

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089053.D
 Acq On : 16 Jul 2016 14:08
 Operator : UM/SJ
 Sample : H3951-20
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:13:06 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

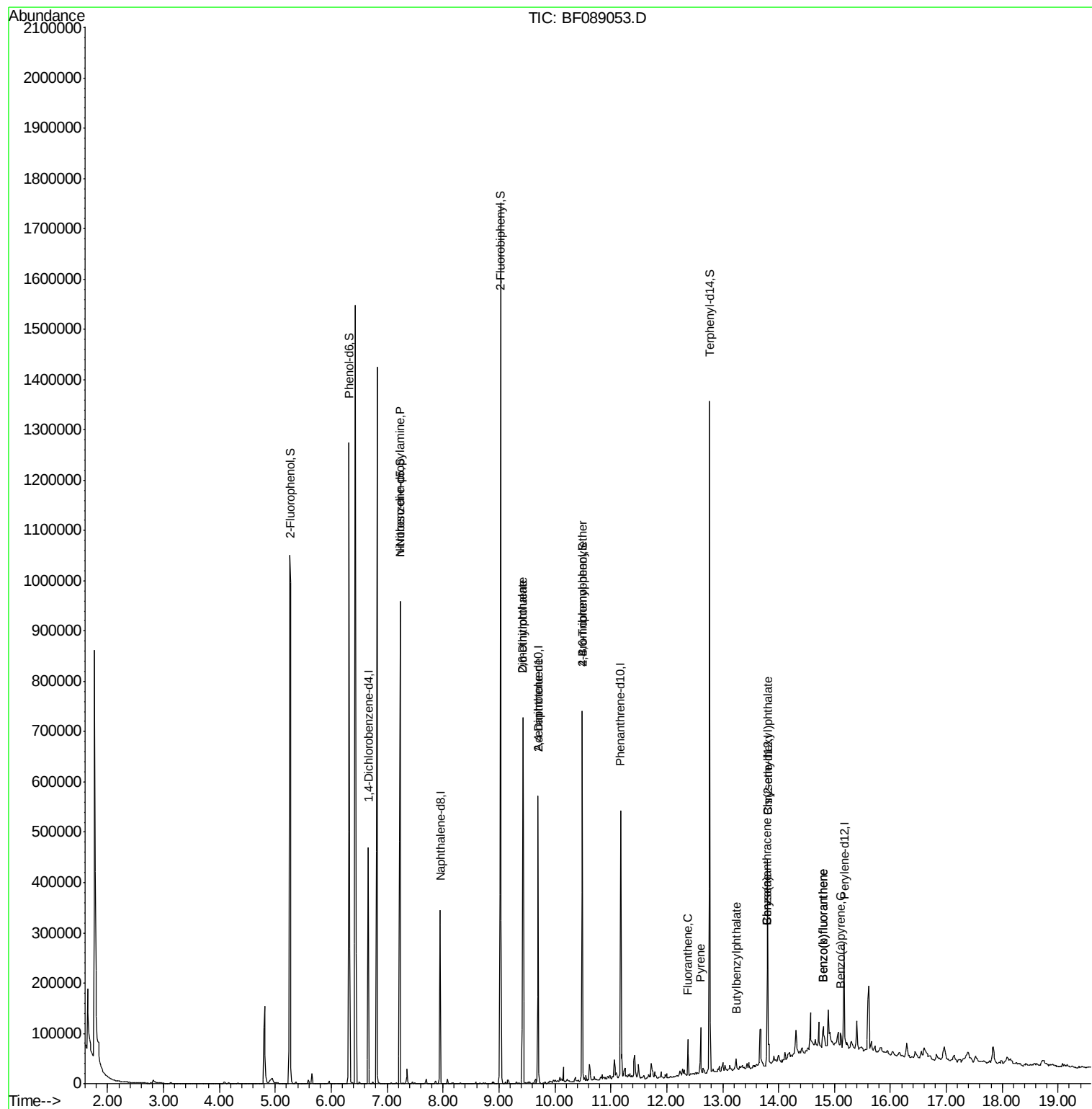
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	61207	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	229307	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	108649	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	164407	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	118774	20.00	ng	-0.05
86) Perylene-d12	15.18	264	96354	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	432813	105.98	ng	-0.02
7) Phenol-d6	6.32	99	494814	93.77	ng	-0.03
23) Nitrobenzene-d5	7.23	82	364113	83.21	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	83899	83.16	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	556828	80.95	ng	-0.05
78) Terphenyl-d14	12.77	244	373455	70.03	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	49901	14.08	ng	# 71
49) Dimethylphthalate	9.43	163	299843	38.74	ng	100
50) 2,6-Dinitrotoluene	9.43	165	3461	2.02	ng	# 1
56) 2,4-Dinitrotoluene	9.70	165	14081	6.28	ng	# 37
66) 4-Bromophenyl-phenylether	10.49	248	6638	4.01	ng	# 1
74) Fluoranthene	12.38	202	28947	3.18	ng	95
77) Pyrene	12.61	202	29873	2.97	ng	98
79) Butylbenzylphthalate	13.25	149	10258	2.28	ng	89
80) Benzo(a)anthracene	13.79	228	17824	2.33	ng	94
82) Chrysene	13.79	228	17824	2.36	ng	98
83) Bis(2-ethylhexyl)phthalate	13.81	149	13254	2.58	ng	# 96
87) Benzo(b)fluoranthene	14.80	252	23852	3.95	ng	# 87
88) Benzo(k)fluoranthene	14.80	252	23852	4.53	ng	# 92
89) Benzo(a)pyrene	15.11	252	12544	2.45	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: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

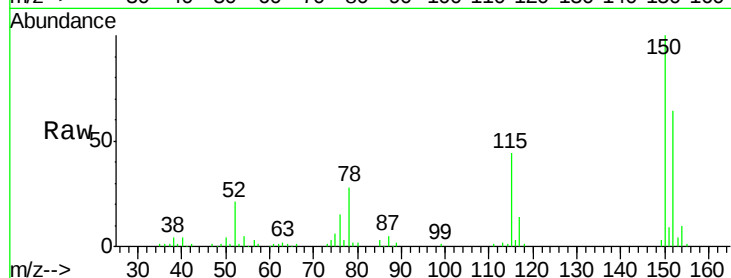
Tot Ion:152 Resp: 61207

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

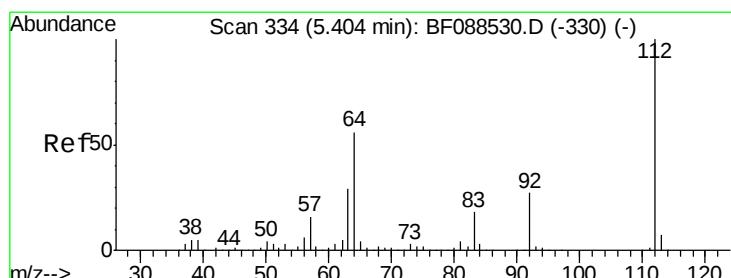
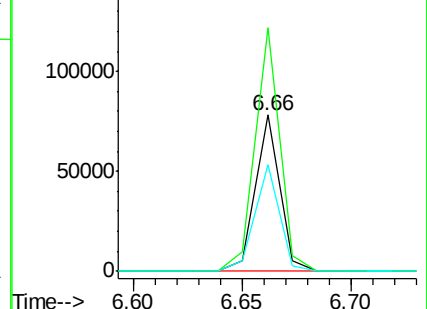
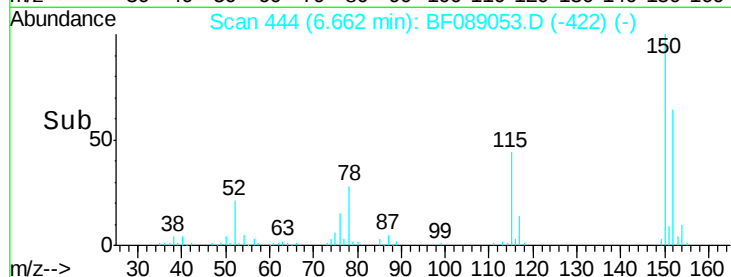
115 67.8 39.6 59.4#



