

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086406.D
 Acq On : 23 Apr 2016 22:48
 Operator : UM/SJ
 Sample : H2652-05
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

Quant Time: Apr 25 00:58:29 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	176847	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	671225	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	282002	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	455732	20.00	ng	0.00
75) Chrysene-d12	14.00	240	345091	20.00	ng	0.00
86) Perylene-d12	15.41	264	253807	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1034559	101.03	ng	0.02
7) Phenol-d6	6.48	99	1184729	85.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	729671	64.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	220526	86.39	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1261124	76.31	ng	0.00
78) Terphenyl-d14	12.94	244	877794	63.20	ng	0.00

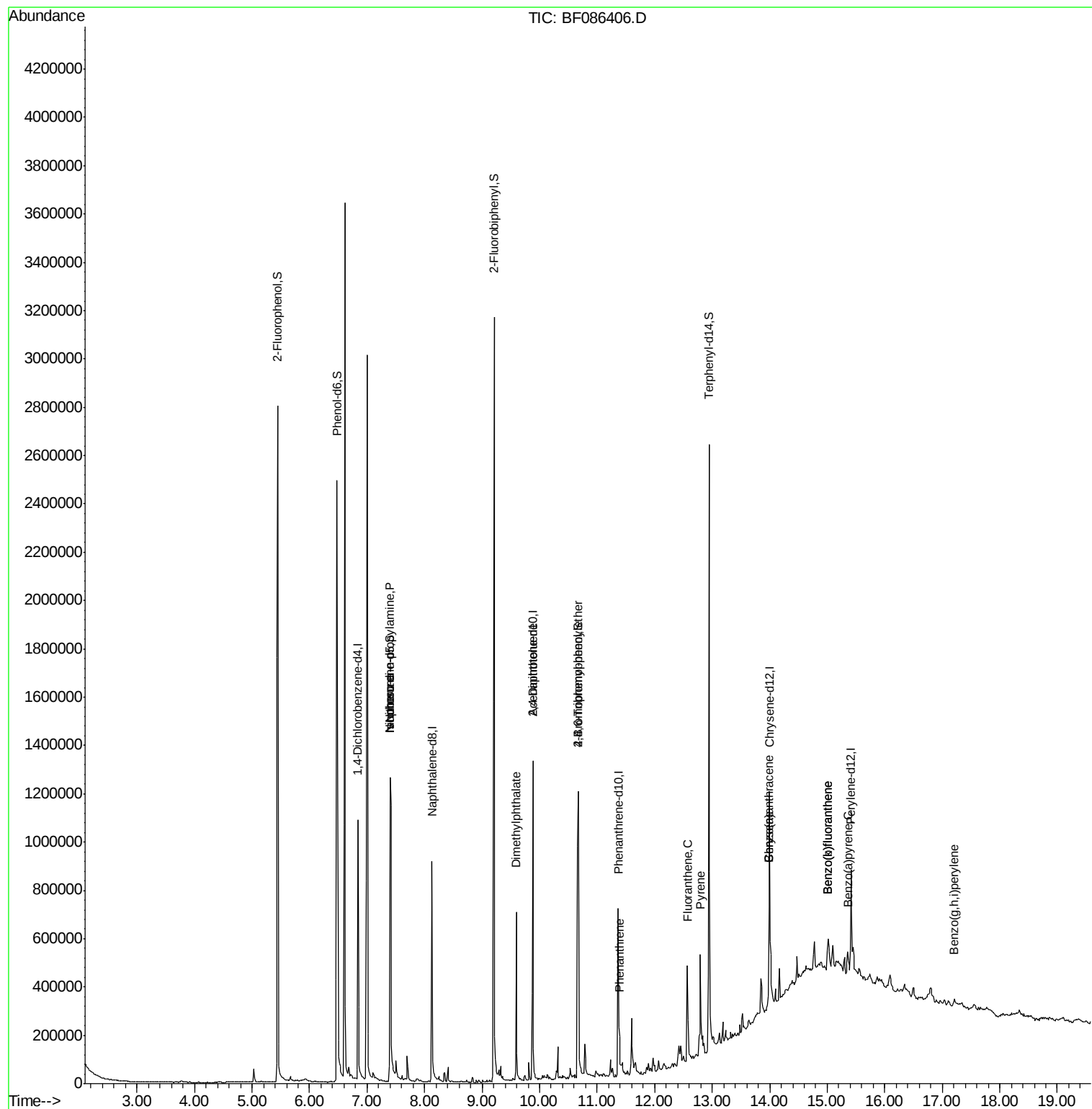
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	89033	10.70	ng	# 82
25) Isophorone	7.40	82	670228	30.18	ng	# 68
49) Dimethylphthalate	9.60	163	278308	13.66	ng	99
56) 2,4-Dinitrotoluene	9.88	165	35117	6.01	ng	# 16
66) 4-Bromophenyl-phenylether	10.67	248	13197	2.96	ng	# 1
70) Phenanthrene	11.39	178	73437	3.21	ng	98
74) Fluoranthene	12.57	202	195208	7.90	ng	99
77) Pyrene	12.80	202	190503	7.92	ng	98
80) Benzo(a)anthracene	13.98	228	88432	4.94	ng	98
82) Chrysene	13.98	228	88432	4.38	ng	96
87) Benzo(b)fluoranthene	15.01	252	105524	7.57	ng	# 91
88) Benzo(k)fluoranthene	15.01	252	105524	7.72	ng	# 89
89) Benzo(a)pyrene	15.36	252	56856	4.14	ng	# 86
91) Benzo(g,h,i)perylene	17.21	276	33307	2.85	ng	94

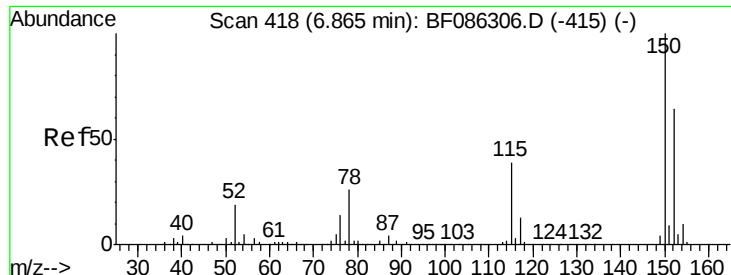
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

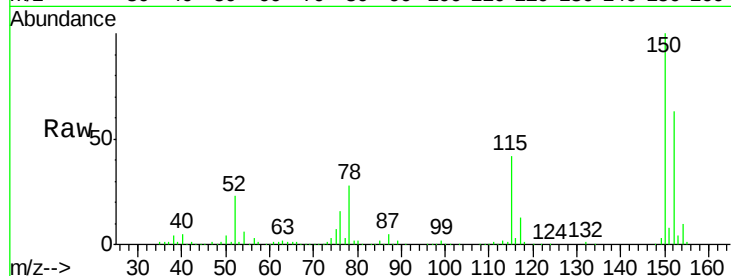
Tgt Ion:152 Resp: 176847

Ion Ratio Lower Upper

152 100

150 158.6 125.8 188.6

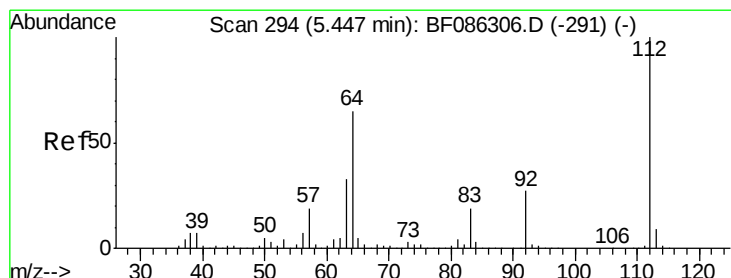
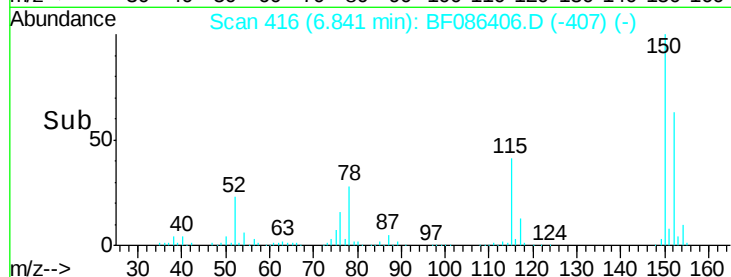
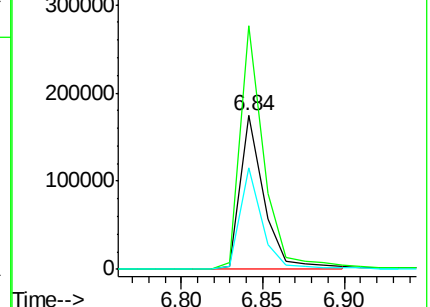
115 66.0 51.5 77.3



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: 101.03 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.02 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

