

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086409.D
 Acq On : 24 Apr 2016 00:14
 Operator : UM/SJ
 Sample : H2652-11 2X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B1(0-7.5)-C

Quant Time: Apr 25 00:59:36 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	160236	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	629504	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	249463	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	431917	20.00	ng	0.00
75) Chrysene-d12	14.00	240	318770	20.00	ng	0.00
86) Perylene-d12	15.43	264	230103	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	696412	75.06	ng	0.01
7) Phenol-d6	6.48	99	915190	72.55	ng	0.00
23) Nitrobenzene-d5	7.40	82	522047	49.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	152208	67.40	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	923474	63.17	ng	0.00
78) Terphenyl-d14	12.94	244	668631	52.12	ng	0.00

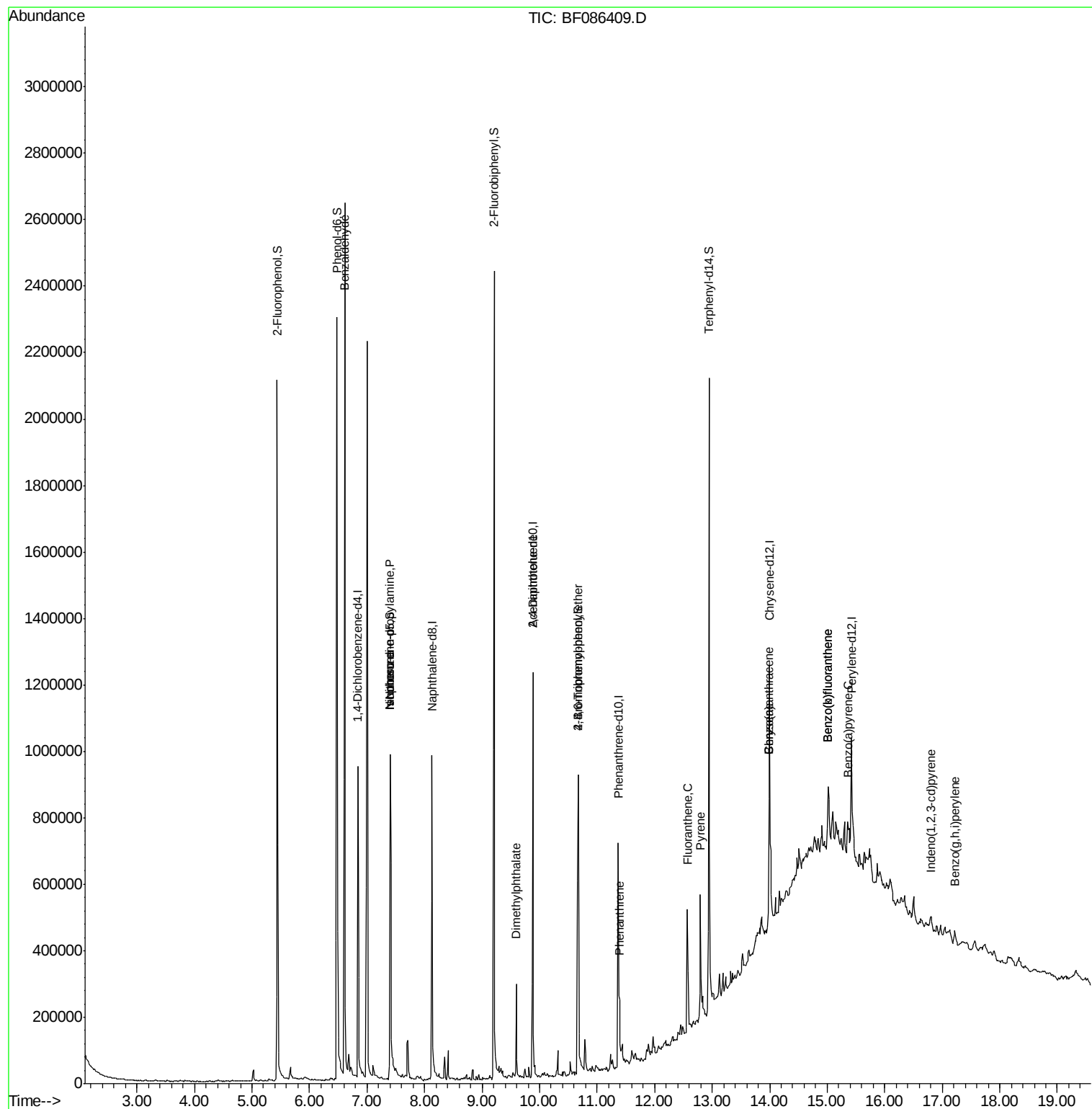
Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	17110	2.23	ng	87
19) n-Nitroso-di-n-propylamine	7.40	70	66690	8.85	ng	# 82
25) Isophorone	7.40	82	474802	22.80	ng	# 68
49) Dimethylphthalate	9.60	163	109995	6.10	ng	100
56) 2,4-Dinitrotoluene	9.88	165	31767	6.15	ng	# 16
66) 4-Bromophenyl-phenylether	10.67	248	9371	2.22	ng	# 1
70) Phenanthrene	11.39	178	87691	4.04	ng	98
74) Fluoranthene	12.57	202	185884	7.94	ng	98
77) Pyrene	12.80	202	178039	8.01	ng	98
80) Benzo(a)anthracene	13.99	228	90874	5.49	ng	94
82) Chrysene	13.99	228	90874	4.87	ng	95
85) Indeno(1,2,3-cd)pyrene	16.81	276	37607	2.27	ng	96
87) Benzo(b)fluoranthene	15.01	252	116499	9.22	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	116499	9.40	ng	# 83
89) Benzo(a)pyrene	15.36	252	63085	5.06	ng	# 78
91) Benzo(g,h,i)perylene	17.22	276	36633	3.45	ng	94

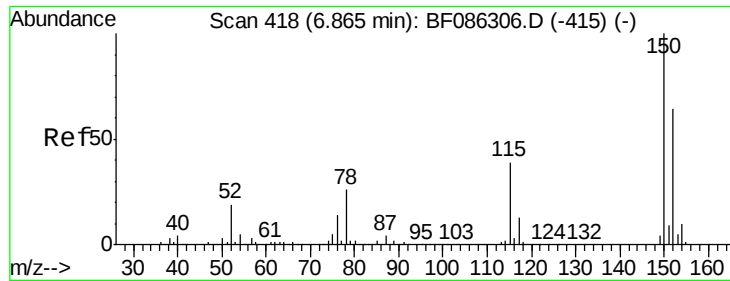
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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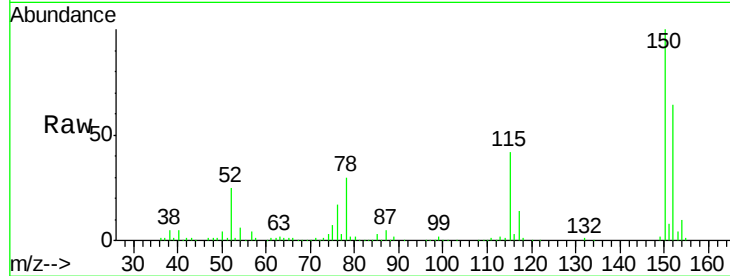


#1

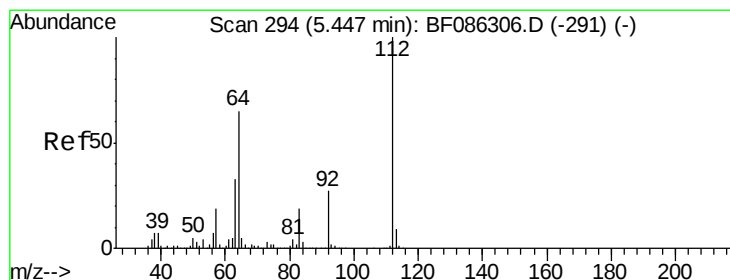
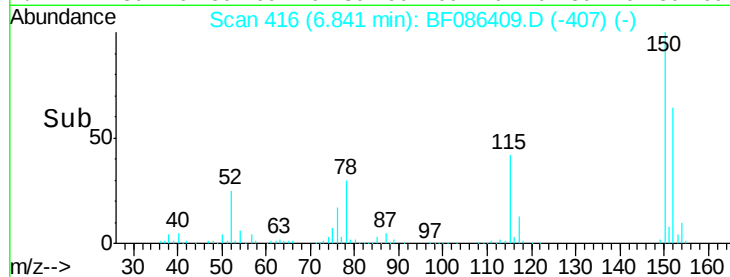
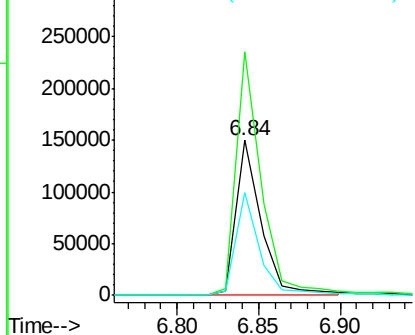
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Instrument :
BNA_F
ClientSampleId :
WPG-B1(0-7.5)-C

Tgt Ion:152 Resp: 160236
Ion Ratio Lower Upper
152 100
150 157.0 125.8 188.6
115 66.6 51.5 77.3



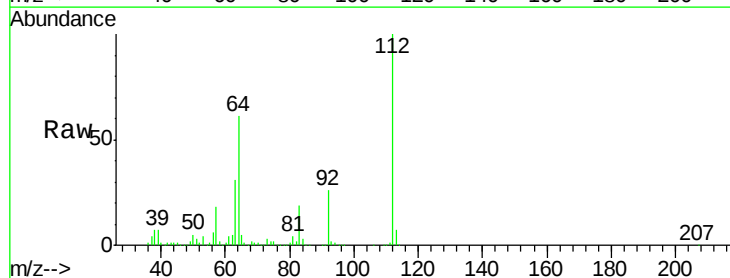
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



