

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086395.D
 Acq On : 23 Apr 2016 17:29
 Operator : UM/SJ
 Sample : H2640-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Quant Time: Apr 25 00:54:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	194622	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	763458	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	320837	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	520096	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	376644	20.00	ng	0.00
86) Perylene-d12	15.41	264	276185	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	878185	77.92	ng	0.01
7) Phenol-d6	6.48	99	1430457	93.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	949767	73.69	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	106234	36.58	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1622541	86.30	ng	0.00
78) Terphenyl-d14	12.95	244	1101922	72.69	ng	0.00

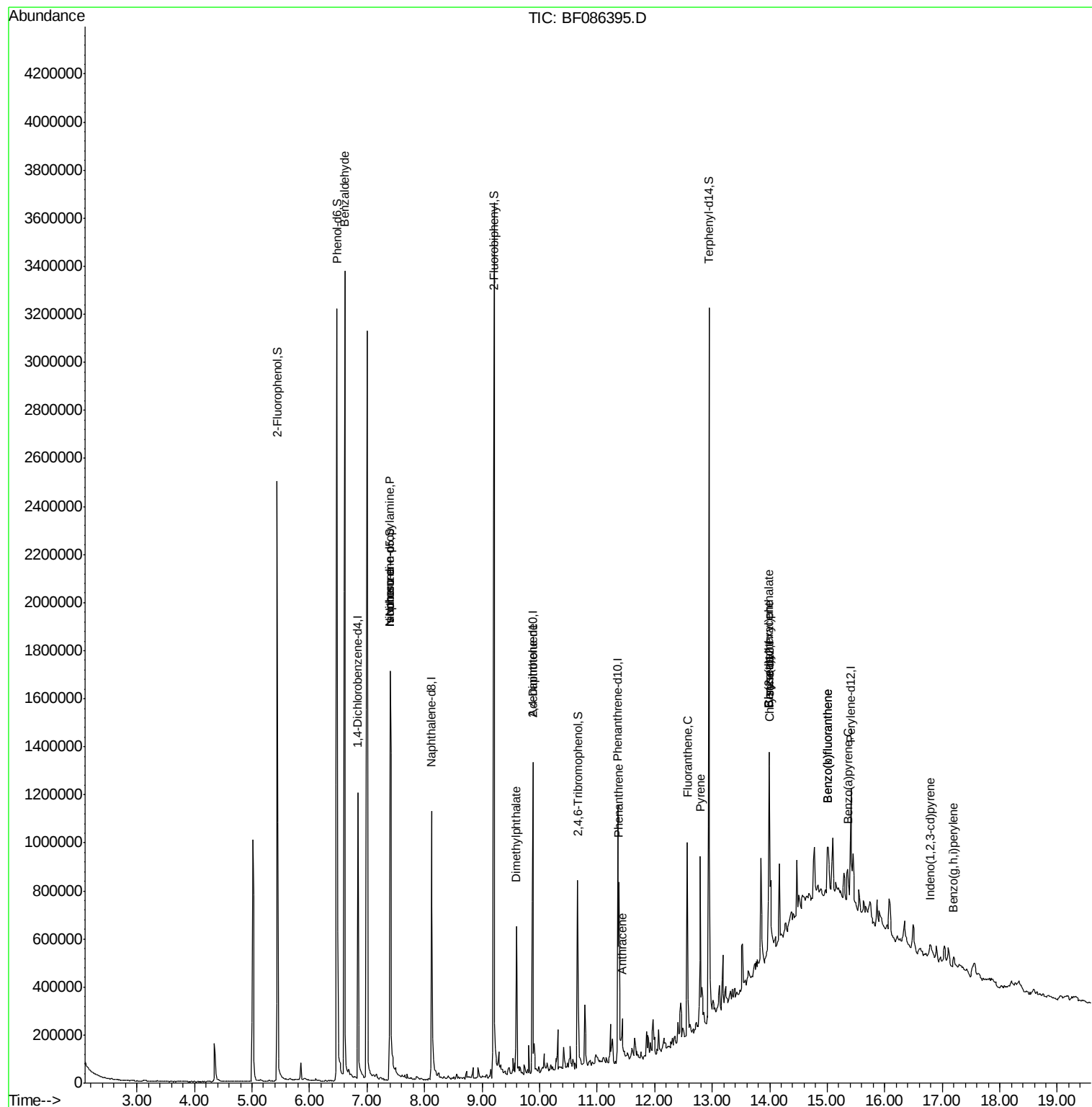
Target Compounds						Qvalue
9) Benzaldehyde	6.61	77	25134	2.70	ng	88
19) n-Nitroso-di-n-propylamine	7.40	70	124097	13.55	ng	# 84
25) Isophorone	7.40	82	957246	37.90	ng	# 68
49) Dimethylphthalate	9.60	163	252458	10.89	ng	99
56) 2,4-Dinitrotoluene	9.88	165	44078	6.63	ng	# 16
70) Phenanthrene	11.38	178	297245	11.37	ng	99
71) Anthracene	11.44	178	120317	4.02	ng	98
74) Fluoranthene	12.57	202	367822	13.05	ng	96
77) Pyrene	12.80	202	342403	13.03	ng	99
80) Benzo(a)anthracene	13.99	228	183866	9.40	ng	98
82) Chrysene	13.99	228	183866	8.35	ng	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	34589	2.52	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.79	276	50057	2.56	ng	# 87
87) Benzo(b)fluoranthene	15.01	252	178591	11.78	ng	# 86
88) Benzo(k)fluoranthene	15.01	252	178591	12.00	ng	# 84
89) Benzo(a)pyrene	15.36	252	97920	6.55	ng	# 89
91) Benzo(g,h,i)perylene	17.20	276	47873	3.76	ng	# 89

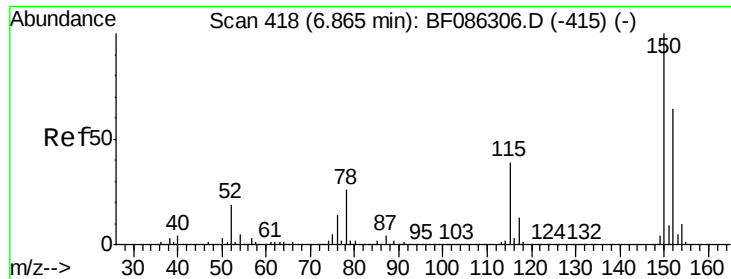
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

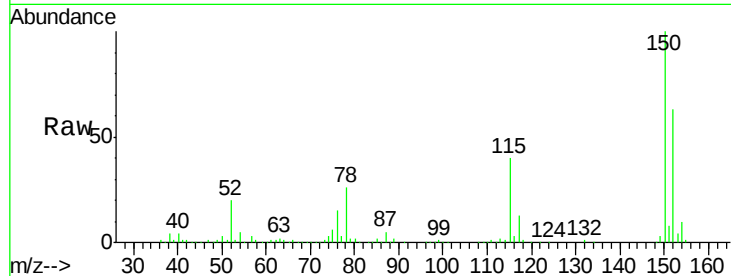
Tgt Ion:152 Resp: 194622

Ion Ratio Lower Upper

152 100

150 158.5 125.8 188.6

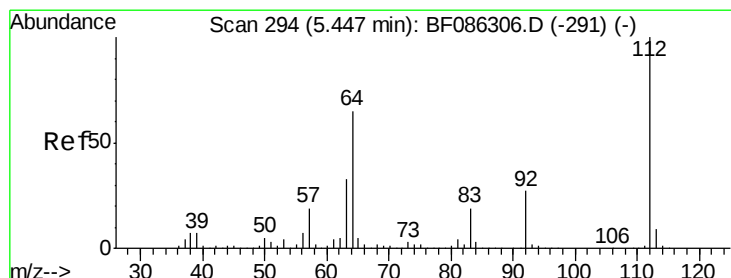
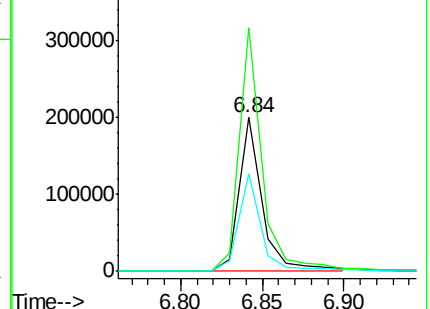
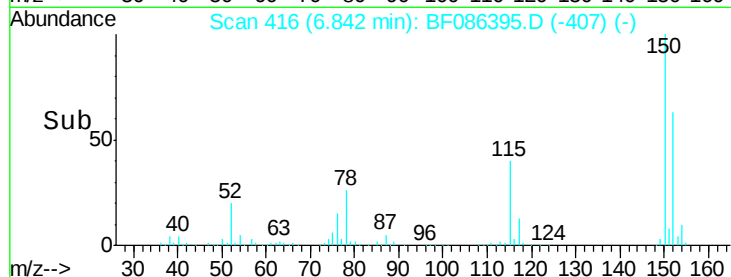
115 63.3 51.5 77.3



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: 77.92 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

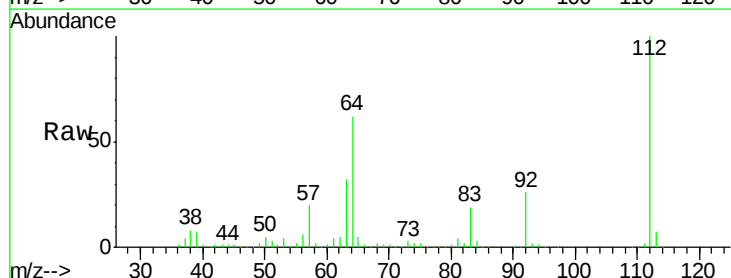
Tgt Ion:112 Resp: 878185

Ion Ratio Lower Upper

112 100

64 62.4 52.1 78.1

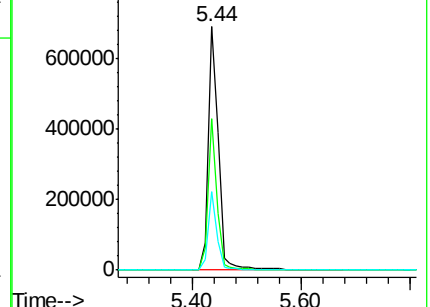
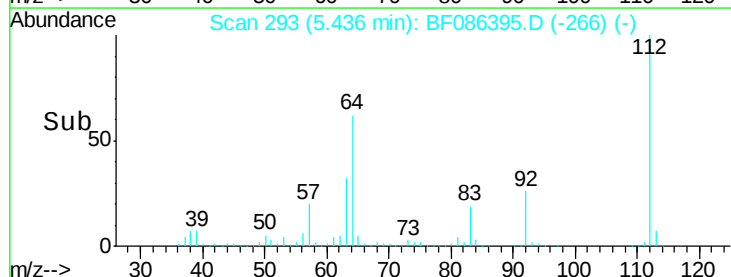
63 32.0 25.7 38.5

