

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086408.D
 Acq On : 23 Apr 2016 23:45
 Operator : UM/SJ
 Sample : H2652-09
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B23(0-4.5)-C

Quant Time: Apr 25 00:59:15 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	172885	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	671317	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	276022	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	444209	20.00	ng	0.00
75) Chrysene-d12	14.00	240	348018	20.00	ng	0.00
86) Perylene-d12	15.41	264	250004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1131233	113.00	ng	0.02
7) Phenol-d6	6.49	99	1456723	107.03	ng	0.01
23) Nitrobenzene-d5	7.41	82	859936	75.88	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	226452	90.63	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1298227	80.26	ng	0.00
78) Terphenyl-d14	12.95	244	926707	66.16	ng	0.00

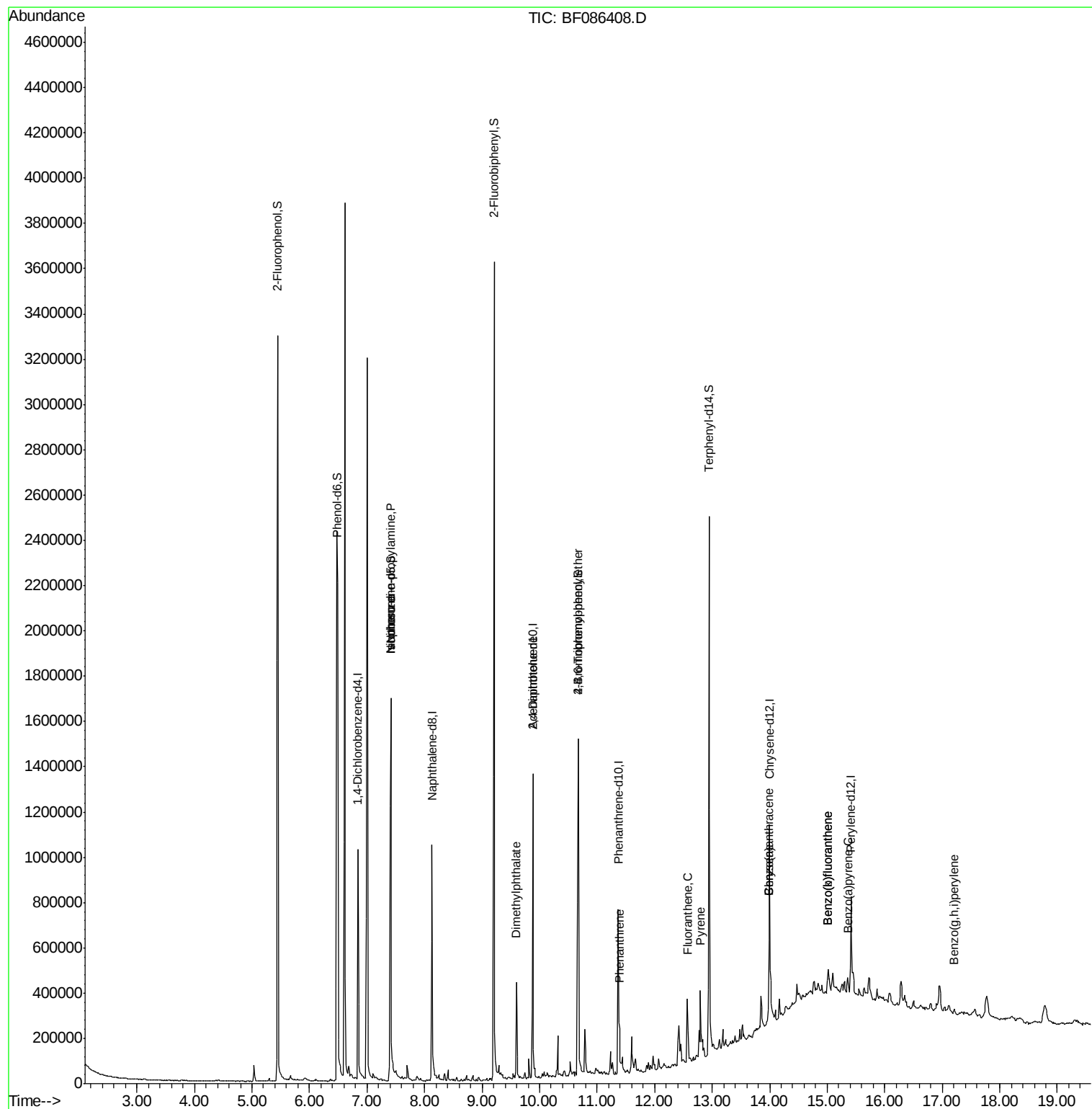
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	109238	13.43	ng	# 75
25) Isophorone	7.41	82	823664	37.09	ng	# 68
49) Dimethylphthalate	9.60	163	167776	8.41	ng	100
56) 2,4-Dinitrotoluene	9.88	165	36176	6.32	ng	# 16
66) 4-Bromophenyl-phenylether	10.67	248	14404	3.31	ng	# 1
70) Phenanthrene	11.39	178	98219	4.40	ng	98
74) Fluoranthene	12.57	202	141442	5.88	ng	98
77) Pyrene	12.80	202	137425	5.66	ng	97
80) Benzo(a)anthracene	13.99	228	64846	3.59	ng	96
82) Chrysene	13.99	228	64846	3.19	ng	98
87) Benzo(b)fluoranthene	15.01	252	79767	5.81	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	79767	5.92	ng	# 83
89) Benzo(a)pyrene	15.36	252	42593	3.15	ng	# 81
91) Benzo(g,h,i)perylene	17.21	276	24758	2.15	ng	# 92

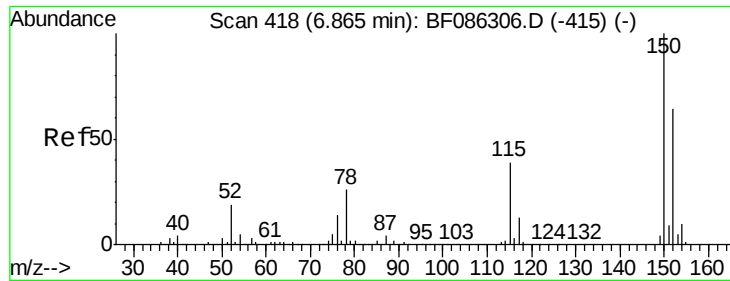
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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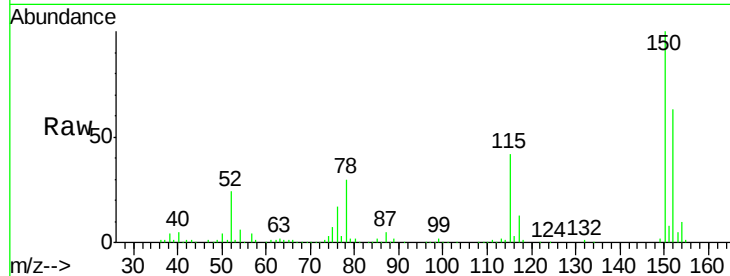




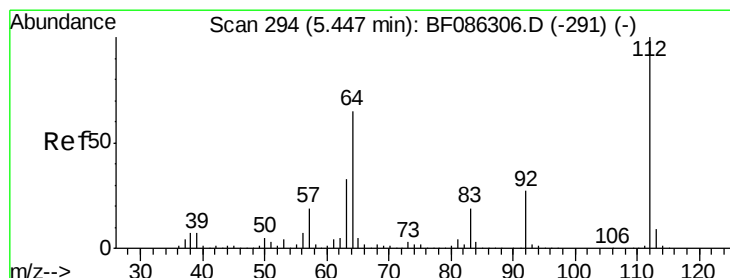
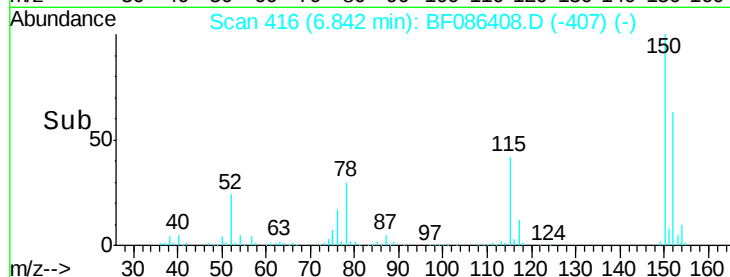
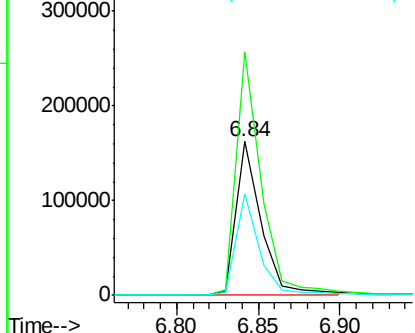
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B23(0-4.5)-C

Tgt Ion:152 Resp: 172885
 Ion Ratio Lower Upper
 152 100
 150 158.5 125.8 188.6
 115 66.4 51.5 77.3