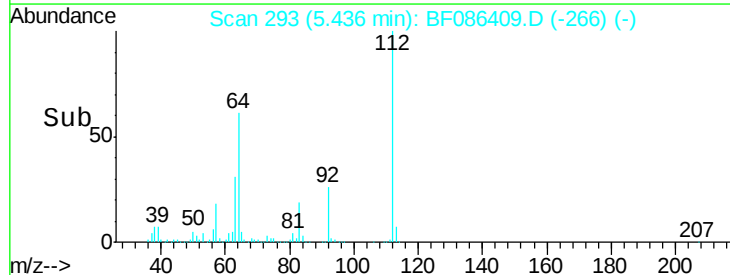
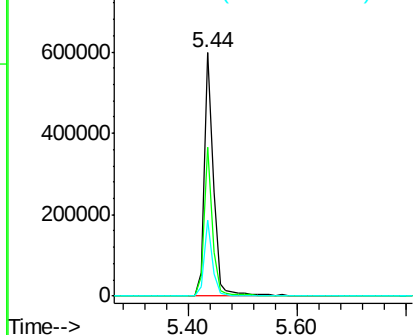
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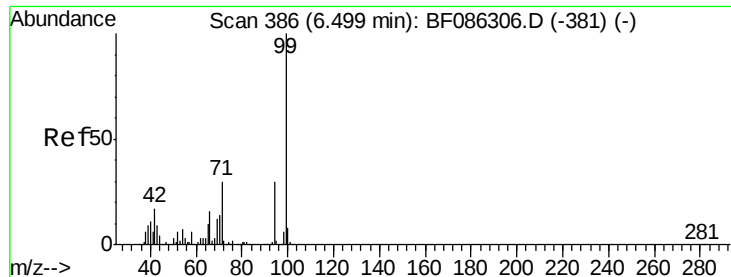
2-Fluorophenol
Concen: 75.06 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion:112 Resp: 696412
Ion Ratio Lower Upper
112 100
64 61.2 52.1 78.1
63 31.3 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: 72.55 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

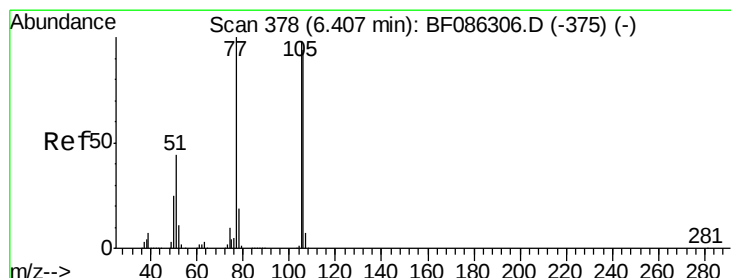
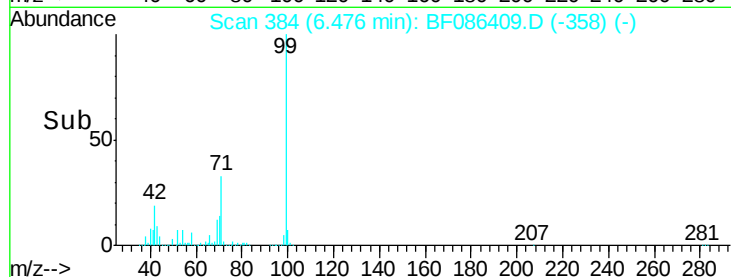
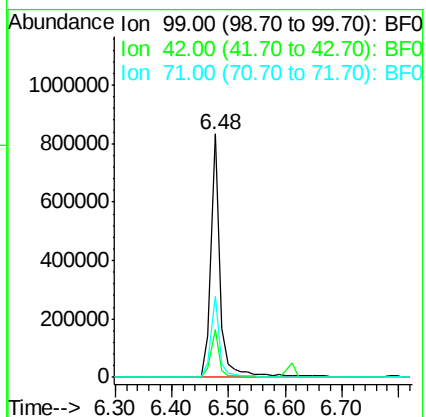
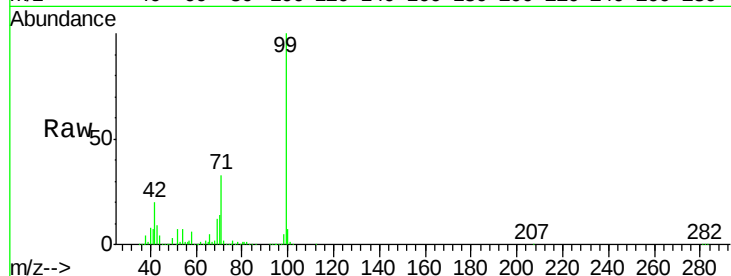
Tgt Ion: 99 Resp: 915190

Ion Ratio Lower Upper

99 100

42 19.5 13.6 20.4

71 33.3 24.6 36.8



#9

Benzaldehyde

Concen: 2.23 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.23 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

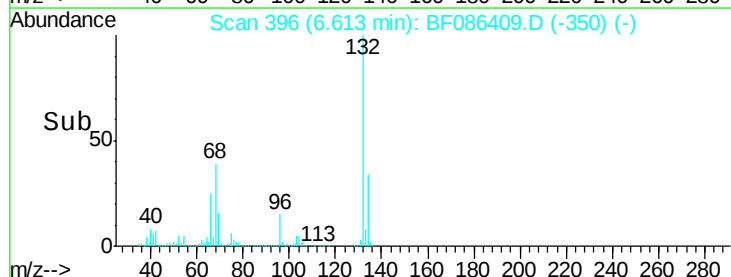
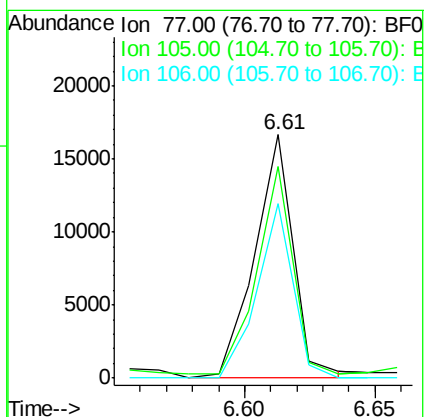
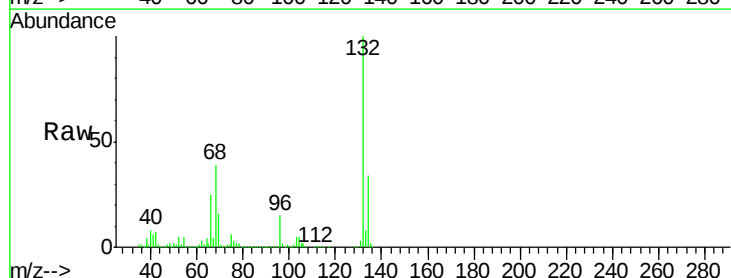
Tgt Ion: 77 Resp: 17110

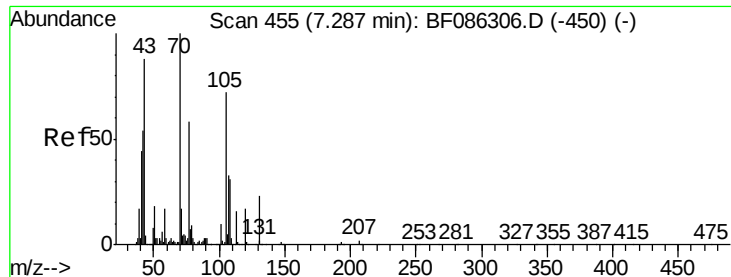
Ion Ratio Lower Upper

77 100

105 87.0 72.7 112.7

106 71.8 70.8 110.8

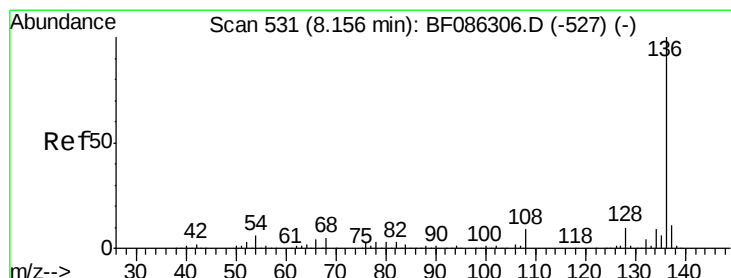
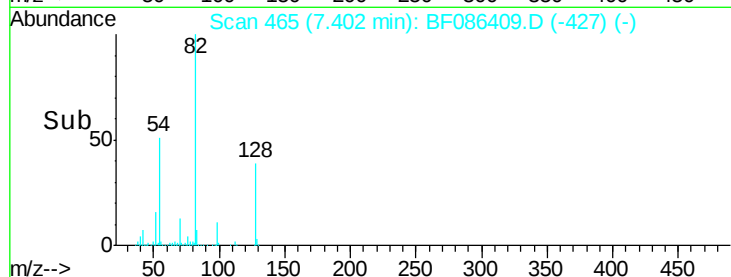
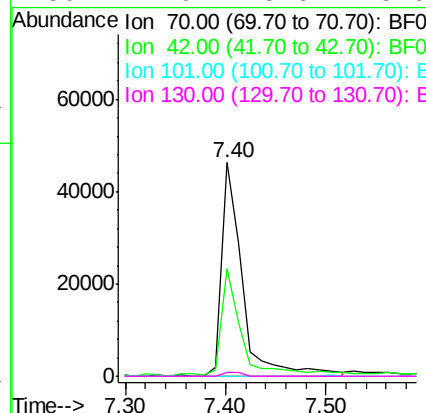
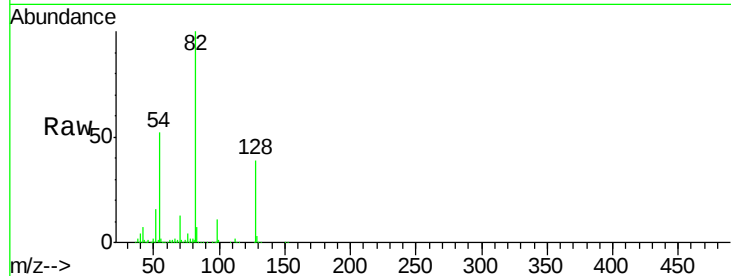




