

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086804.D
 Acq On : 8 May 2016 5:44
 Operator : UM/SJ
 Sample : H2720-06
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS2

Quant Time: May 09 00:55:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

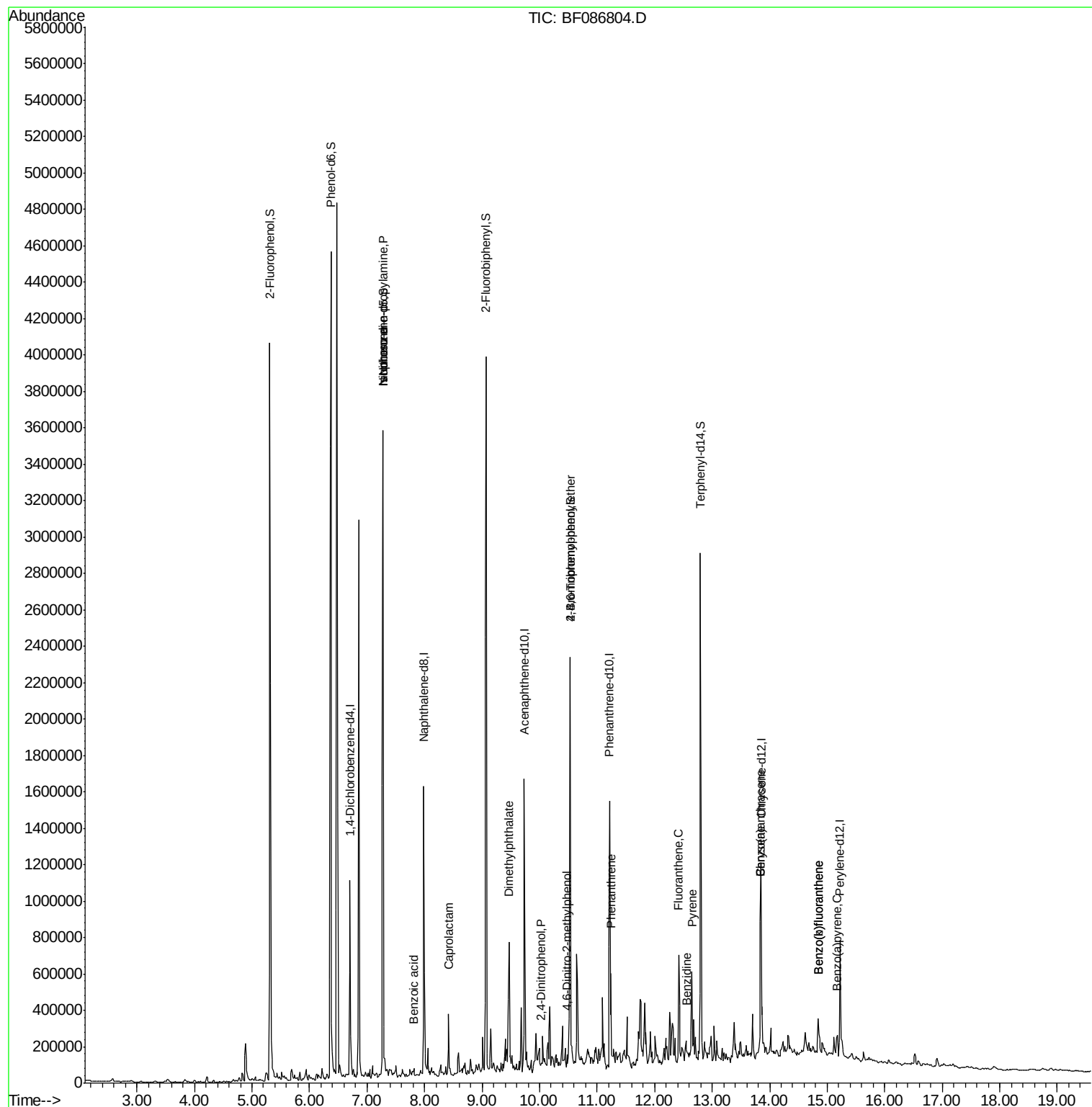
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	183786	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	727830	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	337384	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	594188	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	391701	40.00	ng	-0.03
86) Perylene-d12	15.22	264	331387	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1267268	114.15	ng	-0.01
7) Phenol-d6	6.37	99	1895835	126.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	1216334	85.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	423584	128.34	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1510570	73.39	ng	-0.03
78) Terphenyl-d14	12.80	244	994043	51.29	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	179530	17.57	ng	# 73
25) Isophorone	7.28	82	1168434	44.30	ng	# 68
32) Benzoic acid	7.81	122	1328	8.66	ng	# 1
35) Caprolactam	8.42	113	6868	2.25	ng	# 7
49) Dimethylphthalate	9.47	163	222095	8.83	ng	98
53) 2,4-Dinitrophenol	10.02	184	1359	9.84	ng	# 61
64) 4,6-Dinitro-2-methylphenol	10.48	198	330	5.34	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	24149	4.09	ng	# 1
70) Phenanthrene	11.24	178	212255	6.65	ng	99
74) Fluoranthene	12.42	202	242590	7.58	ng	98
76) Benzidine	12.56	184	1163	7.19	ng	# 1
77) Pyrene	12.65	202	202659	6.49	ng	99
80) Benzo(a)anthracene	13.84	228	101204	4.57	ng	# 96
82) Chrysene	13.84	228	101204	4.28	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	134712	6.77	ng	97
88) Benzo(k)fluoranthene	14.84	252	134712	7.18	ng	98
89) Benzo(a)pyrene	15.17	252	62815	3.42	ng	95

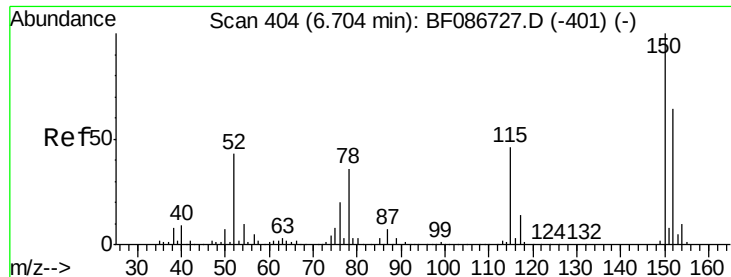
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampled :

SS2

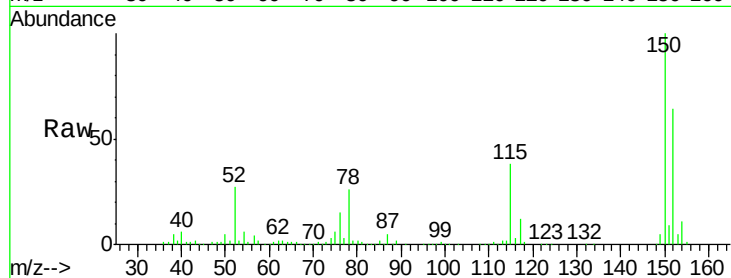
Tgt Ion:152 Resp: 183786

Ion Ratio Lower Upper

152 100

150 156.0 125.8 188.6

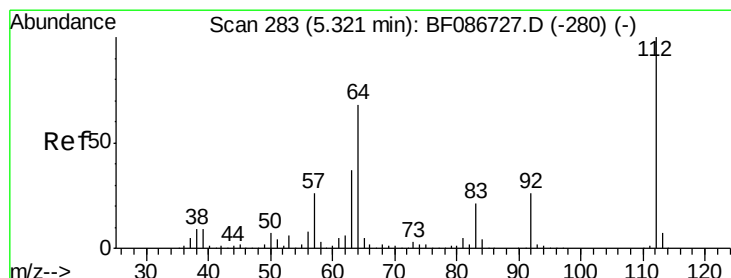
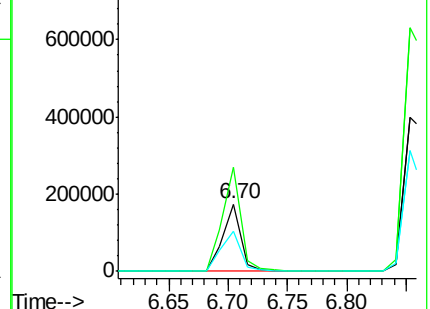
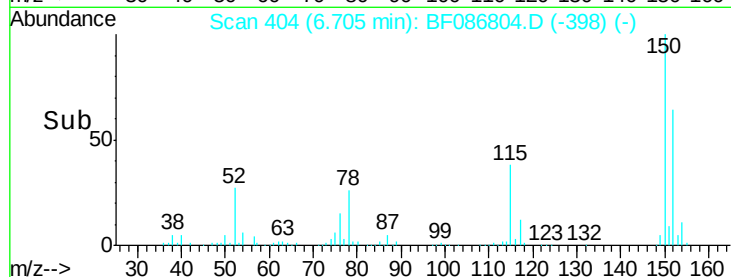
115 59.9 51.5 77.3



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: 114.15 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

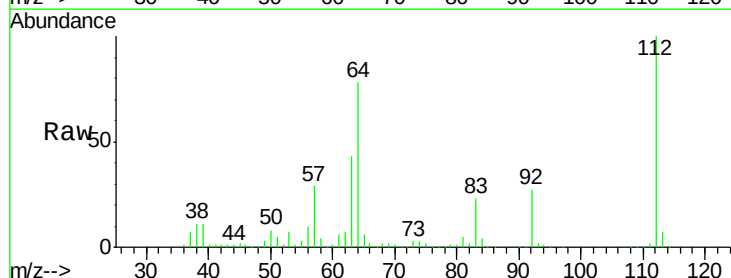
Tgt Ion:112 Resp: 1267268

Ion Ratio Lower Upper

112 100

64 78.1 52.1 78.1

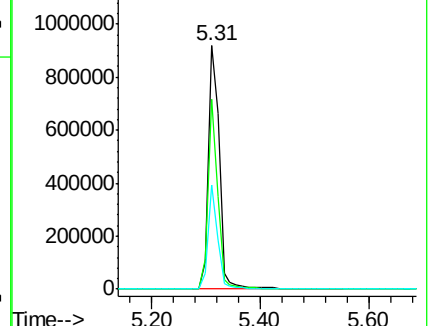
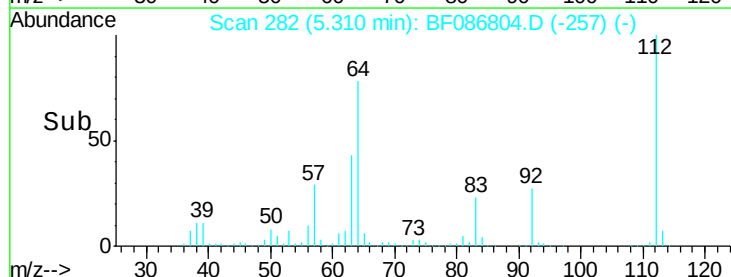
63 42.8 25.7 38.5