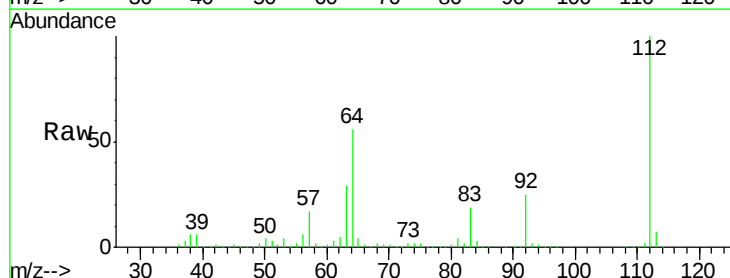


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

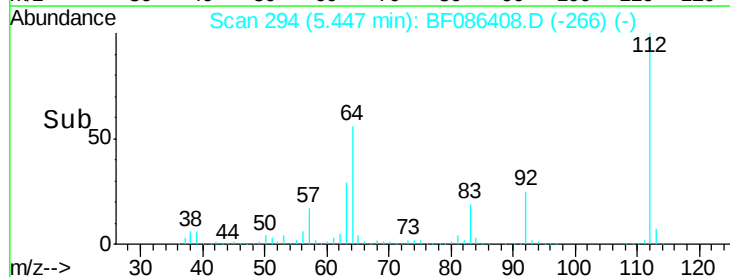
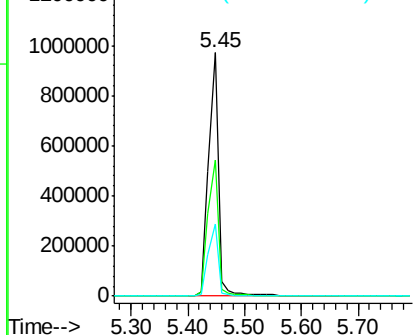


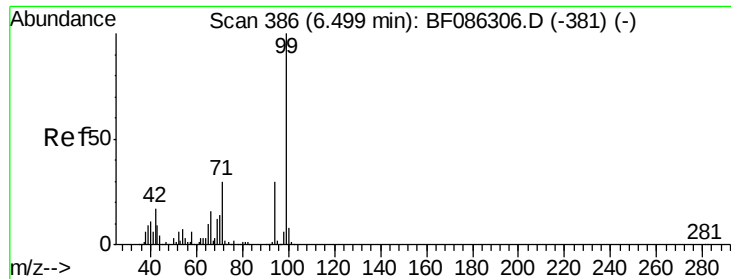
#5
 2-Fluorophenol
 Concen: 113.00 ng
 RT: 5.45 min Scan# 294
 Delta R.T. 0.02 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Tgt Ion:112 Resp: 1131233
 Ion Ratio Lower Upper
 112 100
 64 56.0 52.1 78.1
 63 29.4 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: 107.03 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

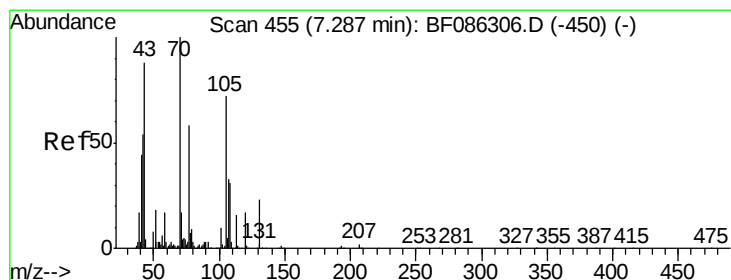
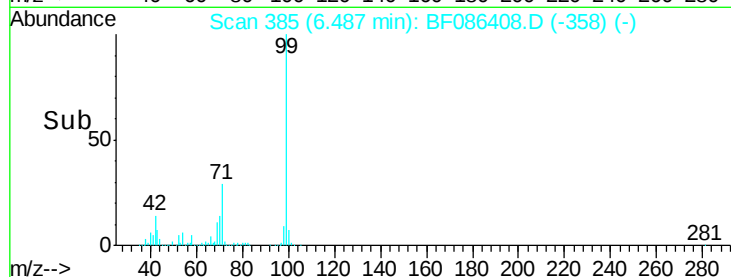
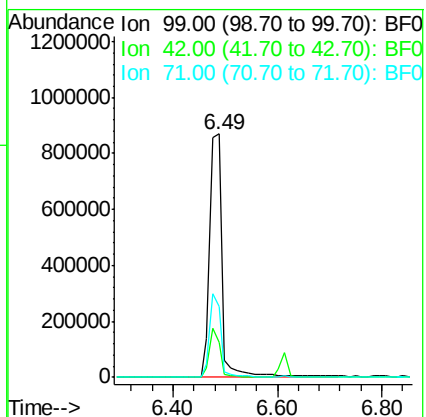
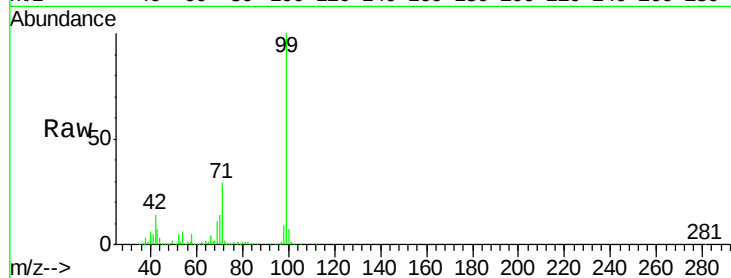
Tgt Ion: 99 Resp: 1456723

Ion Ratio Lower Upper

99 100

42 14.2 13.6 20.4

71 29.2 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.43 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.15 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Tgt Ion: 70 Resp: 109238

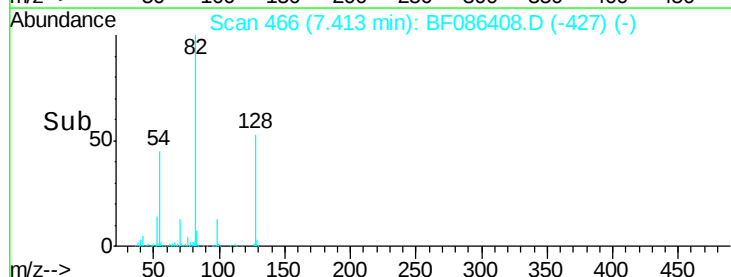
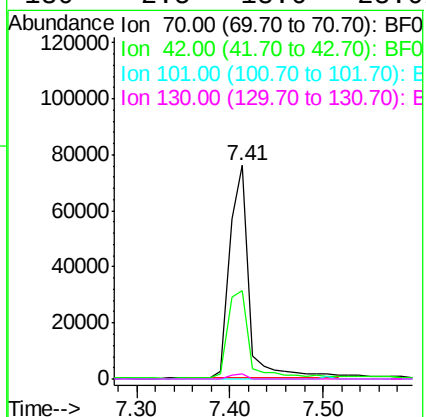
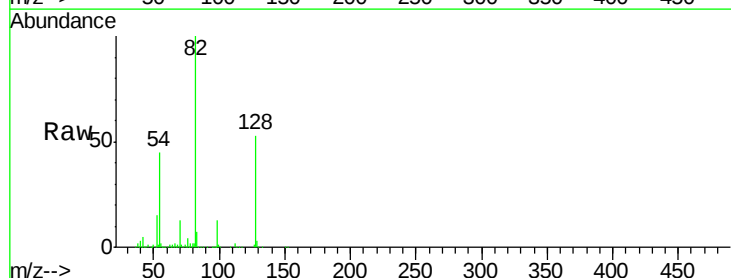
Ion Ratio Lower Upper

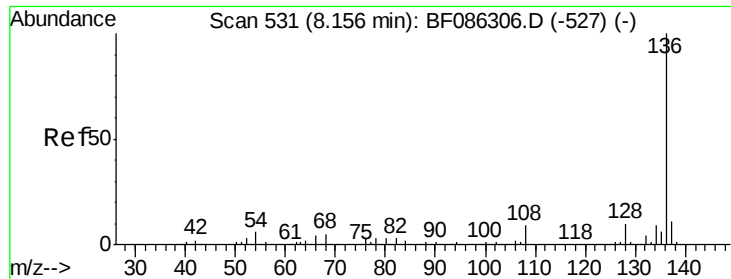
70 100

42 41.6 43.1 64.7#

101 0.0 8.1 12.1#

130 2.5 18.6 28.0#

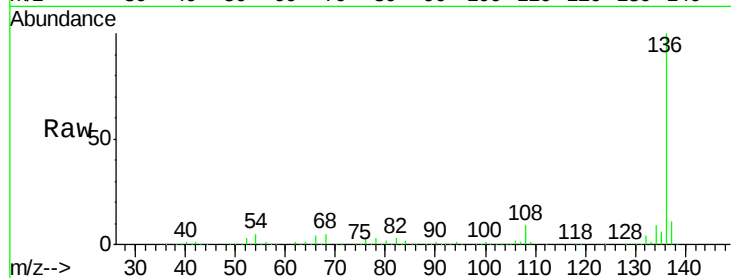




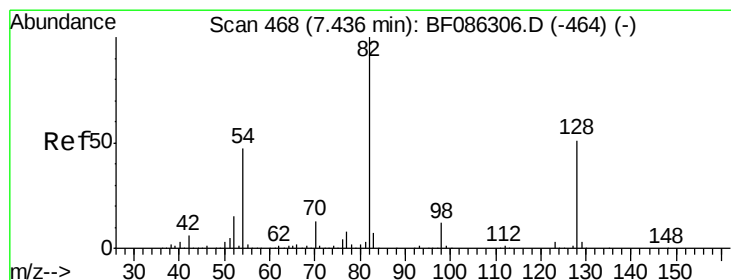
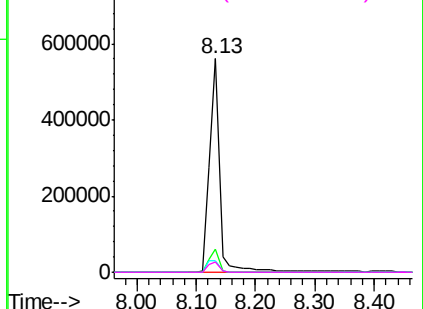
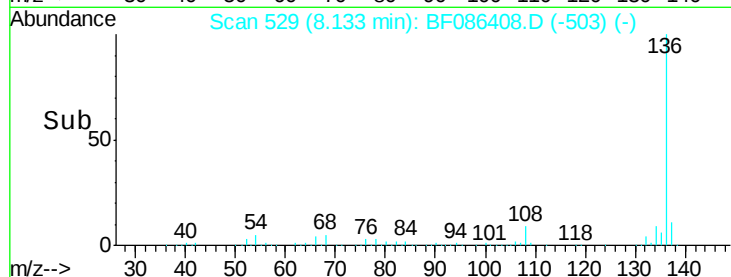
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

