

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 03:18:00 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

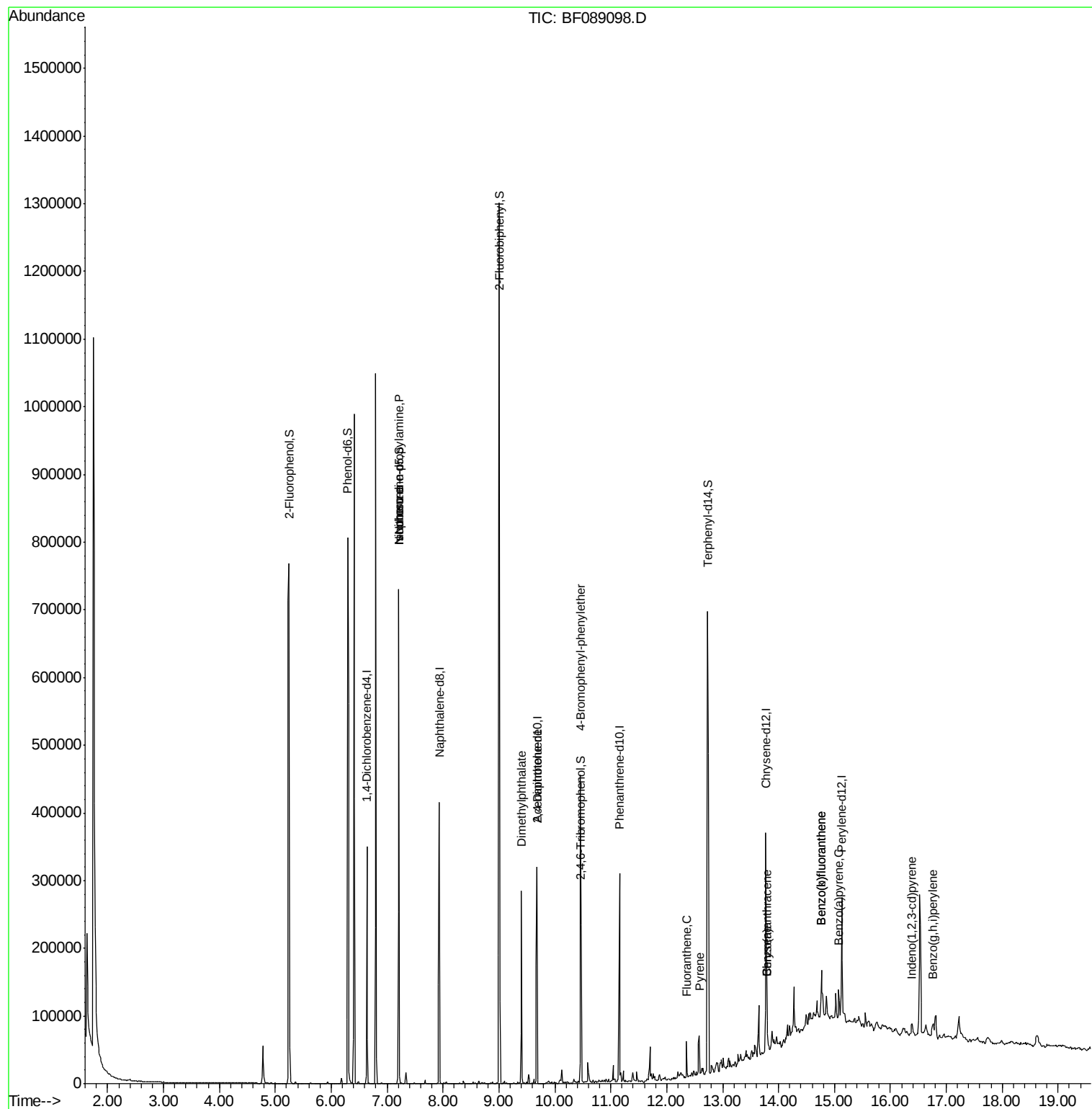
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	47574	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	194180	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	72783	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	124734	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	93109	20.00	ng	-0.08
86) Perylene-d12	15.13	264	69128	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	312347	98.40	ng	-0.05
7) Phenol-d6	6.30	99	376141	91.70	ng	-0.06
23) Nitrobenzene-d5	7.21	82	243607	65.74	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	53810	79.62	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	362576	78.69	ng	-0.07
78) Terphenyl-d14	12.73	244	259943	62.18	ng	-0.07
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	33553	12.18	ng	# 74
25) Isophorone	7.21	82	179060	26.09	ng	# 65
49) Dimethylphthalate	9.40	163	112711	21.74	ng	99
56) 2,4-Dinitrotoluene	9.68	165	9265	6.17	ng	# 36
66) 4-Bromophenyl-phenylether	10.46	248	4029	3.21	ng	# 1
74) Fluoranthene	12.35	202	18161	2.63	ng	99
77) Pyrene	12.58	202	22450	2.84	ng	99
80) Benzo(a)anthracene	13.79	228	38449	6.41	ng	# 93
82) Chrysene	13.79	228	38449	6.48	ng	95
85) Indeno(1,2,3-cd)pyrene	16.39	276	10296	2.26	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	37220	8.58	ng	# 93
88) Benzo(k)fluoranthene	14.77	252	37220	9.86	ng	98
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. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampled :

C5-5

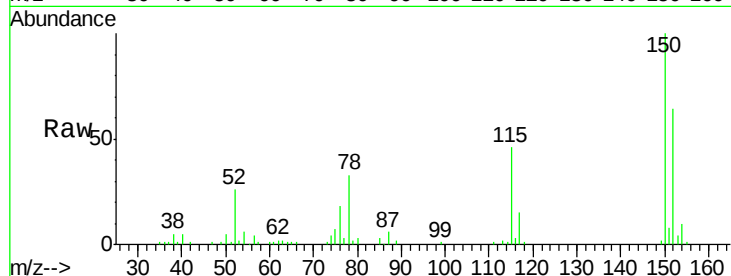
Tgt Ion:152 Resp: 47574

Ion Ratio Lower Upper

152 100

150 156.1 123.8 185.6

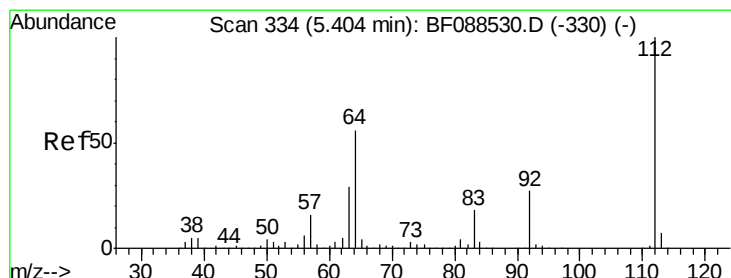
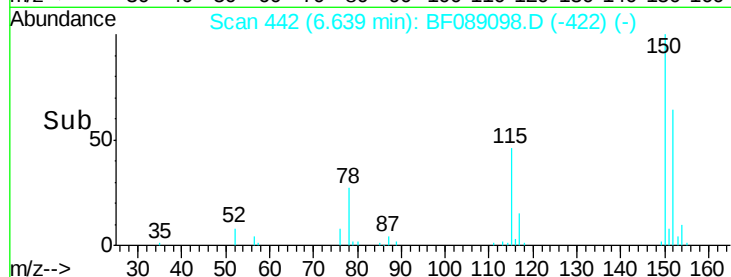
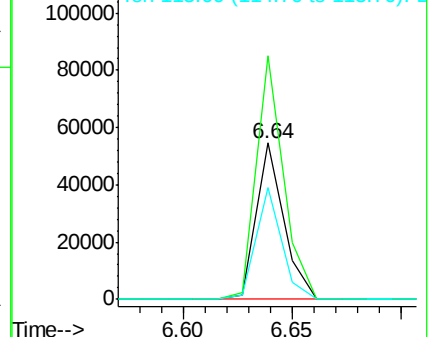
115 71.4 39.6 59.4#



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. -0.05 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

