

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019126.D
 Acq On : 10 Oct 2015 20:37
 Operator : UM/NP
 Sample : G3929-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:38:01 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 06:30:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	17313	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	78456	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	56509	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	143575	20.00	ng	0.00
75) Chrysene-d12	21.67	240	175391	20.00	ng	0.00
86) Perylene-d12	24.89	264	167359	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	59217	69.64	ng	0.00
7) Phenol-d6	7.19	99	54329	41.59	ng	0.00
23) Nitrobenzene-d5	9.19	82	158408	111.56	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	130390	169.33	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	405105	110.23	ng	0.00
78) Terphenyl-d14	20.02	244	645903	97.28	ng	0.00

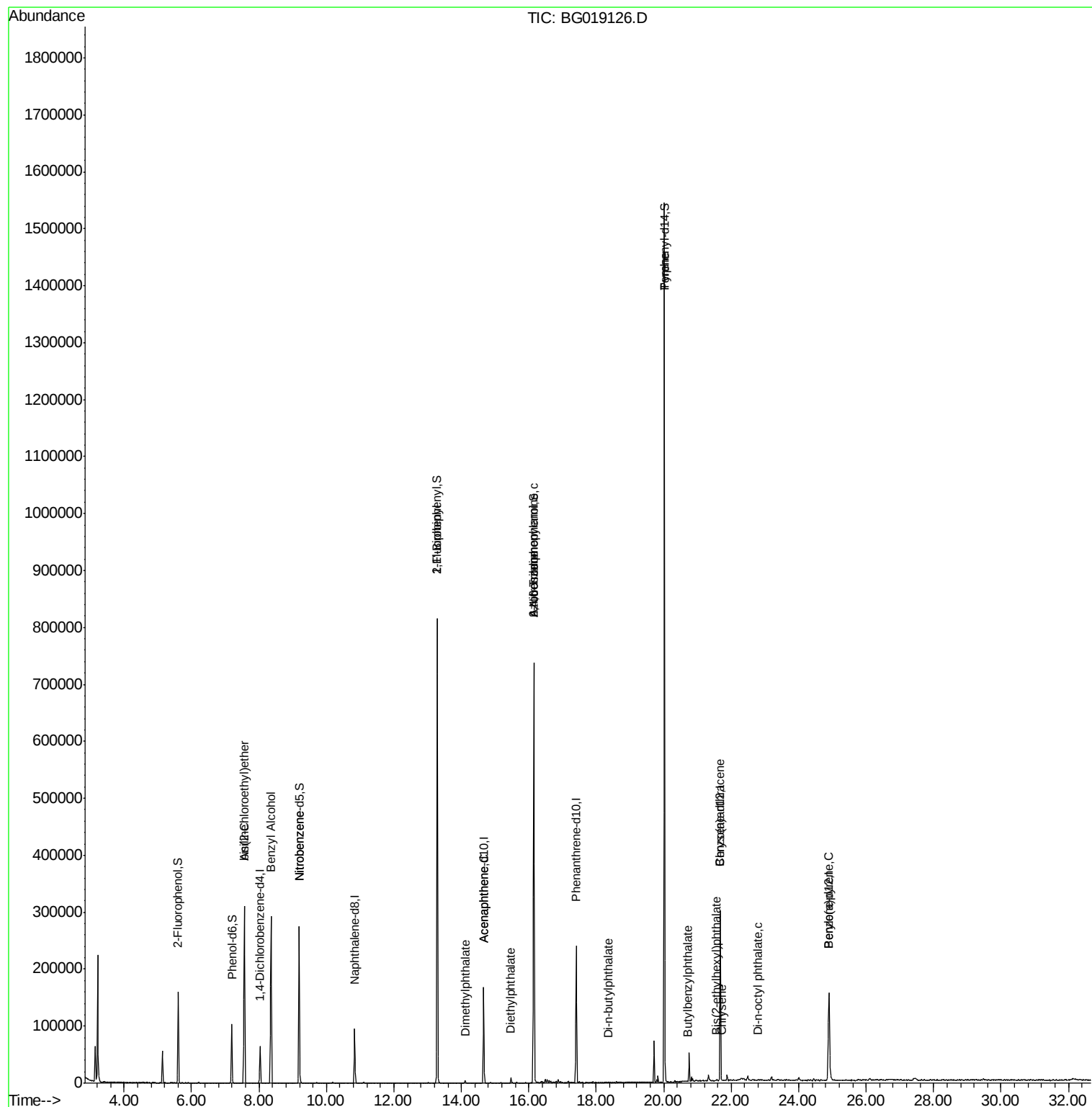
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.57	93	110	0.06	ng	# 1
11) bis(2-Chloroethyl)ether	7.57	93	110	0.11	ng	# 1
15) Benzyl Alcohol	8.36	79	2498	2.14	ng	# 49
24) Nitrobenzene	9.19	77	456	0.30	ng	# 43
45) 1,1'-Biphenyl	13.29	154	781	0.19	ng	# 1
49) Dimethylphthalate	14.11	163	2774	0.62	ng	# 95
51) Acenaphthene	14.66	154	83	0.02	ng	# 3
59) Diethylphthalate	15.47	149	5159	1.11	ng	# 93
62) Azobenzene	16.15	77	731	0.17	ng	# 22
65) n-Nitrosodiphenylamine	16.15	169	4512	1.14	ng	# 46
73) Di-n-butylphthalate	18.37	149	502	0.06	ng	# 77
77) Pylene	20.02	202	2722	0.28	ng	# 66
79) Butylbenzylphthalate	20.70	149	179	0.04	ng	# 41
80) Benzo(a)anthracene	21.67	228	608	0.06	ng	# 52
82) Chrysene	21.72	228	85	0.01	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	927	0.17	ng	# 94
84) Di-n-octyl phthalate	22.78	149	114	0.01	ng	# 1
89) Benzo(a)pyrene	24.89	252	624	0.07	ng	# 61

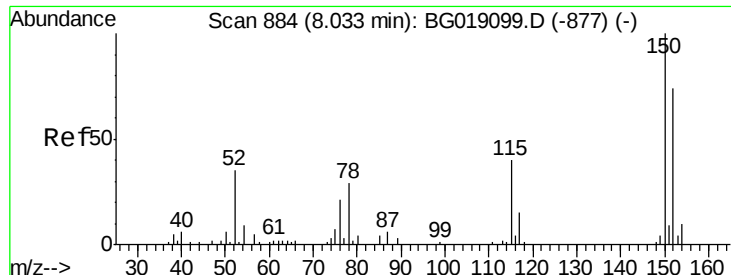
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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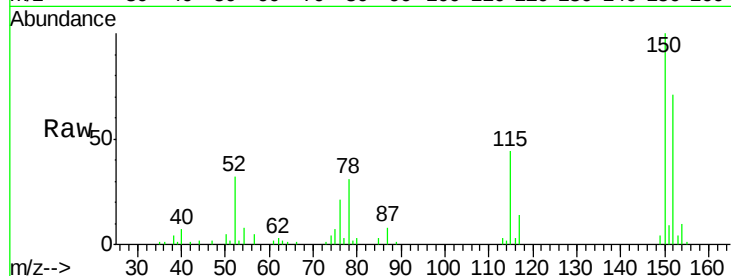


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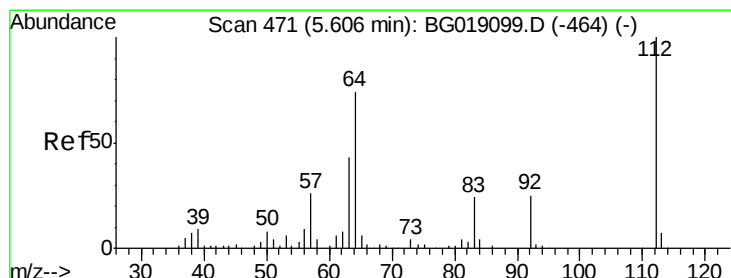
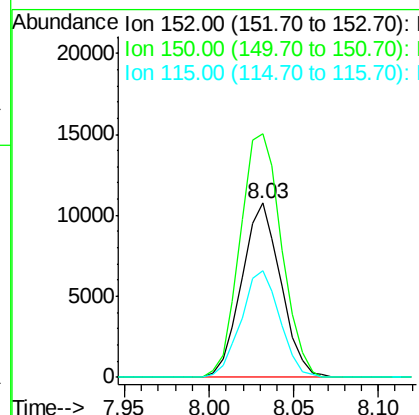
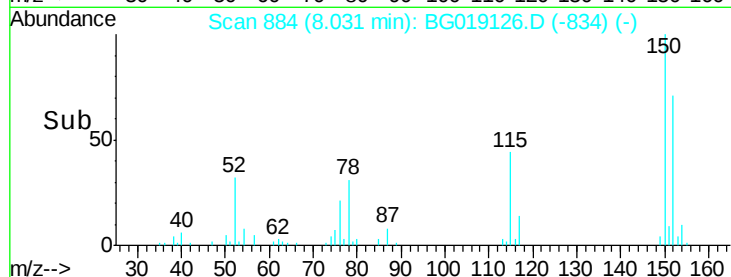
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 17313
Ion Ratio Lower Upper
152 100
150 140.0 108.2 162.2
115 61.5 43.2 64.8



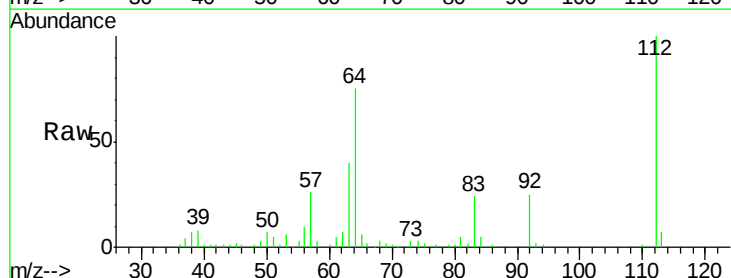
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