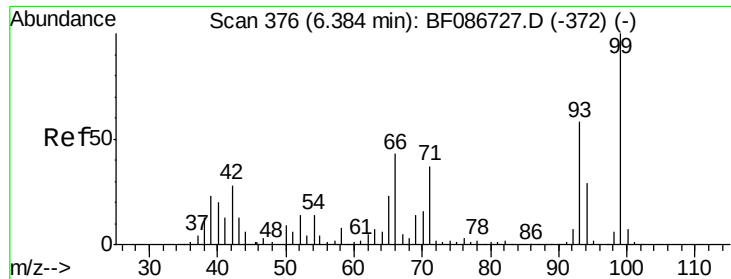


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.77 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

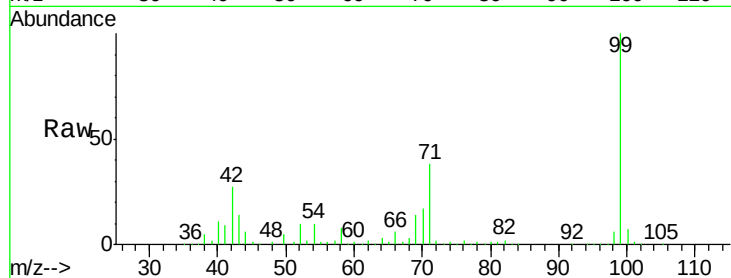
Tgt Ion: 99 Resp: 1895835

Ion Ratio Lower Upper

99 100

42 27.2 13.6 20.4#

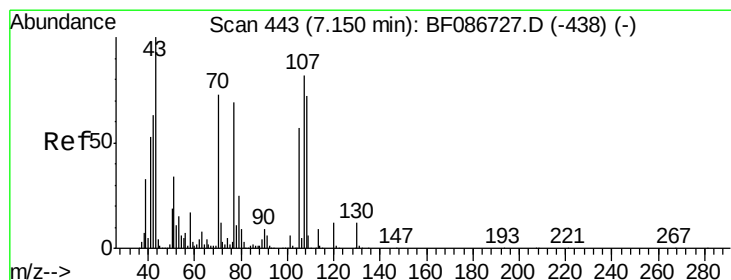
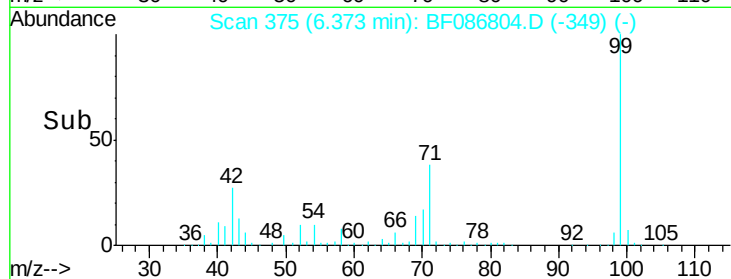
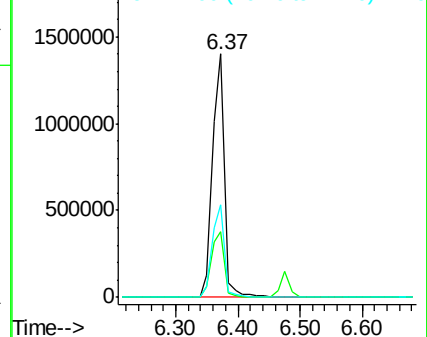
71 37.9 24.6 36.8#



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: 17.57 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Tgt Ion: 70 Resp: 179530

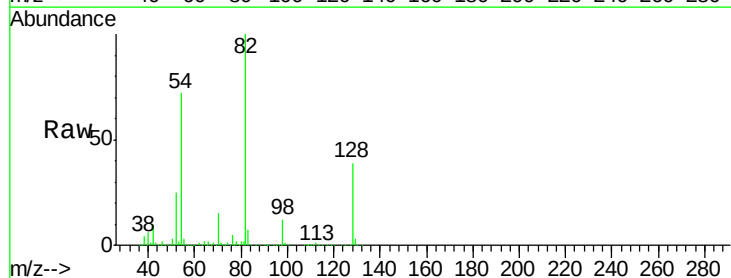
Ion Ratio Lower Upper

70 100

42 68.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

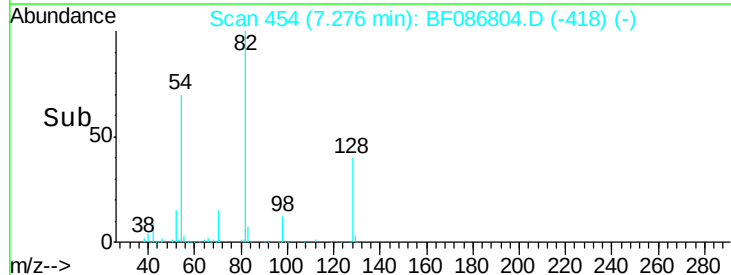
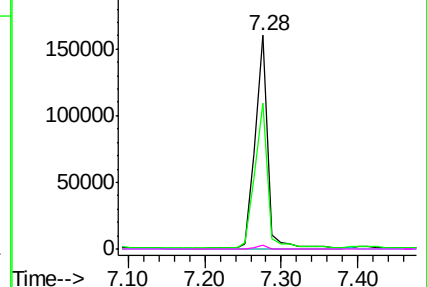


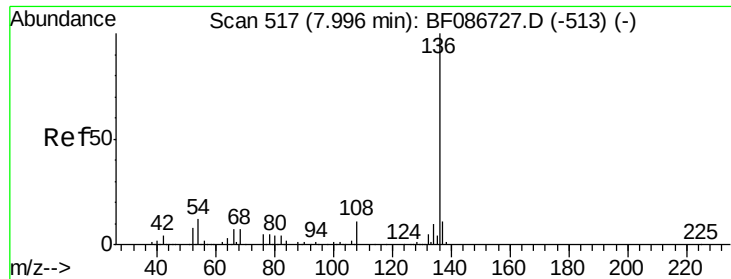
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

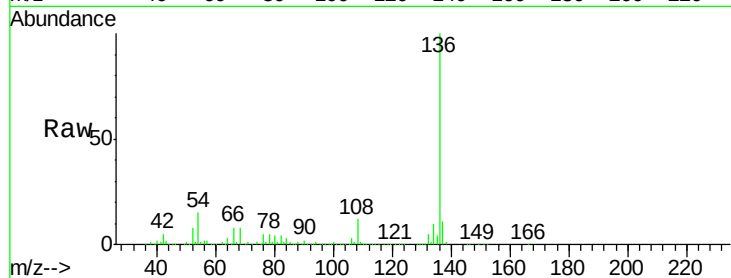




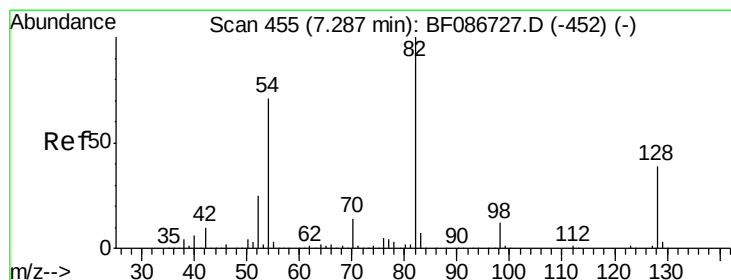
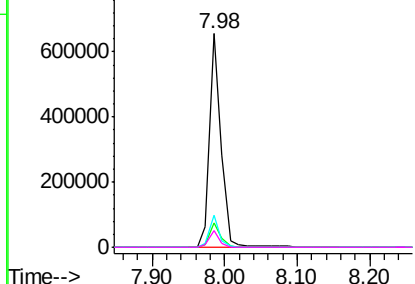
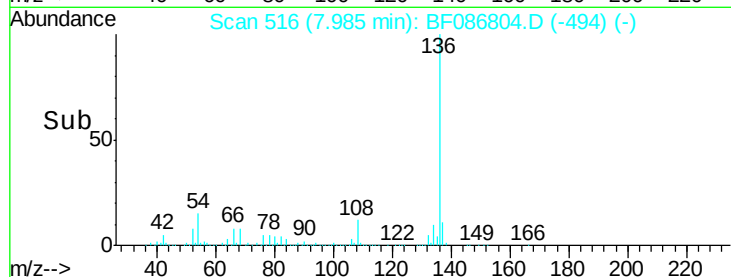
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampleId :
SS2

Tgt Ion:	136	Resp:	727830
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	14.7	5.0	7.4#
68	7.8	4.4	6.6#

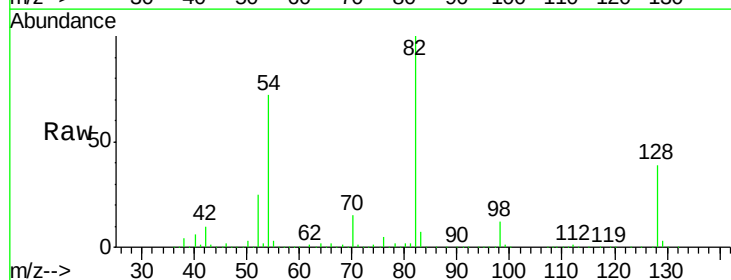


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

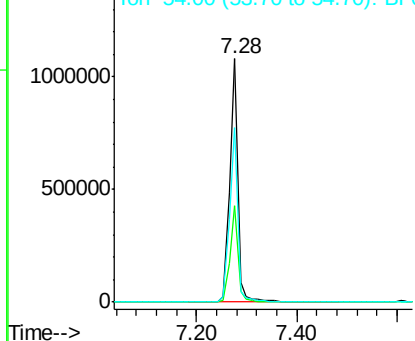
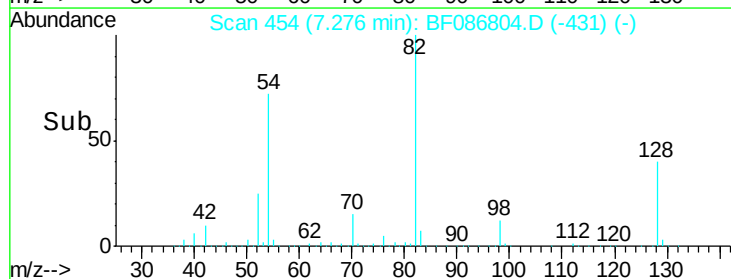