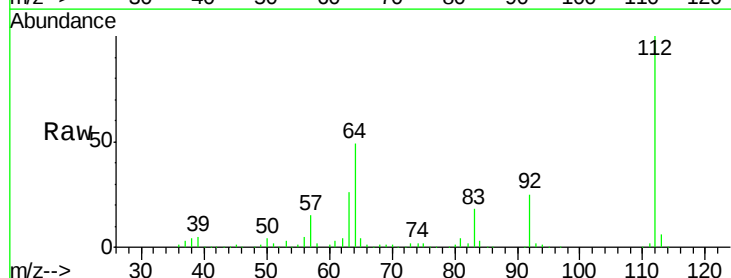
Tgt Ion:112 Resp: 312347

Ion Ratio Lower Upper

112 100

64 49.4 42.2 63.2

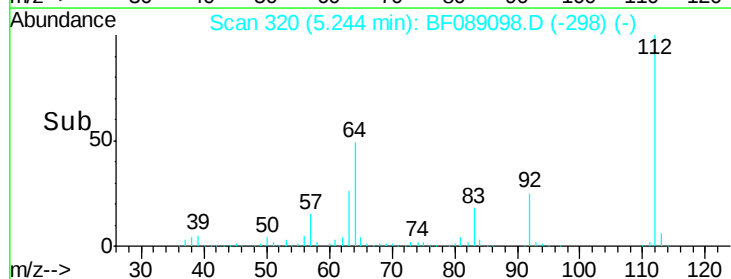
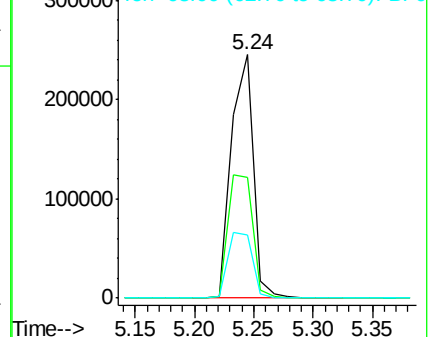
63 26.0 21.8 32.8



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. -0.06 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

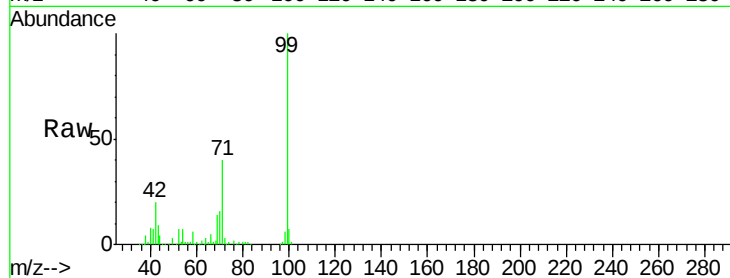
Tgt Ion: 99 Resp: 376141

Ion Ratio Lower Upper

99 100

42 19.5 12.2 18.2#

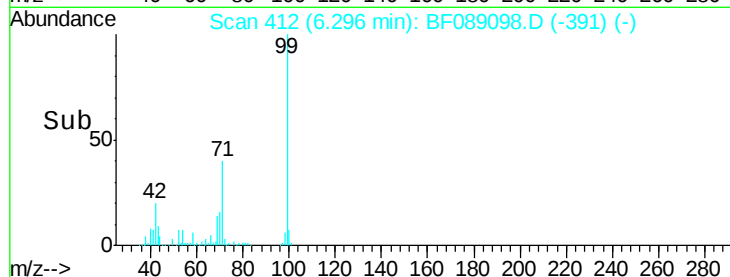
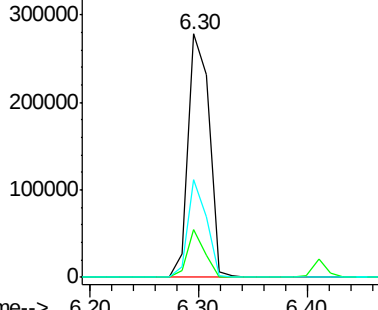
71 40.2 23.4 35.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.18 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Tgt Ion: 70 Resp: 33553

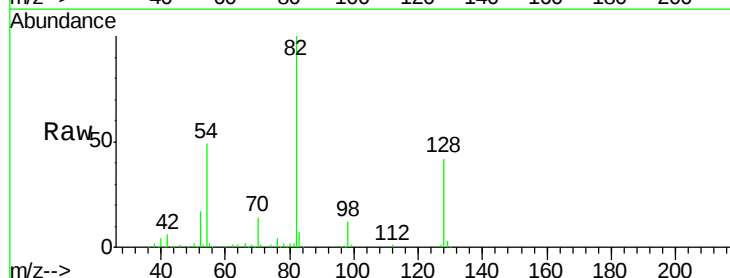
Ion Ratio Lower Upper

70 100

42 44.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

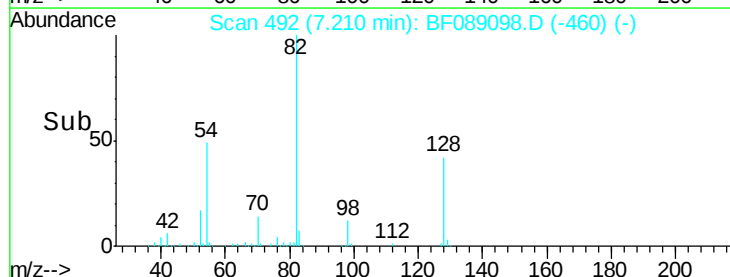
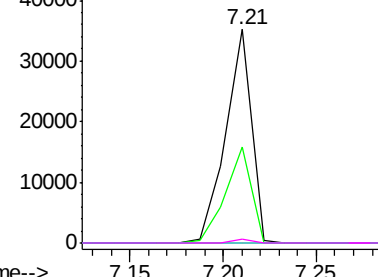


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

Tgt Ion:136 Resp: 194180

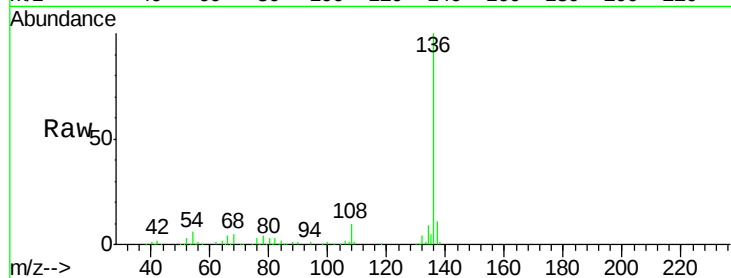
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.8 6.6 10.0#

68 4.7 5.1 7.7#

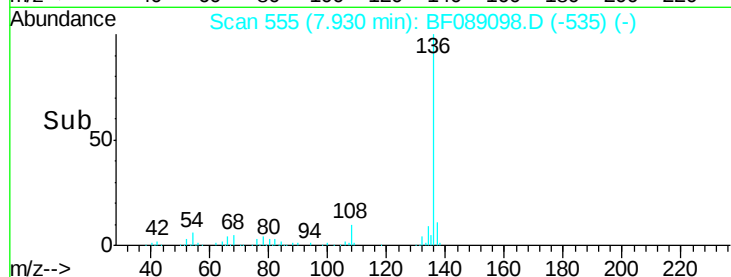


Abundance Ion 136.00 (135.70 to 136.70): E

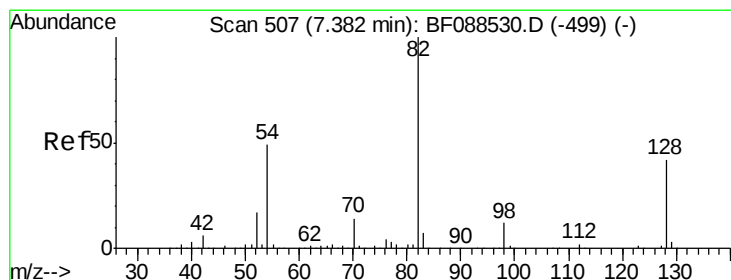
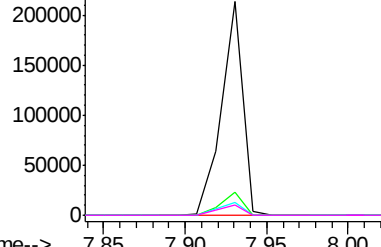
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 65.74 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