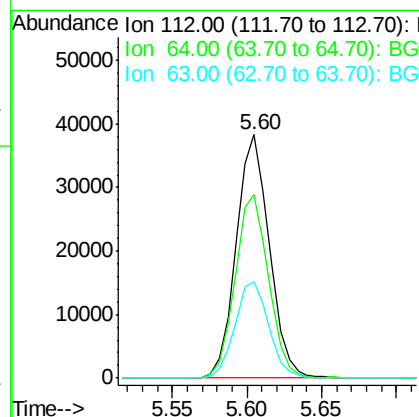
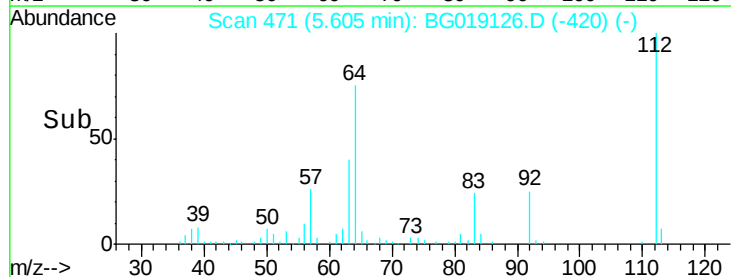
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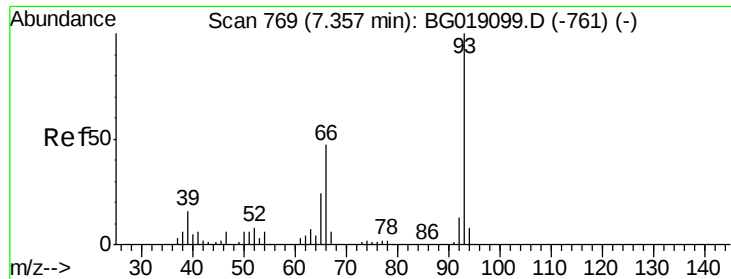
2-Fluorophenol
Concen: 69.64 ng
RT: 5.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion:112 Resp: 59217
Ion Ratio Lower Upper
112 100
64 75.2 59.0 88.4
63 39.7 34.7 52.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.06 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.21 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Instrument :

BNA_G

ClientSampleId :

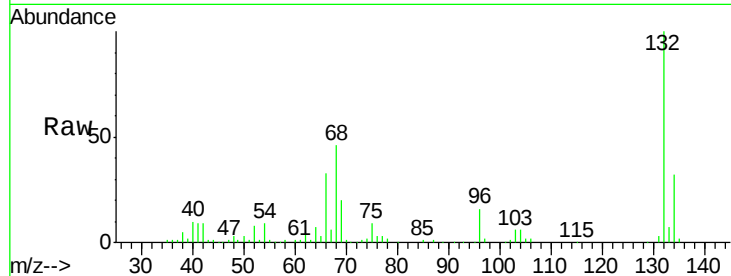
Tot Ion: 93 Resp: 110

Ion Ratio Lower Upper

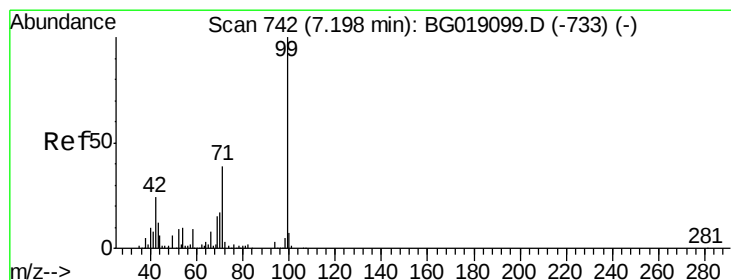
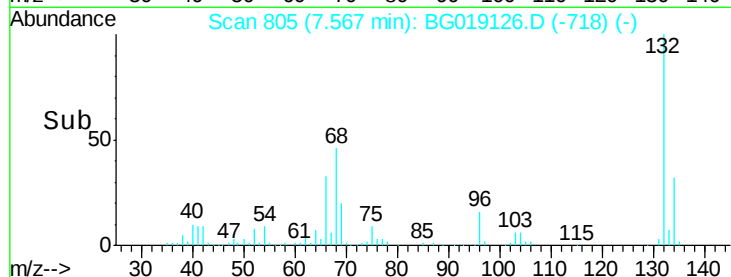
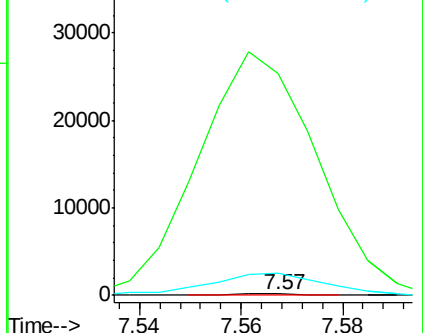
93 100

66 15914.5 37.4 56.2#

65 1591.8 19.6 29.4#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 41.59 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

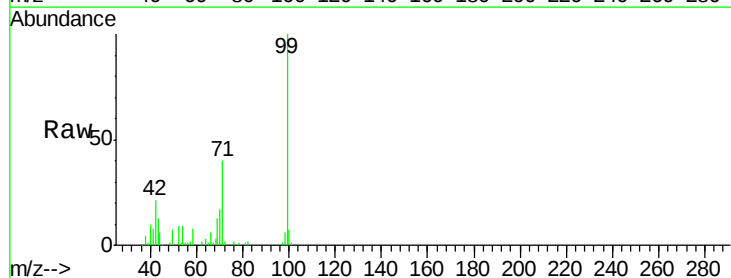
Tgt Ion: 99 Resp: 54329

Ion Ratio Lower Upper

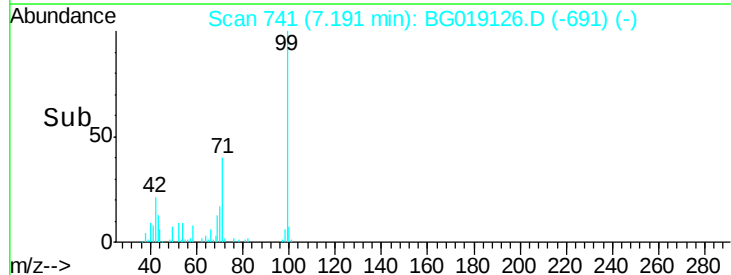
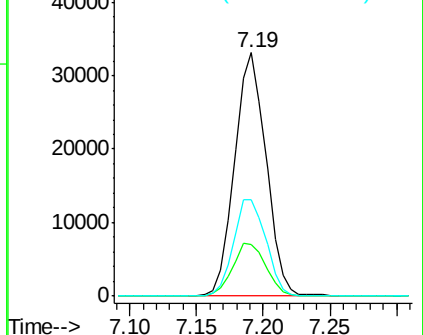
99 100

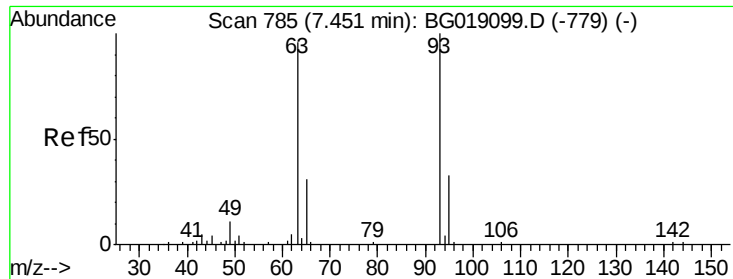
42 21.2 19.5 29.3

71 39.6 31.4 47.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC

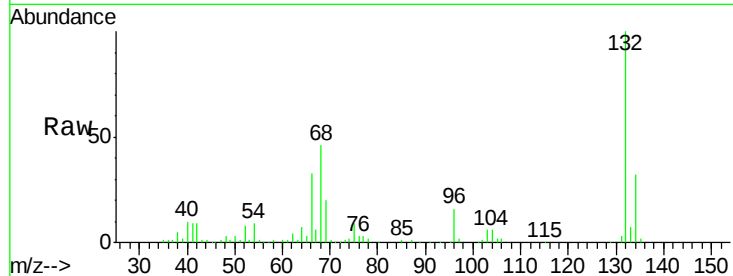




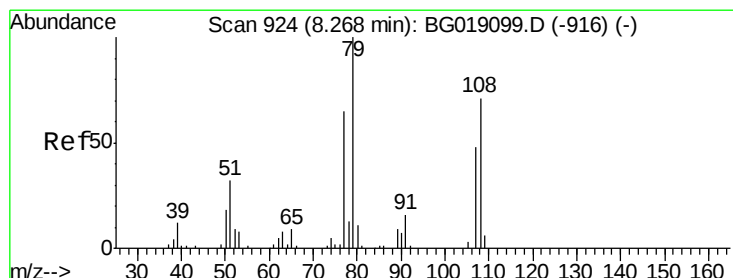
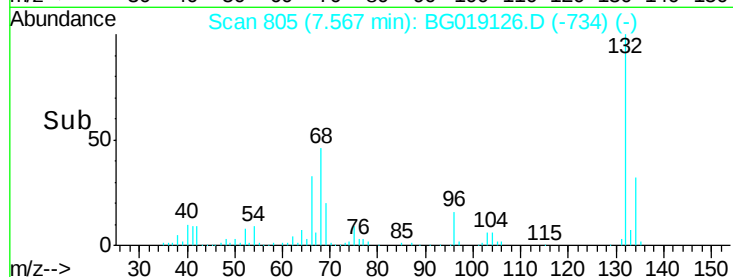
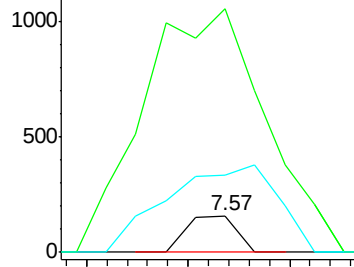
#11
bis(2-Chloroethyl)ether
Concen: 0.11 ng
RT: 7.57 min Scan# 805
Delta R.T. 0.12 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 93 Resp: 110
Ion Ratio Lower Upper
93 100
63 661.6 75.3 115.3#
95 208.2 12.9 52.9#

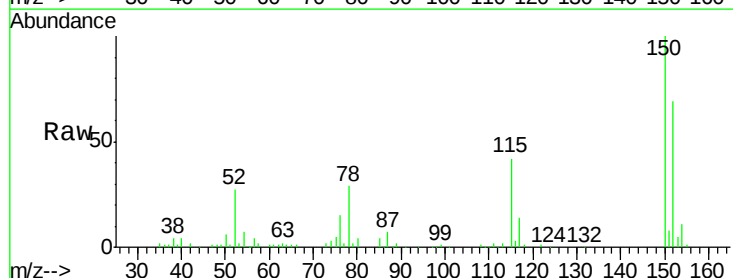


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

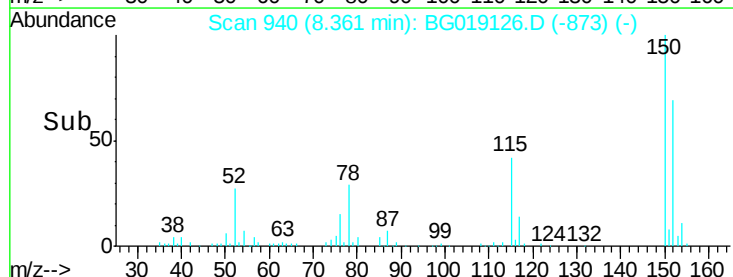
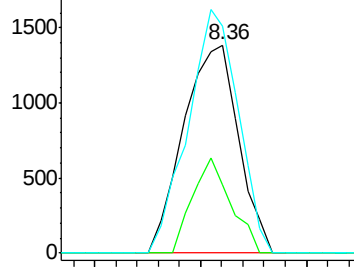


