

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089050.D
 Acq On : 16 Jul 2016 12:36
 Operator : UM/SJ
 Sample : H3951-18 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:12:29 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

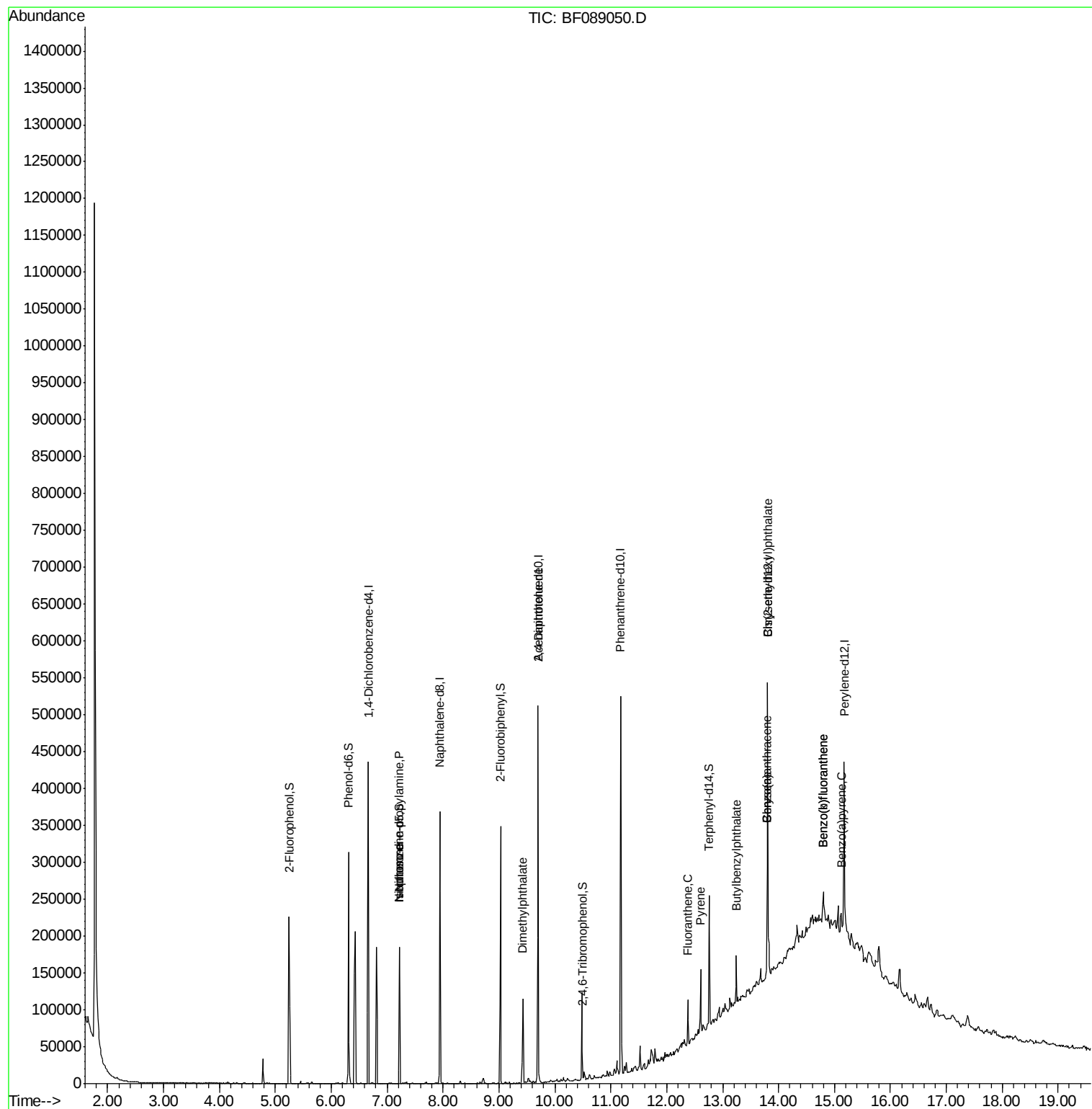
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	61730	20.00	ng	-0.05
21) Naphthalene-d8	7.94	136	216799	20.00	ng	-0.06
38) Acenaphthene-d10	9.70	164	104156	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	166261	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	112631	20.00	ng	-0.05
86) Perylene-d12	15.18	264	100212	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	69770	16.94	ng	-0.05
7) Phenol-d6	6.31	99	95447	17.93	ng	-0.05
23) Nitrobenzene-d5	7.22	82	53314	12.89	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	10726	11.09	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	110697	16.79	ng	-0.05
78) Terphenyl-d14	12.75	244	63717	12.60	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	7336	2.05	ng	# 72
25) Isophorone	7.22	82	48915	6.38	ng	# 65
49) Dimethylphthalate	9.43	163	45817	6.17	ng	99
56) 2,4-Dinitrotoluene	9.70	165	13520	6.29	ng	# 36
74) Fluoranthene	12.38	202	25270	2.74	ng	95
77) Pyrene	12.61	202	32370	3.39	ng	98
79) Butylbenzylphthalate	13.25	149	16385	3.85	ng	89
80) Benzo(a)anthracene	13.79	228	16354	2.25	ng	96
82) Chrysene	13.79	228	16354	2.28	ng	95
83) Bis(2-ethylhexyl)phthalate	13.81	149	12606	2.59	ng	# 99
87) Benzo(b)fluoranthene	14.80	252	23835	3.79	ng	# 83
88) Benzo(k)fluoranthene	14.80	252	23835	4.36	ng	# 87
89) Benzo(a)pyrene	15.12	252	11794	2.22	ng	# 88

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

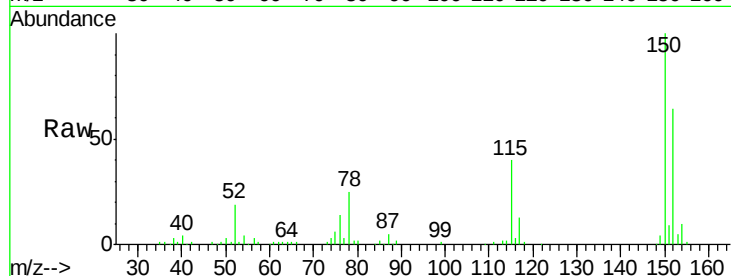
Tot Ion:152 Resp: 61730

Ion Ratio Lower Upper

152 100

150 156.4 123.8 185.6

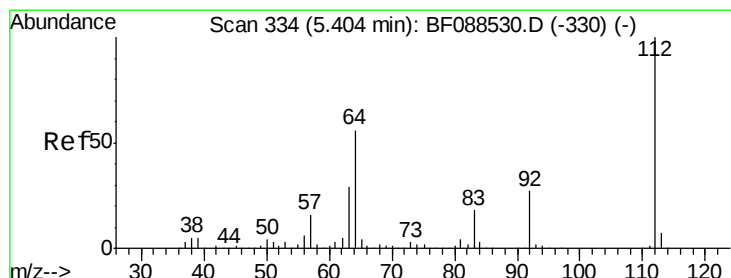
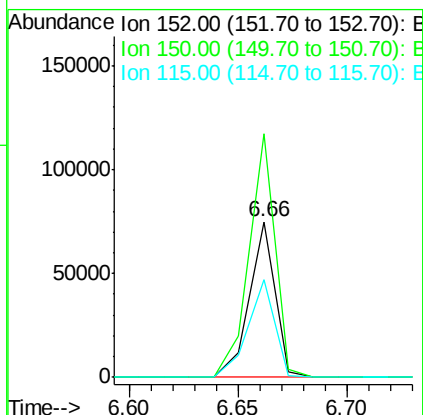
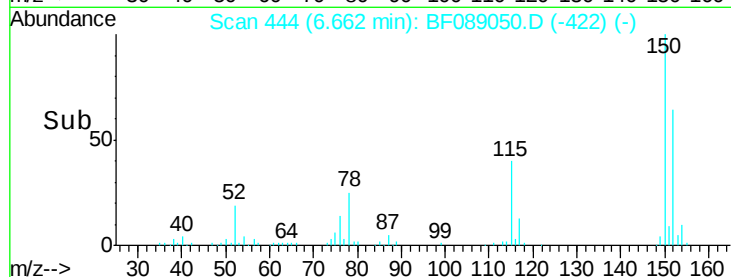
115 62.5 39.6 59.4#