Instrument :
BNA_F
ClientSampleId :
WPG-B23(0-4.5)-C

Tgt Ion:	136	Resp:	671317
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	5.4	5.0	7.4
68	4.6	4.4	6.6

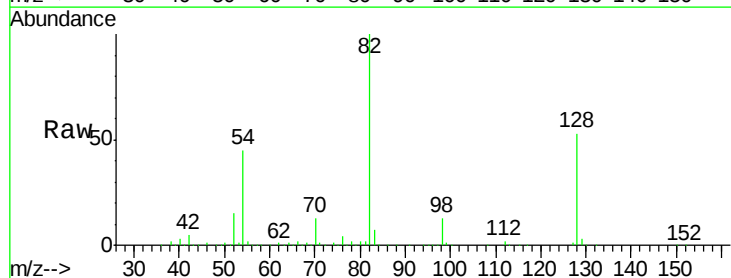


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

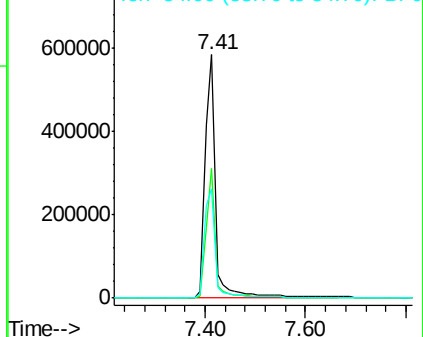
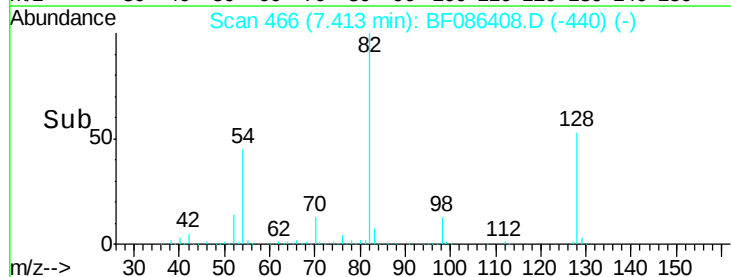


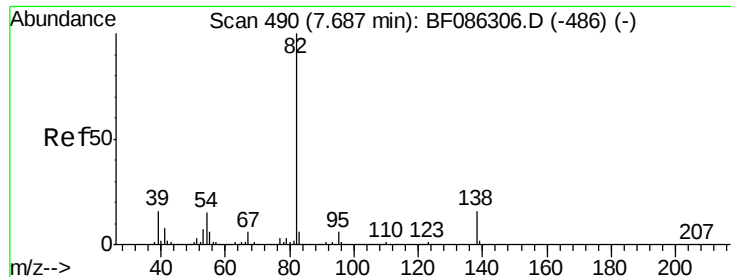
#23
Nitrobenzene-d5
Concen: 75.88 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.00 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

Tgt Ion:	82	Resp:	859936
Ion	Ratio	Lower	Upper
82	100		
128	53.2	40.6	61.0
54	45.0	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: 37.09 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.25 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

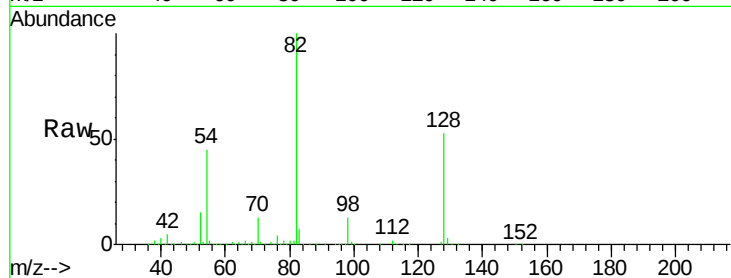
Tgt Ion: 82 Resp: 823664

Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

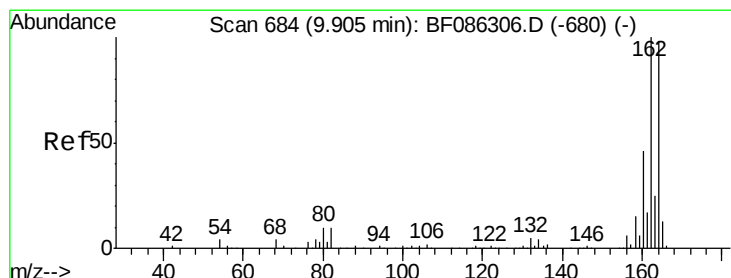
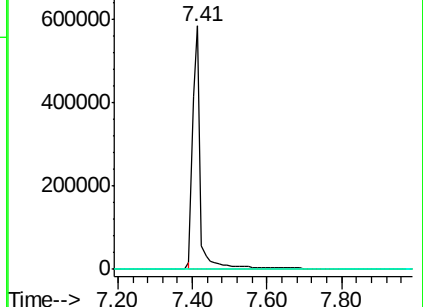
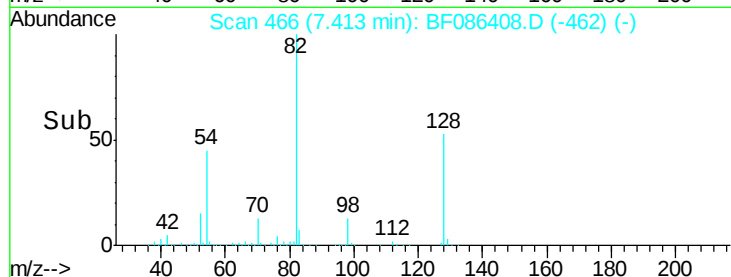
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF086408.D (-462) (-)

Ion 95.00 (94.70 to 95.70): BF086408.D (-462) (-)

Ion 138.00 (137.70 to 138.70): BF086408.D (-462) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

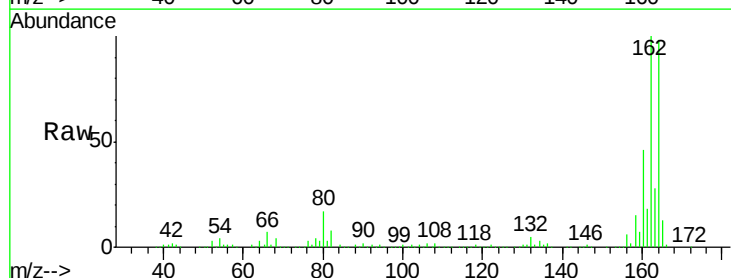
Tgt Ion: 164 Resp: 276022

Ion Ratio Lower Upper

164 100

162 102.1 82.8 124.2

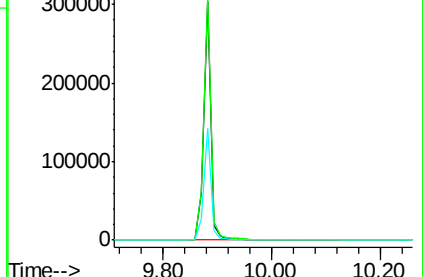
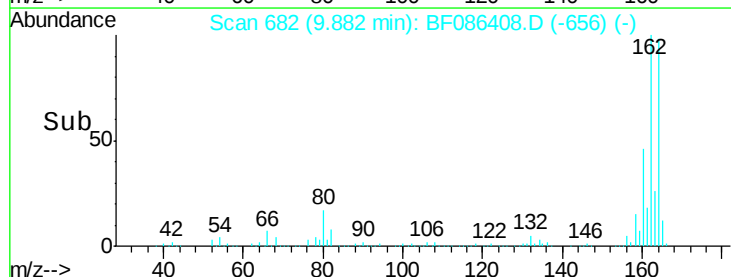
160 46.7 36.9 55.3

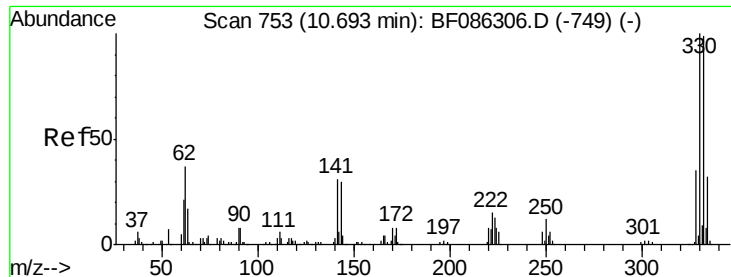


Abundance Ion 164.00 (163.70 to 164.70): BF086408.D (-656) (-)

Ion 162.00 (161.70 to 162.70): BF086408.D (-656) (-)

Ion 160.00 (159.70 to 160.70): BF086408.D (-656) (-)