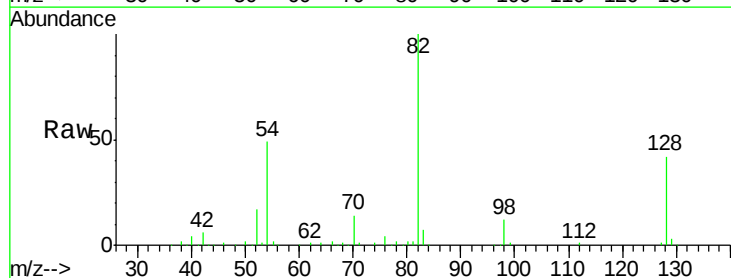
Tgt Ion: 82 Resp: 243607

Ion Ratio Lower Upper

82 100

128 42.1 35.9 53.9

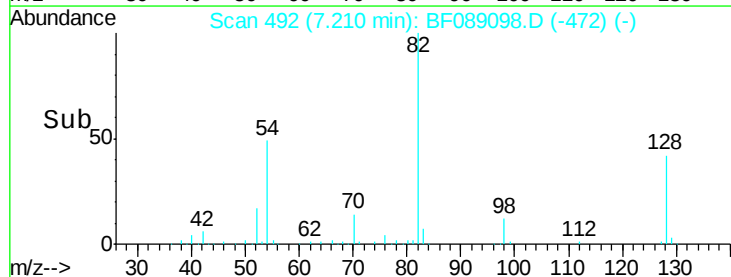
54 48.6 40.9 61.3



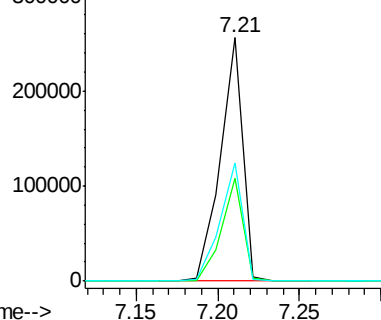
Abundance Ion 82.00 (81.70 to 82.70): BF0

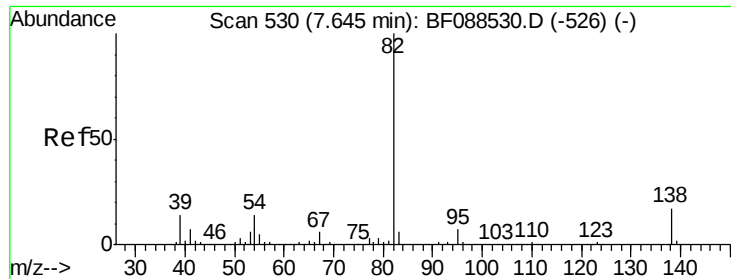
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 26.09 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

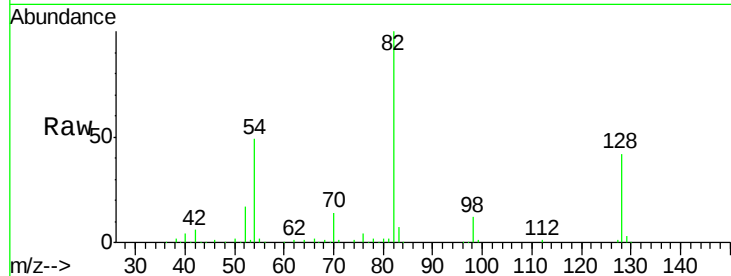
Tgt Ion: 82 Resp: 179060

Ion Ratio Lower Upper

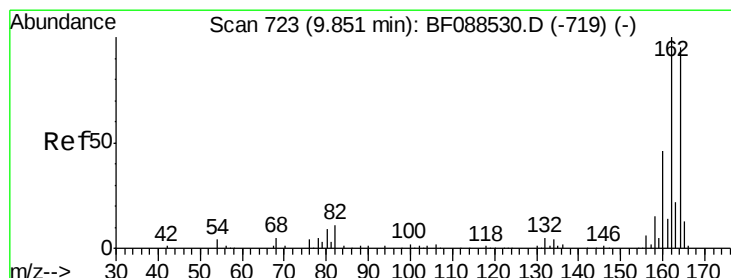
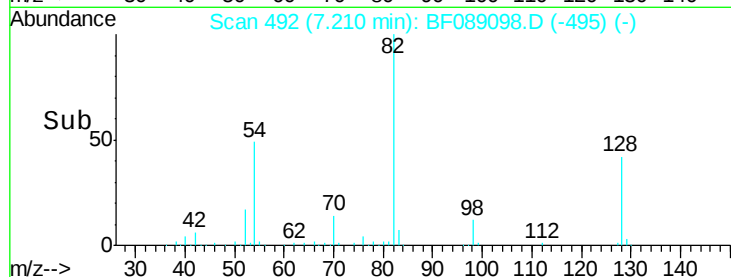
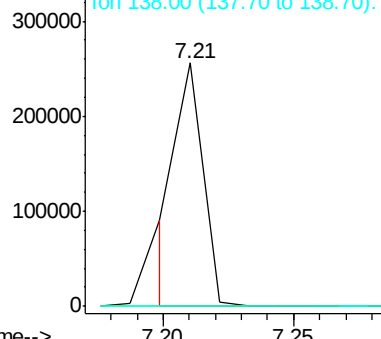
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

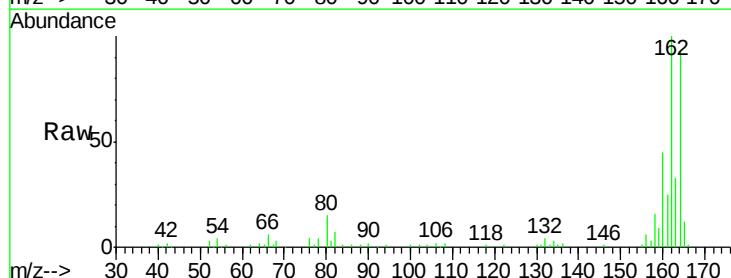
Tgt Ion: 164 Resp: 72783

Ion Ratio Lower Upper

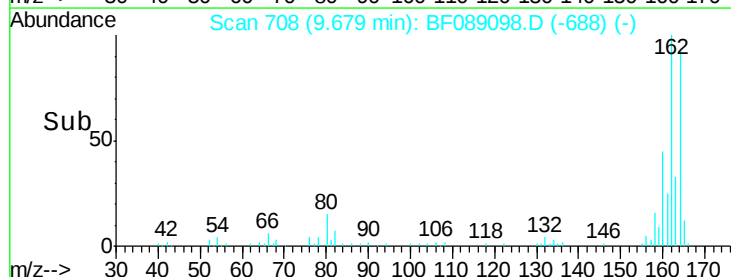
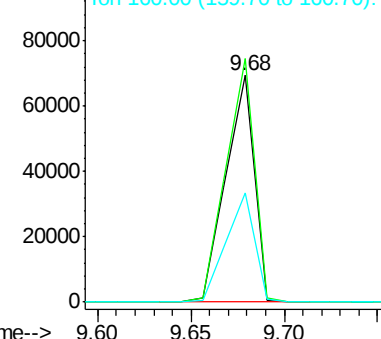
164 100

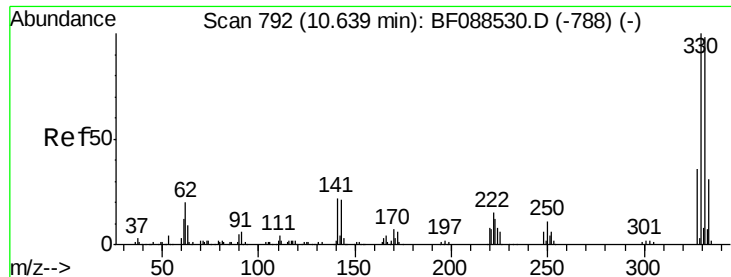
162 107.4 85.4 128.2

160 48.4 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

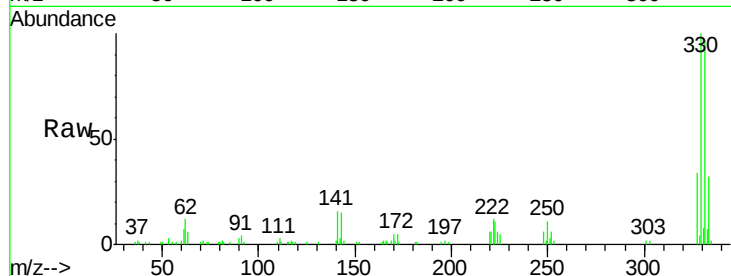




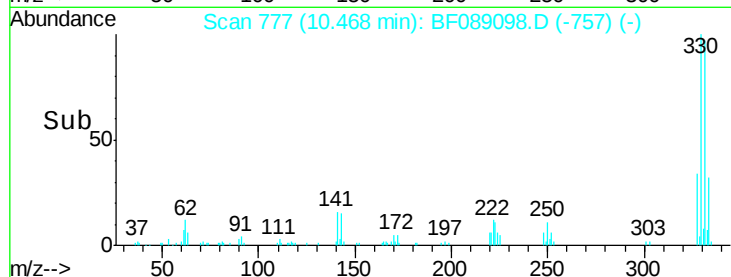
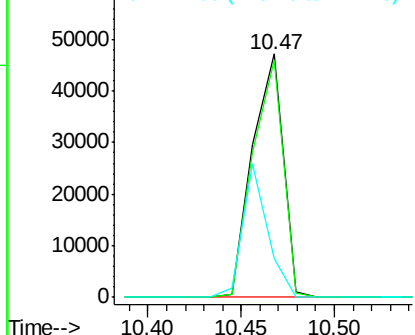
#41
 2,4,6-Tribromophenol
 Concen: 79.62 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.07 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