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: 16.94 ng

RT: 5.24 min Scan# 320

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

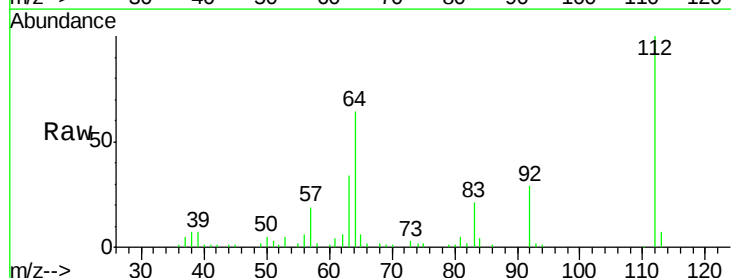
Tgt Ion:112 Resp: 69770

Ion Ratio Lower Upper

112 100

64 63.8 42.2 63.2#

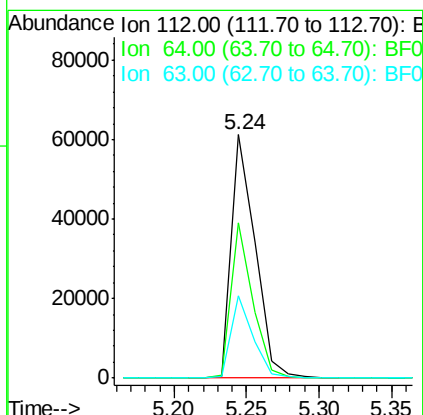
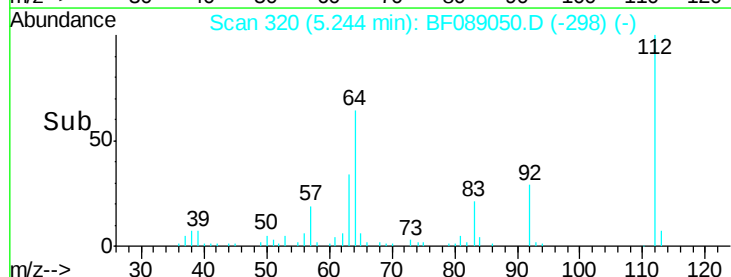
63 33.9 21.8 32.8#

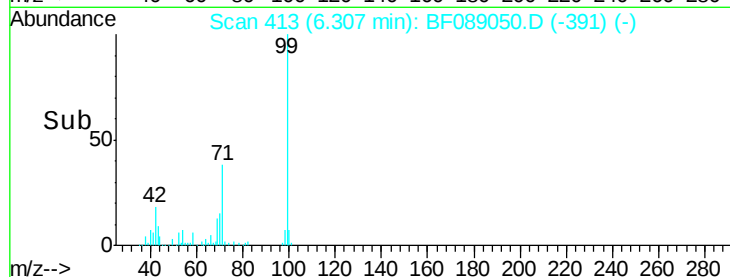
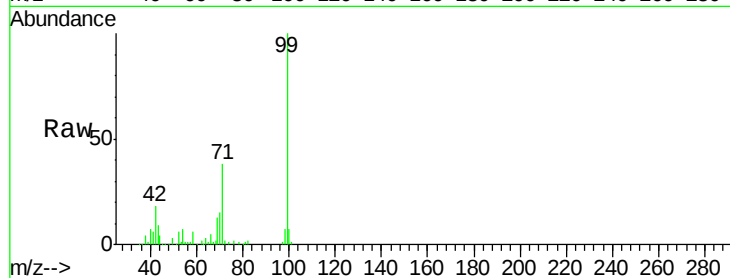


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.93 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

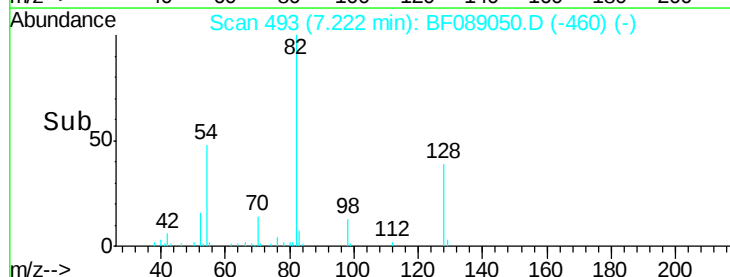
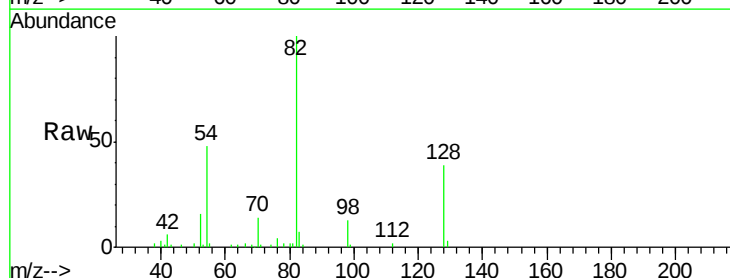
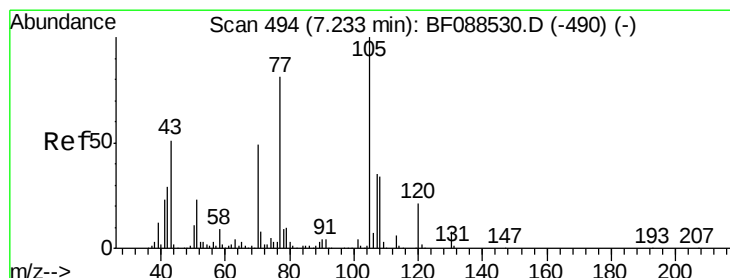
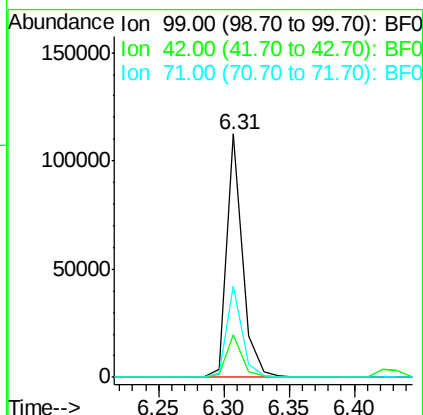
Tot Ion: 99 Resp: 95447

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 37.7 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 2.05 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.08 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Tgt Ion: 70 Resp: 7336

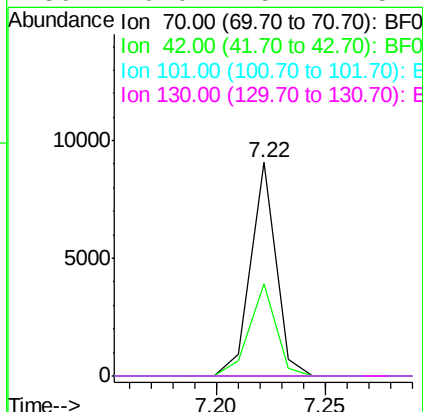
Ion Ratio Lower Upper

70 100

42 43.4 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 216799

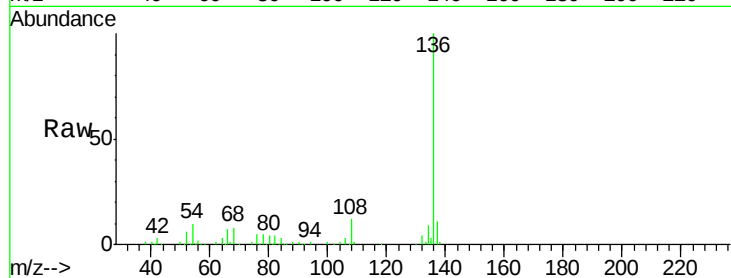
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.0 6.6 10.0#