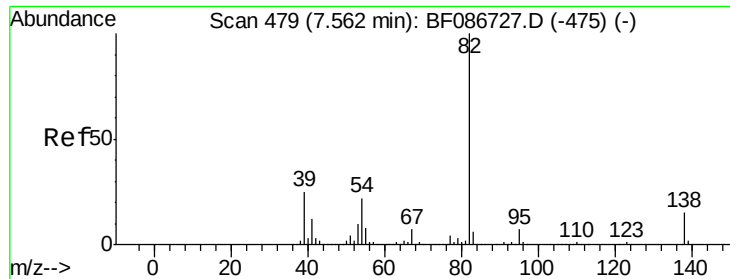
#23
Nitrobenzene-d5
Concen: 85.88 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.03 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion:	82	Resp:	1216334
Ion	Ratio	Lower	Upper
82	100		
128	39.5	40.6	61.0#
54	71.8	38.1	57.1#



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: 44.30 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

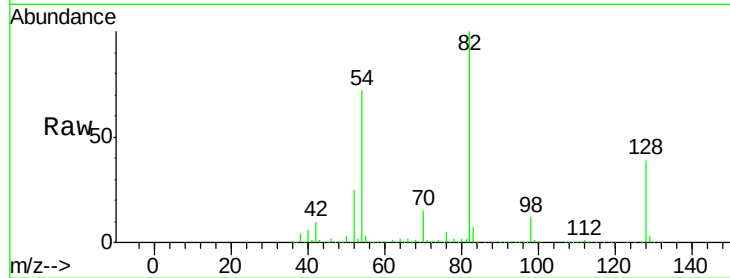
Tgt Ion: 82 Resp: 1168434

Ion Ratio Lower Upper

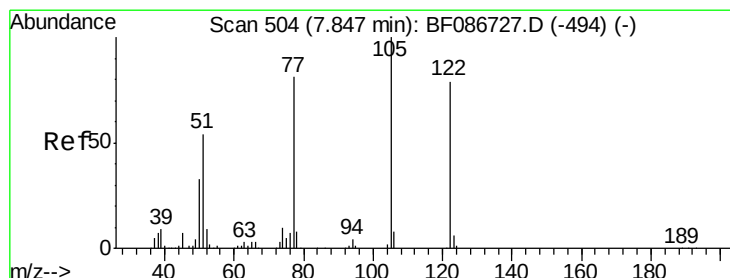
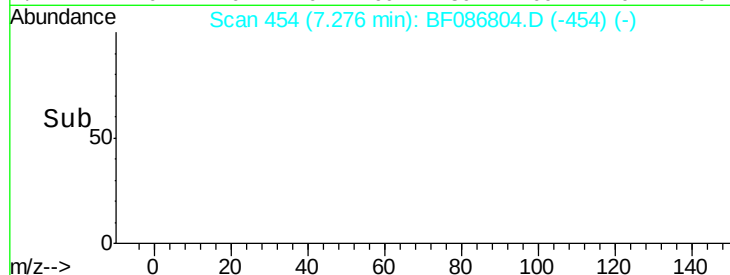
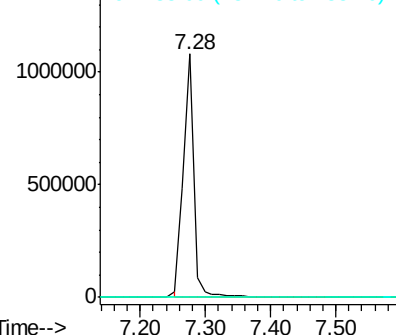
82 100

95 0.1 5.1 7.7#

138 0.0 12.4 18.6#



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): BF0



#32

Benzoic acid

Concen: 8.66 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.01 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

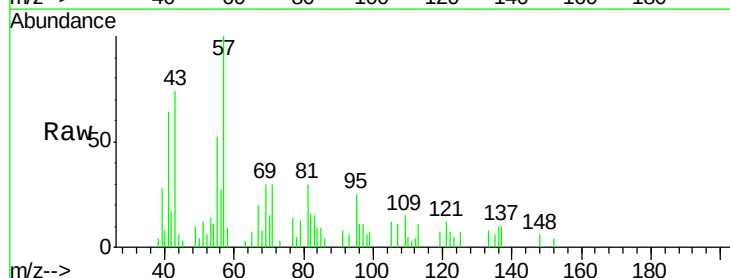
Tgt Ion: 122 Resp: 1328

Ion Ratio Lower Upper

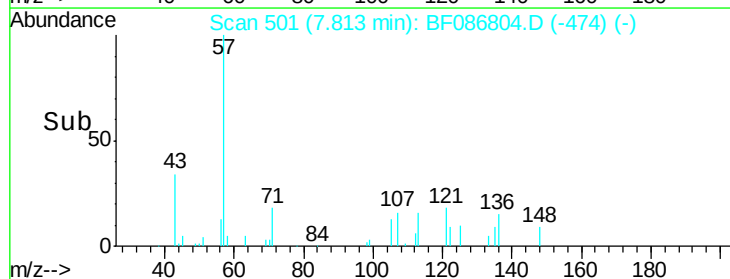
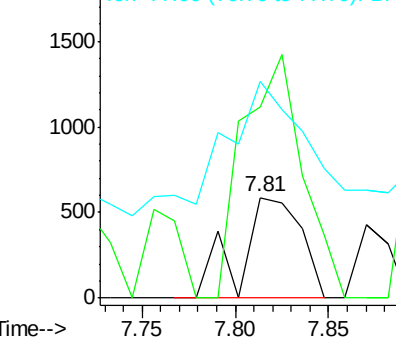
122 100

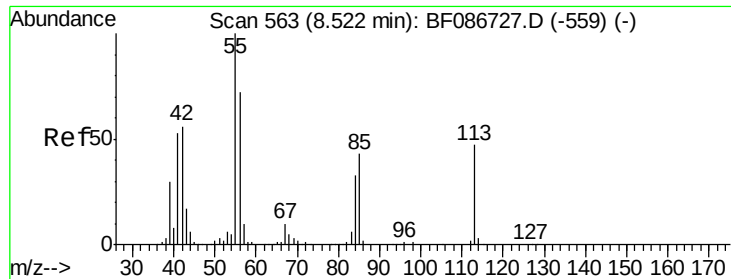
105 190.5 92.6 132.6#

77 216.0 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

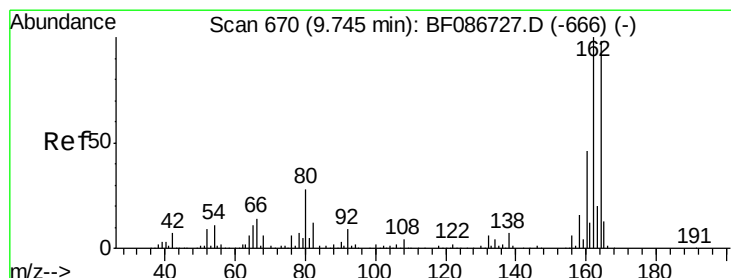
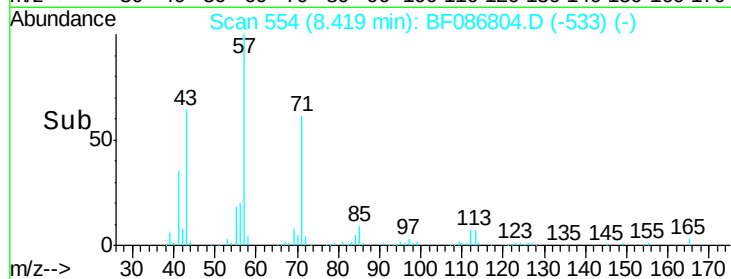
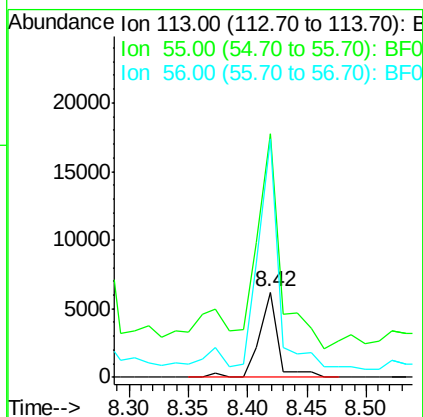
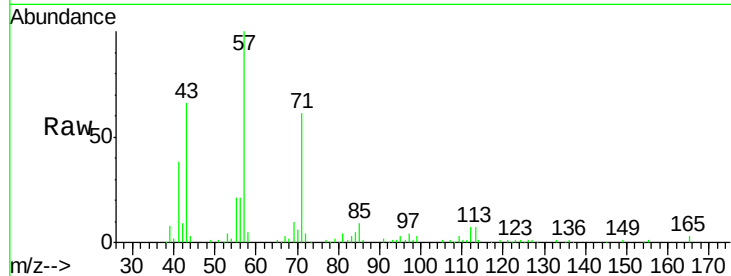




#35
 Caprolactam
 Concen: 2.25 ng
 RT: 8.42 min Scan# 554
 Delta R.T. -0.06 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