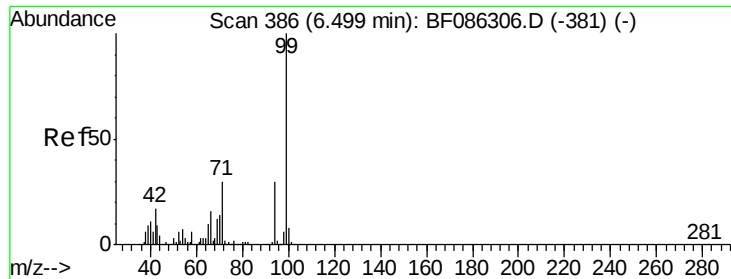


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.37 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

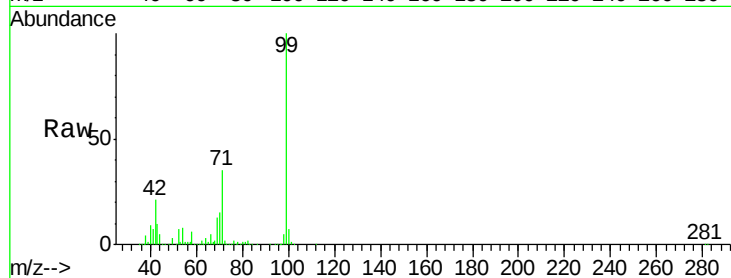
Tgt Ion: 99 Resp: 1430457

Ion Ratio Lower Upper

99 100

42 21.2 13.6 20.4#

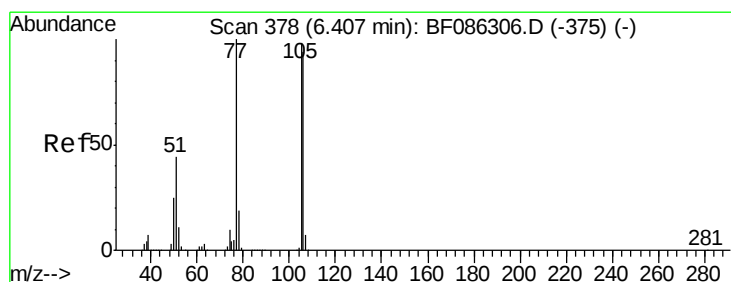
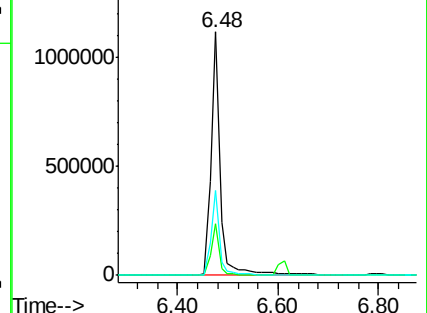
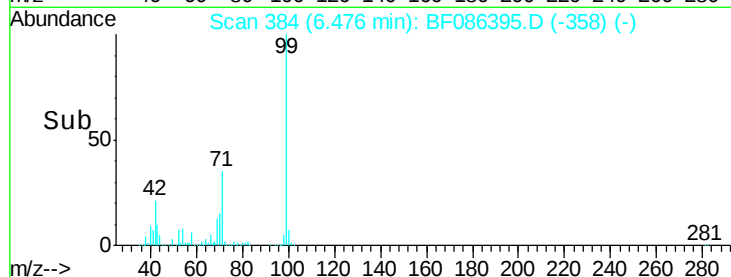
71 34.9 24.6 36.8



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



#9

Benzaldehyde

Concen: 2.70 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.23 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

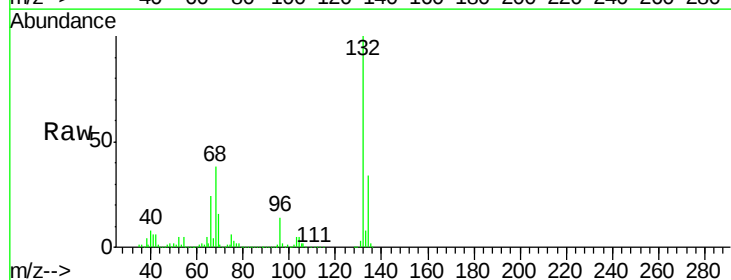
Tgt Ion: 77 Resp: 25134

Ion Ratio Lower Upper

77 100

105 88.2 72.7 112.7

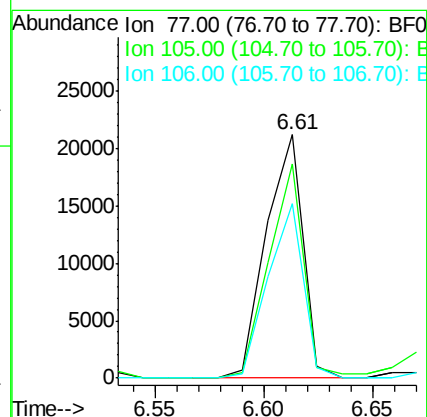
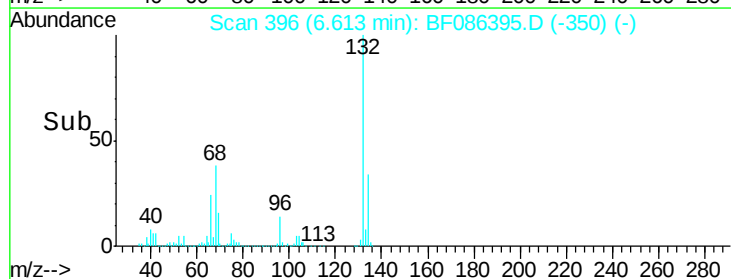
106 71.8 70.8 110.8

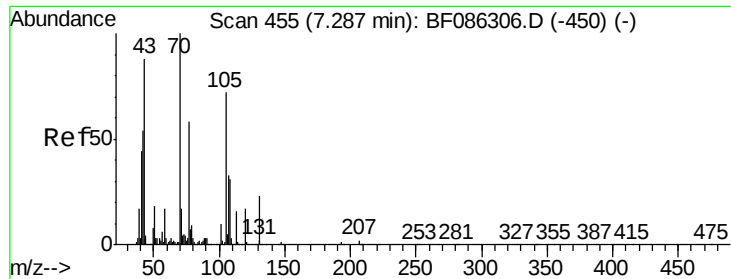


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

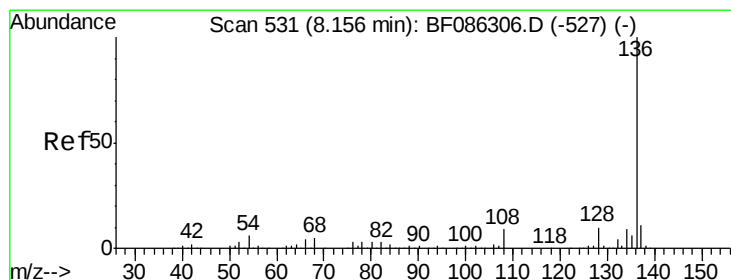
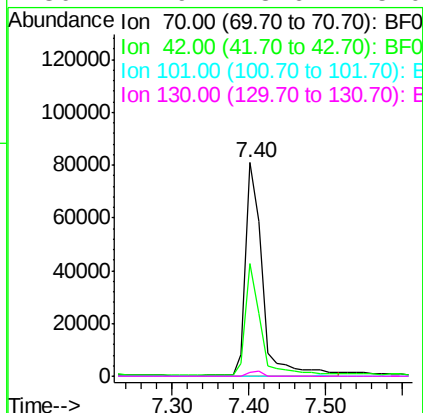
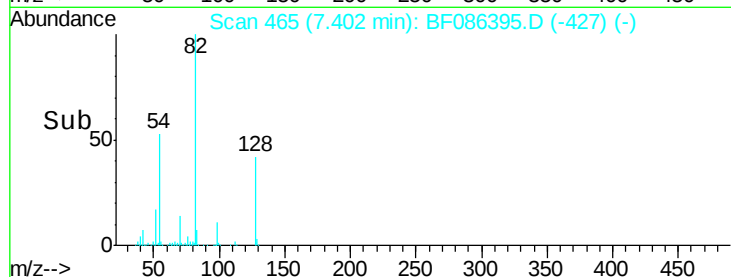
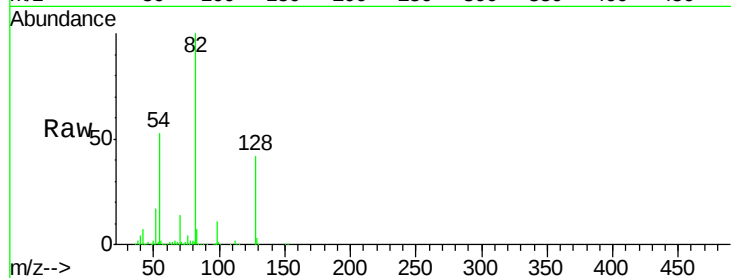




#19
n-Nitroso-di-n-propylamine
Concen: 13.55 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.14 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