68 7.5 5.1 7.7

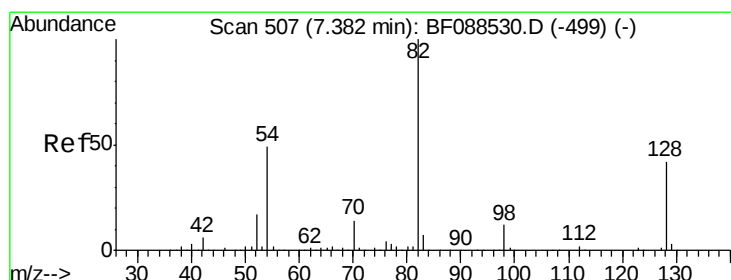
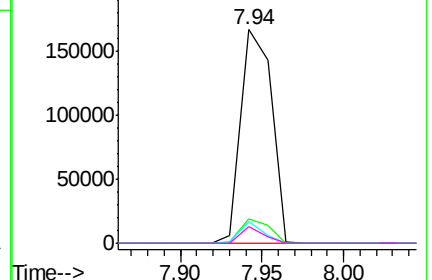
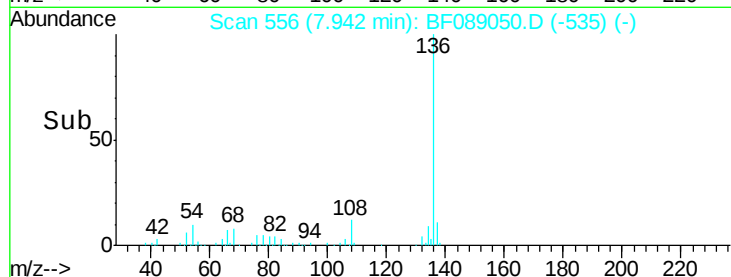


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.89 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

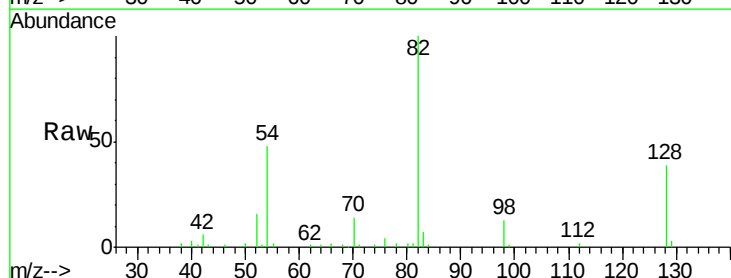
Tgt Ion: 82 Resp: 53314

Ion Ratio Lower Upper

82 100

128 39.4 35.9 53.9

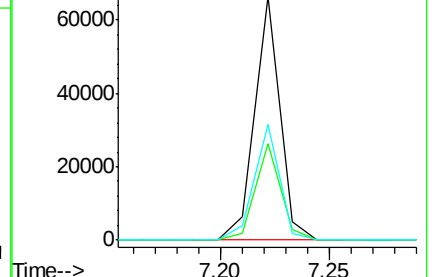
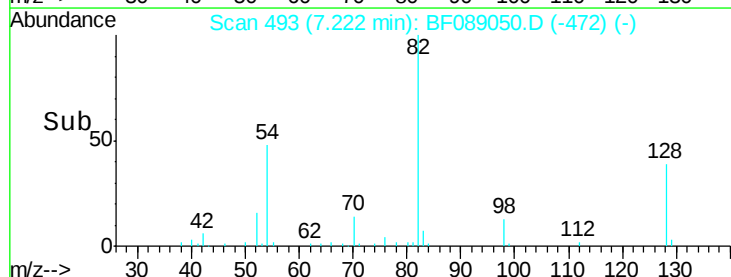
54 47.7 40.9 61.3

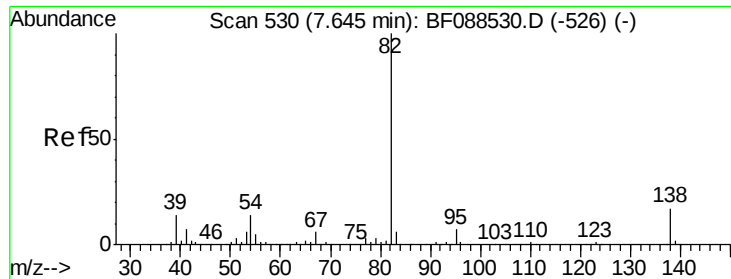


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.38 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.32 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :

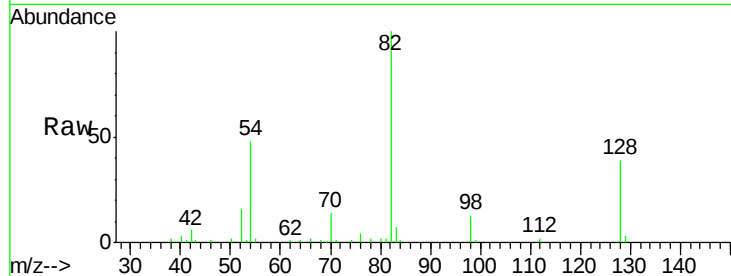
Tot Ion: 82 Resp: 48915

Ion Ratio Lower Upper

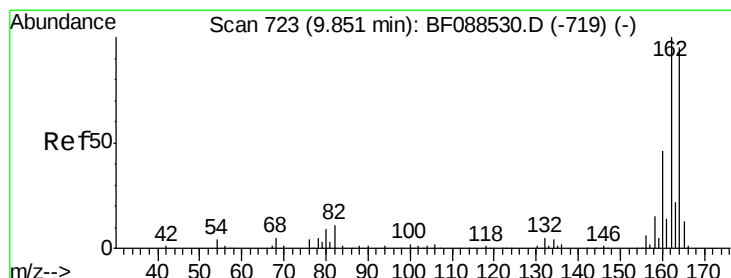
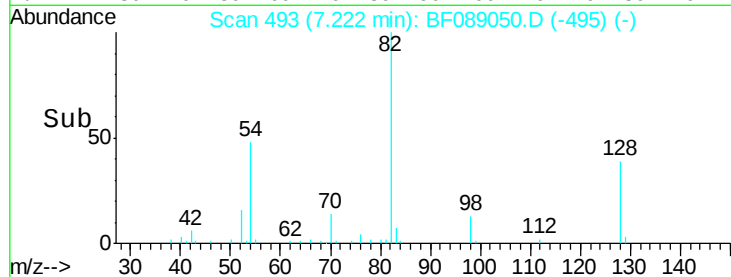
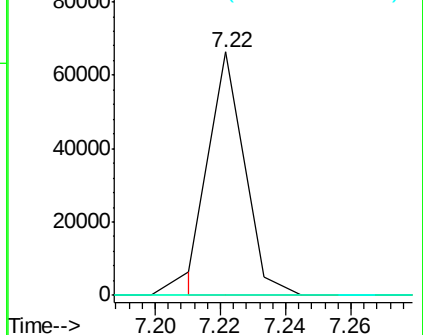
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

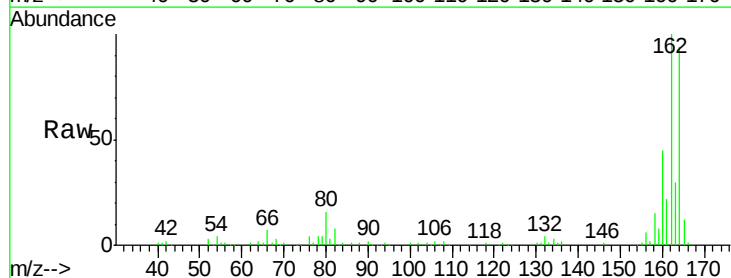
Tgt Ion:164 Resp: 104156

Ion Ratio Lower Upper

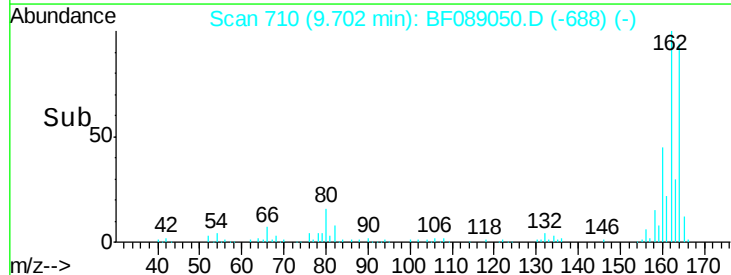
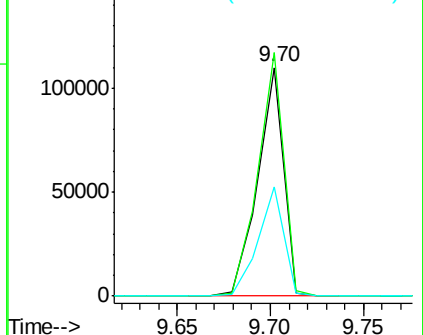
164 100