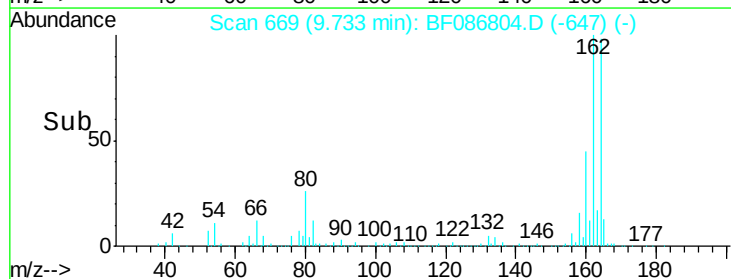
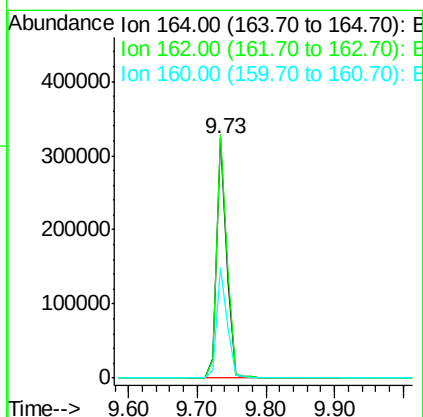
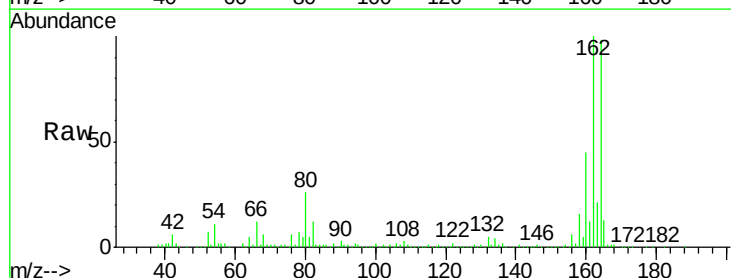
Instrument :
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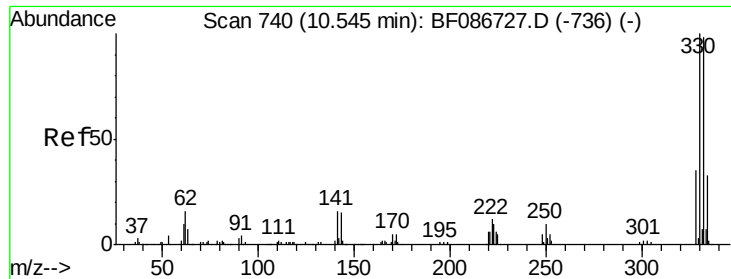
Tgt Ion:113 Resp: 6868
 Ion Ratio Lower Upper
 113 100
 55 284.6 162.0 202.0#
 56 279.1 115.3 155.3#



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Tgt Ion:164 Resp: 337384
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.8 124.2
 160 46.1 36.9 55.3

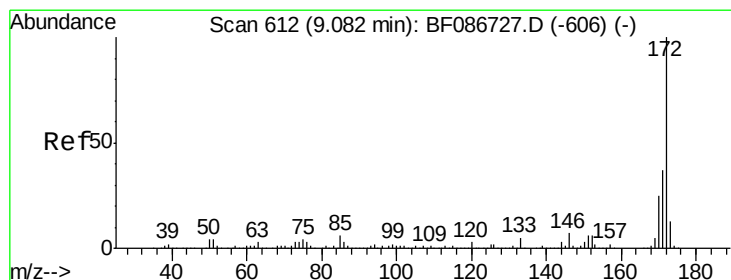
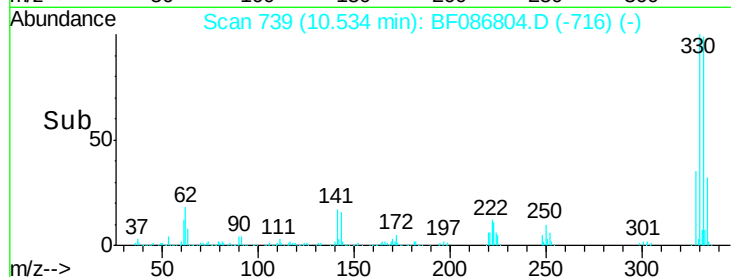
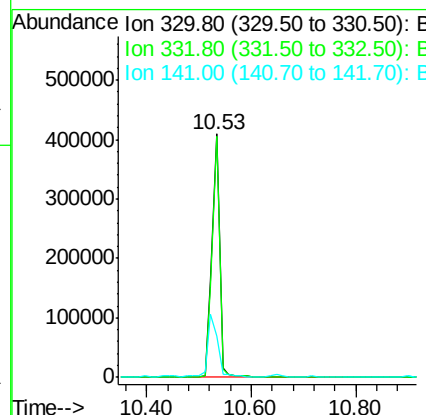
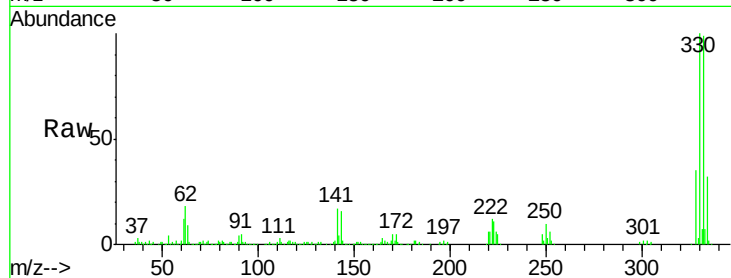




#41
 2,4,6-Tribromophenol
 Concen: 128.34 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

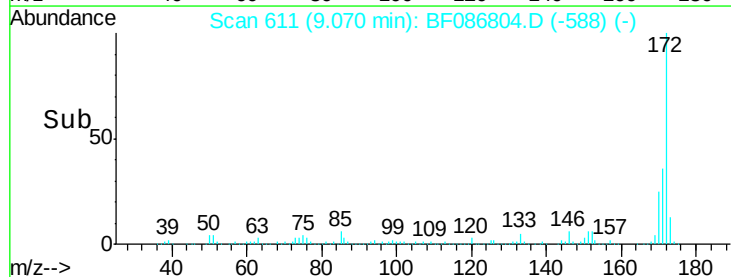
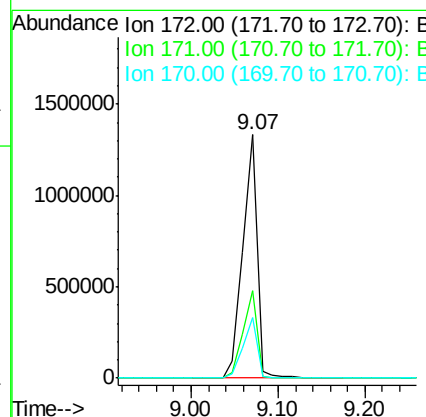
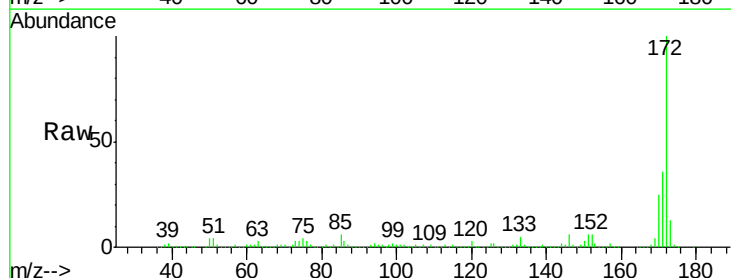
Instrument :
 BNA_F
 ClientSampled :
 SS2

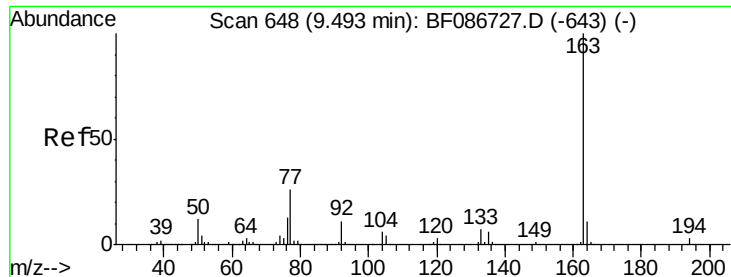
Tgt Ion:330 Resp: 423584
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 32.2 31.2 46.8



#44
 2-Fluorobiphenyl
 Concen: 73.39 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Tgt Ion:172 Resp: 1510570
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.7 19.8 29.8





#49

Dimethylphthalate

Concen: 8.83 ng

RT: 9.47 min Scan# 646

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

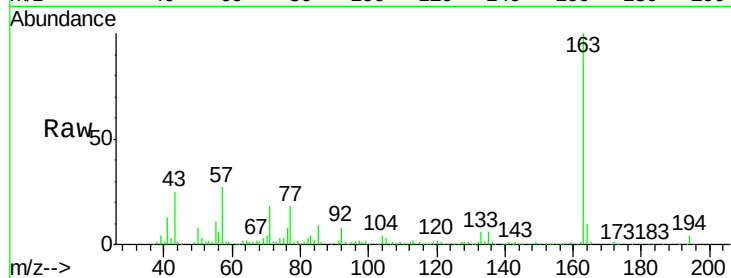
Tgt Ion:163 Resp: 222095

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

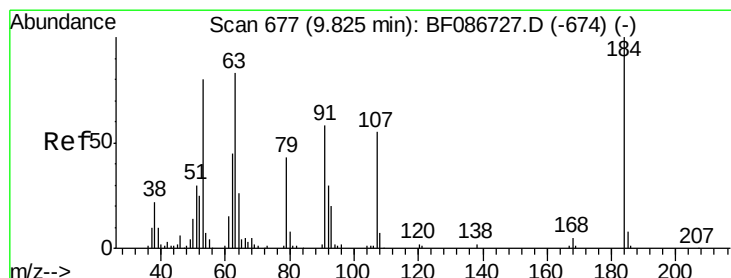
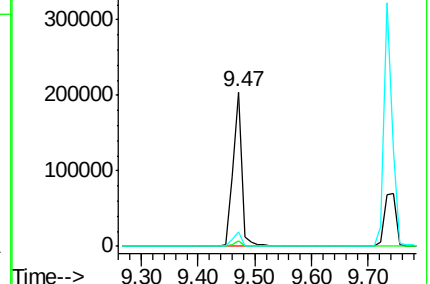
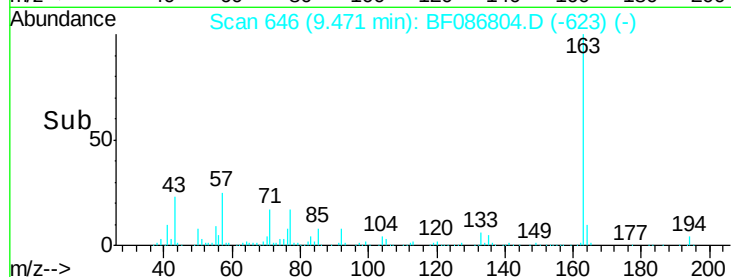
164 9.6 8.2 12.4



