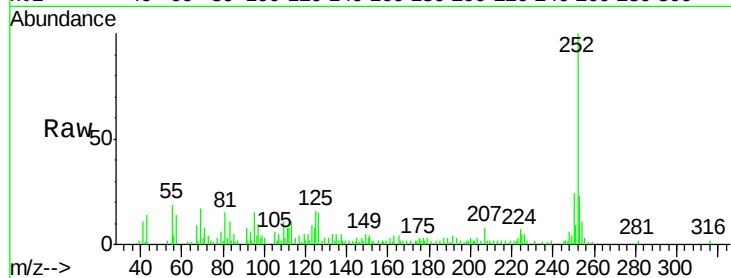
Tot Ion:252 Resp: 27126

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

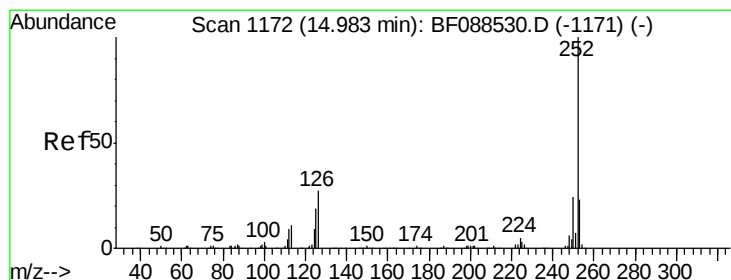
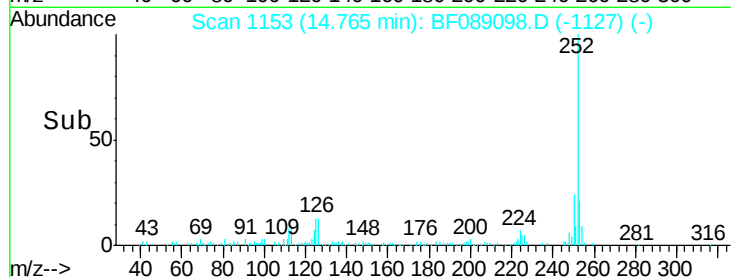
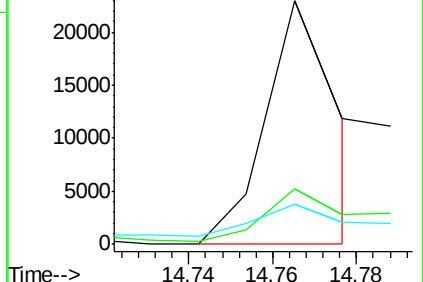
125 16.4 7.1 10.7#



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: 2.67 ng m

RT: 14.78 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

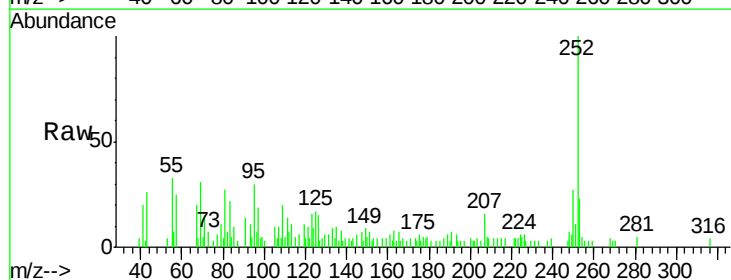
Tgt Ion:252 Resp: 10089

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

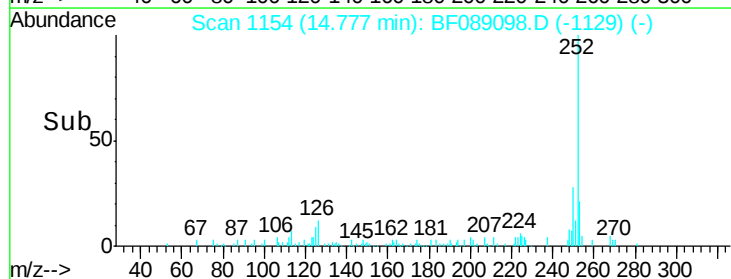
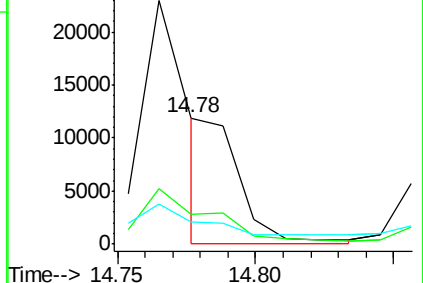
125 17.4 11.2 16.8#