162 106.6 85.4 128.2

160 47.7 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

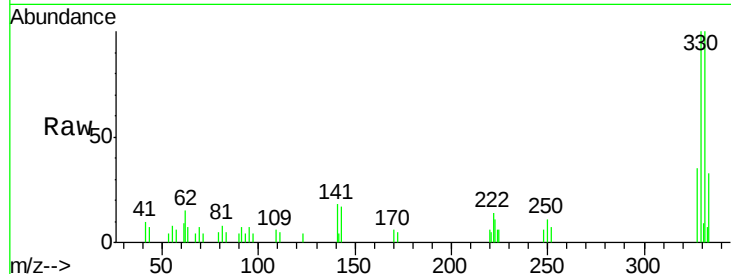




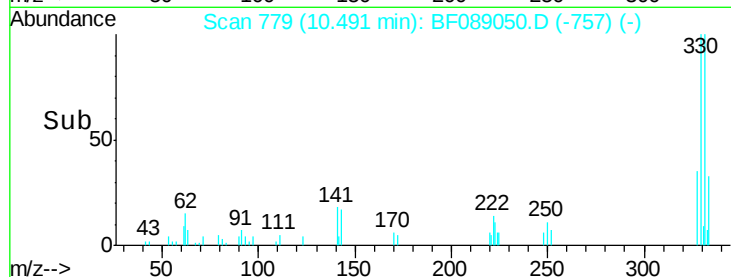
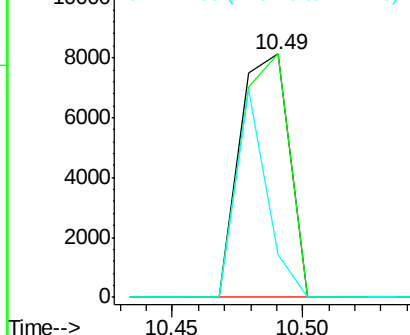
#41
 2,4,6-Tribromophenol
 Concen: 11.09 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089050.D
 Acq: 16 Jul 2016 12:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	53.5	0.0	0.0#

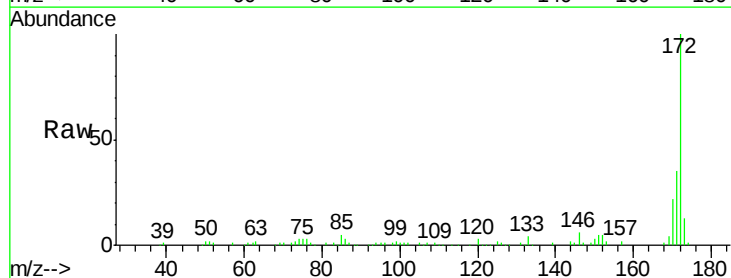


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

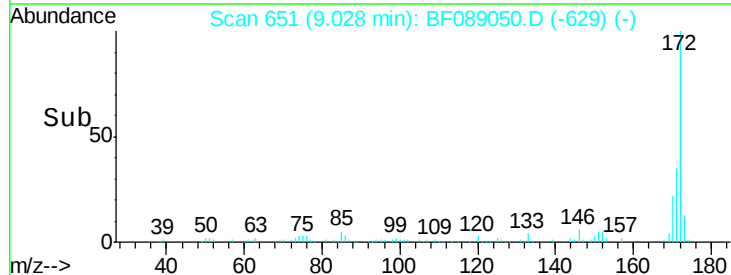
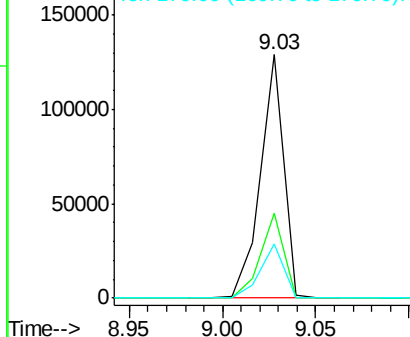


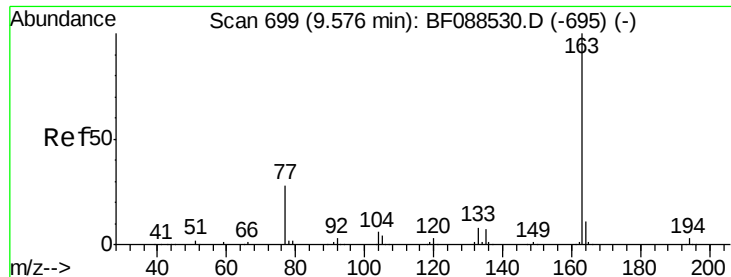
#44
 2-Fluorobiphenyl
 Concen: 16.79 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089050.D
 Acq: 16 Jul 2016 12:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	22.4	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

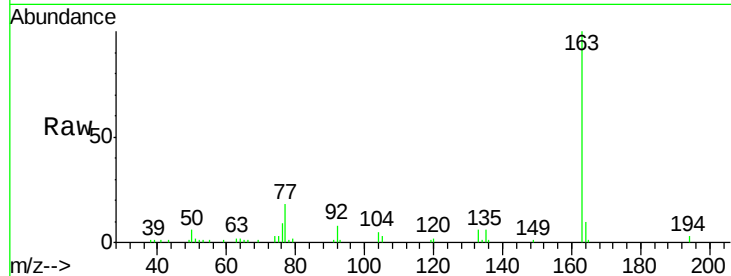




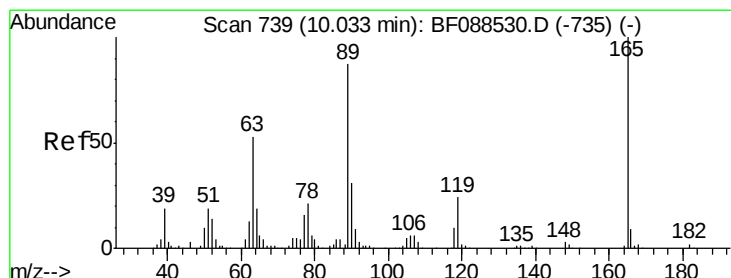
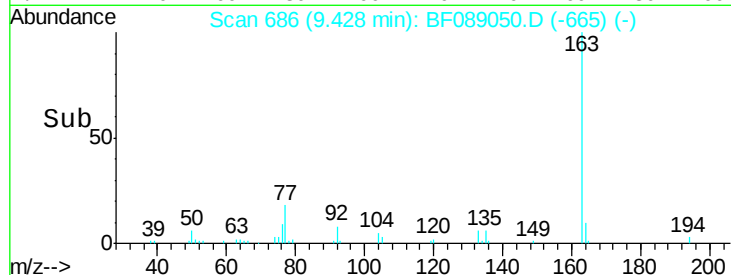
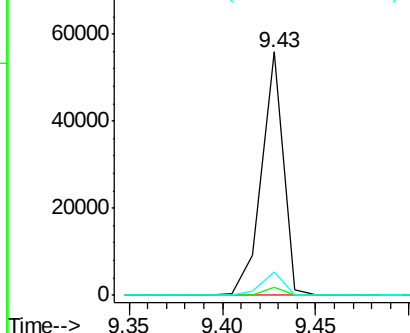
#49
Dimethylphthalate
Concen: 6.17 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089050.D
Acq: 16 Jul 2016 12:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 45817
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.9 8.3 12.5

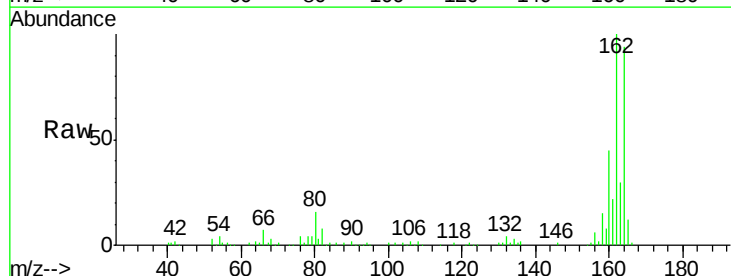


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

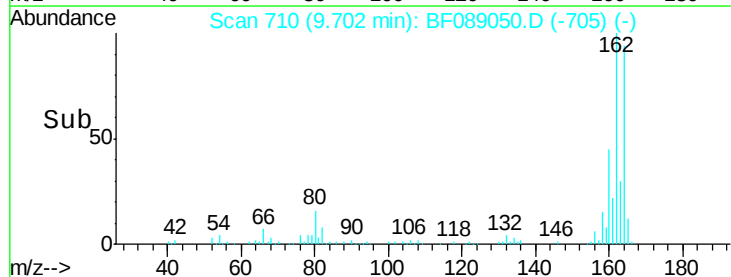
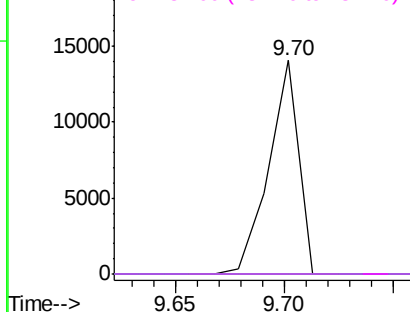