#19
n-Nitroso-di-n-propylamine
Concen: 8.85 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.14 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

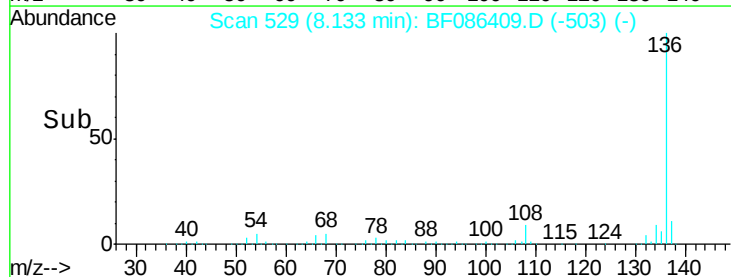
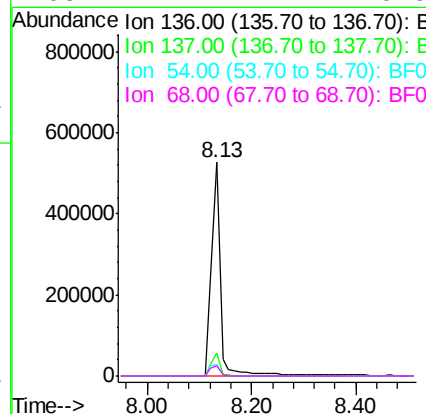
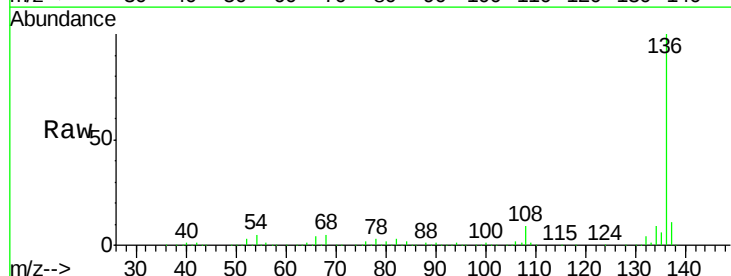
Instrument :
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WPG-B1(0-7.5)-C

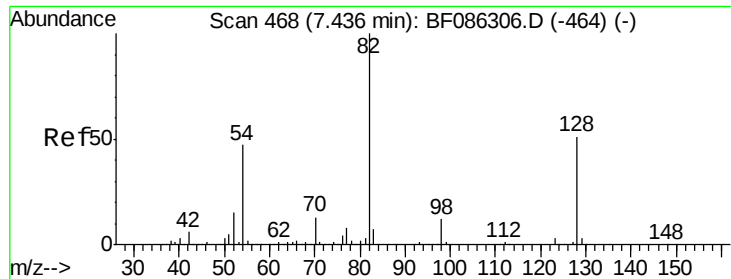
Tgt Ion: 70 Resp: 66690
Ion Ratio Lower Upper
70 100
42 50.4 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion: 136 Resp: 629504
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 5.4 5.0 7.4
68 4.7 4.4 6.6

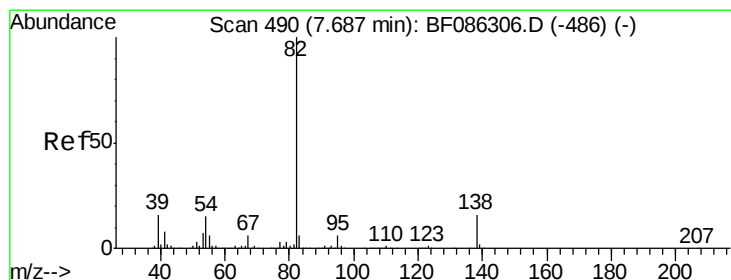
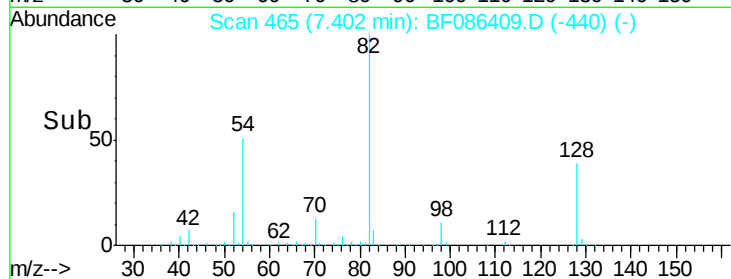
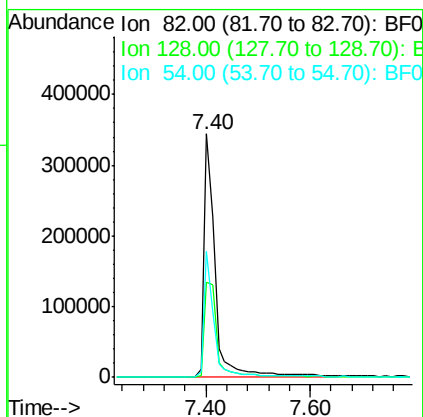
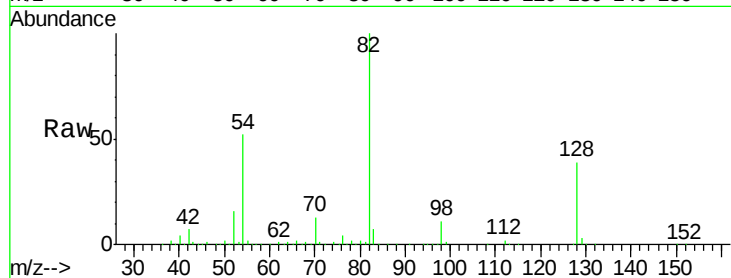




#23
Nitrobenzene-d5
Concen: 49.13 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

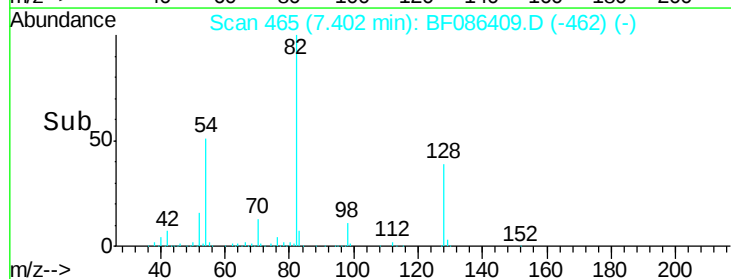
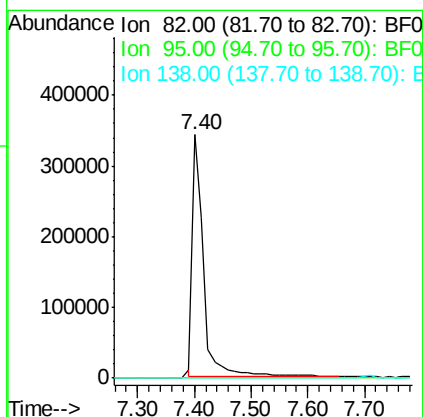
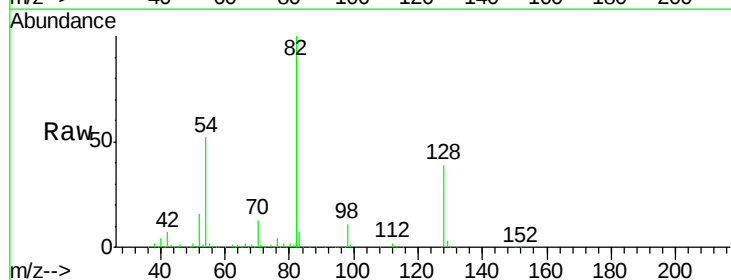
Instrument :
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ClientSampleId :
WPG-B1(0-7.5)-C

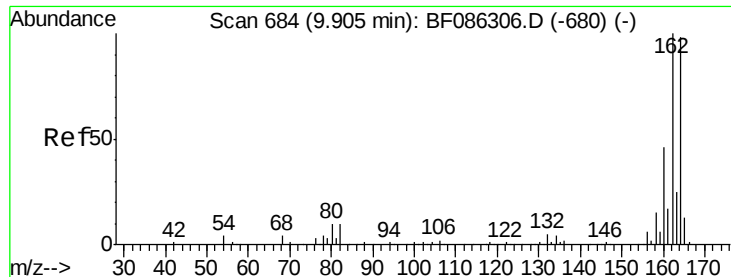
Tgt Ion: 82 Resp: 522047
Ion Ratio Lower Upper
82 100
128 39.1 40.6 61.0#
54 51.6 38.1 57.1



#25
Isophorone
Concen: 22.80 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.26 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion: 82 Resp: 474802
Ion Ratio Lower Upper
82 100
95 0.1 5.1 7.7#
138 0.0 12.4 18.6#

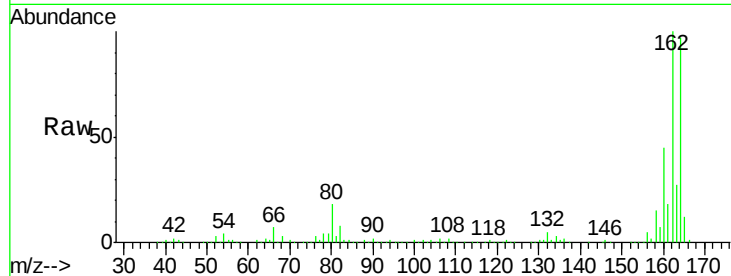




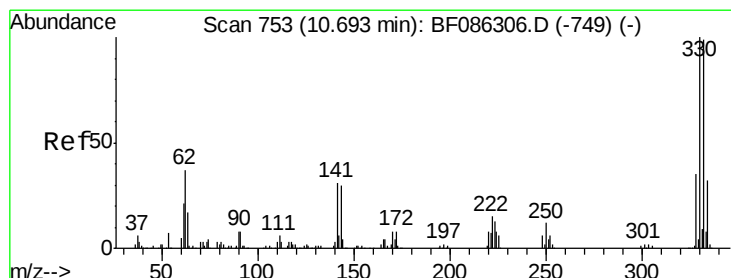
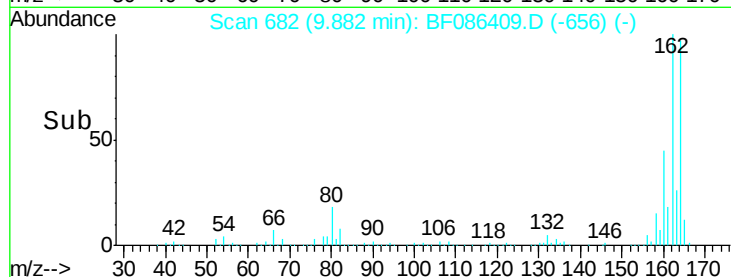
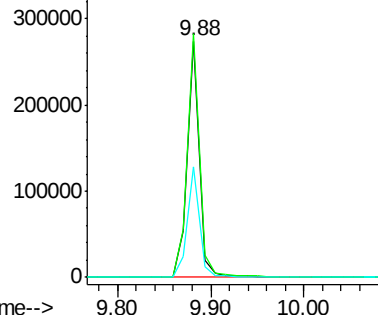
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086409.D
 Acq: 24 Apr 2016 00:14