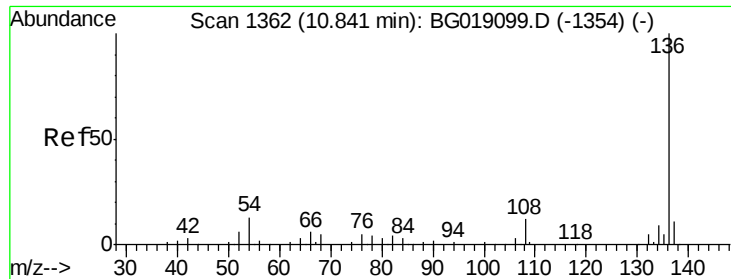
#15
Benzyl Alcohol
Concen: 2.14 ng
RT: 8.36 min Scan# 940
Delta R.T. 0.09 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion: 79 Resp: 2498
Ion Ratio Lower Upper
79 100
108 32.5 56.6 84.8#
77 109.2 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

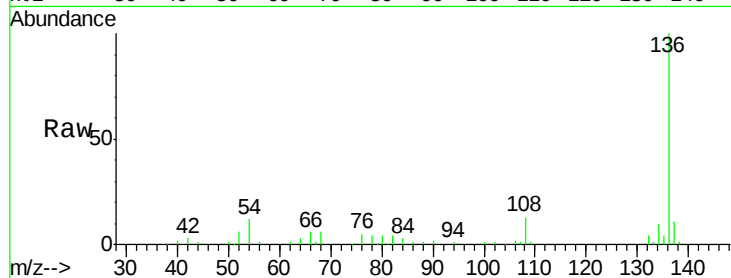




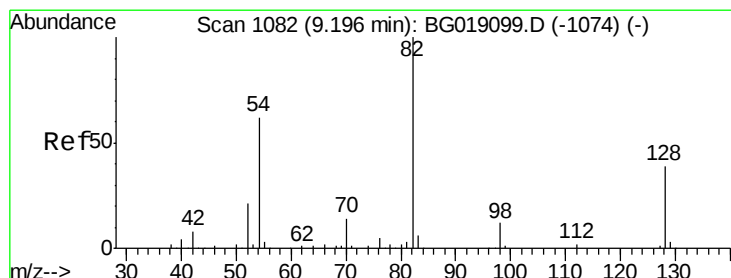
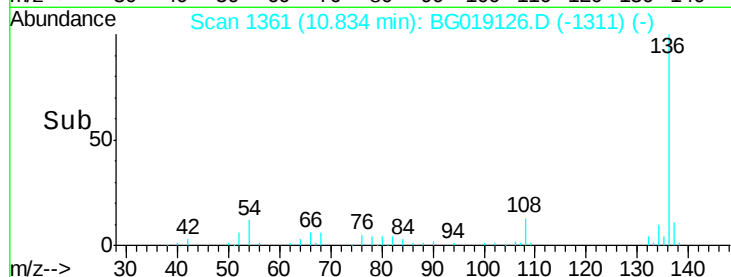
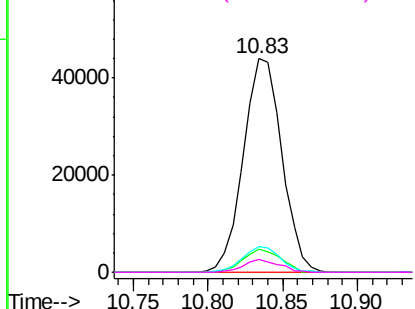
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.83 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	78456
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	11.8	10.1 15.1
68	5.9	4.4 6.6

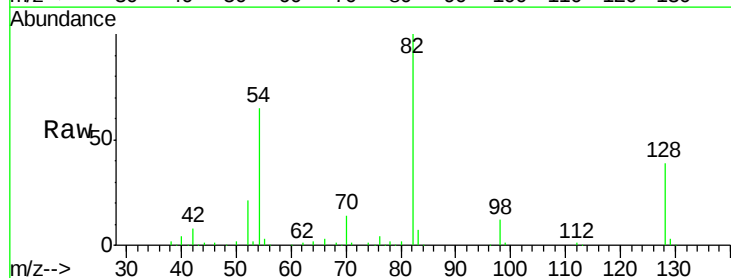


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

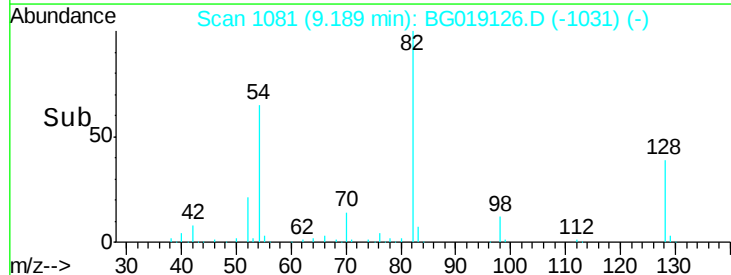
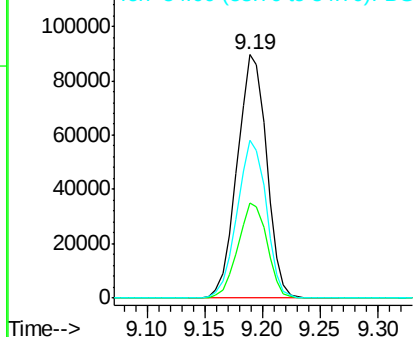


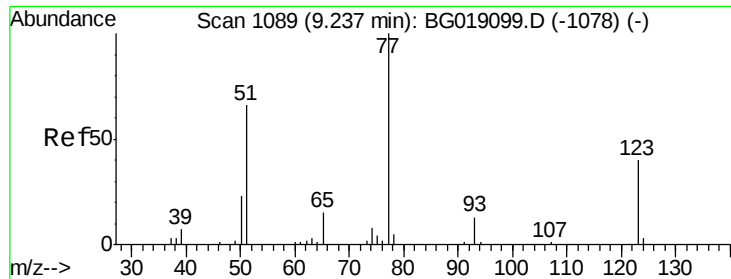
#23
Nitrobenzene-d5
Concen: 111.56 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion: 82	Resp:	158408
Ion Ratio	Lower	Upper
82	100	
128	39.3	31.4 47.2
54	64.7	50.0 75.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

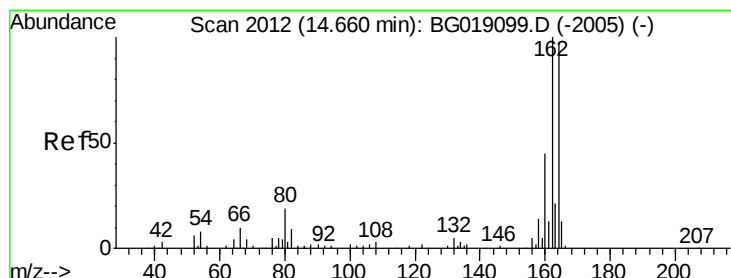
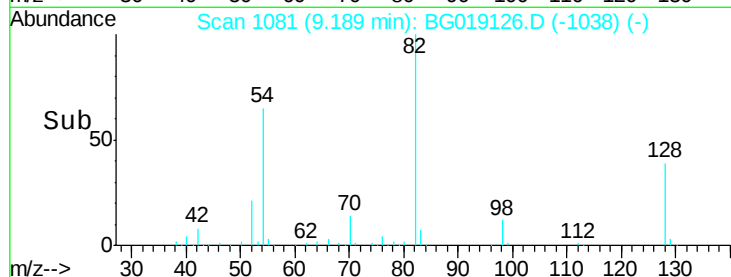
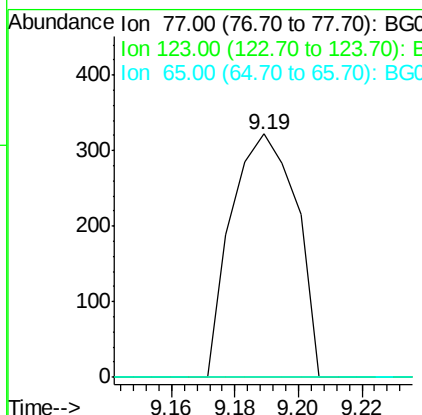
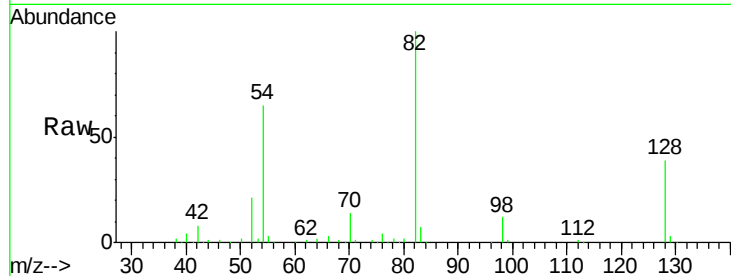




#24
 Nitrobenzene
 Concen: 0.30 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.05 min
 Lab File: BG019126.D
 Acq: 10 Oct 2015 20:37

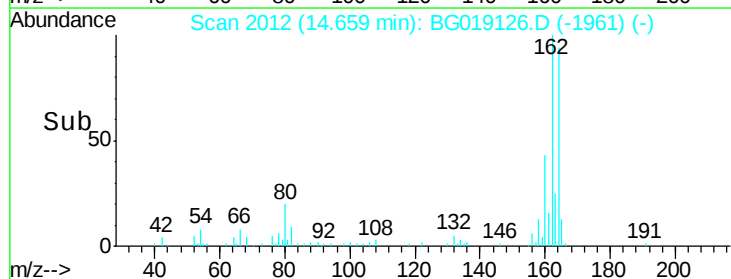
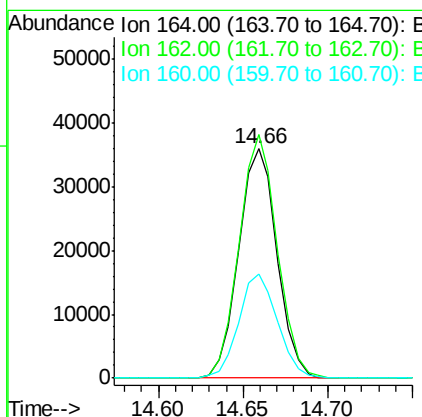
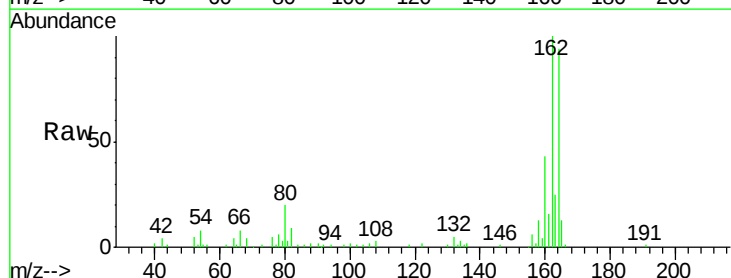
Instrument :
 BNA_G
 ClientSampleId :