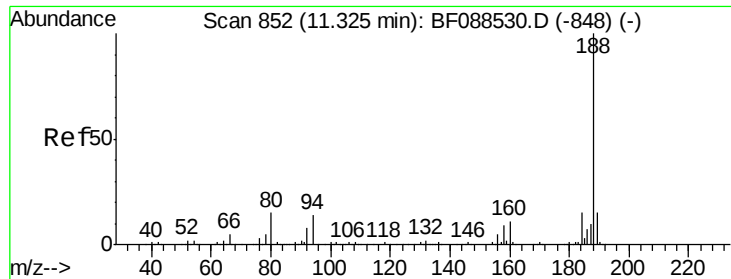
#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.24 min
Lab File: BF089050.D
Acq: 16 Jul 2016 12:36

Tgt Ion:165 Resp: 13520
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

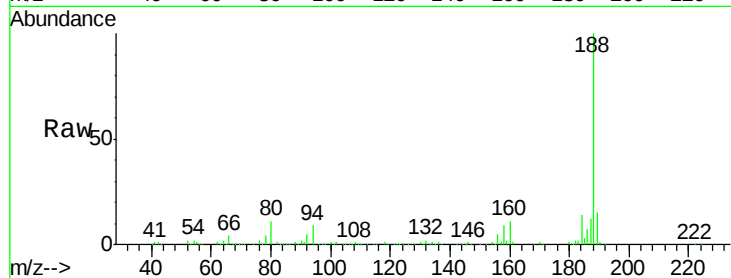




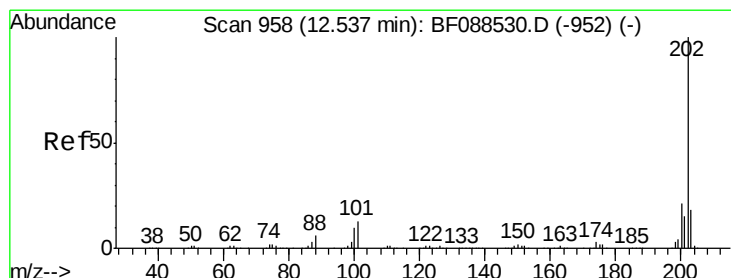
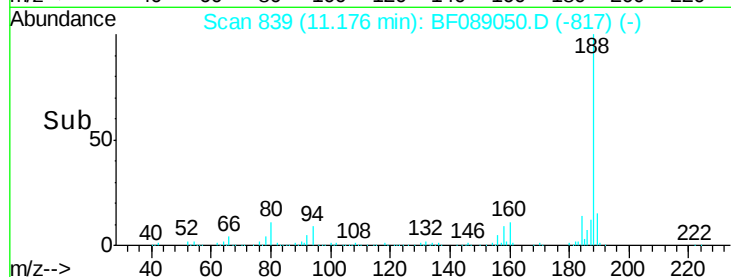
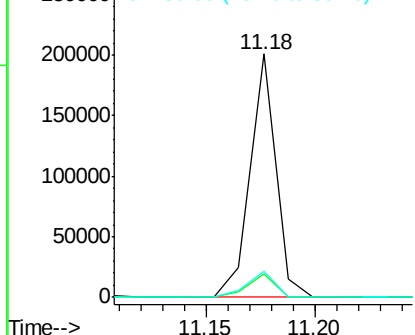
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF089050.D
Acq: 16 Jul 2016 12:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 166261
Ion Ratio Lower Upper
188 100
94 9.5 9.0 13.6
80 10.8 10.0 15.0

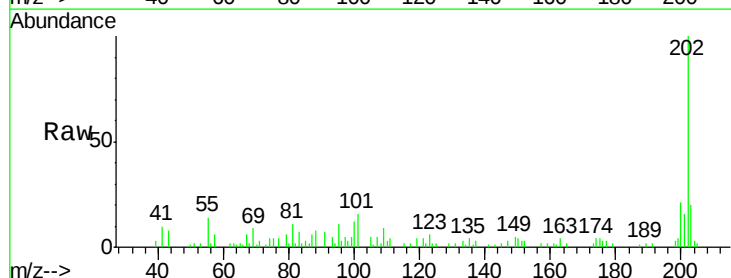


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

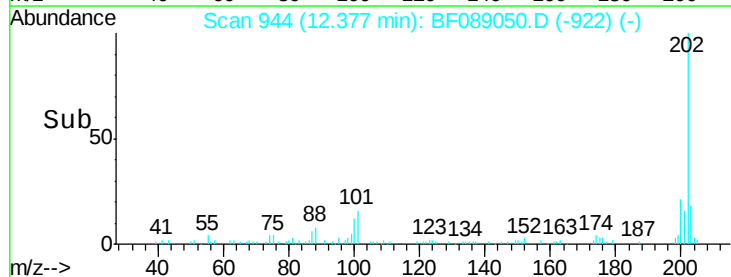
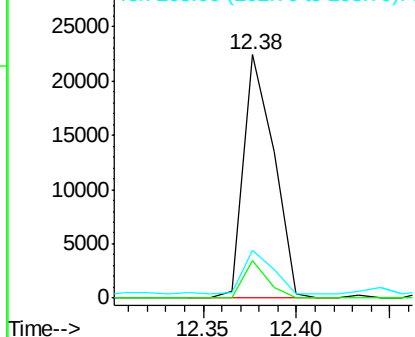


#74
Fluoranthene
Concen: 2.74 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.05 min
Lab File: BF089050.D
Acq: 16 Jul 2016 12:36

Tgt Ion:202 Resp: 25270
Ion Ratio Lower Upper
202 100
101 15.6 0.0 33.1
203 19.7 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: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

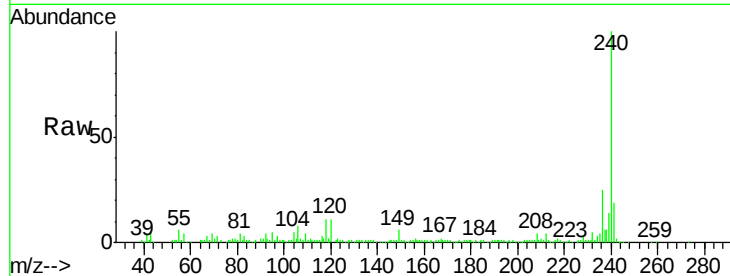
Tot Ion:240 Resp: 112631

Ion Ratio Lower Upper

240 100

120 10.9 6.8 10.2#

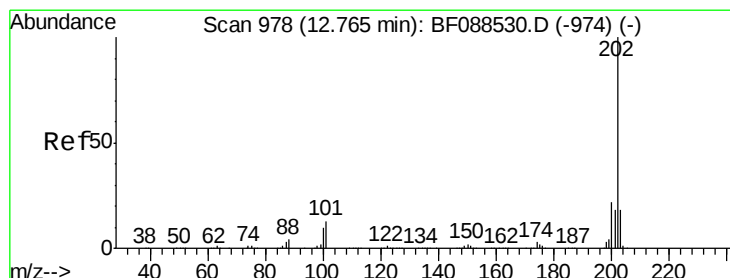
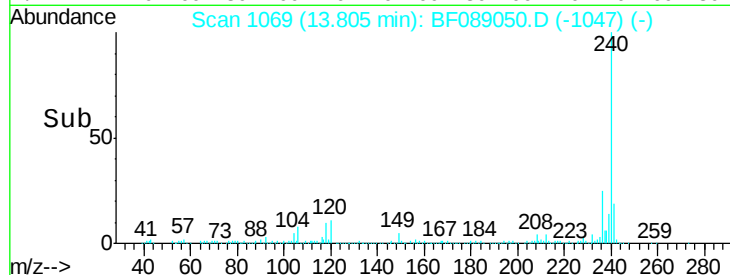
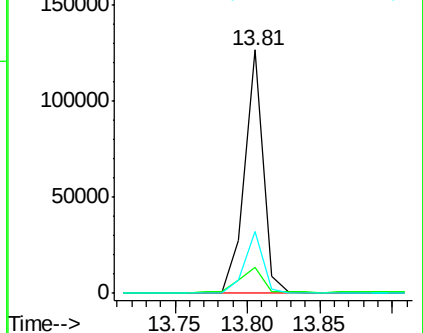
236 25.2 20.2 30.2



