

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019116.D
 Acq On : 10 Oct 2015 14:17
 Operator : UM/NP
 Sample : PB86038BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:33:53 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

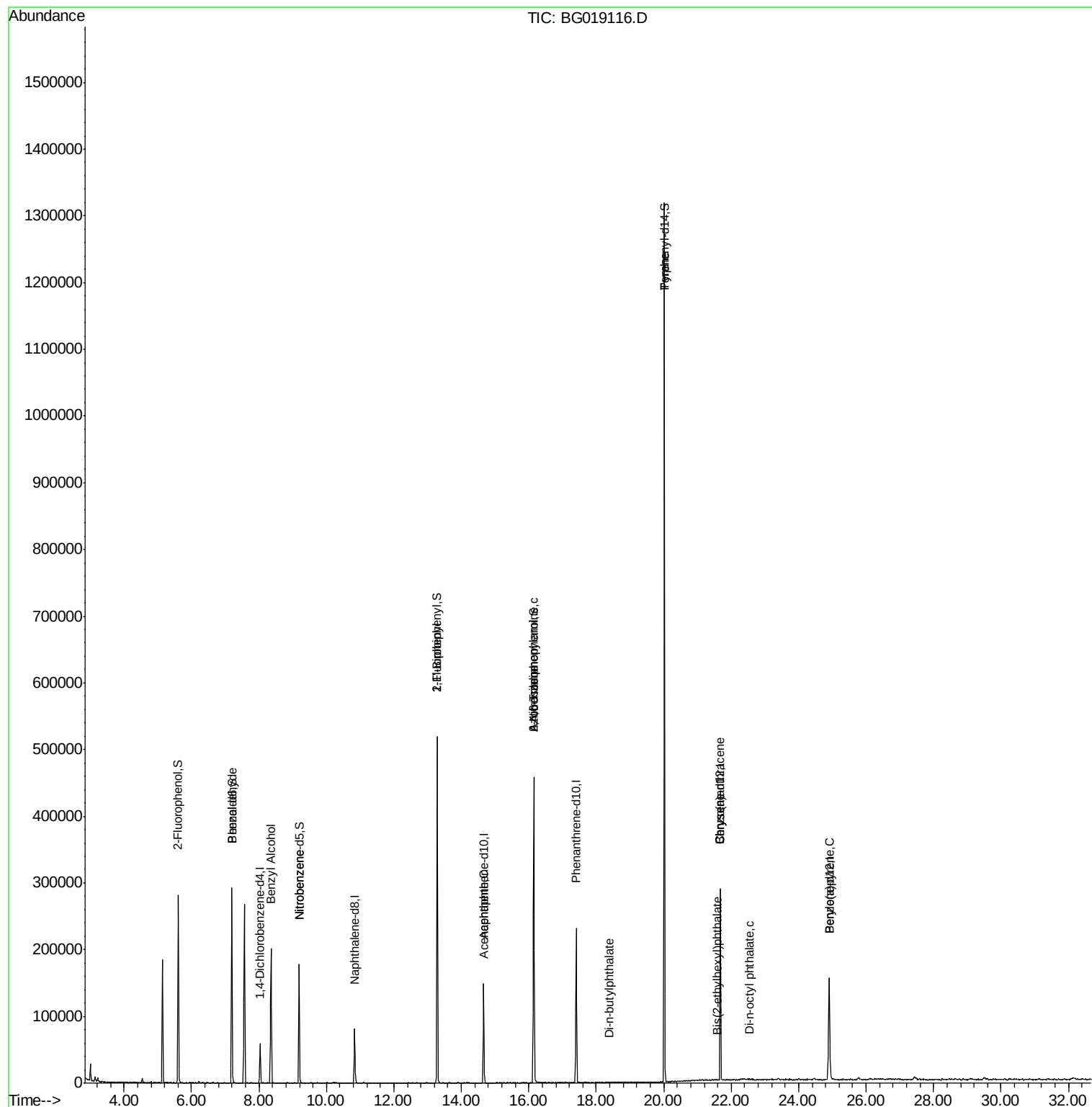
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	15504	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	67839	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	50008	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	136719	20.00	ng	0.00
75) Chrysene-d12	21.68	240	176853	20.00	ng	0.00
86) Perylene-d12	24.91	264	169043	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	102704	134.88	ng	0.00
7) Phenol-d6	7.19	99	153819	131.49	ng	0.00
23) Nitrobenzene-d5	9.19	82	103470	84.27	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	82490	121.05	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	256629	78.91	ng	0.00
78) Terphenyl-d14	20.02	244	549508	82.08	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	147	0.20	ng	# 3
15) Benzyl Alcohol	8.36	79	1693	1.62	ng	# 64
24) Nitrobenzene	9.20	77	215	0.17	ng	# 43
45) 1,1'-Biphenyl	13.29	154	408	0.11	ng	# 1
51) Acenaphthene	14.67	154	60	0.02	ng	# 3
62) Azobenzene	16.15	77	556	0.15	ng	# 40
65) n-Nitrosodiphenylamine	16.14	169	2886	0.76	ng	# 42
73) Di-n-butylphthalate	18.37	149	282	0.03	ng	# 77
77) Pyrene	20.02	202	2241	0.23	ng	# 59
80) Benzo(a)anthracene	21.68	228	681	0.07	ng	# 51
82) Chrysene	21.68	228	681	0.08	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.58	149	67	0.01	ng	# 52
84) Di-n-octyl phthalate	22.54	149	59	0.01	ng	# 1
89) Benzo(a)pyrene	24.91	252	559	0.07	ng	# 54

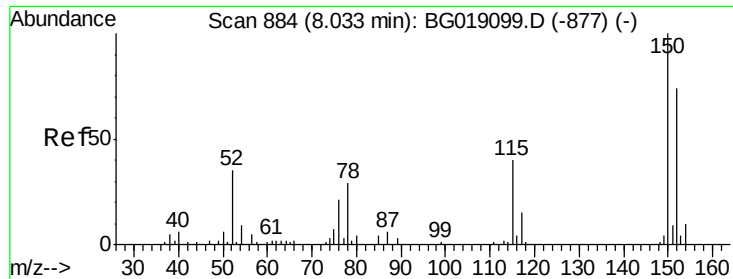
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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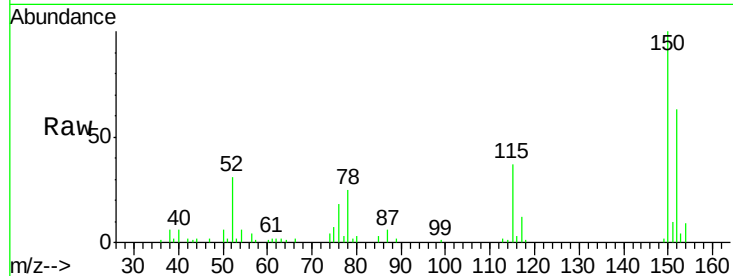


#1

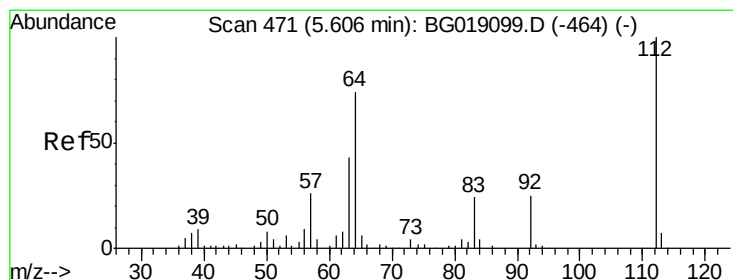
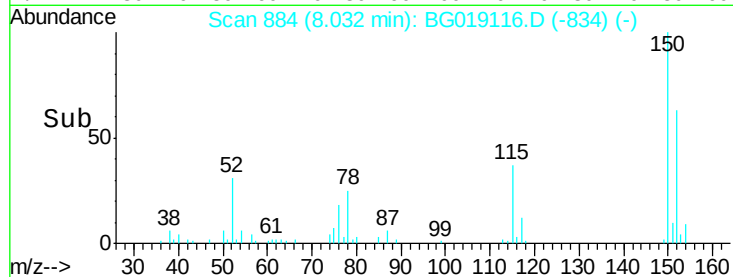
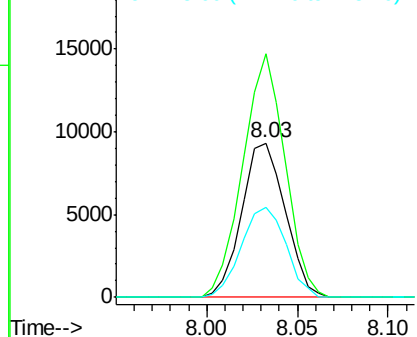
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 15504
Ion Ratio Lower Upper
152 100
150 157.6 108.2 162.2
115 58.5 43.2 64.8



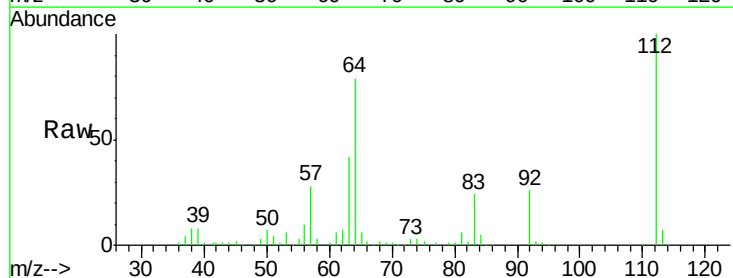
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



