

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070716\
 Data File : BG022876.D
 Acq On : 6 Jul 2016 13:59
 Operator : UM/SJ
 Sample : H3807-01 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LAR9945

Quant Time: Jul 06 15:41:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	122502	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	535234	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	412046	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	958871	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1051143	20.00	ng	0.00
86) Perylene-d12	25.23	264	1116875	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	22817	2.99	ng	0.00
7) Phenol-d6	7.31	99	45809	4.26	ng	0.00
23) Nitrobenzene-d5	9.32	82	90983	7.19	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	18463	2.85	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	68855	2.65	ng	-0.01
78) Terphenyl-d14	20.14	244	107504	2.71	ng	0.00

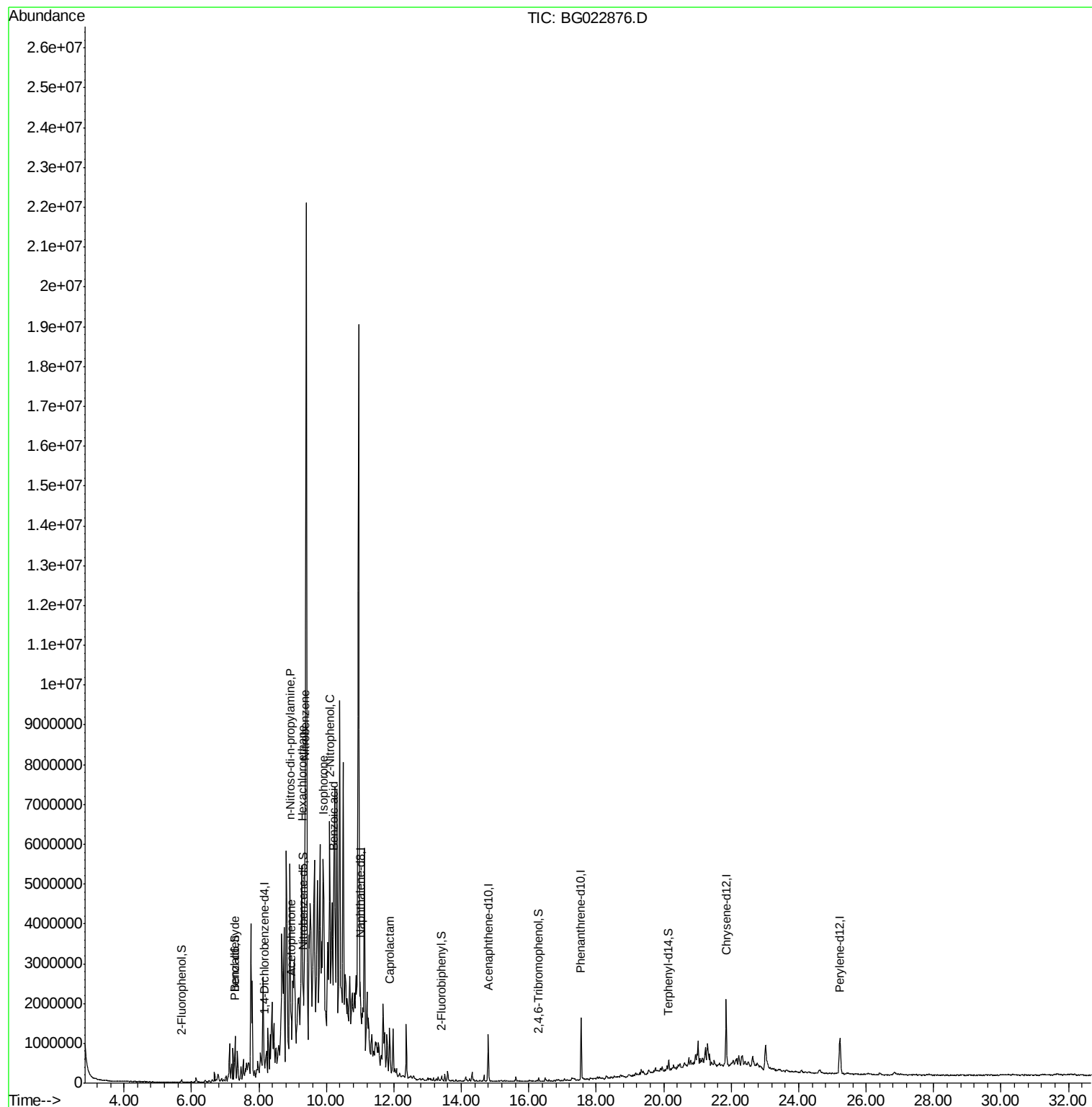
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	37528	9.91	ng	# 1
18) Hexachloroethane	9.27	117	25282	6.33	ng	# 1
19) n-Nitroso-di-n-propylamine	8.92	70	183246	20.44	ng	# 36
22) Acetophenone	8.97	105	110792	7.16	ng	# 41
24) Nitrobenzene	9.36	77	30443	2.18	ng	# 46
25) Isophorone	9.90	82	465169	18.95	ng	# 1
26) 2-Nitrophenol	10.09	139	46603	9.26	ng	# 1
32) Benzoic acid	10.20	122	26616	8.90	ng	# 41
35) Caprolactam	11.88	113	16610	5.63	ng	# 1

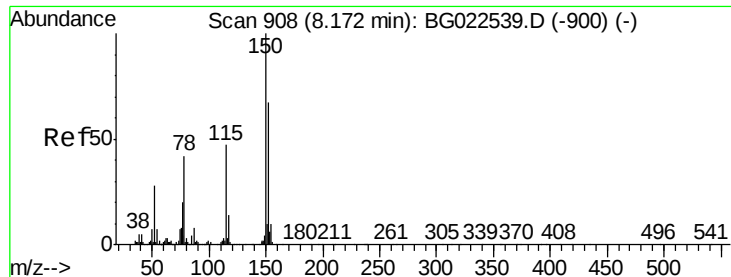
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

Instrument :

BNA_G

ClientSampleId :

LAR9945

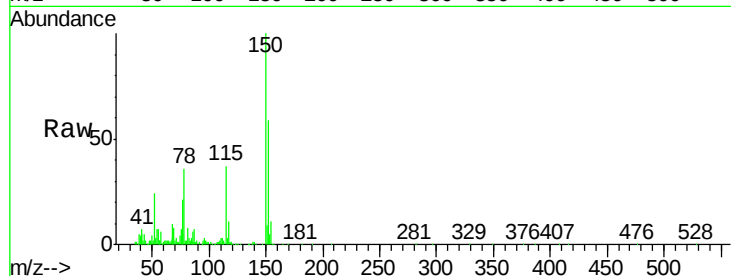
Tgt Ion:152 Resp: 122502

Ion Ratio Lower Upper

152 100

150 170.0 144.7 217.1

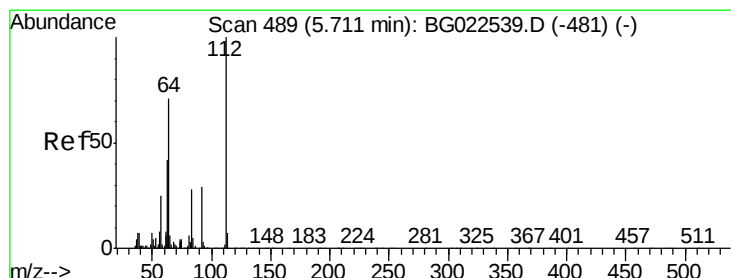
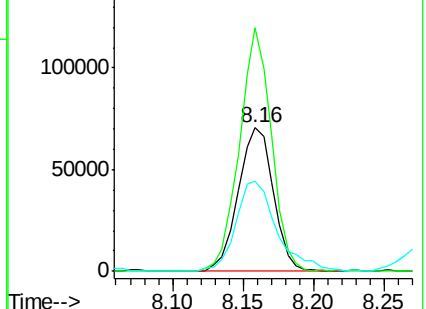
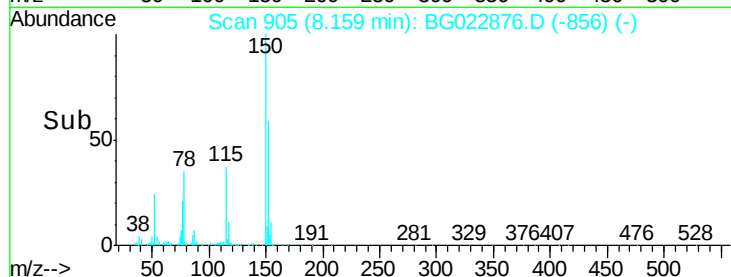
115 62.9 64.0 96.0#