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



#53

2,4-Dinitrophenol

Concen: 9.84 ng

RT: 10.02 min Scan# 694

Delta R.T. 0.17 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

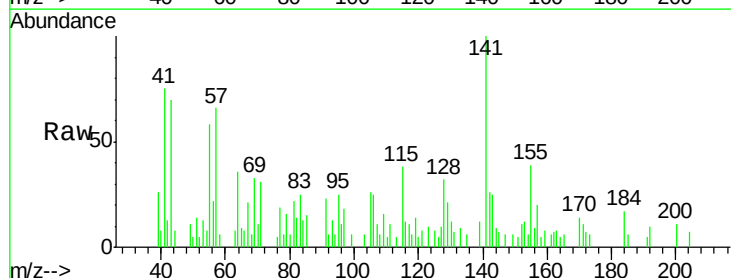
Tgt Ion:184 Resp: 1359

Ion Ratio Lower Upper

184 100

63 46.4 55.8 83.8#

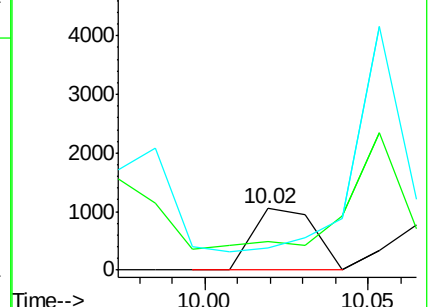
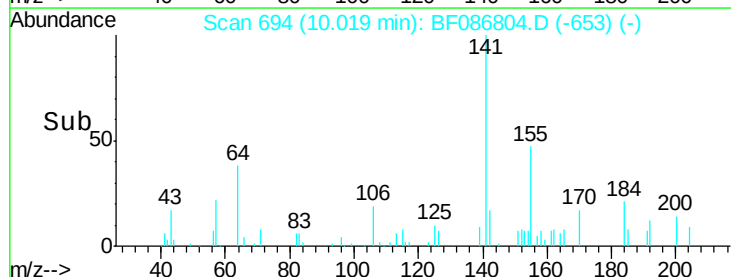
154 35.6 62.4 93.6#

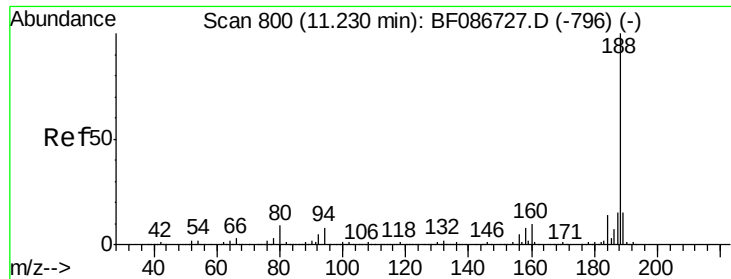


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

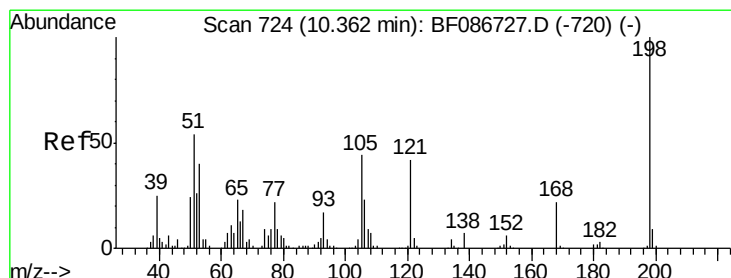
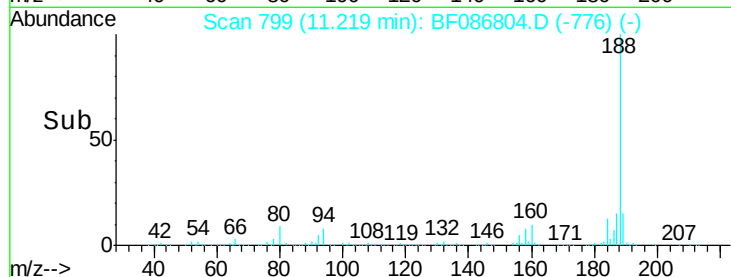
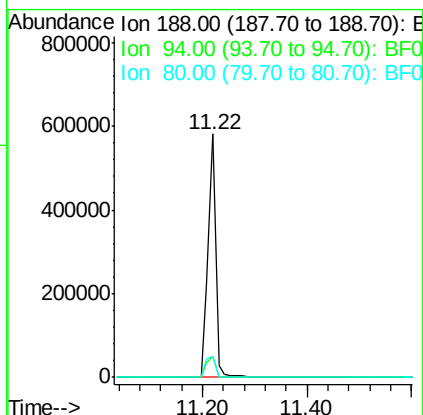
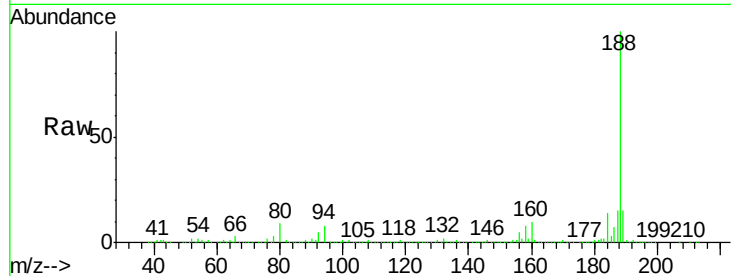




#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

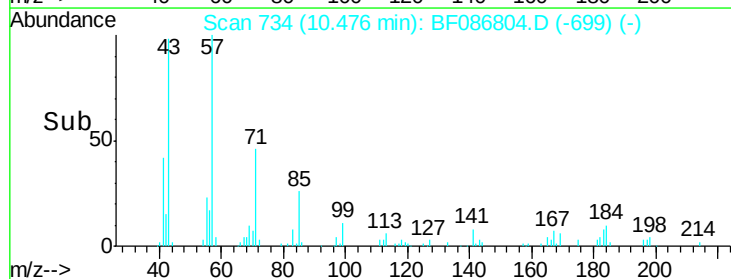
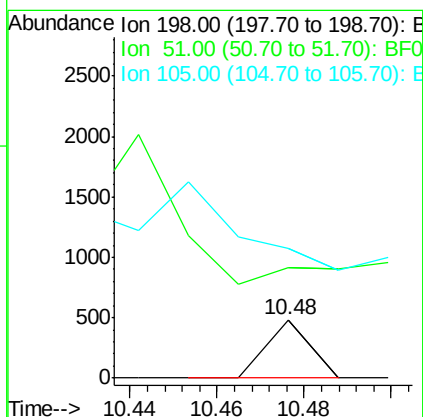
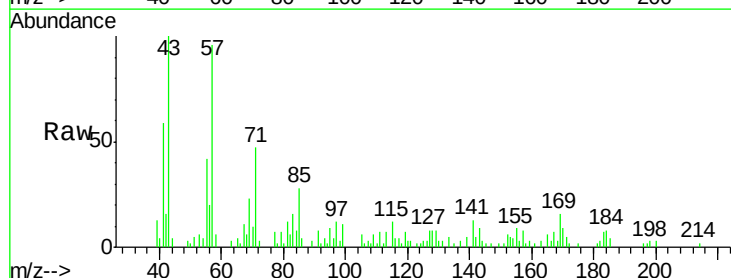
Instrument :
 BNA_F
 ClientSampleId :
 SS2

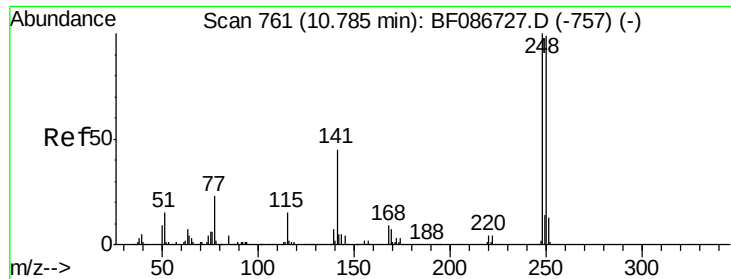
Tgt Ion:188 Resp: 594188
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.8 10.2
 80 8.8 7.1 10.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.34 ng
 RT: 10.48 min Scan# 734
 Delta R.T. 0.10 min
 Lab File: BF086804.D
 Acq: 8 May 2016 5:44

Tgt Ion:198 Resp: 330
 Ion Ratio Lower Upper
 198 100
 51 190.0 20.5 60.5#
 105 223.5 24.5 64.5#

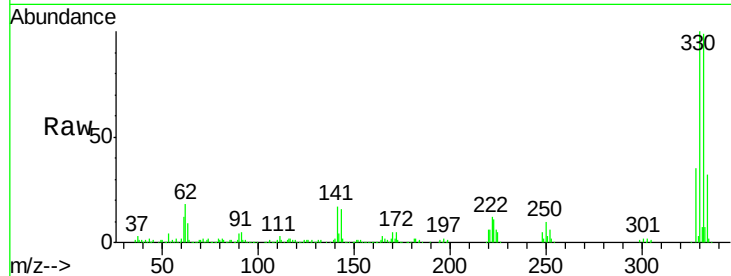




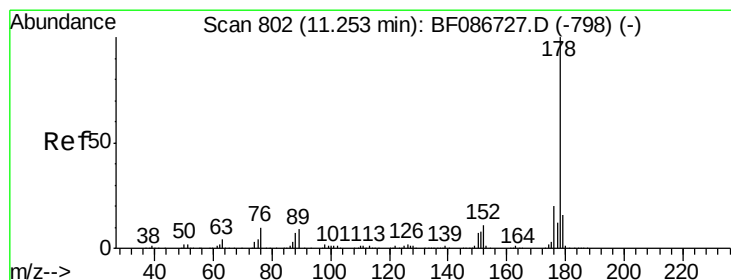
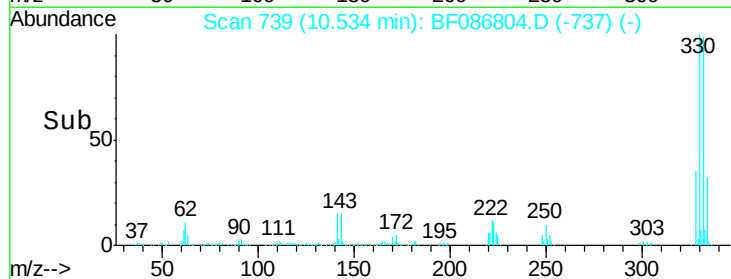
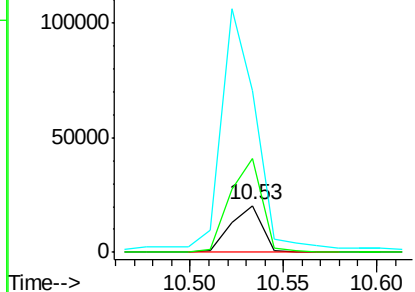
#66
4-Bromophenyl-phenylether
Concen: 4.09 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.27 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Instrument :
BNA_F
ClientSampleId :
SS2