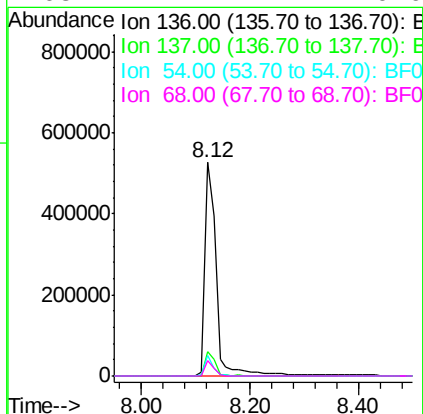
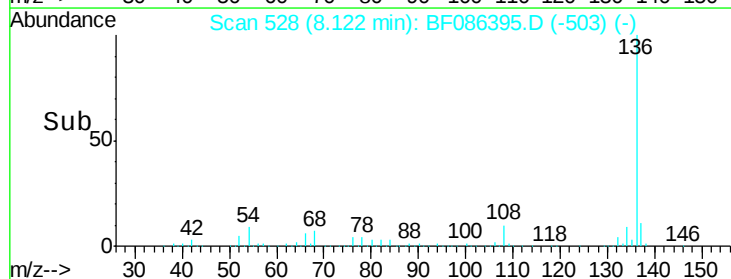
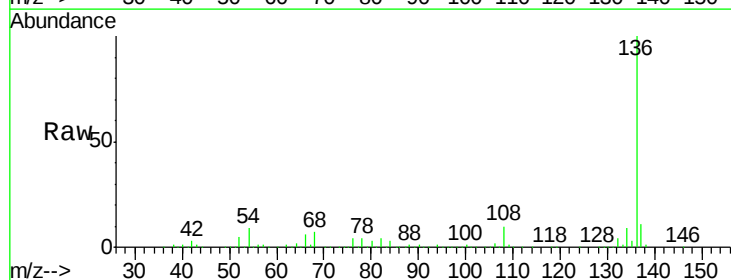
Instrument :
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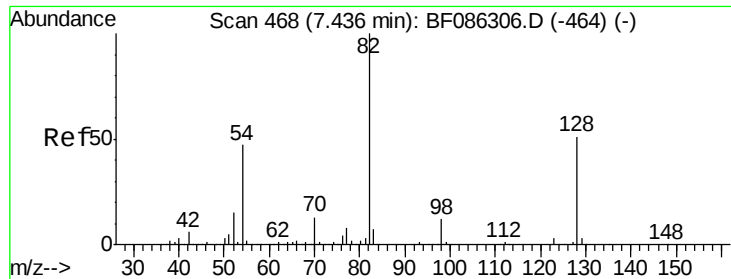
Tgt Ion: 70 Resp: 124097
Ion Ratio Lower Upper
70 100
42 52.8 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion: 136 Resp: 763458
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.4 5.0 7.4#
68 7.4 4.4 6.6#

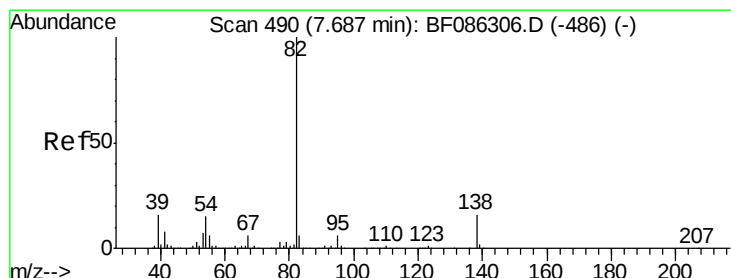
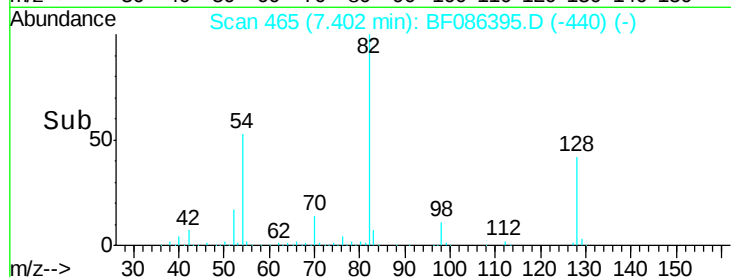
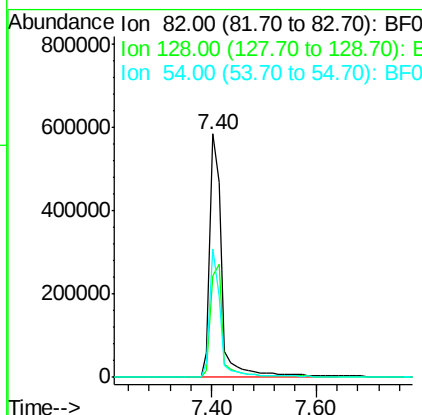
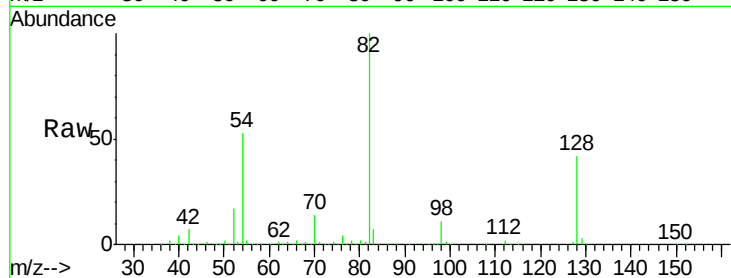




#23
Nitrobenzene-d5
Concen: 73.69 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

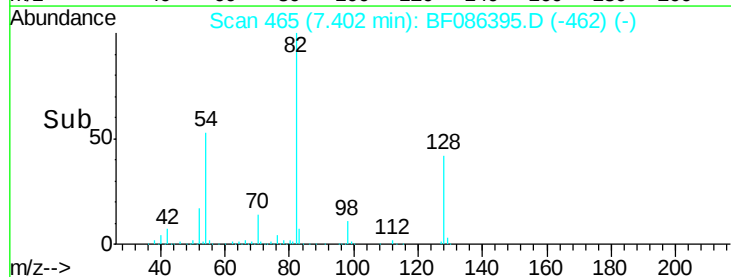
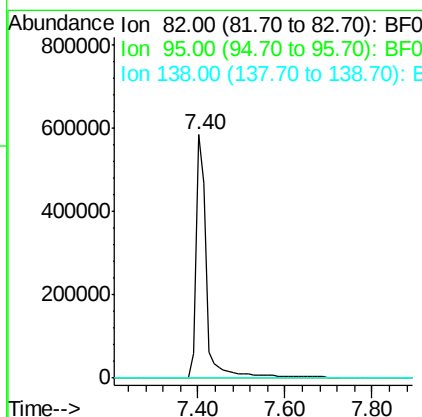
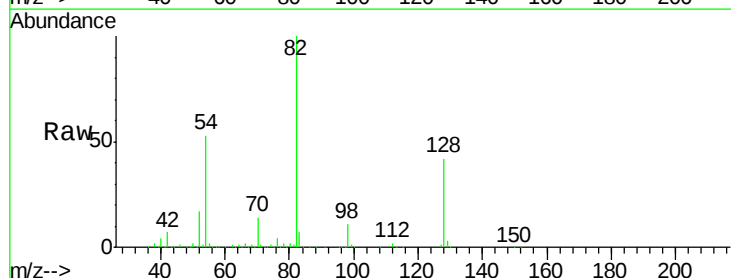
Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

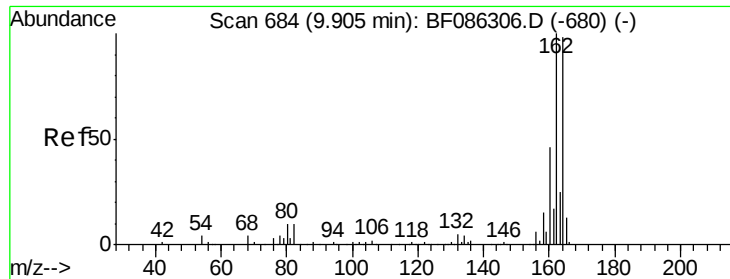
Tgt Ion: 82 Resp: 949767
Ion Ratio Lower Upper
82 100
128 41.8 40.6 61.0
54 52.8 38.1 57.1



#25
Isophorone
Concen: 37.90 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.26 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion: 82 Resp: 957246
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

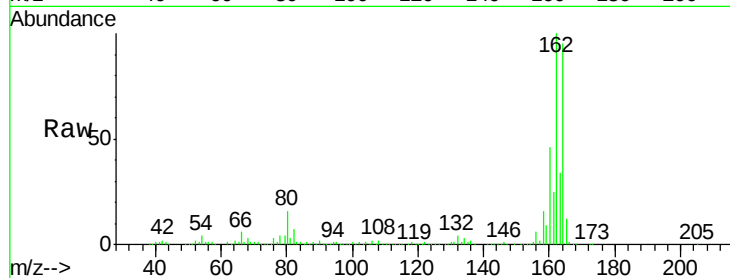
Tgt Ion:164 Resp: 320837

Ion Ratio Lower Upper

164 100

162 105.1 82.8 124.2

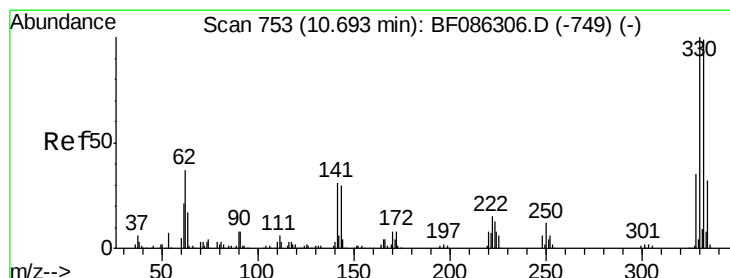
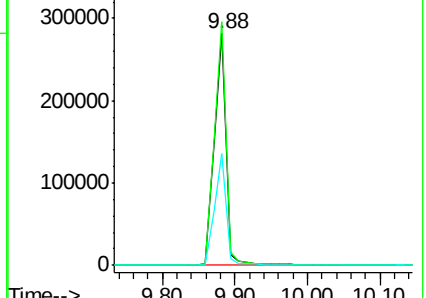
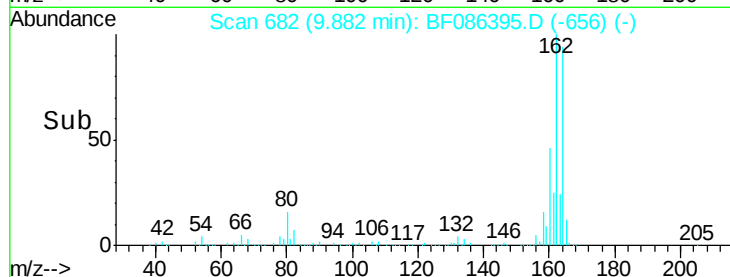
160 48.3 36.9 55.3



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: 36.58 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