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B1(0-7.5)-C

Tgt Ion:164 Resp: 249463
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.8 124.2
 160 46.7 36.9 55.3

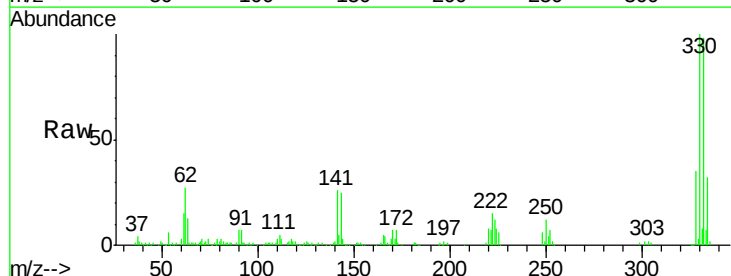


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

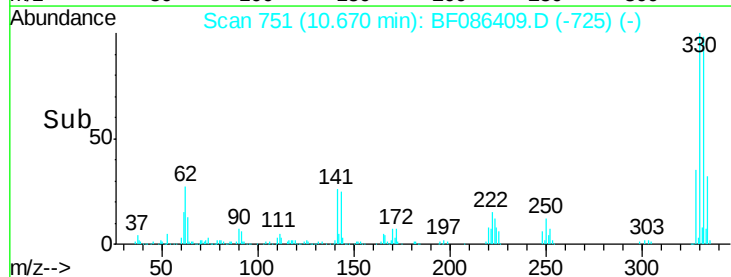
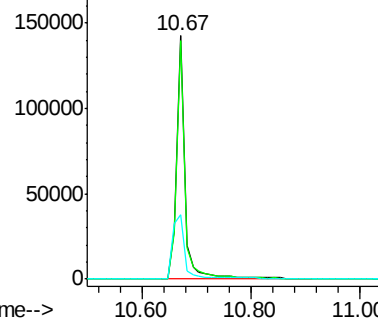


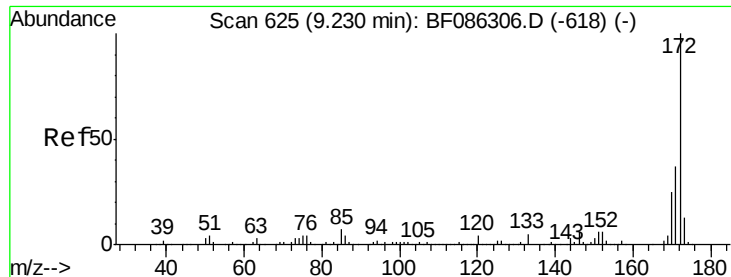
#41
 2,4,6-Tribromophenol
 Concen: 67.40 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086409.D
 Acq: 24 Apr 2016 00:14

Tgt Ion:330 Resp: 152208
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.4
 141 38.2 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

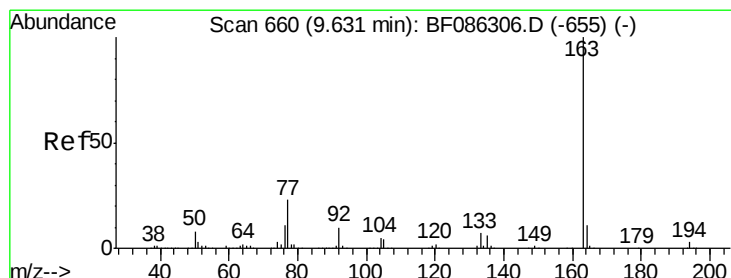
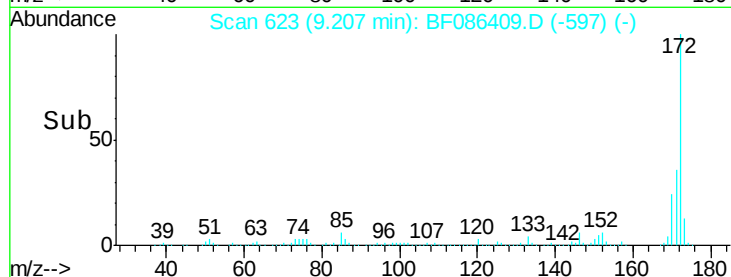
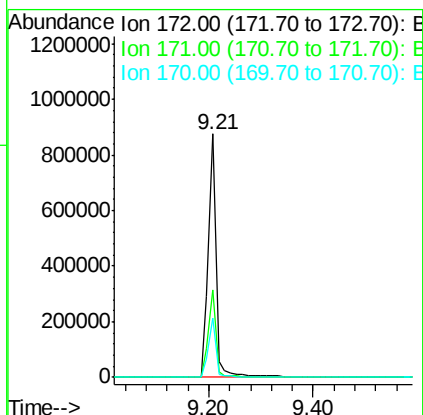
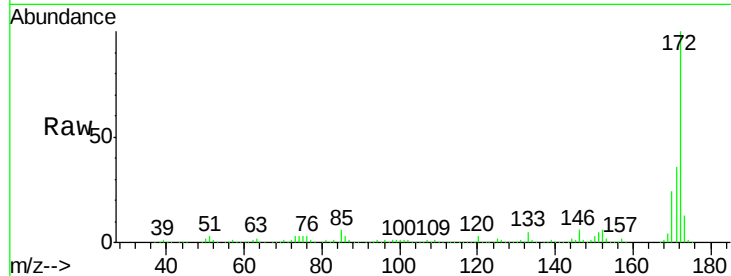




#44
 2-Fluorobiphenyl
 Concen: 63.17 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086409.D
 Acq: 24 Apr 2016 00:14

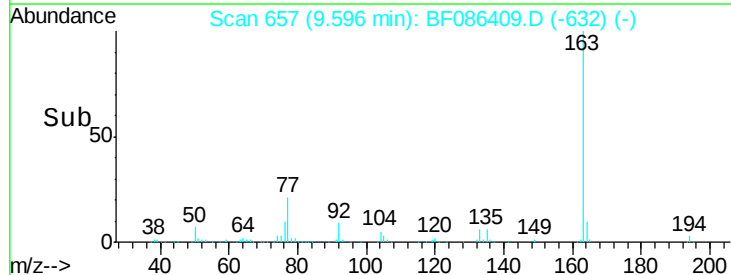
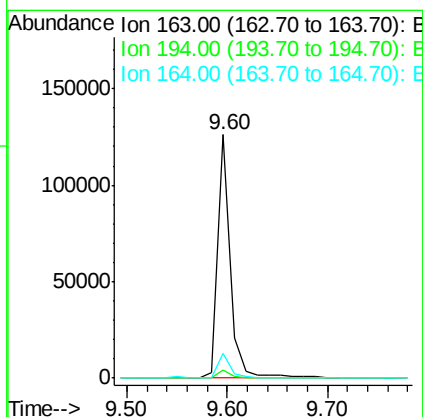
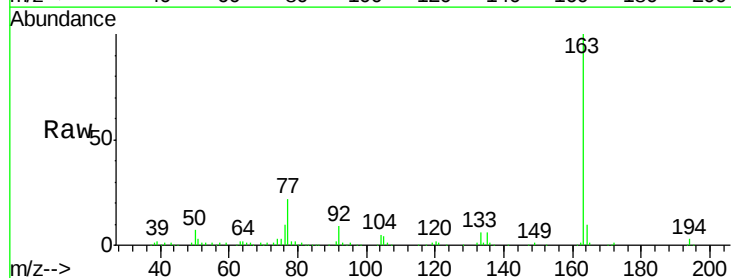
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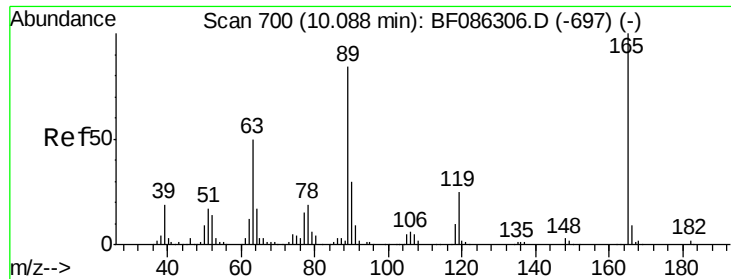
Tgt Ion:172 Resp: 923474
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.4 19.8 29.8



#49
 Dimethylphthalate
 Concen: 6.10 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF086409.D
 Acq: 24 Apr 2016 00:14

Tgt Ion:163 Resp: 109995
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.2 8.2 12.4





#56

2,4-Dinitrotoluene

Concen: 6.15 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.18 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