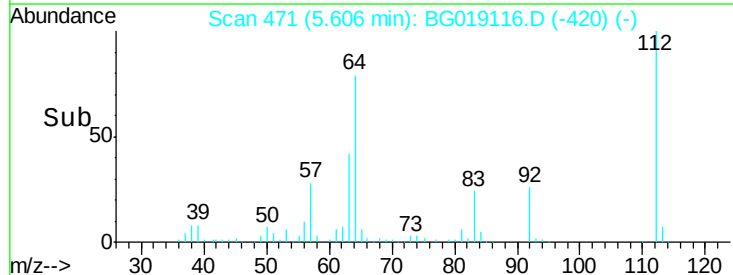
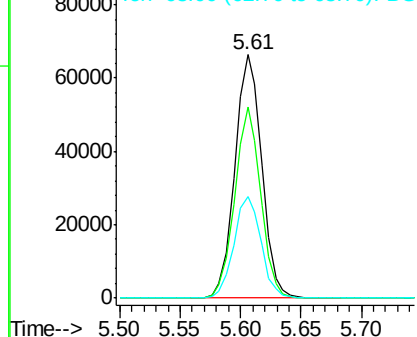
#5

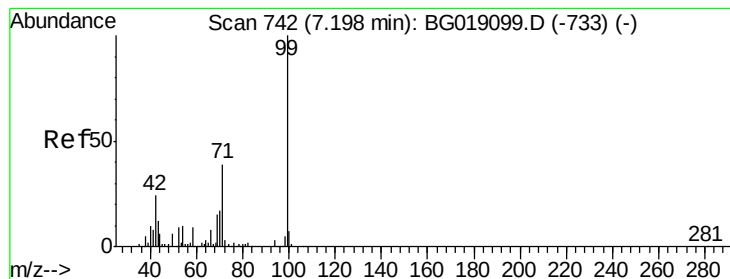
2-Fluorophenol
Concen: 134.88 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion:112 Resp: 102704
Ion Ratio Lower Upper
112 100
64 78.7 59.0 88.4
63 41.7 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





#7

Phenol-d6

Concen: 131.49 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Instrument :

BNA_G

ClientSampleId :

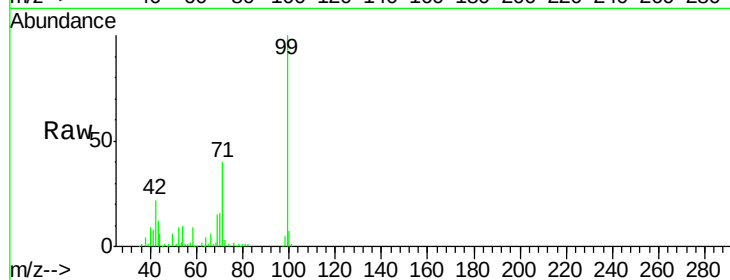
Tot Ion: 99 Resp: 153819

Ion Ratio Lower Upper

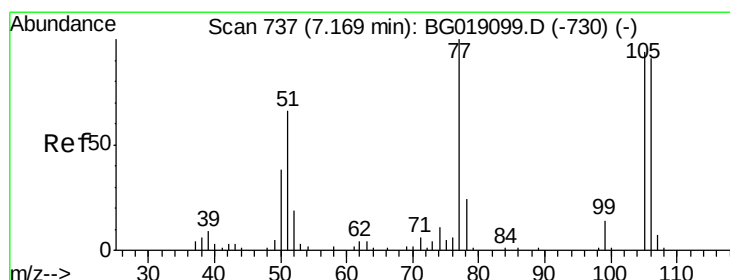
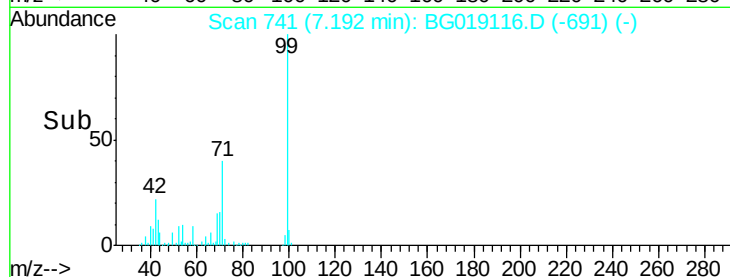
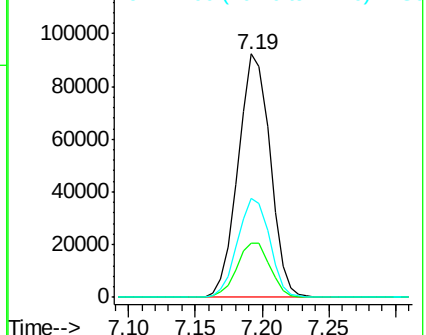
99 100

42 22.4 19.5 29.3

71 40.4 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



#9

Benzaldehyde

Concen: 0.20 ng

RT: 7.20 min Scan# 742

Delta R.T. 0.03 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

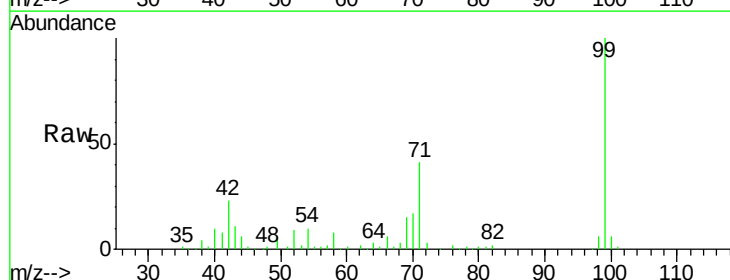
Tgt Ion: 77 Resp: 147

Ion Ratio Lower Upper

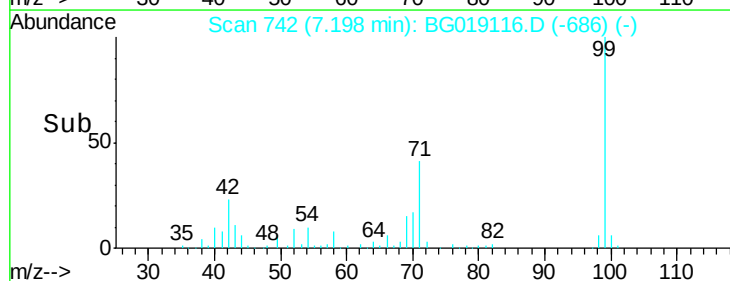
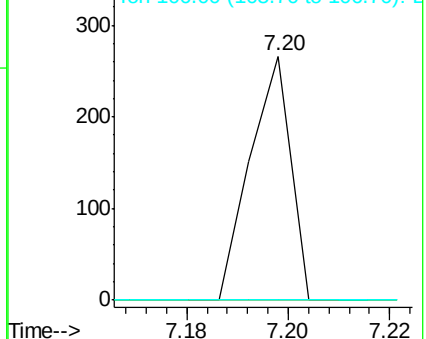
77 100

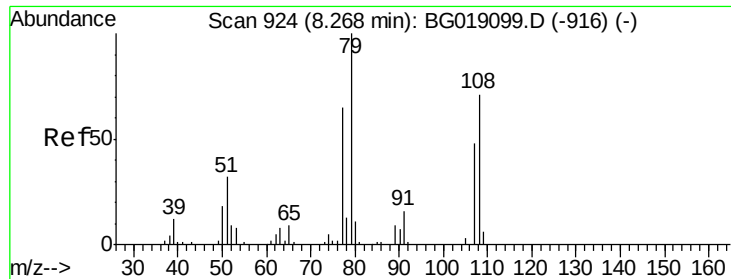
105 0.0 73.7 113.7#

106 0.0 71.0 111.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

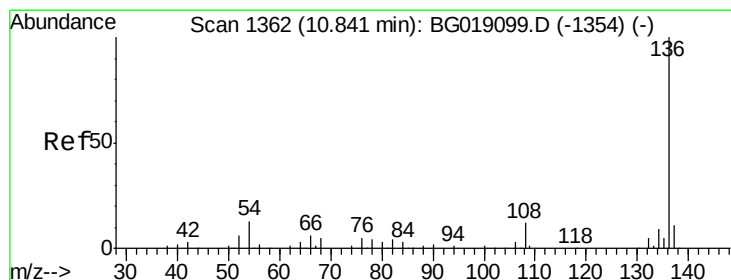
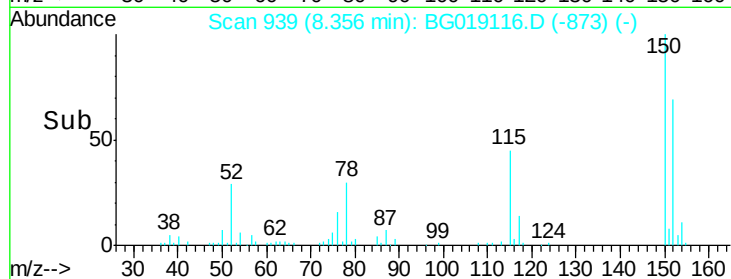
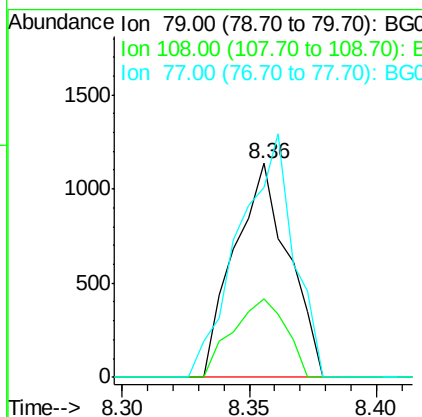
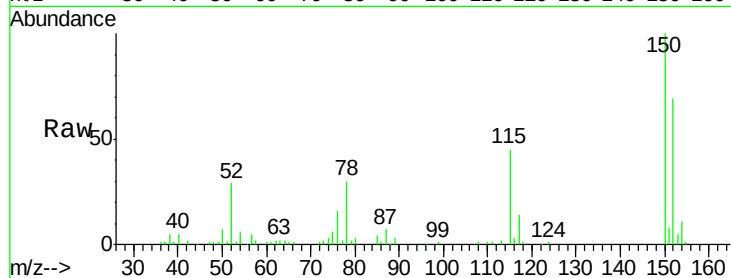




