

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019117.D
 Acq On : 10 Oct 2015 14:55
 Operator : UM/NP
 Sample : PB85991BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:34:10 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	15484	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	66252	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	47997	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	131165	20.00	ng	0.00
75) Chrysene-d12	21.67	240	169729	20.00	ng	0.00
86) Perylene-d12	24.90	264	162160	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	90595	119.13	ng	0.00
7) Phenol-d6	7.19	99	136811	117.11	ng	0.00
23) Nitrobenzene-d5	9.19	82	90306	75.31	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	68018	103.99	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	219537	70.33	ng	0.00
78) Terphenyl-d14	20.02	244	470339	73.20	ng	0.00

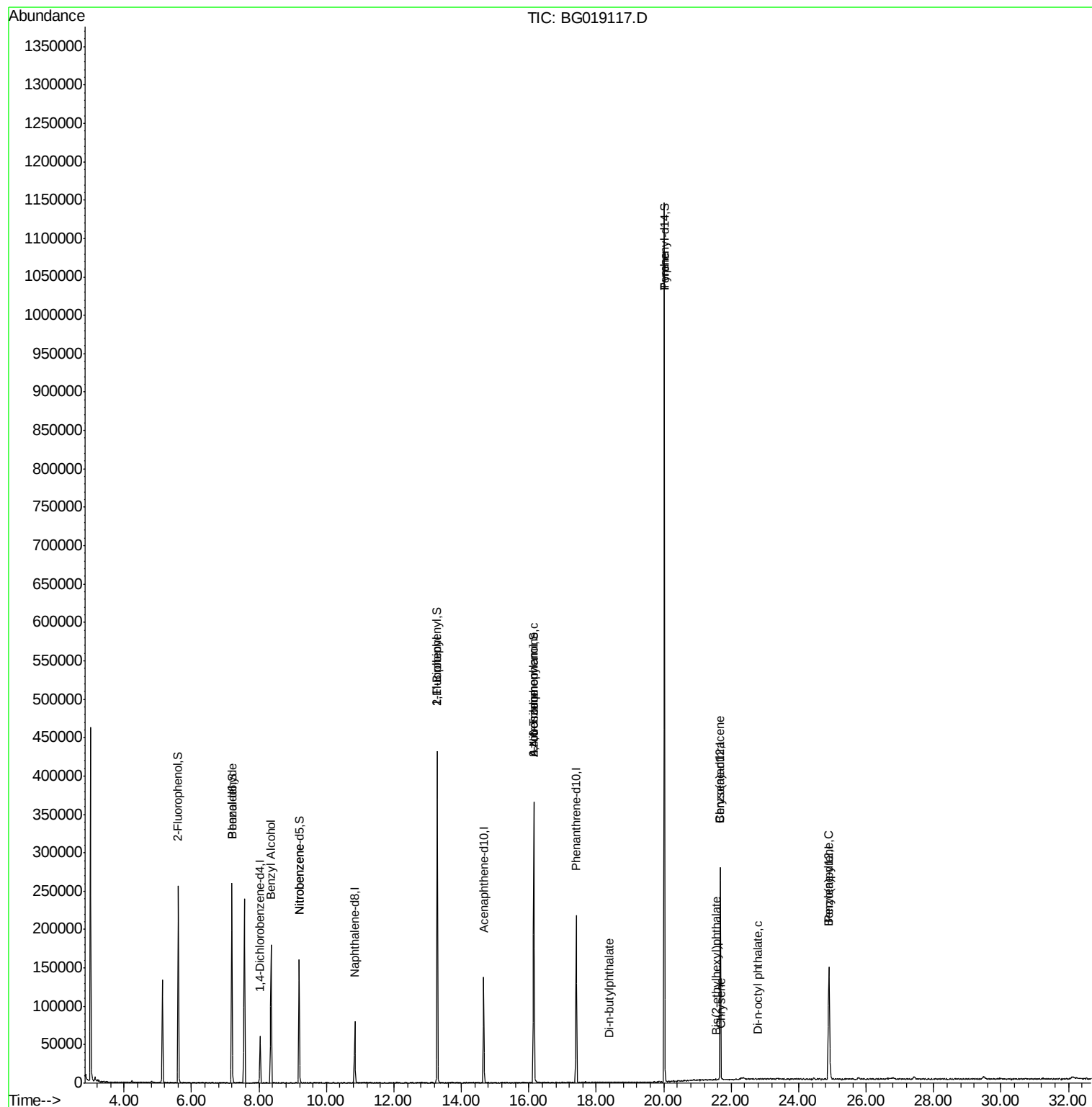
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	200	0.27	ng	# 3
15) Benzyl Alcohol	8.35	79	1411	1.35	ng	# 48
24) Nitrobenzene	9.19	77	227	0.18	ng	# 43
45) 1,1'-Biphenyl	13.28	154	371	0.11	ng	# 1
62) Azobenzene	16.14	77	212	0.06	ng	# 1
65) n-Nitrosodiphenylamine	16.15	169	2381	0.66	ng	# 41
73) Di-n-butylphthalate	18.37	149	61	0.01	ng	# 77
77) Pyrene	20.02	202	1761	0.19	ng	# 63
80) Benzo(a)anthracene	21.68	228	581	0.06	ng	# 51
82) Chrysene	21.71	228	66	0.01	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	69	0.01	ng	# 52
84) Di-n-octyl phthalate	22.78	149	123	0.01	ng	# 1
89) Benzo(a)pyrene	24.89	252	559	0.07	ng	# 61

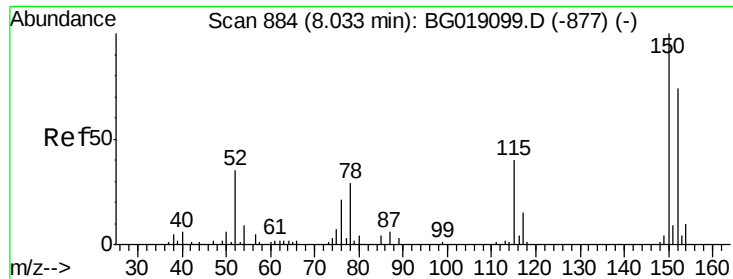
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampleId :

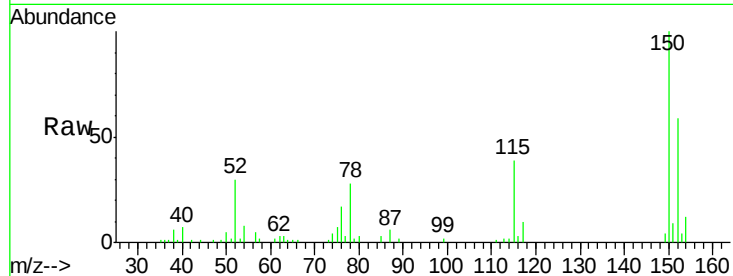
Tot Ion:152 Resp: 15484

Ion Ratio Lower Upper

152 100

150 169.2 108.2 162.2#

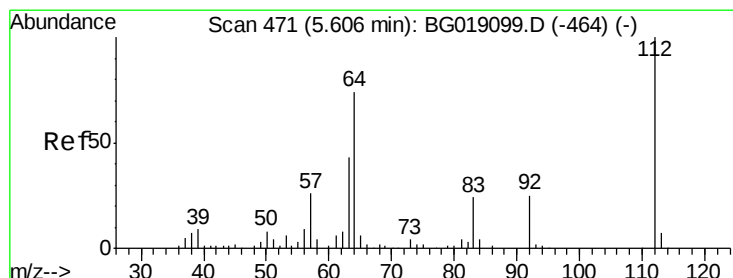
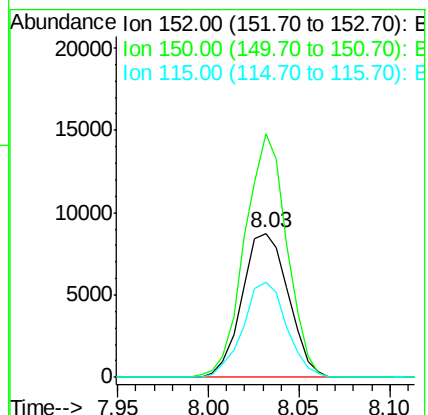
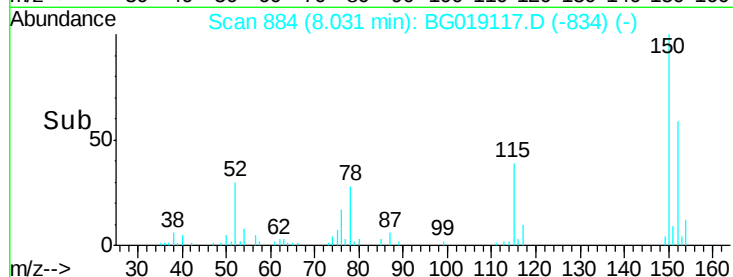
115 65.8 43.2 64.8#