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: 2.99 ng

RT: 5.70 min Scan# 486

Delta R.T. -0.01 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

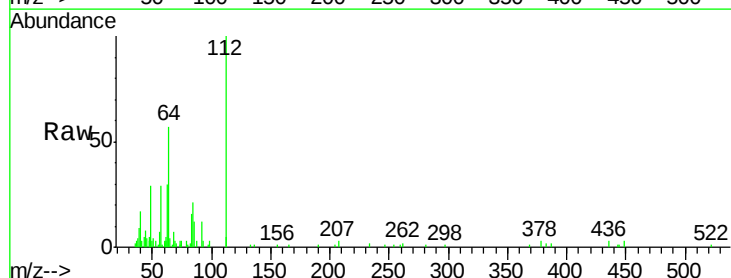
Tgt Ion:112 Resp: 22817

Ion Ratio Lower Upper

112 100

64 57.3 59.0 88.4#

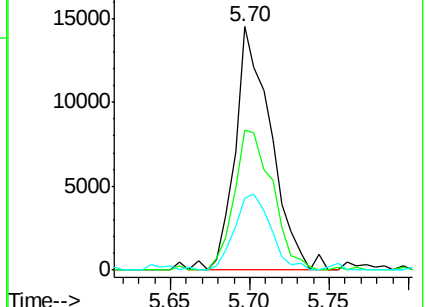
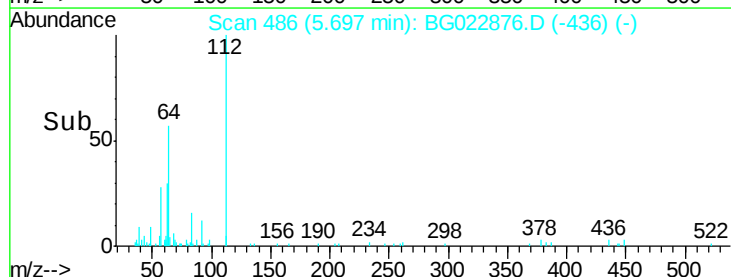
63 29.6 37.8 56.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 4.26 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

Instrument :

BNA_G

ClientSampleId :

LAR9945

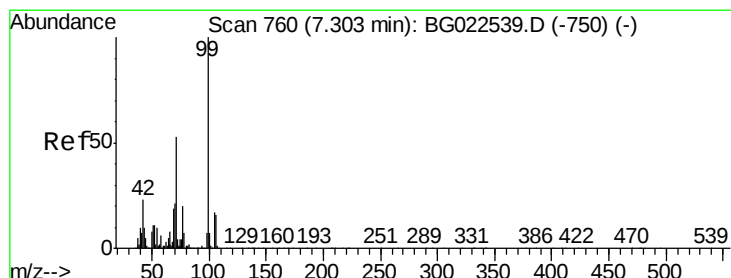
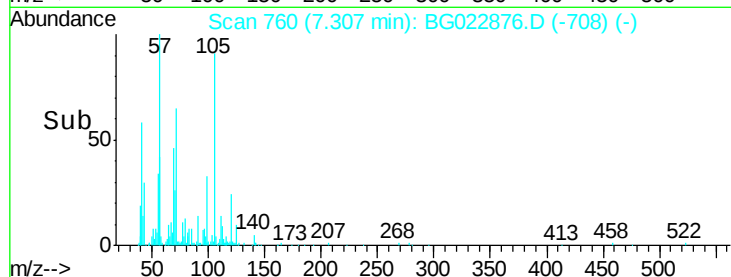
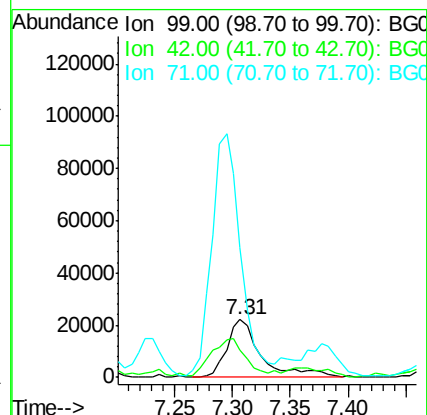
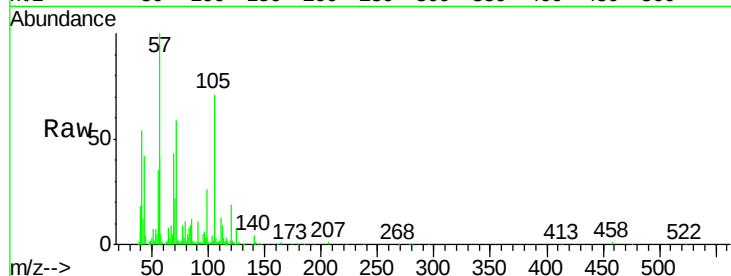
Tgt Ion: 99 Resp: 45809

Ion Ratio Lower Upper

99 100

42 46.8 17.8 26.6#

71 223.4 41.5 62.3#



#9

Benzaldehyde

Concen: 9.91 ng

RT: 7.29 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

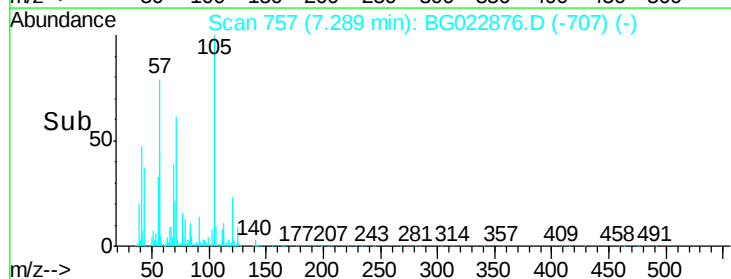
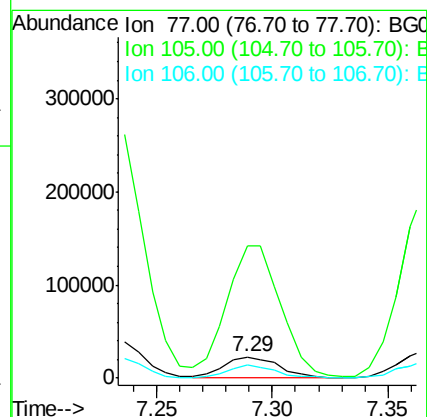
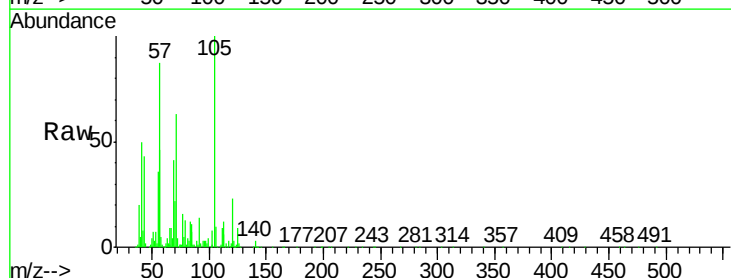
Tgt Ion: 77 Resp: 37528