Tgt Ion:330 Resp: 53810
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 44.8 0.0 0.0#

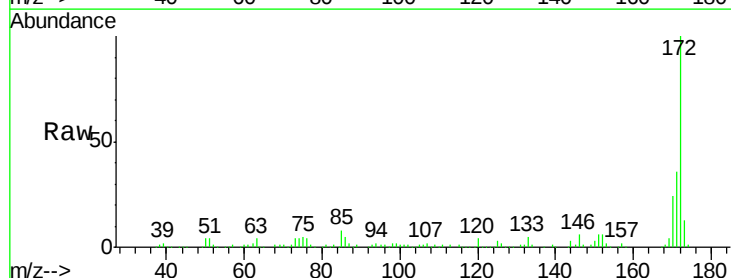


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

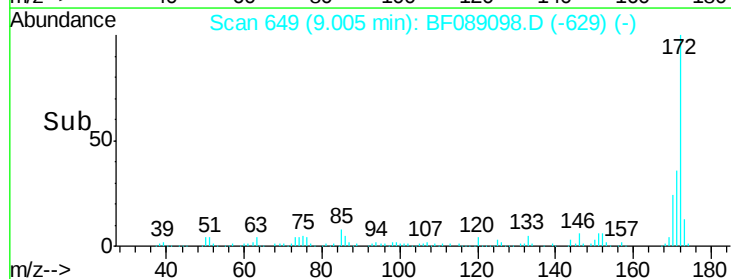
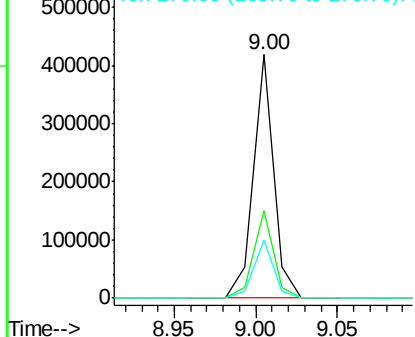


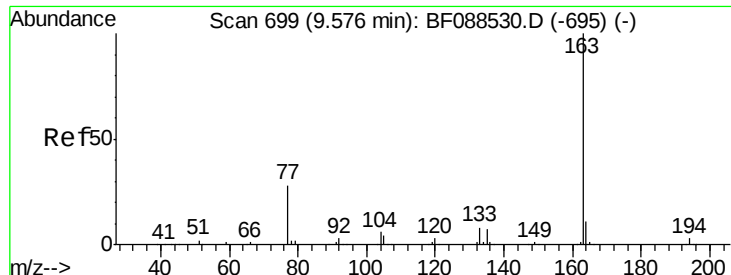
#44
 2-Fluorobiphenyl
 Concen: 78.69 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Tgt Ion:172 Resp: 362576
 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

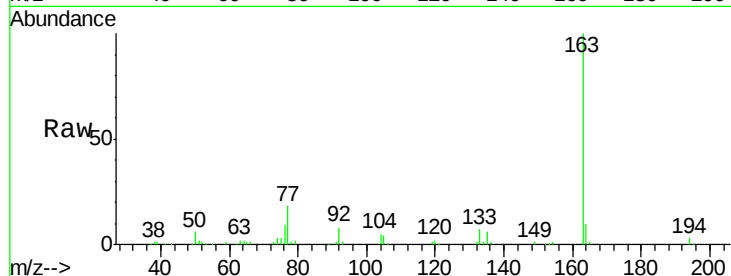




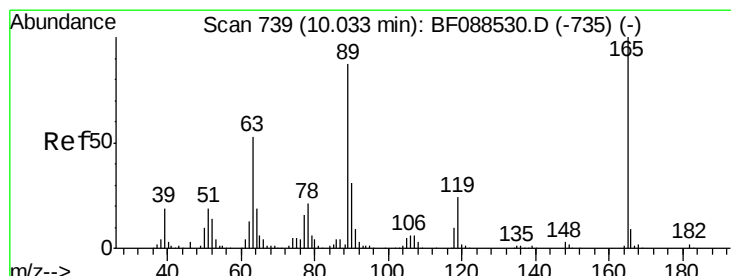
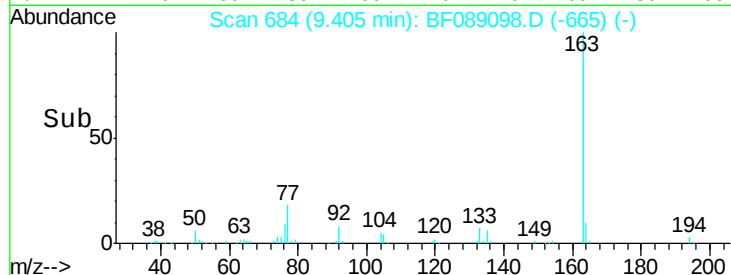
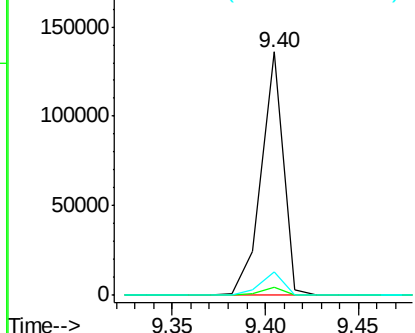
#49
Dimethylphthalate
Concen: 21.74 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

Instrument :
BNA_F
ClientSampleId :
C5-5

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

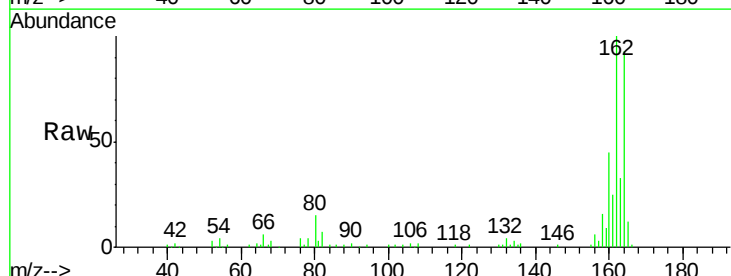


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

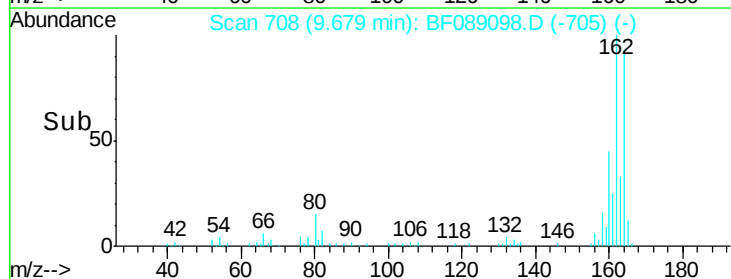
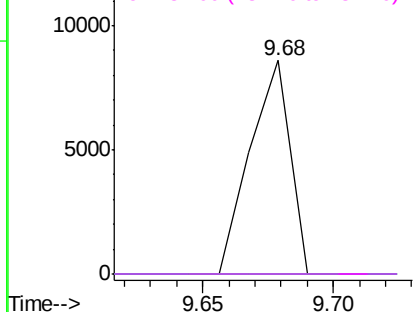


#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089098.D
Acq: 18 Jul 2016 23:11

Tgt Ion:165 Resp: 9265
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

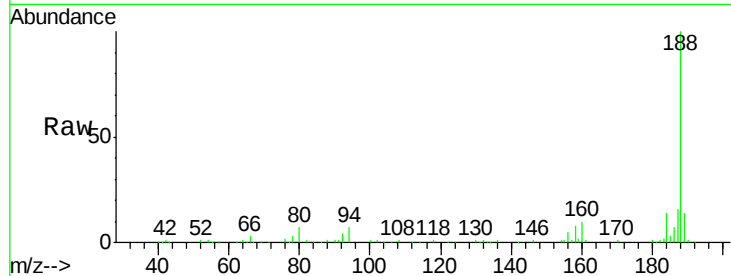




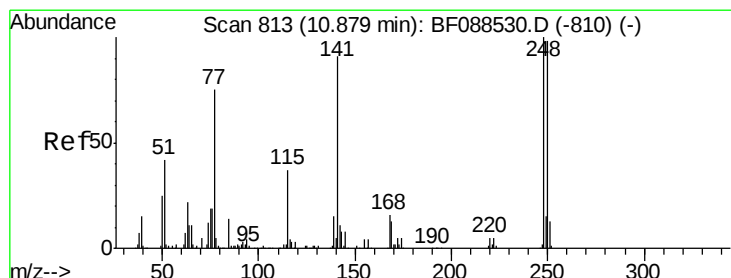
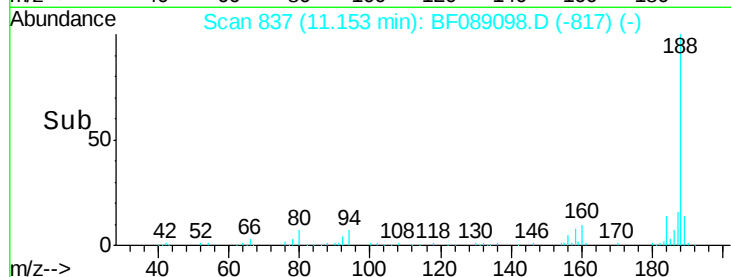
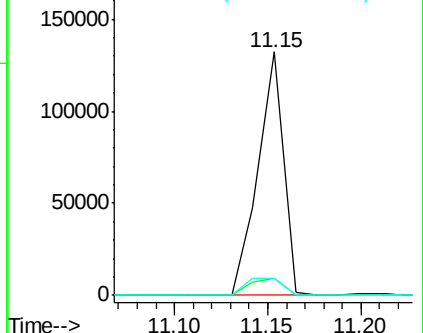
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 837
 Delta R.T. -0.07 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