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: 105.98 ng

RT: 5.27 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

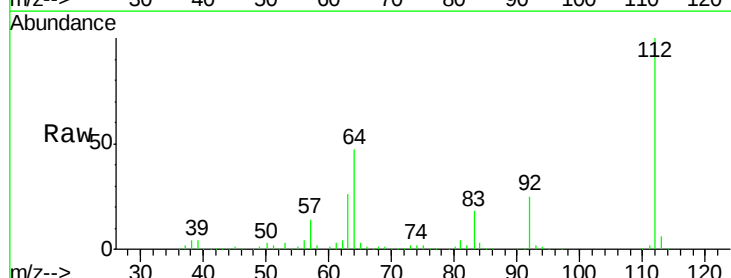
Tgt Ion:112 Resp: 432813

Ion Ratio Lower Upper

112 100

64 47.2 42.2 63.2

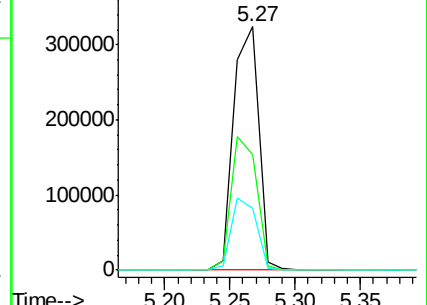
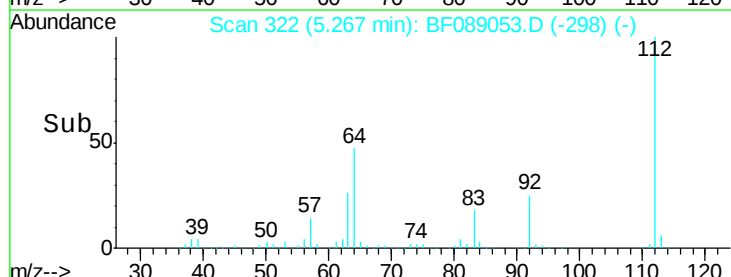
63 25.6 21.8 32.8



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: 93.77 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

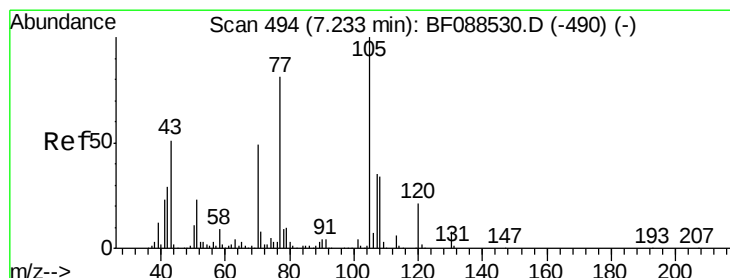
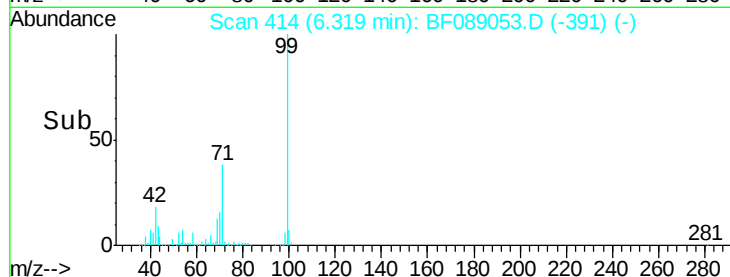
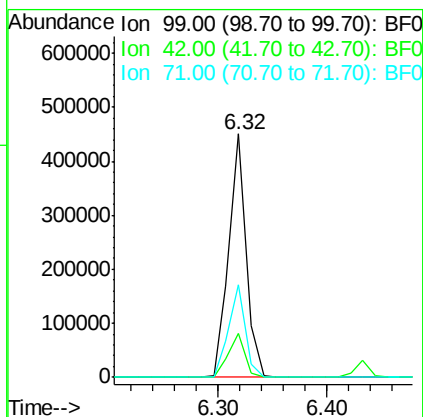
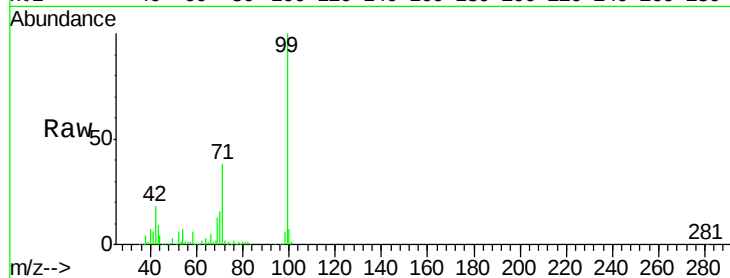
Tot Ion: 99 Resp: 494814

Ion Ratio Lower Upper

99 100

42 18.2 12.2 18.2#

71 38.2 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.08 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Tgt Ion: 70 Resp: 49901

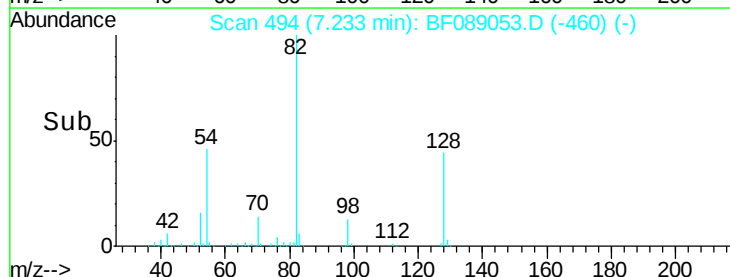
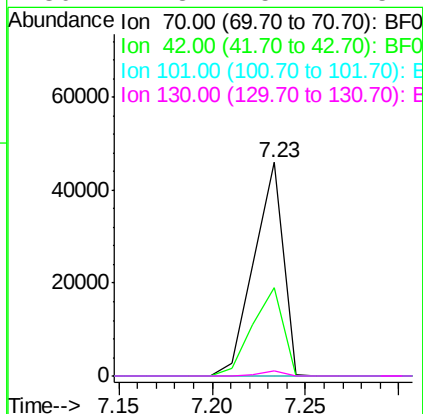
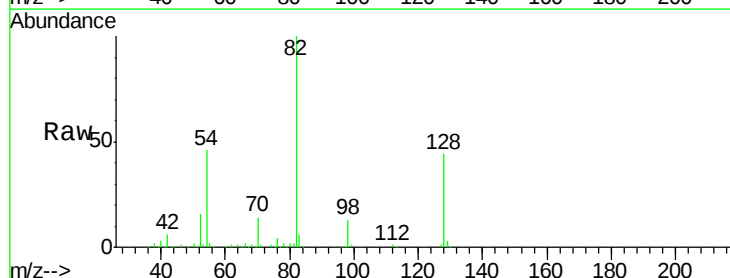
Ion Ratio Lower Upper

70 100

42 41.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 229307

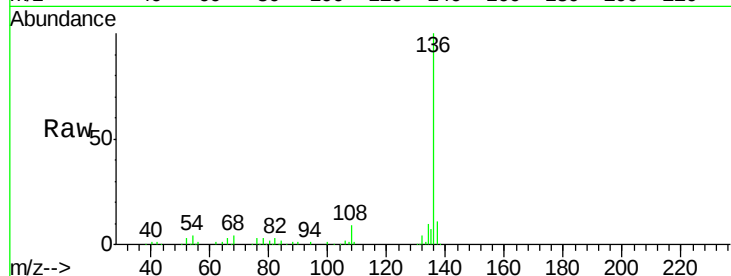
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 4.4 6.6 10.0#

68 3.7 5.1 7.7#

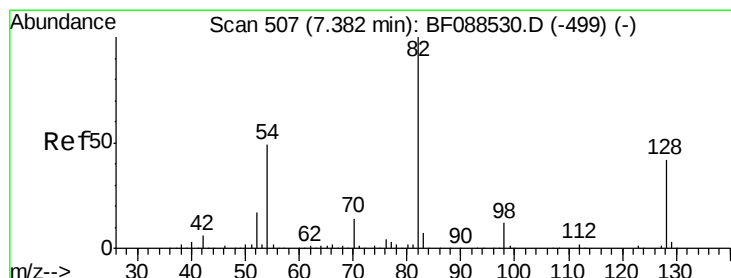
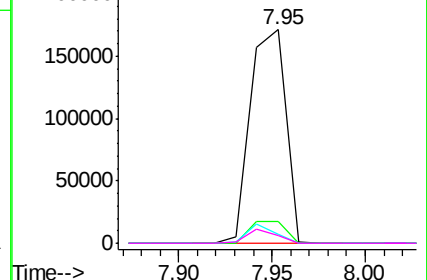
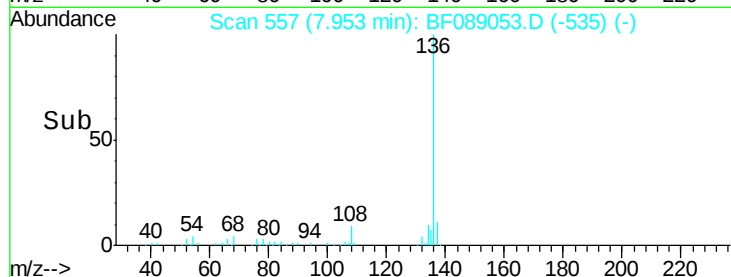


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.21 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