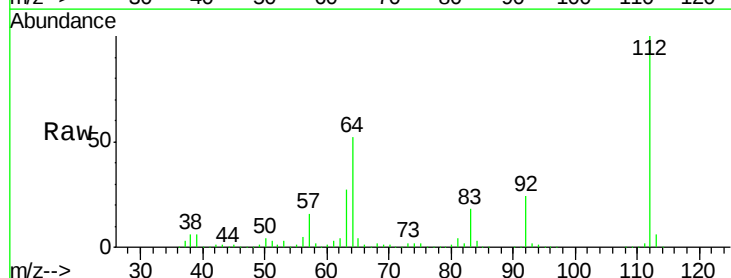
Tgt Ion:112 Resp: 1034559

Ion Ratio Lower Upper

112 100

64 52.5 52.1 78.1

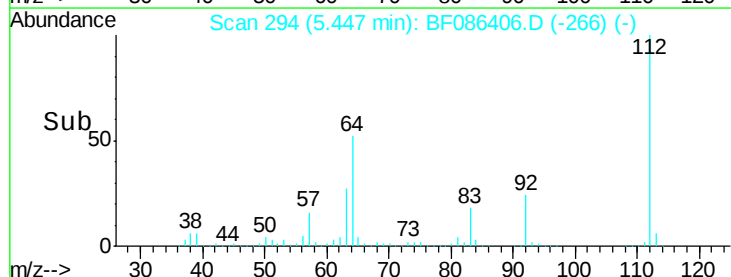
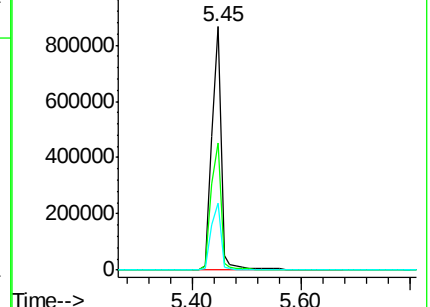
63 27.3 25.7 38.5

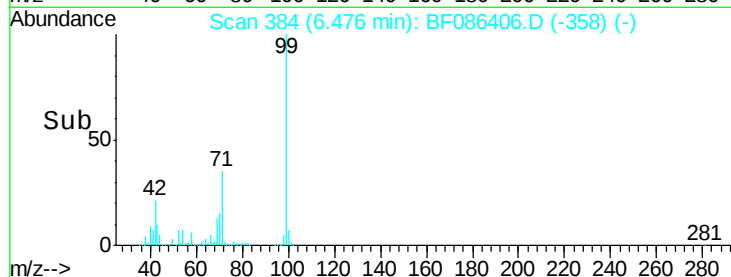
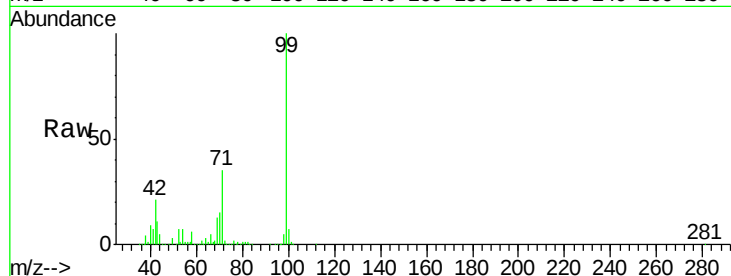
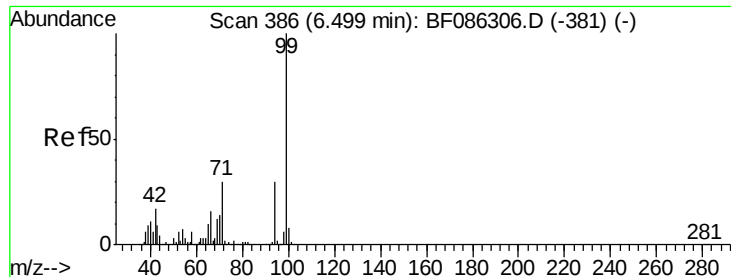


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.10 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

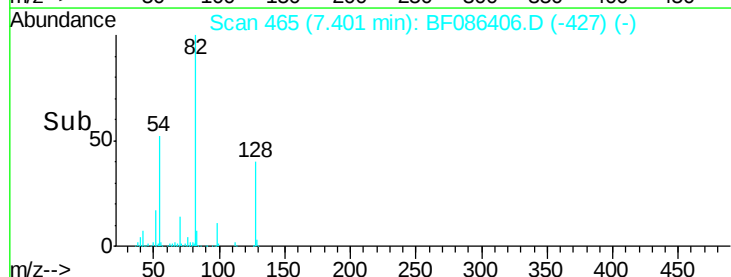
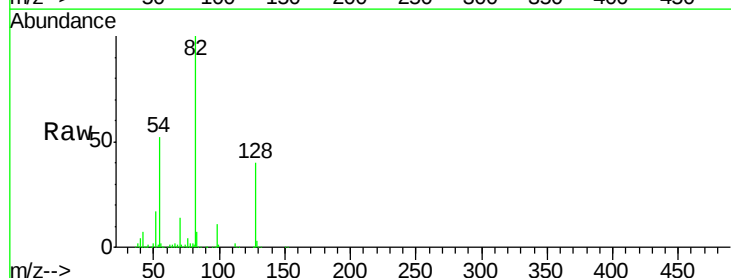
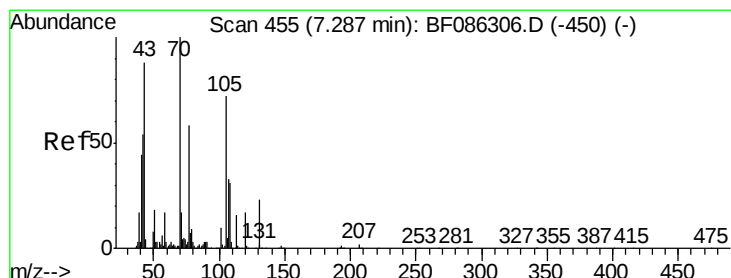
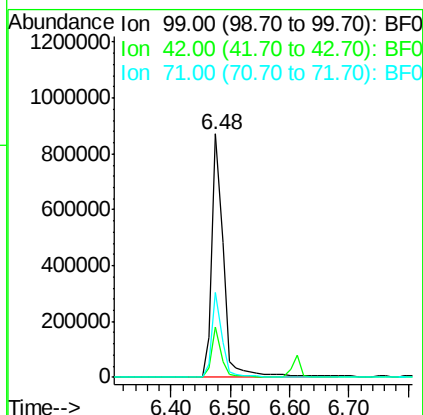
Tgt Ion: 99 Resp: 1184729

Ion Ratio Lower Upper

99 100

42 20.8 13.6 20.4#

71 34.8 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 10.70 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Tgt Ion: 70 Resp: 89033

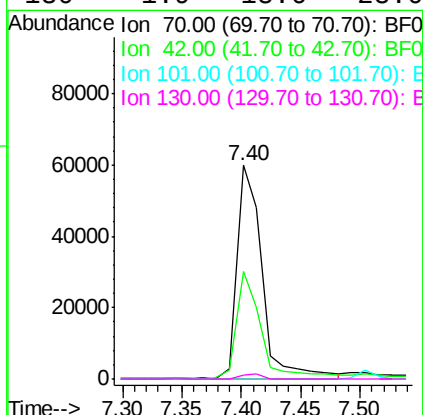
Ion Ratio Lower Upper

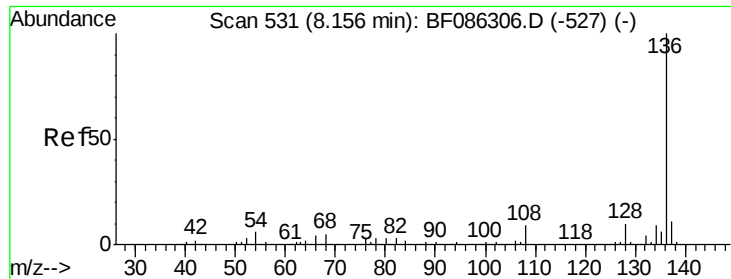
70 100

42 50.1 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

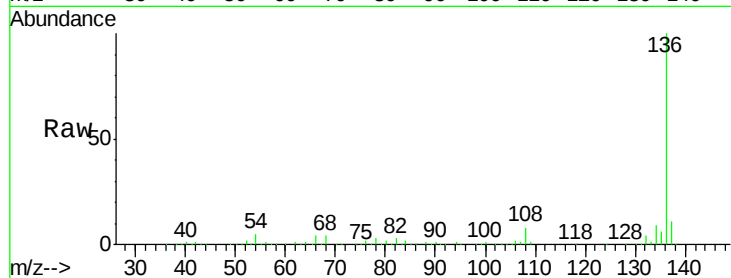




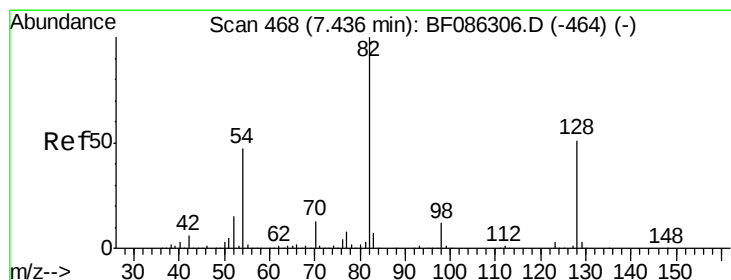
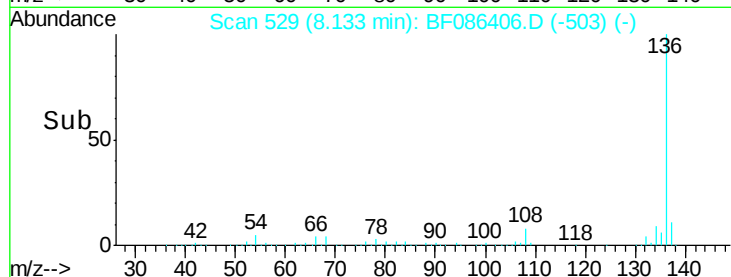
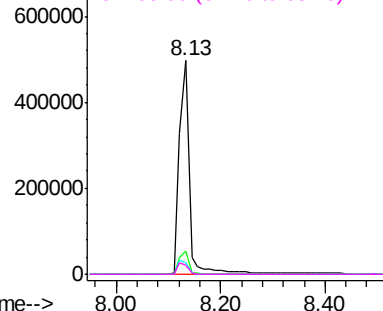
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