#15
Benzyl Alcohol
Concen: 1.62 ng
RT: 8.36 min Scan# 939
Delta R.T. 0.09 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

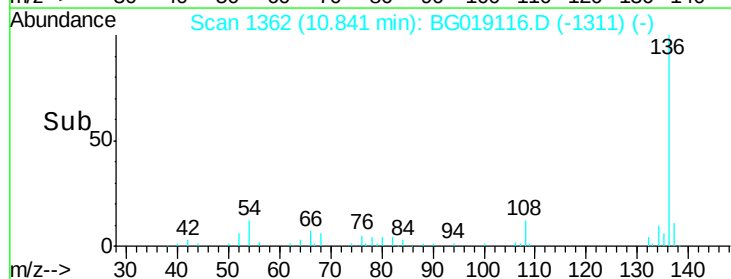
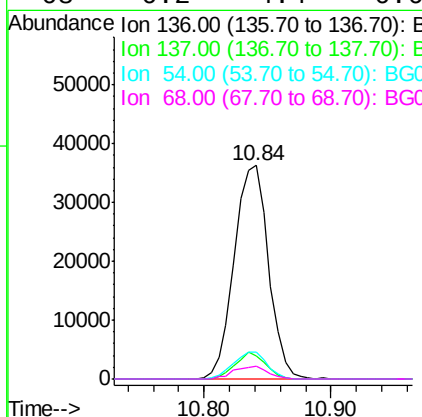
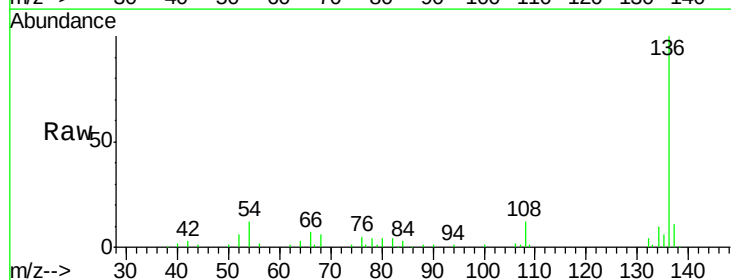
Instrument :
BNA_G
ClientSampleId :

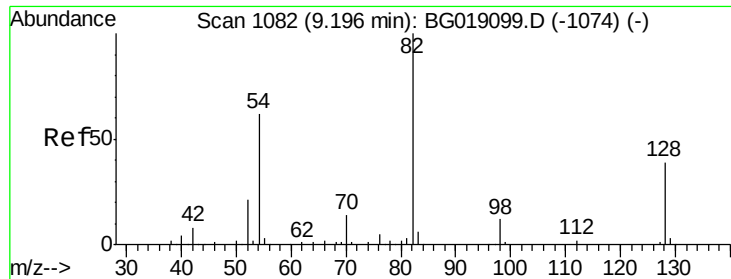
Tot Ion: 79 Resp: 1693
Ion Ratio Lower Upper
79 100
108 36.7 56.6 84.8#
77 88.9 51.6 77.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion: 136 Resp: 67839
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 12.4 10.1 15.1
68 6.2 4.4 6.6

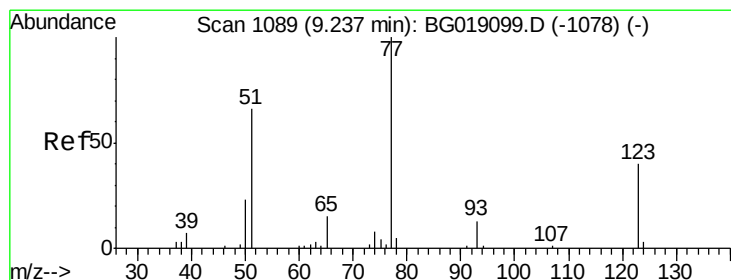
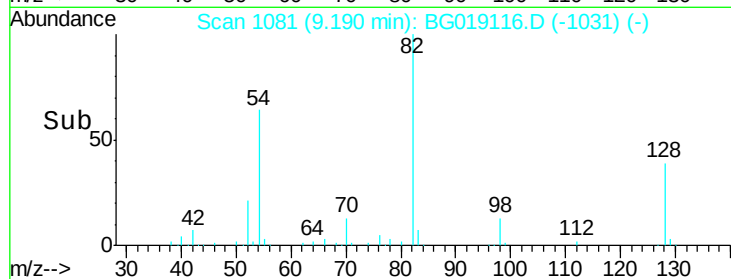
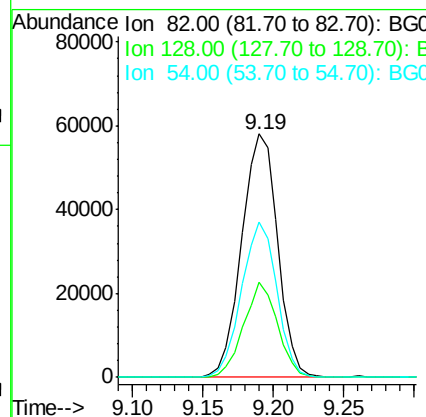
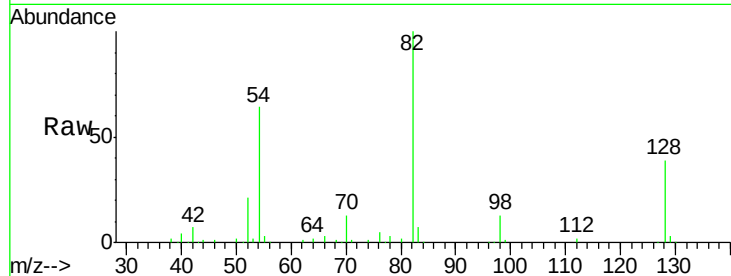




#23
Nitrobenzene-d5
Concen: 84.27 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

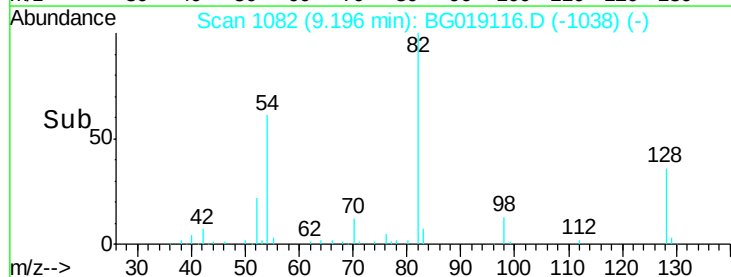
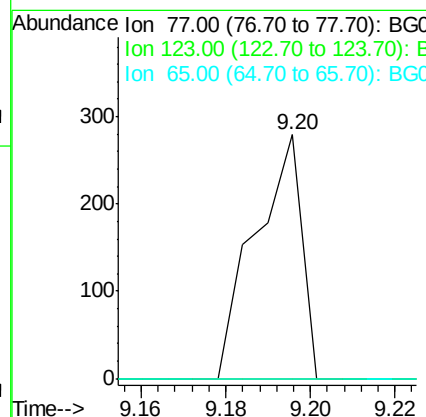
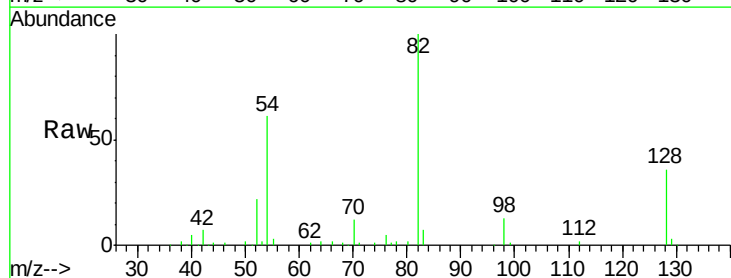
Instrument :
BNA_G
ClientSampled :

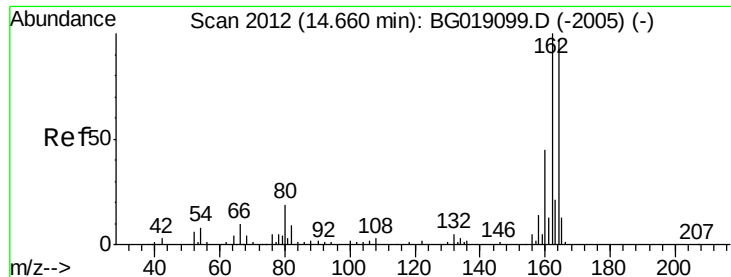
Tot Ion	82	Resp	103470
Ion Ratio	100	Lower	Upper
128	39.3	31.4	47.2
54	63.6	50.0	75.0