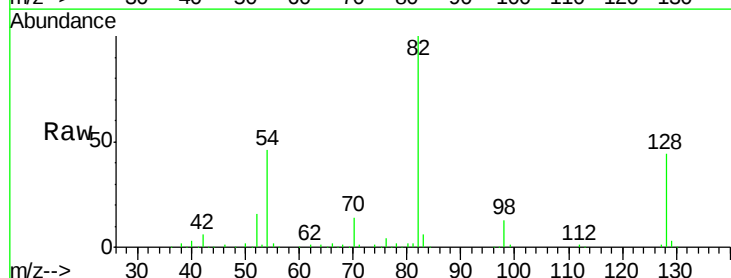
Tgt Ion: 82 Resp: 364113

Ion Ratio Lower Upper

82 100

128 43.8 35.9 53.9

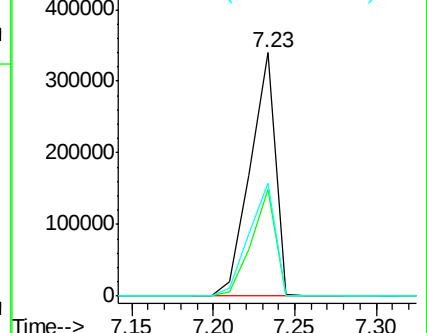
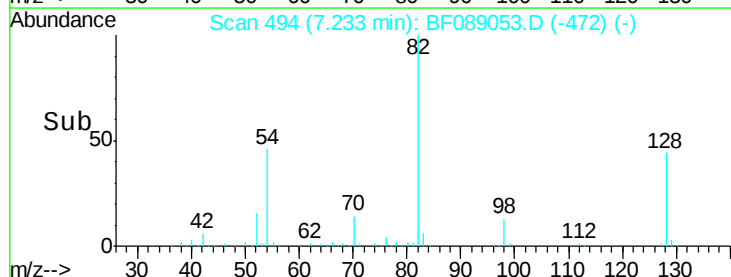
54 46.2 40.9 61.3

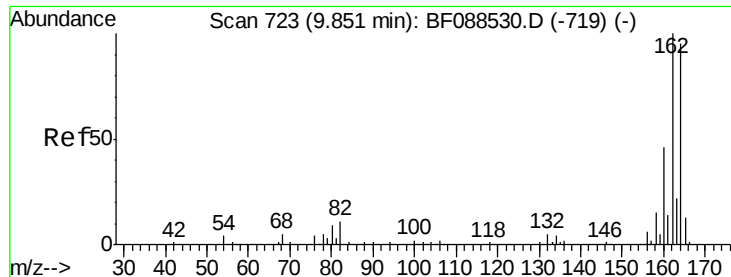


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.70 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

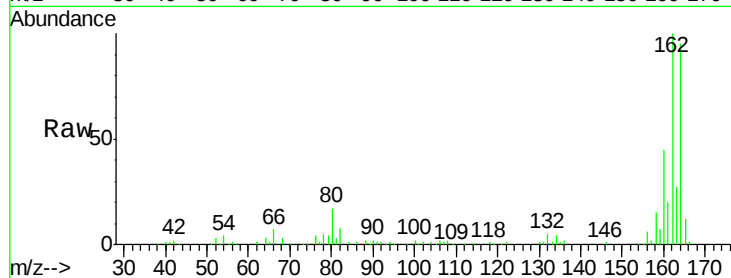
Tot Ion:164 Resp: 108649

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

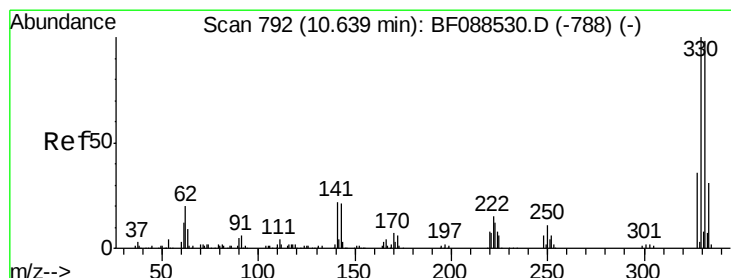
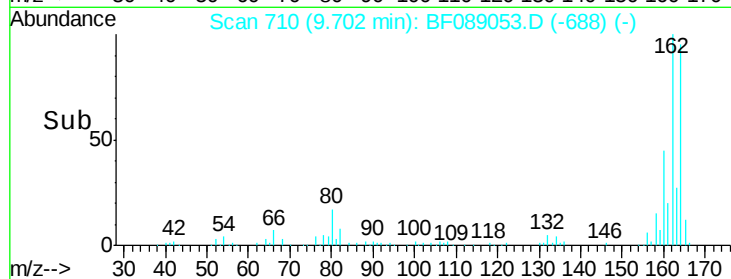
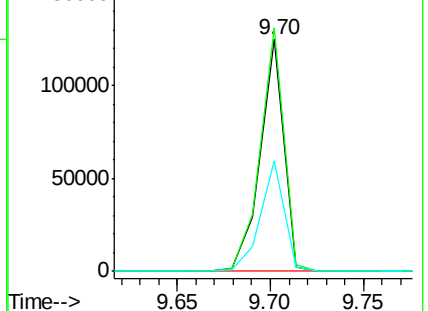
160 47.6 39.5 59.3



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: 83.16 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

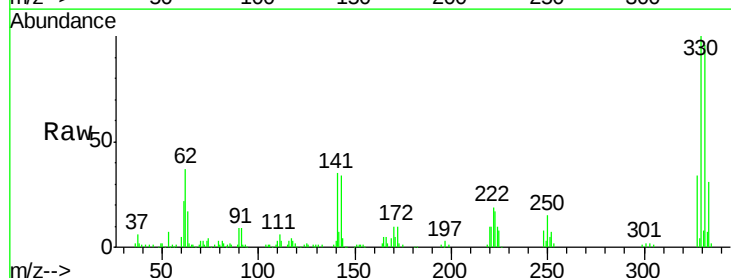
Tgt Ion:330 Resp: 83899

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

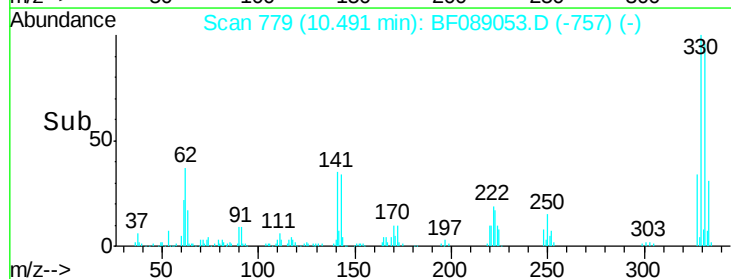
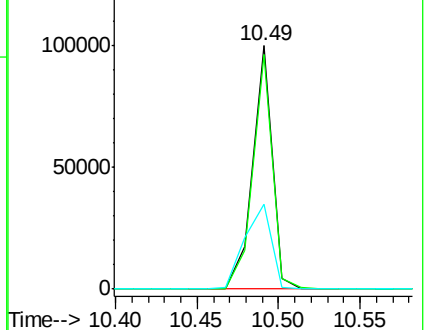
141 47.1 0.0 0.0#

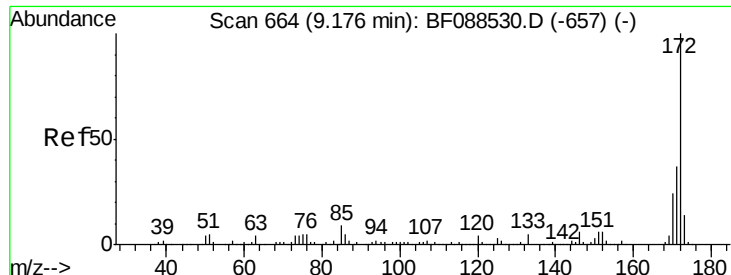


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

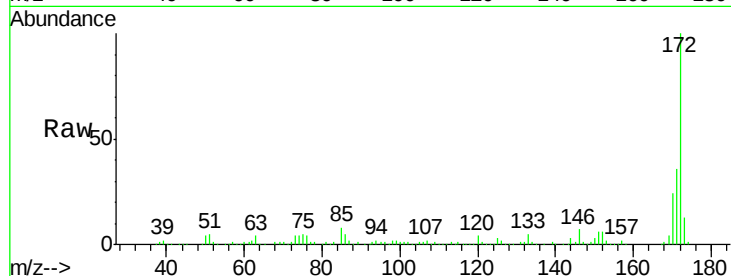




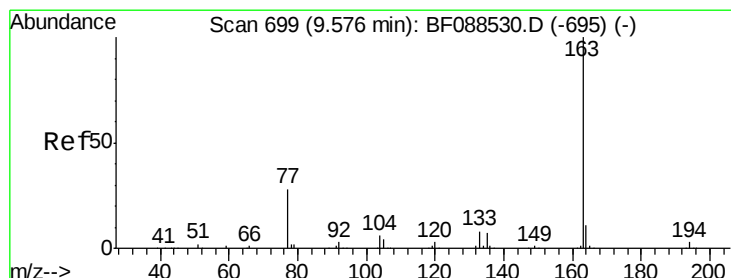
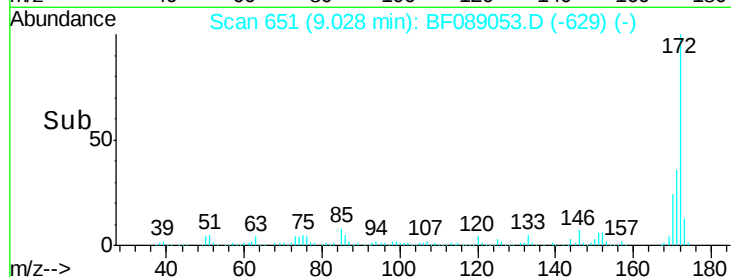
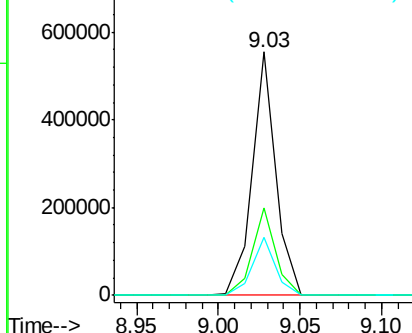
#44
2-Fluorobiphenyl
Concen: 80.95 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 556828
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.6 19.2 28.8