Tgt Ion: 248 Resp: 24149
Ion Ratio Lower Upper
248 100
250 201.1 78.6 117.8#
141 346.5 76.0 114.0#

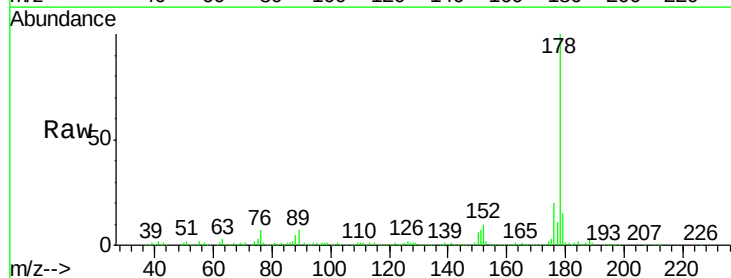


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

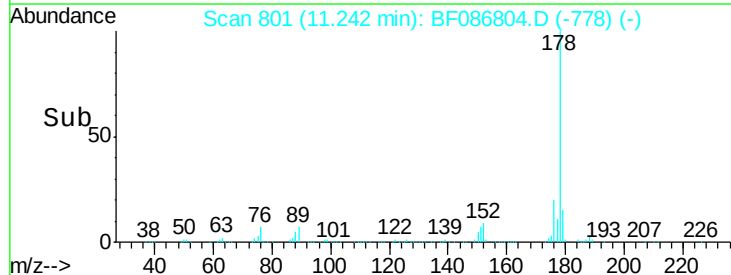
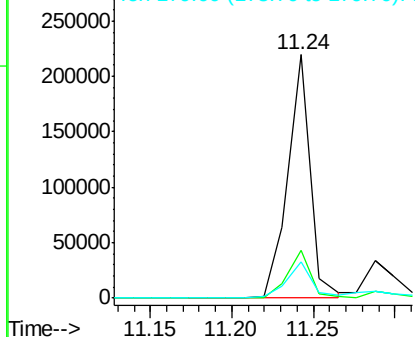


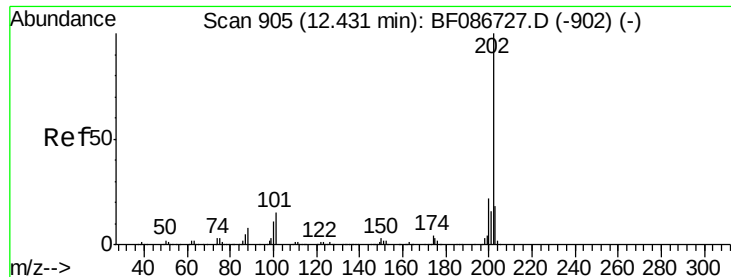
#70
Phenanthrene
Concen: 6.65 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion: 178 Resp: 212255
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.2 12.6 18.8



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





#74

Fluoranthene

Concen: 7.58 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

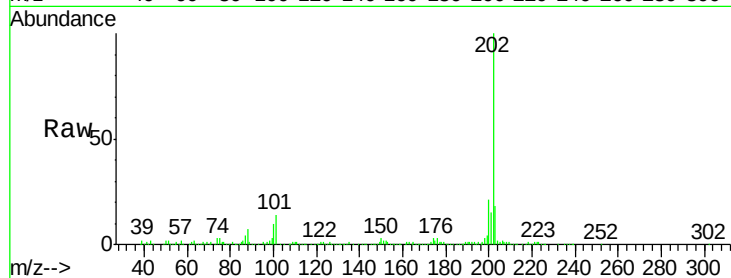
Tgt Ion:202 Resp: 242590

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.4

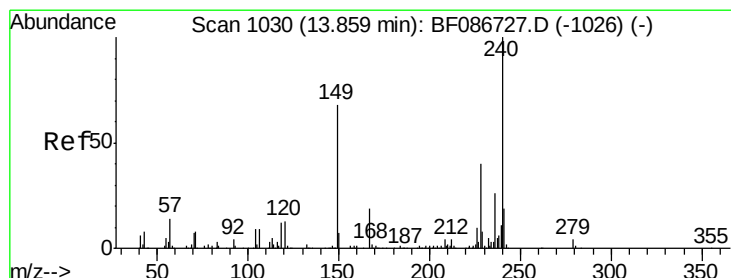
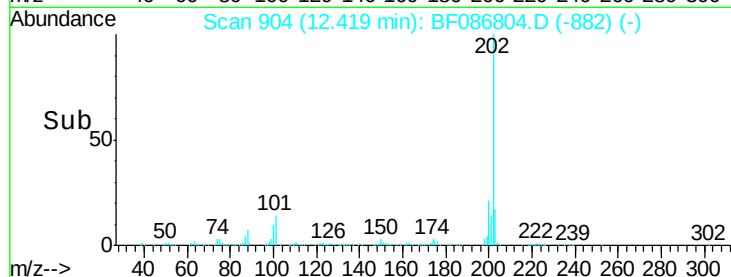
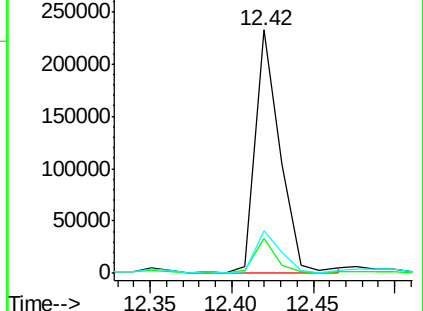
203 17.7 0.0 38.1



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: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

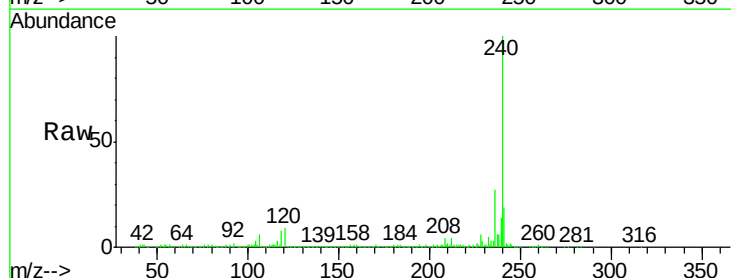
Tgt Ion:240 Resp: 391701

Ion Ratio Lower Upper

240 100

120 8.6 11.2 16.8#

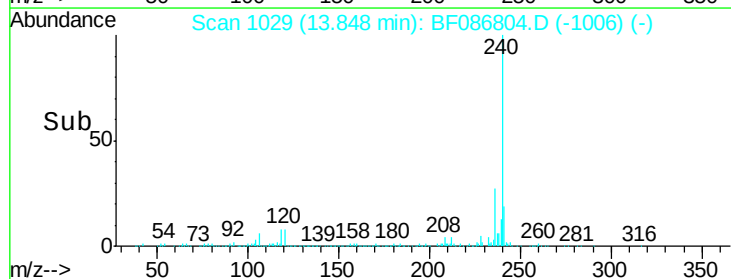
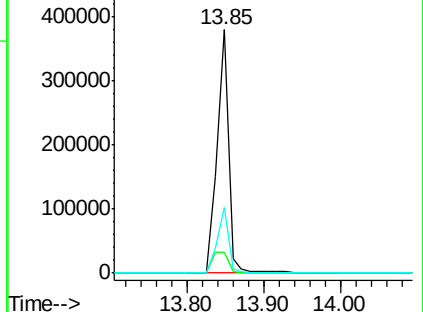
236 27.1 21.2 31.8

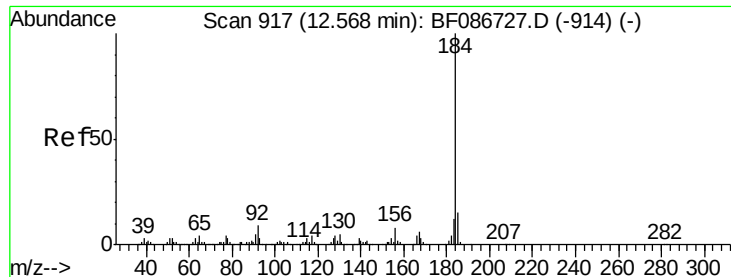


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.19 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