#24
Nitrobenzene
Concen: 0.17 ng
RT: 9.20 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion	77	Resp	215
Ion Ratio	100	Lower	Upper
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# 1212

Delta R.T. 0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

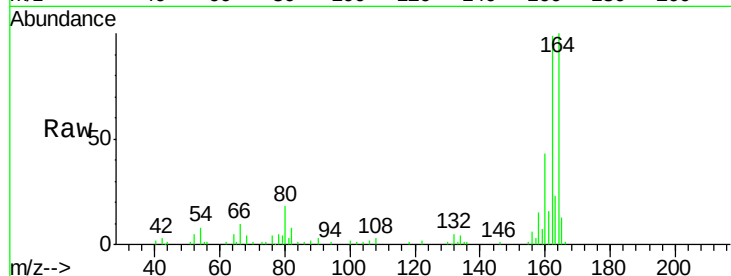
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 50008

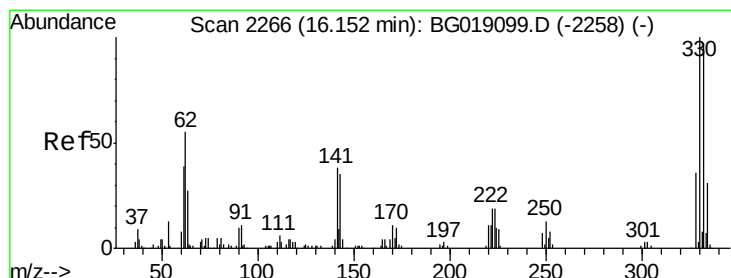
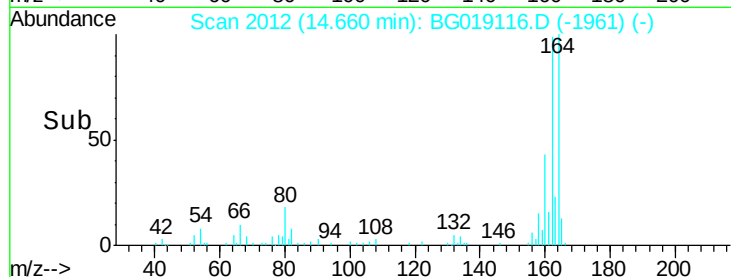
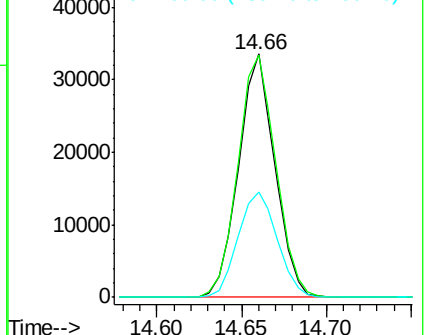
Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.6	124.0
160	43.1	36.9	55.3



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: 121.05 ng

RT: 16.15 min Scan# 2265

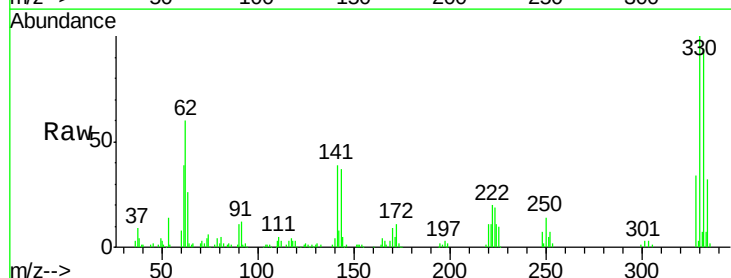
Delta R.T. -0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Tgt Ion:330 Resp: 82490

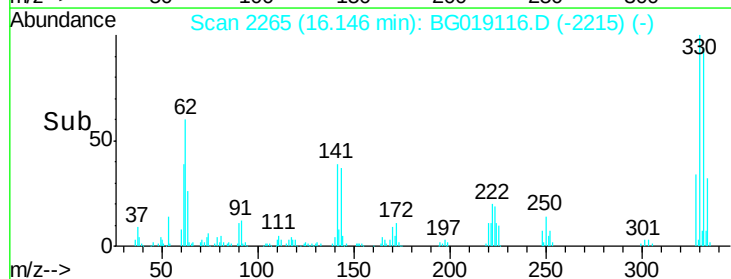
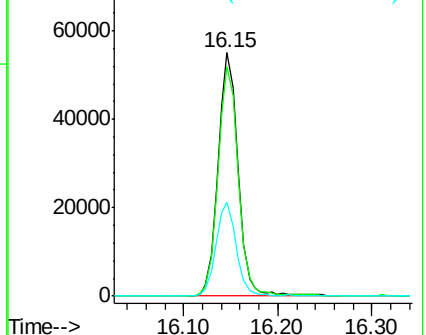
Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	38.9	30.7	46.1

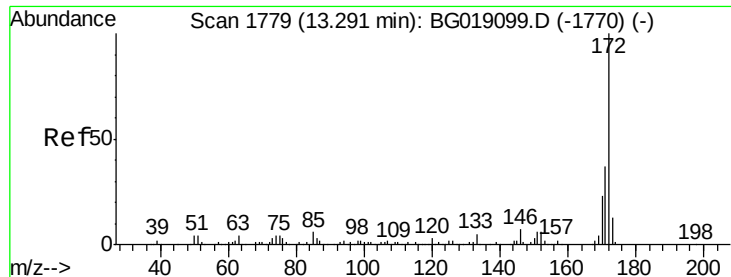


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

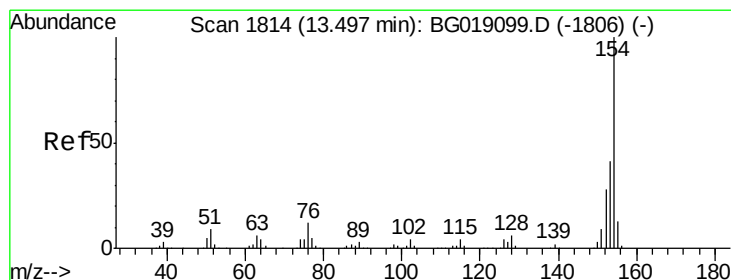
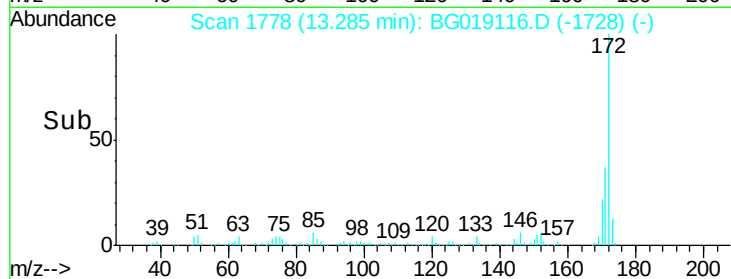
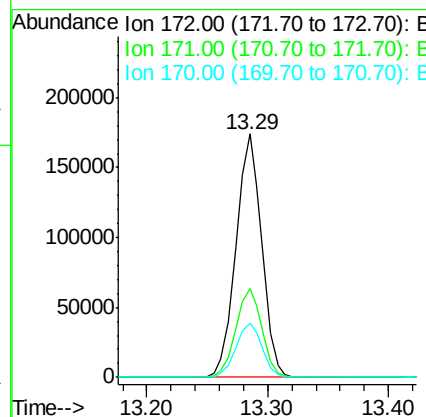
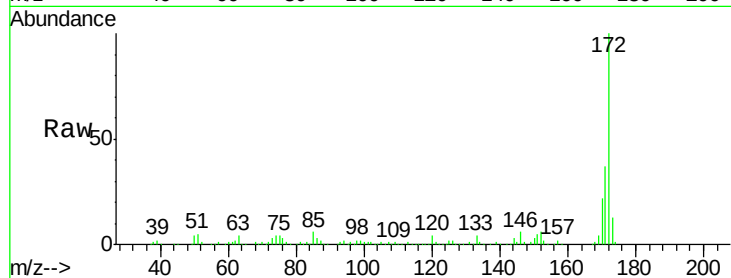




#44
2-Fluorobiphenyl
Concen: 78.91 ng
RT: 13.29 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

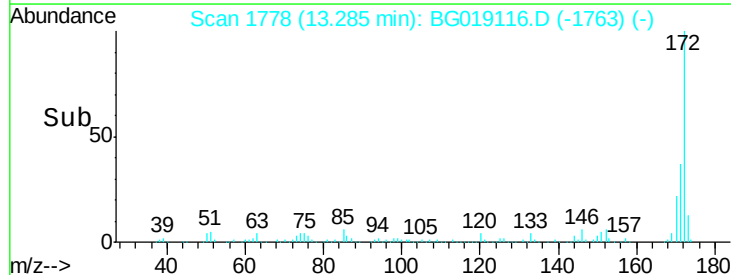
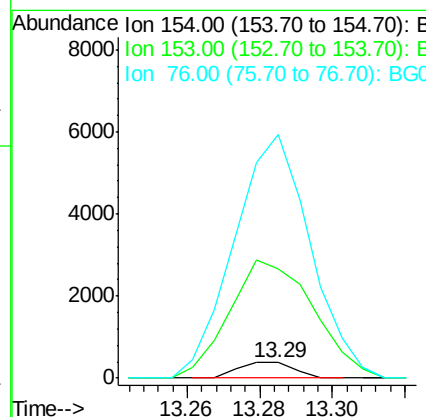
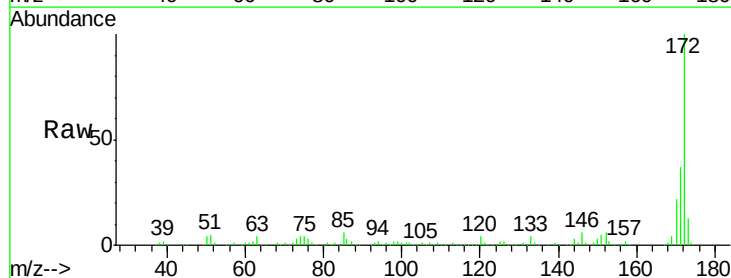
Instrument :
BNA_G
ClientSampleId :