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: 3.39 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

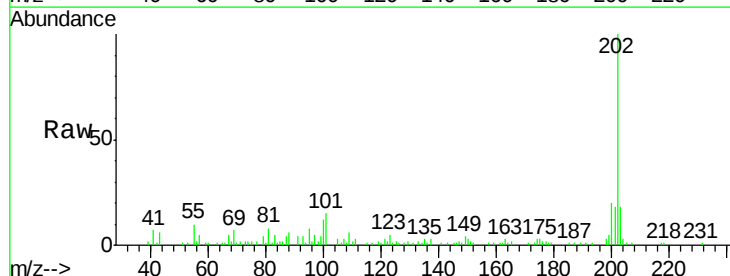
Tgt Ion:202 Resp: 32370

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

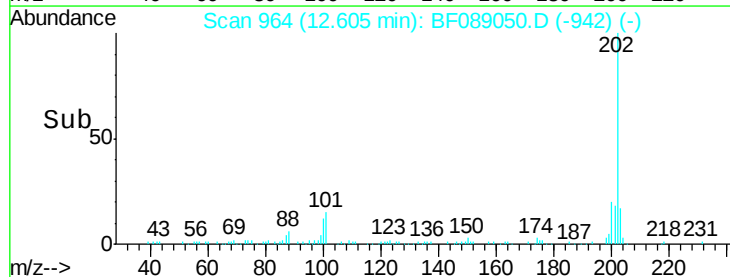
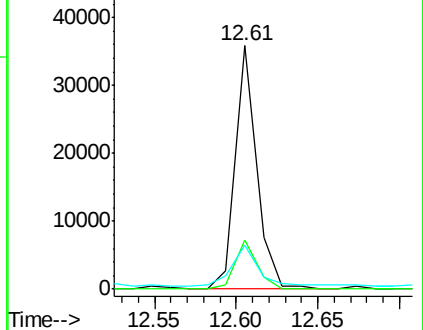
203 18.1 14.5 21.7



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: 12.60 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

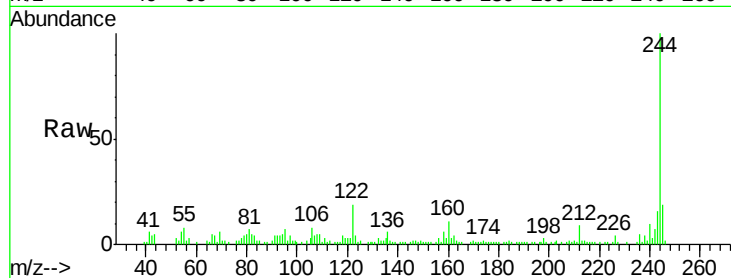
Tot Ion:244 Resp: 63717

Ion Ratio Lower Upper

244 100

212 9.1 6.0 9.0#

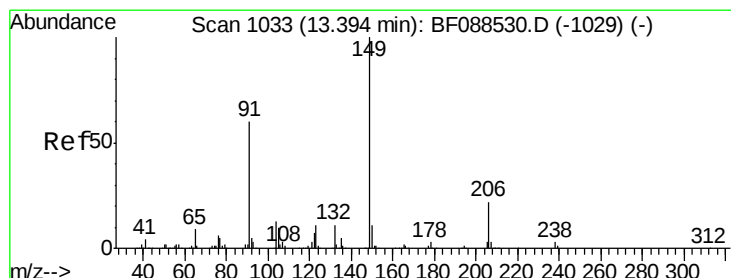
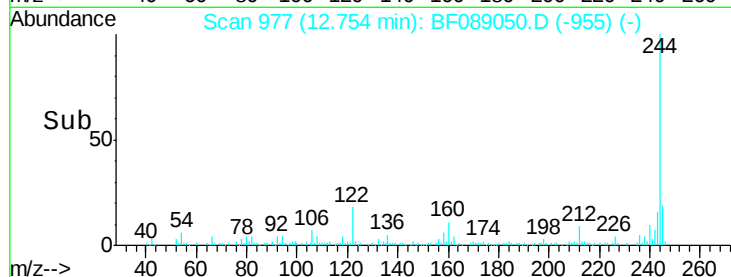
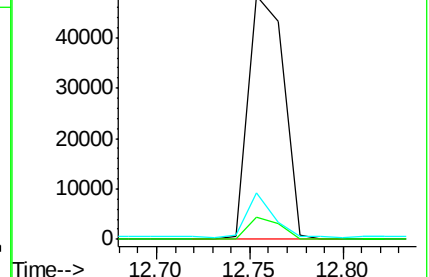
122 18.9 11.2 16.8#



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



#79

Butylbenzylphthalate

Concen: 3.85 ng

RT: 13.25 min Scan# 1020

Delta R.T. -0.03 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

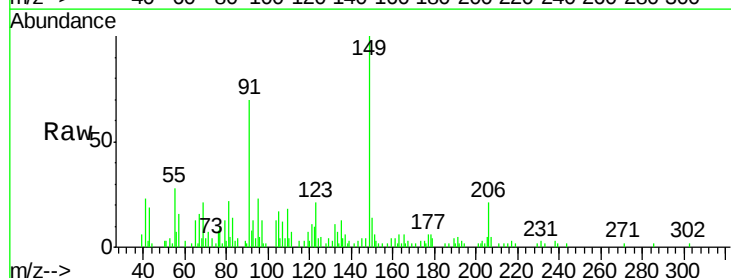
Tgt Ion:149 Resp: 16385

Ion Ratio Lower Upper

149 100

91 70.2 48.0 72.0

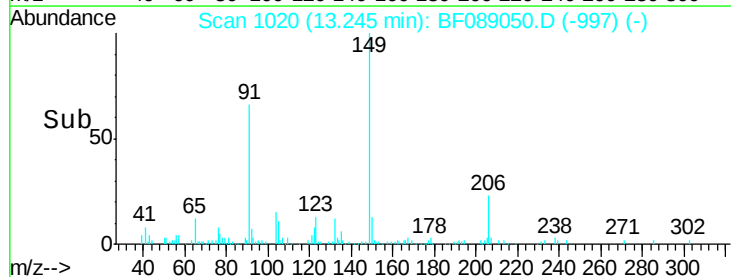
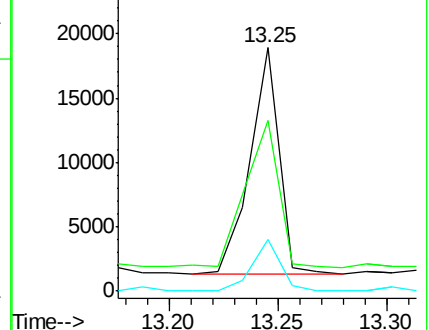
206 21.0 16.0 24.0

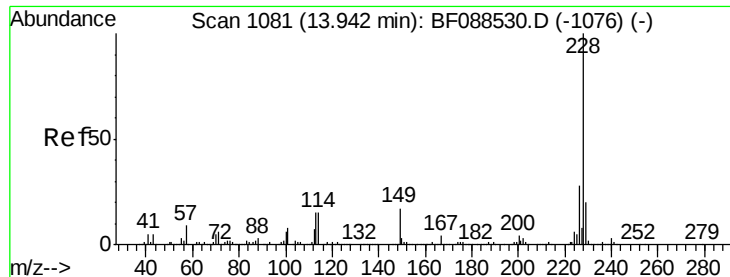


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.25 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089050.D