Tgt Ion:	136	Resp:	671225
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.2	5.0	7.4
68	4.5	4.4	6.6

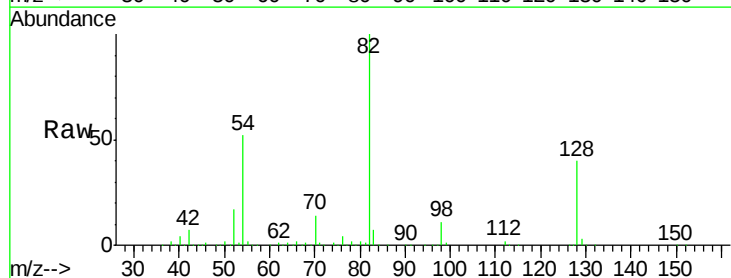


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

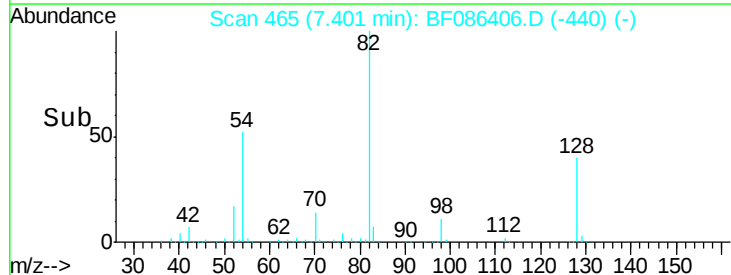
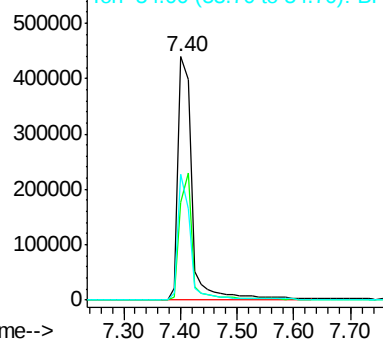


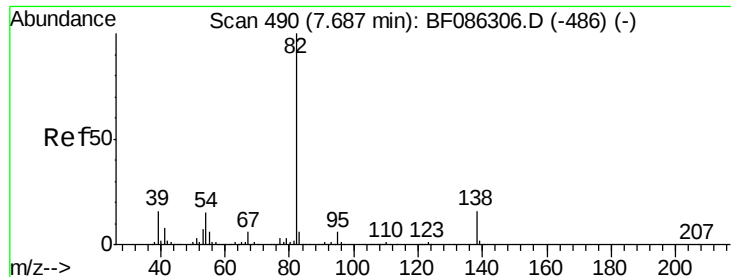
#23
Nitrobenzene-d5
Concen: 64.40 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion:	82	Resp:	729671
Ion	Ratio	Lower	Upper
82	100		
128	40.1	40.6	61.0#
54	51.7	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: 30.18 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

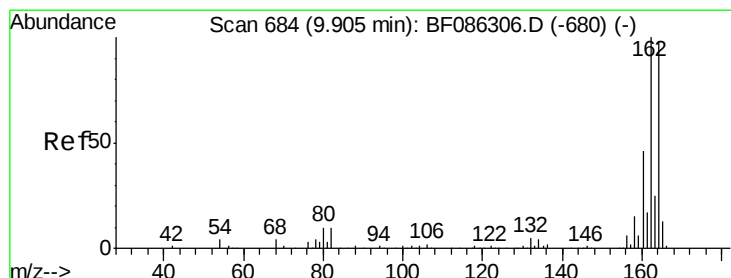
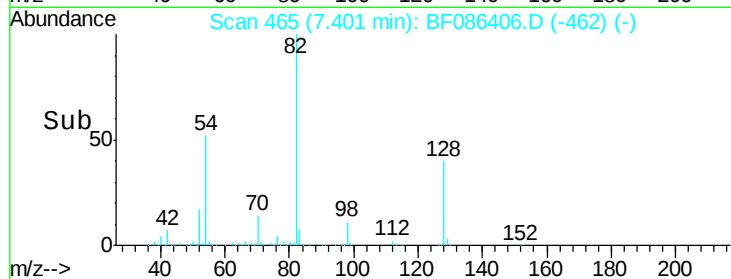
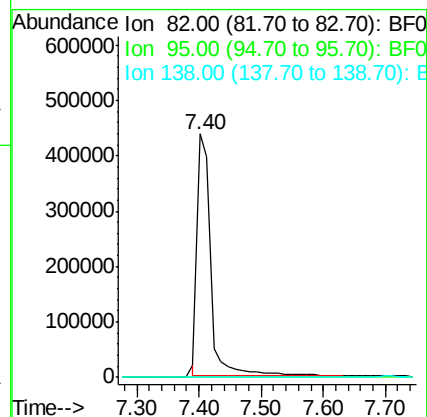
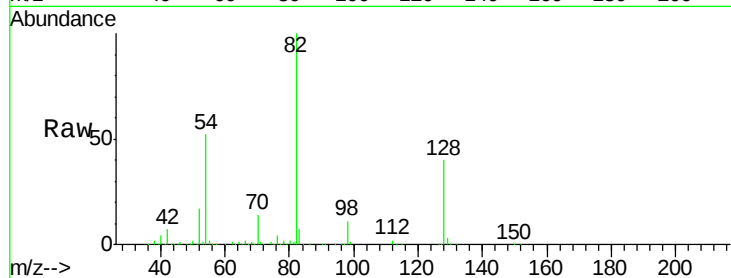
Tgt Ion: 82 Resp: 670228

Ion Ratio Lower Upper

82 100

95 0.0 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: BF086406.D

Acq: 23 Apr 2016 22:48

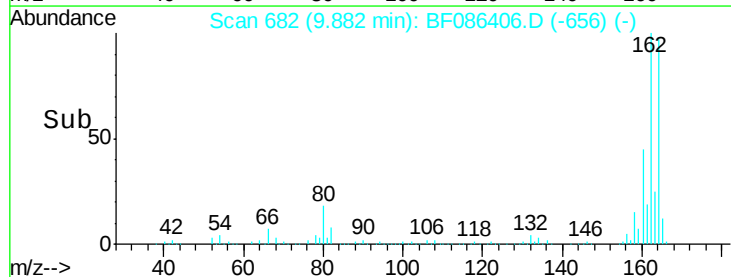
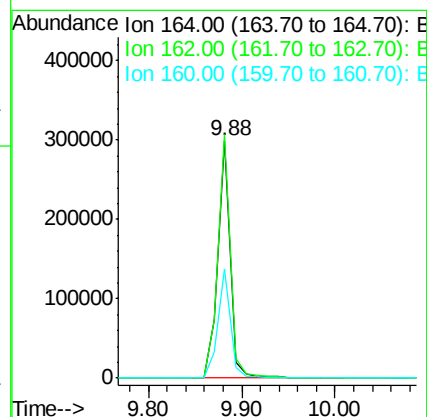
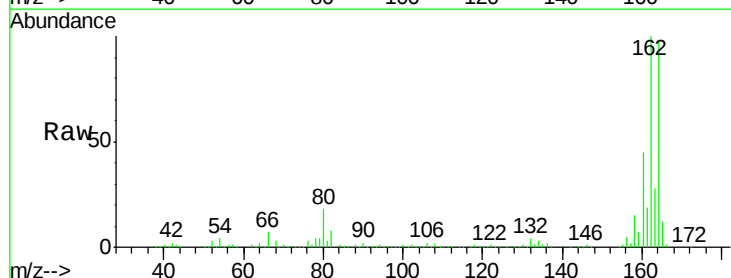
Tgt Ion: 164 Resp: 282002

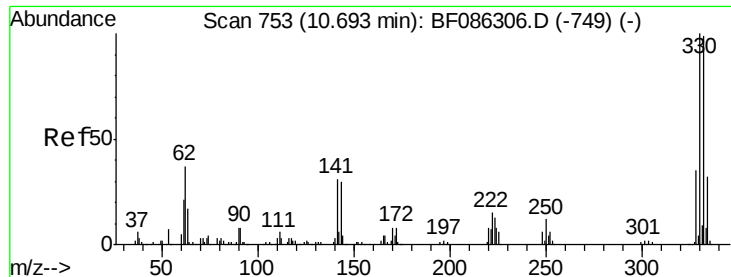
Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