Tgt Ion:165 Resp: 31767

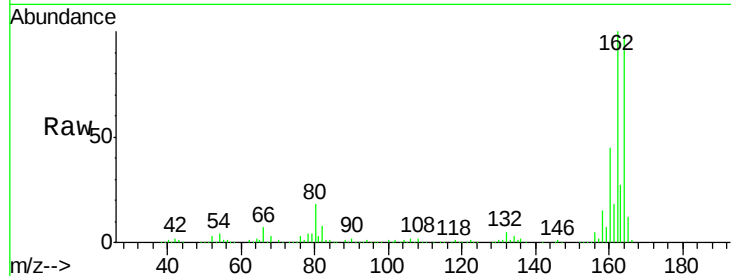
Ion Ratio Lower Upper

165 100

63 1.6 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

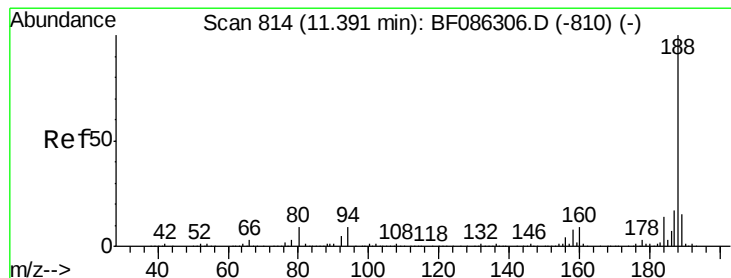
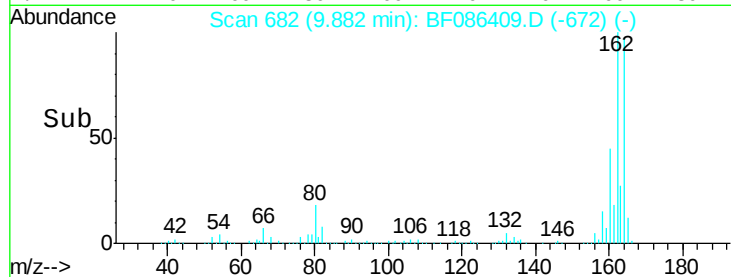
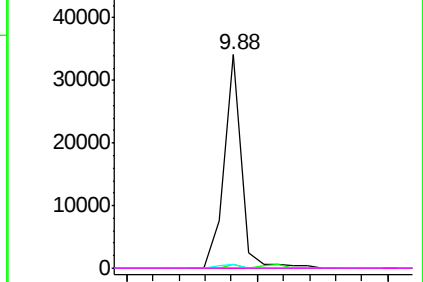


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

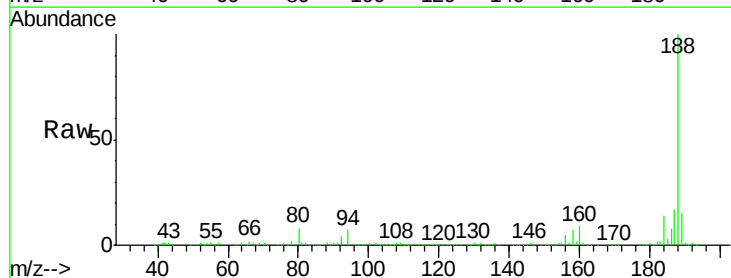
Tgt Ion:188 Resp: 431917

Ion Ratio Lower Upper

188 100

94 7.3 6.8 10.2

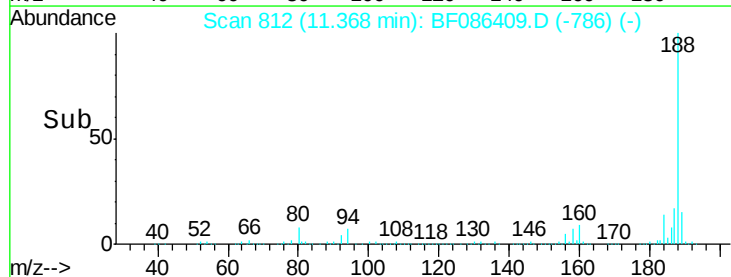
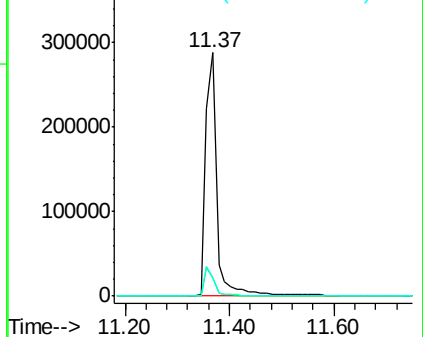
80 7.7 7.1 10.7

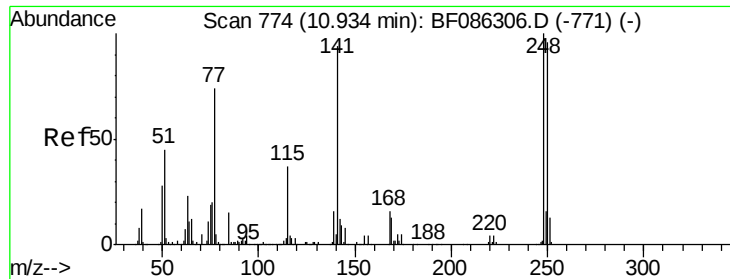


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

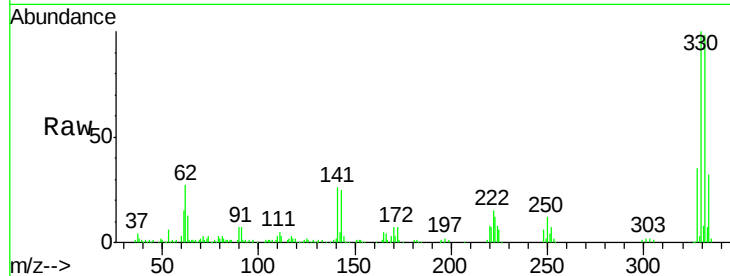




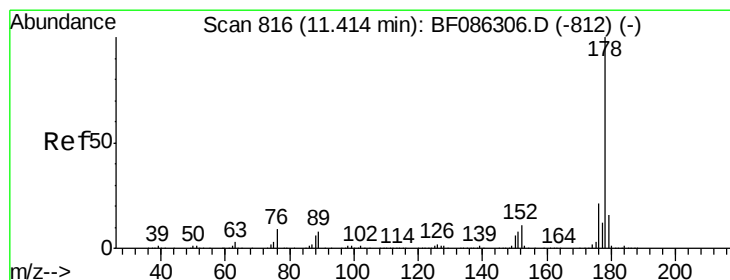
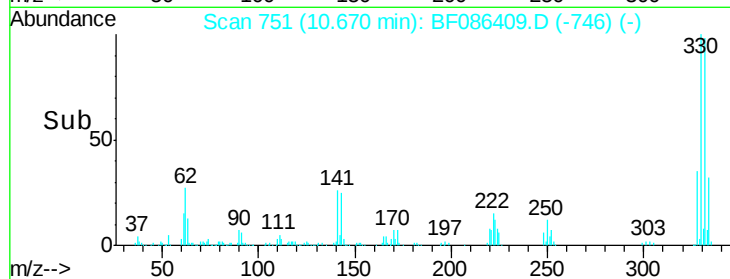
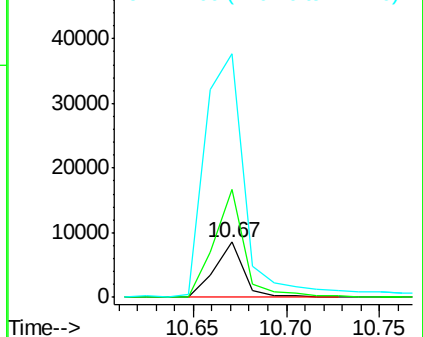
#66
4-Bromophenyl-phenylether
Concen: 2.22 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Instrument :
BNA_F
ClientSampleId :
WPG-B1(0-7.5)-C

Tgt Ion:248 Resp: 9371
Ion Ratio Lower Upper
248 100
250 195.5 78.6 117.8#
141 441.7 76.0 114.0#

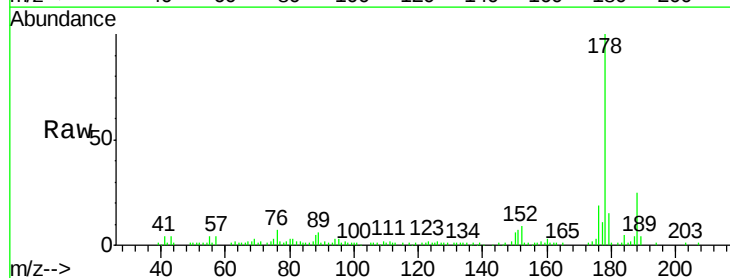


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

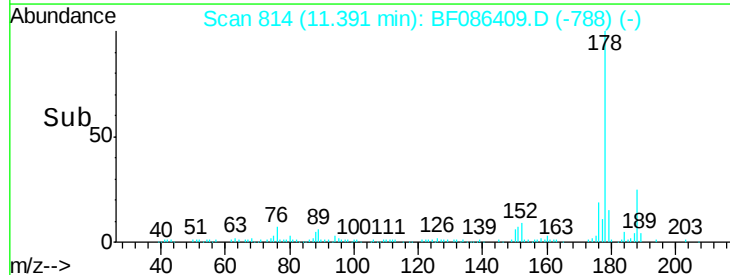
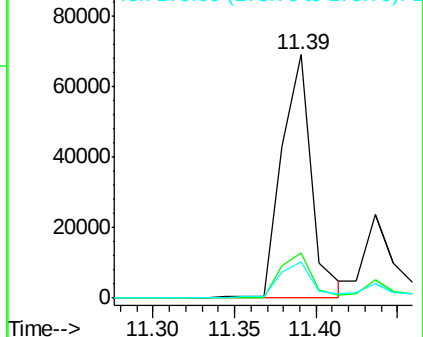


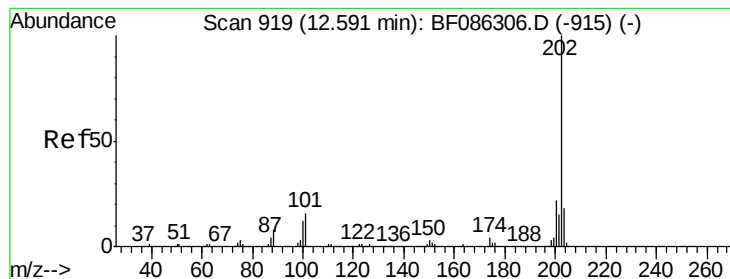
#70
Phenanthrene
Concen: 4.04 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion:178 Resp: 87691
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 14.9 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: 7.94 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