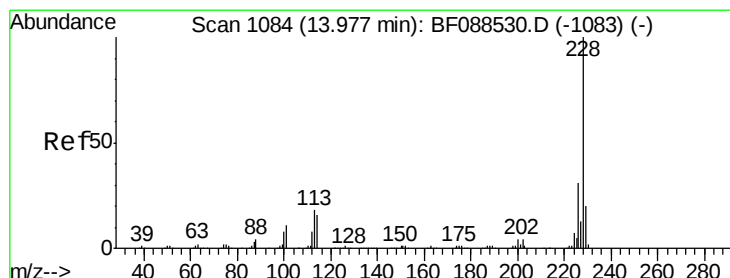
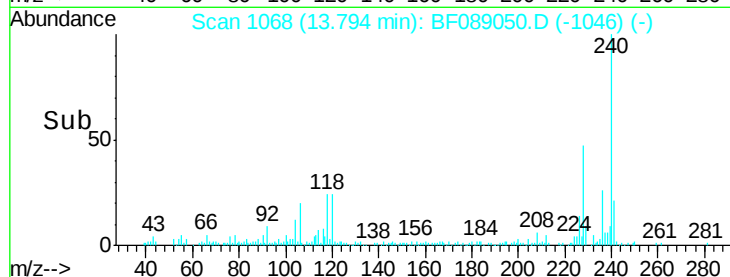
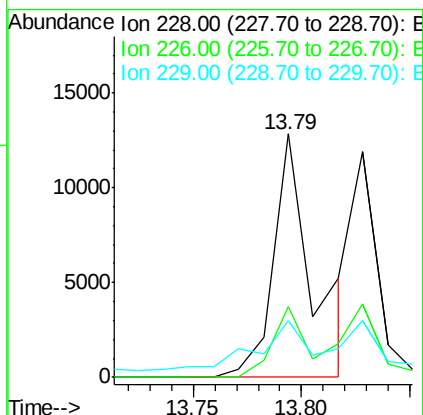
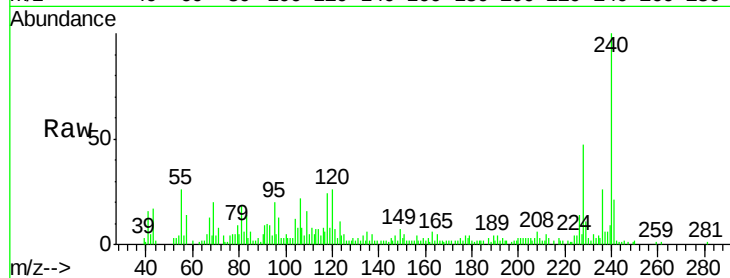
Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	16354
Ion Ratio	Lower	Upper
228	100	
226	29.3	22.3 33.5
229	23.3	16.0 24.0



#82

Chrysene

Concen: 2.28 ng

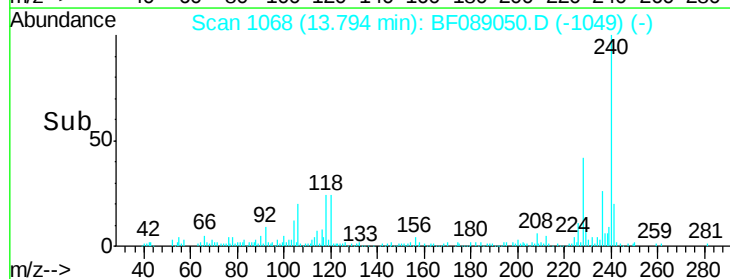
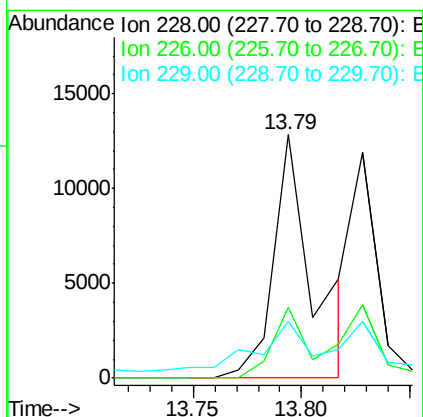
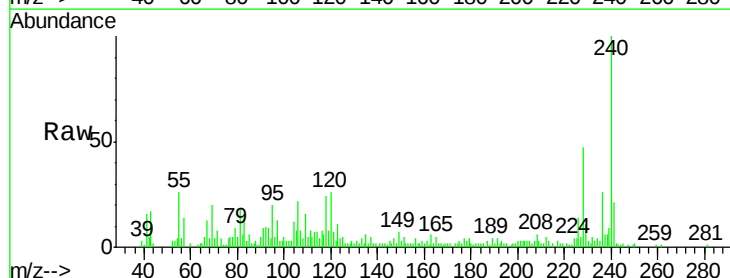
RT: 13.79 min Scan# 1068

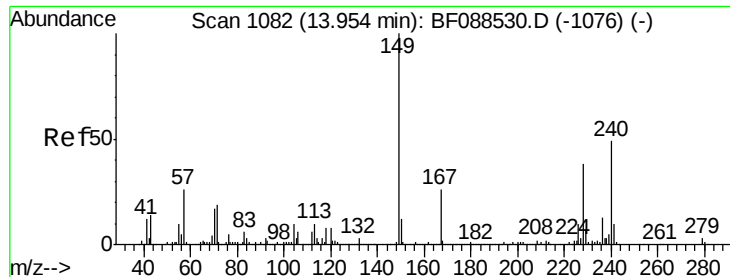
Delta R.T. -0.08 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Tgt Ion:228	Resp:	16354
Ion Ratio	Lower	Upper
228	100	
226	29.3	25.4 38.2
229	23.3	16.3 24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.59 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

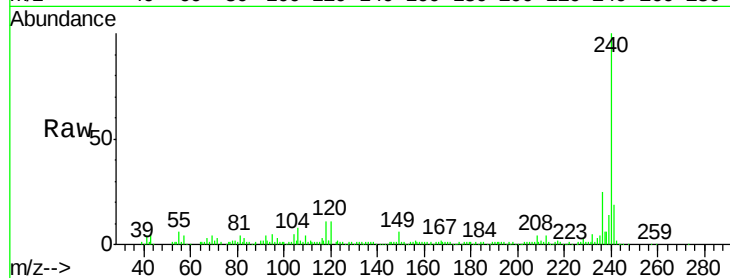
Tot Ion:149 Resp: 12606

Ion Ratio Lower Upper

149 100

167 25.4 20.5 30.7

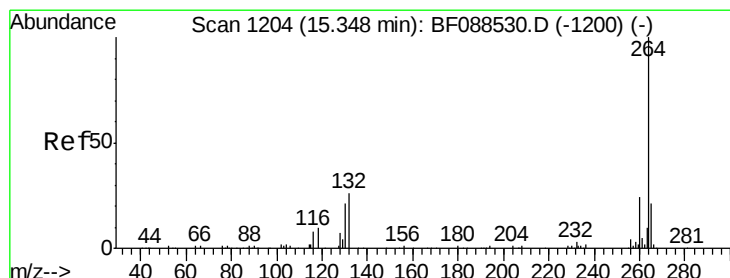
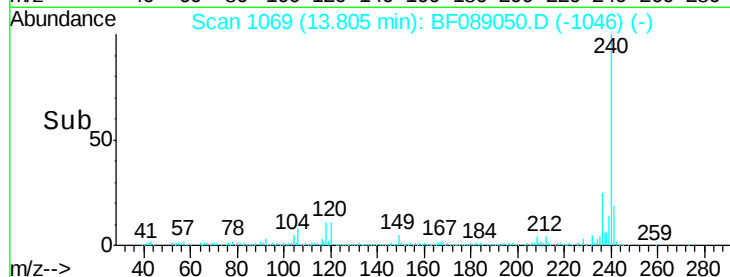
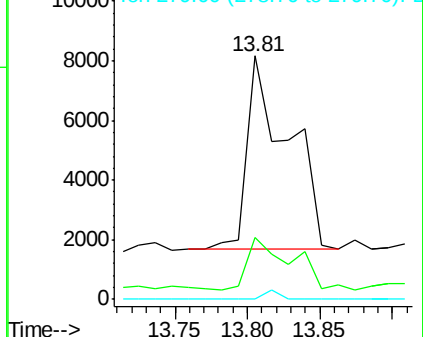
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