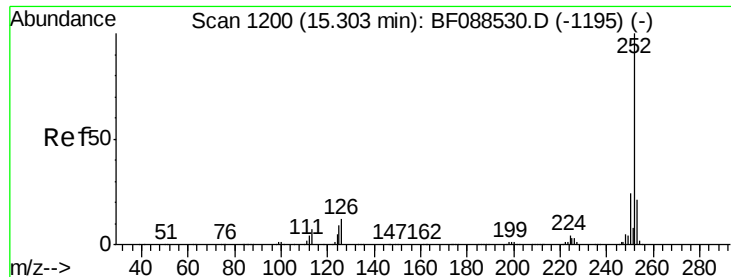


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.47 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

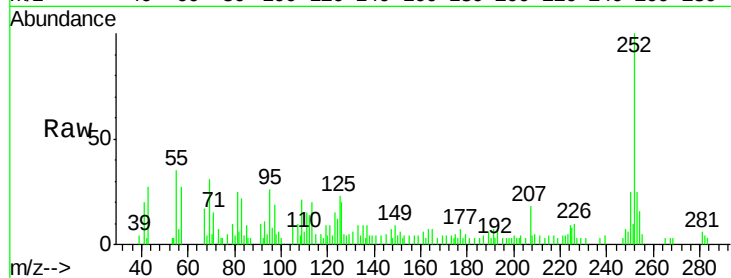
Tot Ion:252 Resp: 16430

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

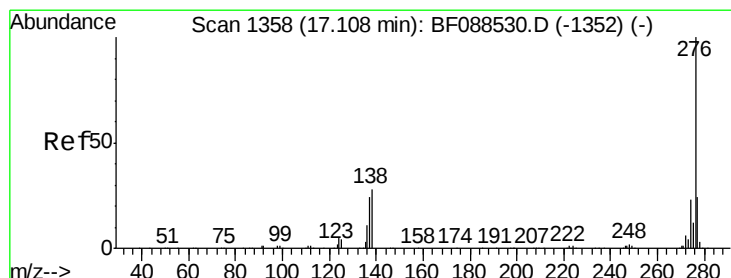
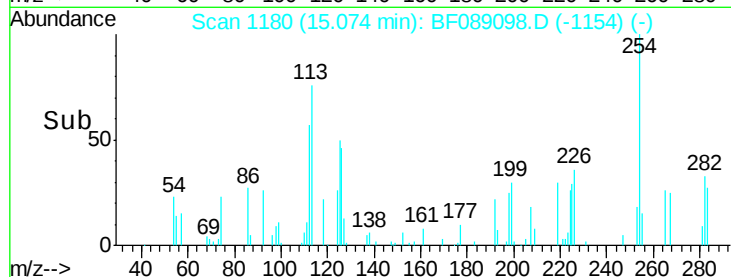
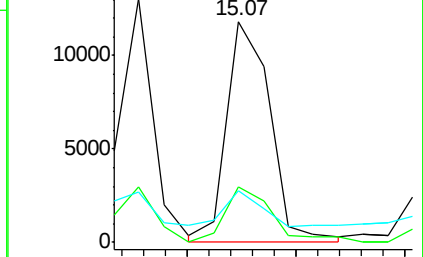
125 23.2 12.5 18.7#



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(g,h,i)perylene

Concen: 2.75 ng

RT: 16.77 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

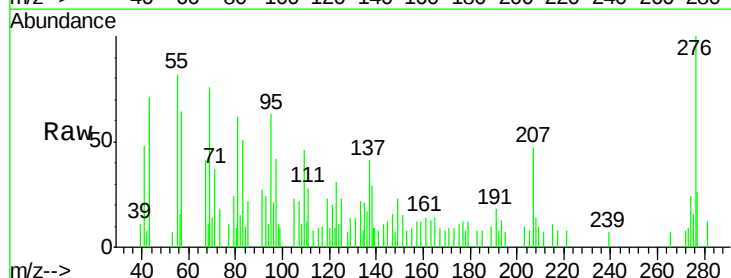
Tgt Ion:276 Resp: 8717

Ion Ratio Lower Upper

276 100

277 26.3 18.9 28.3

138 28.7 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