160 45.9 36.9 55.3

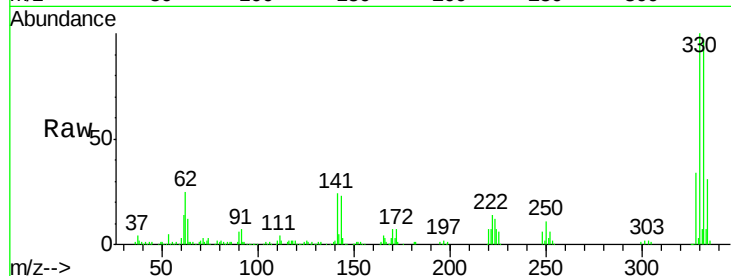




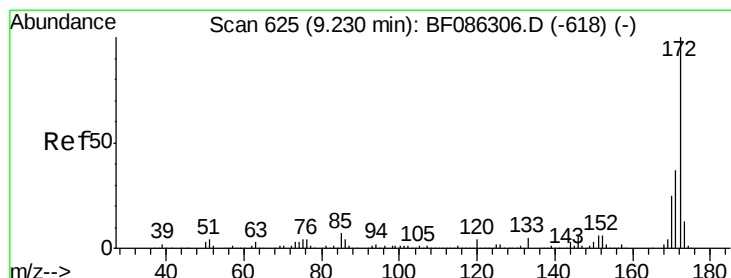
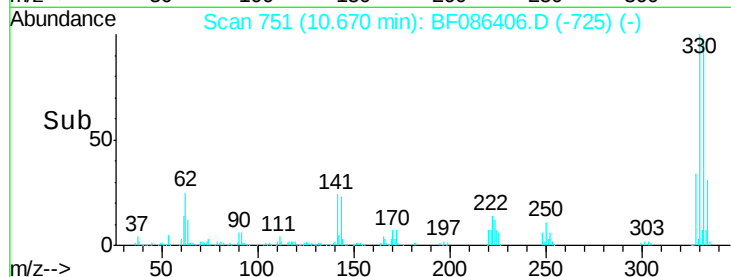
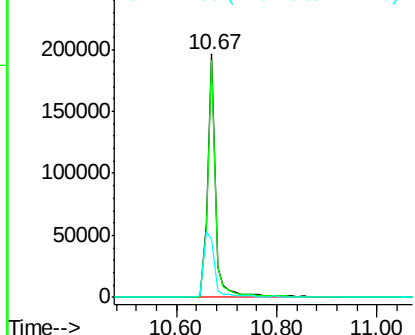
#41
 2,4,6-Tribromophenol
 Concen: 86.39 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

Tgt Ion:330 Resp: 220526
 Ion Ratio Lower Upper
 330 100
 332 95.3 79.0 118.4
 141 36.8 31.2 46.8

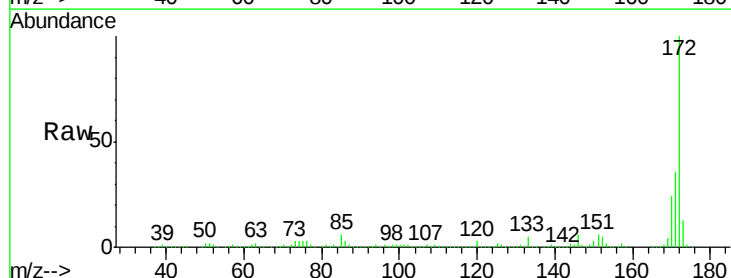


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

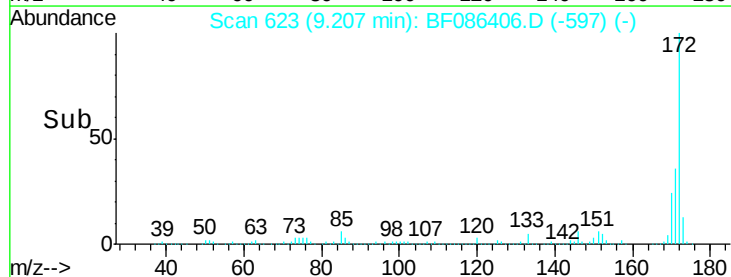
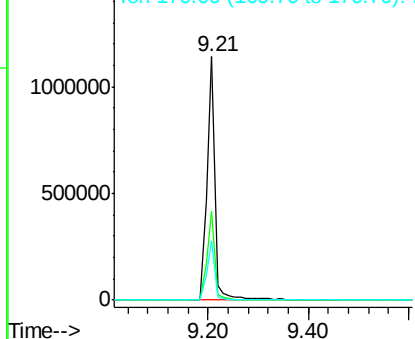


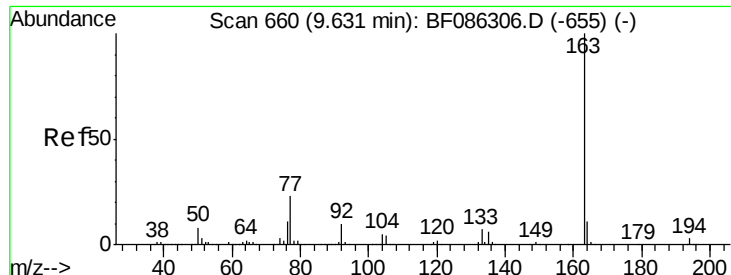
#44
 2-Fluorobiphenyl
 Concen: 76.31 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Tgt Ion:172 Resp: 1261124
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.2 19.8 29.8



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





#49

Dimethylphthalate

Concen: 13.66 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

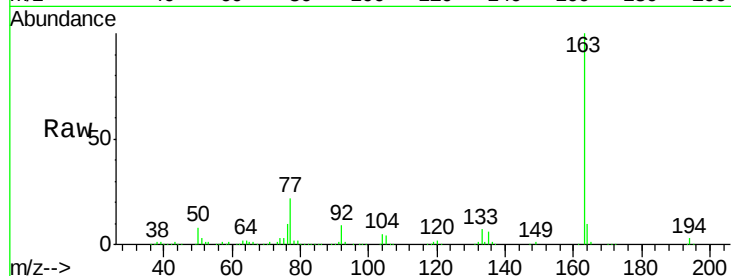
Tgt Ion:163 Resp: 278308

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

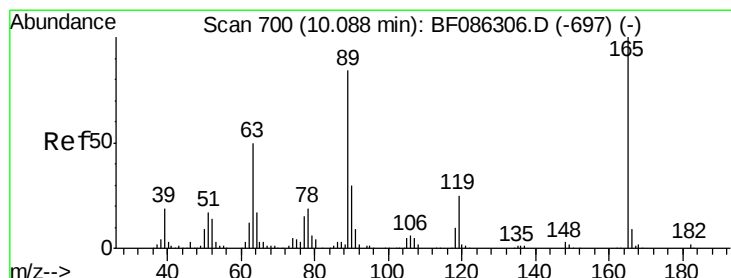
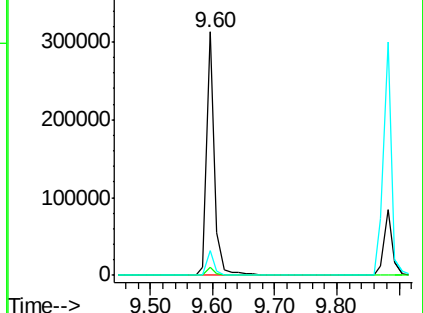
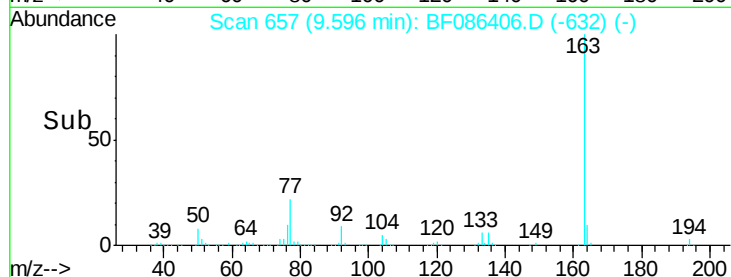
164 9.9 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.18 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Tgt Ion:165 Resp: 35117

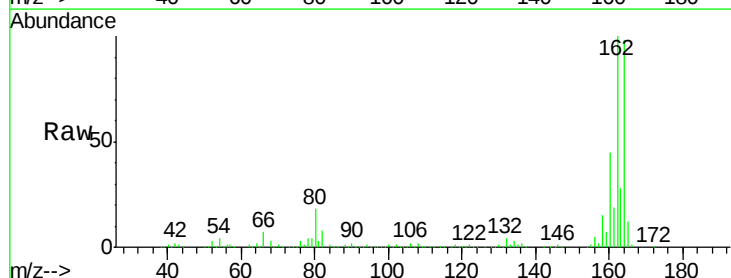
Ion Ratio Lower Upper

165 100

63 1.4 44.3 66.5#

89 1.5 70.0 105.0#

182 0.0 1.8 2.6#

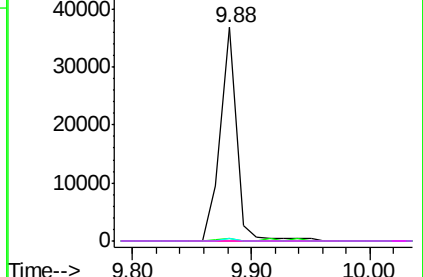
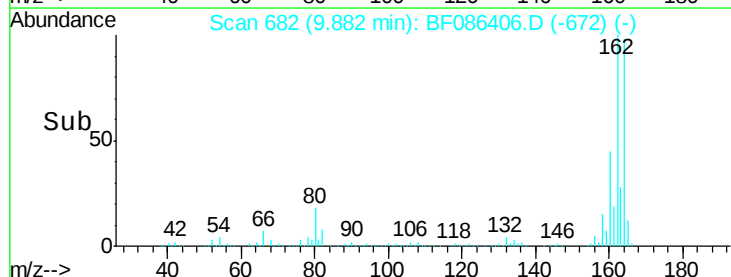