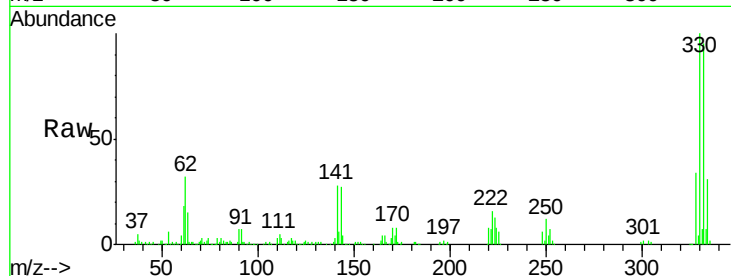




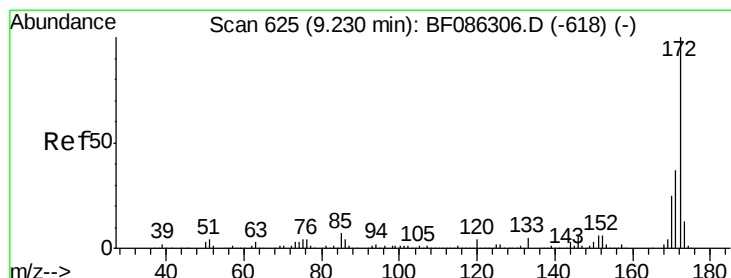
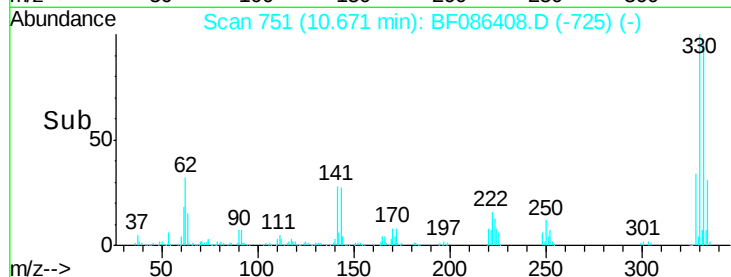
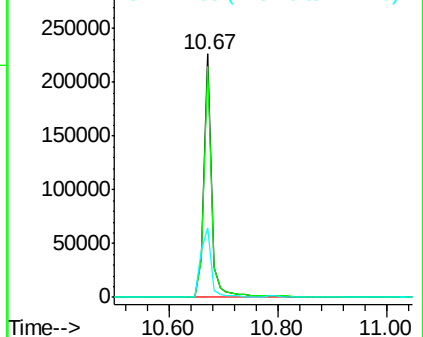
#41
 2,4,6-Tribromophenol
 Concen: 90.63 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B23(0-4.5)-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	79.0	118.4
141	38.1	31.2	46.8

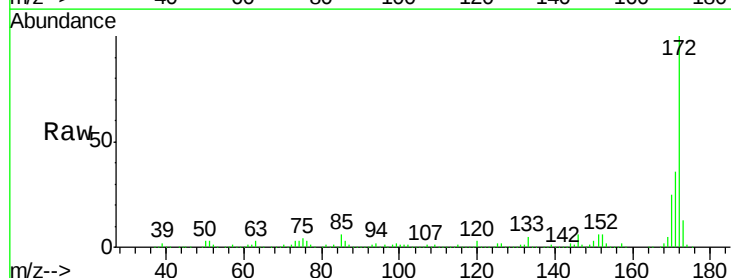


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

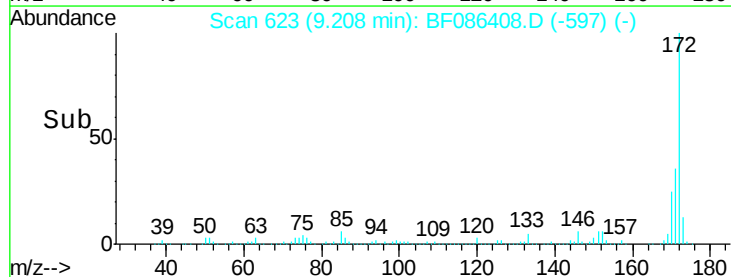
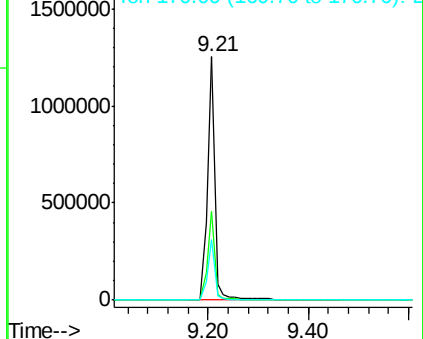


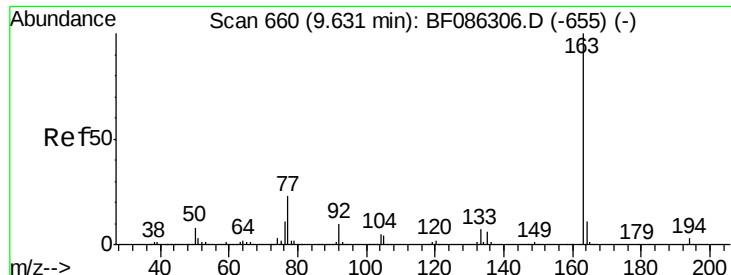
#44
 2-Fluorobiphenyl
 Concen: 80.26 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.8	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

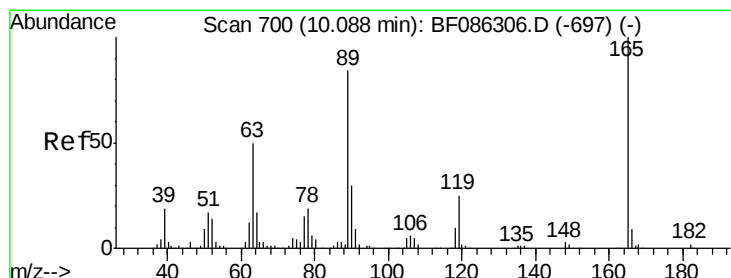
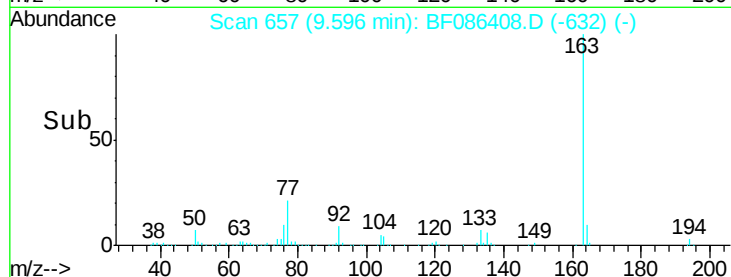
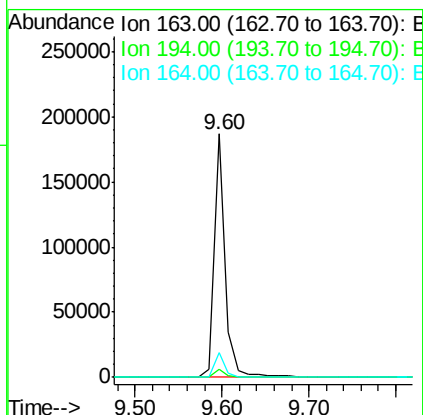
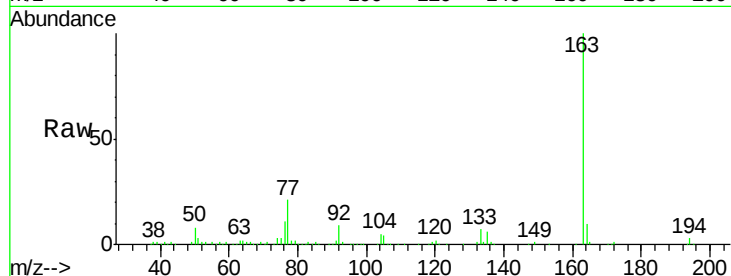




#49
Dimethylphthalate
Concen: 8.41 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

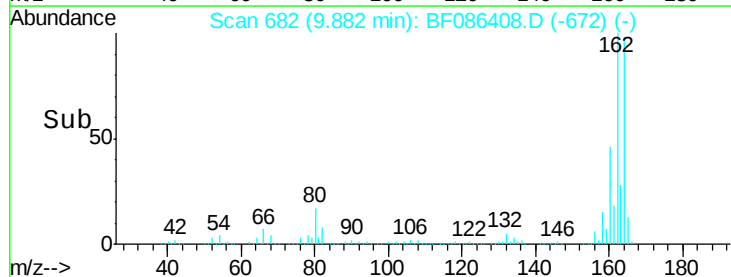
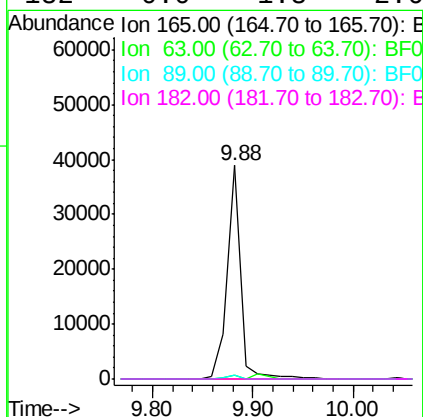
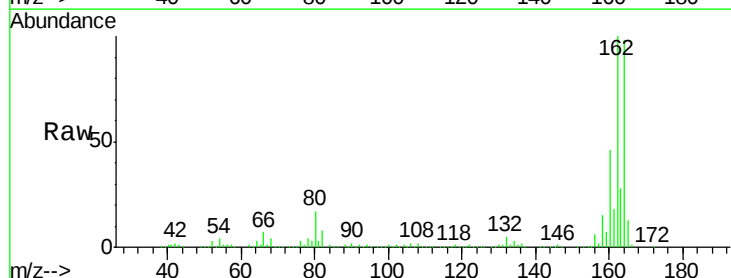
Instrument :
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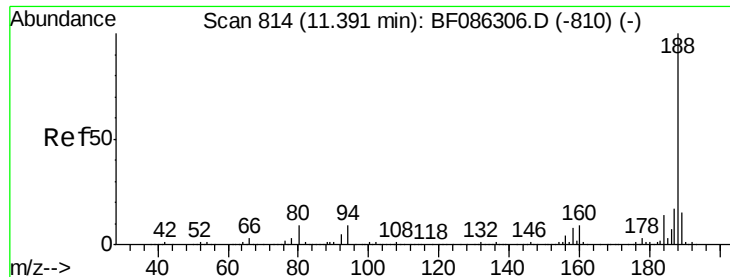
Tgt Ion:163 Resp: 167776
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.32 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.18 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