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#

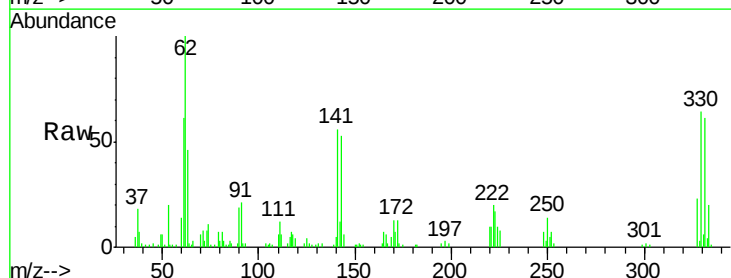


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

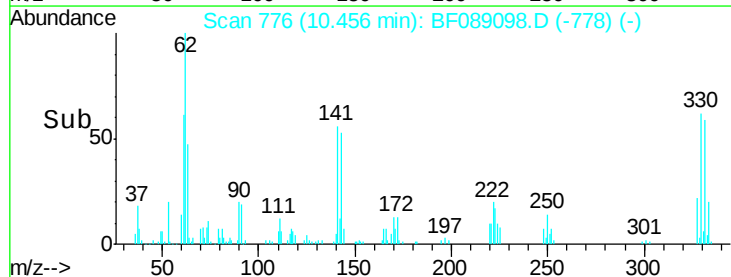
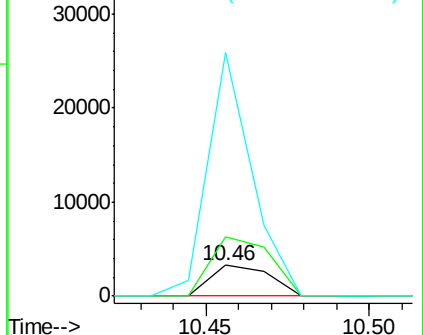


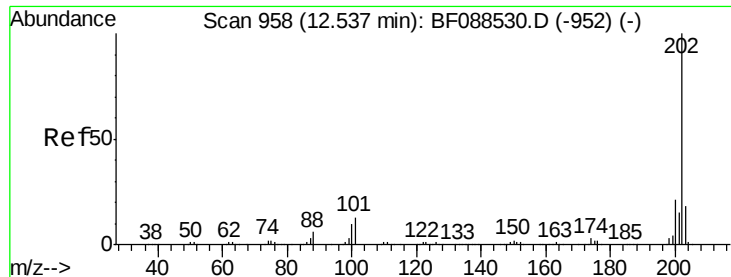
#66
 4-Bromophenyl-phenylether
 Concen: 3.21 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.32 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Tgt Ion:248 Resp: 4029
 Ion Ratio Lower Upper
 248 100
 250 194.5 77.1 115.7#
 141 795.8 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

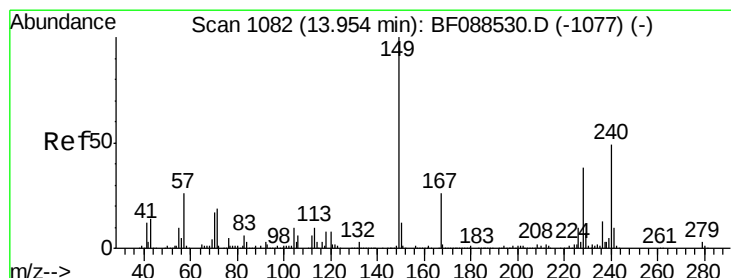
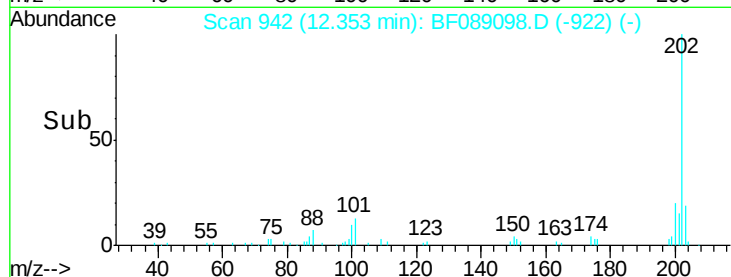
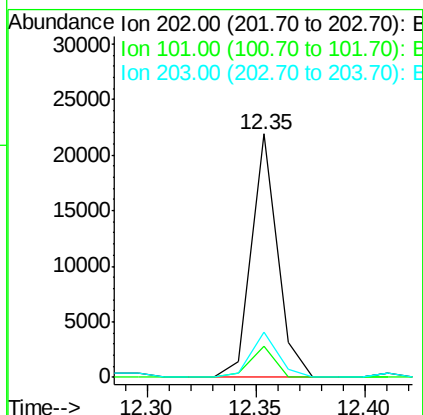
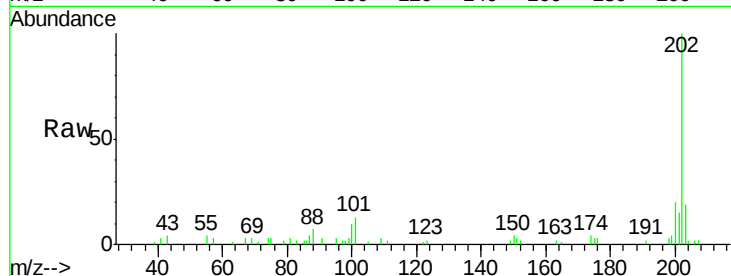




#74
 Fluoranthene
 Concen: 2.63 ng
 RT: 12.35 min Scan# 942
 Delta R.T. -0.07 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

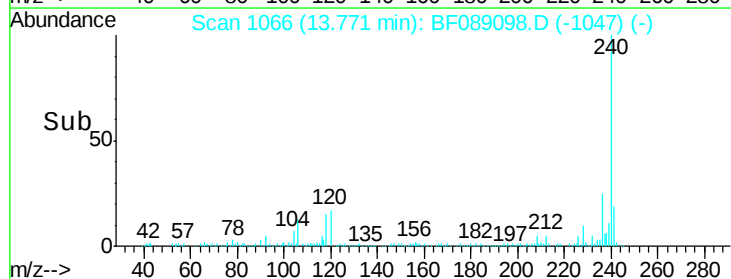
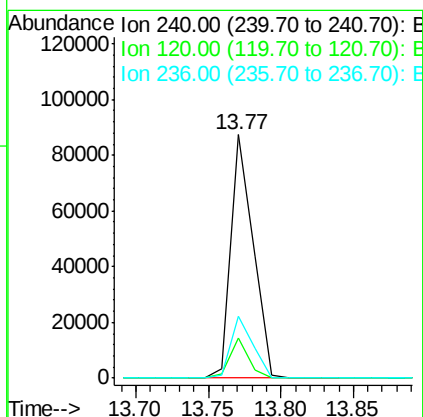
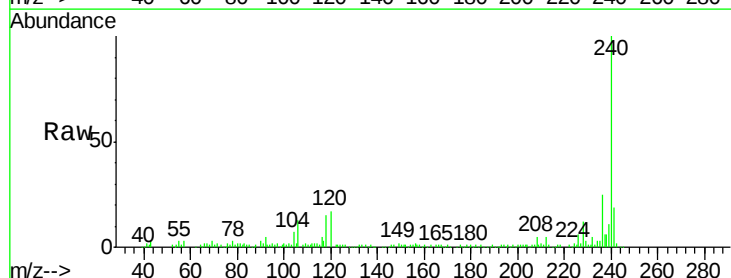
Instrument :
 BNA_F
 ClientSampleId :
 C5-5