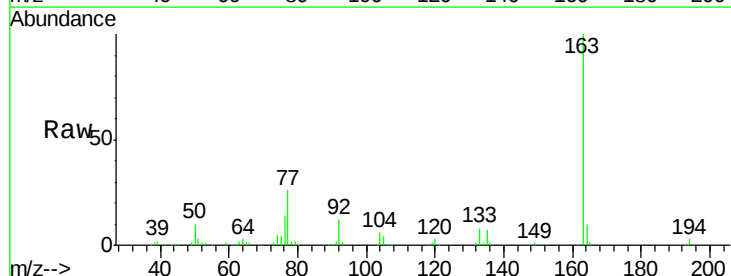


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

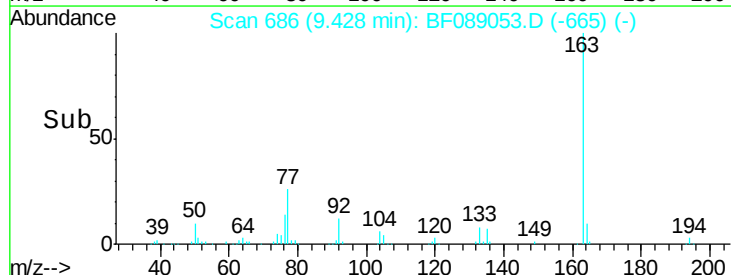
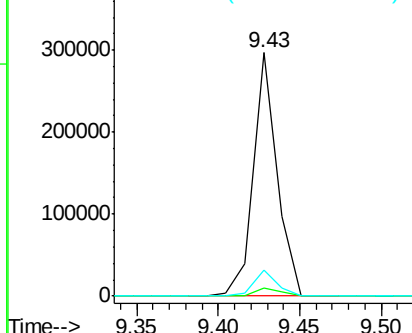


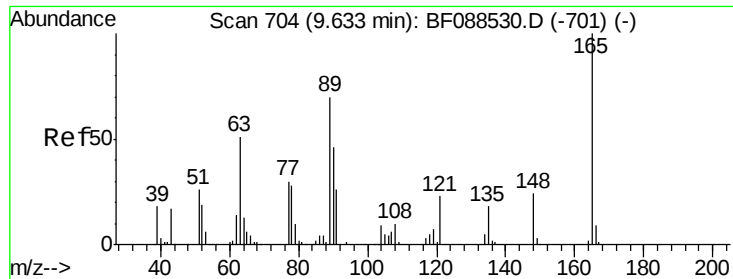
#49
Dimethylphthalate
Concen: 38.74 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Tgt Ion:163 Resp: 299843
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.5 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

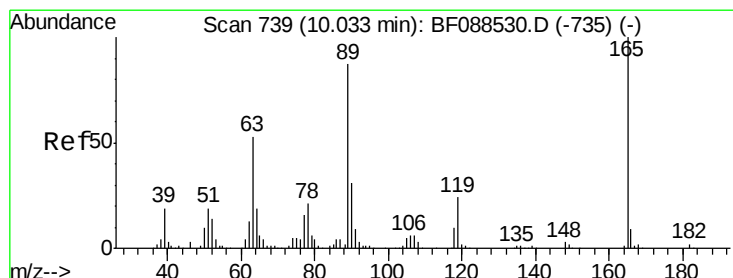
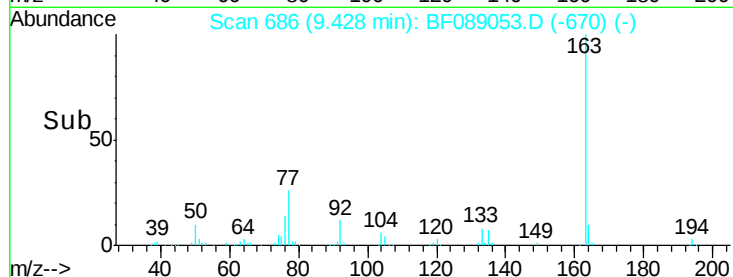
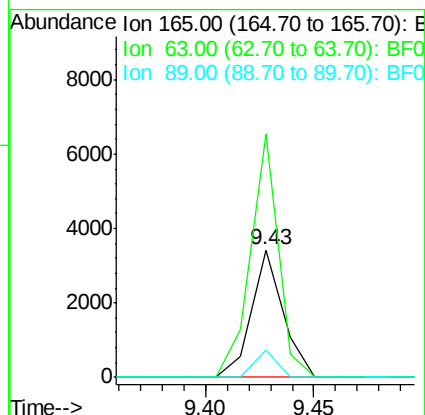
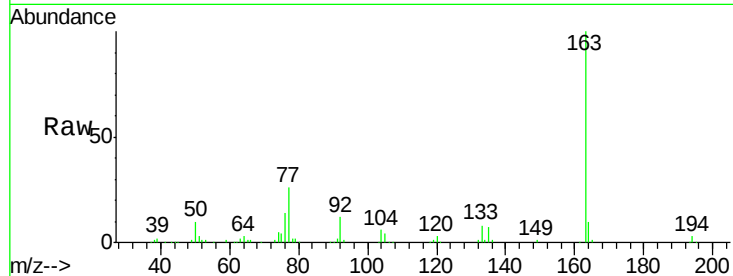




#50
2,6-Dinitrotoluene
Concen: 2.02 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.11 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

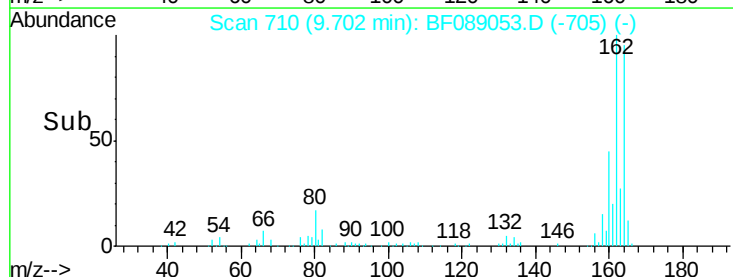
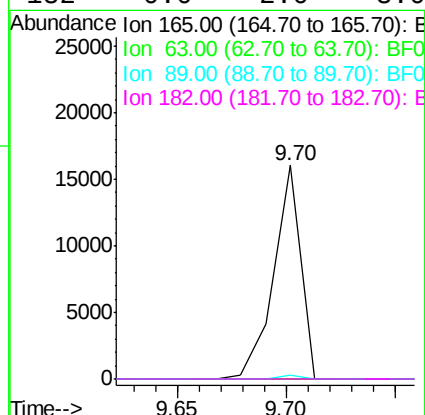
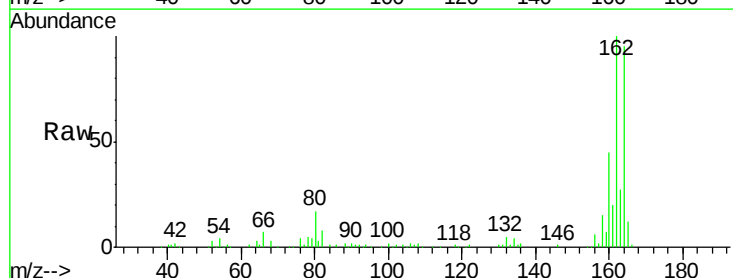
Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 3461
Ion Ratio Lower Upper
165 100
63 191.0 28.1 42.1#
89 21.9 32.2 48.2#



#56
2,4-Dinitrotoluene
Concen: 6.28 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.24 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Tgt Ion:165 Resp: 14081
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 1.9 41.1 61.7#
182 0.0 2.0 3.0#