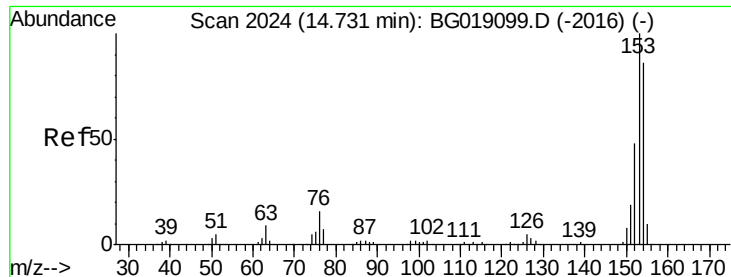
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	22.4	18.6	27.8



#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 13.29 min Scan# 1778
Delta R.T. -0.21 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	700.0	20.6	60.6#
76	1553.7	0.0	32.2#





#51

Acenaphthene

Concen: 0.02 ng

RT: 14.67 min Scan# 2014

Delta R.T. -0.06 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Instrument :

BNA_G

ClientSampleId :

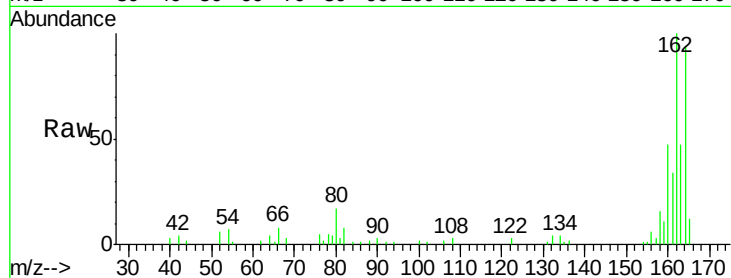
Tot Ion:154 Resp: 60

Ion Ratio Lower Upper

154 100

153 0.0 93.4 140.2#

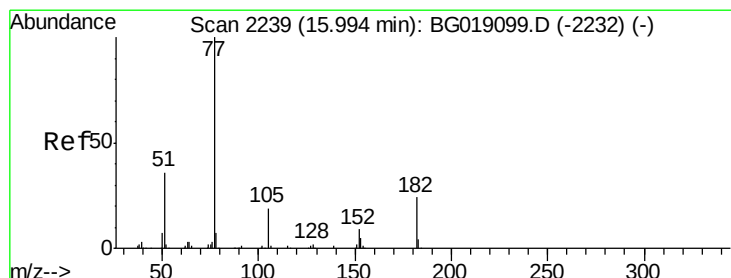
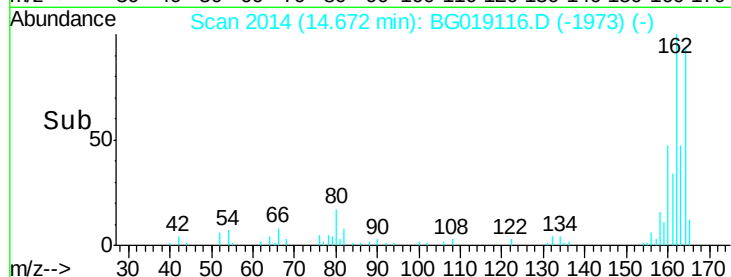
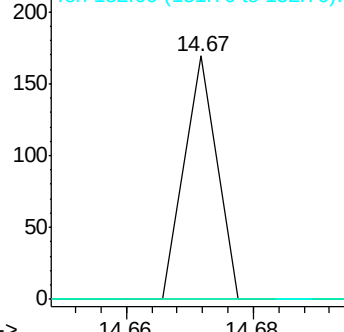
152 0.0 44.9 67.3#



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



#62

Azobenzene

Concen: 0.15 ng

RT: 16.15 min Scan# 2265

Delta R.T. 0.15 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Tgt Ion: 77 Resp: 556

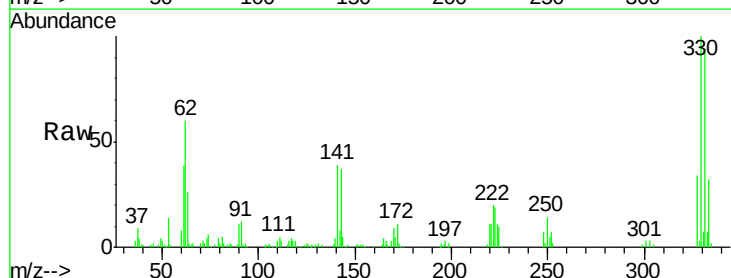
Ion Ratio Lower Upper

77 100

182 0.0 4.4 44.4#

105 57.9 0.0 39.1#

51 67.2 15.9 55.9#

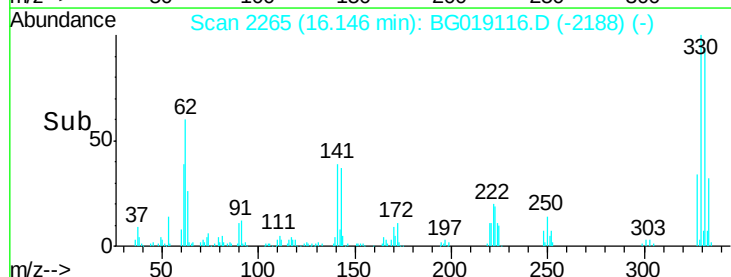
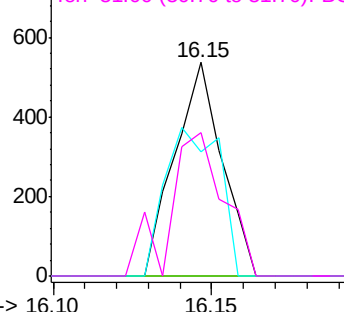


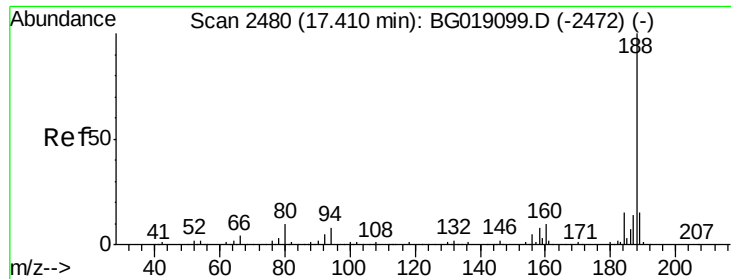
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.40 min Scan# 2479

Delta R.T. -0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Instrument :

BNA_G

ClientSampleId :

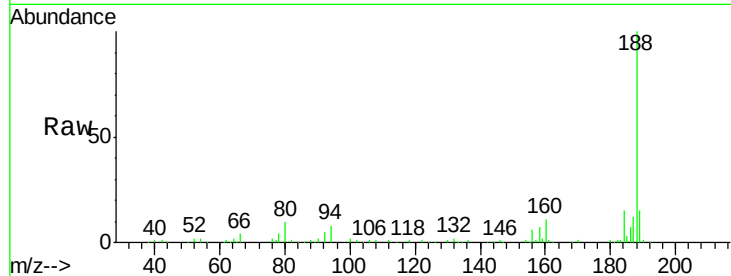
Tot Ion:188 Resp: 136719

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

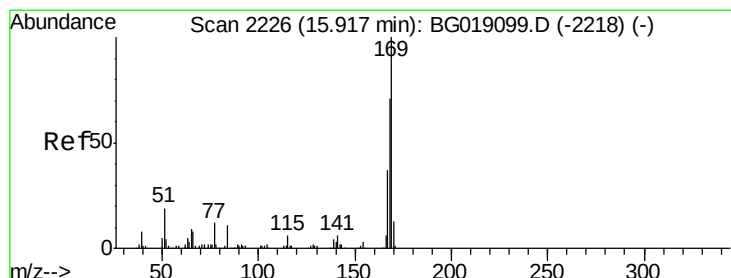
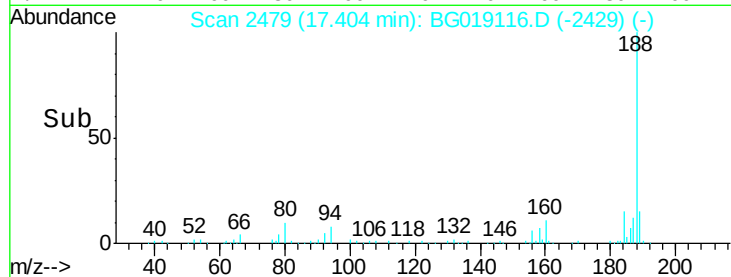
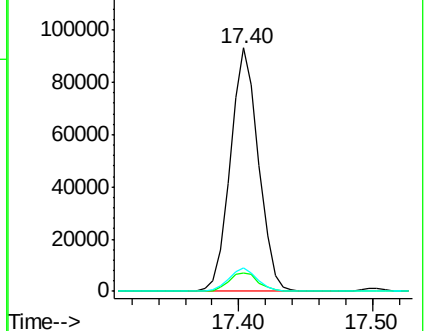
80 9.5 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