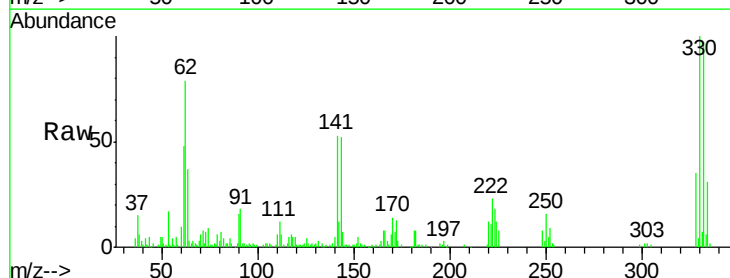
Tgt Ion:330 Resp: 106234

Ion Ratio Lower Upper

330 100

332 97.7 79.0 118.4

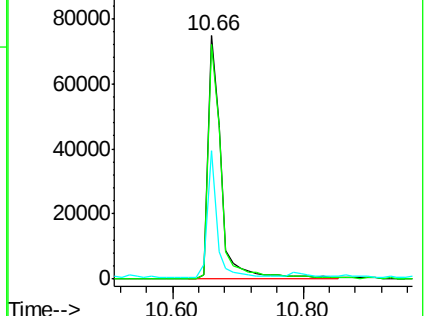
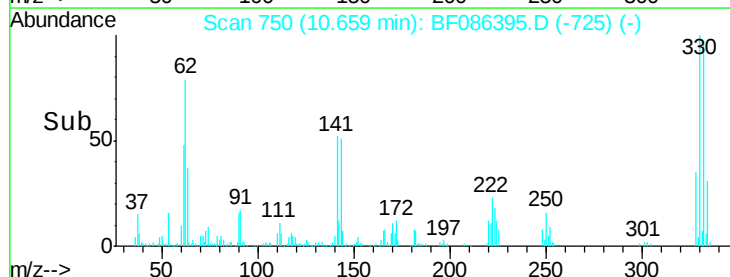
141 38.1 31.2 46.8

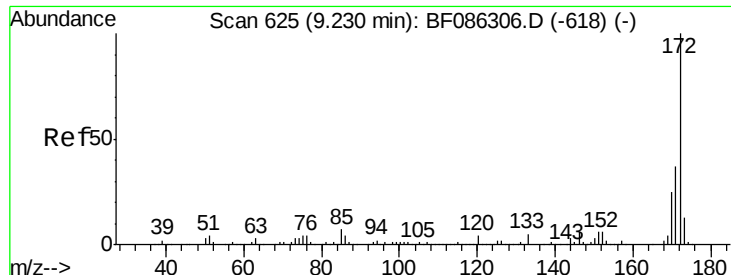


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

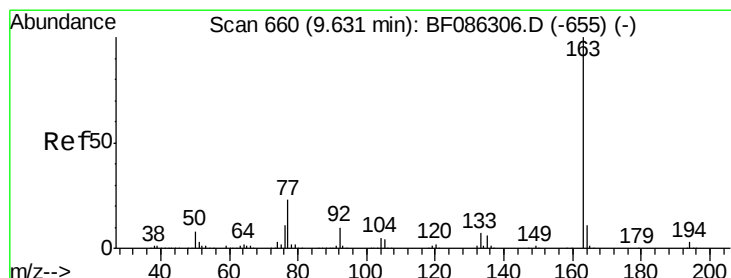
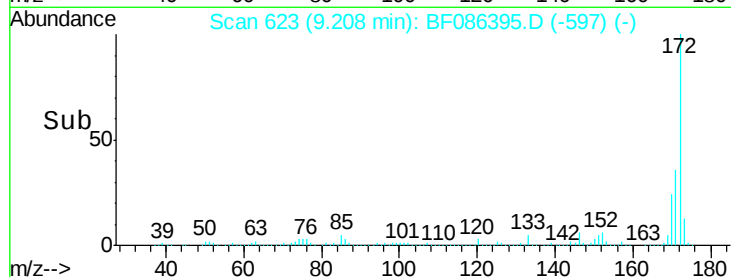
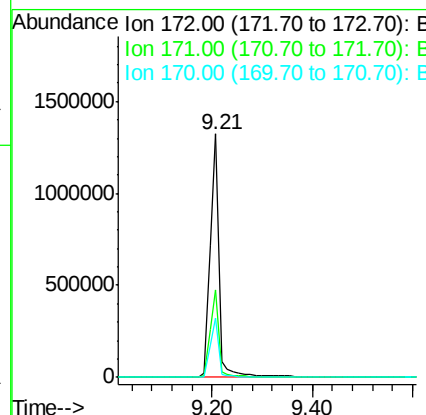
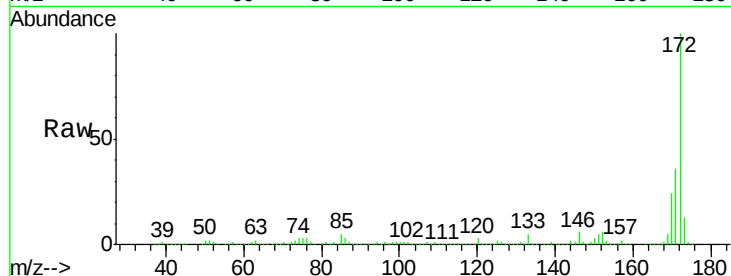




#44
 2-Fluorobiphenyl
 Concen: 86.30 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

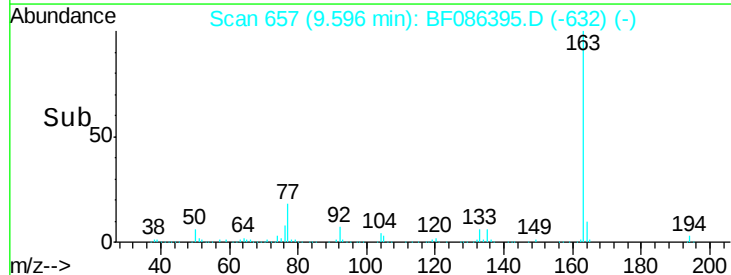
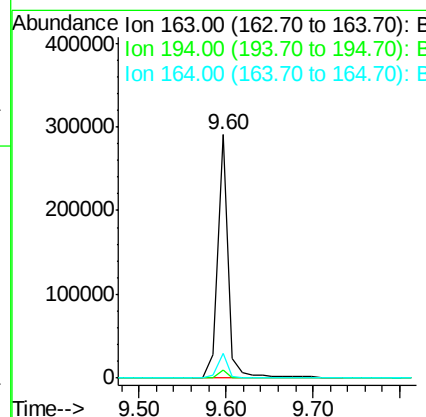
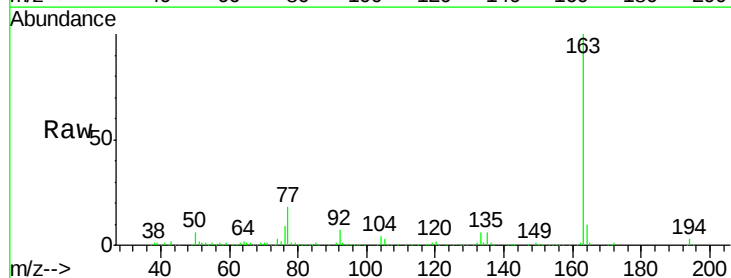
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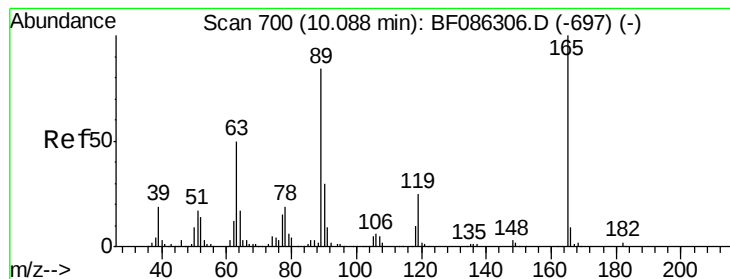
Tgt Ion:172 Resp: 1622541
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.3 19.8 29.8



#49
 Dimethylphthalate
 Concen: 10.89 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion:163 Resp: 252458
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.6 4.0
 164 9.9 8.2 12.4





#56

2,4-Dinitrotoluene

Concen: 6.63 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.18 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

Tgt Ion:165 Resp: 44078

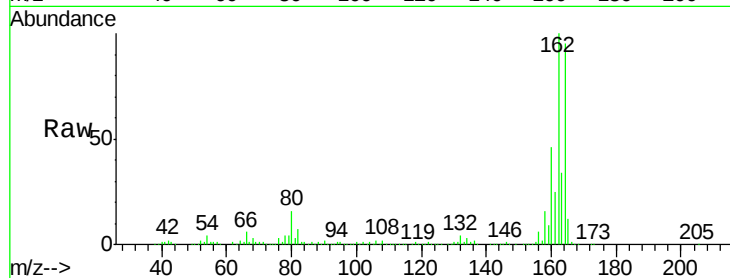
Ion Ratio Lower Upper

165 100

63 1.8 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

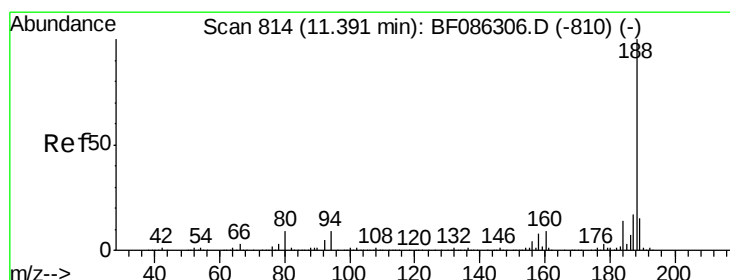
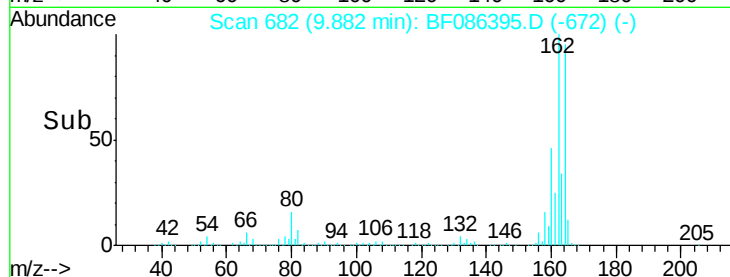
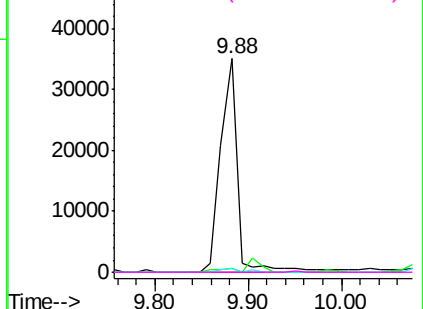