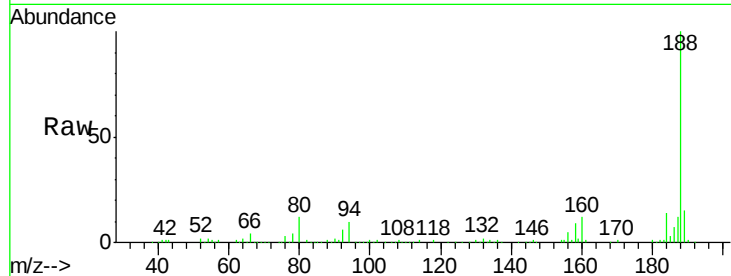




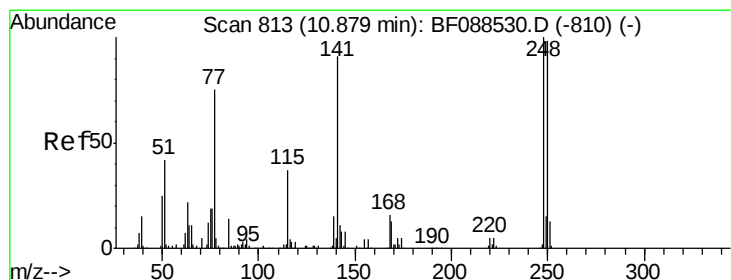
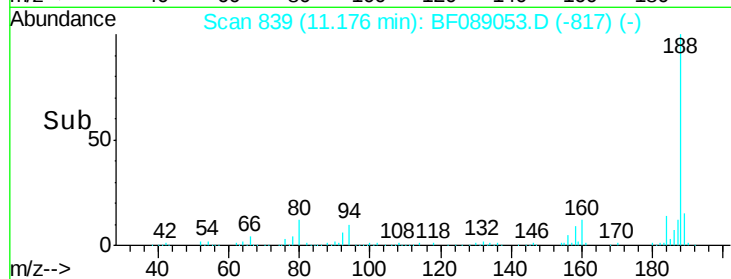
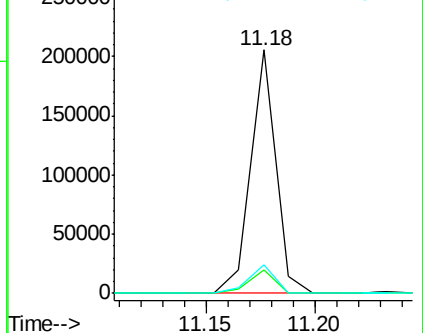
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 164407
Ion Ratio Lower Upper
188 100
94 9.8 9.0 13.6
80 11.6 10.0 15.0

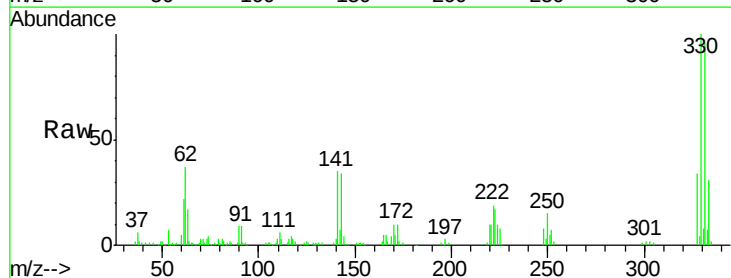


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

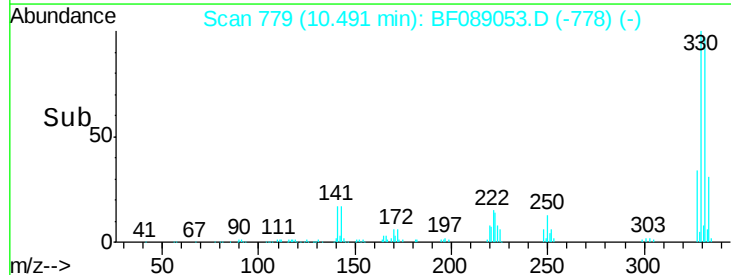
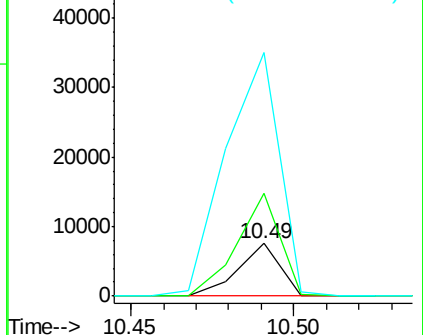


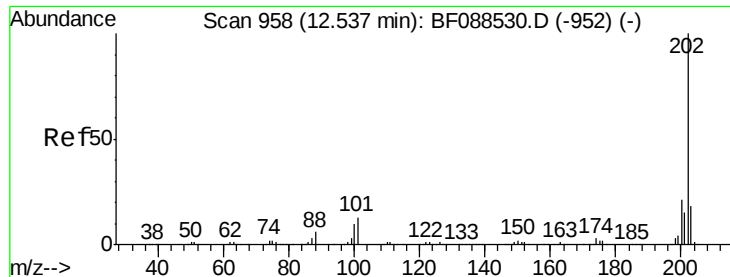
#66
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Tgt Ion:248 Resp: 6638
Ion Ratio Lower Upper
248 100
250 197.3 77.1 115.7#
141 465.8 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: 3.18 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

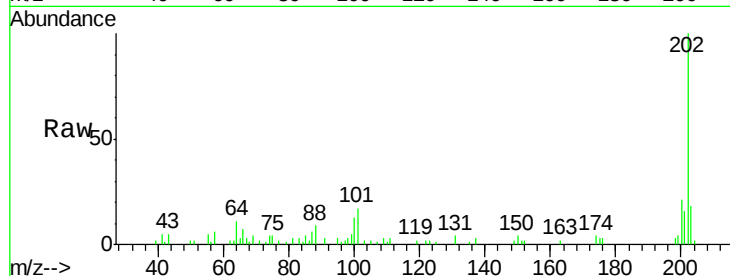
Tot Ion:202 Resp: 28947

Ion Ratio Lower Upper

202 100

101 17.0 0.0 33.1

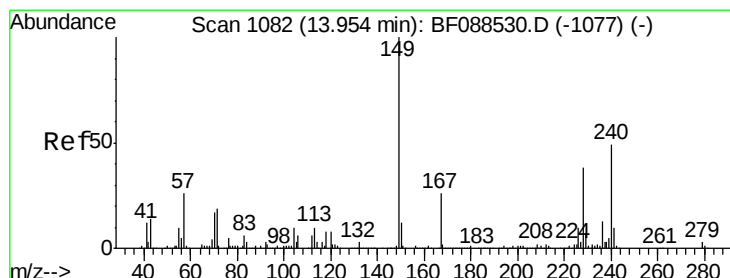
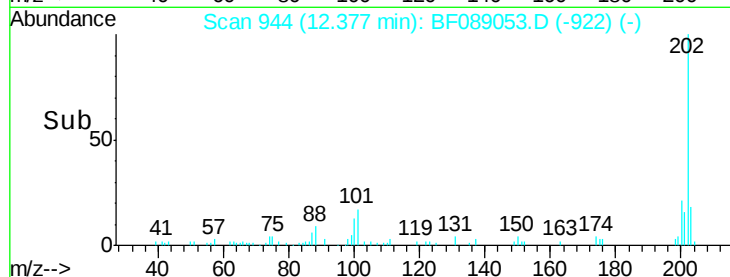
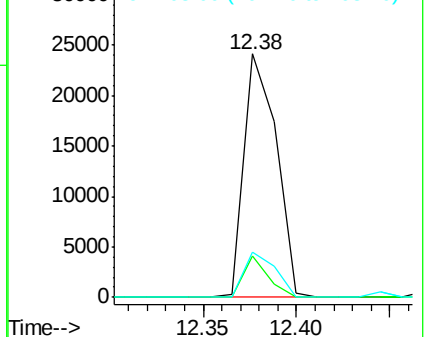
203 18.4 0.0 38.1



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: BF089053.D

Acq: 16 Jul 2016 14:08

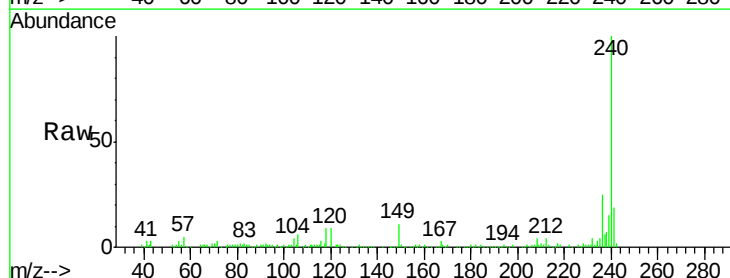
Tgt Ion:240 Resp: 118774

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

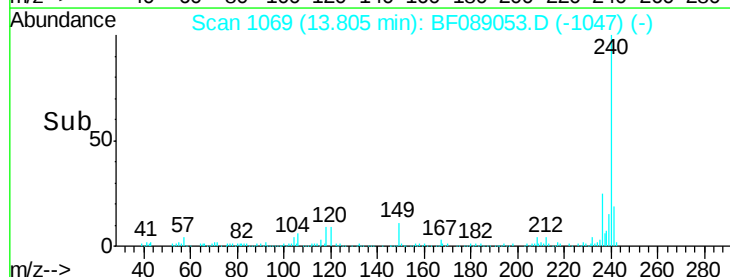
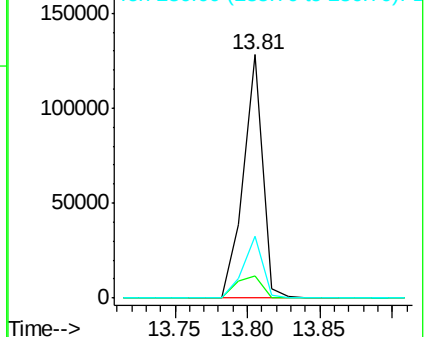
236 25.3 20.2 30.2