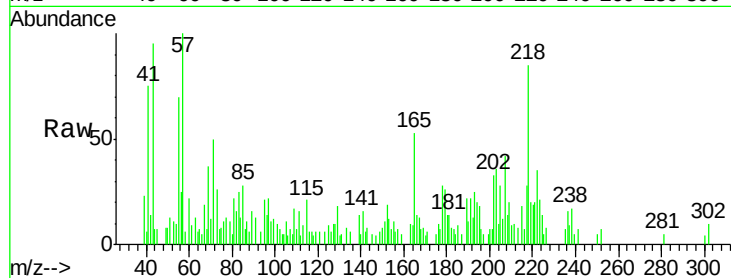
Tgt Ion:184 Resp: 1163

Ion Ratio Lower Upper

184 100

185 181.1 13.6 20.4#

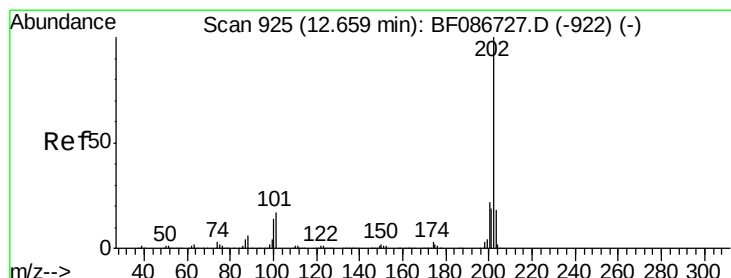
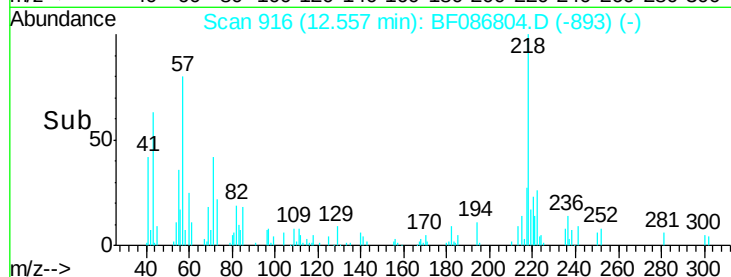
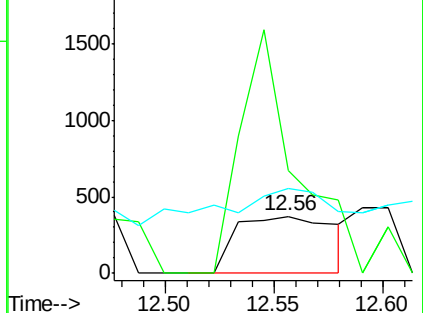
183 149.9 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 6.49 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

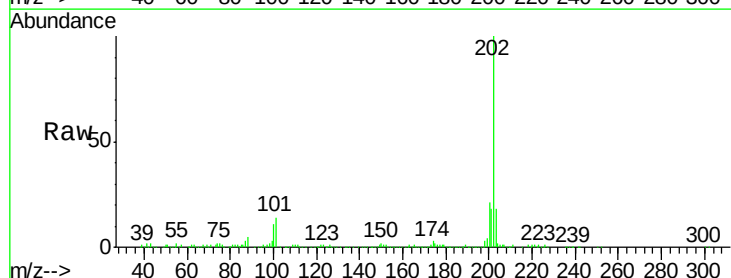
Tgt Ion:202 Resp: 202659

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

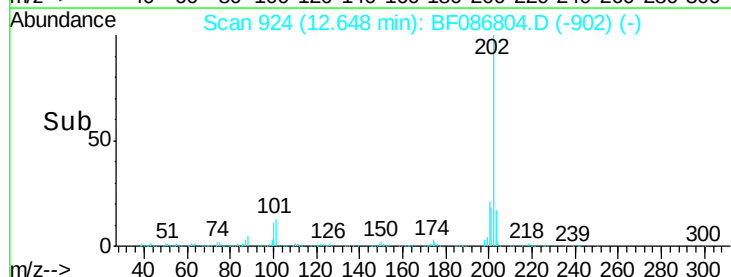
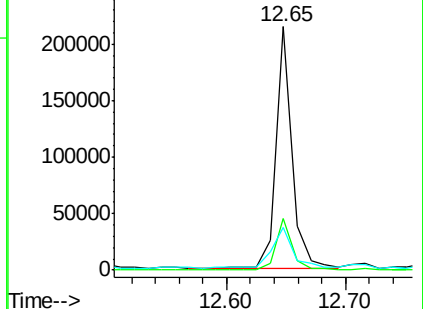
203 17.7 14.2 21.4

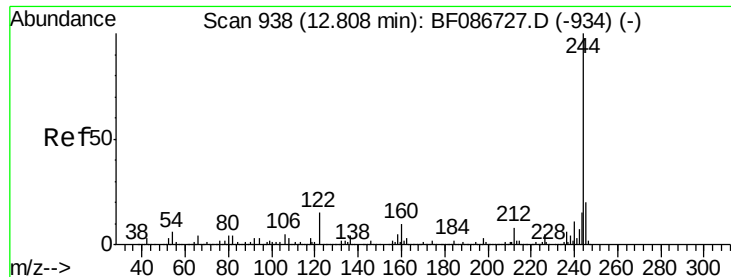


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.29 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

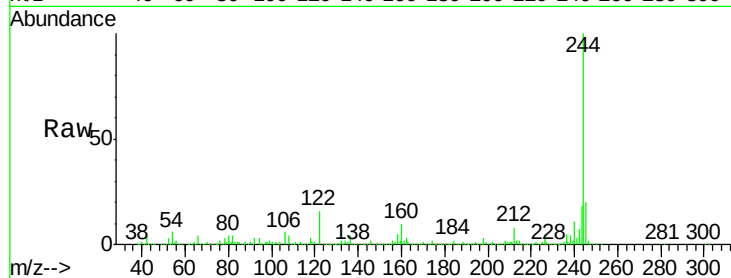
Tgt Ion:244 Resp: 994043

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

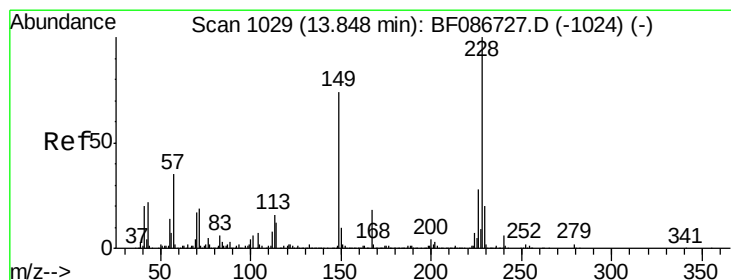
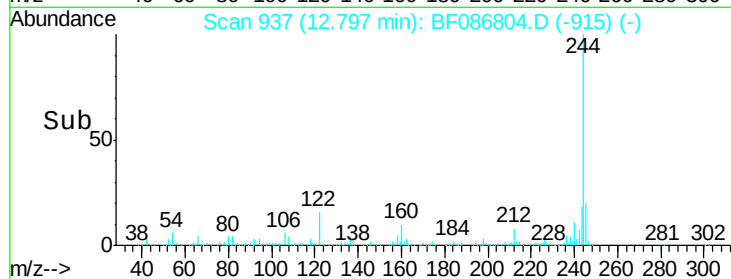
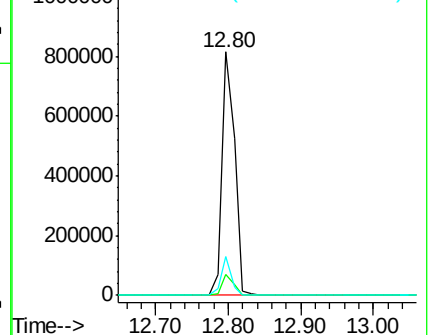
122 16.0 12.0 18.0



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: 4.57 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.03 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

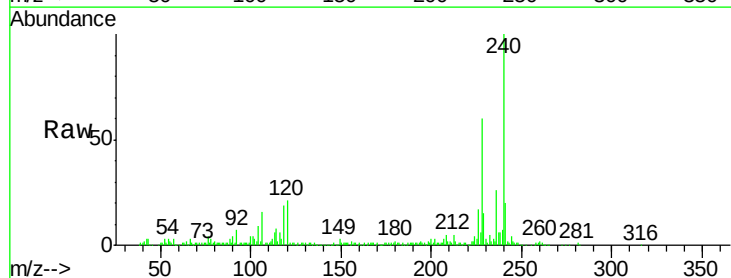
Tgt Ion:228 Resp: 101204

Ion Ratio Lower Upper

228 100

226 28.3 22.5 33.7

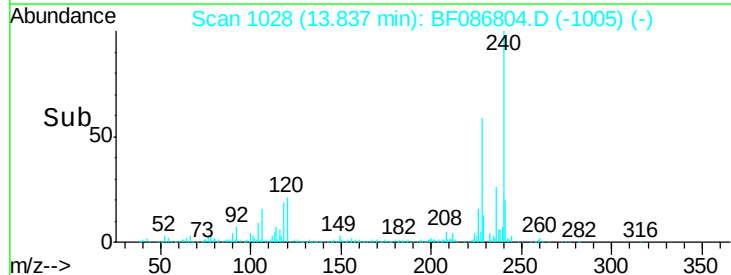
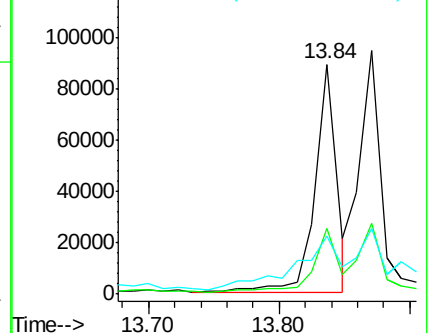
229 25.0 16.6 25.0#