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

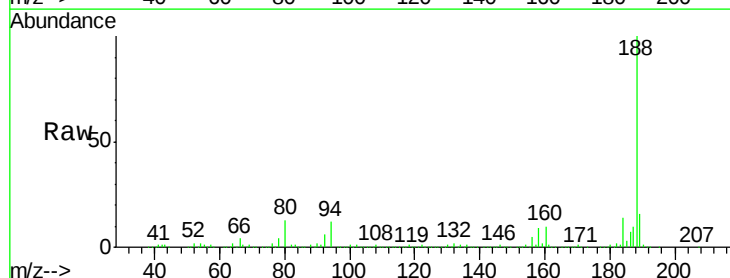
Tgt Ion:188 Resp: 520096

Ion Ratio Lower Upper

188 100

94 12.2 6.8 10.2#

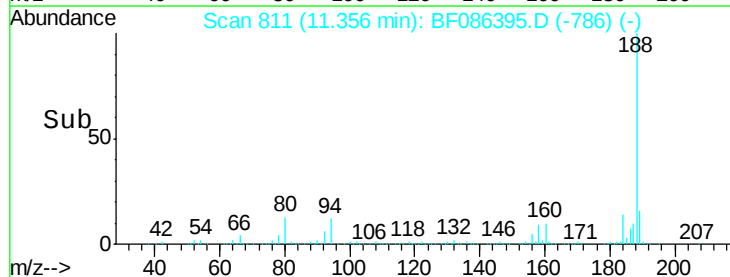
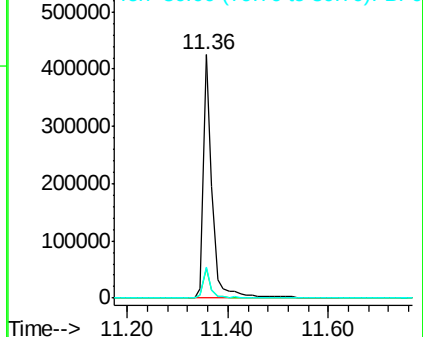
80 12.6 7.1 10.7#

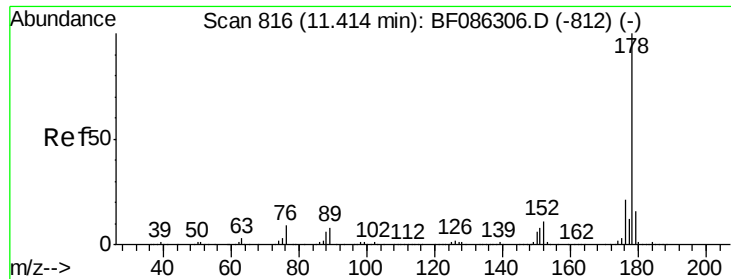


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

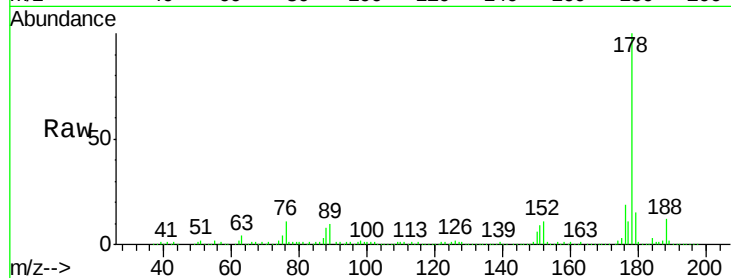




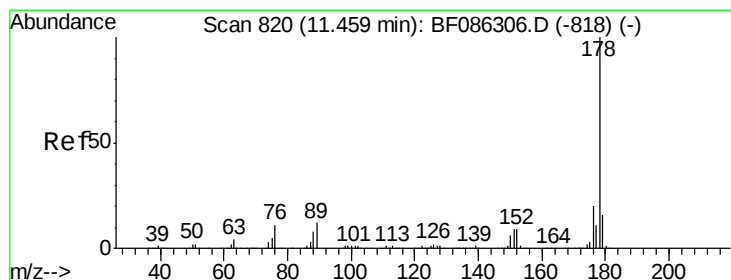
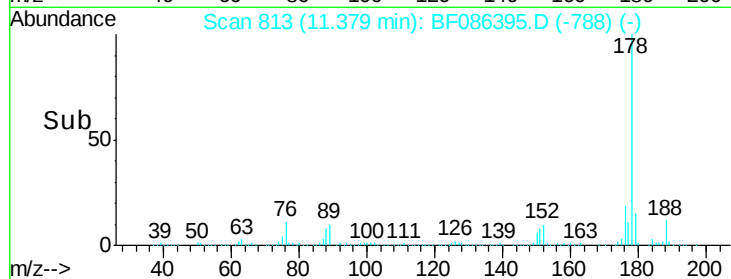
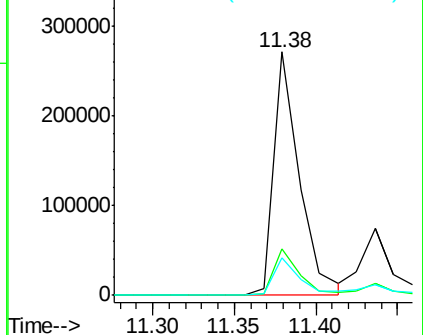
#70
 Phenanthrene
 Concen: 11.37 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tgt Ion:178 Resp: 297245
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.0 24.0
 179 15.4 12.6 18.8

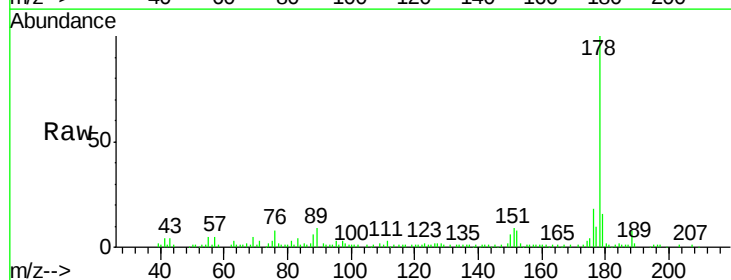


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

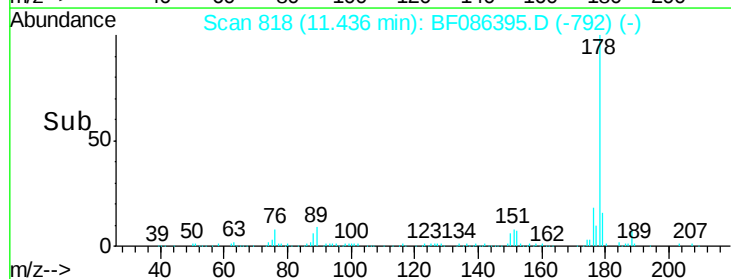
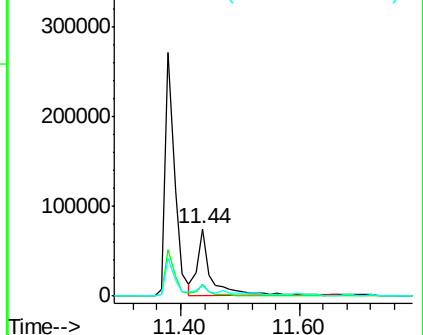


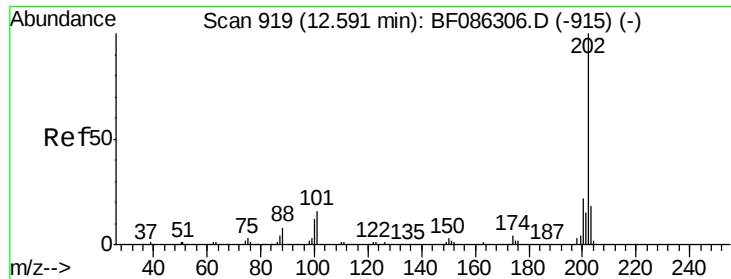
#71
 Anthracene
 Concen: 4.02 ng
 RT: 11.44 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion:178 Resp: 120317
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 16.2 12.7 19.1



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: 13.05 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

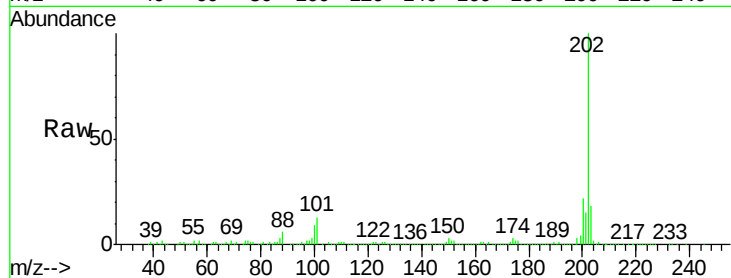
Tgt Ion:202 Resp: 367822

Ion Ratio Lower Upper

202 100

101 12.7 0.0 35.4

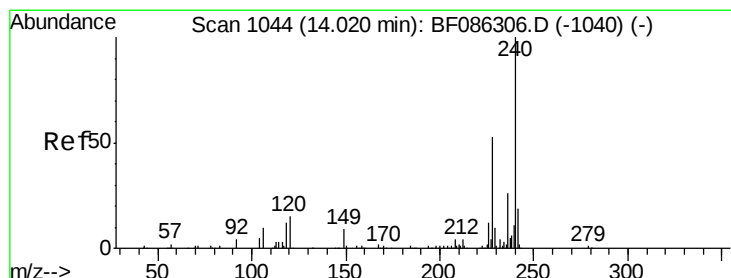
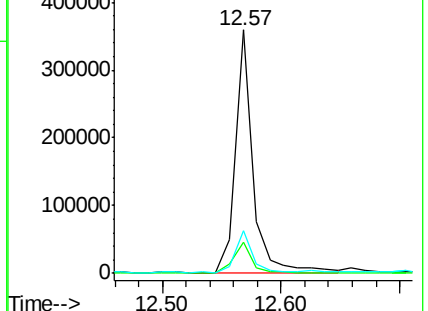
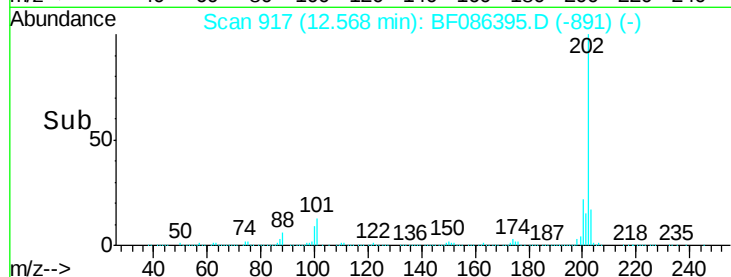
203 17.5 0.0 38.1