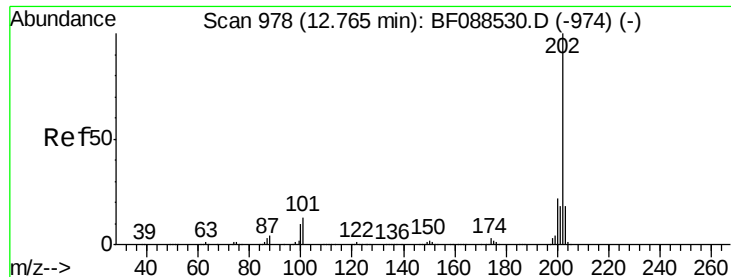


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.97 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.05 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

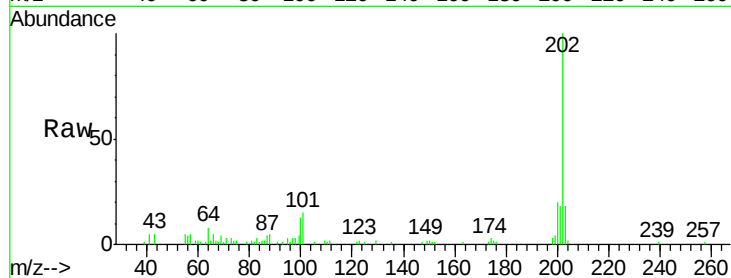
Tot Ion:202 Resp: 29873

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

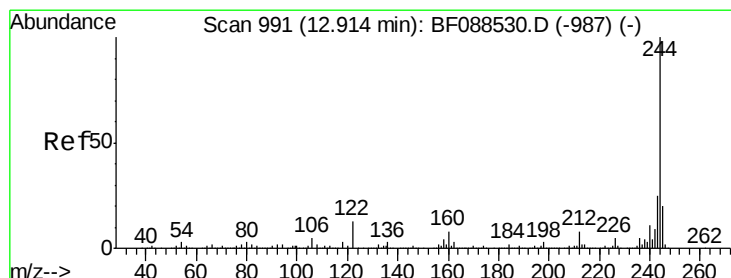
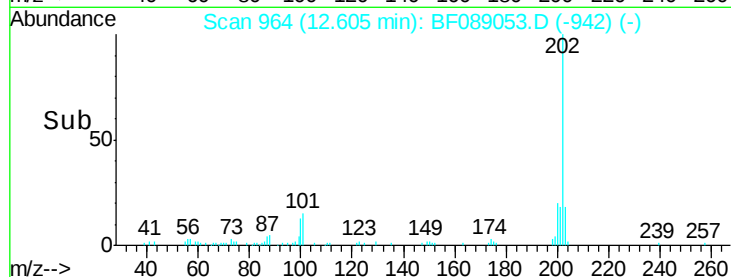
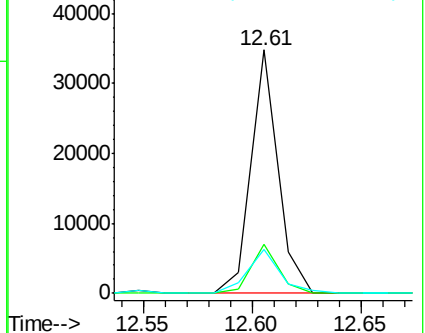
203 18.0 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.03 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

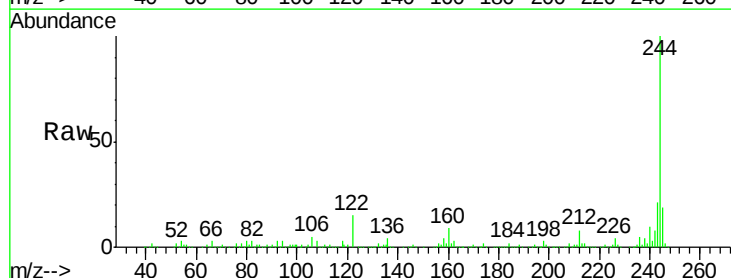
Tgt Ion:244 Resp: 373455

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

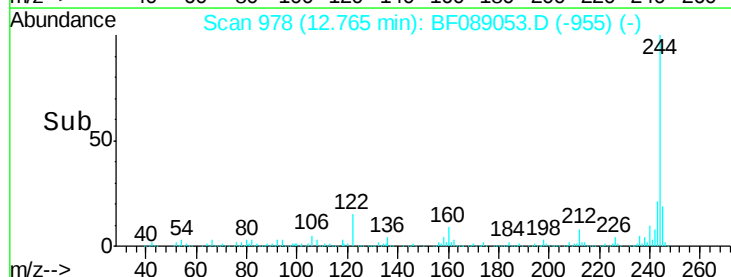
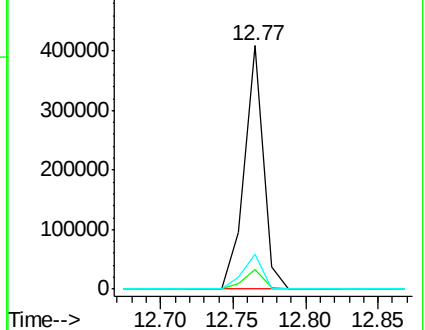
122 14.6 11.2 16.8

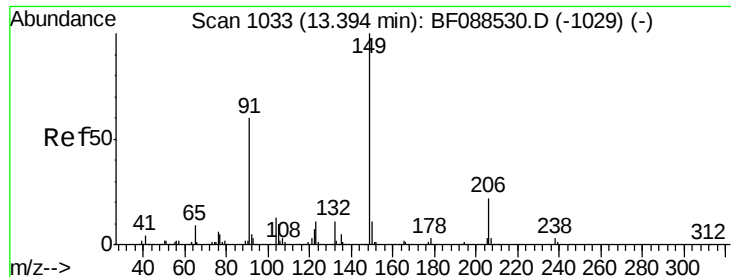


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

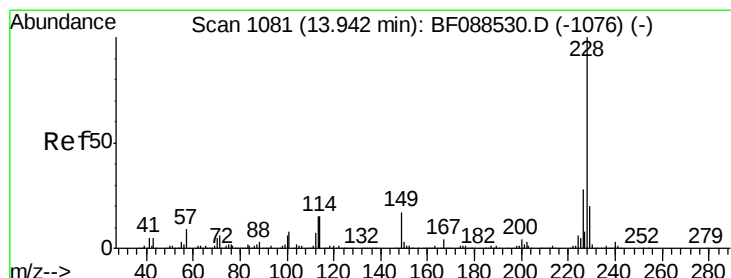
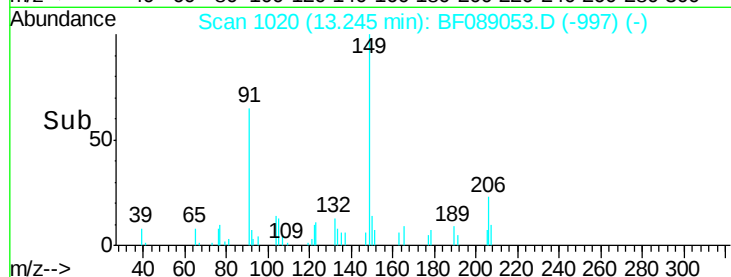
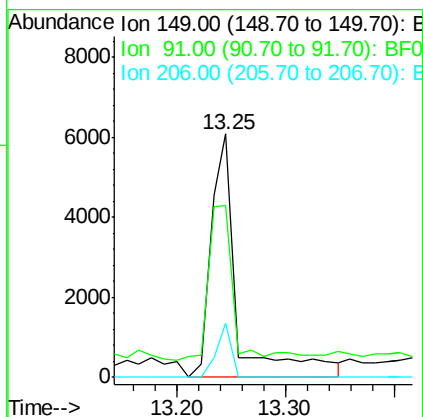
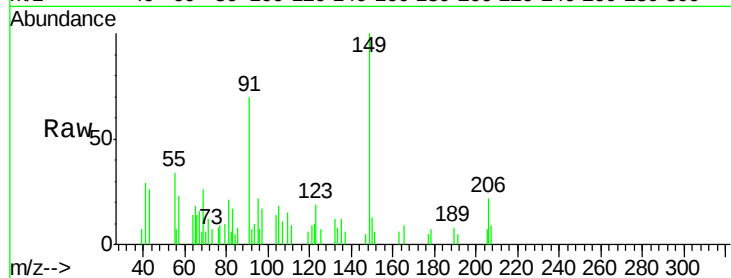