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: 119.13 ng

RT: 5.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

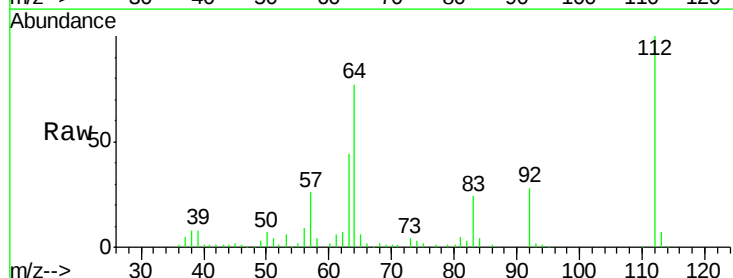
Tgt Ion:112 Resp: 90595

Ion Ratio Lower Upper

112 100

64 76.7 59.0 88.4

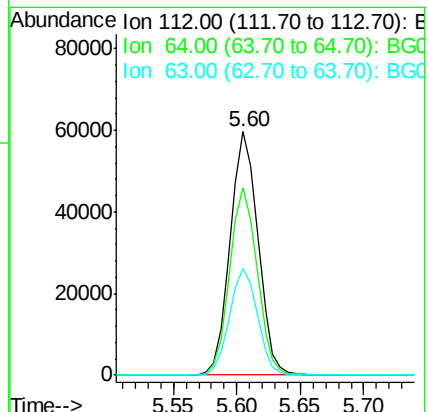
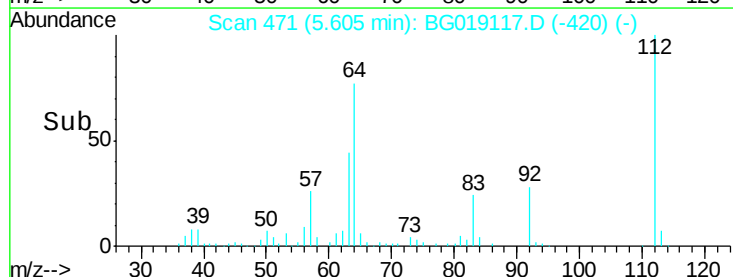
63 43.9 34.7 52.1



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: 117.11 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampled :

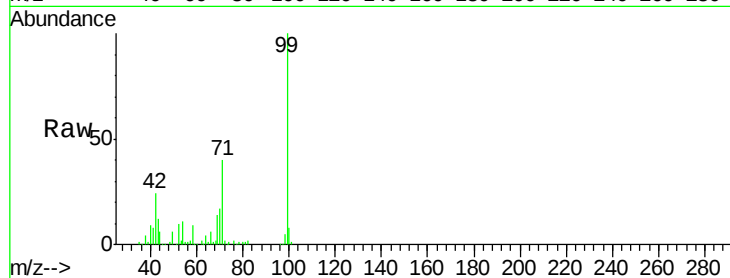
Tot Ion: 99 Resp: 136811

Ion Ratio Lower Upper

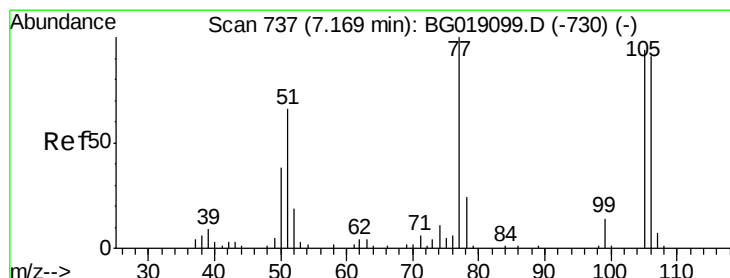
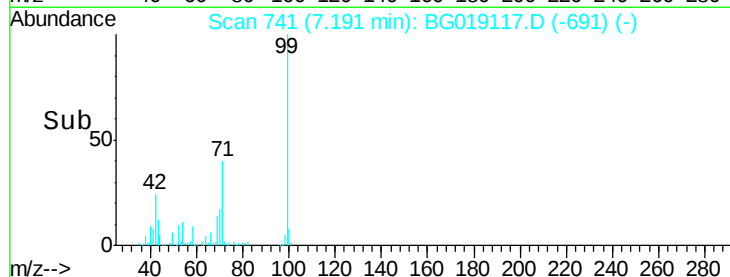
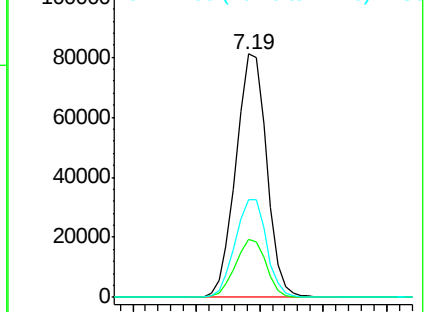
99 100

42 23.7 19.5 29.3

71 40.0 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: 0.27 ng

RT: 7.20 min Scan# 742

Delta R.T. 0.03 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

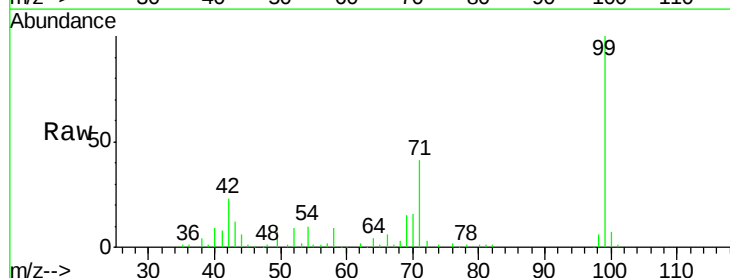
Tgt Ion: 77 Resp: 200

Ion Ratio Lower Upper

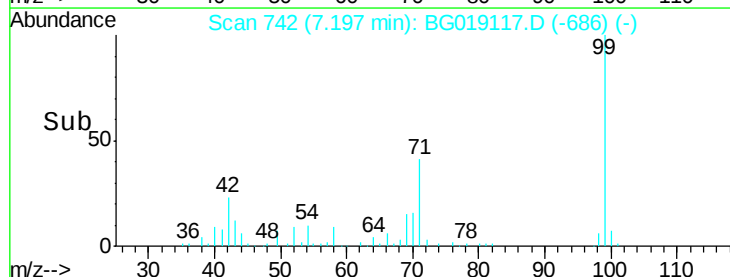
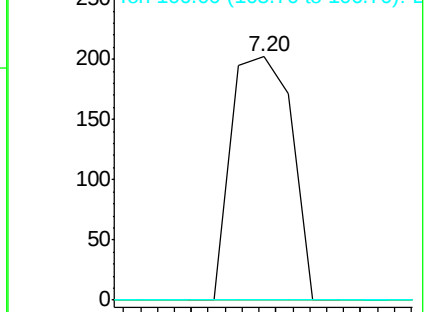
77 100

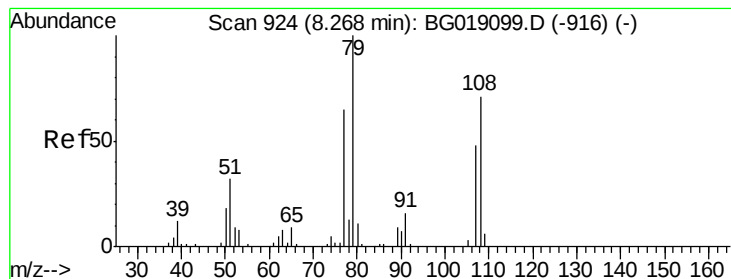
105 0.0 73.7 113.7#

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: 1.35 ng

RT: 8.35 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampled :

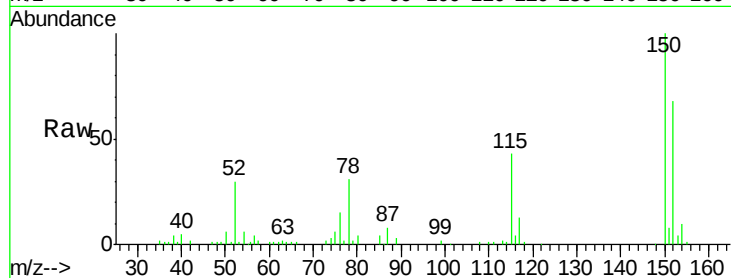
Tot Ion: 79 Resp: 1411

Ion Ratio Lower Upper

79 100

108 46.1 56.6 84.8#

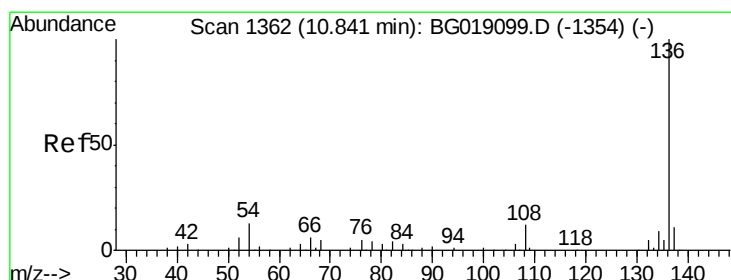
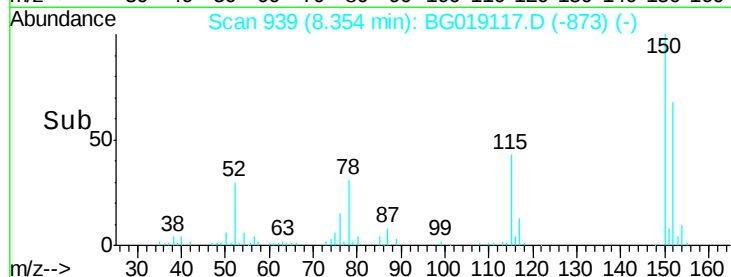
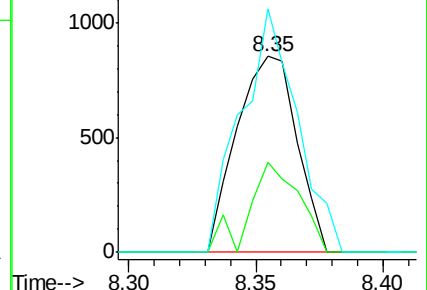
77 124.4 51.6 77.4#