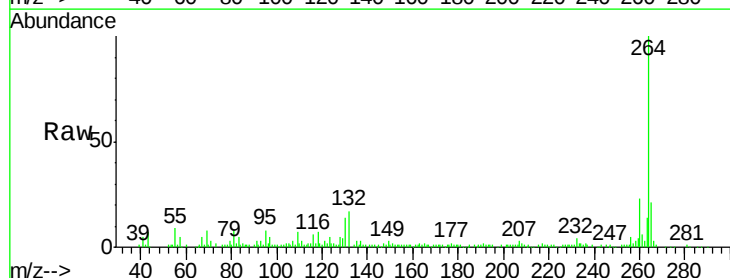
Tgt Ion:264 Resp: 100212

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

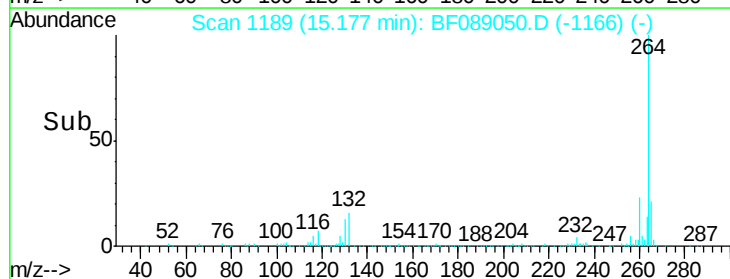
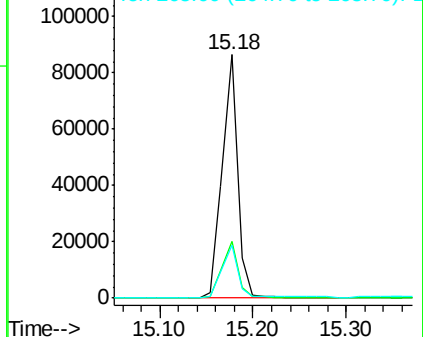
265 21.5 16.9 25.3

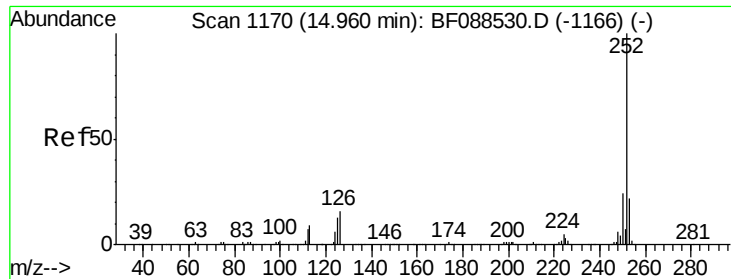


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.79 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

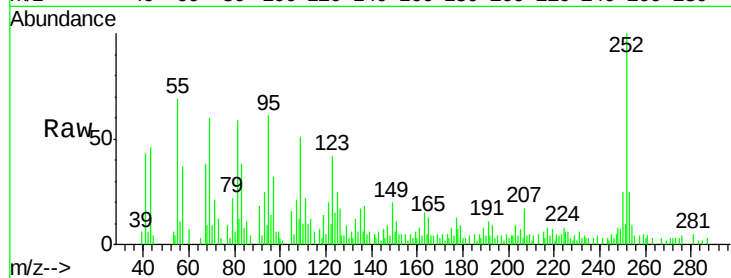
Tot Ion:252 Resp: 23835

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.2

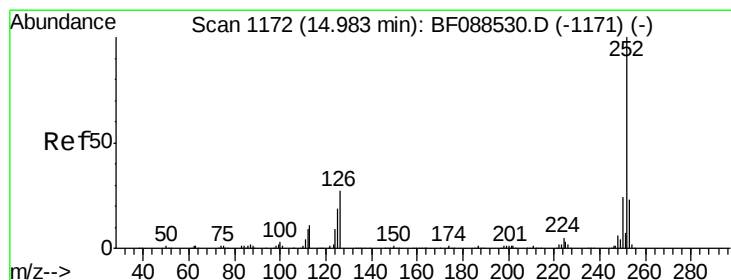
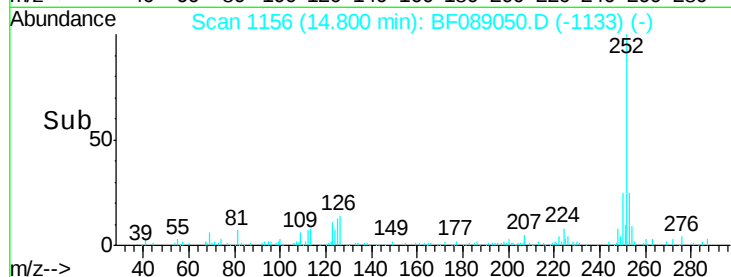
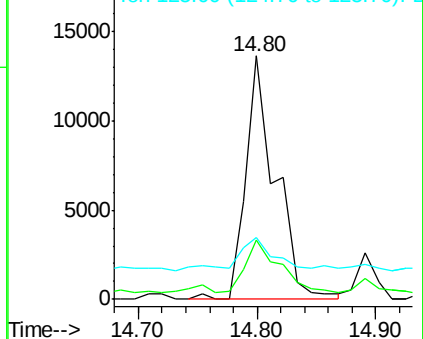
125 25.2 7.1 10.7#



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: 4.36 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

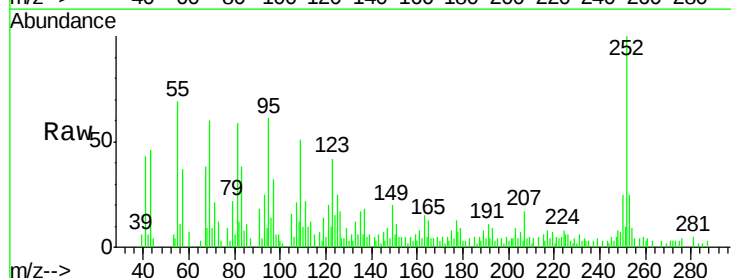
Tgt Ion:252 Resp: 23835

Ion Ratio Lower Upper

252 100

253 24.5 18.0 27.0

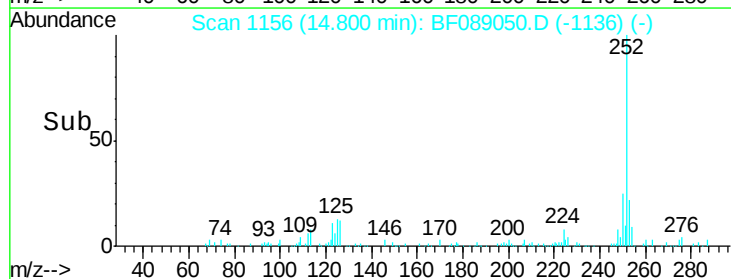
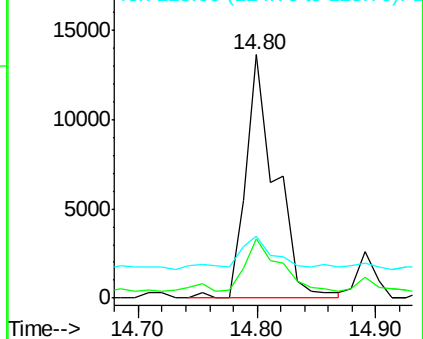
125 25.2 11.2 16.8#

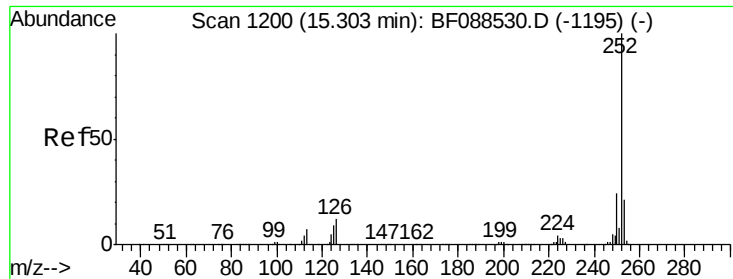


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.22 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF089050.D

Acq: 16 Jul 2016 12:36

Instrument :

BNA_F

ClientSampleId :

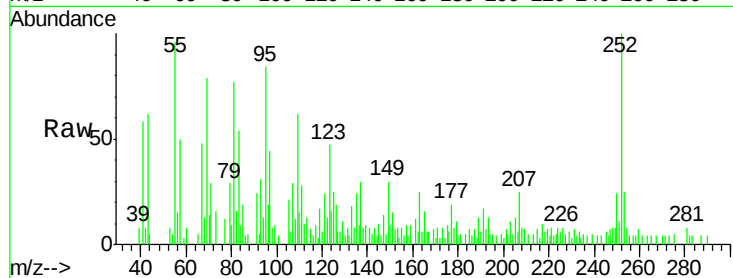
Tot Ion:252 Resp: 11794

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

125 24.6 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