#79
Butylbenzylphthalate
Concen: 2.28 ng
RT: 13.25 min Scan# 1020
Delta R.T. -0.03 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

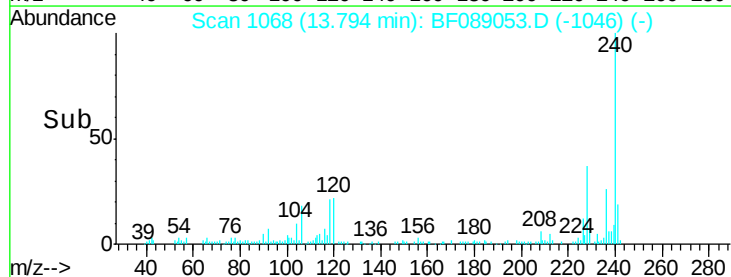
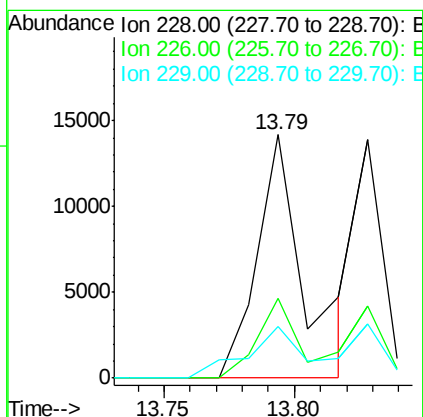
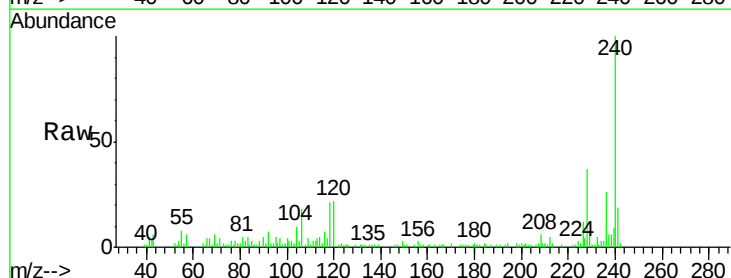
Instrument :
BNA_F
ClientSampleId :

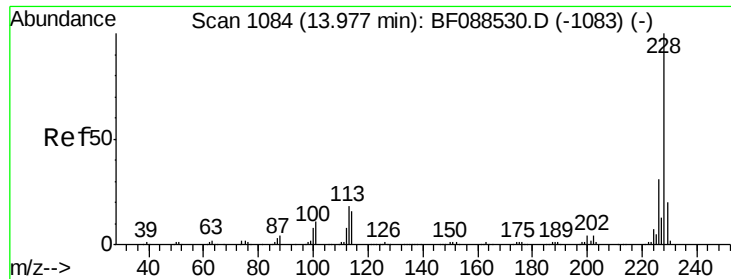
Tot Ion	Ratio	Lower	Upper
149	100		
91	70.4	48.0	72.0
206	22.1	16.0	24.0



#80
Benzo(a)anthracene
Concen: 2.33 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.05 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.3	33.5
229	21.3	16.0	24.0





#82

Chrysene

Concen: 2.36 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

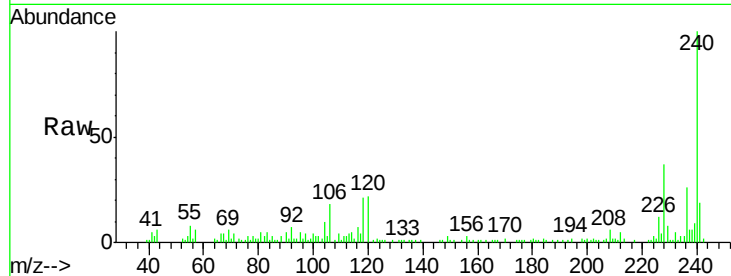
Tot Ion:228 Resp: 17824

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.2

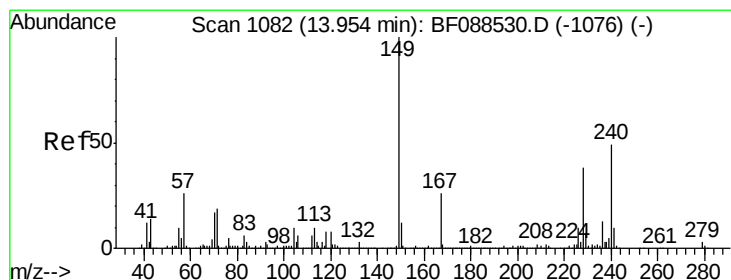
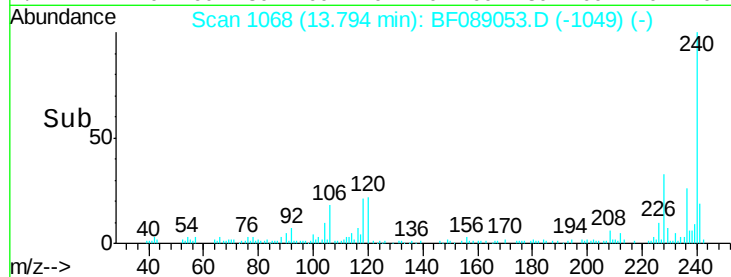
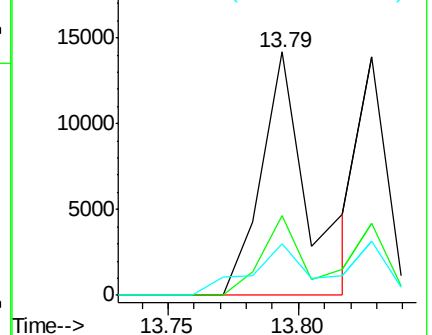
229 21.3 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.58 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

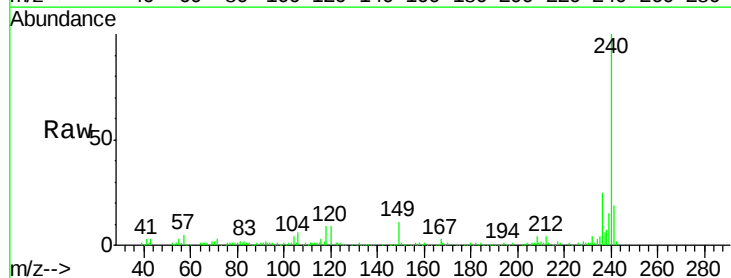
Tgt Ion:149 Resp: 13254

Ion Ratio Lower Upper

149 100

167 23.5 20.5 30.7

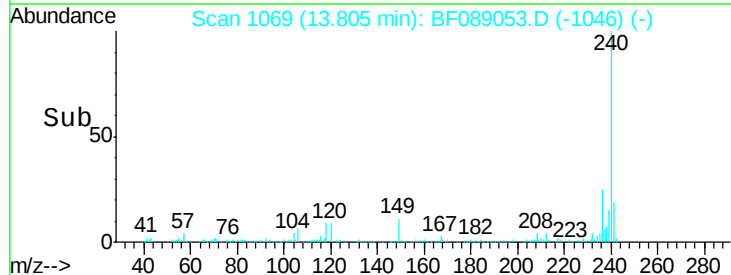
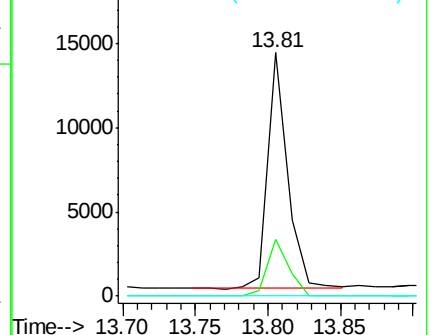
279 0.0 2.0 3.0#