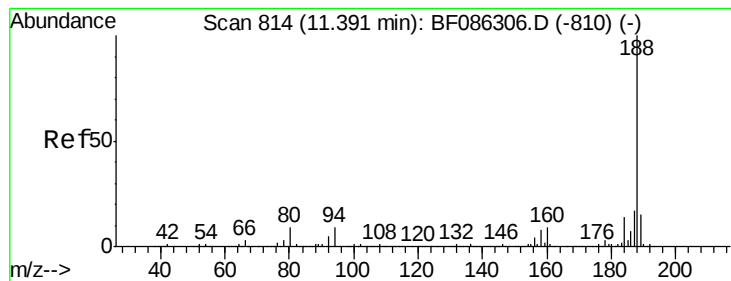
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

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WPG-B16(0-4)-C

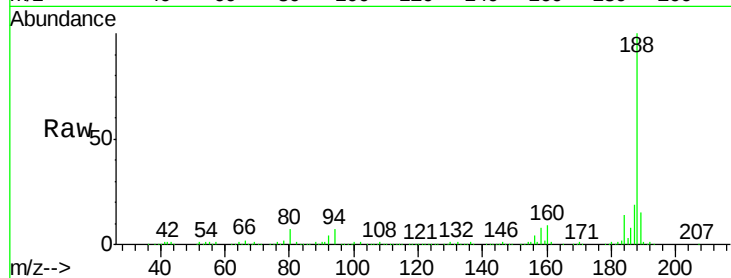
Tgt Ion:188 Resp: 455732

Ion Ratio Lower Upper

188 100

94 7.1 6.8 10.2

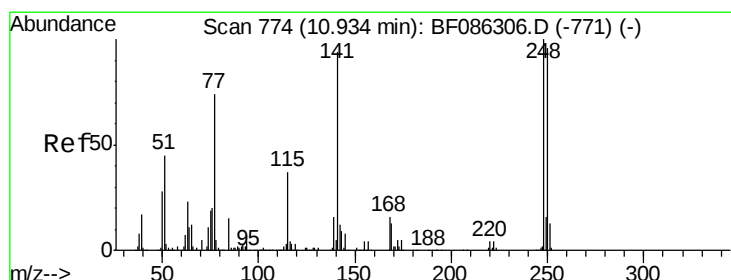
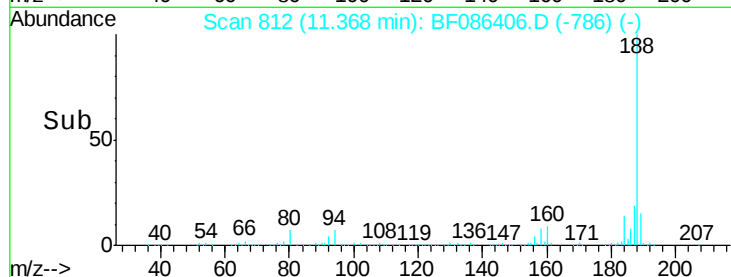
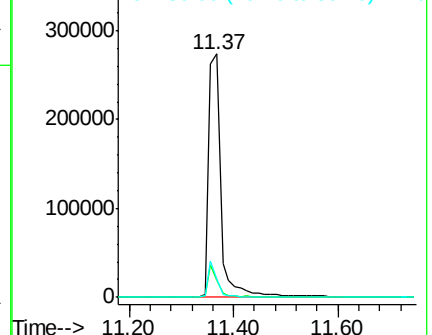
80 7.4 7.1 10.7



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: 2.96 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.24 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

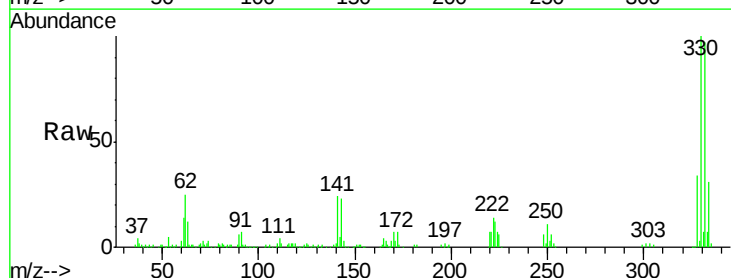
Tgt Ion:248 Resp: 13197

Ion Ratio Lower Upper

248 100

250 193.9 78.6 117.8#

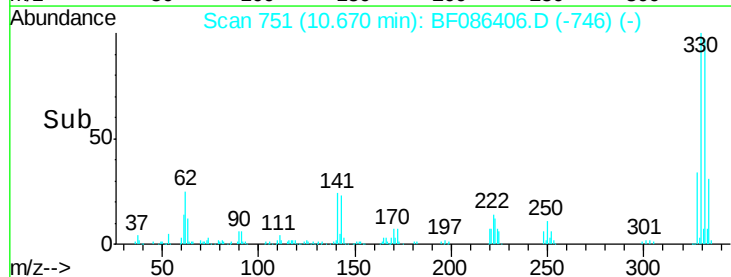
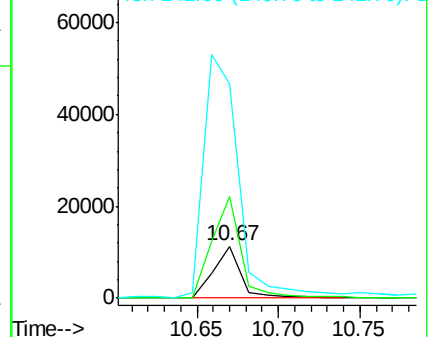
141 412.8 76.0 114.0#

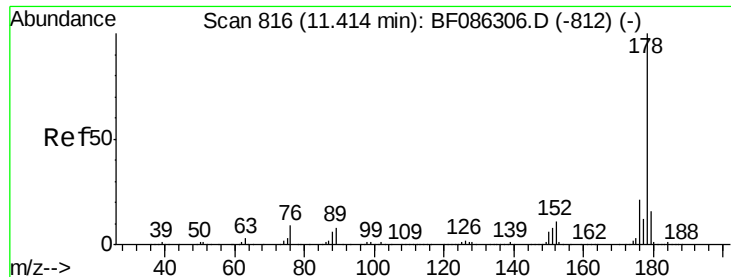


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

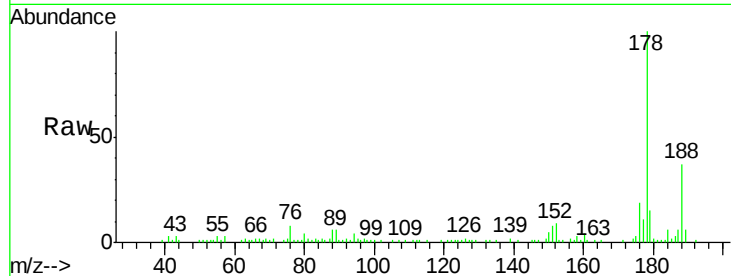




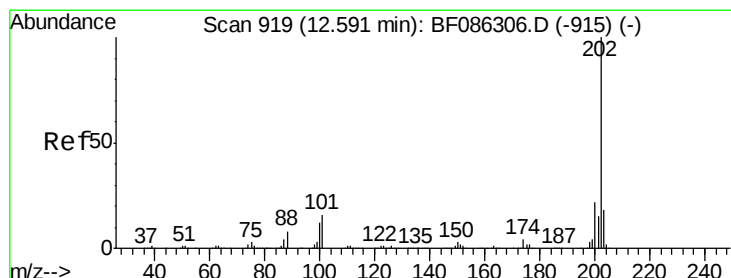
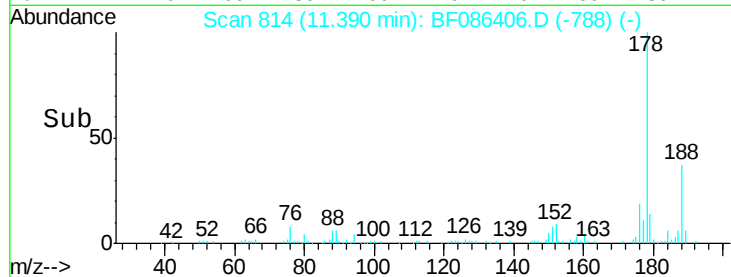
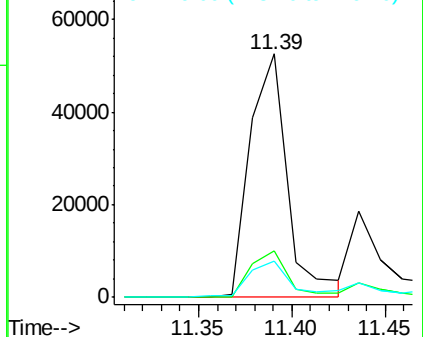
#70
Phenanthrene
Concen: 3.21 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

Tgt Ion:178 Resp: 73437
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.0 12.6 18.8