n-Nitrosodiphenylamine

Concen: 0.76 ng

RT: 16.14 min Scan# 2264

Delta R.T. 0.22 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

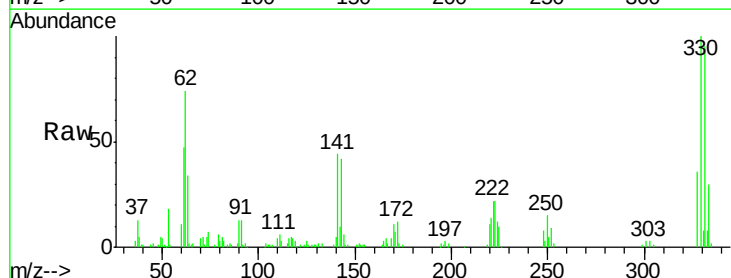
Tgt Ion:169 Resp: 2886

Ion Ratio Lower Upper

169 100

168 0.0 56.6 84.8#

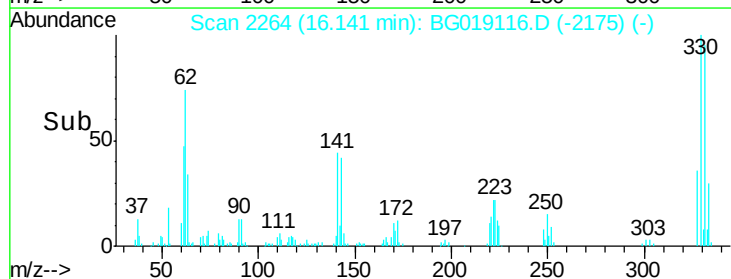
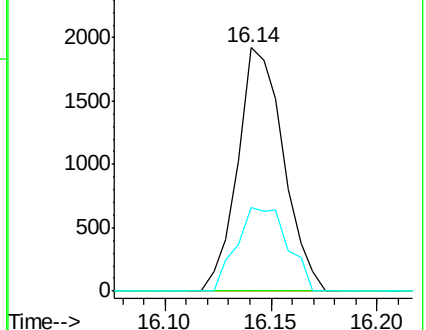
167 34.3 30.0 45.0

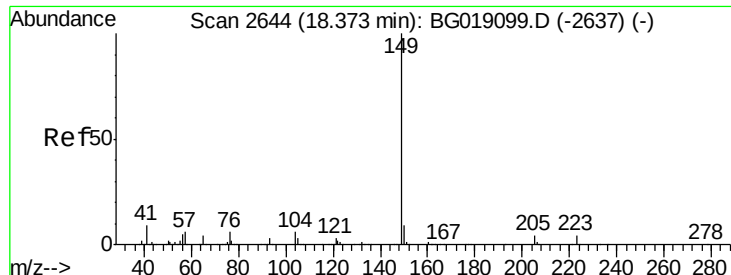


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

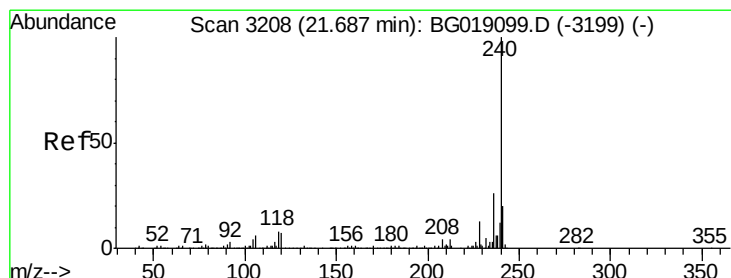
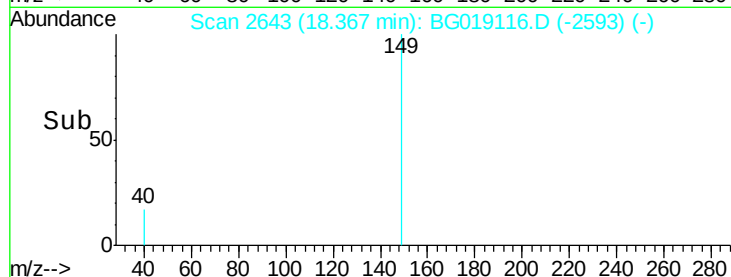
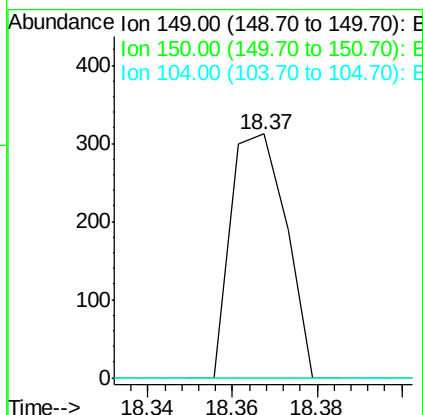
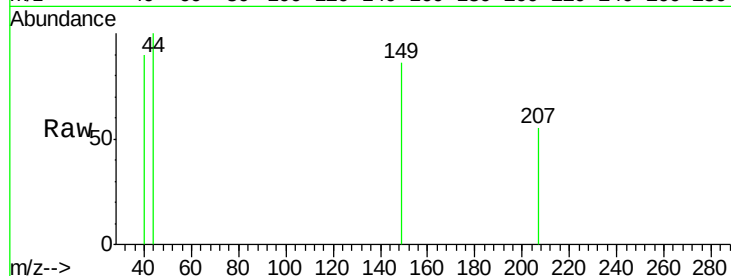




#73
Di-n-butylphthalate
Concen: 0.03 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

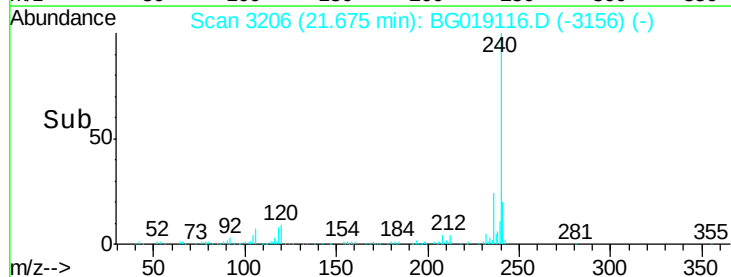
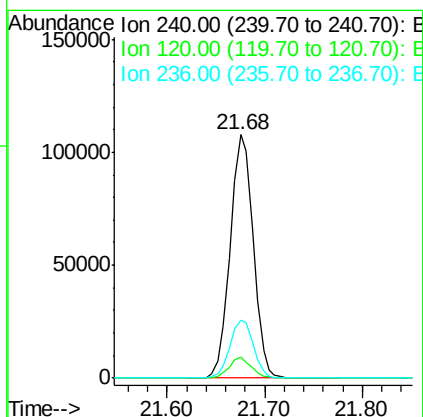
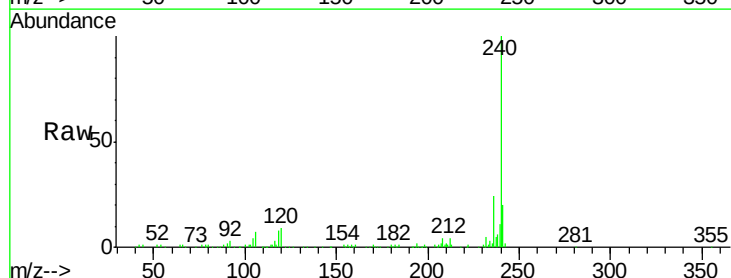
Instrument :
BNA_G
ClientSampleId :

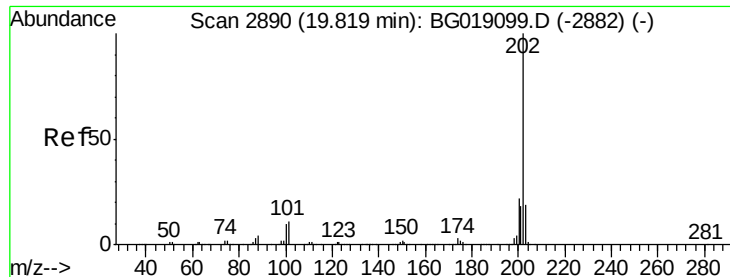
Tot Ion:149 Resp: 282
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.0 7.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion:240 Resp: 176853
Ion Ratio Lower Upper
240 100
120 8.5 5.8 8.6
236 23.8 21.2 31.8





#77

Pvrene

Concen: 0.23 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Instrument :

BNA_G

ClientSampleId :