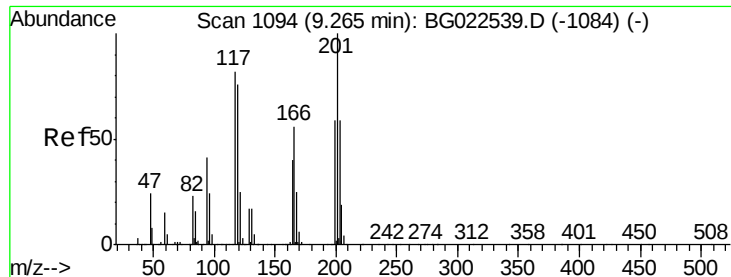
Ion Ratio Lower Upper

77 100

105 632.7 58.7 98.7#

106 66.0 67.5 107.5#

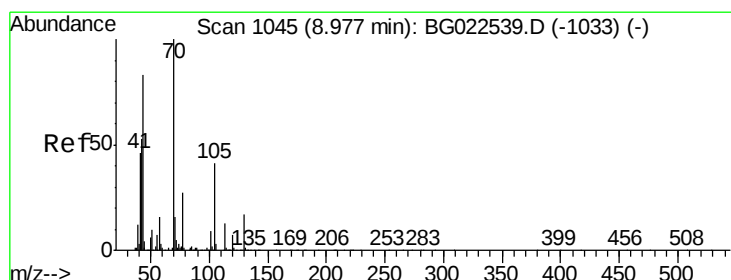
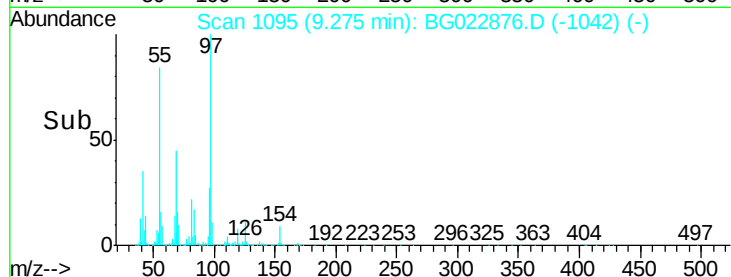
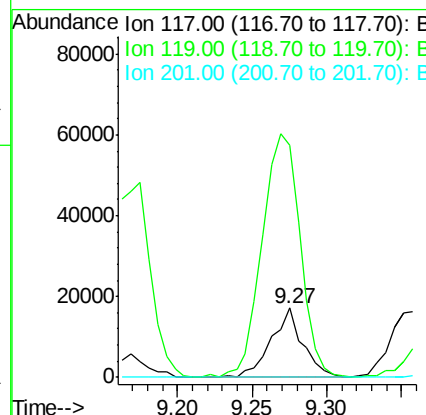
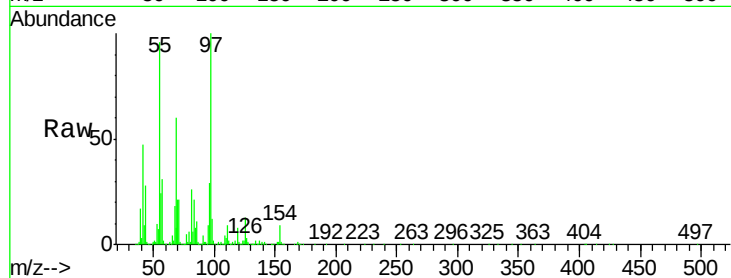




#18
Hexachloroethane
Concen: 6.33 ng
RT: 9.27 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

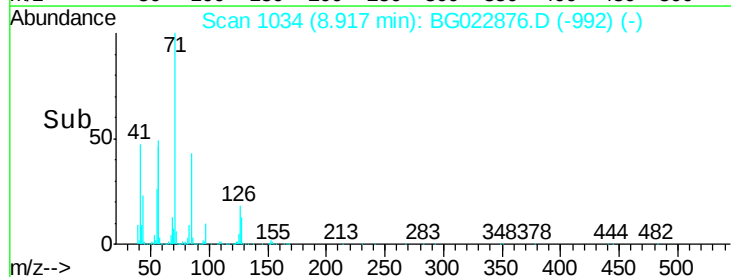
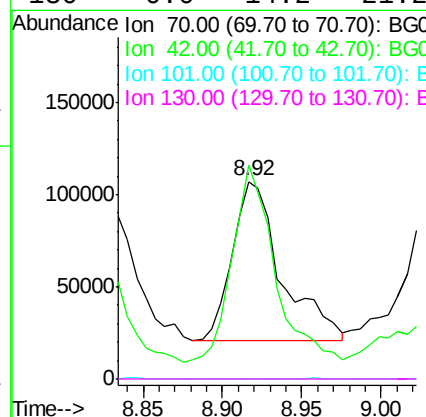
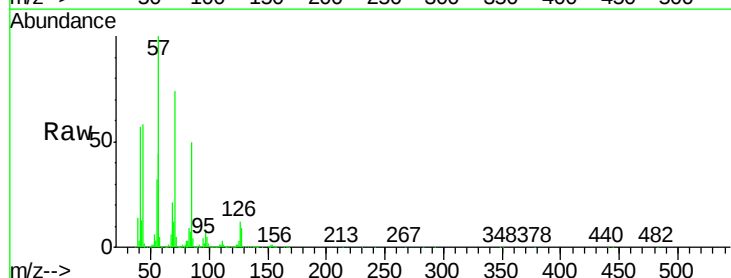
Instrument :
BNA_G
ClientSampleId :
LAR9945

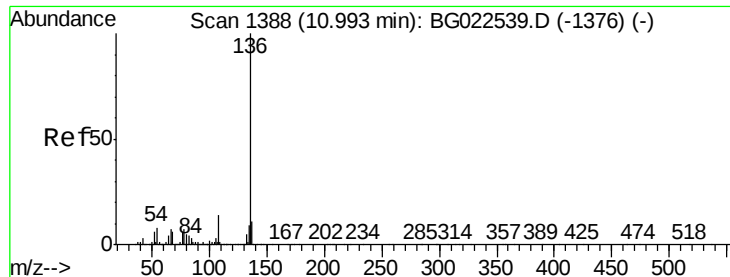
Tgt Ion: 117 Resp: 25282
Ion Ratio Lower Upper
117 100
119 334.6 73.7 110.5#
201 0.0 88.7 133.1#



#19
n-Nitroso-di-n-propylamine
Concen: 20.44 ng
RT: 8.92 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Tgt Ion: 70 Resp: 183246
Ion Ratio Lower Upper
70 100
42 108.1 42.1 63.1#
101 0.2 7.2 10.8#
130 0.0 14.2 21.2#