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: 10.84 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Tgt Ion: 136 Resp: 66252

Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 11.5 10.1 15.1

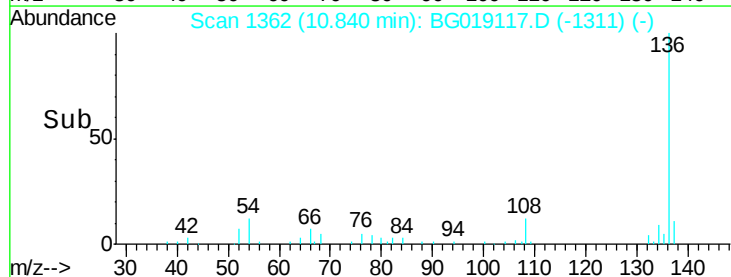
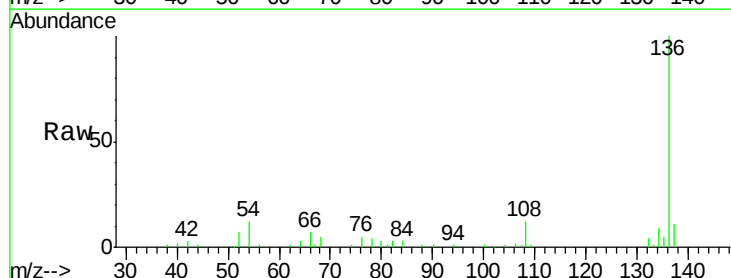
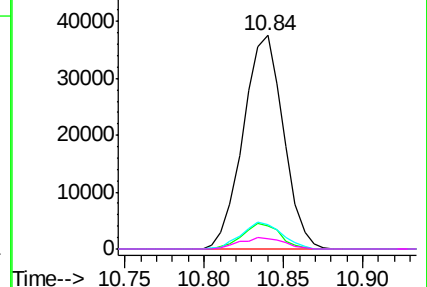
68 4.5 4.4 6.6

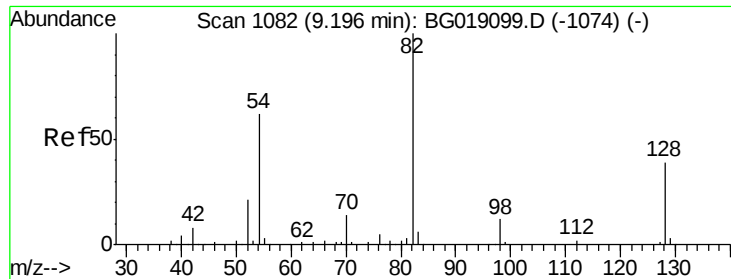
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

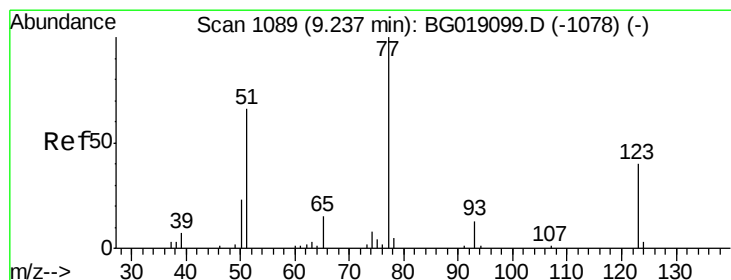
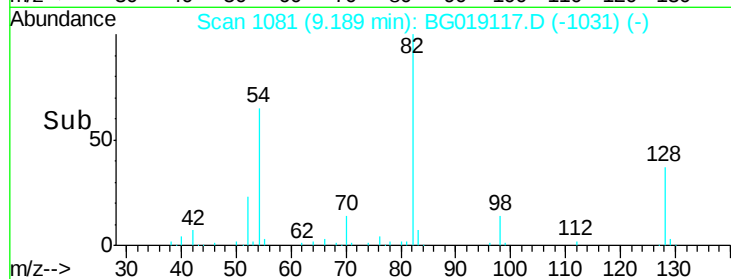
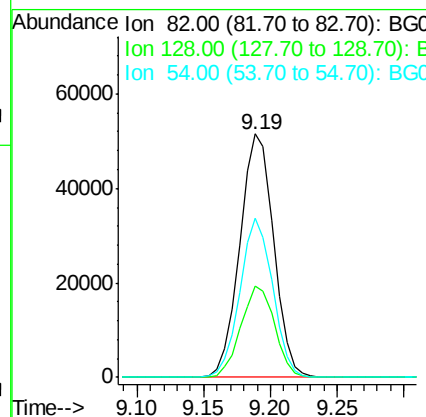
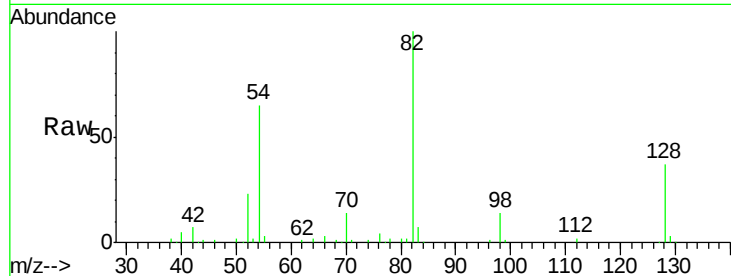




#23
 Nitrobenzene-d5
 Concen: 75.31 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BG019117.D
 Acq: 10 Oct 2015 14:55

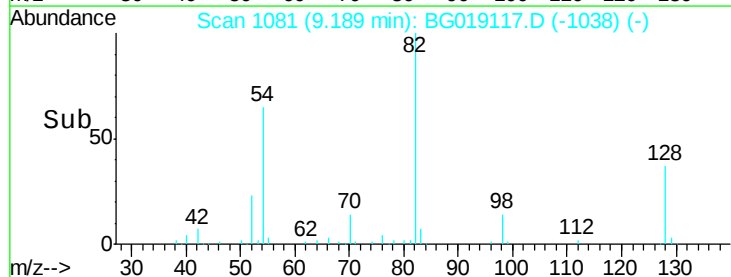
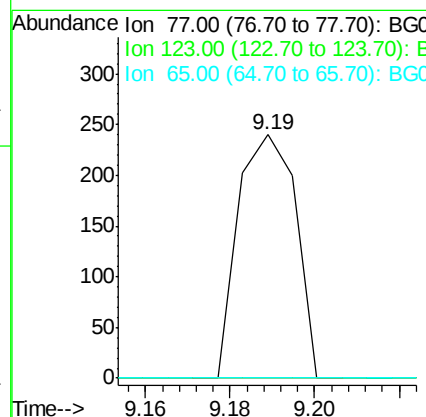
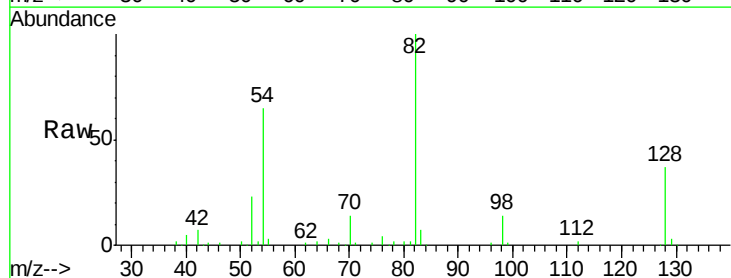
Instrument :
 BNA_G
 ClientSampleId :