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: 14.00 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

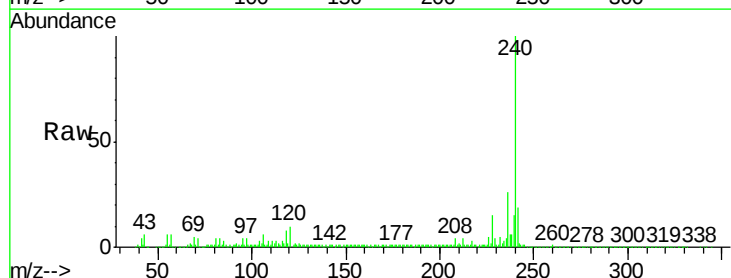
Tgt Ion:240 Resp: 376644

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

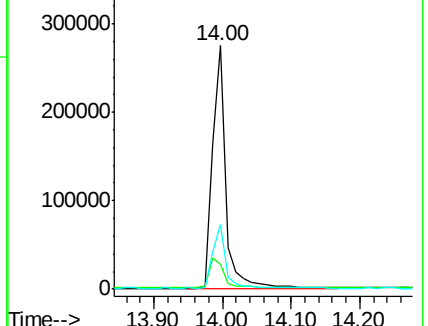
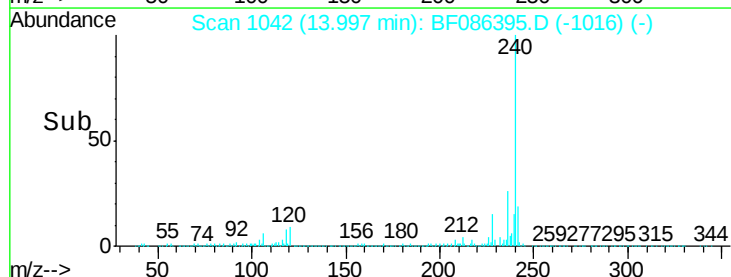
236 26.4 21.2 31.8

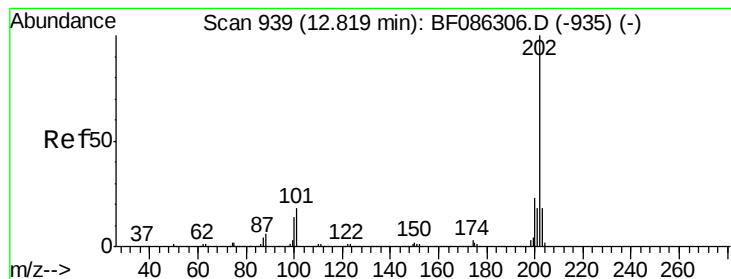


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.03 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

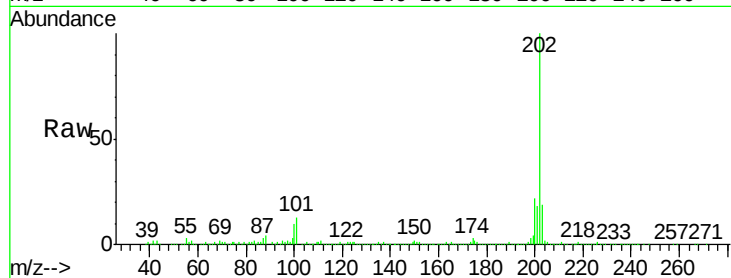
Tgt Ion:202 Resp: 342403

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

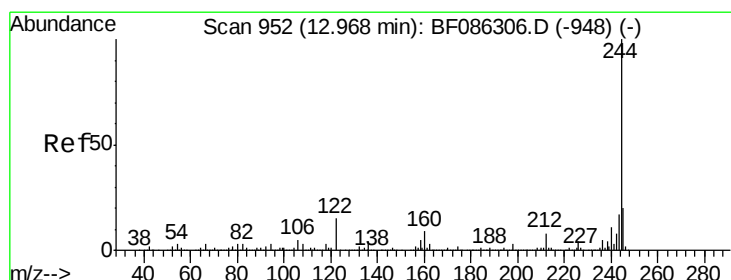
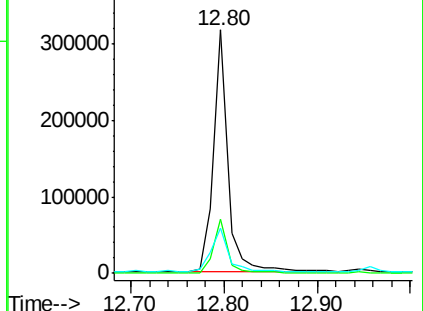
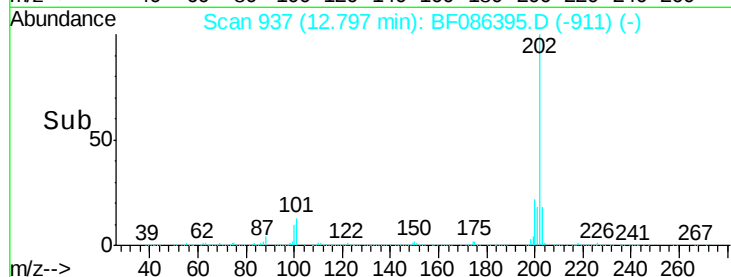
203 18.8 14.2 21.4



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: 72.69 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

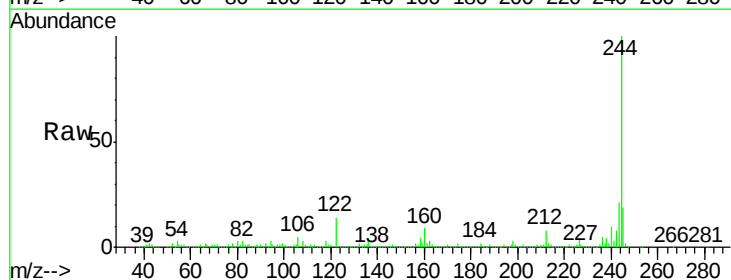
Tgt Ion:244 Resp: 1101922

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

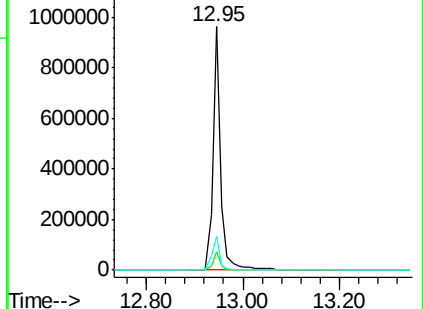
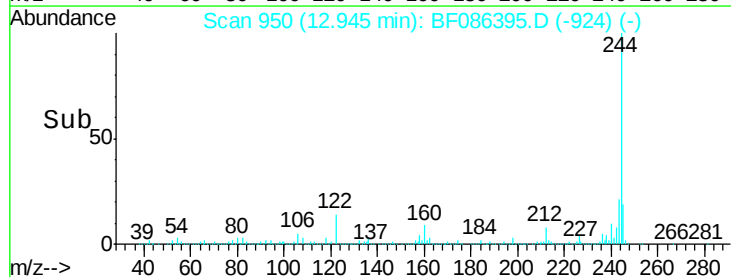
122 14.0 12.0 18.0

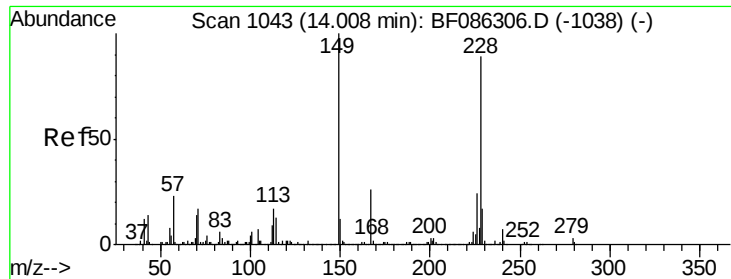


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

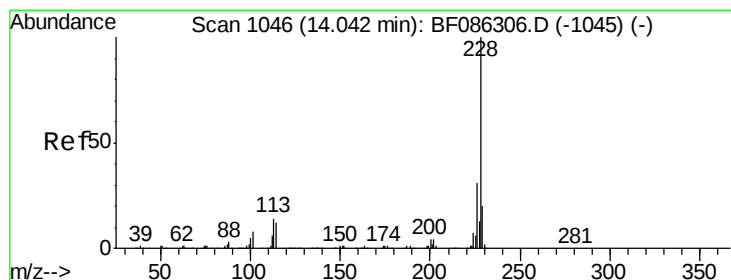
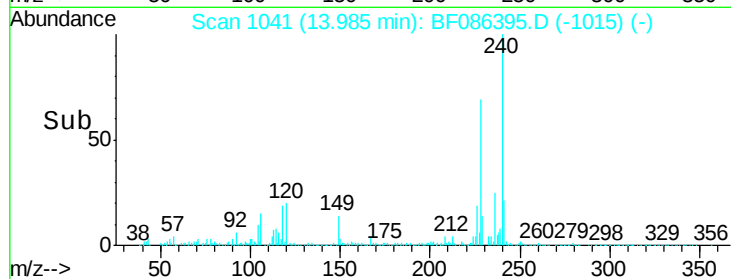
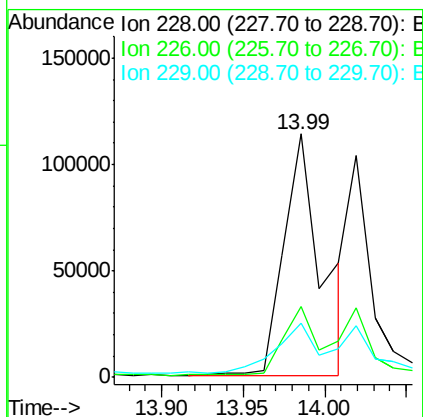
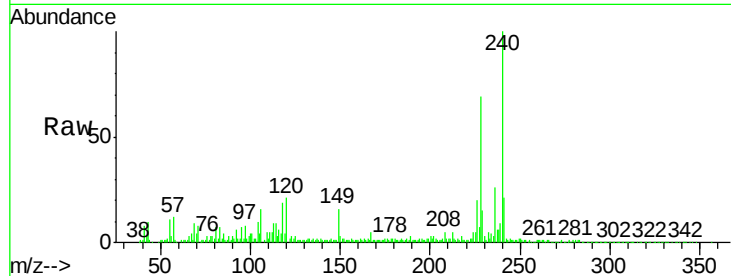




#80
Benzo(a)anthracene
Concen: 9.40 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