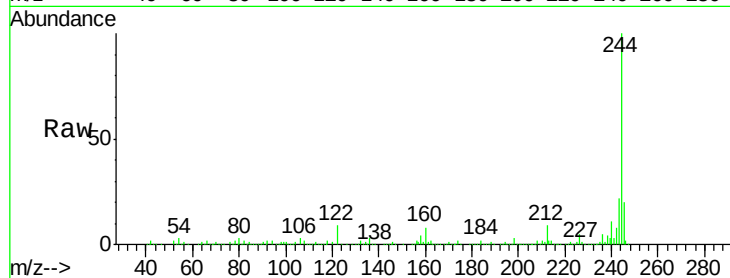
Tot Ion:202 Resp: 2241

Ion Ratio Lower Upper

202 100

200 55.4 17.4 26.2#

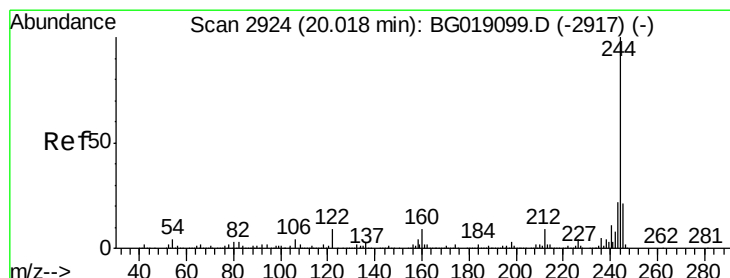
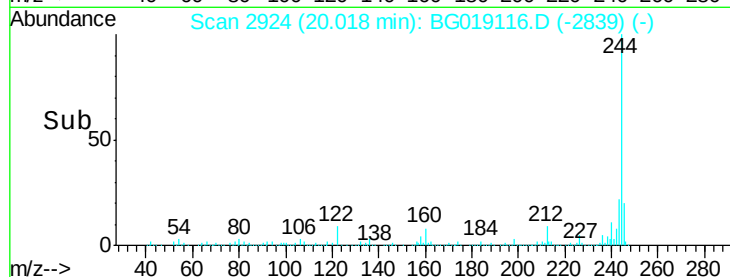
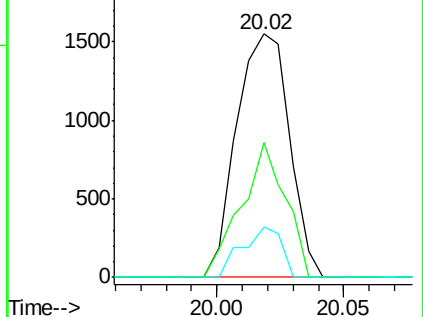
203 20.7 14.8 22.2



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: 82.08 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

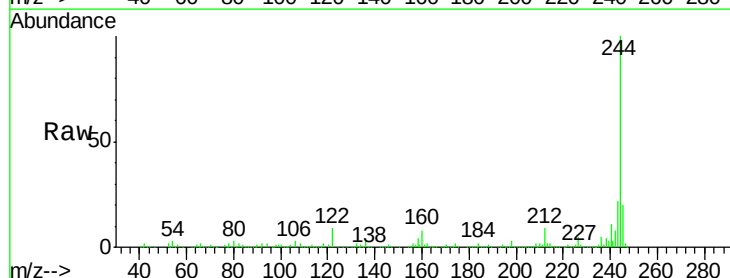
Tgt Ion:244 Resp: 549508

Ion Ratio Lower Upper

244 100

212 8.5 6.8 10.2

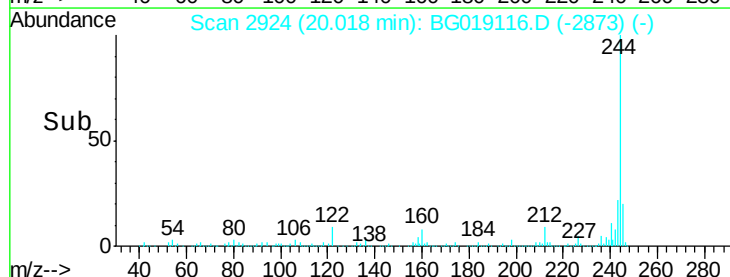
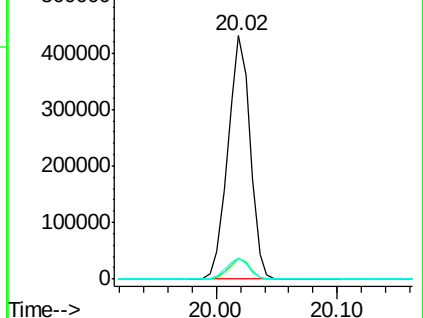
122 8.5 7.4 11.2

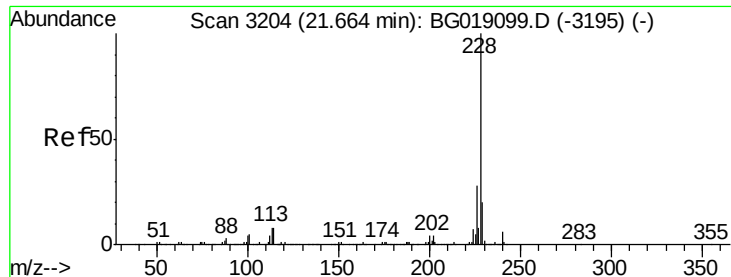


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

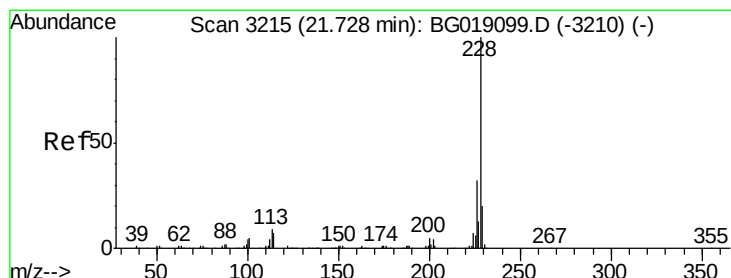
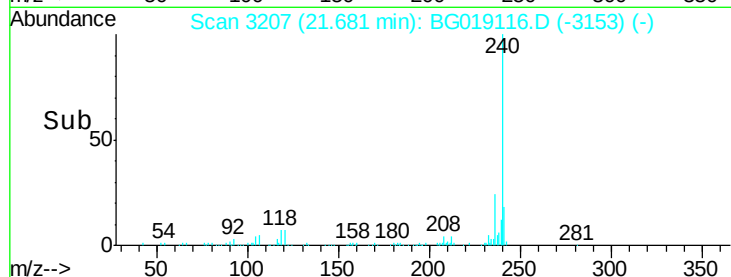
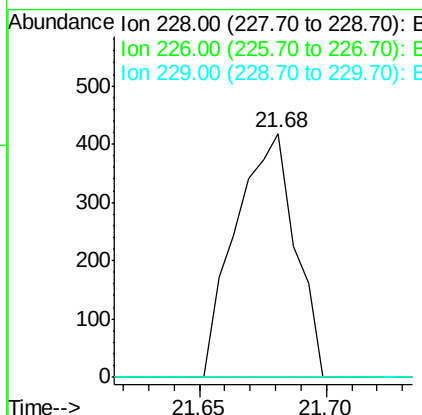
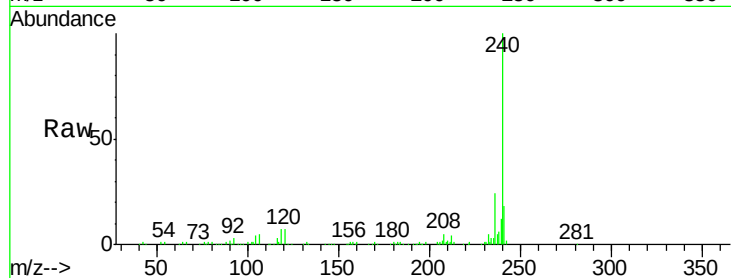




#80
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.68 min Scan# 3207
Delta R.T. 0.02 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

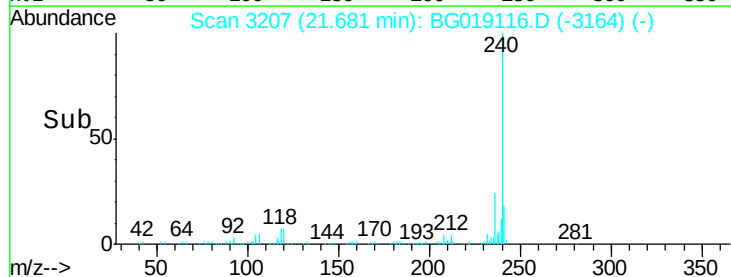
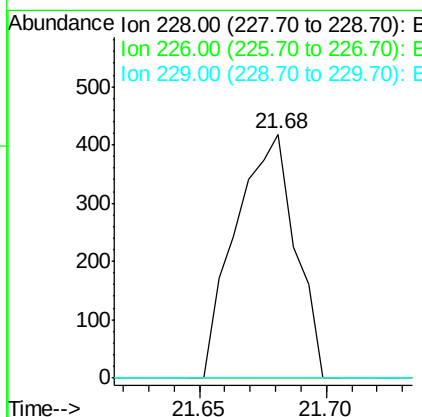
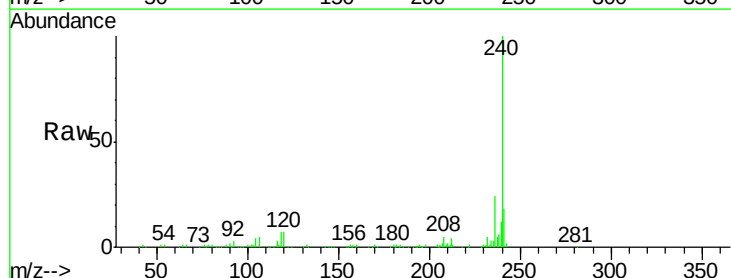
Instrument :
BNA_G
ClientSampleId :