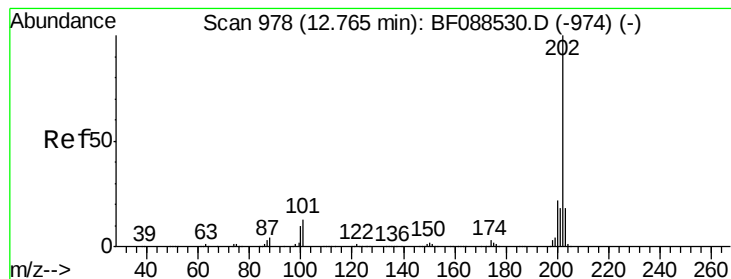
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.1
203	18.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.08 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

Pyrene

Concen: 2.84 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

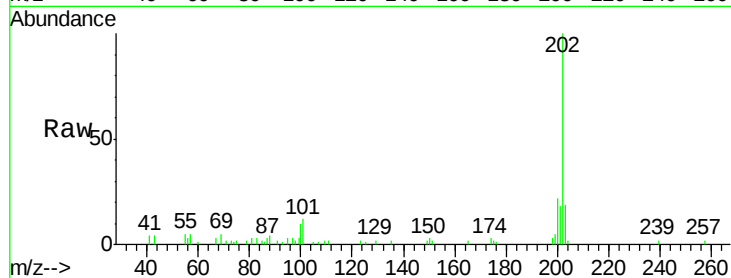
Tgt Ion:202 Resp: 22450

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

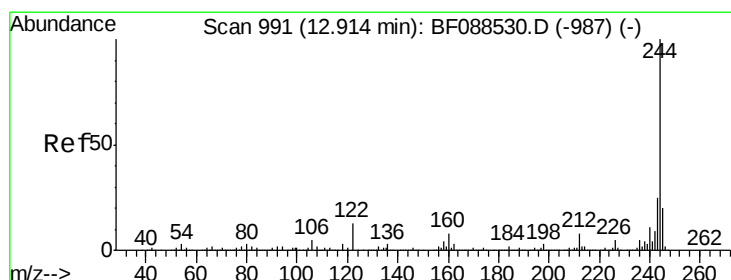
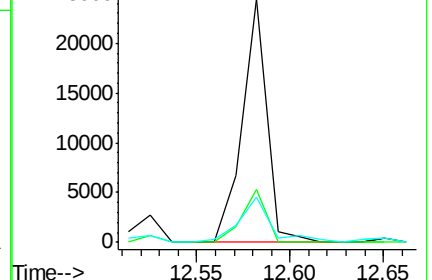
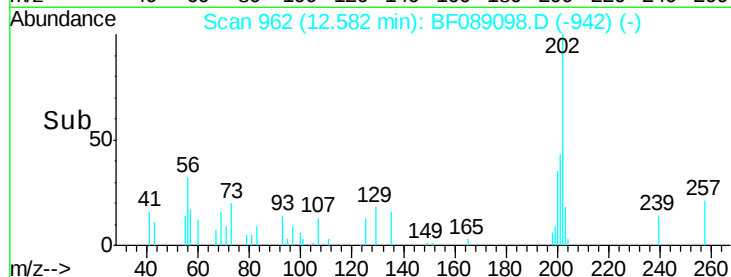
203 18.6 14.5 21.7



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. -0.07 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

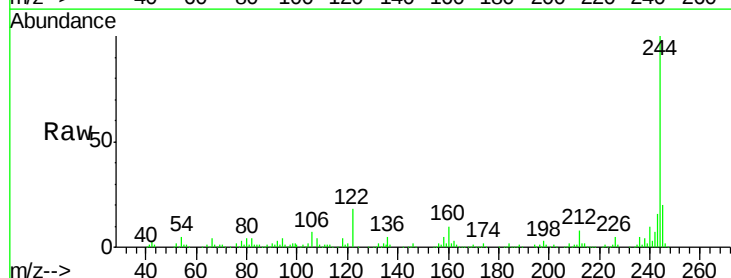
Tgt Ion:244 Resp: 259943

Ion Ratio Lower Upper

244 100

212 8.3 6.0 9.0

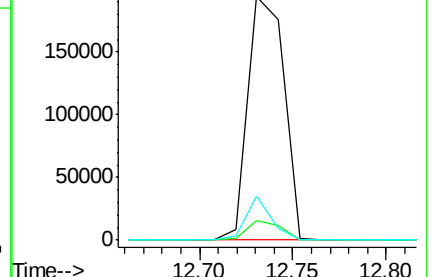
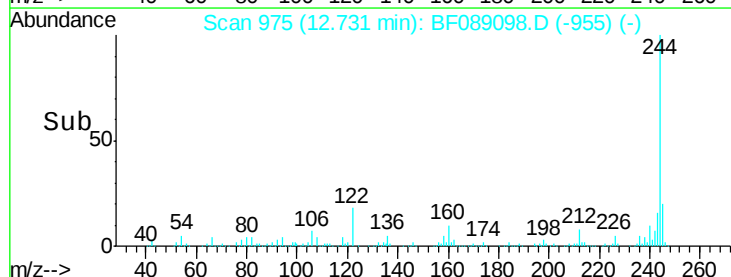
122 18.2 11.2 16.8#

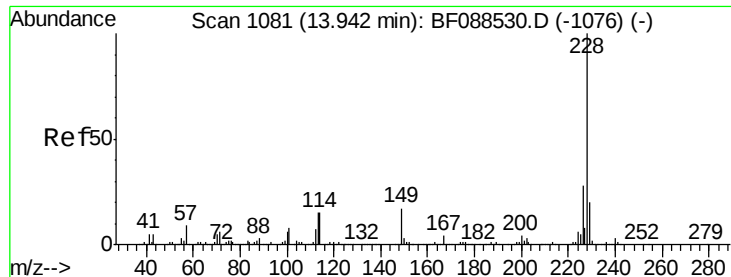


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.41 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

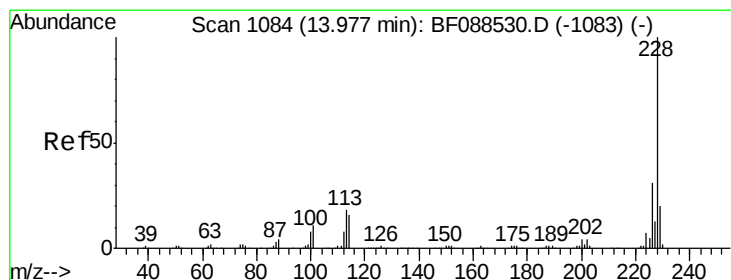
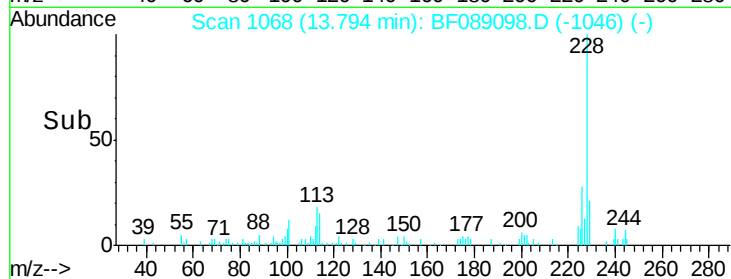
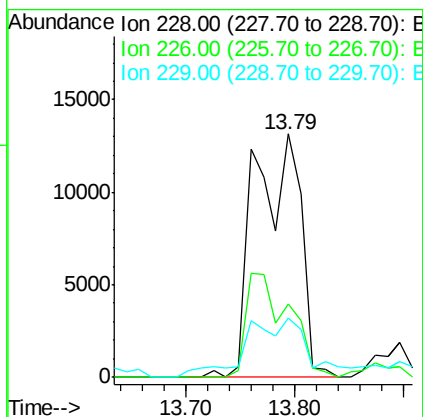
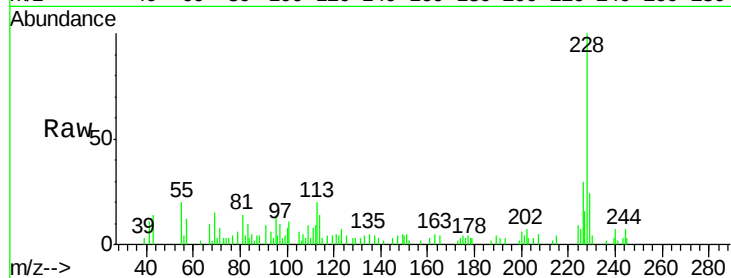
Instrument :