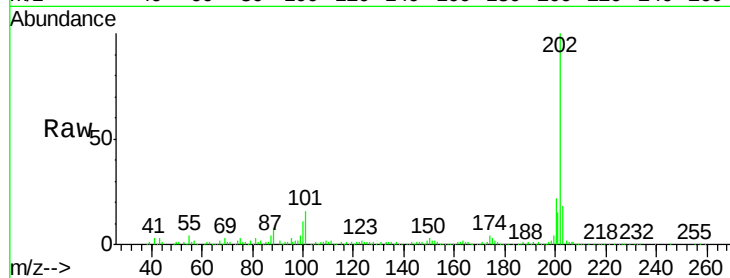
Tgt Ion:202 Resp: 185884

Ion Ratio Lower Upper

202 100

101 16.4 0.0 35.4

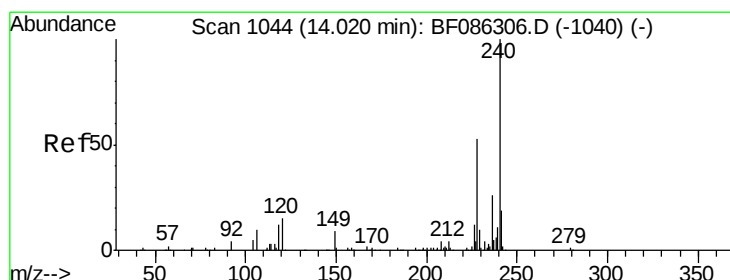
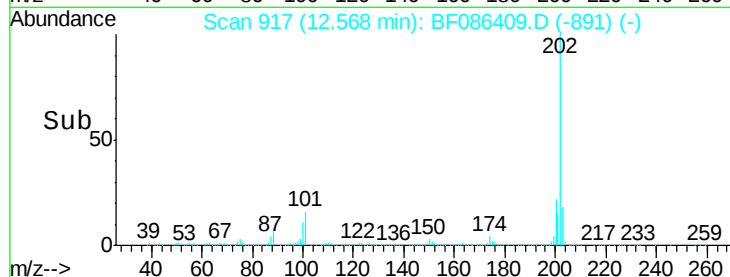
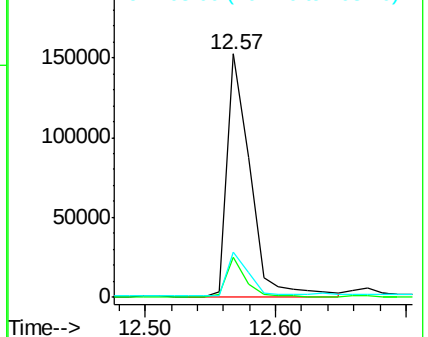
203 18.4 0.0 38.1



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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

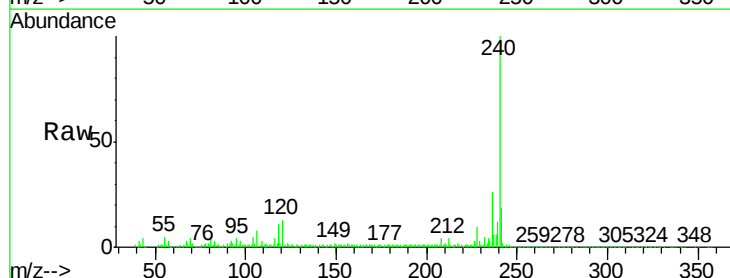
Tgt Ion:240 Resp: 318770

Ion Ratio Lower Upper

240 100

120 13.0 11.2 16.8

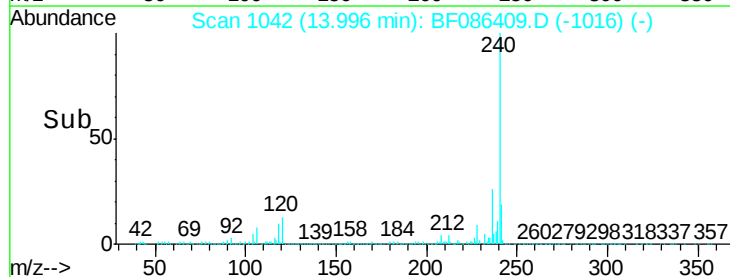
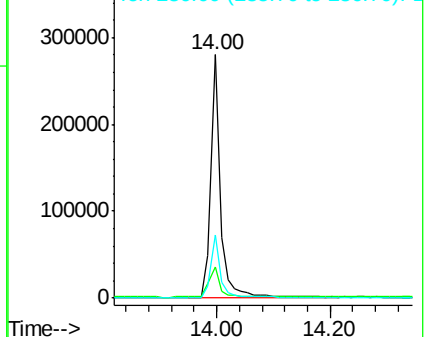
236 26.0 21.2 31.8

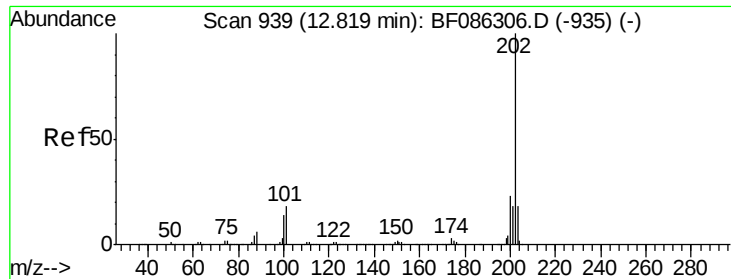


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.01 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

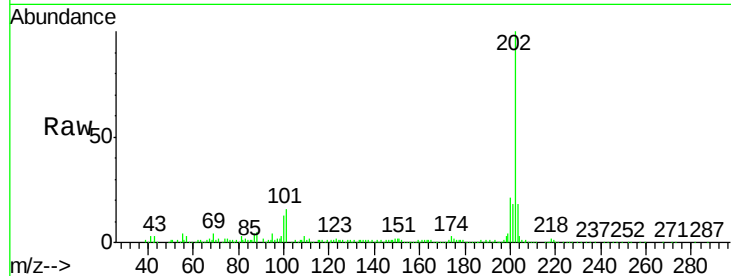
Tgt Ion:202 Resp: 178039

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

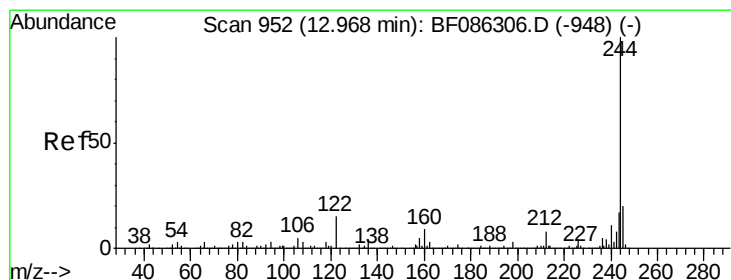
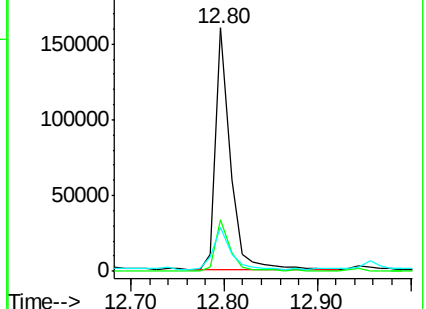
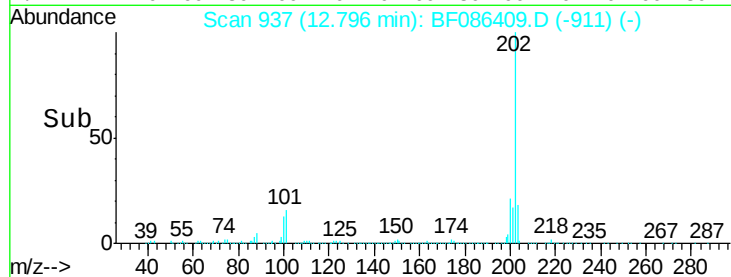
203 18.3 14.2 21.4



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: 52.12 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

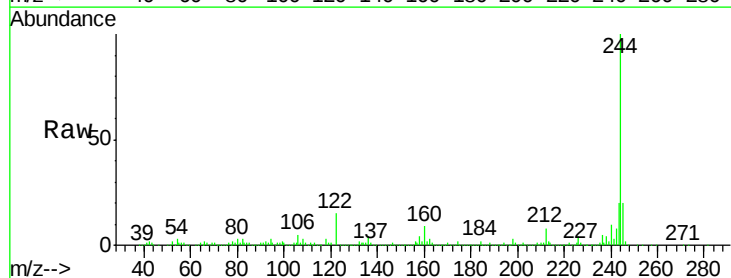
Tgt Ion:244 Resp: 668631

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

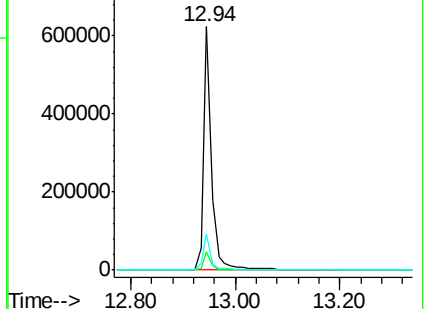
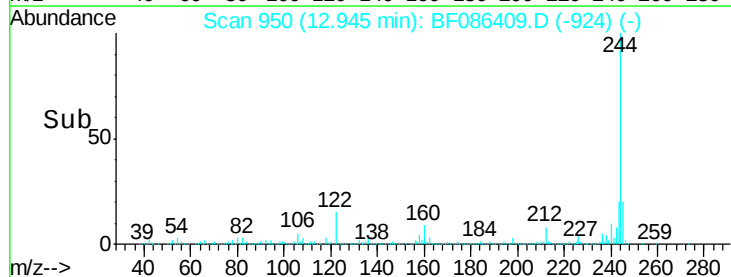
122 14.8 12.0 18.0