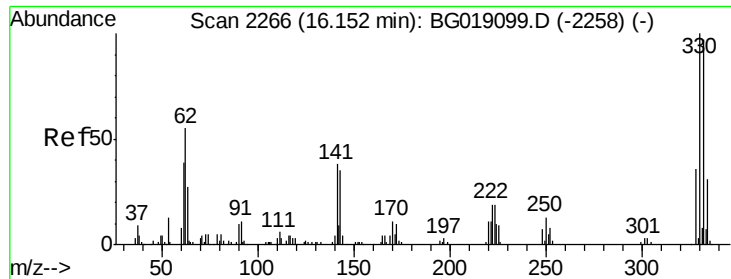
Tot Ion: 77 Resp: 456
 Ion Ratio Lower Upper
 77 100
 123 0.0 31.8 47.6#
 65 0.0 11.8 17.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.66 min Scan# 2012
 Delta R.T. 0.00 min
 Lab File: BG019126.D
 Acq: 10 Oct 2015 20:37

Tgt Ion:164 Resp: 56509
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.6 124.0
 160 45.3 36.9 55.3

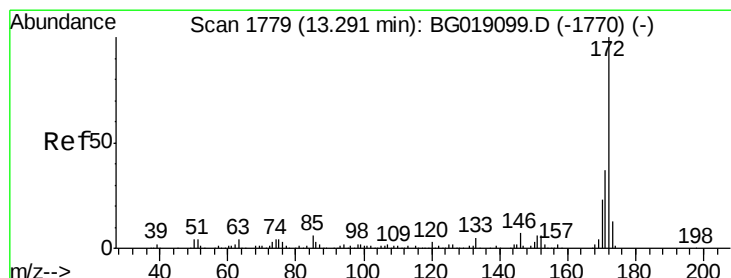
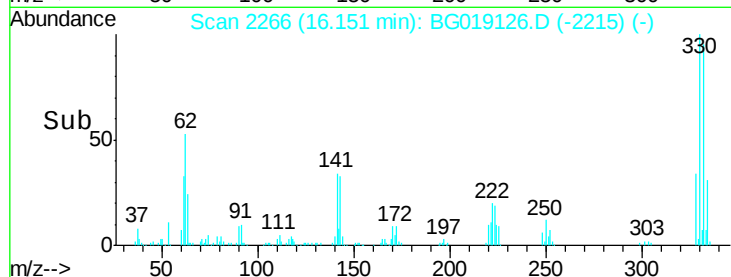
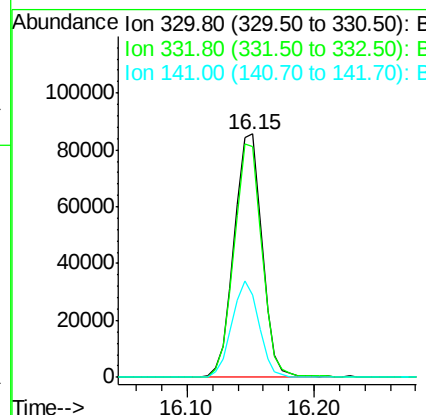
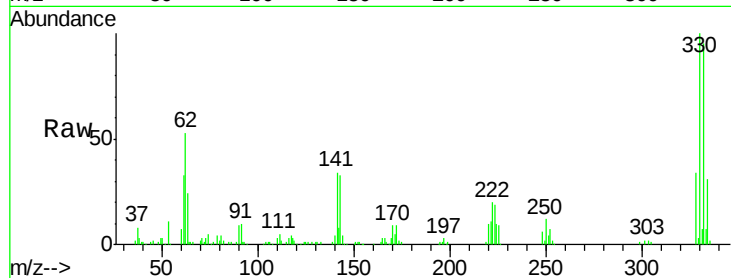




#41
 2,4,6-Tribromophenol
 Concen: 169.33 ng
 RT: 16.15 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: BG019126.D
 Acq: 10 Oct 2015 20:37

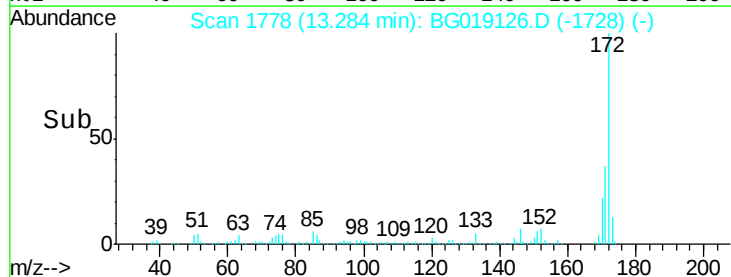
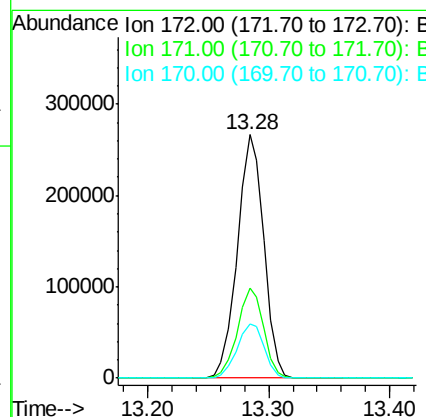
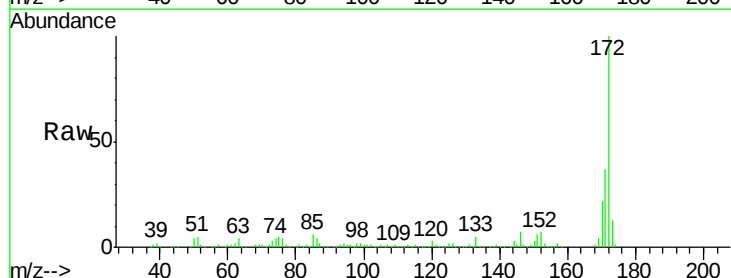
Instrument :
 BNA_G
 ClientSampled :

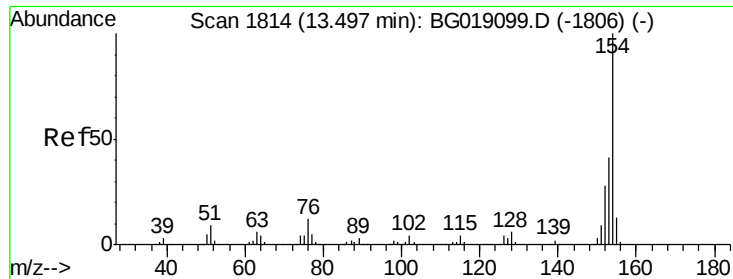
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.3	115.9
141	38.2	30.7	46.1



#44
 2-Fluorobiphenyl
 Concen: 110.23 ng
 RT: 13.28 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BG019126.D
 Acq: 10 Oct 2015 20:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	22.2	18.6	27.8





#45

1,1'-Biphenyl

Concen: 0.19 ng

RT: 13.29 min Scan# 1779

Delta R.T. -0.21 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

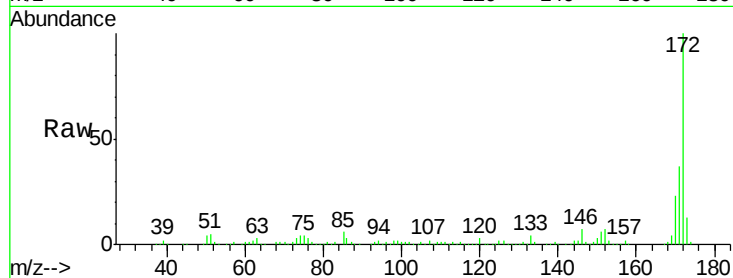
Instrument :

BNA_G

ClientSampleId :

Tot Ion:154 Resp: 781

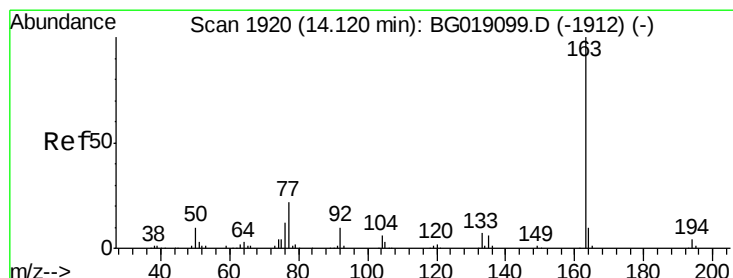
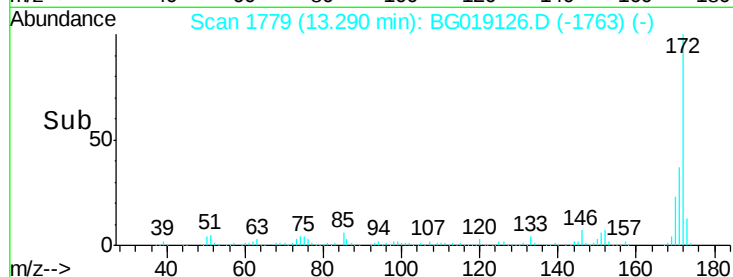
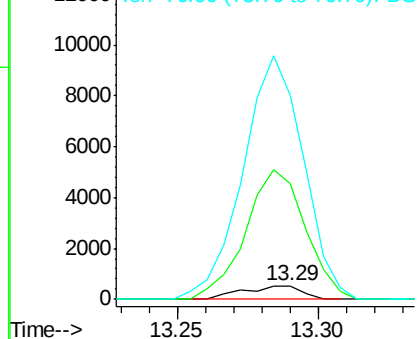
Ion	Ratio	Lower	Upper
154	100		
153	859.9	20.6	60.6#
76	1508.7	0.0	32.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#49

Dimethylphthalate

Concen: 0.62 ng

RT: 14.11 min Scan# 1918

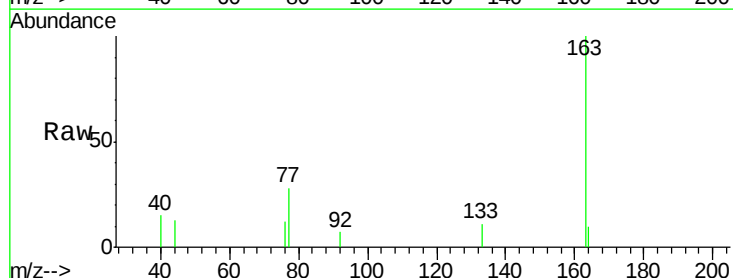
Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Tgt Ion:163 Resp: 2774