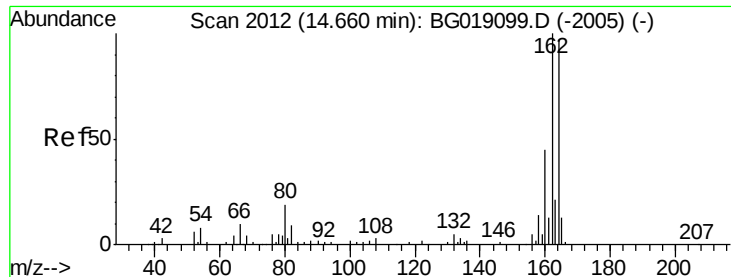
Tot Ion	82	Resp	90306
Ion Ratio	100	Lower	Upper
128	37.3	31.4	47.2
54	65.3	50.0	75.0



#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.05 min
 Lab File: BG019117.D
 Acq: 10 Oct 2015 14:55

Tgt Ion	77	Resp	227
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# 2012

Delta R.T. 0.00 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

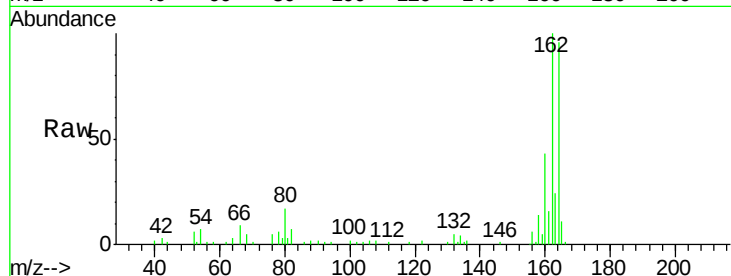
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 47997

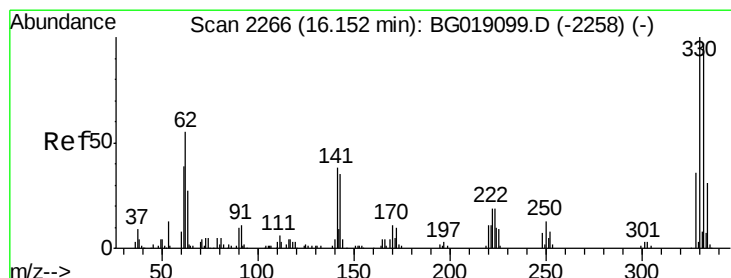
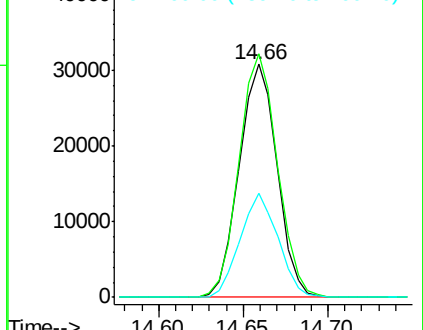
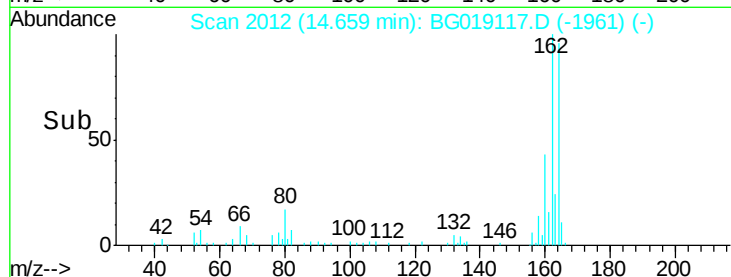
Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	124.0
160	44.5	36.9	55.3



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: 103.99 ng

RT: 16.15 min Scan# 2265

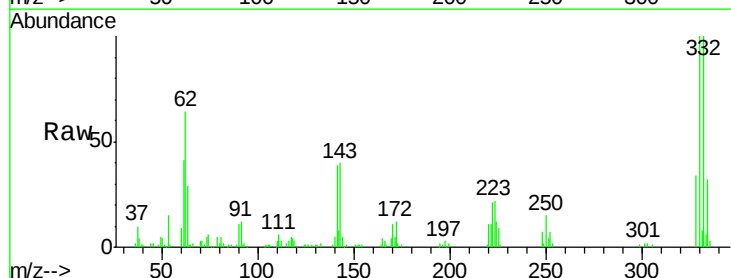
Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Tgt Ion:330 Resp: 68018

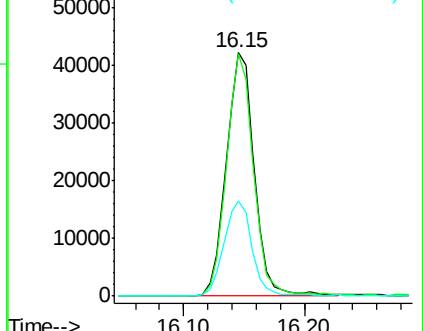
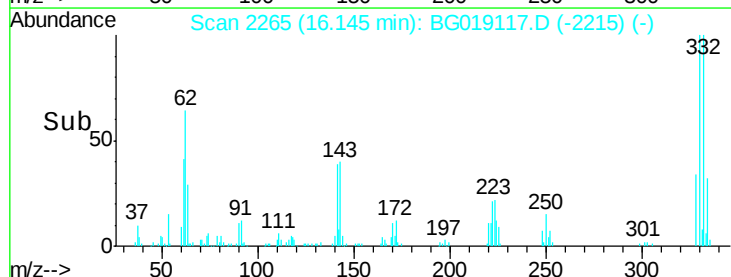
Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	38.7	30.7	46.1

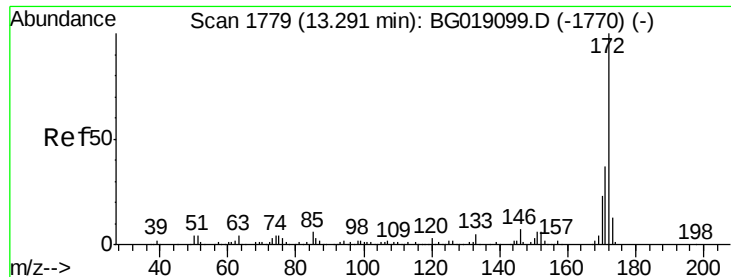


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

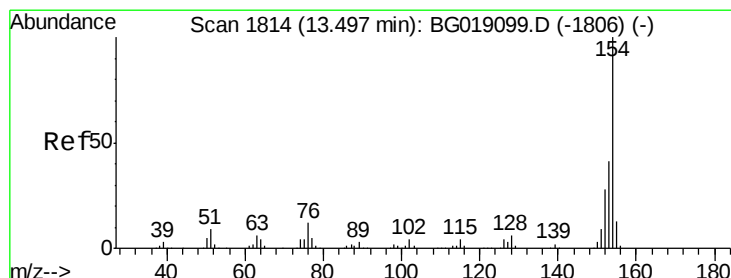
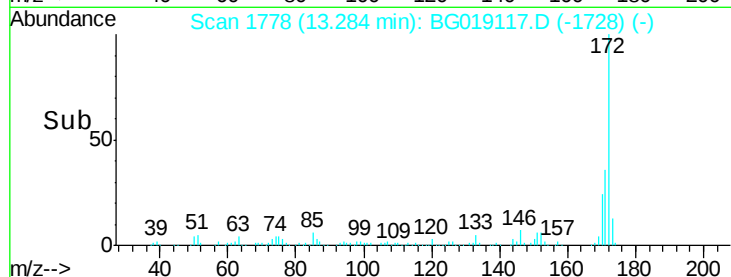
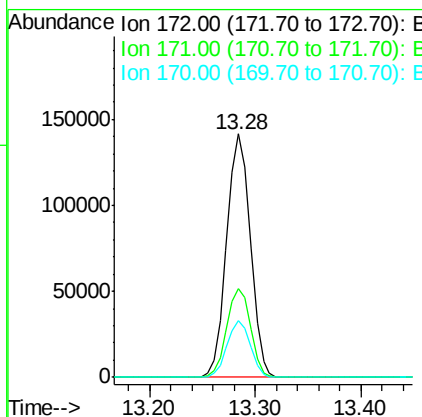
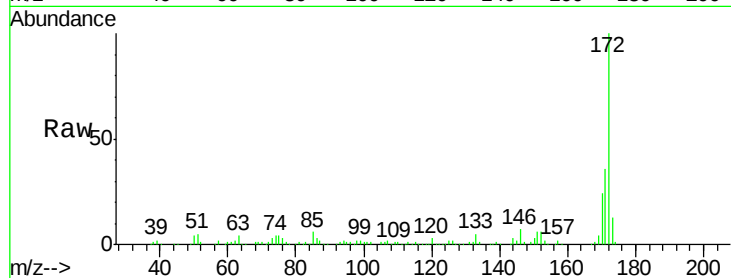




#44
2-Fluorobiphenyl
Concen: 70.33 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