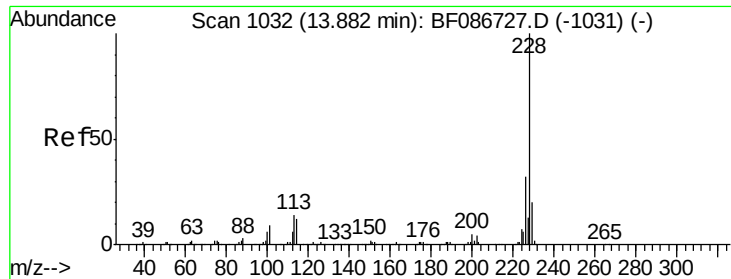


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

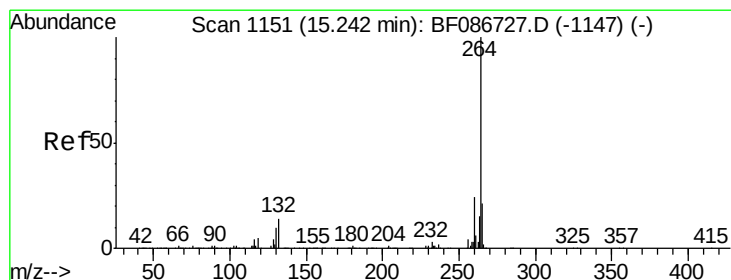
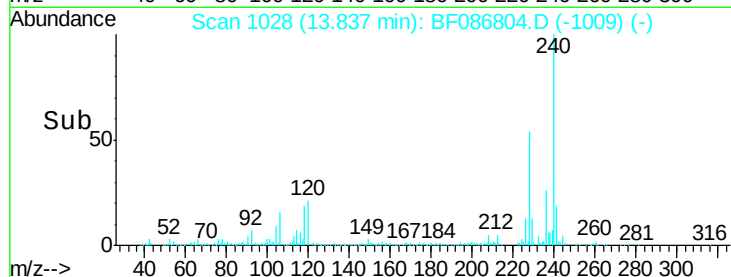
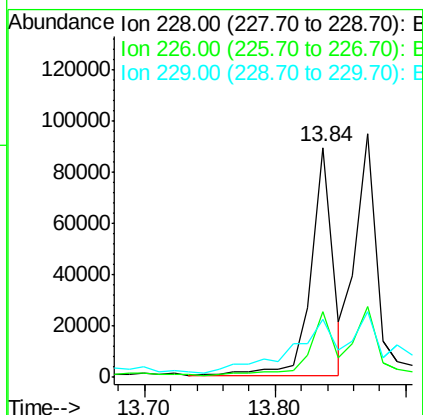
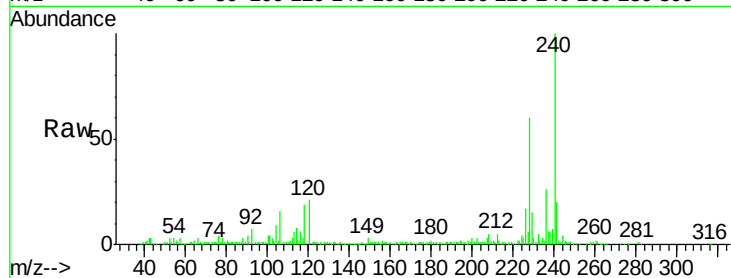




#82
Chrysene
Concen: 4.28 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.08 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

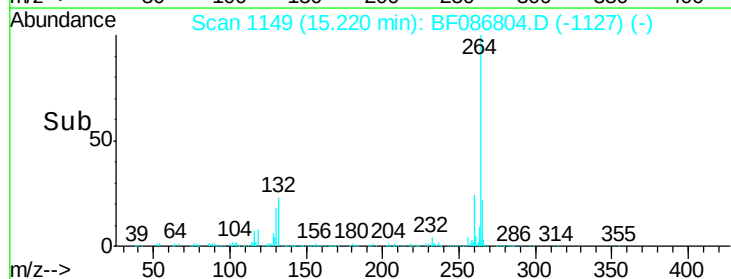
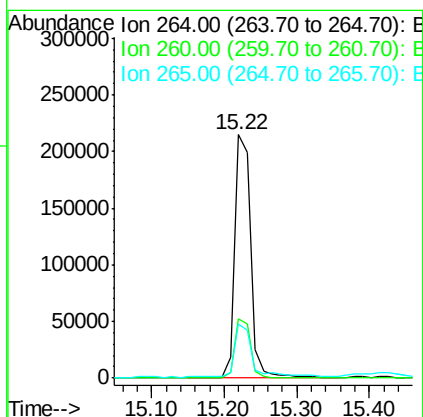
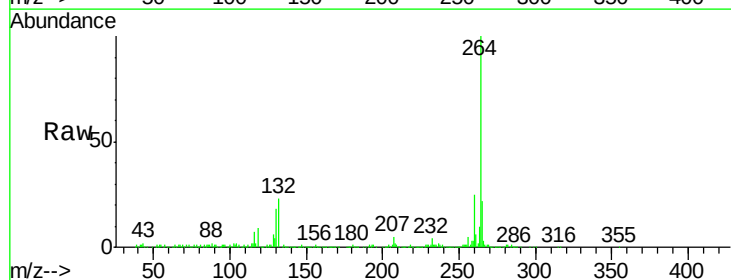
Instrument :
BNA_F
ClientSampleId :
SS2

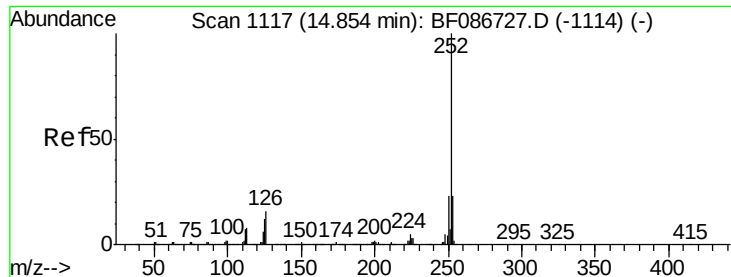
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.4	36.6
229	25.0	15.8	23.8#



#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.4	17.3	25.9

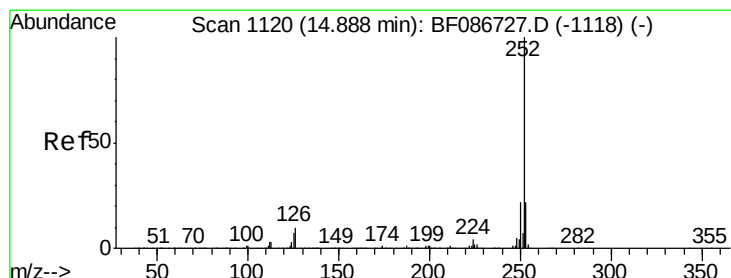
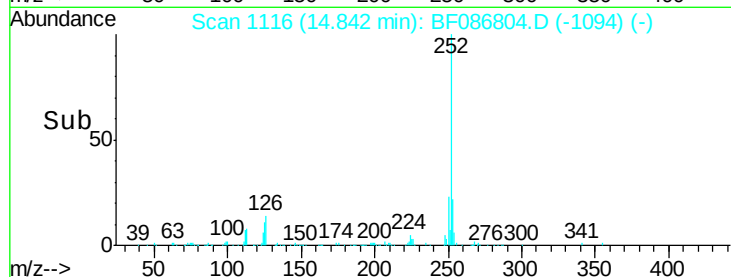
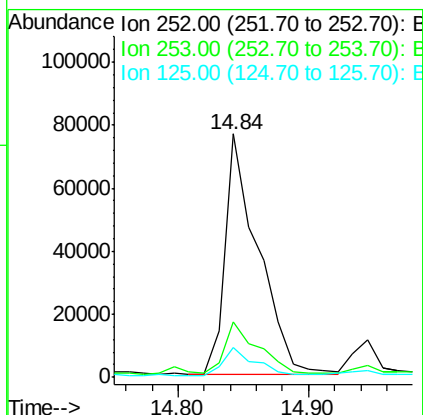
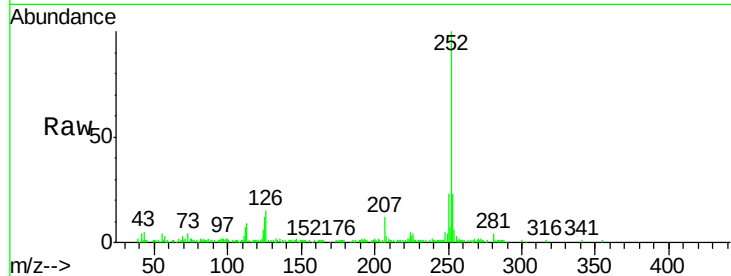




#87
Benzo(b)fluoranthene
Concen: 6.77 ng
RT: 14.84 min Scan# 1116
Delta R.T. -0.05 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

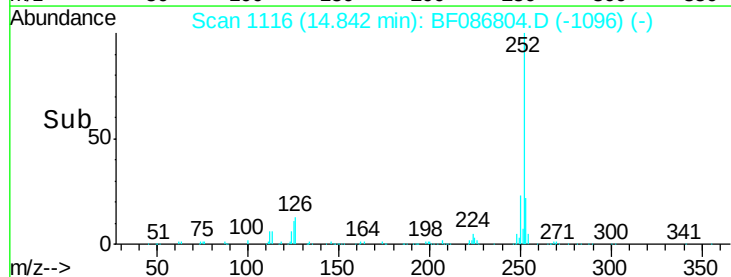
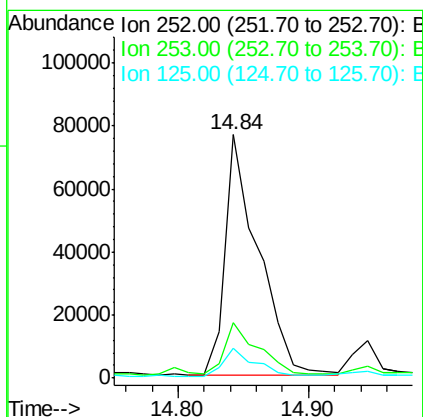
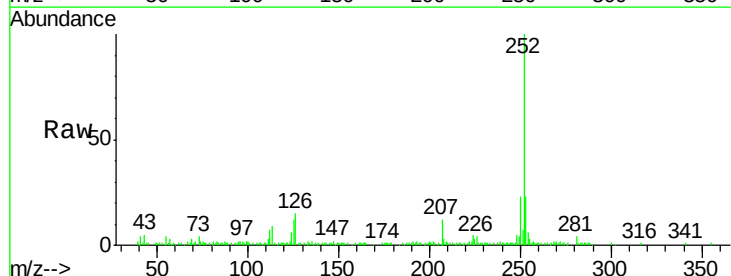
Instrument :
BNA_F
ClientSampleId :
SS2

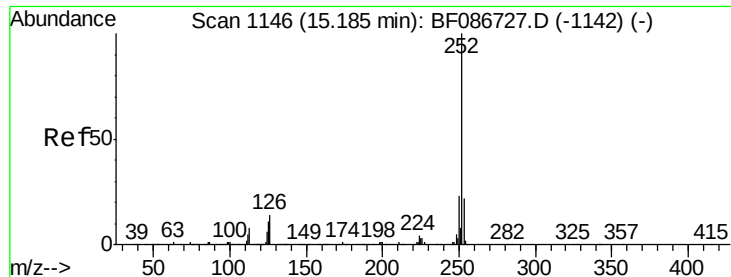
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.2	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 7.18 ng
RT: 14.84 min Scan# 1116
Delta R.T. -0.07 min
Lab File: BF086804.D
Acq: 8 May 2016 5:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.2	9.1	13.7





#89

Benzo(a)pyrene

Concen: 3.42 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086804.D

Acq: 8 May 2016 5:44

Instrument :

BNA_F

ClientSampleId :

SS2

Tgt Ion:252 Resp: 62815

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

125 9.9 9.0 13.6