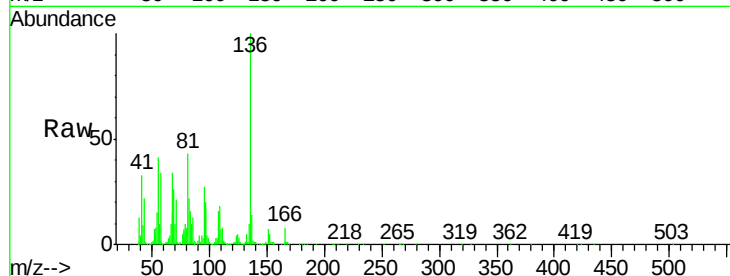




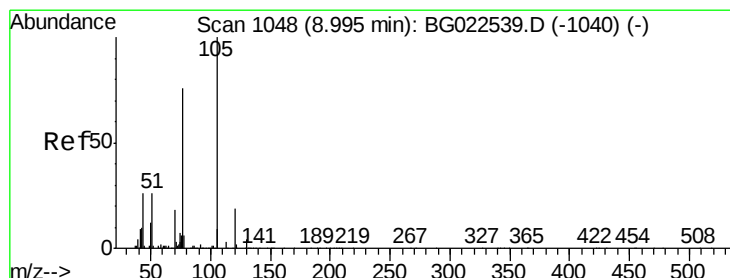
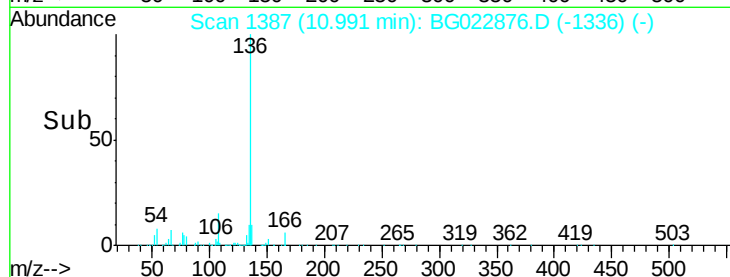
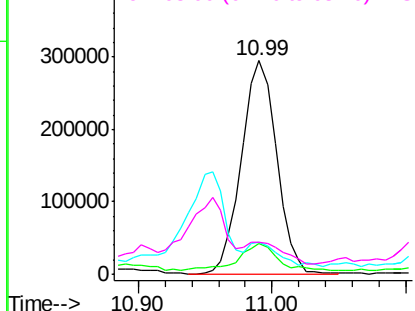
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.00 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Instrument :
BNA_G
ClientSampleId :
LAR9945

Tgt Ion:	136	Resp:	535234
Ion	Ratio	Lower	Upper
136	100		
137	14.2	9.6	14.4
54	15.1	7.3	10.9#
68	15.2	5.3	7.9#

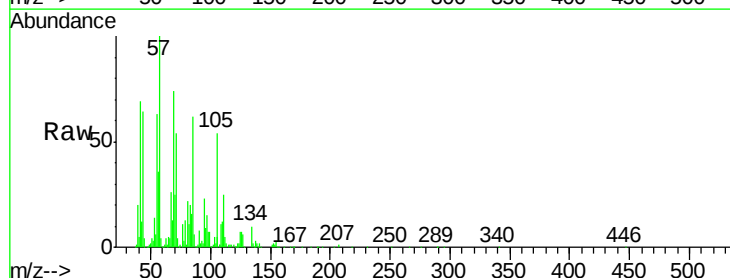


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

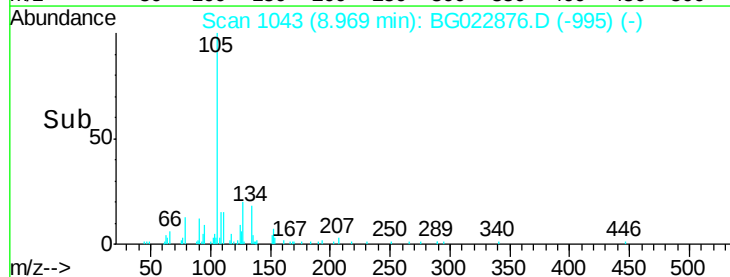
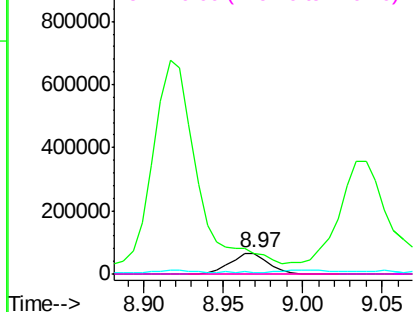


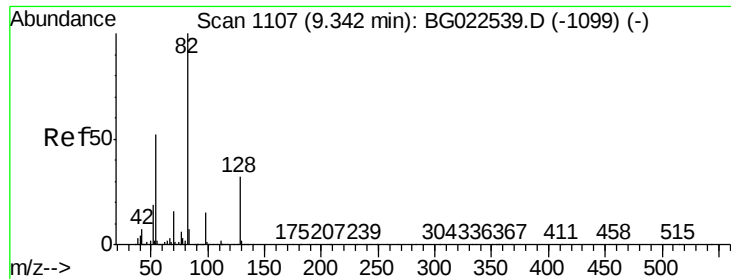
#22
Acetophenone
Concen: 7.16 ng
RT: 8.97 min Scan# 1043
Delta R.T. -0.02 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Tgt Ion:	105	Resp:	110792
Ion	Ratio	Lower	Upper
105	100		
71	100.9	2.6	3.8#
51	6.7	27.1	40.7#
120	0.4	15.1	22.7#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

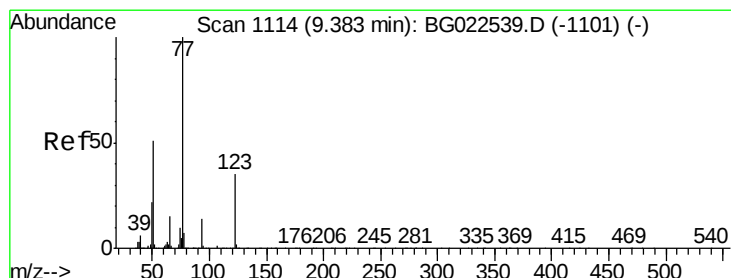
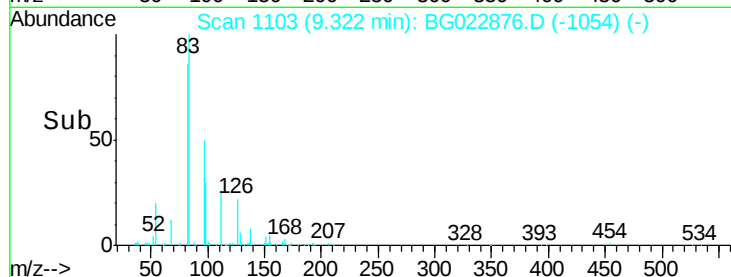
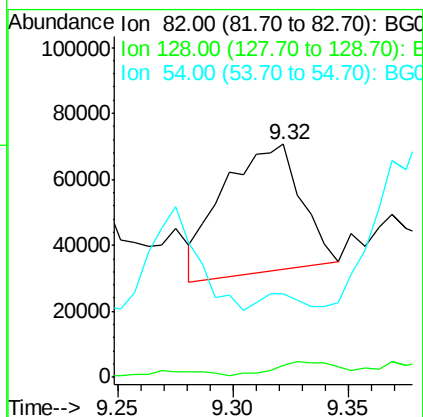
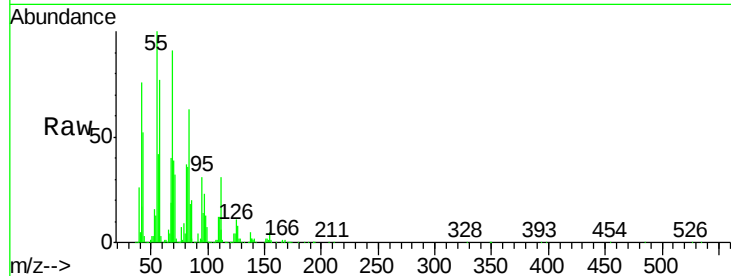




#23
Nitrobenzene-d5
Concen: 7.19 ng
RT: 9.32 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