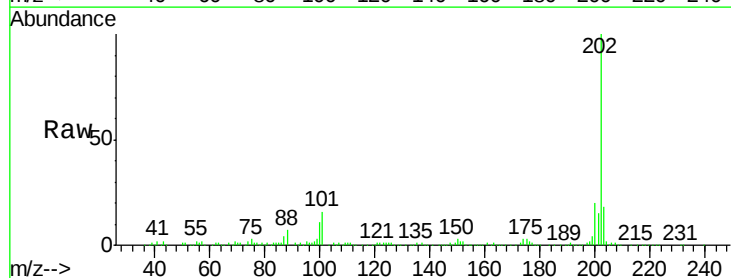


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

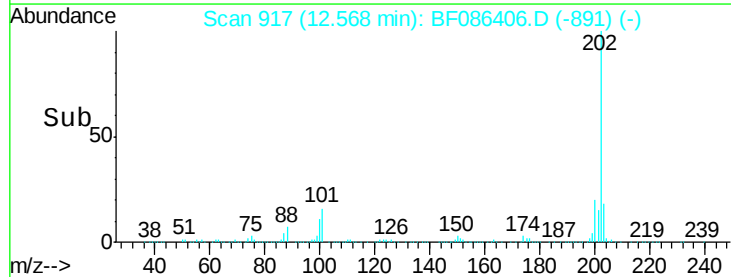
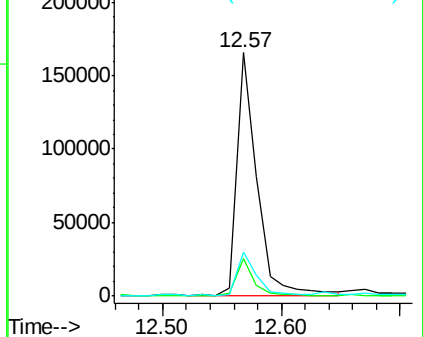


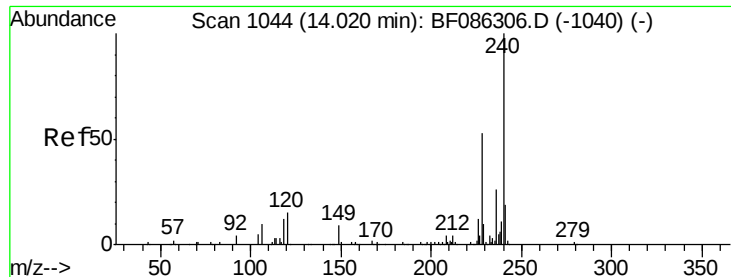
#74
Fluoranthene
Concen: 7.90 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion:202 Resp: 195208
Ion Ratio Lower Upper
202 100
101 15.7 0.0 35.4
203 17.9 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: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

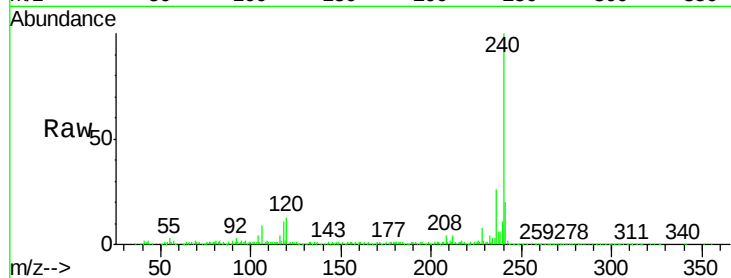
Tgt Ion:240 Resp: 345091

Ion Ratio Lower Upper

240 100

120 13.1 11.2 16.8

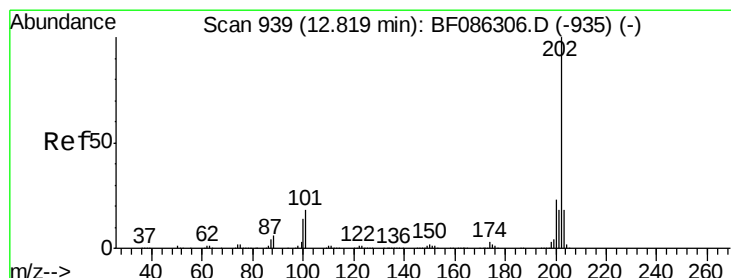
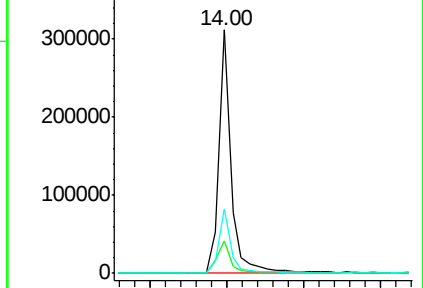
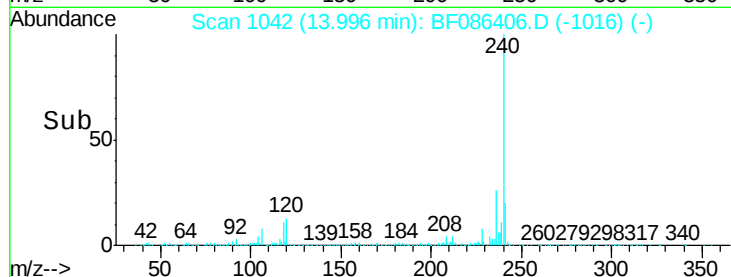
236 26.5 21.2 31.8



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: 7.92 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

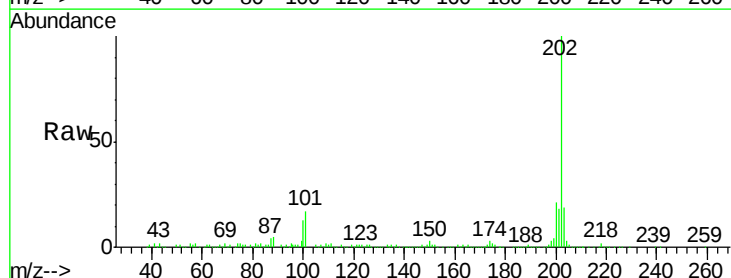
Tgt Ion:202 Resp: 190503

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

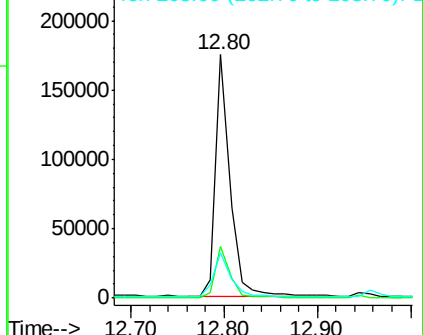
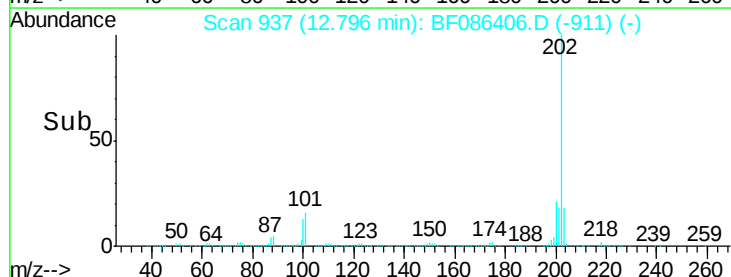
203 18.6 14.2 21.4

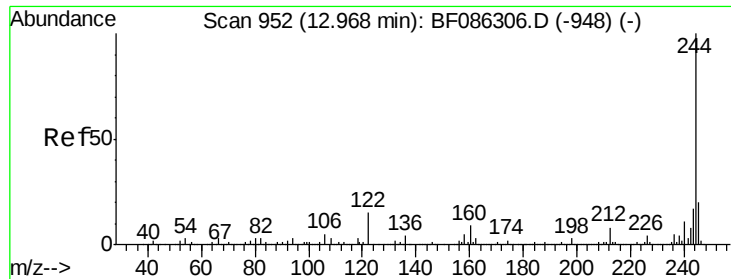


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

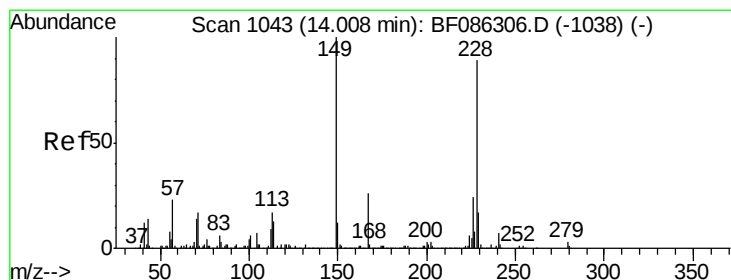
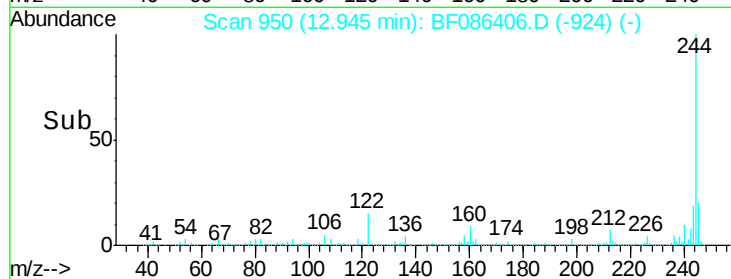
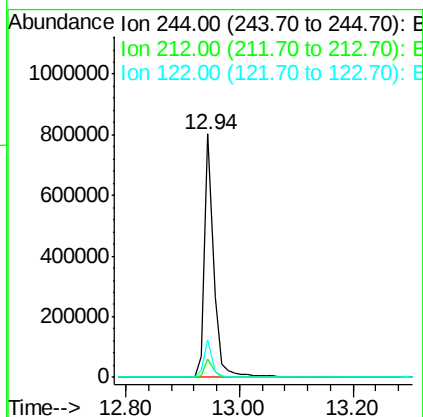
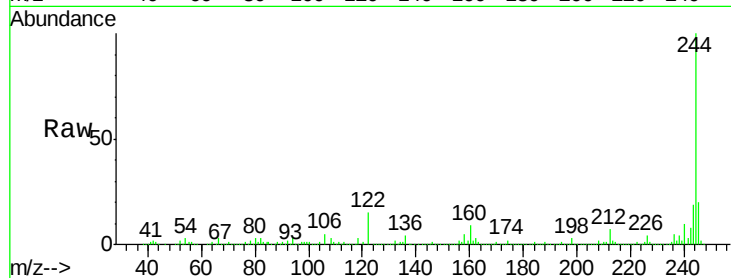