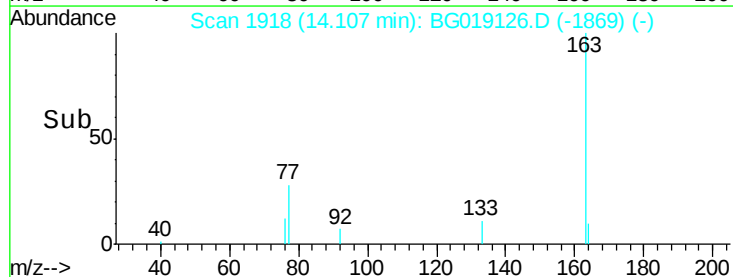
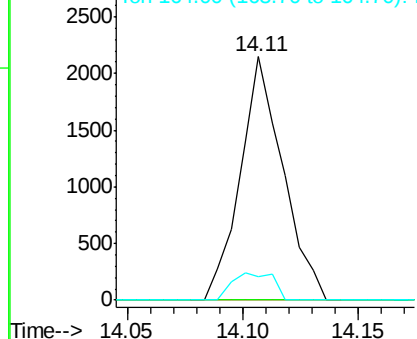
Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	9.5	8.1	12.1

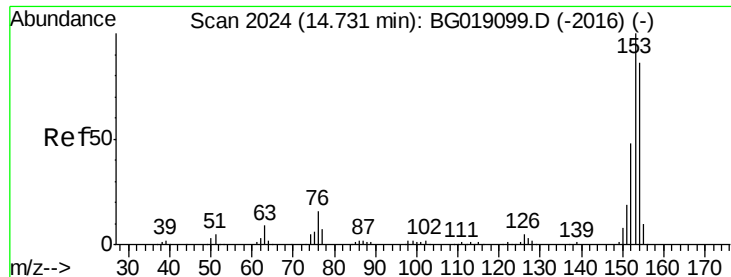


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 0.02 ng

RT: 14.66 min Scan# 2013

Delta R.T. -0.06 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Instrument :

BNA_G

ClientSampleId :

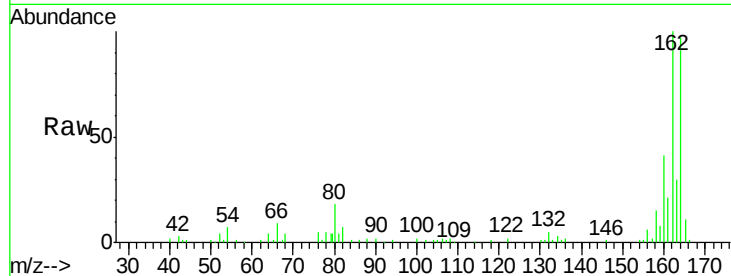
Tot Ion:154 Resp: 83

Ion Ratio Lower Upper

154 100

153 0.0 93.4 140.2#

152 0.0 44.9 67.3#



Abundance Ion 154.00 (153.70 to 154.70): E

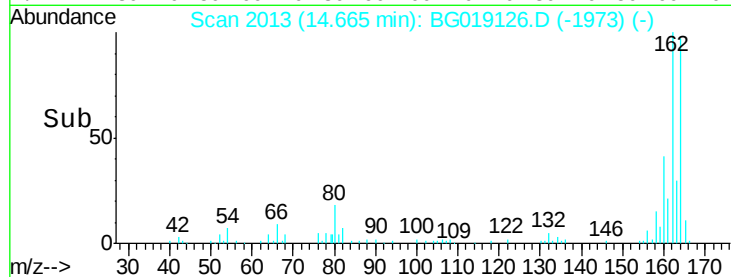
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

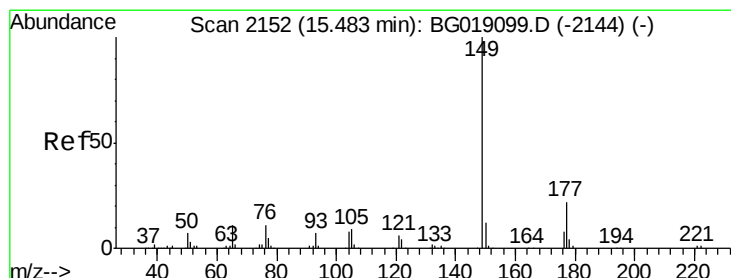
14.66

14.67

14.68



Time-->



#59

Diethylphthalate

Concen: 1.11 ng

RT: 15.47 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

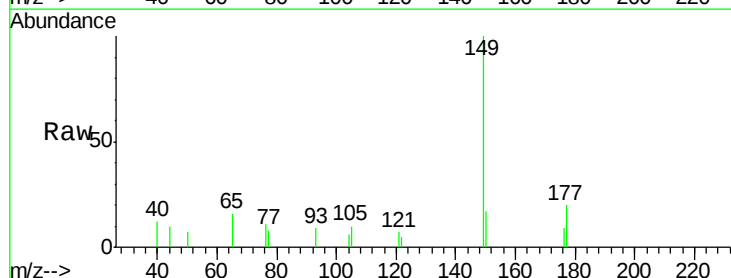
Tgt Ion:149 Resp: 5159

Ion Ratio Lower Upper

149 100

177 19.9 17.7 26.5

150 16.5 9.4 14.2#



Abundance Ion 149.00 (148.70 to 149.70): E

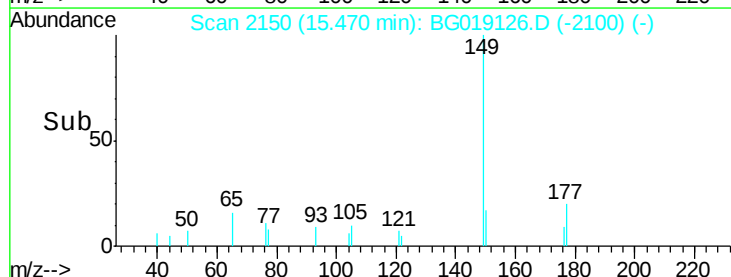
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

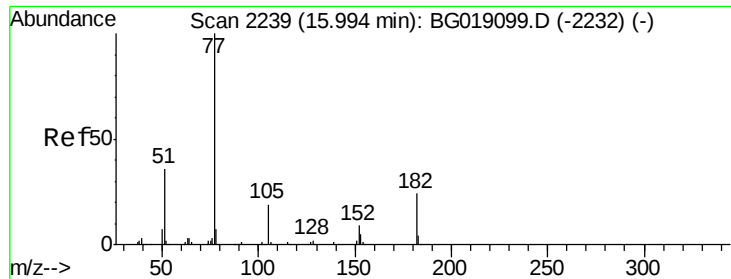
15.47

15.45

15.50



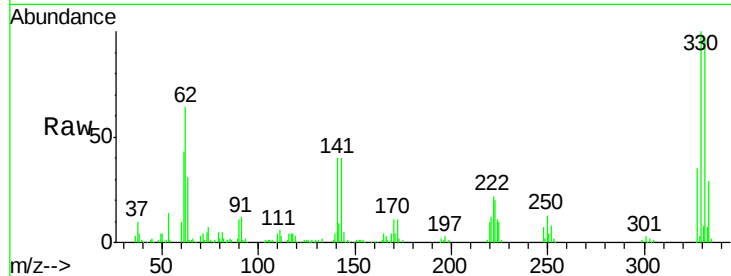
Time-->



#62
Azobenzene
Concen: 0.17 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.15 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
182	0.0	4.4	44.4#
105	93.2	0.0	39.1#
51	66.7	15.9	55.9#

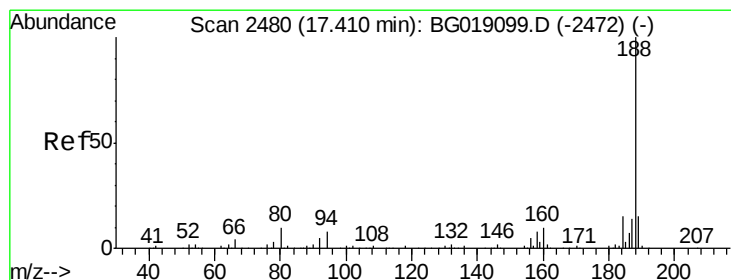
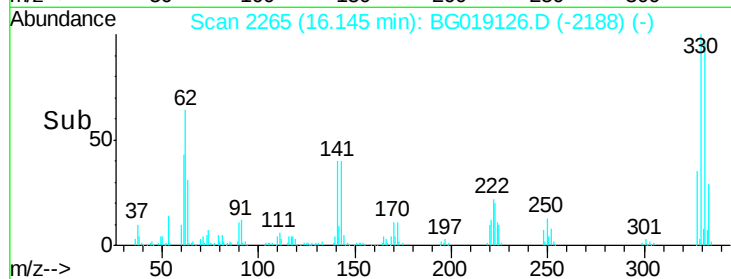
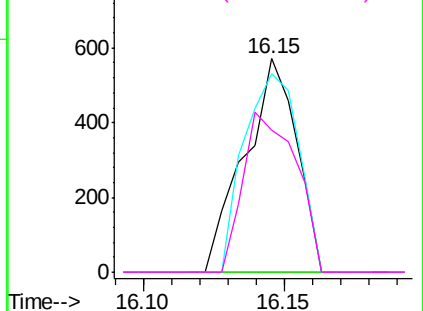


Abundance Ion 77.00 (76.70 to 77.70): BG019126.D (-2188) (-)

Ion 182.00 (181.70 to 182.70): BG019126.D (-2188) (-)

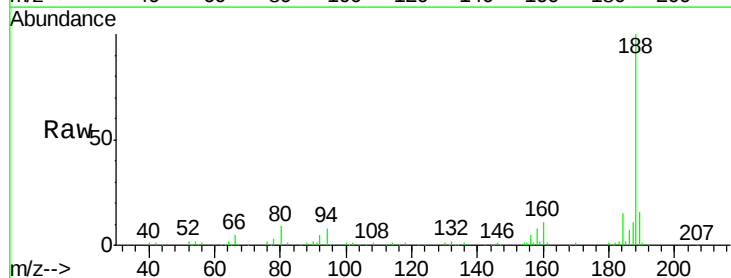
Ion 105.00 (104.70 to 105.70): BG019126.D (-2188) (-)

Ion 51.00 (50.70 to 51.70): BG019126.D (-2188) (-)