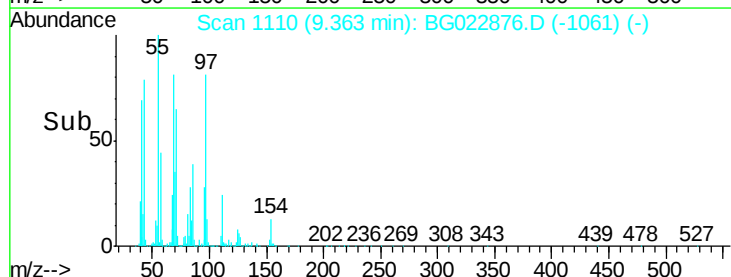
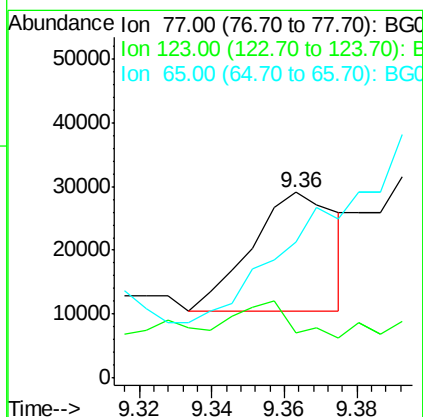
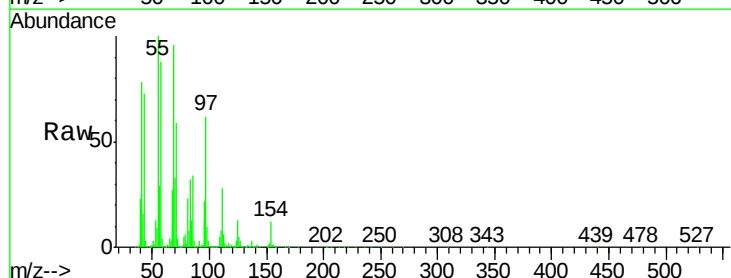
Instrument :
BNA_G
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LAR9945

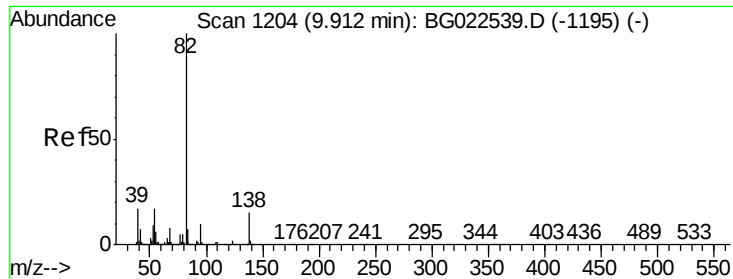
Tgt Ion: 82 Resp: 90983
Ion Ratio Lower Upper
82 100
128 5.4 24.4 36.6#
54 35.8 41.4 62.0#



#24
Nitrobenzene
Concen: 2.18 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Tgt Ion: 77 Resp: 30443
Ion Ratio Lower Upper
77 100
123 24.5 25.0 37.6#
65 73.4 13.4 20.0#





#25

Isophorone

Concen: 18.95 ng

RT: 9.90 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

Instrument :

BNA_G

ClientSampleId :

LAR9945

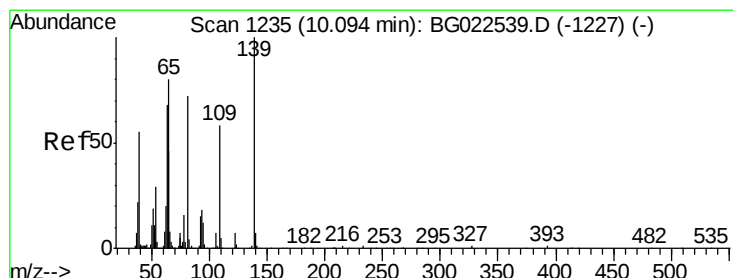
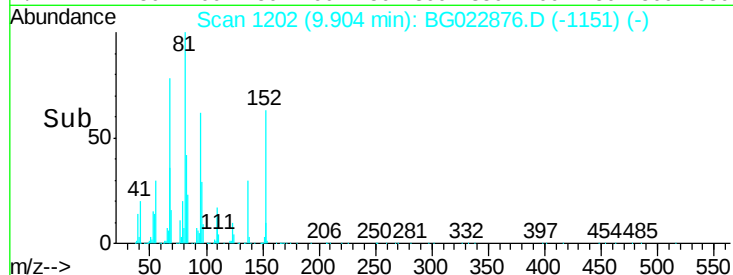
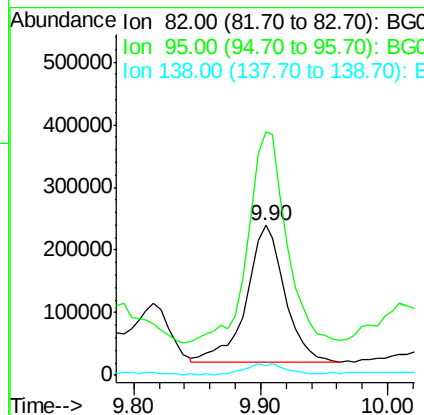
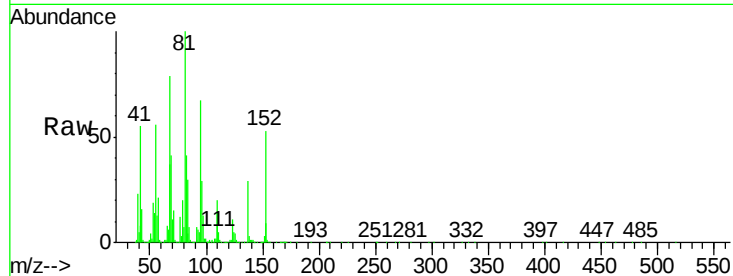
Tgt Ion: 82 Resp: 465169

Ion Ratio Lower Upper

82 100

95 162.7 8.2 12.2#

138 6.5 10.7 16.1#



#26

2-Nitrophenol

Concen: 9.26 ng

RT: 10.09 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

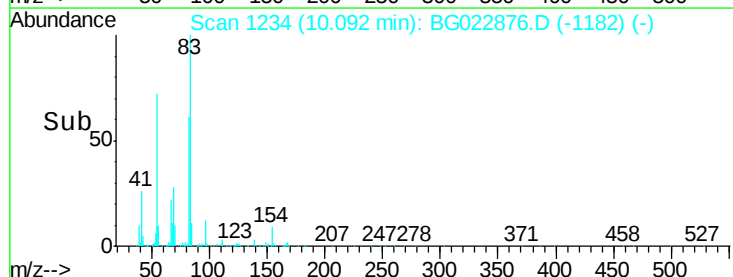
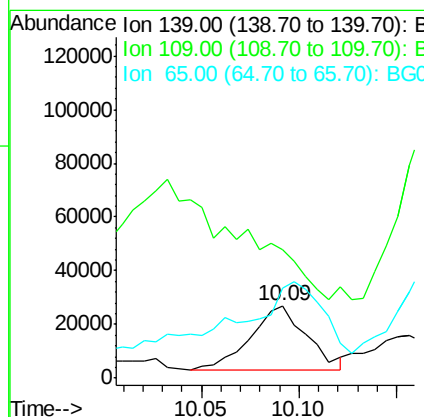
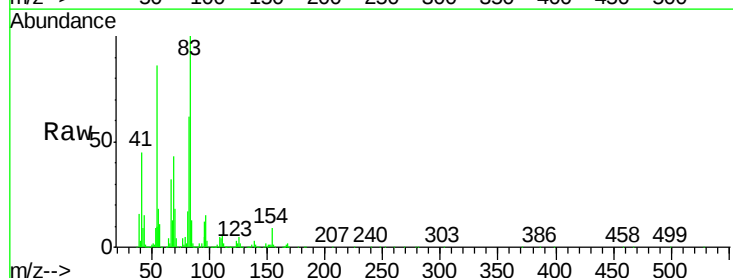
Tgt Ion: 139 Resp: 46603