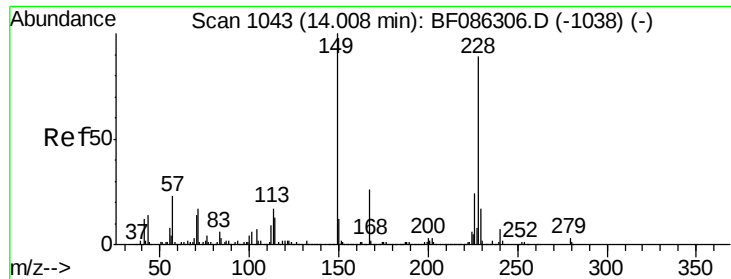


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

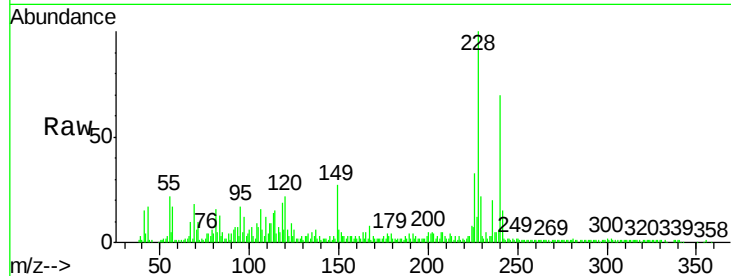




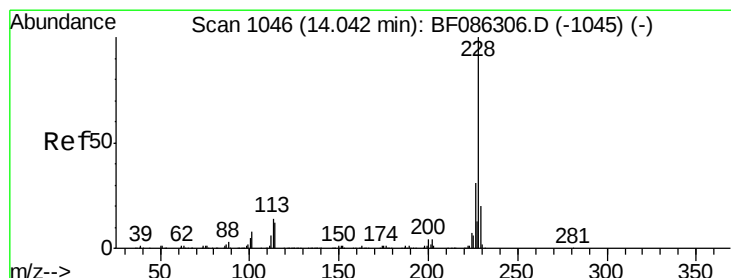
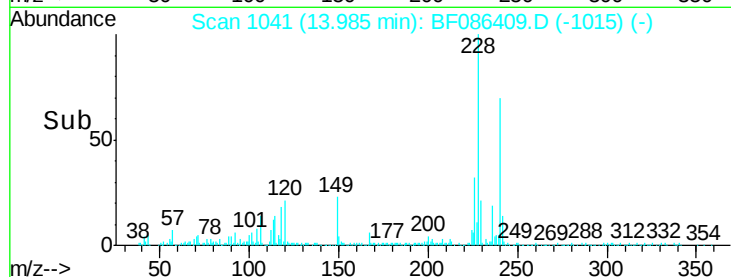
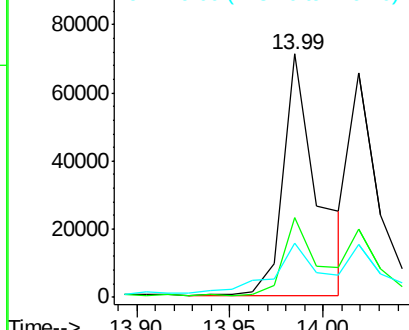
#80
Benzo(a)anthracene
Concen: 5.49 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Instrument :
BNA_F
ClientSampleId :
WPG-B1(0-7.5)-C

Tgt Ion:228 Resp: 90874
Ion Ratio Lower Upper
228 100
226 32.6 22.5 33.7
229 22.5 16.6 25.0

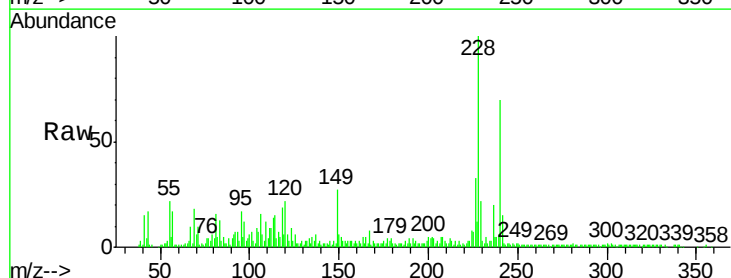


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

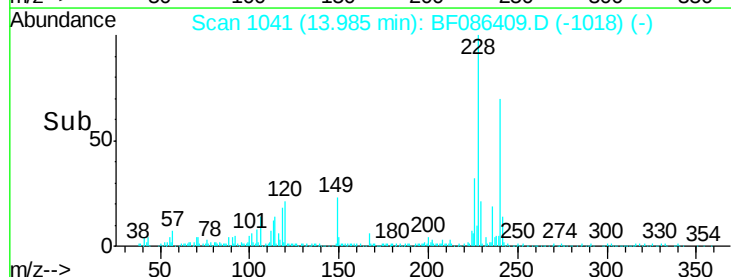
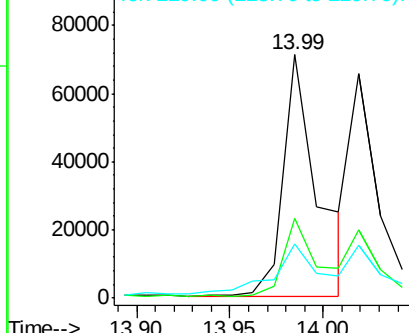


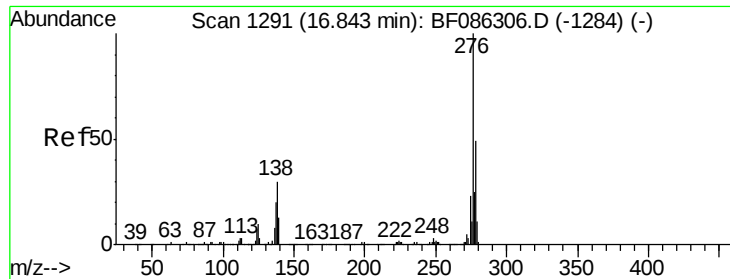
#82
Chrysene
Concen: 4.87 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion:228 Resp: 90874
Ion Ratio Lower Upper
228 100
226 32.6 24.4 36.6
229 22.5 15.8 23.8



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





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 16.81 min Scan# 1288

Delta R.T. 0.02 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

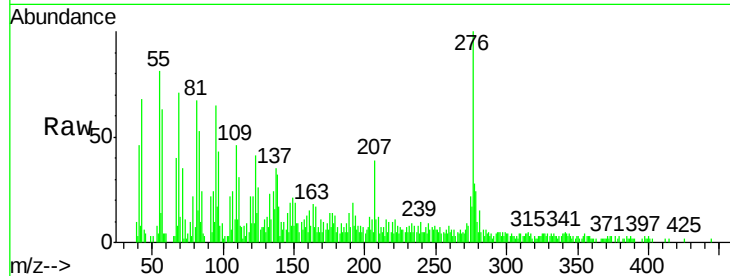
Tgt Ion:276 Resp: 37607

Ion Ratio Lower Upper

276 100

138 31.9 25.6 38.4

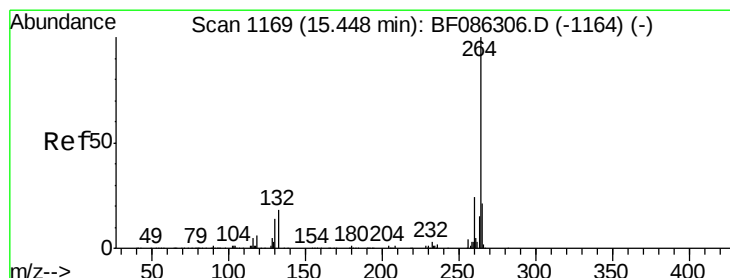
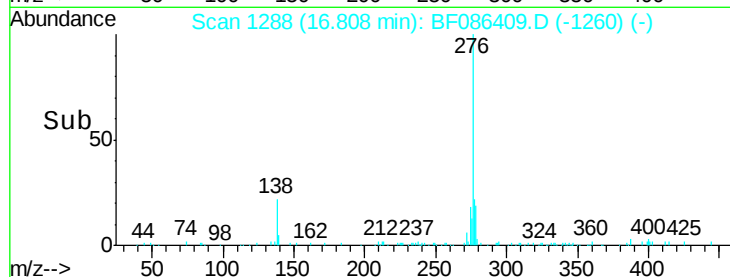
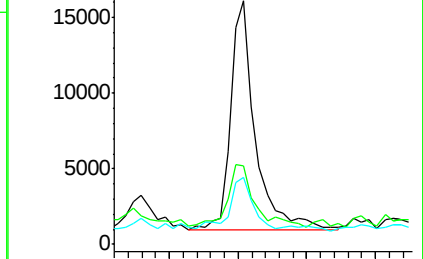
277 21.3 20.5 30.7



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: 15.43 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

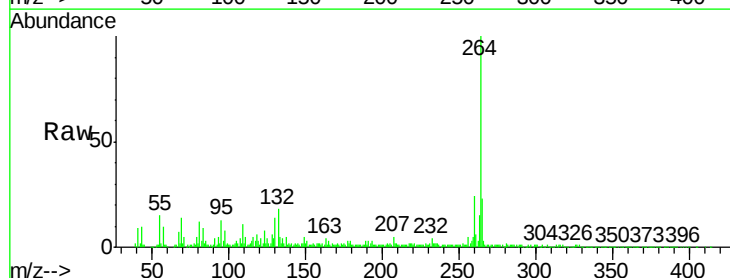
Tgt Ion:264 Resp: 230103

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

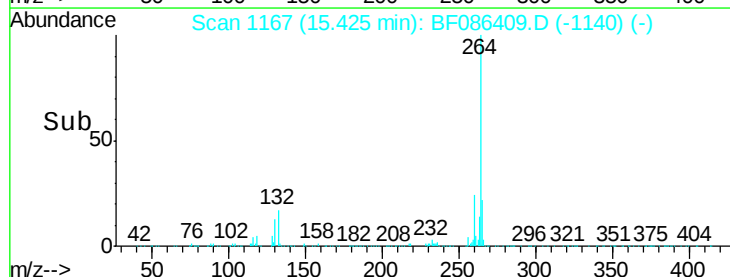
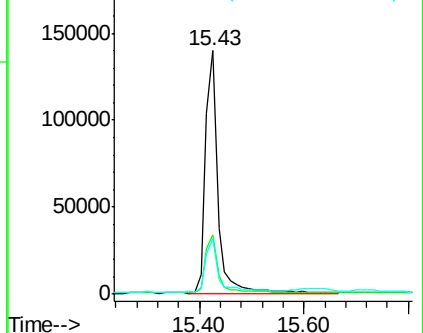
265 22.9 17.3 25.9