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

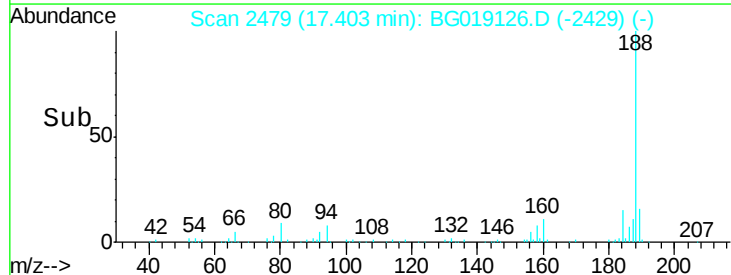
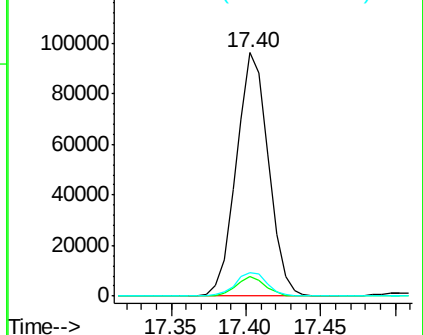
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.4	9.6
80	9.4	7.6	11.4

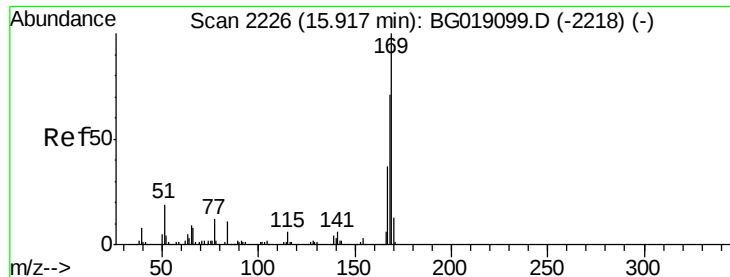


Abundance Ion 188.00 (187.70 to 188.70): BG019126.D (-2429) (-)

Ion 94.00 (93.70 to 94.70): BG019126.D (-2429) (-)

Ion 80.00 (79.70 to 80.70): BG019126.D (-2429) (-)

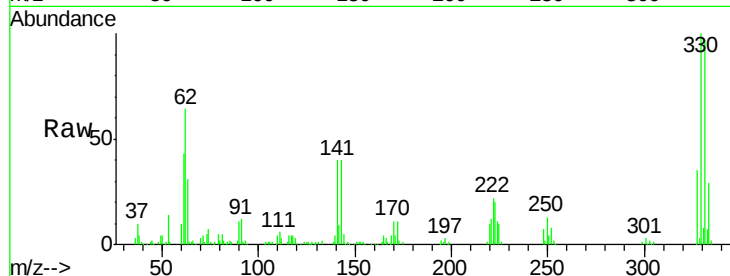




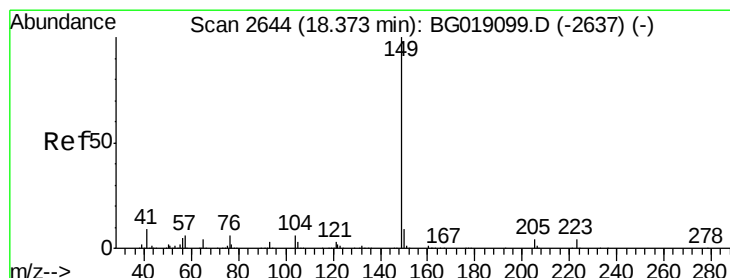
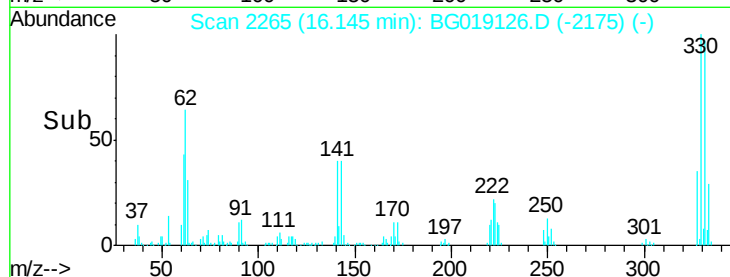
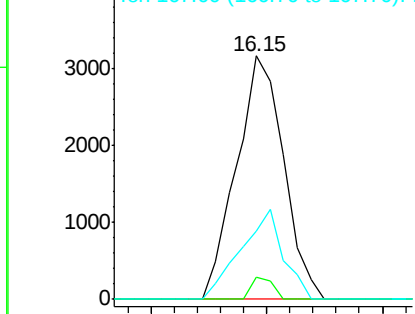
#65
n-Nitrosodiphenylamine
Concen: 1.14 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion:169 Resp: 4512
Ion Ratio Lower Upper
169 100
168 8.9 56.6 84.8#
167 27.9 30.0 45.0#

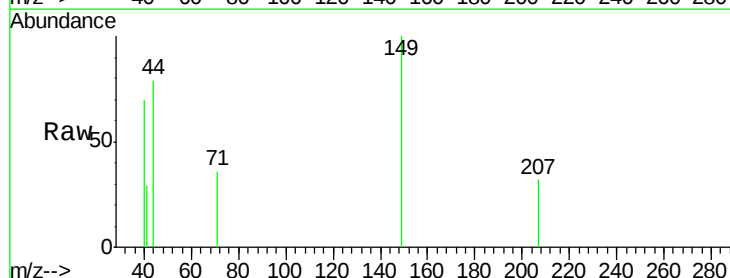


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

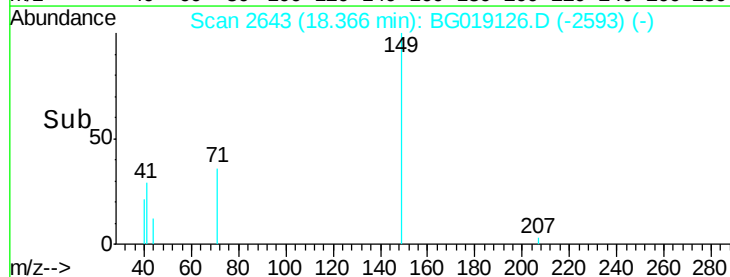
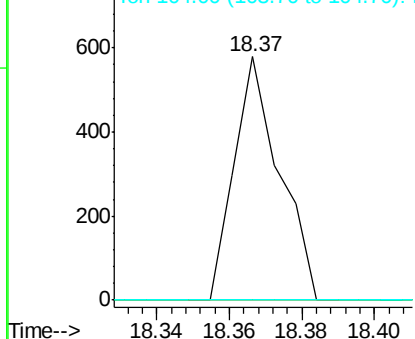


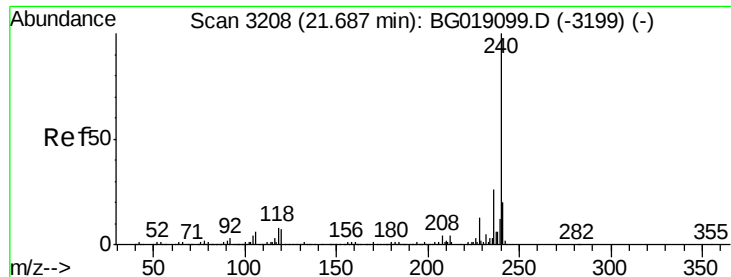
#73
Di-n-butylphthalate
Concen: 0.06 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion:149 Resp: 502
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.0 7.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.67 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Instrument :

BNA_G

ClientSampleId :

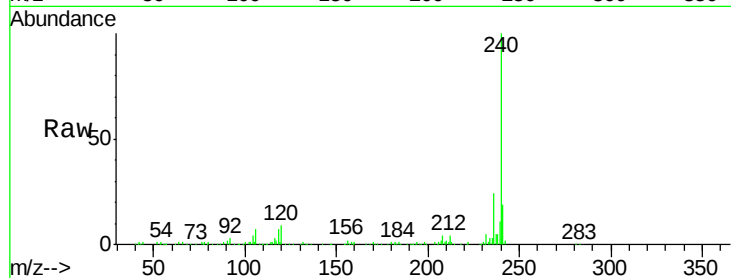
Tot Ion:240 Resp: 175391

Ion Ratio Lower Upper

240 100

120 8.7 5.8 8.6#

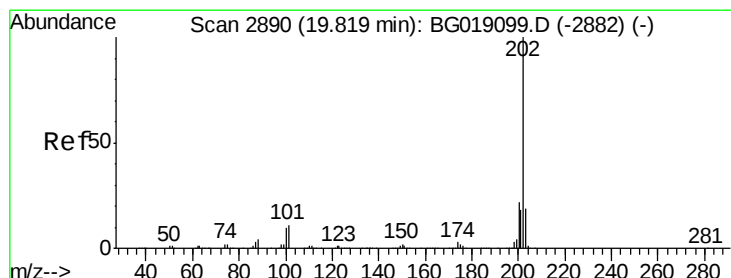
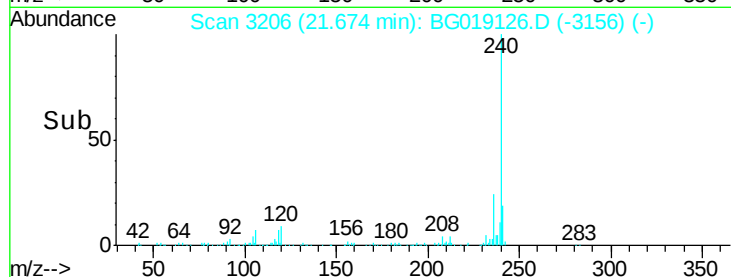
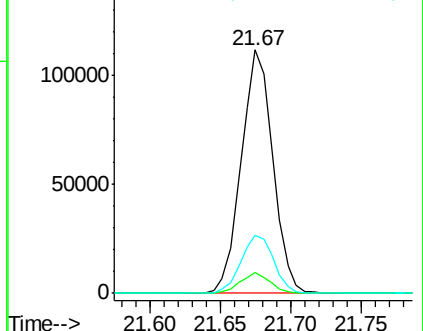
236 23.8 21.2 31.8