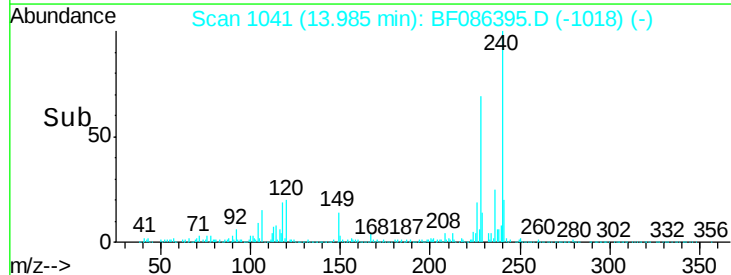
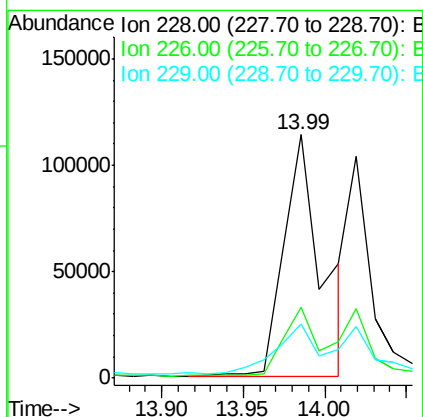
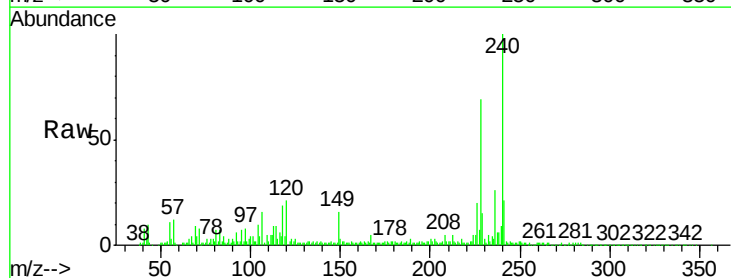
Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

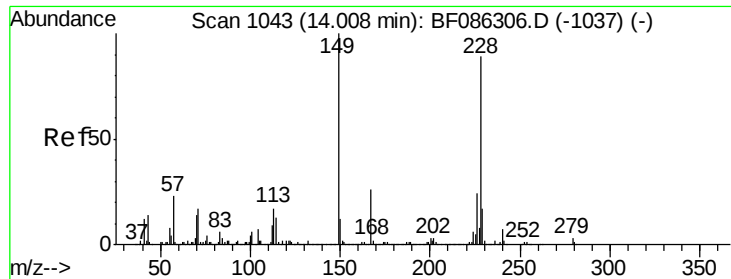
Tgt Ion:228 Resp: 183866
Ion Ratio Lower Upper
228 100
226 29.2 22.5 33.7
229 22.1 16.6 25.0



#82
Chrysene
Concen: 8.35 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion:228 Resp: 183866
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 22.1 15.8 23.8

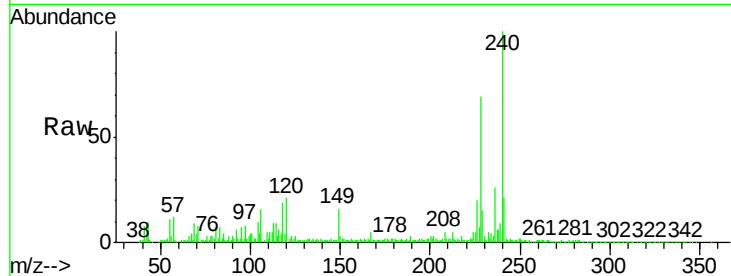




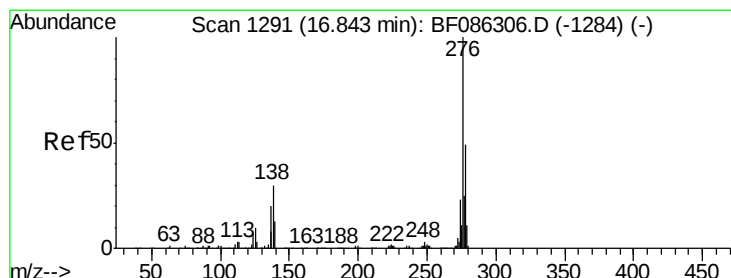
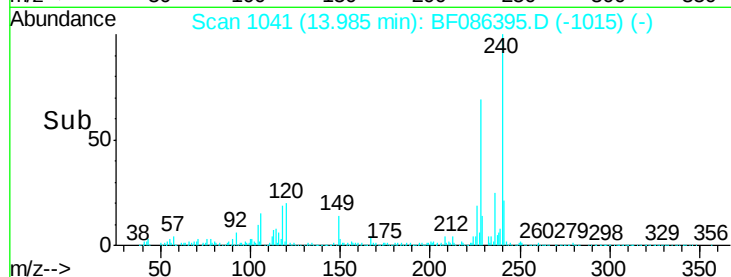
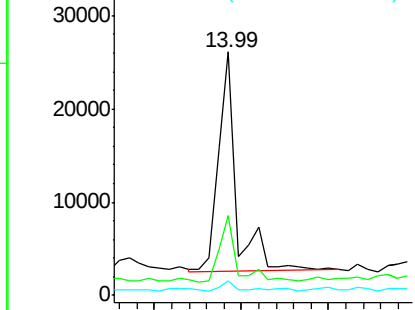
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.52 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B11(0-4)-C

Tgt Ion:149 Resp: 34589
 Ion Ratio Lower Upper
 149 100
 167 32.7 21.8 32.6#
 279 6.0 2.6 4.0#

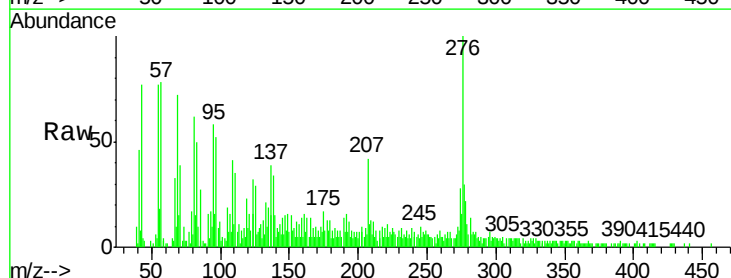


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

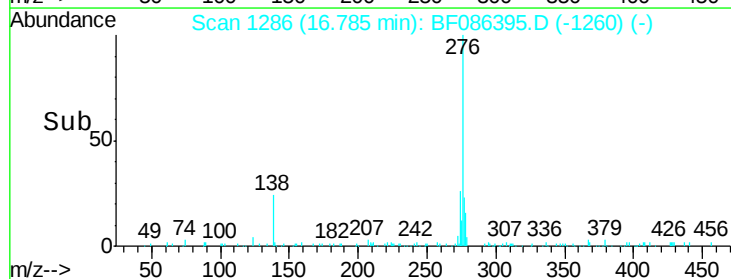
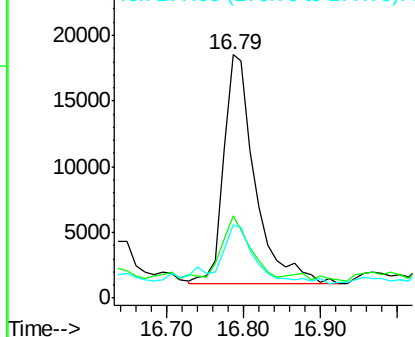


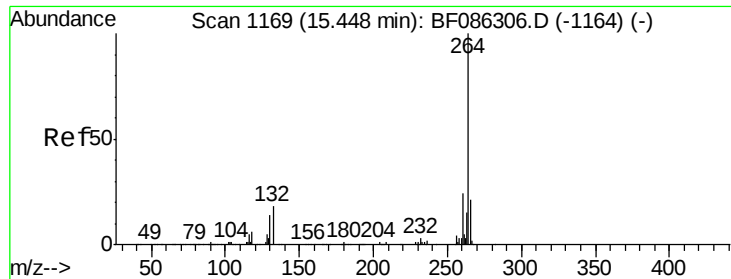
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BF086395.D
 Acq: 23 Apr 2016 17:29

Tgt Ion:276 Resp: 50057
 Ion Ratio Lower Upper
 276 100
 138 23.5 25.6 38.4#
 277 30.3 20.5 30.7



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

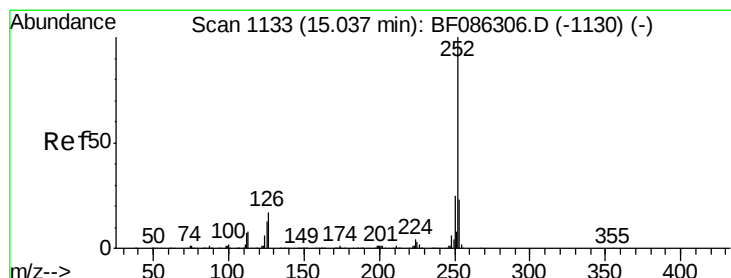
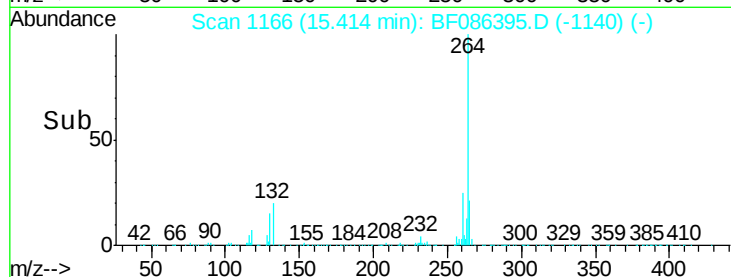
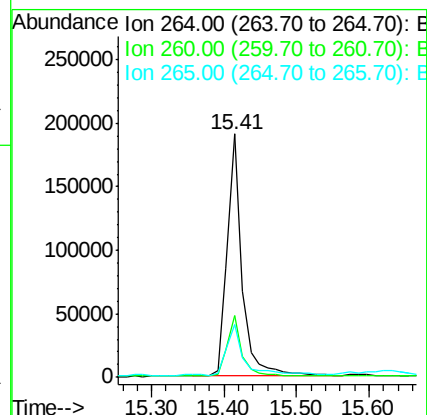
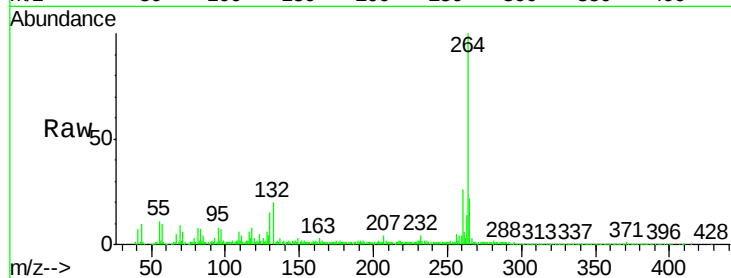