Tgt Ion:165 Resp: 36176
Ion Ratio Lower Upper
165 100
63 2.0 44.3 66.5#
89 2.0 70.0 105.0#
182 0.0 1.8 2.6#

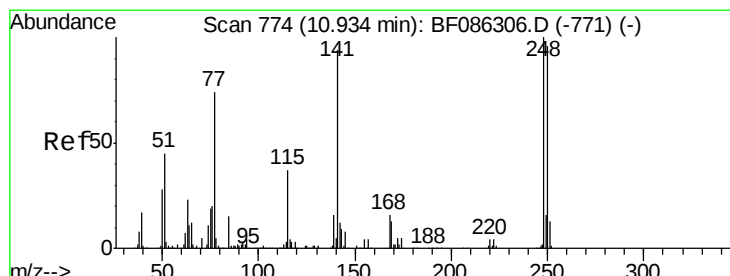
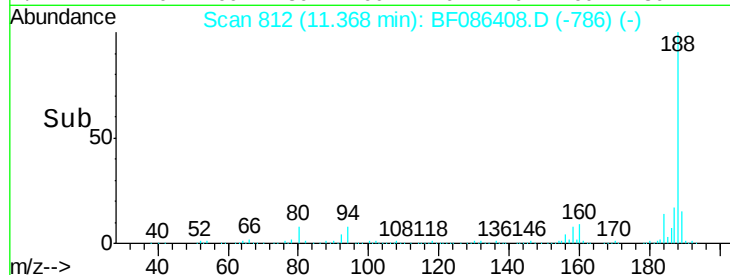
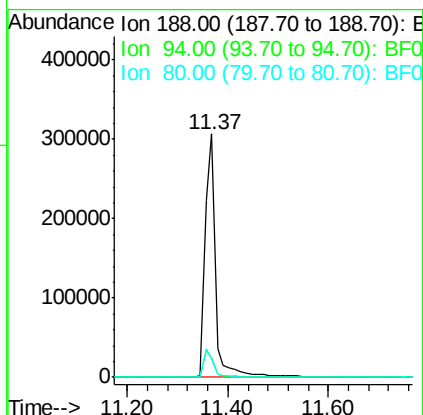
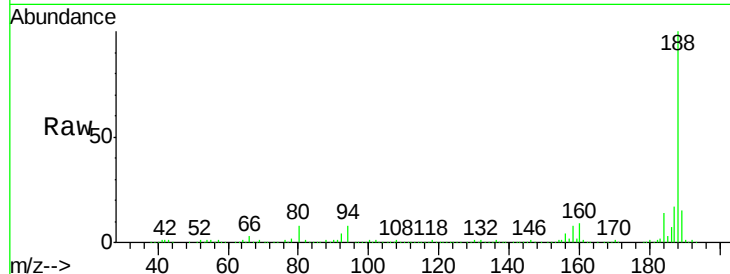




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

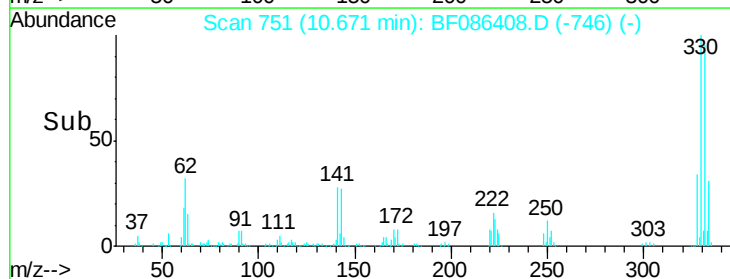
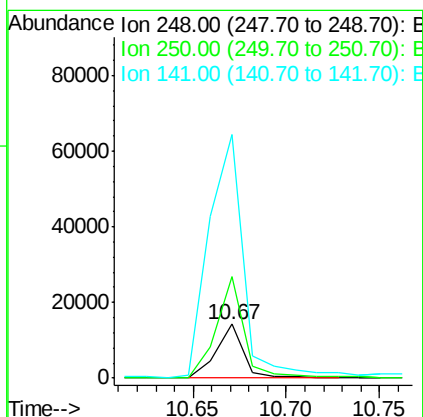
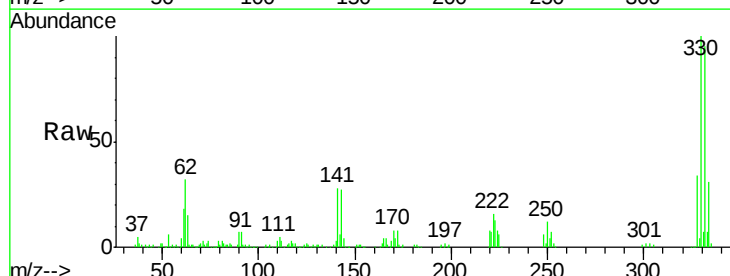
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B23(0-4.5)-C

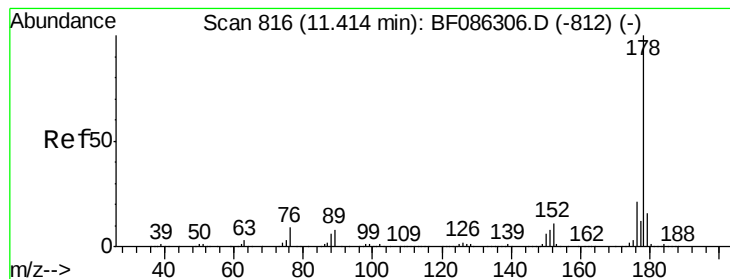
Tgt Ion:188 Resp: 444209
 Ion Ratio Lower Upper
 188 100
 94 7.9 6.8 10.2
 80 7.7 7.1 10.7



#66
 4-Bromophenyl-phenylether
 Concen: 3.31 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.24 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Tgt Ion:248 Resp: 14404
 Ion Ratio Lower Upper
 248 100
 250 189.6 78.6 117.8#
 141 453.2 76.0 114.0#





#70

Phenanthrene

Concen: 4.40 ng

RT: 11.39 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

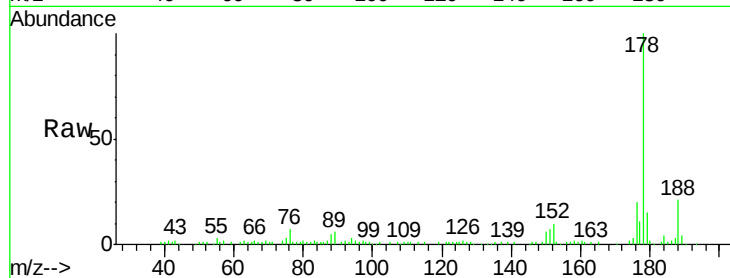
Tgt Ion:178 Resp: 98219

Ion Ratio Lower Upper

178 100

176 20.5 16.0 24.0

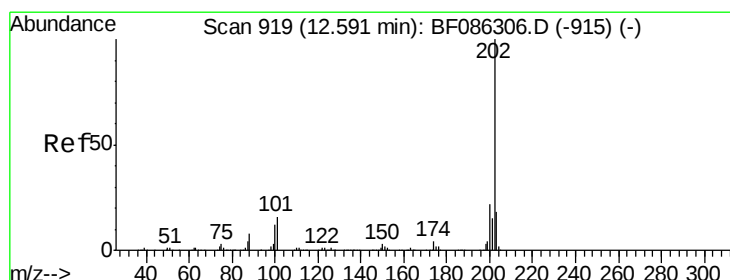
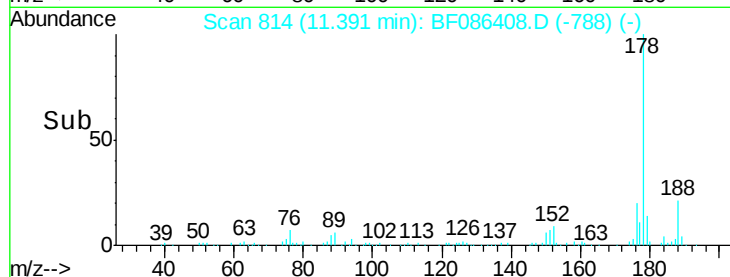
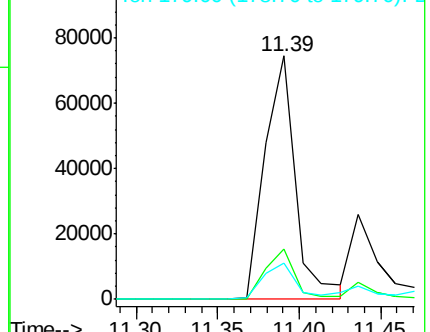
179 14.6 12.6 18.8