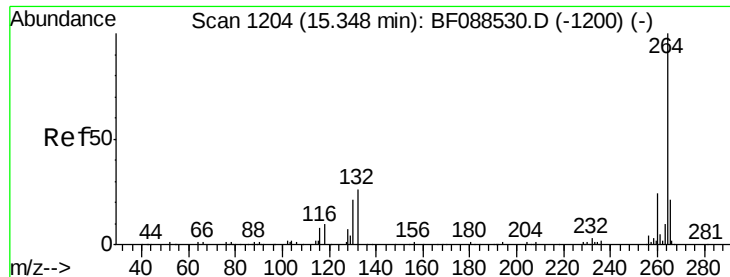


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

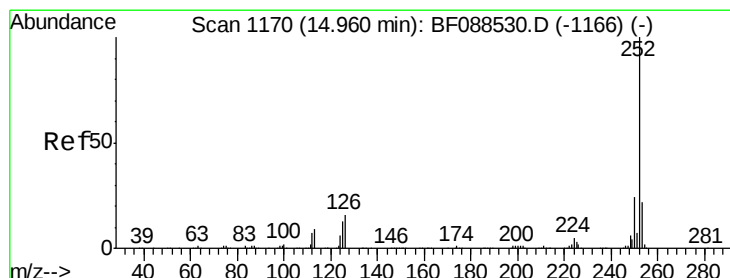
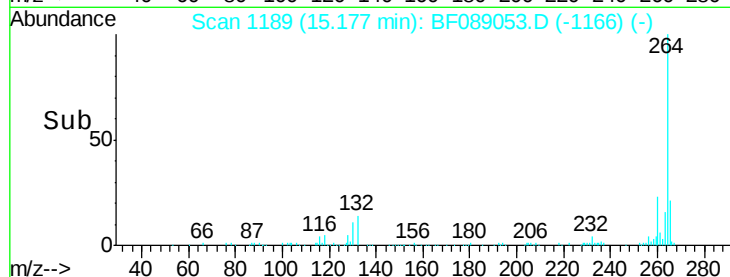
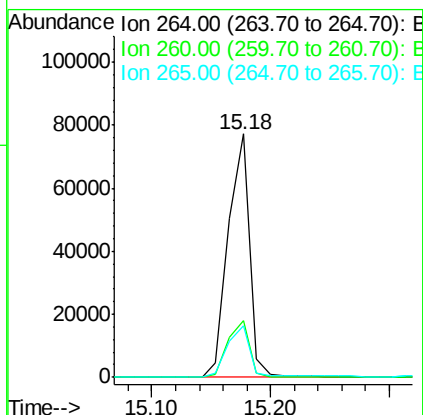
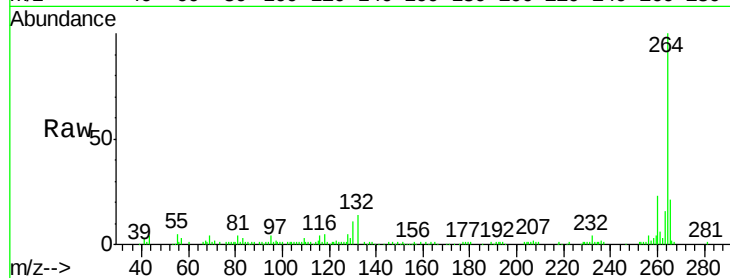




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

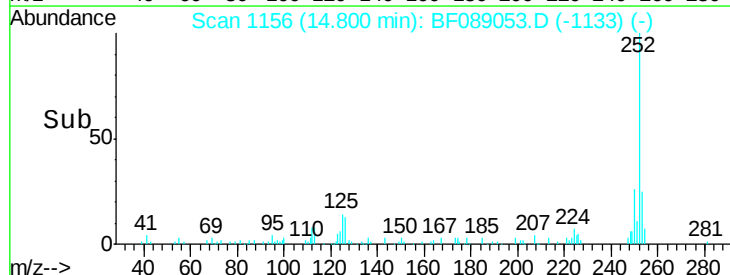
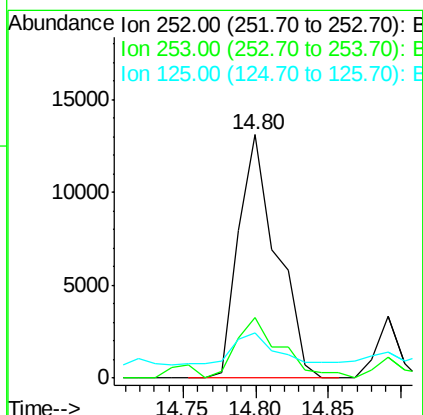
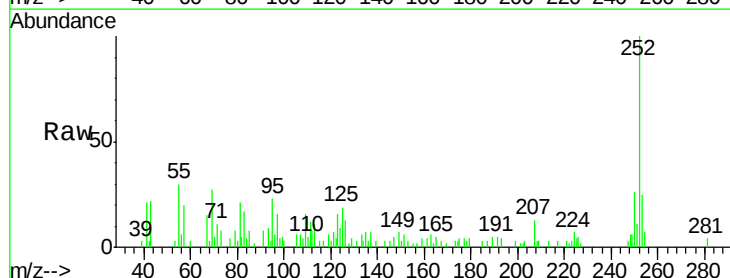
Instrument :
BNA_F
ClientSampled :

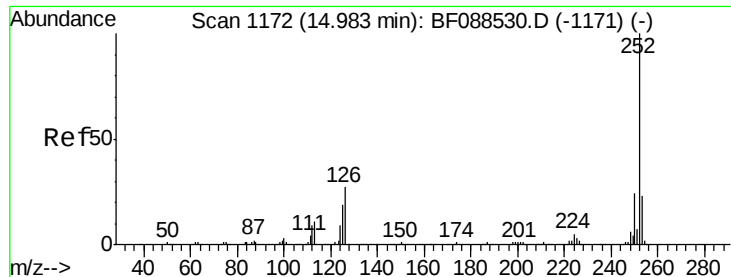
Tot Ion:264 Resp: 96354
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.1 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 3.95 ng
RT: 14.80 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF089053.D
Acq: 16 Jul 2016 14:08

Tgt Ion:252 Resp: 23852
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 18.7 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 4.53 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

Instrument :

BNA_F

ClientSampleId :

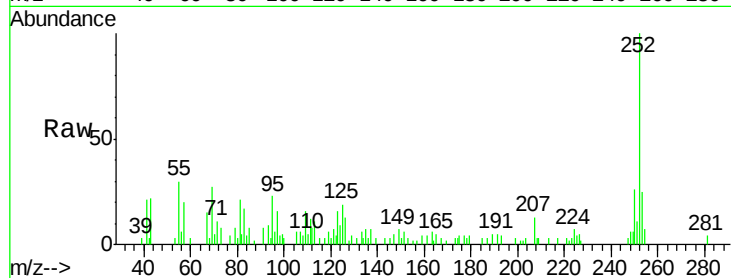
Tot Ion:252 Resp: 23852

Ion Ratio Lower Upper

252 100

253 25.0 18.0 27.0

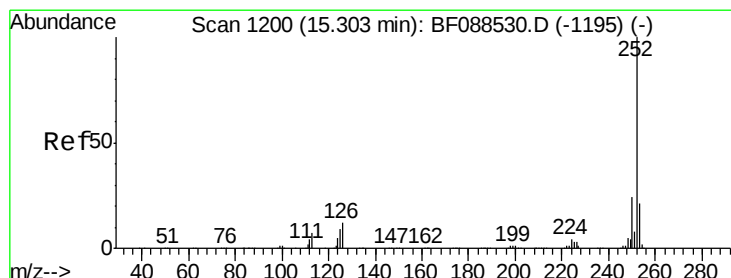
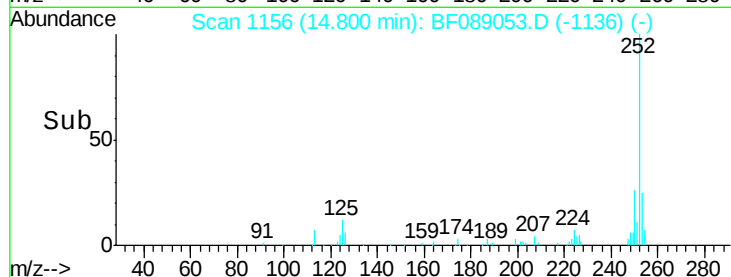
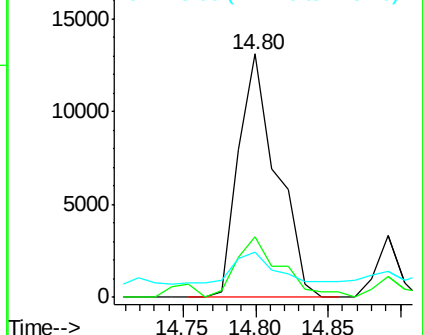
125 18.7 11.2 16.8#



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: 2.45 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.06 min

Lab File: BF089053.D

Acq: 16 Jul 2016 14:08

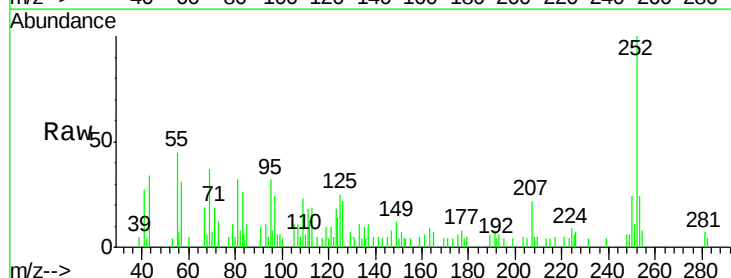
Tgt Ion:252 Resp: 12544

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

125 24.5 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