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

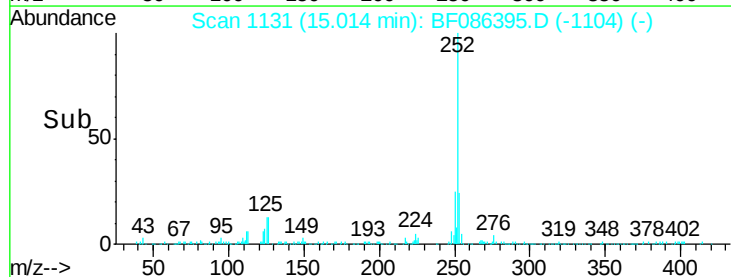
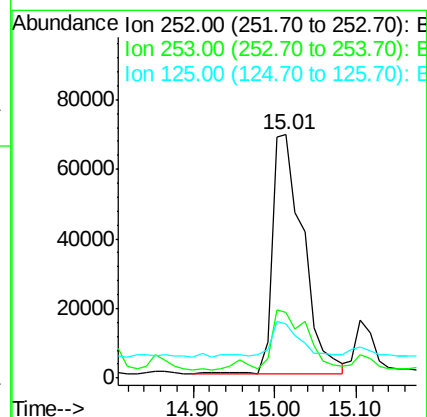
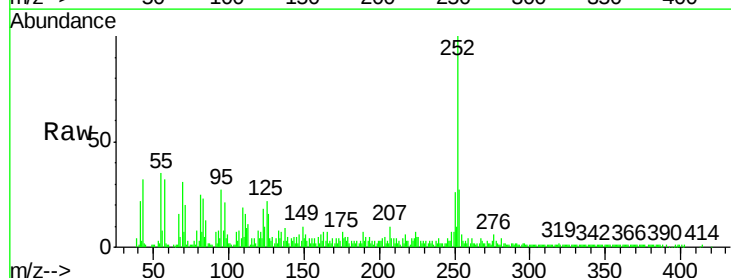
Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

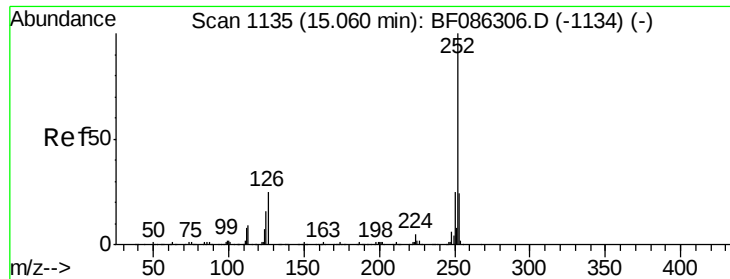
Tgt Ion:264 Resp: 276185
Ion Ratio Lower Upper
264 100
260 25.5 19.5 29.3
265 21.9 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 11.78 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion:252 Resp: 178591
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.6#
125 22.2 11.4 17.0#

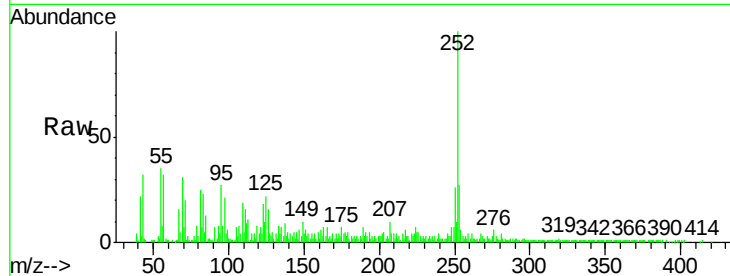




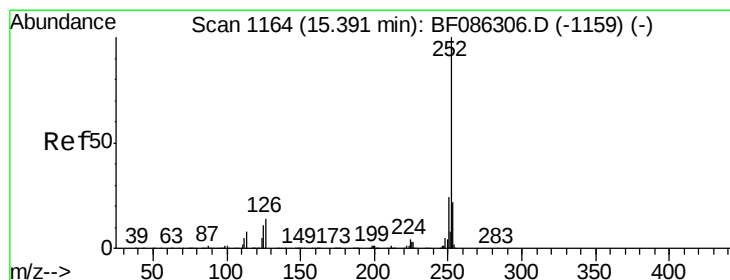
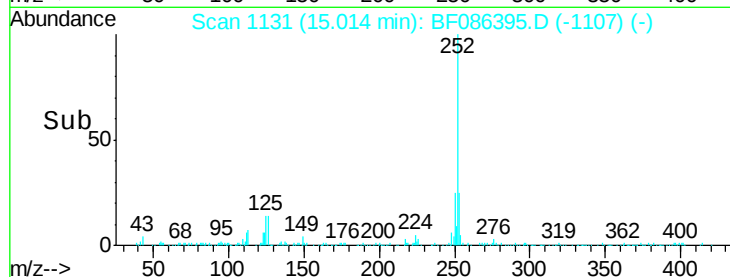
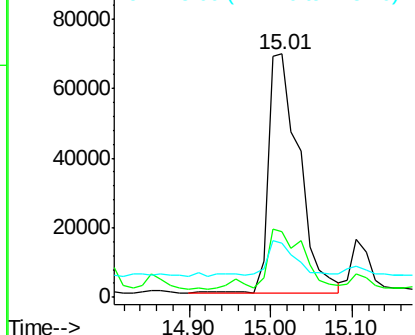
#88
Benzo(k)fluoranthene
Concen: 12.00 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Instrument :
BNA_F
ClientSampleId :
WPG-B11(0-4)-C

Tgt Ion: 252 Resp: 178591
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.6#
125 22.2 9.1 13.7#

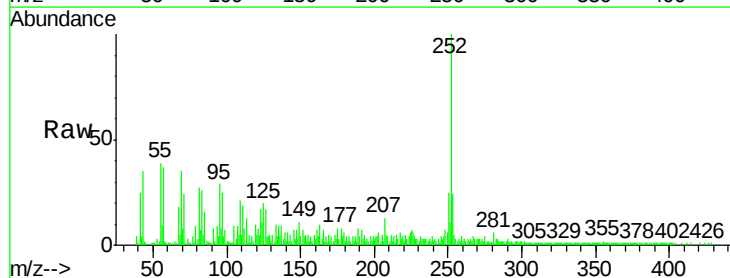


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

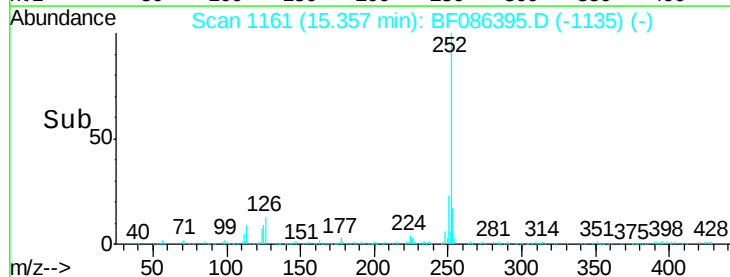
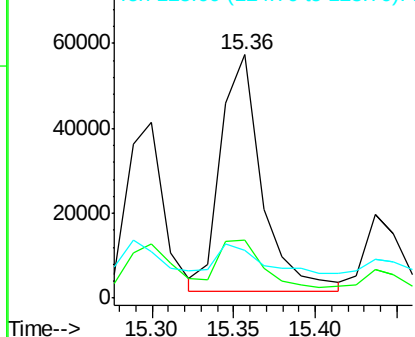


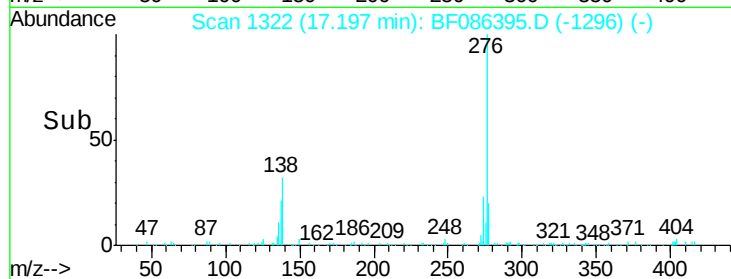
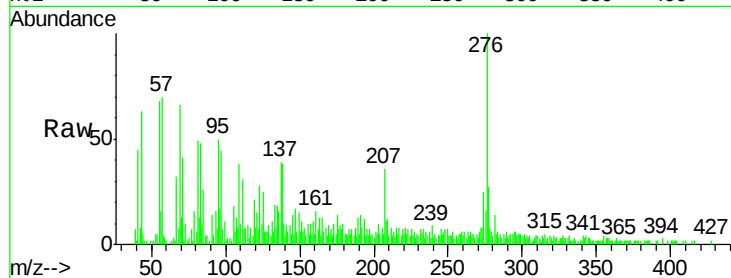
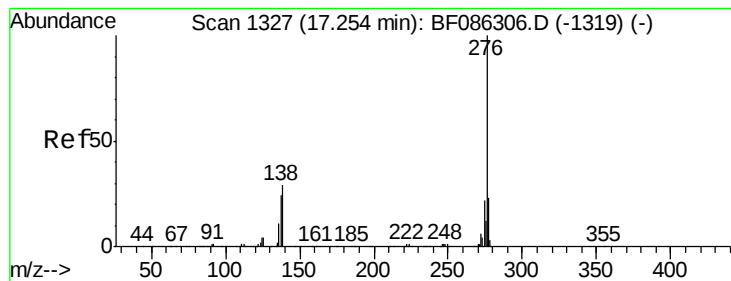
#89
Benzo(a)pyrene
Concen: 6.55 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF086395.D
Acq: 23 Apr 2016 17:29

Tgt Ion: 252 Resp: 97920
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 19.8 9.0 13.6#



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: 3.76 ng

RT: 17.20 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF086395.D

Acq: 23 Apr 2016 17:29

Instrument :

BNA_F

ClientSampleId :

WPG-B11(0-4)-C

Tgt Ion:276 Resp: 47873

Ion Ratio Lower Upper

276 100

277 26.6 19.6 29.4

138 38.3 23.6 35.4#