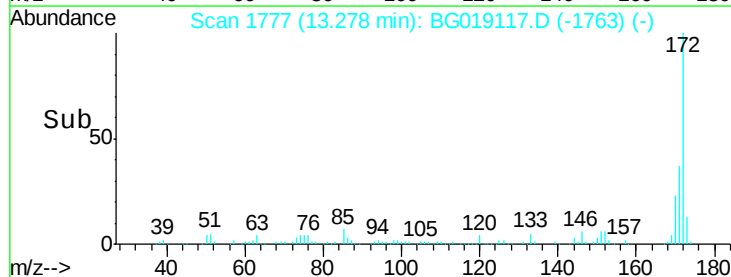
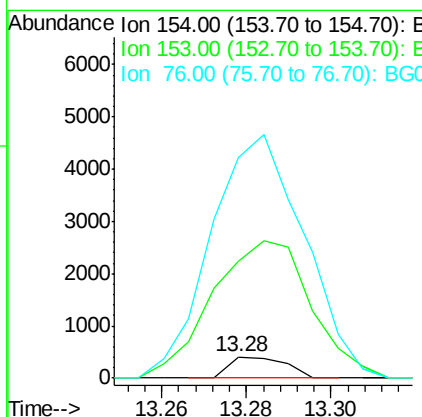
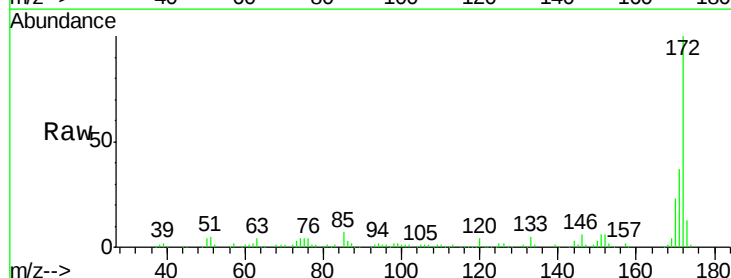
Instrument :
BNA_G
ClientSampleId :

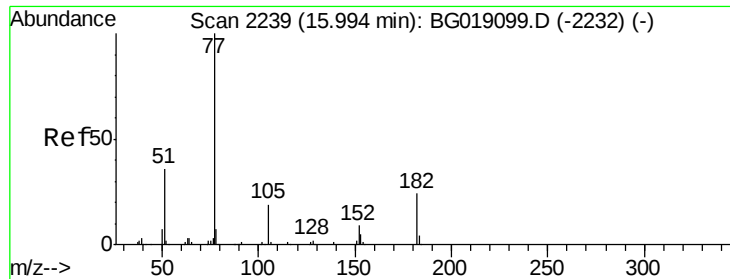
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	23.5	18.6	27.8



#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 13.28 min Scan# 1777
Delta R.T. -0.22 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	549.9	20.6	60.6#
76	1038.8	0.0	32.2#

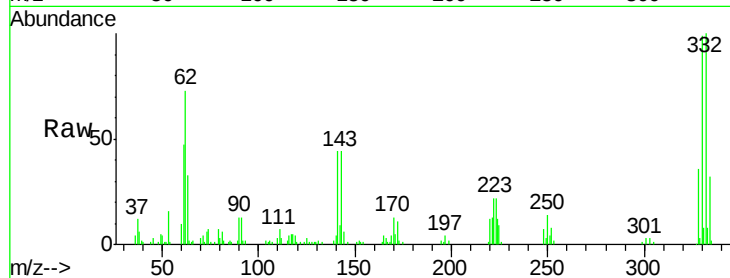




#62
Azobenzene
Concen: 0.06 ng
RT: 16.14 min Scan# 2264
Delta R.T. 0.15 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 212
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 136.5 0.0 39.1#
51 131.3 15.9 55.9#

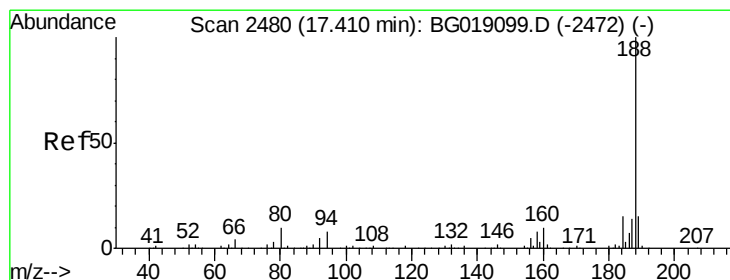
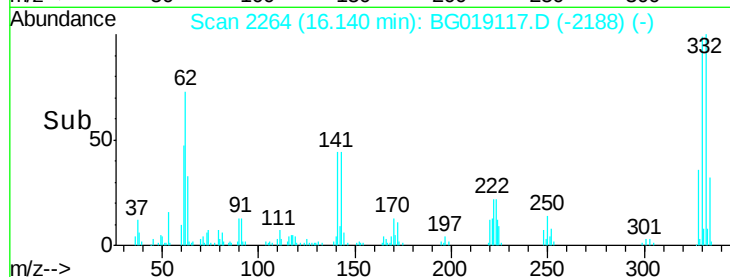
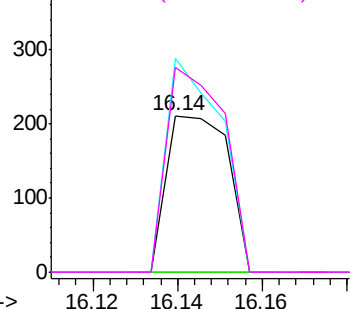


Abundance Ion 77.00 (76.70 to 77.70): BG019117.D (-2188) (-)

Ion 182.00 (181.70 to 182.70): BG019117.D (-2188) (-)

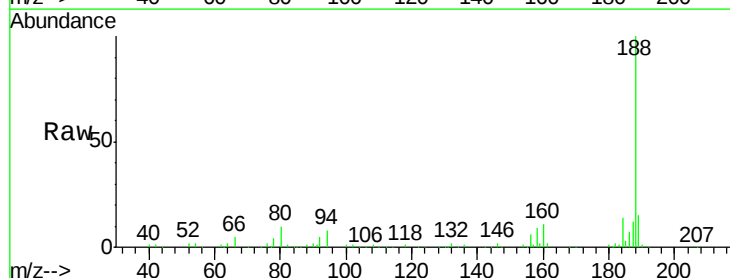
Ion 105.00 (104.70 to 105.70): BG019117.D (-2188) (-)

Ion 51.00 (50.70 to 51.70): BG019117.D (-2188) (-)



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

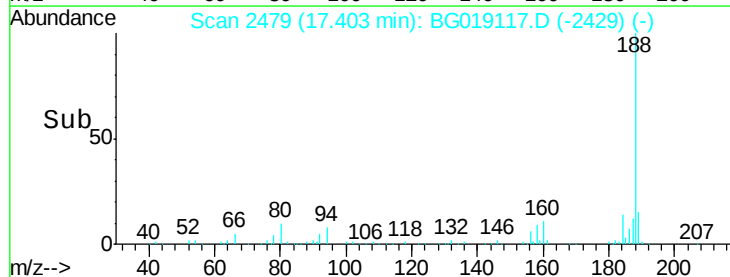
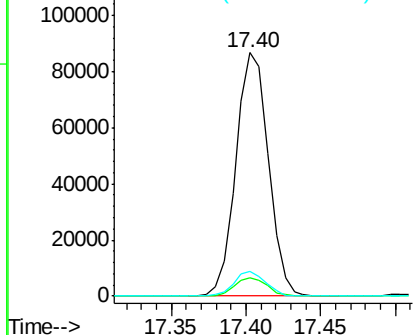
Tgt Ion: 188 Resp: 131165
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 10.3 7.6 11.4

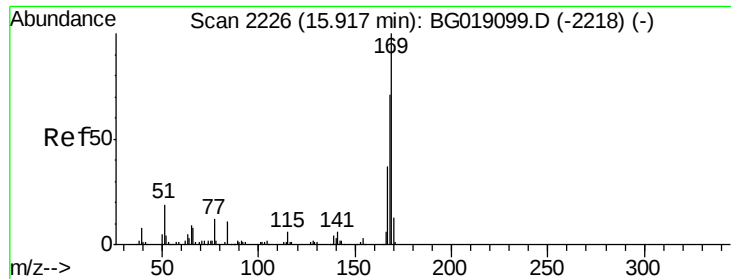


Abundance Ion 188.00 (187.70 to 188.70): BG019117.D (-2429) (-)

Ion 94.00 (93.70 to 94.70): BG019117.D (-2429) (-)

Ion 80.00 (79.70 to 80.70): BG019117.D (-2429) (-)