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: 0.28 ng

RT: 20.02 min Scan# 2925

Delta R.T. 0.21 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

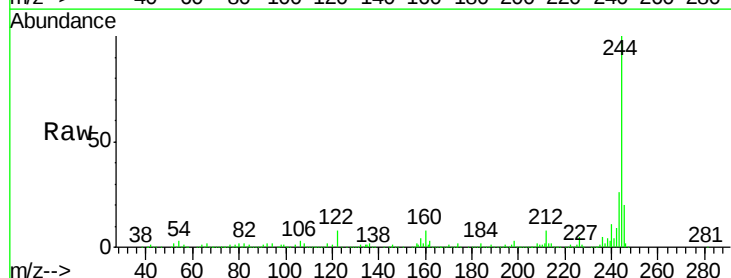
Tgt Ion:202 Resp: 2722

Ion Ratio Lower Upper

202 100

200 47.5 17.4 26.2#

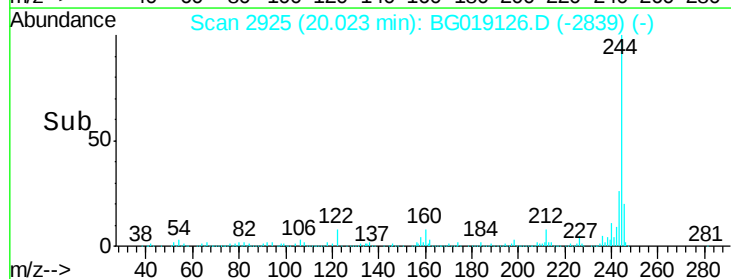
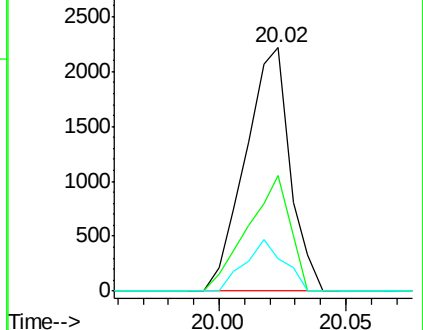
203 13.5 14.8 22.2#

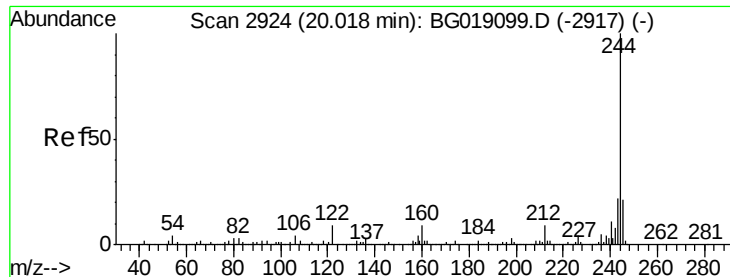


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 97.28 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Instrument :

BNA_G

ClientSampleId :

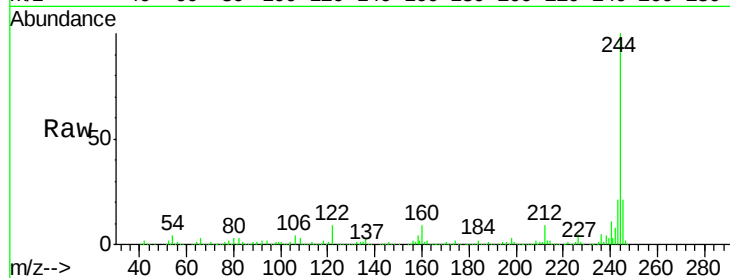
Tot Ion:244 Resp: 645903

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

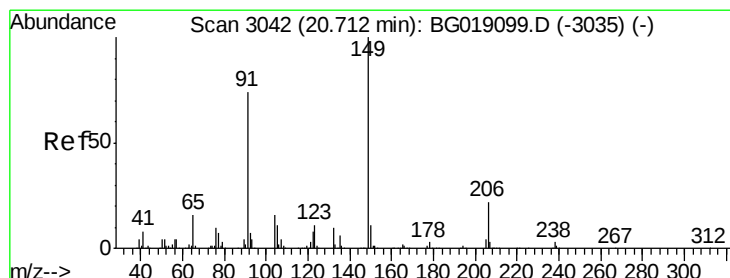
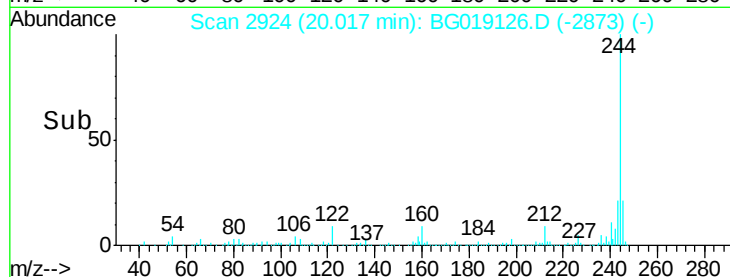
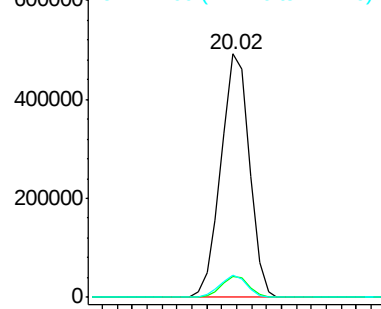
122 9.1 7.4 11.2



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



#79

Butylbenzylphthalate

Concen: 0.04 ng

RT: 20.70 min Scan# 3040

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

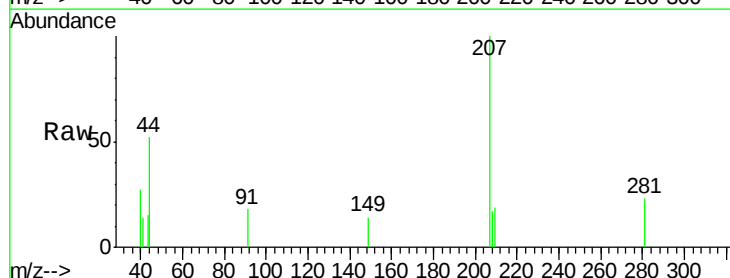
Tgt Ion:149 Resp: 179

Ion Ratio Lower Upper

149 100

91 126.9 59.2 88.8#

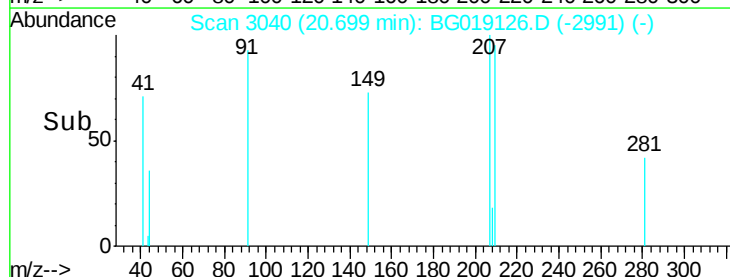
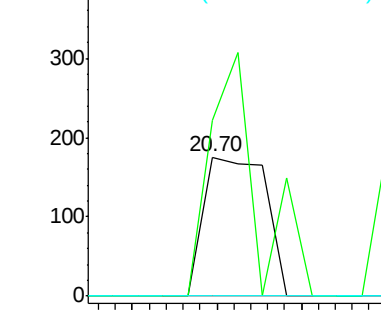
206 0.0 17.5 26.3#

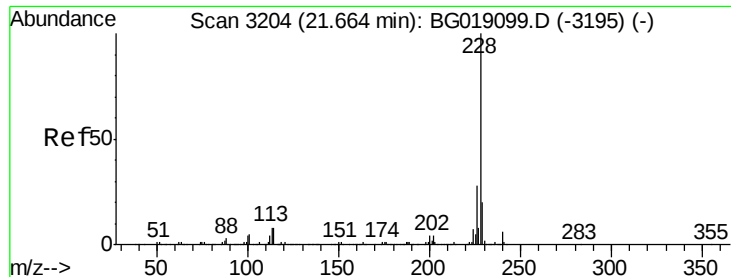


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

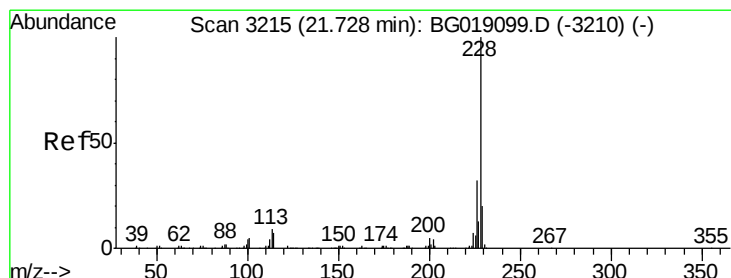
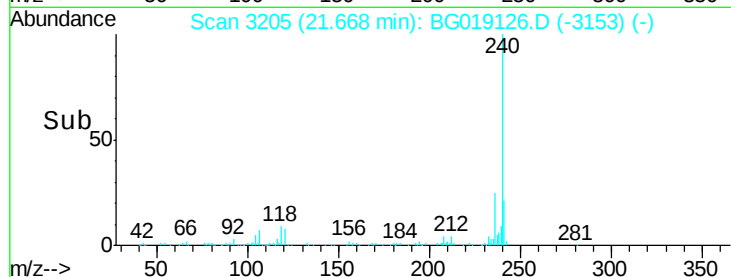
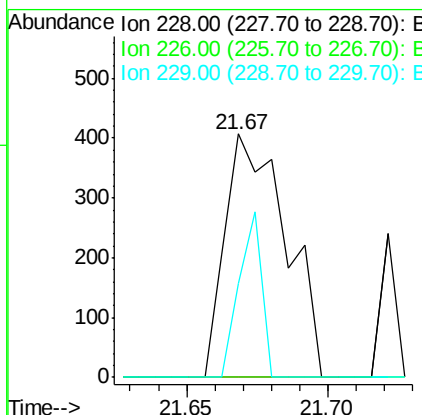
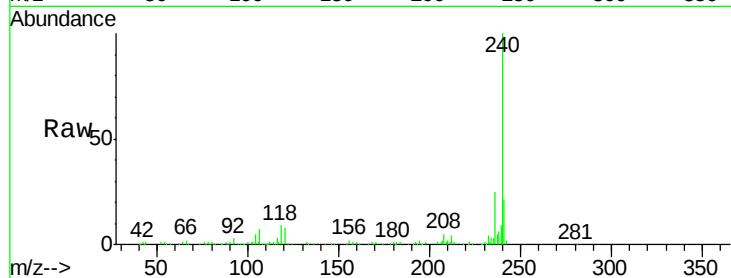




#80
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.67 min Scan# 3205
Delta R.T. 0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