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: 5.88 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

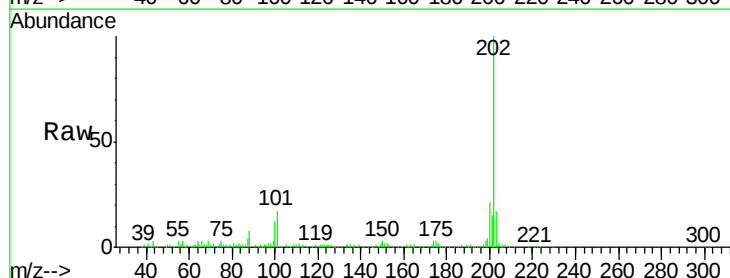
Tgt Ion:202 Resp: 141442

Ion Ratio Lower Upper

202 100

101 16.6 0.0 35.4

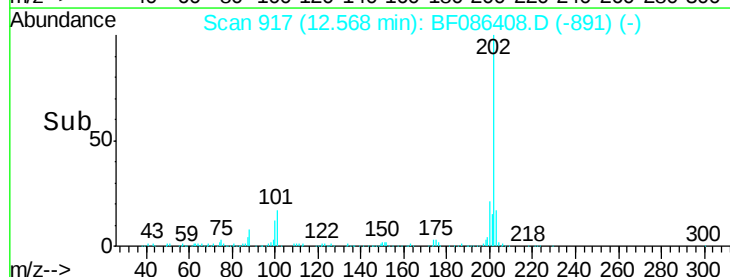
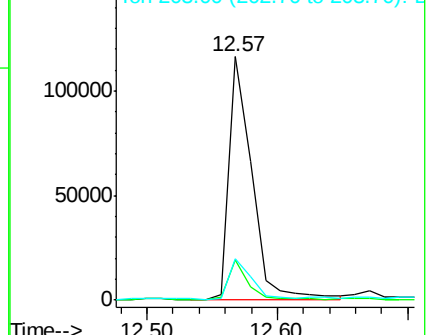
203 17.2 0.0 38.1

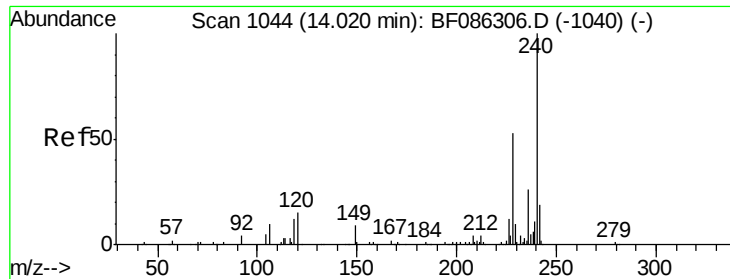


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

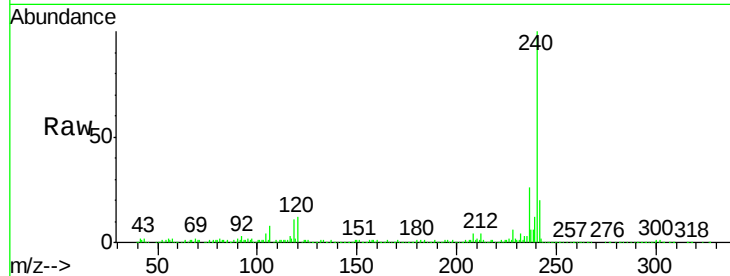
Tgt Ion:240 Resp: 348018

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

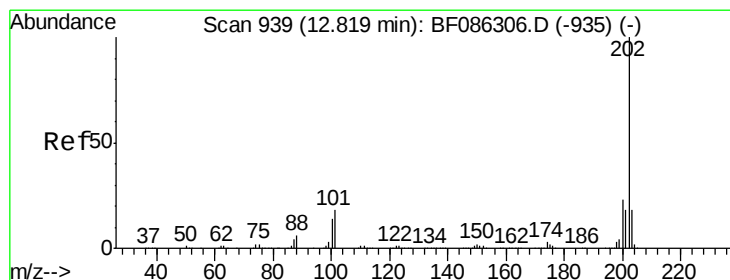
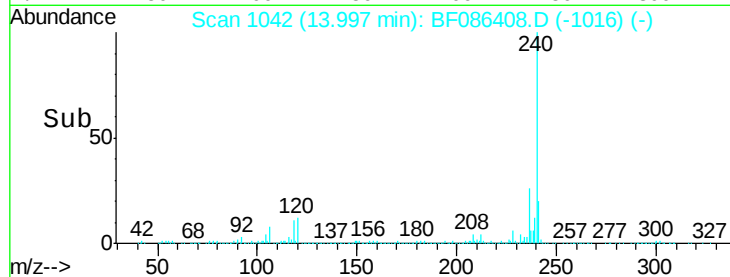
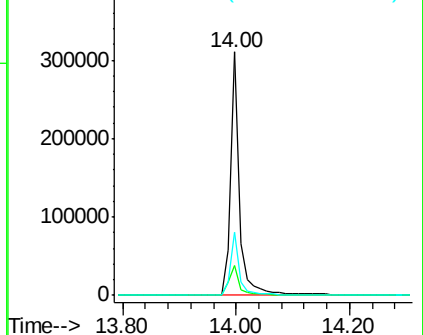
236 25.8 21.2 31.8



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: 5.66 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

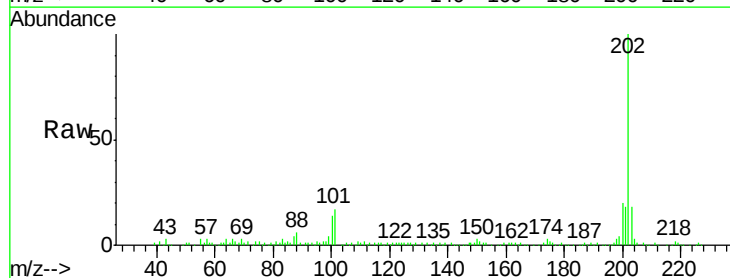
Tgt Ion:202 Resp: 137425

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

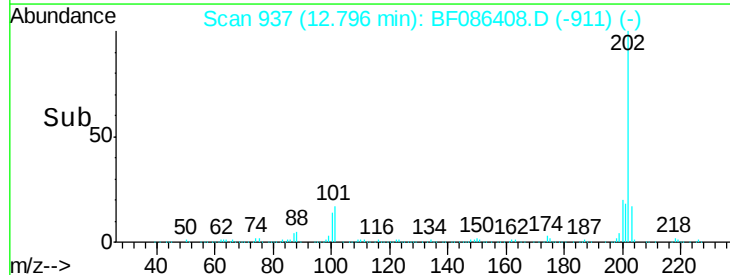
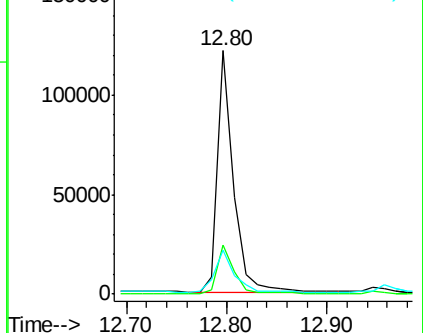
203 18.0 14.2 21.4

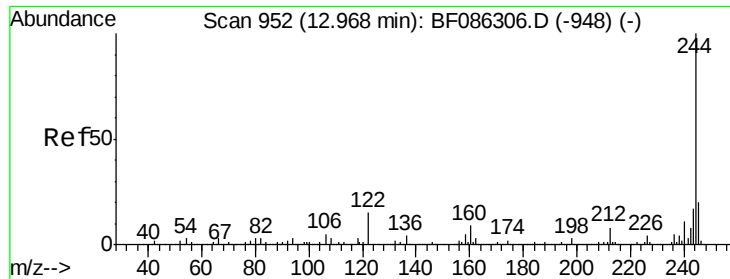


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

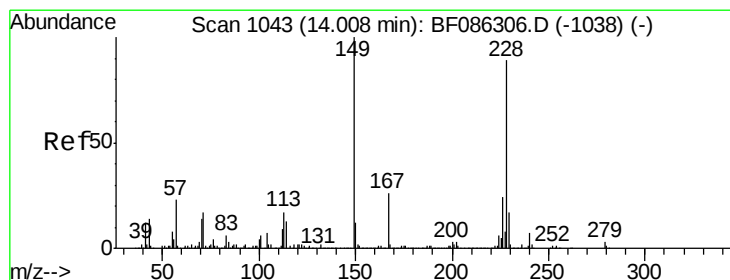
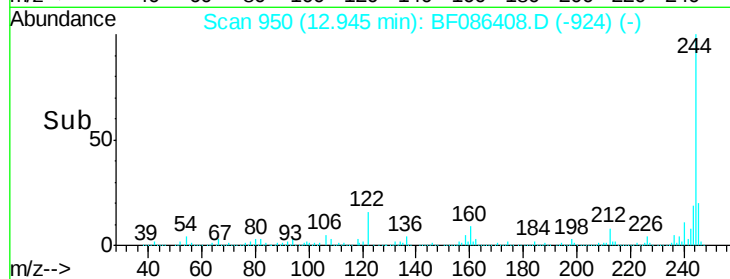
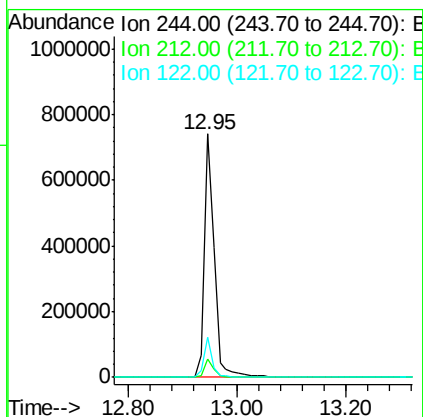
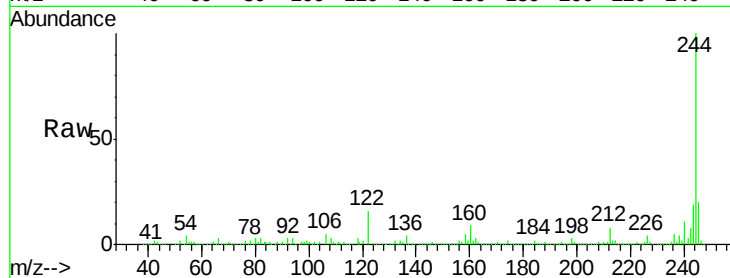