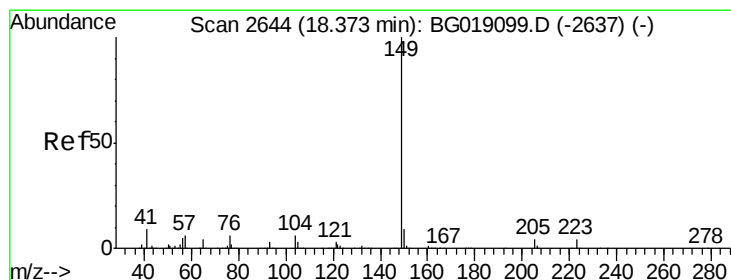
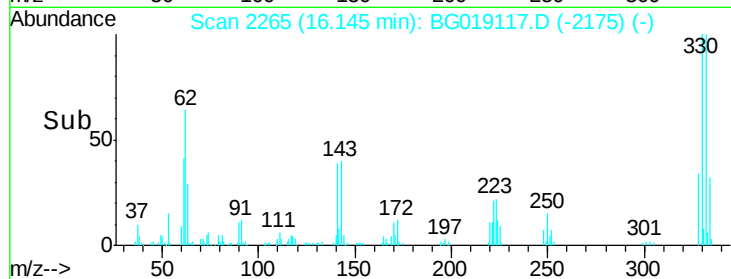
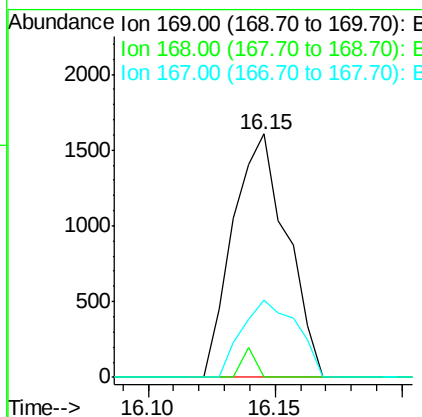
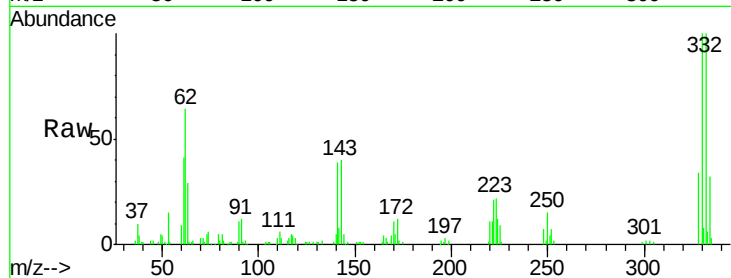




#65
 n-Nitrosodiphenylamine
 Concen: 0.66 ng
 RT: 16.15 min Scan# 2265
 Delta R.T. 0.23 min
 Lab File: BG019117.D
 Acq: 10 Oct 2015 14:55

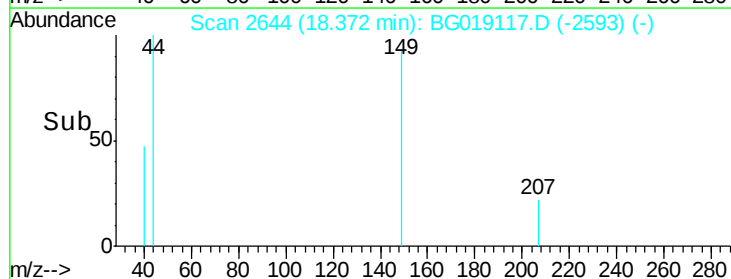
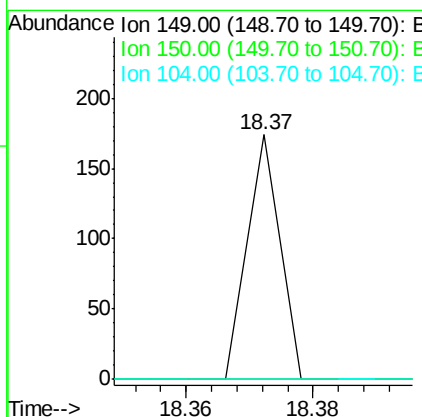
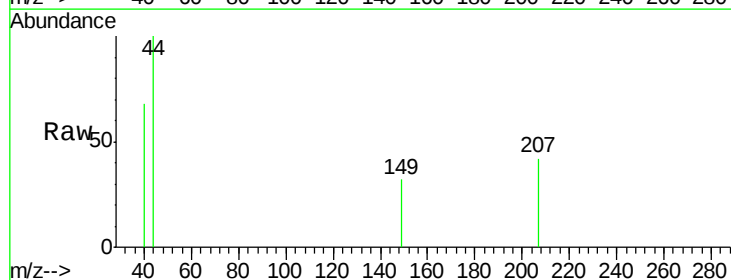
Instrument :
 BNA_G
 ClientSampleId :

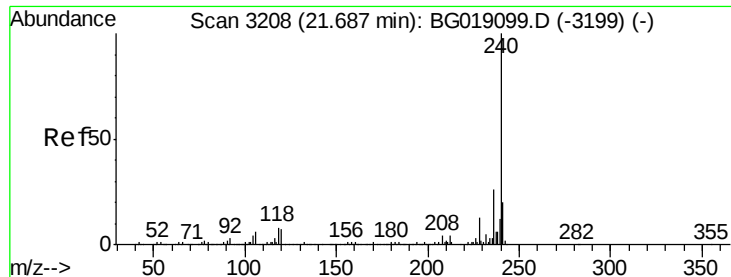
Tot Ion:169 Resp: 2381
 Ion Ratio Lower Upper
 169 100
 168 0.0 56.6 84.8#
 167 31.7 30.0 45.0



#73
 Di-n-butylphthalate
 Concen: 0.01 ng
 RT: 18.37 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: BG019117.D
 Acq: 10 Oct 2015 14:55

Tgt Ion:149 Resp: 61
 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: 21.67 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BG019117.D

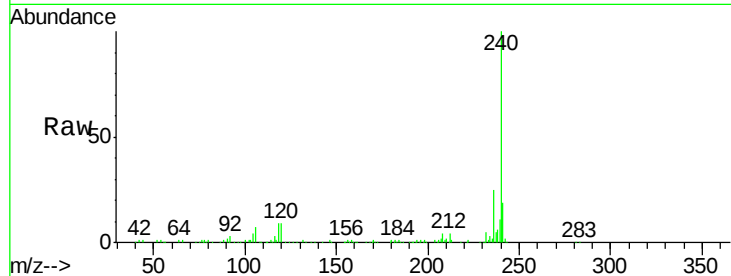
Acq: 10 Oct 2015 14:55

Instrument :

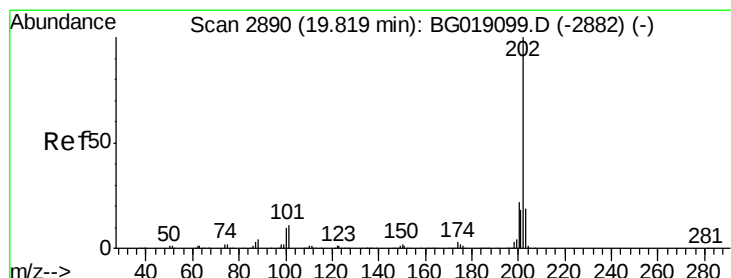
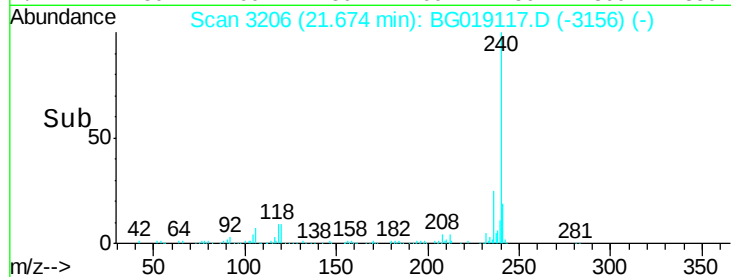
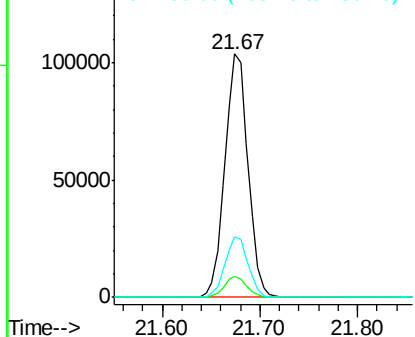
BNA_G

ClientSampled :

Tot Ion:240 Resp: 169729
 Ion Ratio Lower Upper
 240 100
 120 8.8 5.8 8.6#
 236 25.0 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 0.19 ng

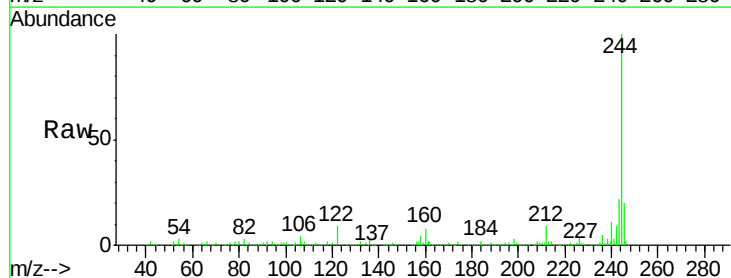
RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