BNA_F

ClientSampleId :

C5-5

Tgt Ion:	228	Resp:	38449
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.3	33.5
229	24.4	16.0	24.0#



#82

Chrysene

Concen: 6.48 ng

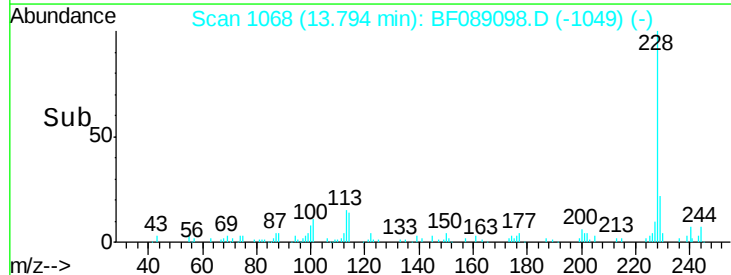
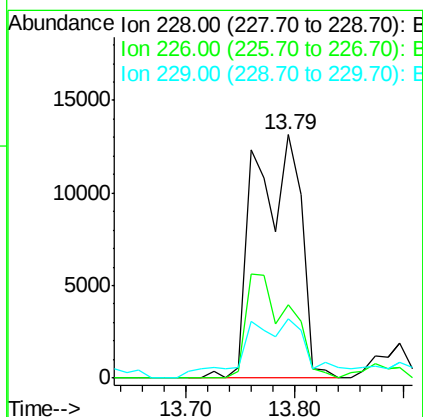
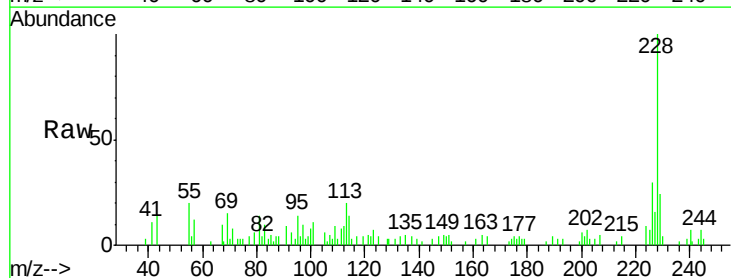
RT: 13.79 min Scan# 1068

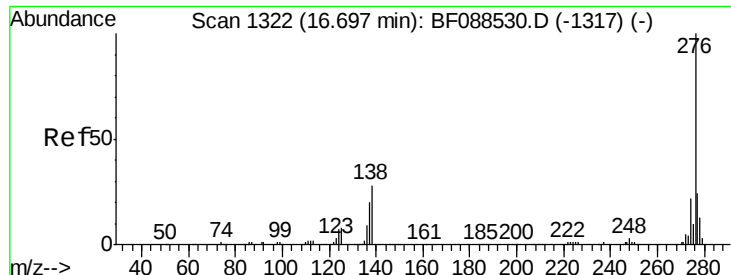
Delta R.T. -0.08 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Tgt Ion:	228	Resp:	38449
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.2
229	24.4	16.3	24.5

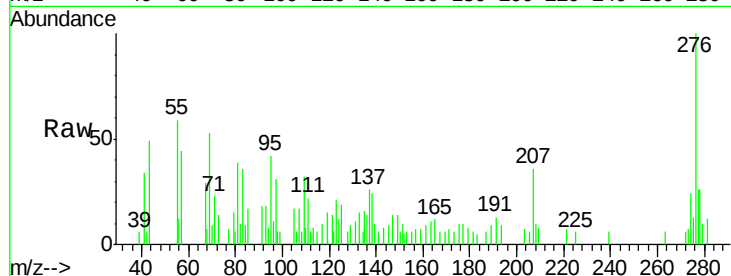




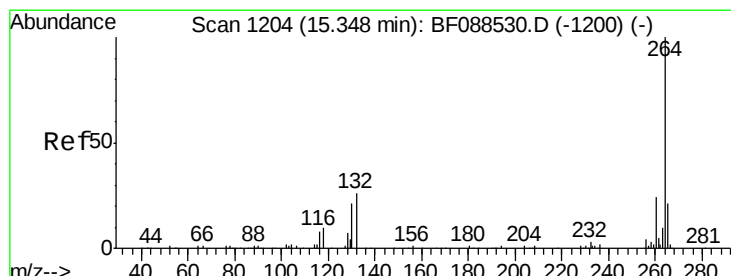
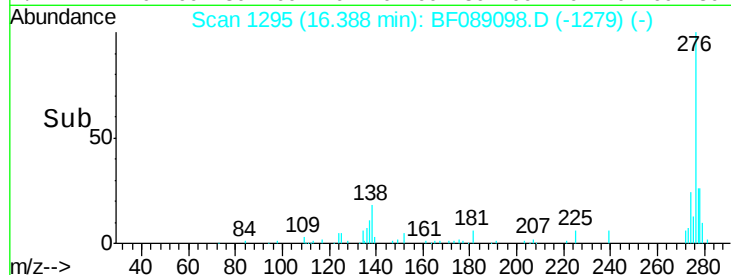
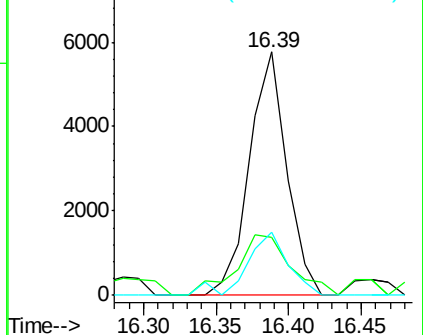
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.26 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.11 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

Instrument :
 BNA_F
 ClientSampleId :
 C5-5

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

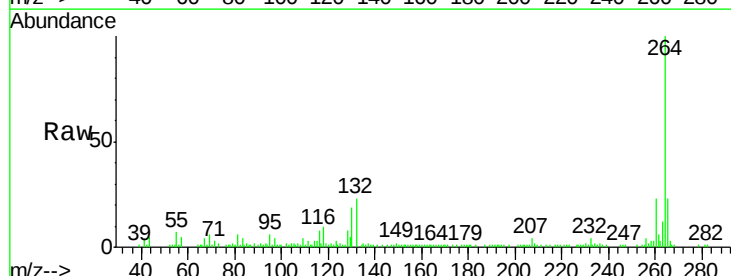


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

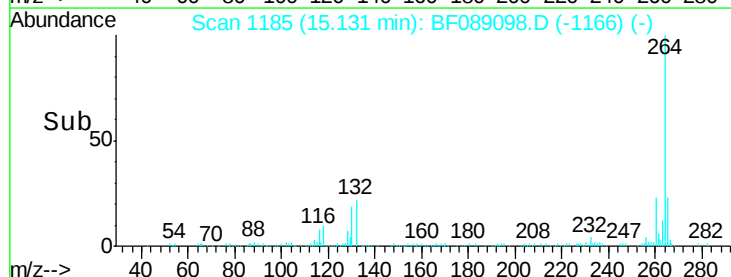
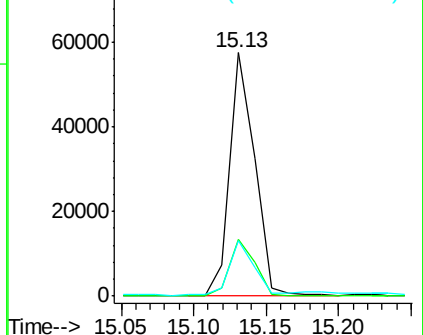


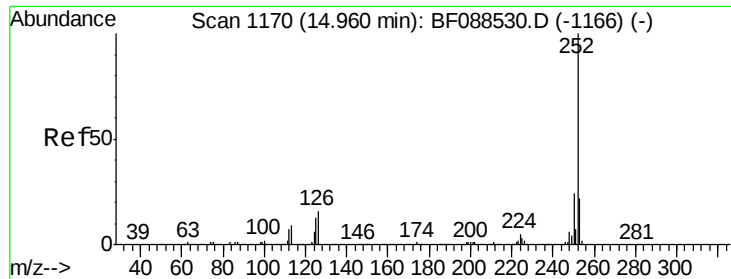
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.08 min
 Lab File: BF089098.D
 Acq: 18 Jul 2016 23:11

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



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.58 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.07 min