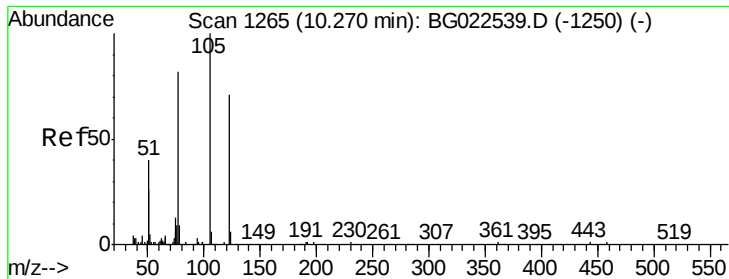
Ion Ratio Lower Upper

139 100

109 178.5 43.5 65.3#

65 124.8 64.3 96.5#





#32

Benzoic acid

Concen: 8.90 ng

RT: 10.20 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

Instrument :

BNA_G

ClientSampleId :

LAR9945

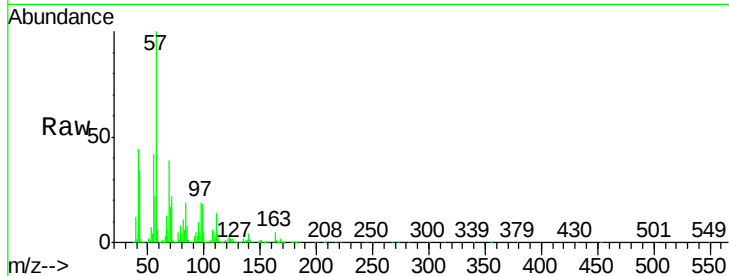
Tgt Ion:122 Resp: 26616

Ion Ratio Lower Upper

122 100

105 31.8 117.2 157.2#

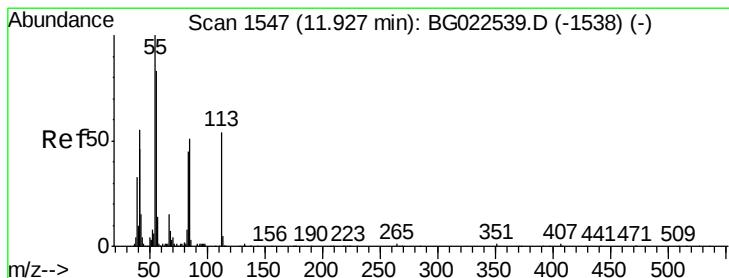
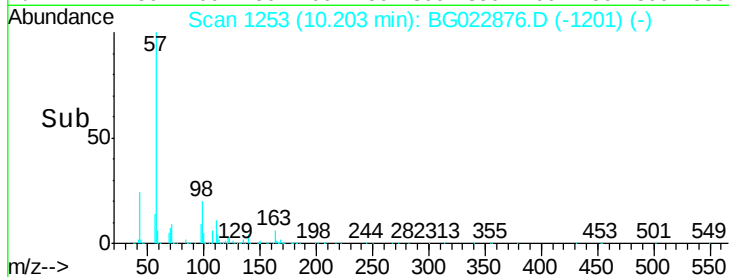
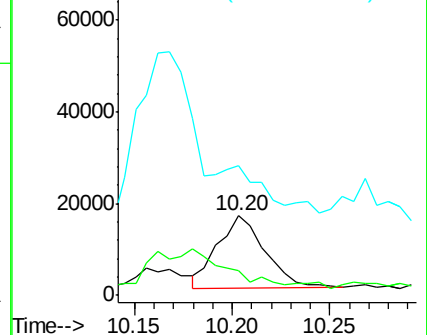
77 163.2 109.2 149.2#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#35

Caprolactam

Concen: 5.63 ng

RT: 11.88 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

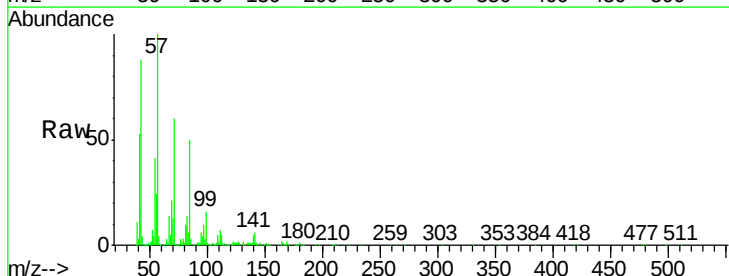
Tgt Ion:113 Resp: 16610

Ion Ratio Lower Upper

113 100

55 842.7 154.5 194.5#

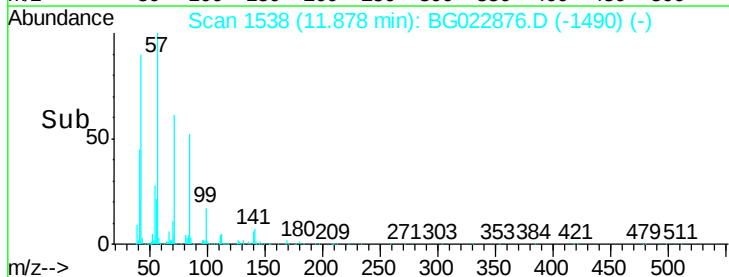
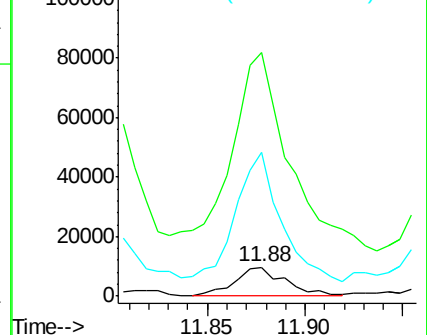
56 498.0 125.1 165.1#

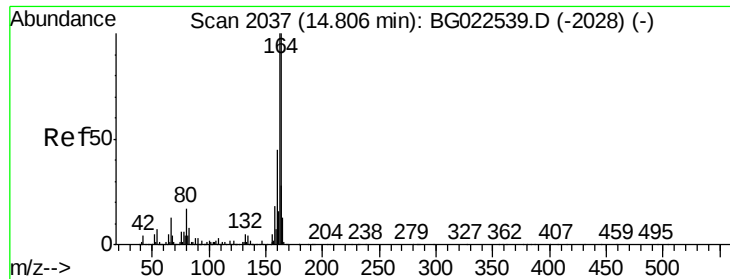


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

Instrument :

BNA_G

ClientSampleId :

LAR9945

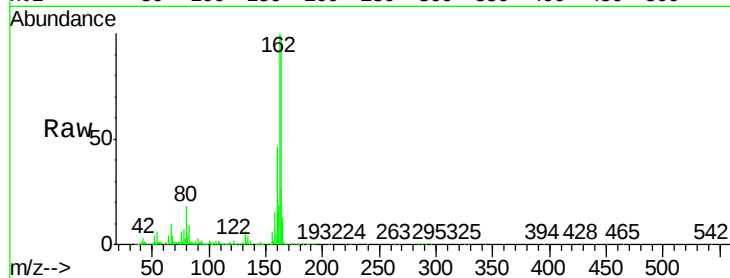
Tgt Ion:164 Resp: 412046

Ion Ratio Lower Upper

164 100

162 101.1 87.7 131.5

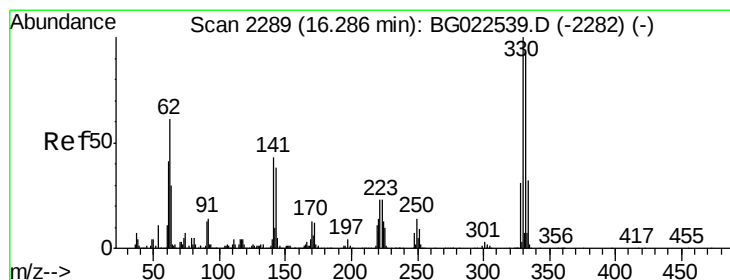
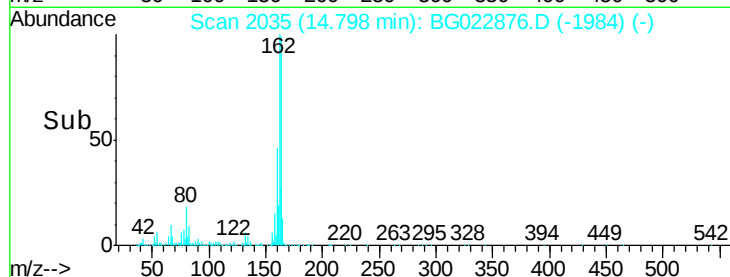
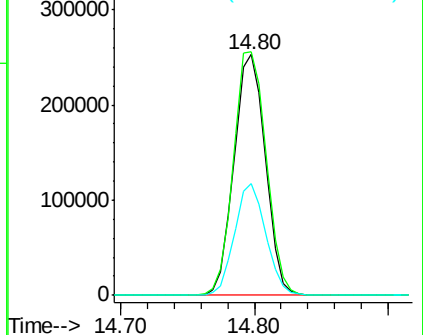
160 46.3 37.2 55.8