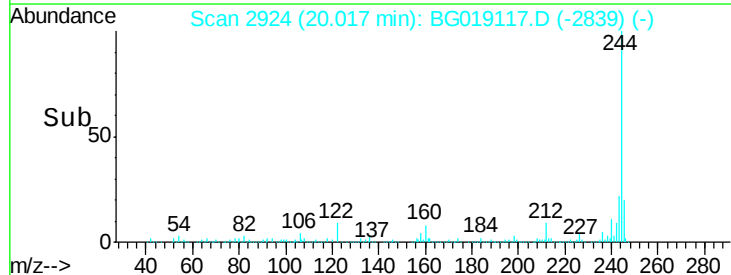
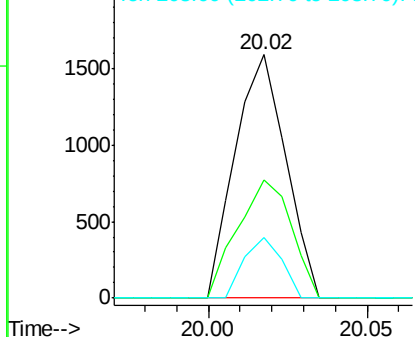
Lab File: BG019117.D

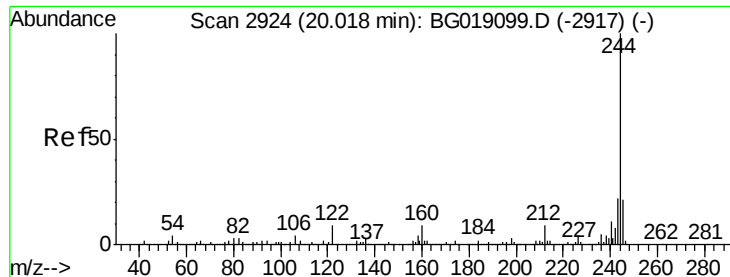
Acq: 10 Oct 2015 14:55

Tgt Ion:202 Resp: 1761
 Ion Ratio Lower Upper
 202 100
 200 48.7 17.4 26.2#
 203 24.7 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: 73.20 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampled :

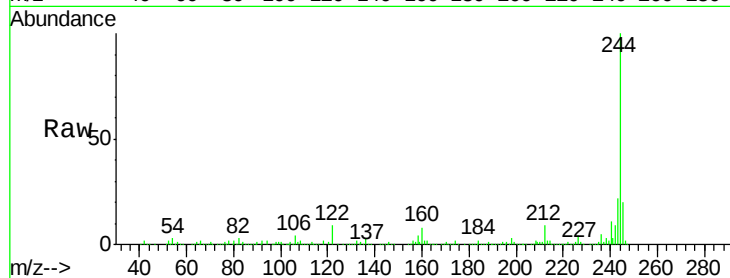
Tot Ion:244 Resp: 470339

Ion Ratio Lower Upper

244 100

212 8.5 6.8 10.2

122 8.6 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

500000

400000

300000

200000

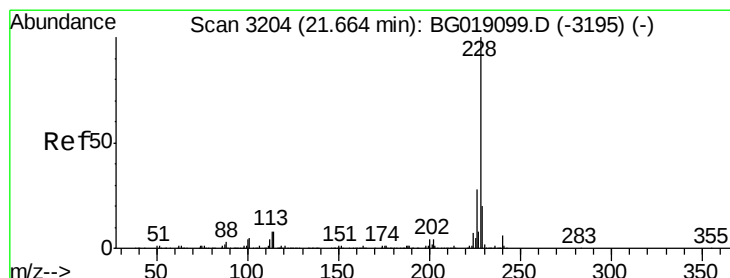
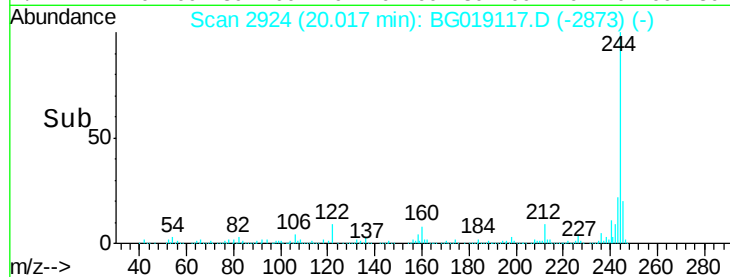
100000

0

20.02

19.95 20.00 20.05 20.10

Time-->



#80

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.68 min Scan# 3207

Delta R.T. 0.02 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

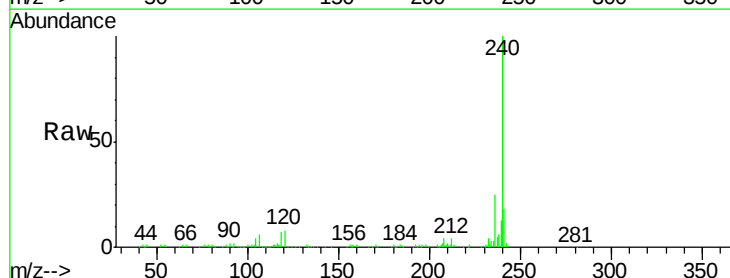
Tgt Ion:228 Resp: 581

Ion Ratio Lower Upper

228 100

226 0.0 22.4 33.6#

229 0.0 16.2 24.2#



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

500

400

300

200

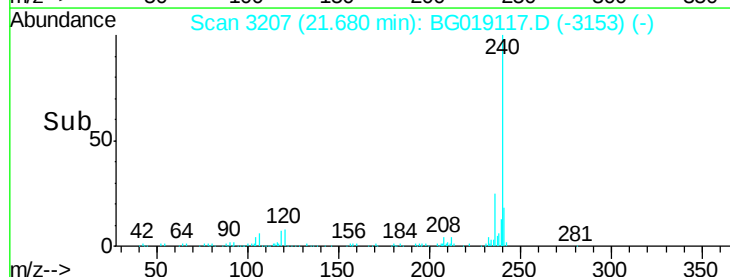
100

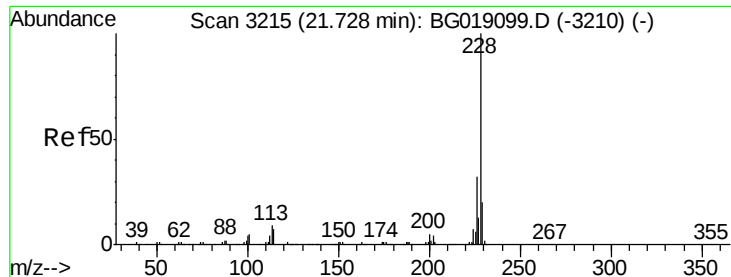
0

21.68

21.65 21.70

Time-->





#82

Chrysene

Concen: 0.01 ng

RT: 21.71 min Scan# 3212

Delta R.T. -0.02 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampleId :

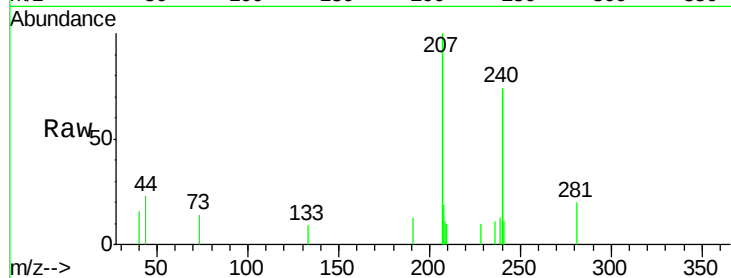
Tot Ion:228 Resp: 66

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

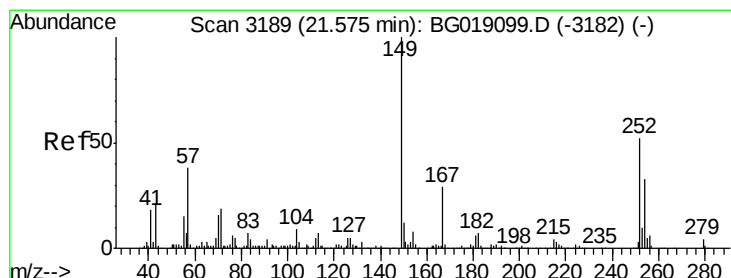
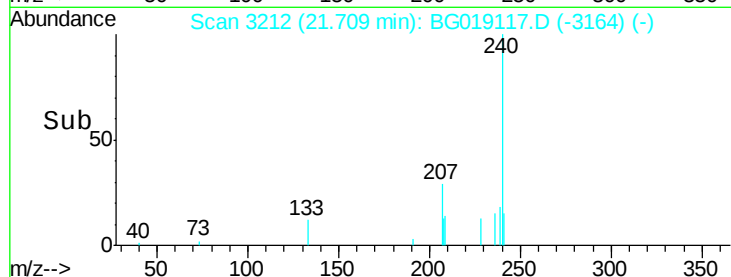
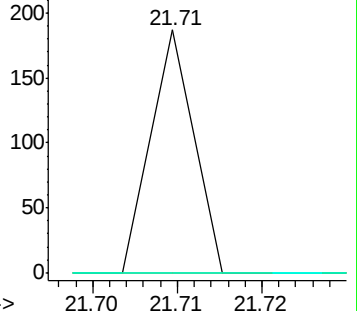
229 0.0 16.3 24.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng