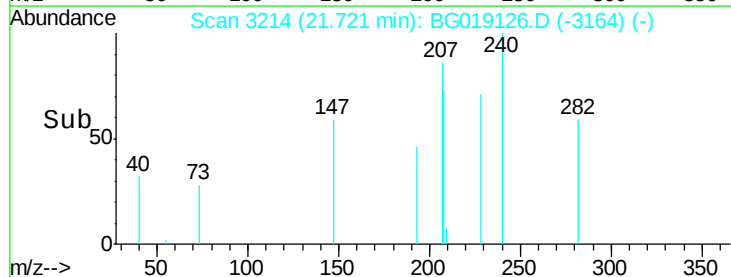
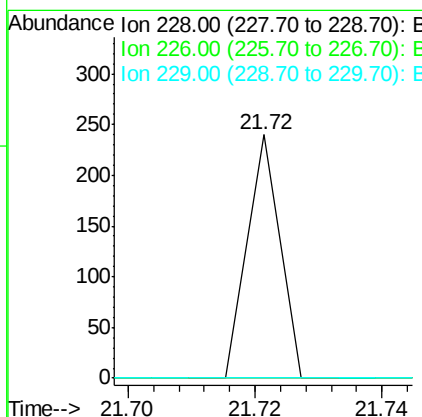
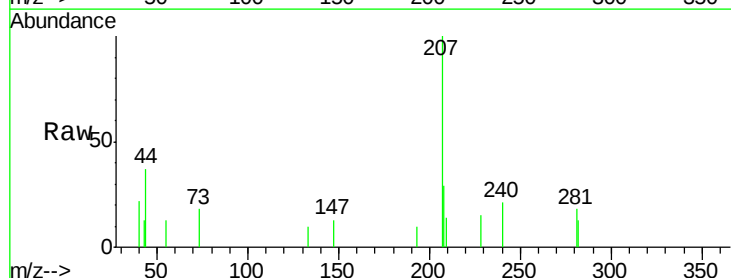
Instrument :
BNA_G
ClientSampled :

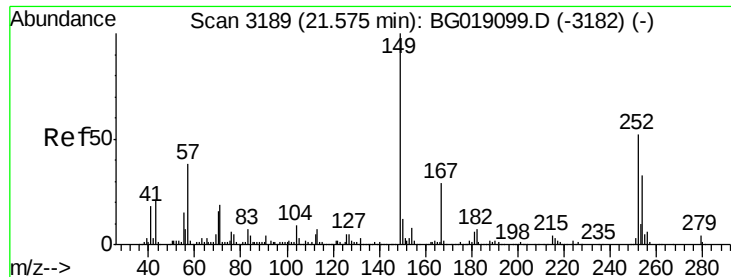
Tot Ion:228 Resp: 608
Ion Ratio Lower Upper
228 100
226 0.0 22.4 33.6#
229 38.8 16.2 24.2#



#82
Chrysene
Concen: 0.01 ng
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion:228 Resp: 85
Ion Ratio Lower Upper
228 100
226 0.0 25.2 37.8#
229 0.0 16.3 24.5#





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.57 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

Instrument :

BNA_G

ClientSampleId :

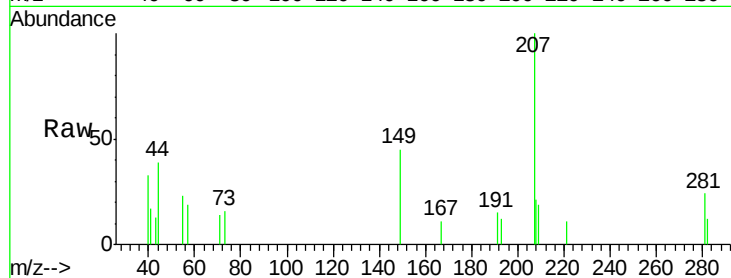
Tot Ion:149 Resp: 927

Ion Ratio Lower Upper

149 100

167 25.7 22.8 34.2

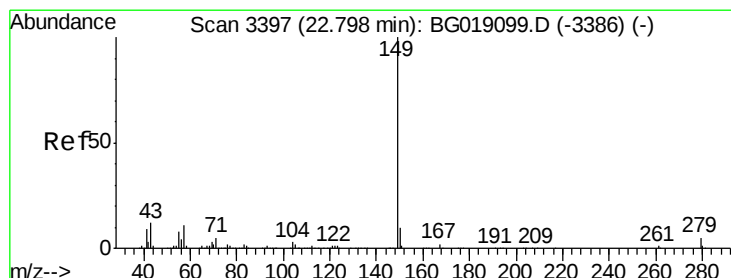
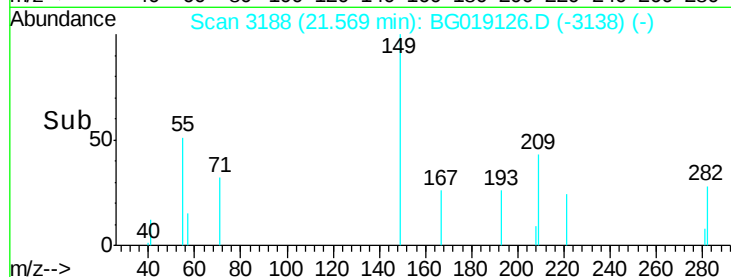
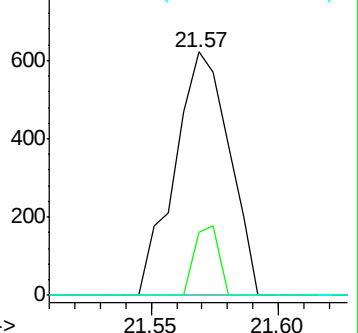
279 0.0 3.6 5.4#



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



#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 22.78 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BG019126.D

Acq: 10 Oct 2015 20:37

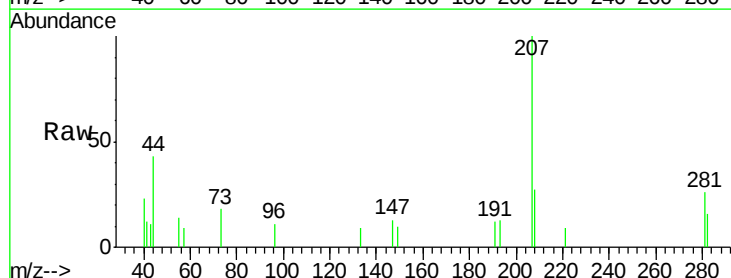
Tgt Ion:149 Resp: 114

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

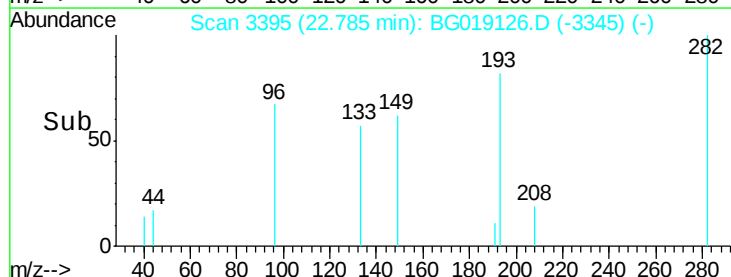
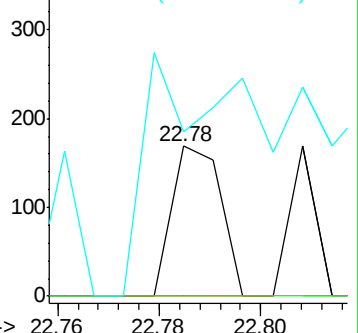
43 207.9 10.1 15.1#

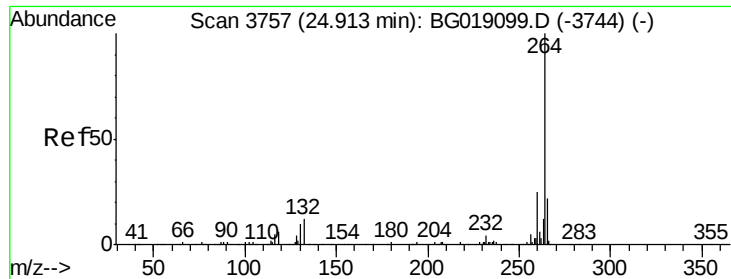


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

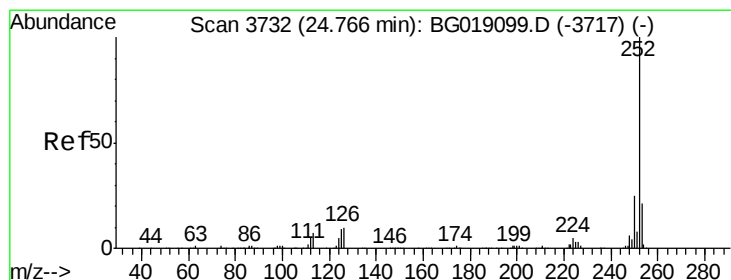
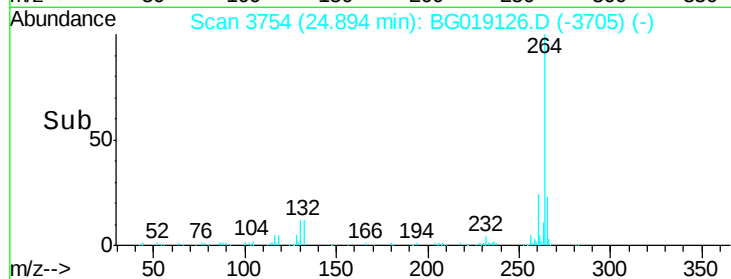
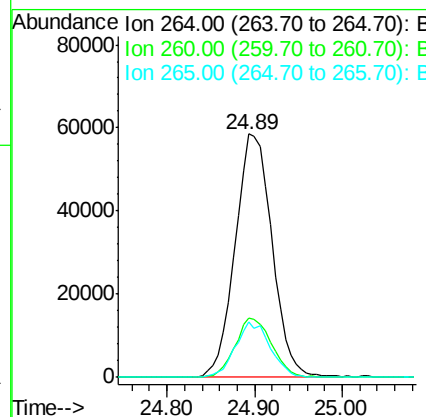
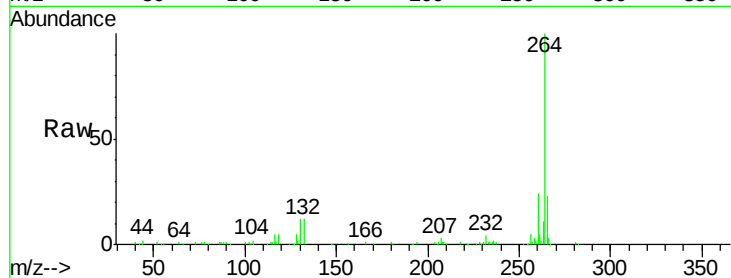




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.89 min Scan# 3754
Delta R.T. -0.01 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.1	30.1
265	23.0	17.2	25.8



#89
Benzo(a)pyrene
Concen: 0.07 ng
RT: 24.89 min Scan# 3753
Delta R.T. 0.14 min
Lab File: BG019126.D
Acq: 10 Oct 2015 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.4#
125	0.0	7.2	10.8#