#78
 Terphenyl-d14
 Concen: 63.20 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

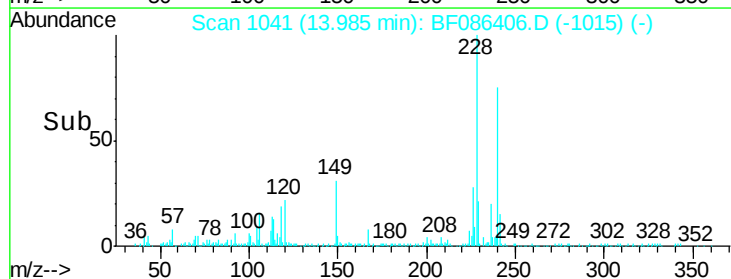
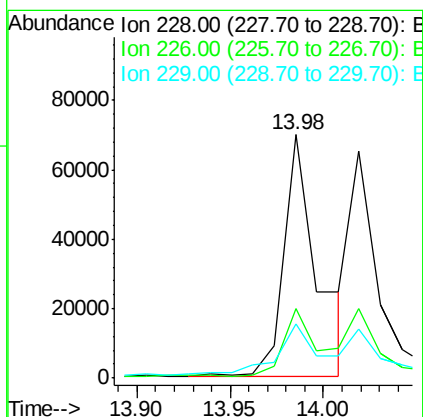
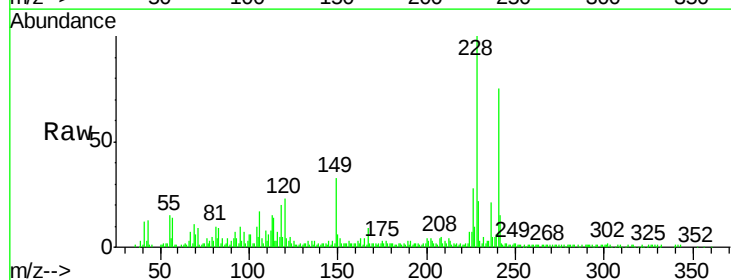
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B16(0-4)-C

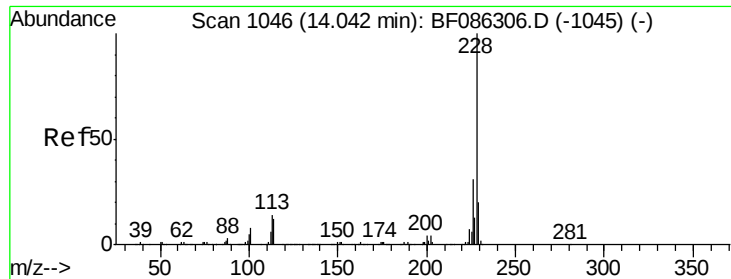
Tgt Ion:244 Resp: 877794
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 15.2 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 4.94 ng
 RT: 13.98 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF086406.D
 Acq: 23 Apr 2016 22:48

Tgt Ion:228 Resp: 88432
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.5 33.7
 229 22.3 16.6 25.0

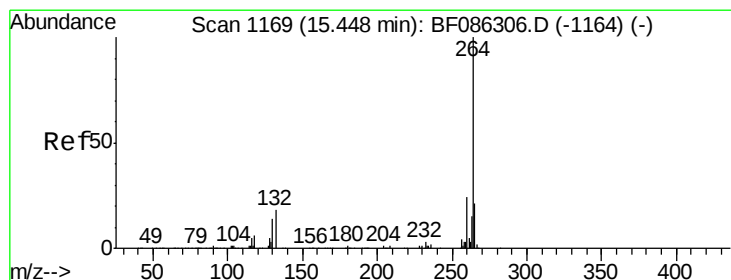
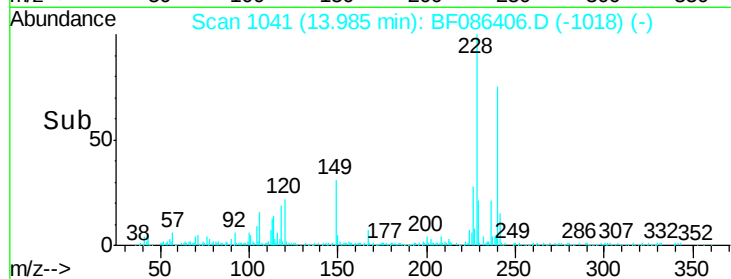
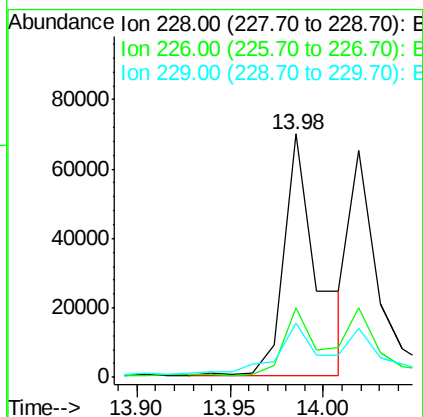
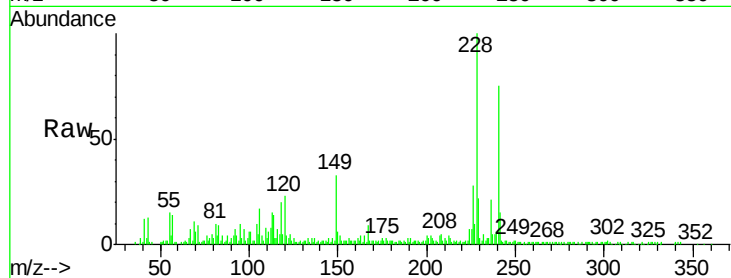




#82
Chrysene
Concen: 4.38 ng
RT: 13.98 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

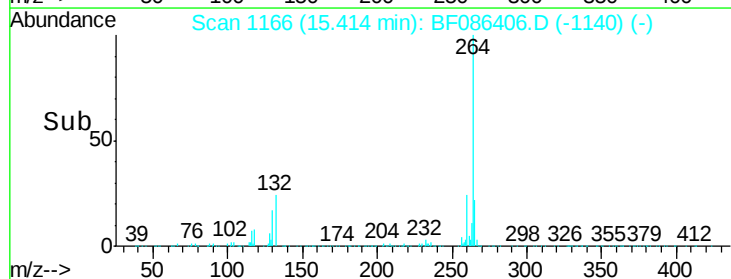
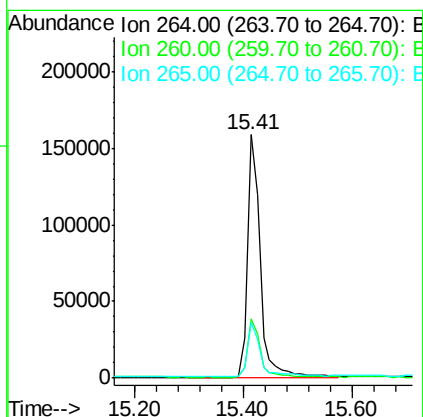
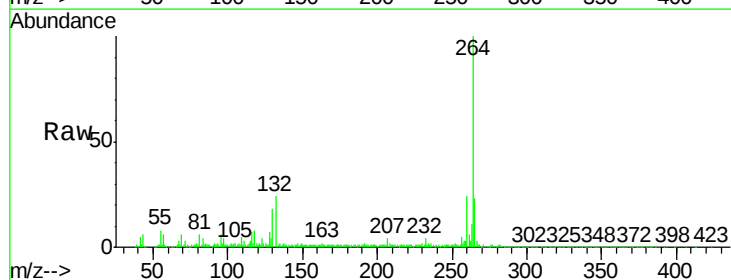
Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

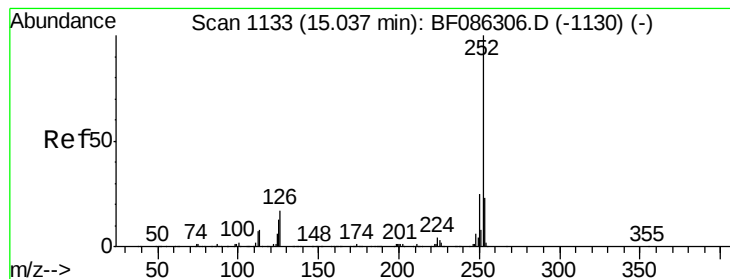
Tgt Ion:228 Resp: 88432
Ion Ratio Lower Upper
228 100
226 28.5 24.4 36.6
229 22.3 15.8 23.8