RT: 21.57 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

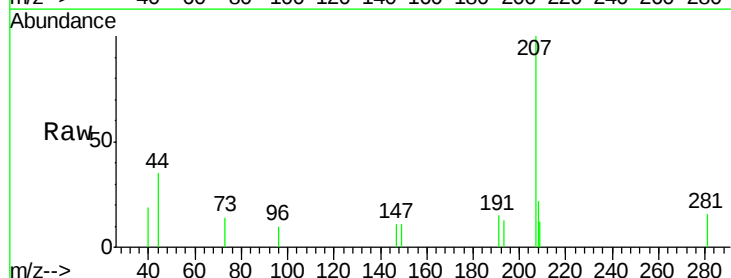
Tgt Ion:149 Resp: 69

Ion Ratio Lower Upper

149 100

167 0.0 22.8 34.2#

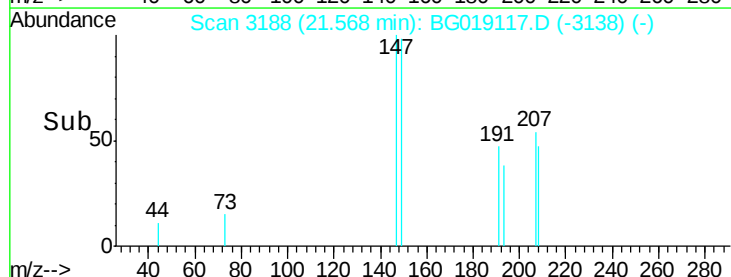
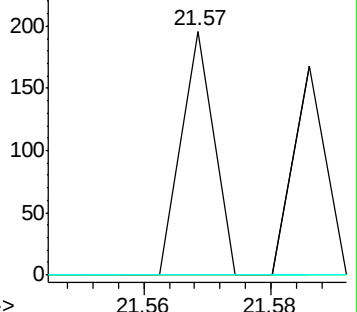
279 0.0 3.6 5.4#

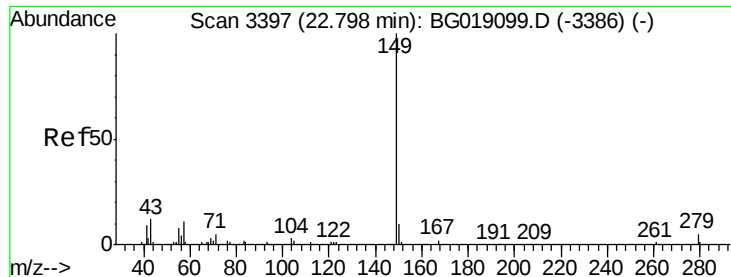


Abundance Ion 149.00 (148.70 to 149.70): E

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: 22.78 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampleId :

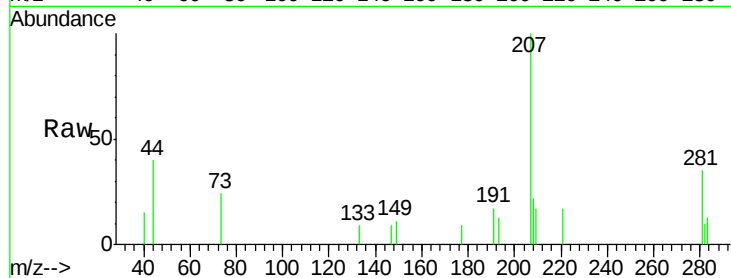
Tot Ion:149 Resp: 123

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

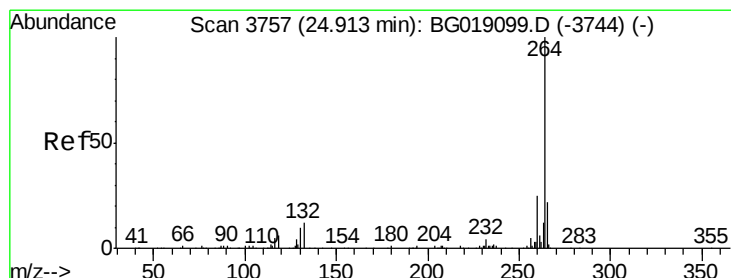
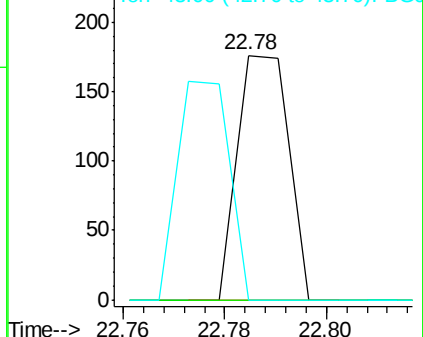
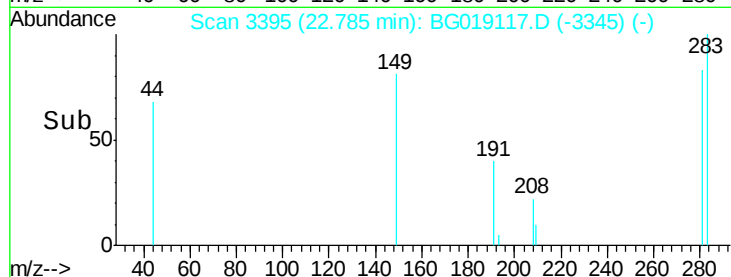
43 89.4 10.1 15.1#



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): B



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.90 min Scan# 3755

Delta R.T. -0.01 min

Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

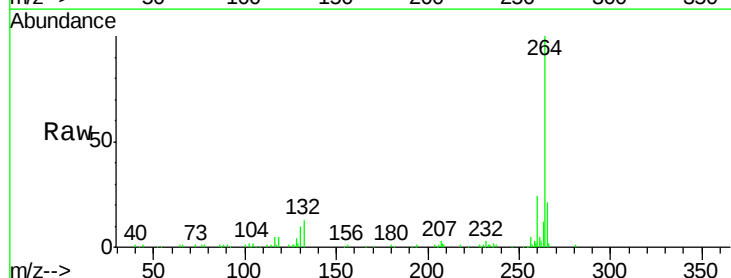
Tgt Ion:264 Resp: 162160

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

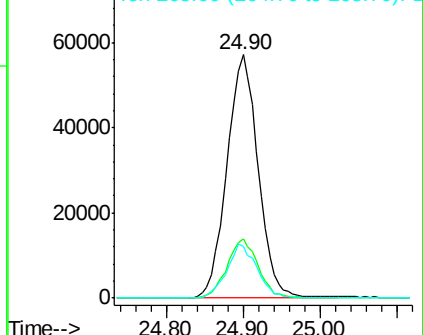
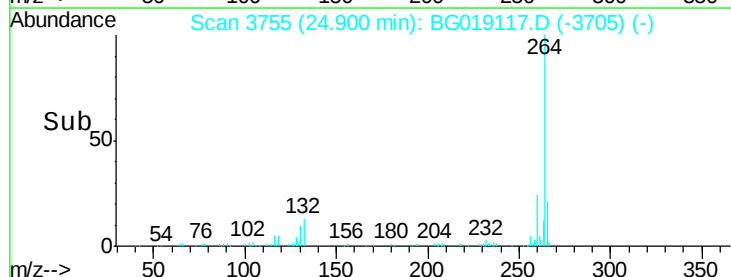
265 21.4 17.2 25.8

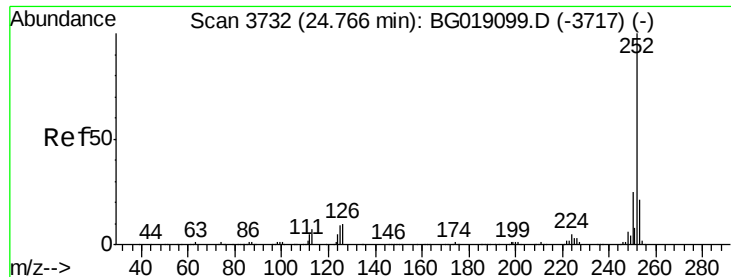


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.07 ng

RT: 24.89 min Scan# 3753

Delta R.T. 0.14 min

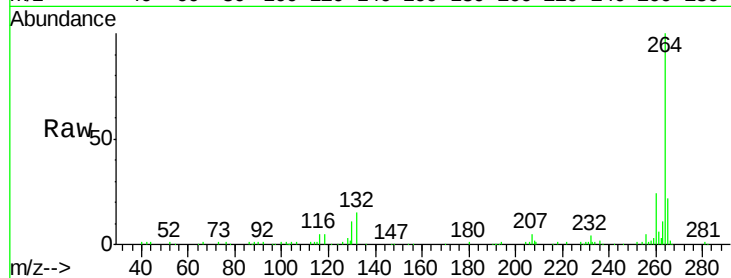
Lab File: BG019117.D

Acq: 10 Oct 2015 14:55

Instrument :

BNA_G

ClientSampleId :



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