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: 2.85 ng

RT: 16.29 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG022876.D

Acq: 6 Jul 2016 13:59

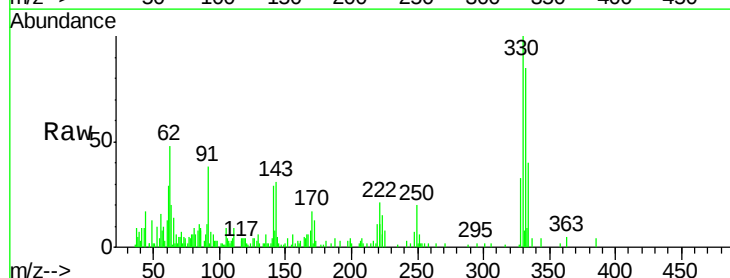
Tgt Ion:330 Resp: 18463

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

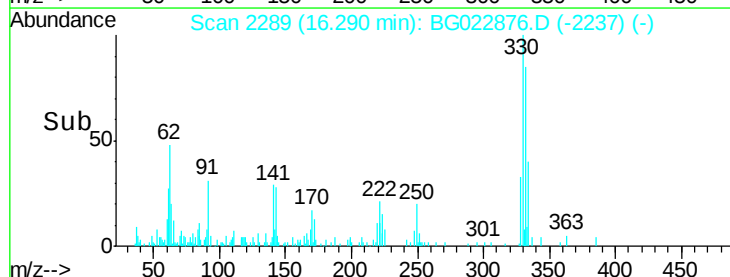
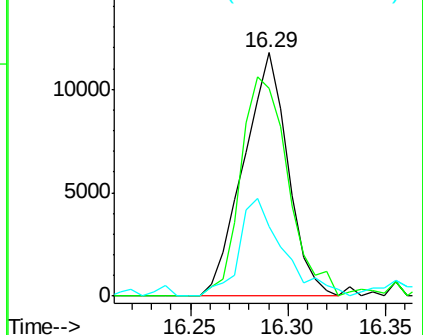
141 39.9 31.7 47.5

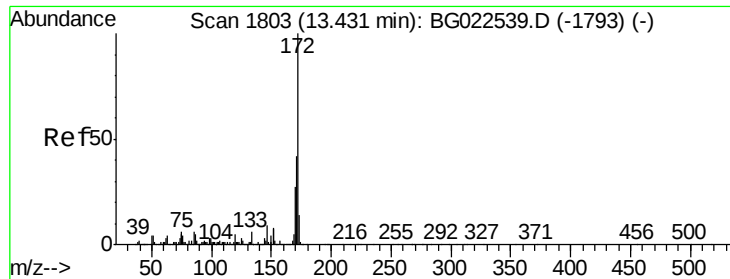


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

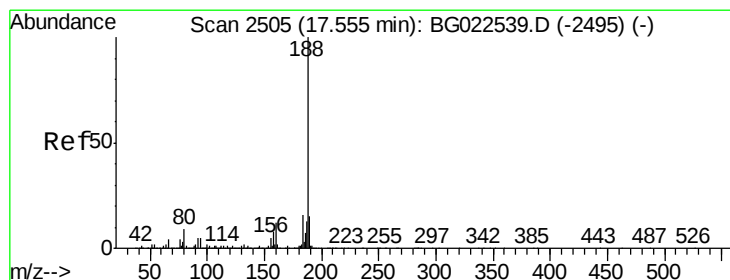
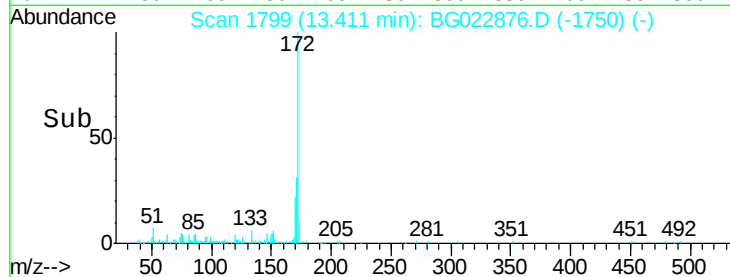
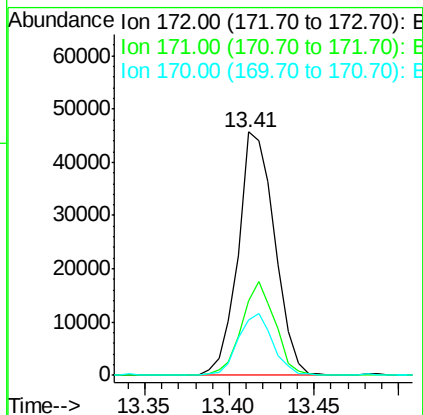
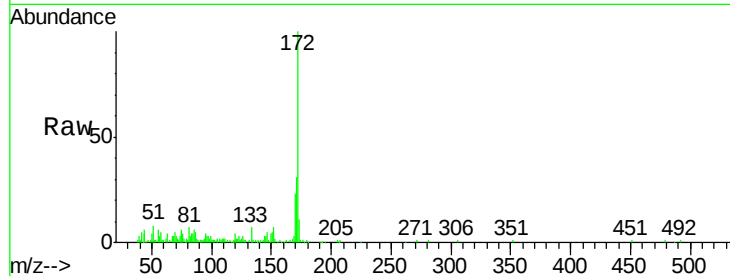




#44
2-Fluorobiphenyl
Concen: 2.65 ng
RT: 13.41 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

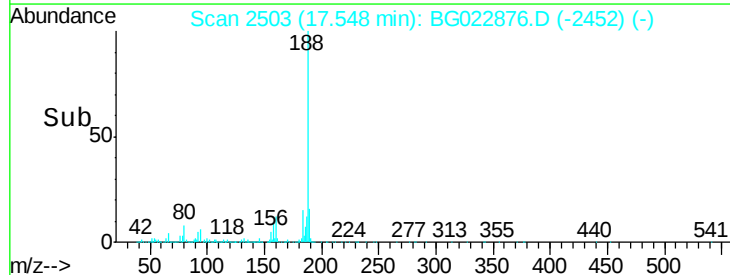
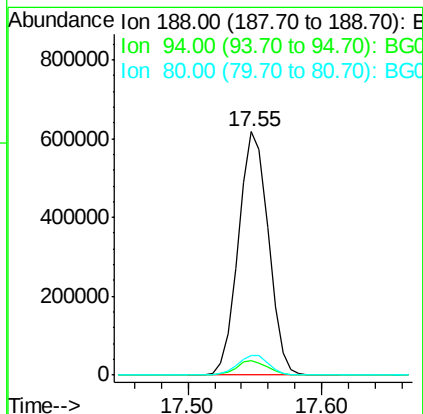
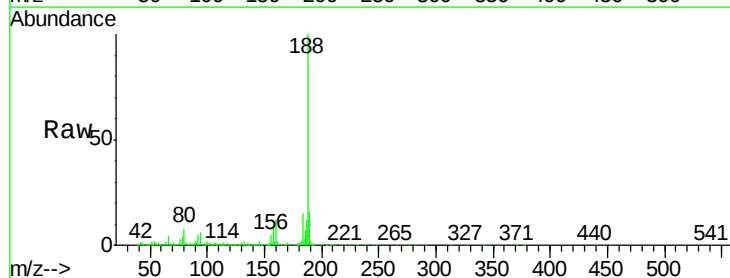
Instrument :
BNA_G
ClientSampleId :
LAR9945