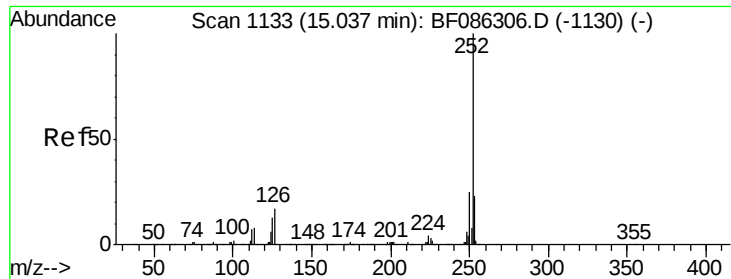


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.22 ng

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

Instrument :

BNA_F

ClientSampleId :

WPG-B1(0-7.5)-C

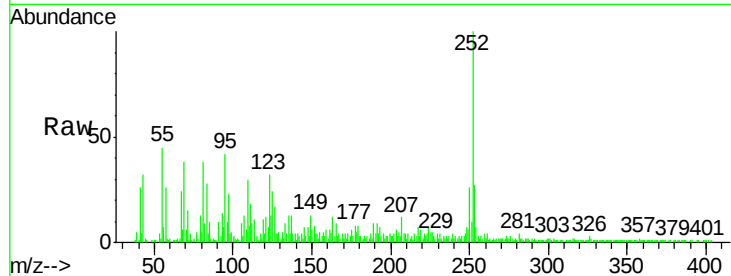
Tgt Ion:252 Resp: 116499

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.6#

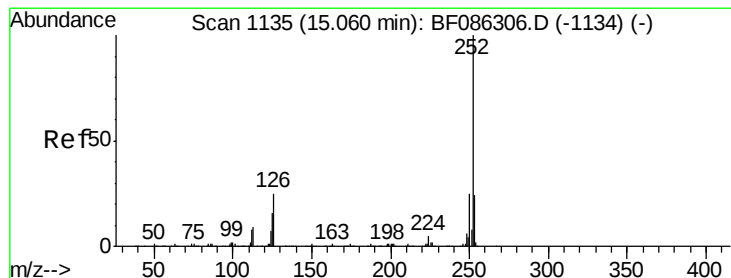
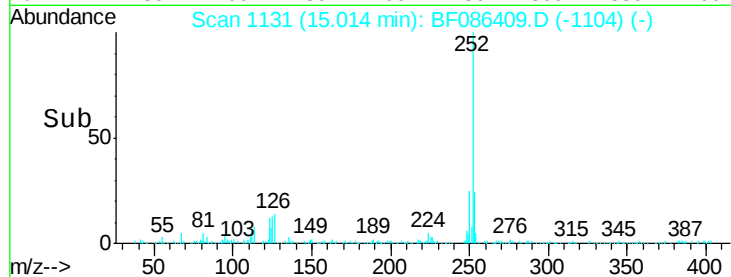
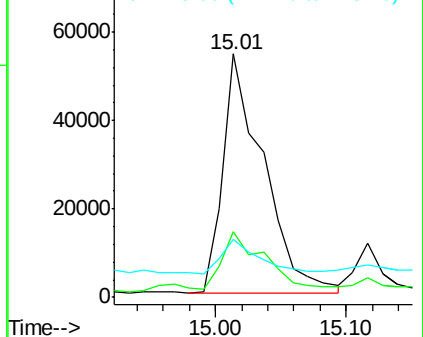
125 23.7 11.4 17.0#



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: 9.40 ng

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF086409.D

Acq: 24 Apr 2016 00:14

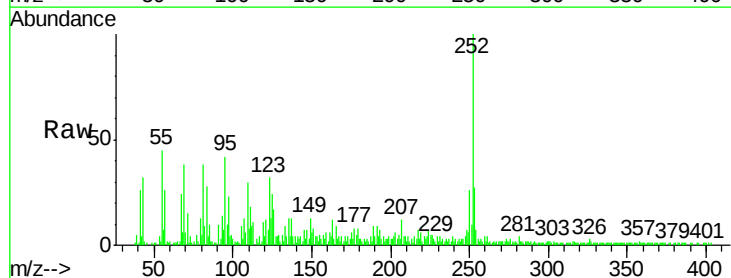
Tgt Ion:252 Resp: 116499

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.6#

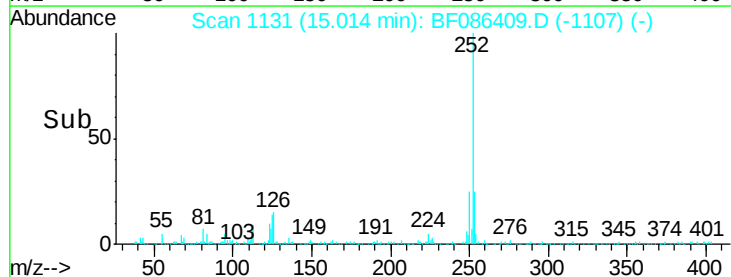
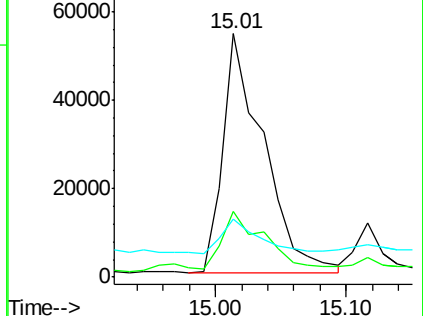
125 23.7 9.1 13.7#

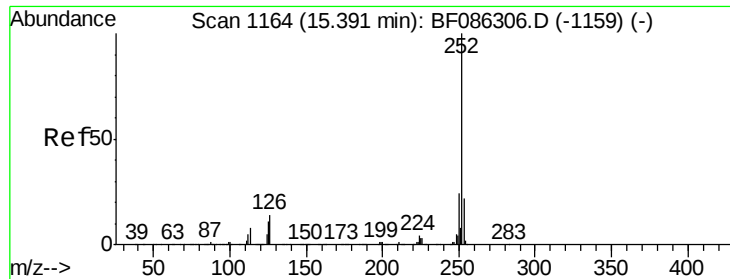


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

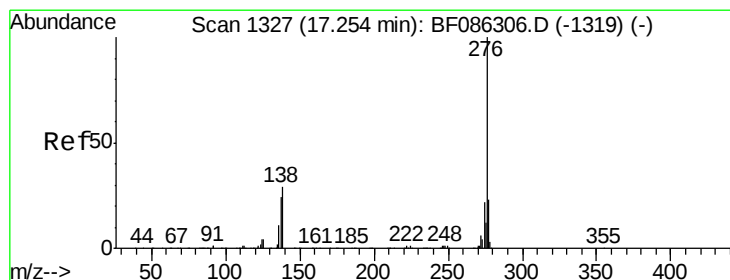
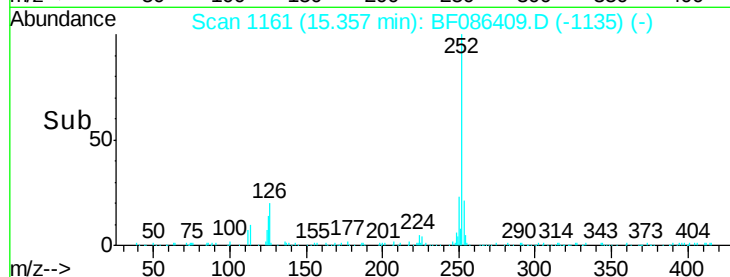
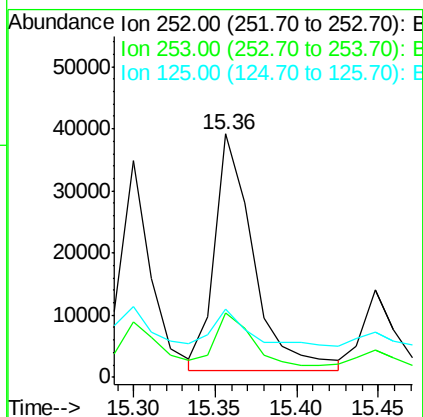
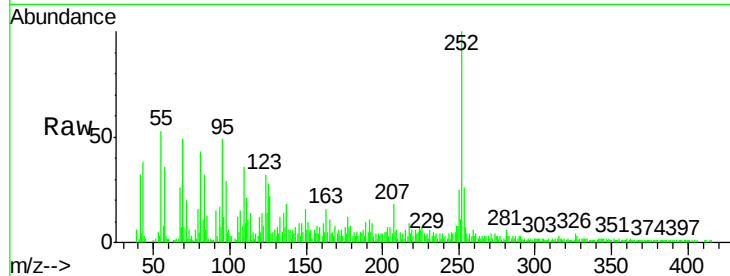




#89
Benzo(a)pyrene
Concen: 5.06 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Instrument :
BNA_F
ClientSampleId :
WPG-B1(0-7.5)-C

Tgt Ion: 252 Resp: 63085
Ion Ratio Lower Upper
252 100
253 26.3 17.2 25.8#
125 28.2 9.0 13.6#



#91
Benzo(g,h,i)perylene
Concen: 3.45 ng
RT: 17.22 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF086409.D
Acq: 24 Apr 2016 00:14

Tgt Ion: 276 Resp: 36633
Ion Ratio Lower Upper
276 100
277 29.3 19.6 29.4
138 31.5 23.6 35.4