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion:264 Resp: 253807
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 23.0 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 7.57 ng

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

Instrument :

BNA_F

ClientSampleId :

WPG-B16(0-4)-C

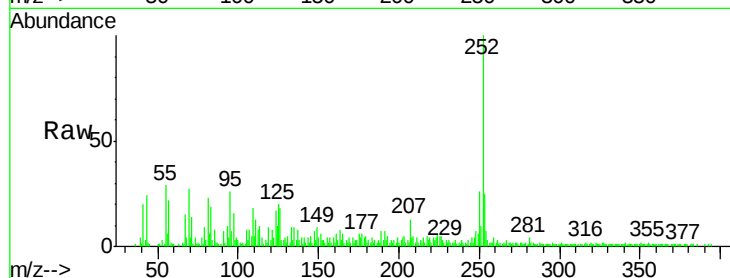
Tgt Ion:252 Resp: 105524

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

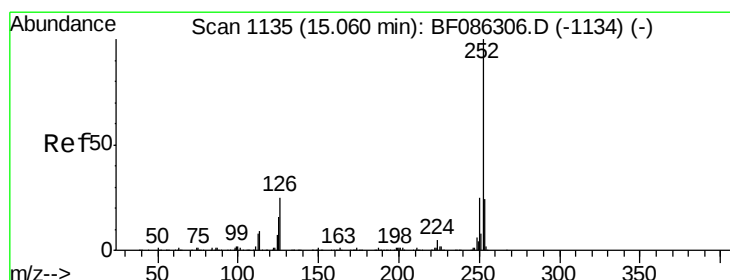
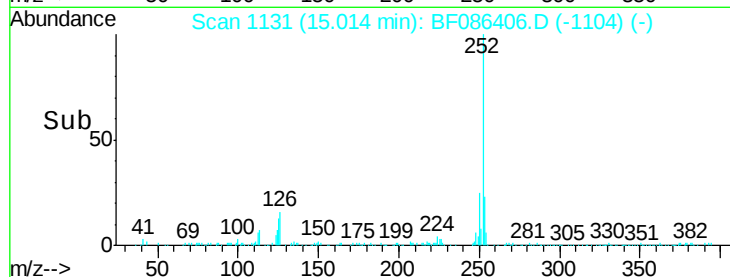
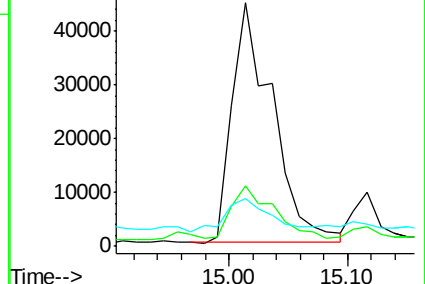
125 19.9 11.4 17.0#



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: 7.72 ng

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF086406.D

Acq: 23 Apr 2016 22:48

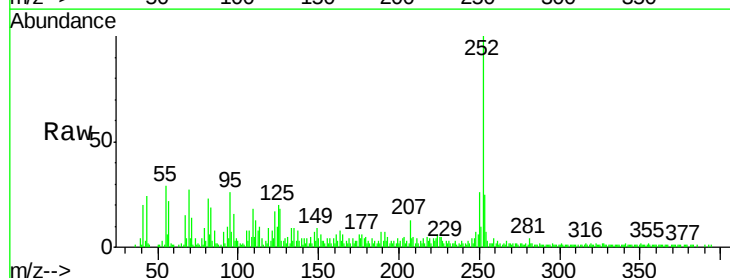
Tgt Ion:252 Resp: 105524

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

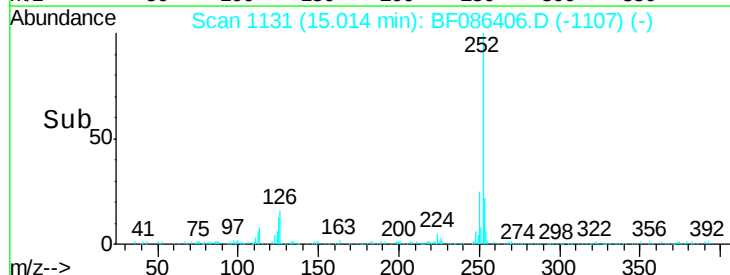
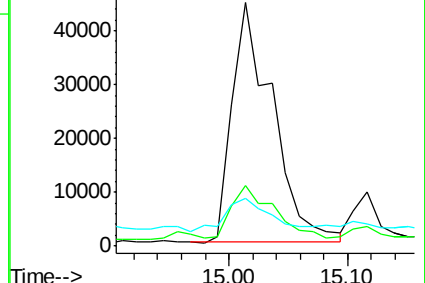
125 19.9 9.1 13.7#

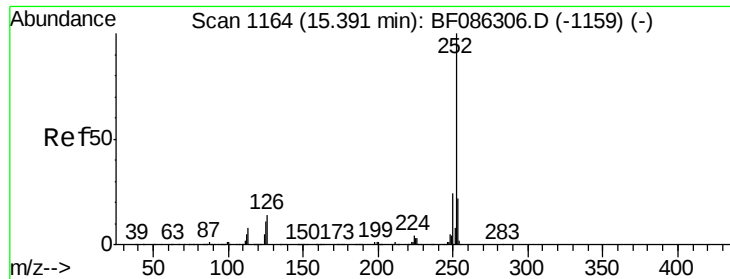


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

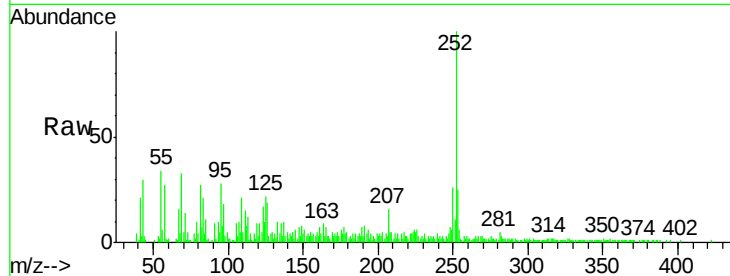




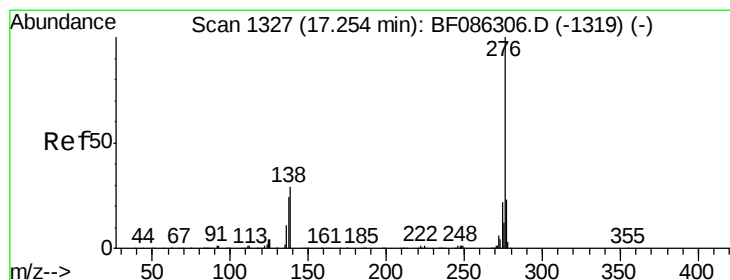
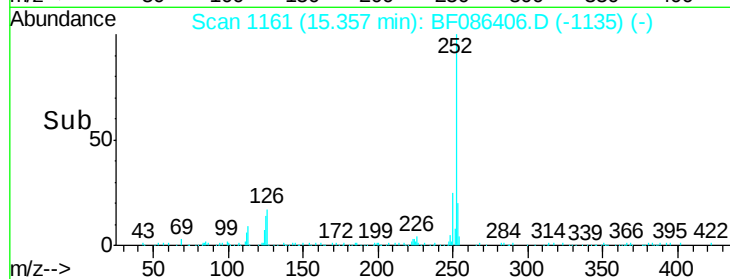
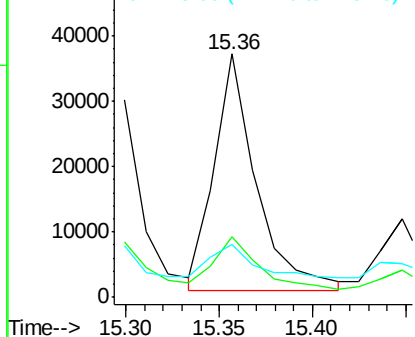
#89
Benzo(a)pyrene
Concen: 4.14 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Instrument :
BNA_F
ClientSampleId :
WPG-B16(0-4)-C

Tgt Ion: 252 Resp: 56856
Ion Ratio Lower Upper
252 100
253 25.0 17.2 25.8
125 21.6 9.0 13.6#

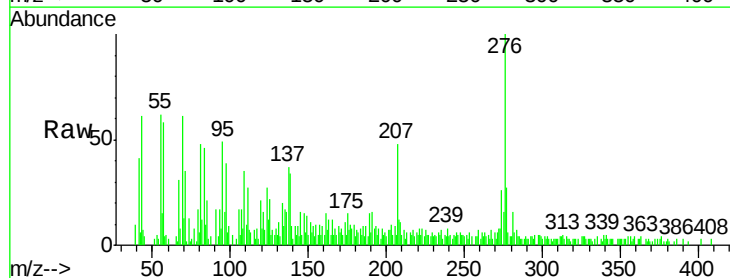


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.85 ng
RT: 17.21 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF086406.D
Acq: 23 Apr 2016 22:48

Tgt Ion: 276 Resp: 33307
Ion Ratio Lower Upper
276 100
277 26.7 19.6 29.4
138 33.9 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