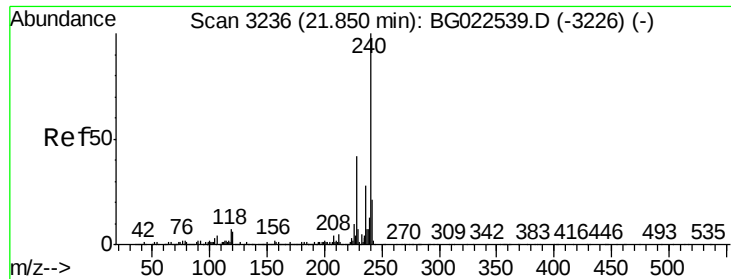
Tgt Ion:172 Resp: 68855
Ion Ratio Lower Upper
172 100
171 30.6 31.6 47.4#
170 22.7 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Tgt Ion:188 Resp: 958871
Ion Ratio Lower Upper
188 100
94 6.2 5.2 7.8
80 8.2 7.2 10.8

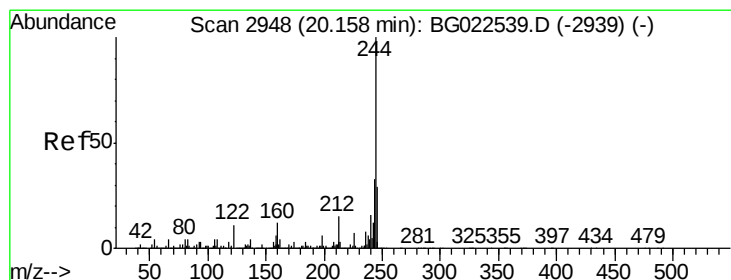
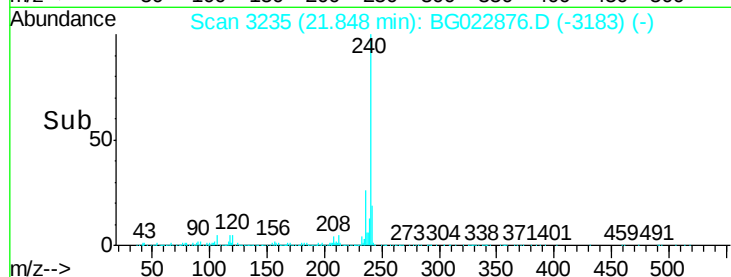
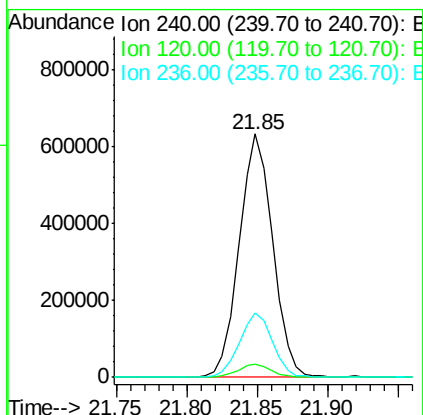
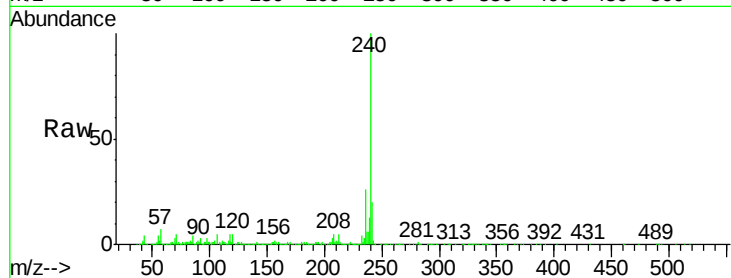




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

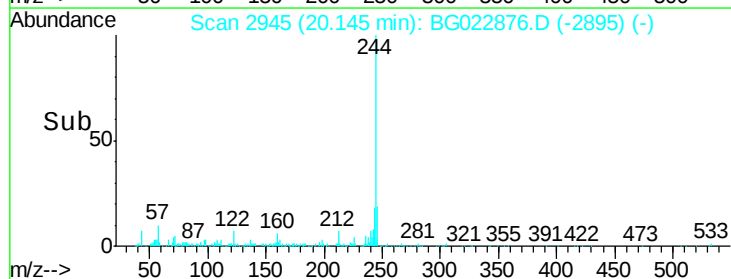
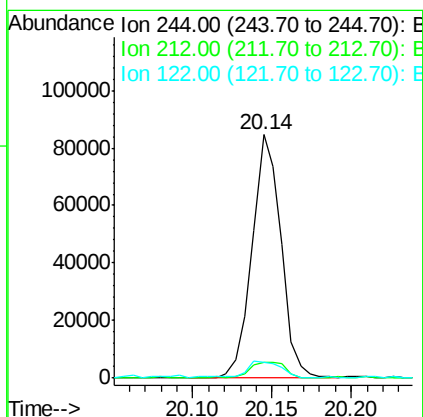
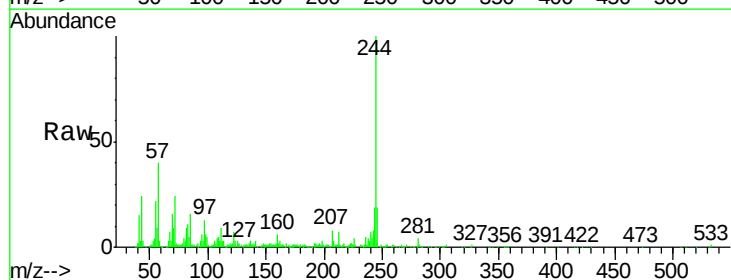
Instrument :
BNA_G
ClientSampleId :
LAR9945

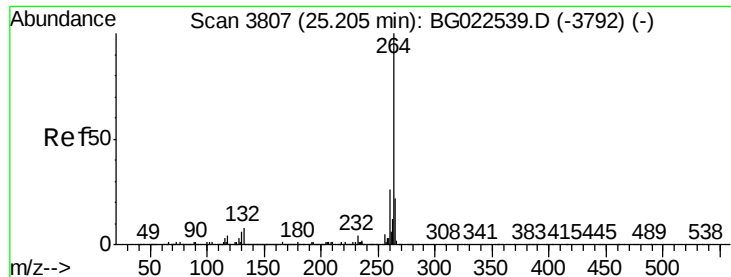
Tgt Ion:240 Resp: 1051143
Ion Ratio Lower Upper
240 100
120 5.5 4.1 6.1
236 26.4 21.1 31.7



#78
Terphenyl-d14
Concen: 2.71 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.01 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Tgt Ion:244 Resp: 107504
Ion Ratio Lower Upper
244 100
212 6.7 10.8 16.2#
122 6.6 8.0 12.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.23 min Scan# 3810
Delta R.T. 0.02 min
Lab File: BG022876.D
Acq: 6 Jul 2016 13:59

Instrument :
BNA_G
ClientSampleId :
LAR9945

Tgt Ion:264 Resp: 1116875

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	21.1	18.9	28.3