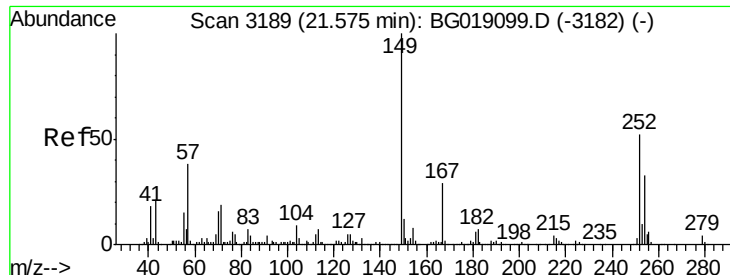
Tot Ion:228 Resp: 681
Ion Ratio Lower Upper
228 100
226 0.0 22.4 33.6#
229 0.0 16.2 24.2#



#82
Chrysene
Concen: 0.08 ng
RT: 21.68 min Scan# 3207
Delta R.T. -0.05 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion:228 Resp: 681
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: 0.01 ng

RT: 21.58 min Scan# 3189

Delta R.T. 0.00 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

Instrument :

BNA_G

ClientSampled :

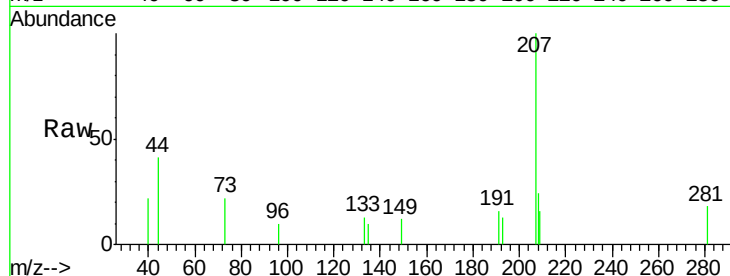
Tot Ion:149 Resp: 67

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

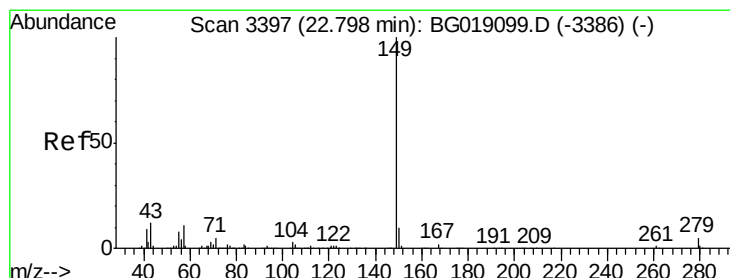
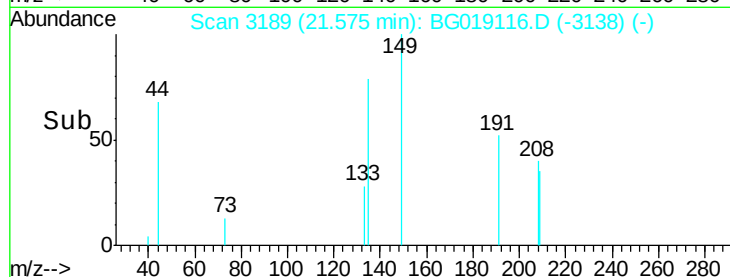
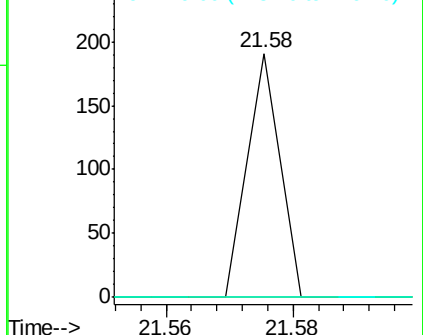
279 0.0 3.6 5.4#



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: 22.54 min Scan# 3353

Delta R.T. -0.25 min

Lab File: BG019116.D

Acq: 10 Oct 2015 14:17

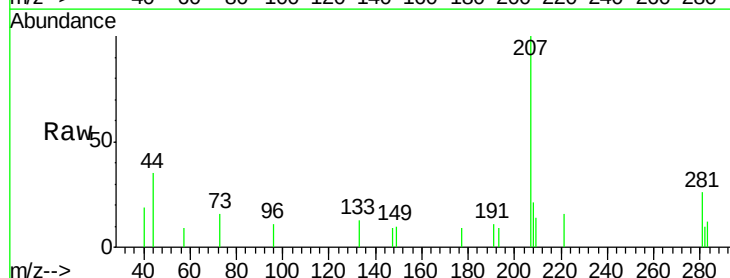
Tgt Ion:149 Resp: 59

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

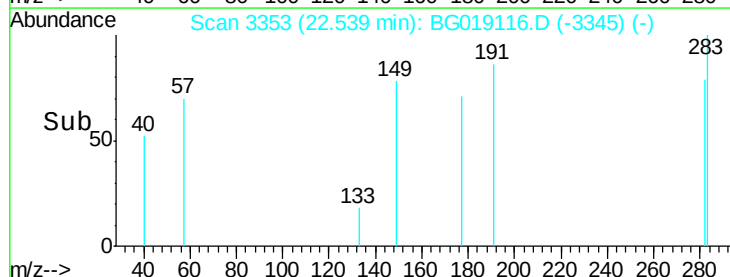
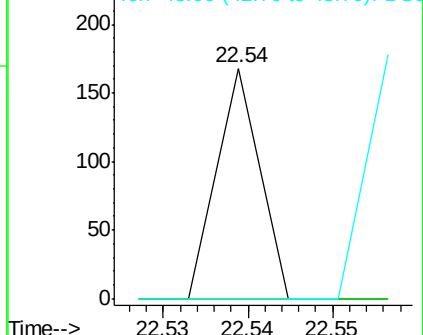
43 206.8 10.1 15.1#

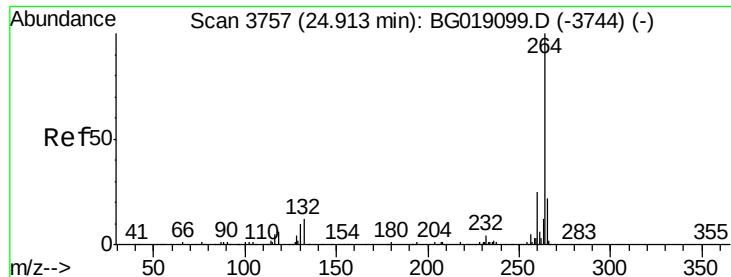


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

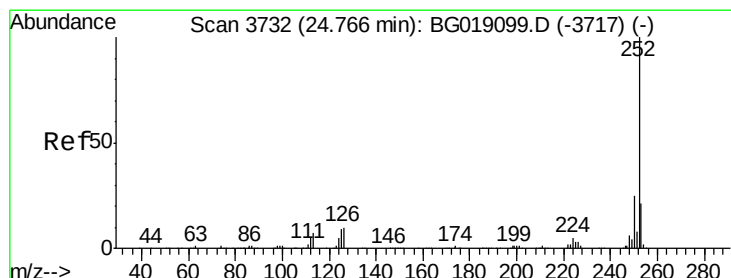
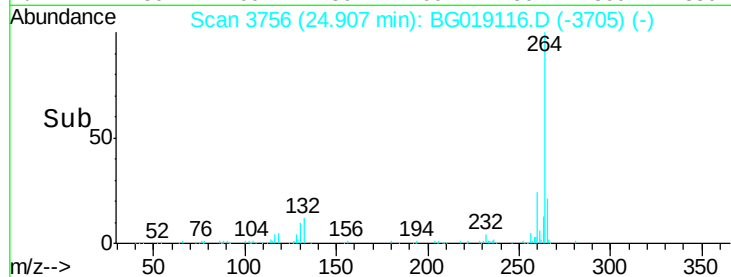
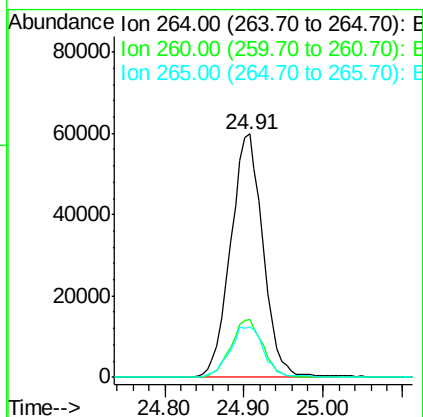
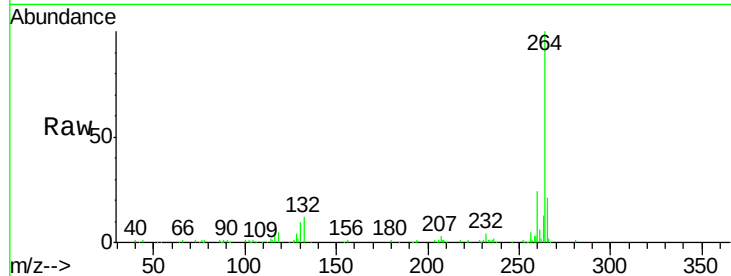




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.91 min Scan# 3756
Delta R.T. 0.00 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 169043
Ion Ratio Lower Upper
264 100
260 24.1 20.1 30.1
265 20.6 17.2 25.8



#89
Benzo(a)pyrene
Concen: 0.07 ng
RT: 24.91 min Scan# 3756
Delta R.T. 0.15 min
Lab File: BG019116.D
Acq: 10 Oct 2015 14:17

Tgt Ion:252 Resp: 559
Ion Ratio Lower Upper
252 100
253 47.3 17.0 25.4#
125 0.0 7.2 10.8#