#78
 Terphenyl-d14
 Concen: 66.16 ng
 RT: 12.95 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

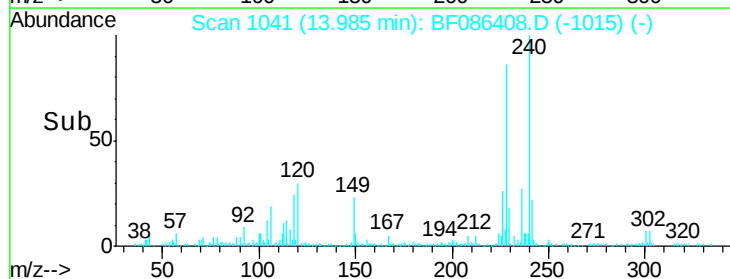
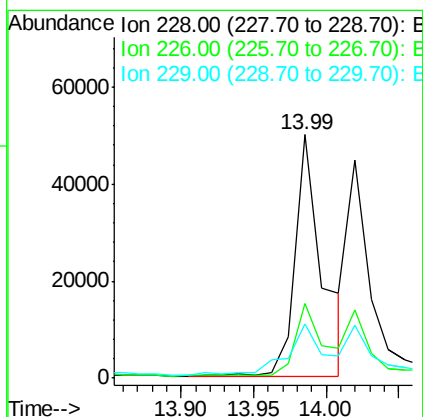
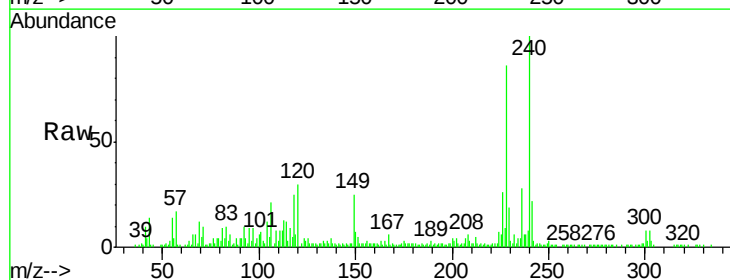
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B23(0-4.5)-C

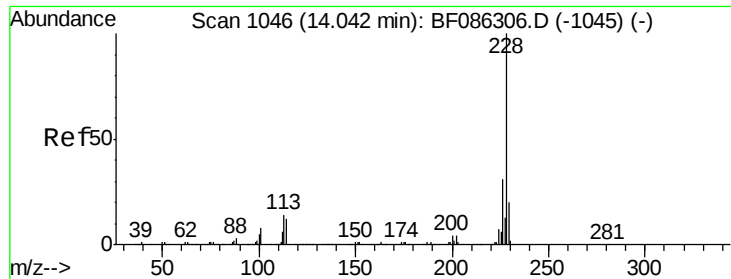
Tgt Ion:244 Resp: 926707
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 16.3 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 3.59 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086408.D
 Acq: 23 Apr 2016 23:45

Tgt Ion:228 Resp: 64846
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.5 33.7
 229 22.4 16.6 25.0





#82

Chrysene

Concen: 3.19 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

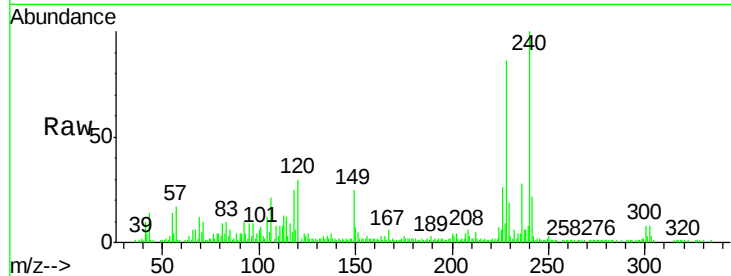
Tgt Ion:228 Resp: 64846

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

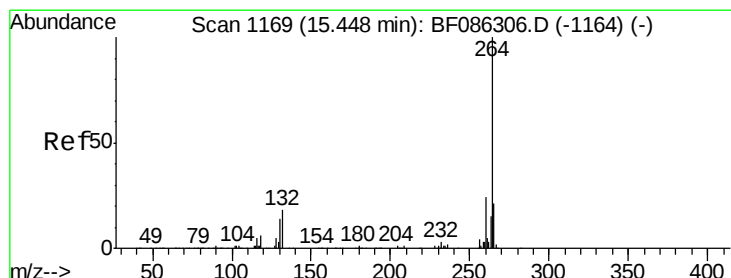
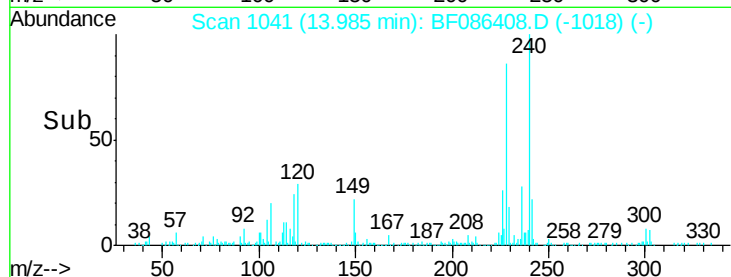
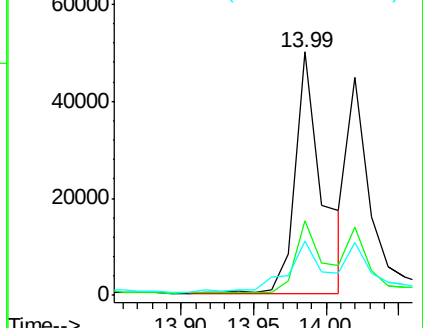
229 22.4 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

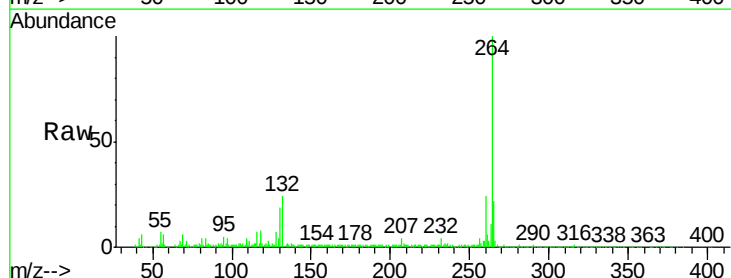
Tgt Ion:264 Resp: 250004

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

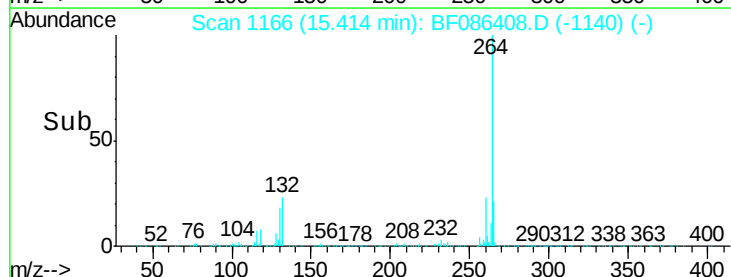
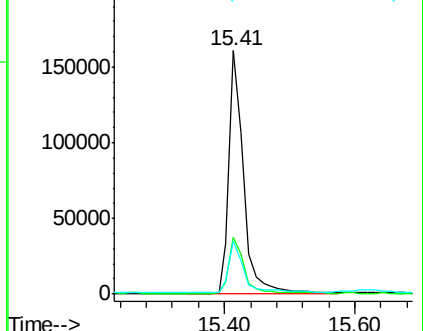
265 21.8 17.3 25.9