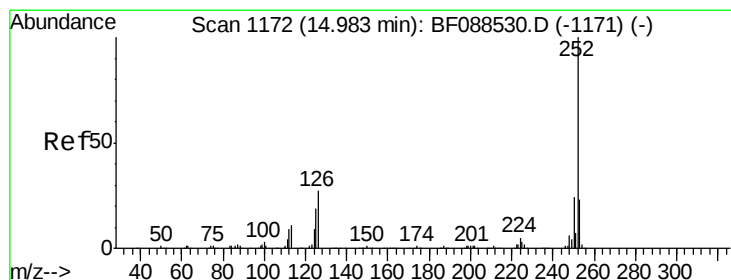
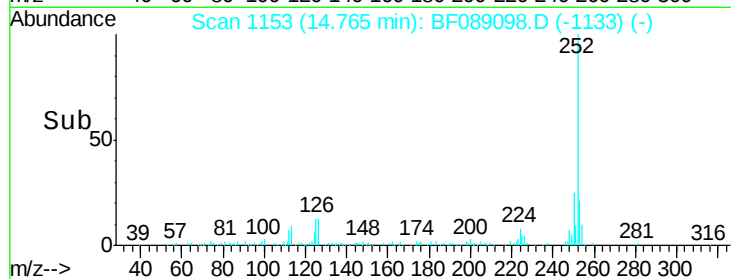
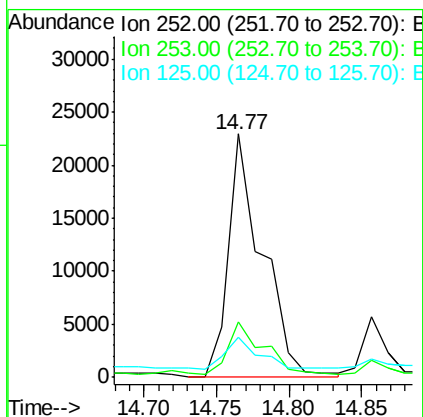
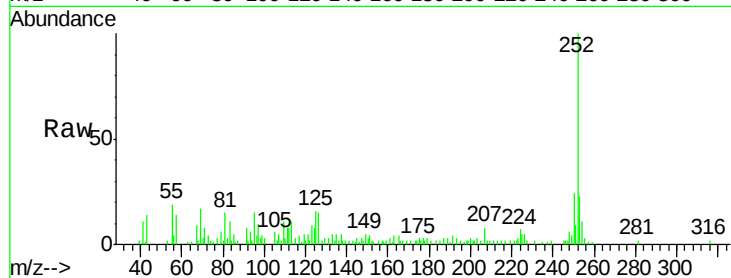
Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :
BNA_F
ClientSampleId :
C5-5

Tgt Ion:252 Resp: 37220

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	16.4	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 9.86 ng

RT: 14.77 min Scan# 1153

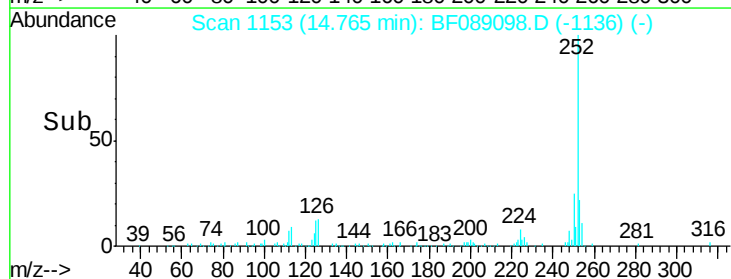
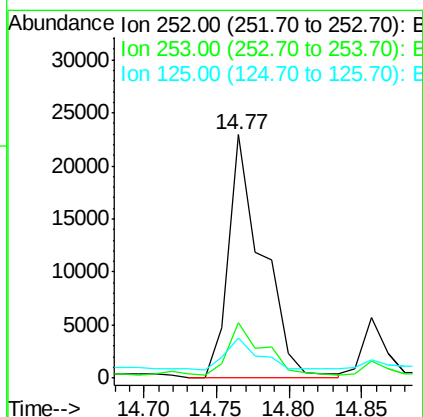
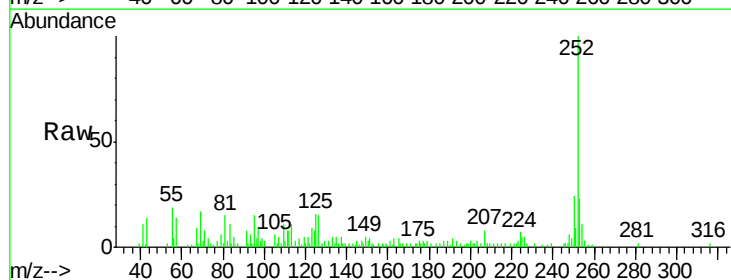
Delta R.T. -0.10 min

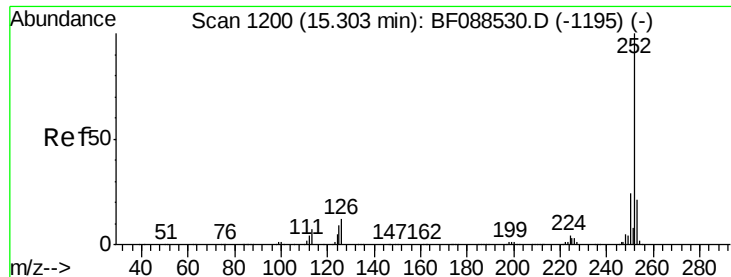
Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Tgt Ion:252 Resp: 37220

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	16.4	11.2	16.8





#89

Benzo(a)pyrene

Concen: 4.47 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.09 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

Instrument :

BNA_F

ClientSampleId :

C5-5

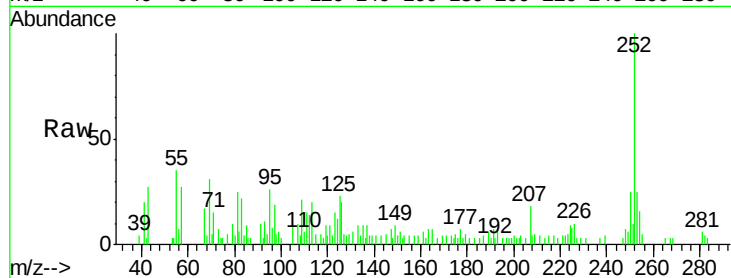
Tgt Ion:252 Resp: 16430

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

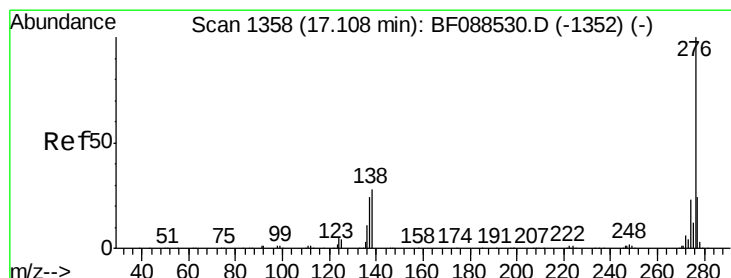
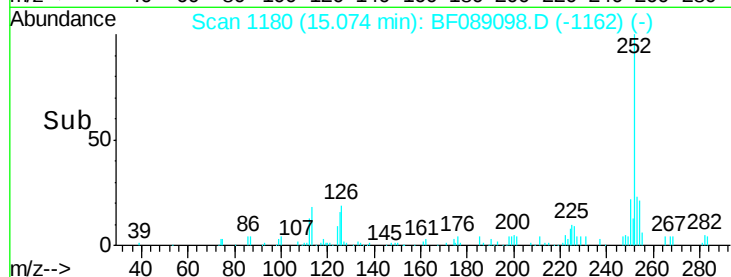
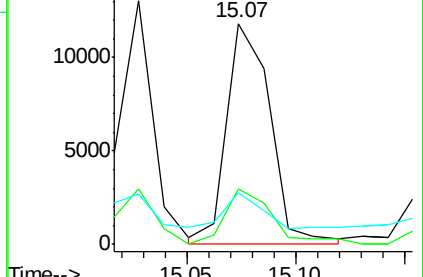
125 23.2 12.5 18.7#



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. -0.13 min

Lab File: BF089098.D

Acq: 18 Jul 2016 23:11

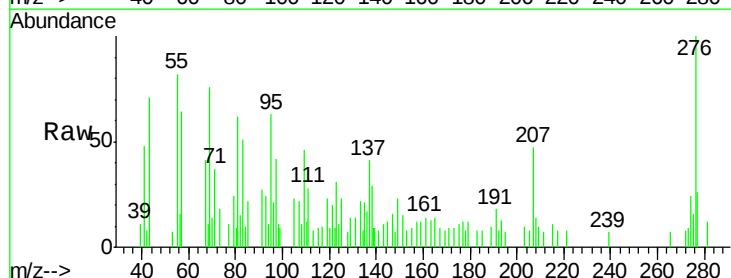
Tgt Ion:276 Resp: 8717

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