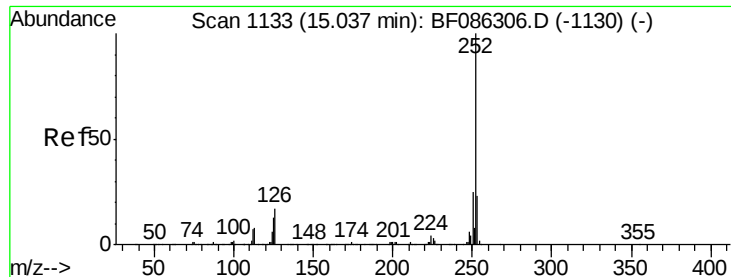


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

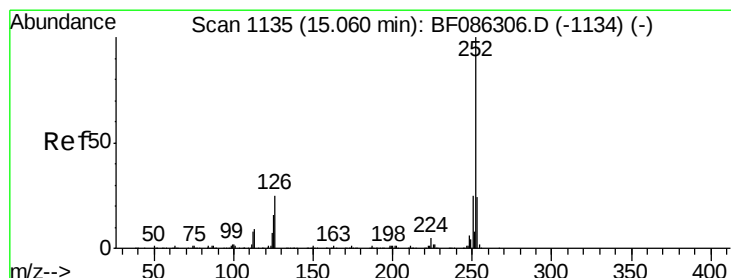
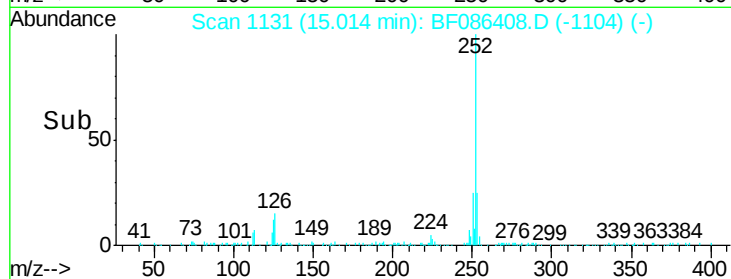
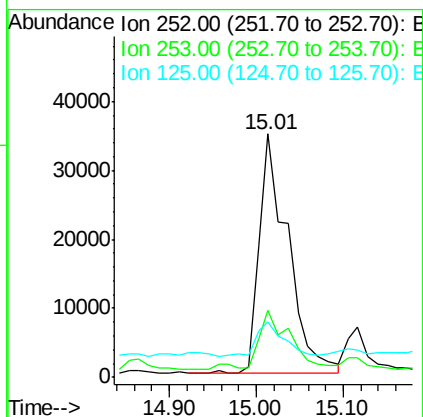
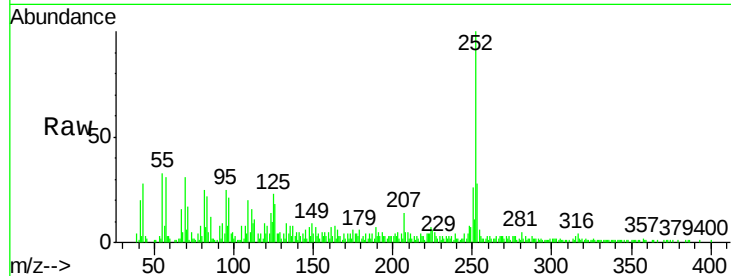




#87
Benzo(b)fluoranthene
Concen: 5.81 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

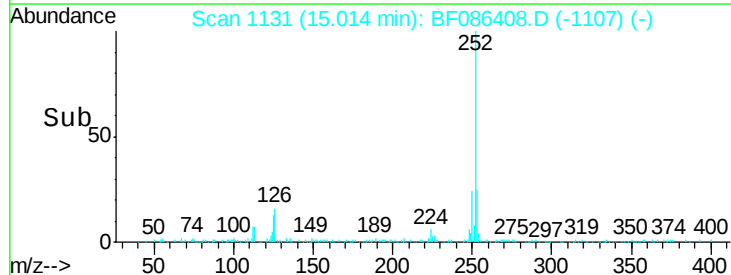
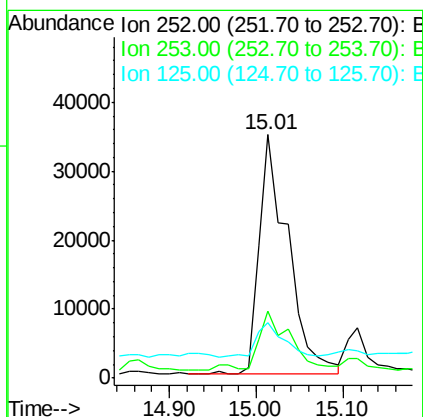
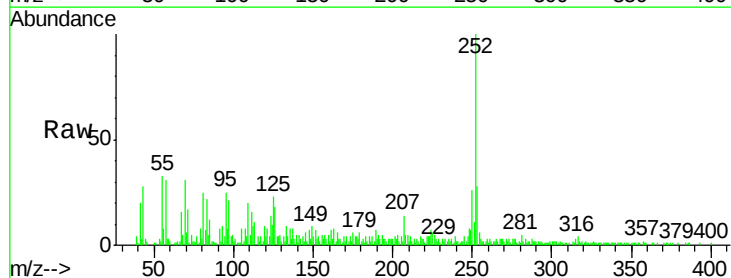
Instrument :
BNA_F
ClientSampleId :
WPG-B23(0-4.5)-C

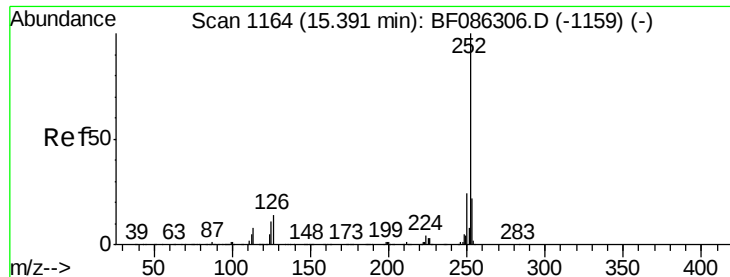
Tgt Ion:252 Resp: 79767
Ion Ratio Lower Upper
252 100
253 27.6 17.8 26.6#
125 22.6 11.4 17.0#



#88
Benzo(k)fluoranthene
Concen: 5.92 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086408.D
Acq: 23 Apr 2016 23:45

Tgt Ion:252 Resp: 79767
Ion Ratio Lower Upper
252 100
253 27.6 17.8 26.6#
125 22.6 9.1 13.7#





#89

Benzo(a)pyrene

Concen: 3.15 ng

RT: 15.36 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

Instrument :

BNA_F

ClientSampleId :

WPG-B23(0-4.5)-C

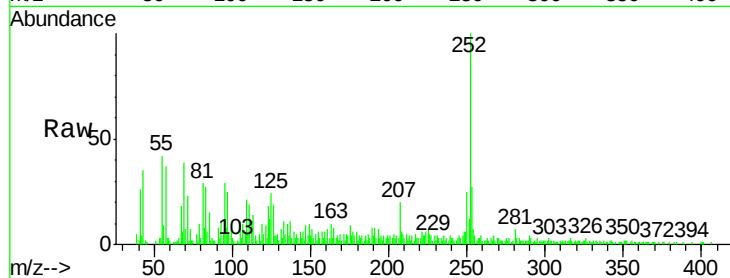
Tgt Ion: 252 Resp: 42593

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

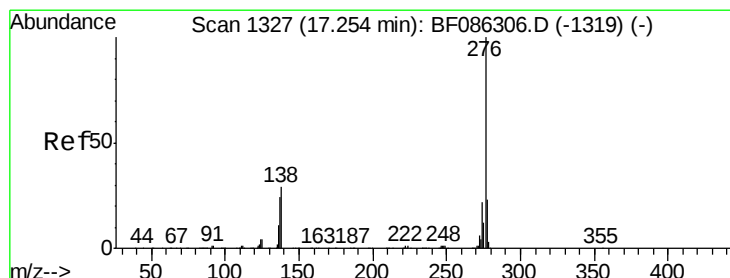
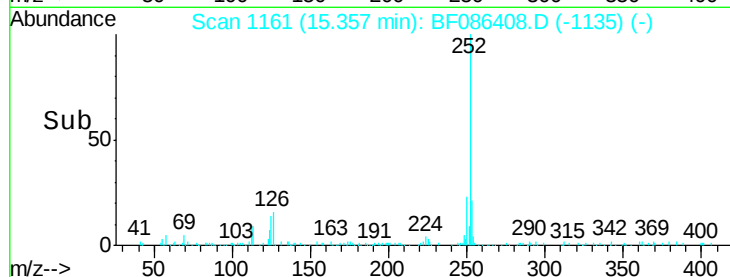
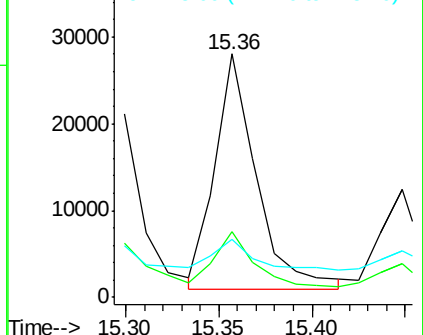
125 24.0 9.0 13.6#



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: 2.15 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF086408.D

Acq: 23 Apr 2016 23:45

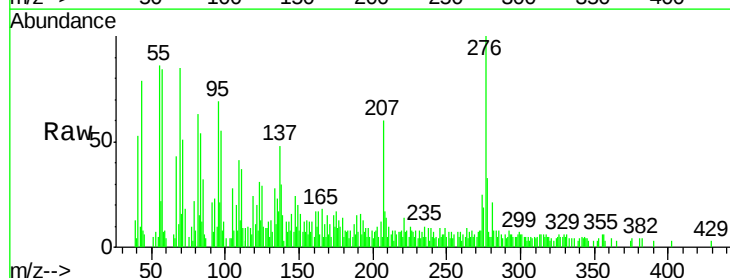
Tgt Ion: 276 Resp: 24758

Ion Ratio Lower Upper

276 100

277 32.6 19.6 29.4#

138 30.3 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

