

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062816\
 Data File : BG022695.D
 Acq On : 29 Jun 2016 3:47
 Operator : UM/SJ
 Sample : H3769-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EPCH-DUP

Quant Time: Jun 29 04:21:36 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

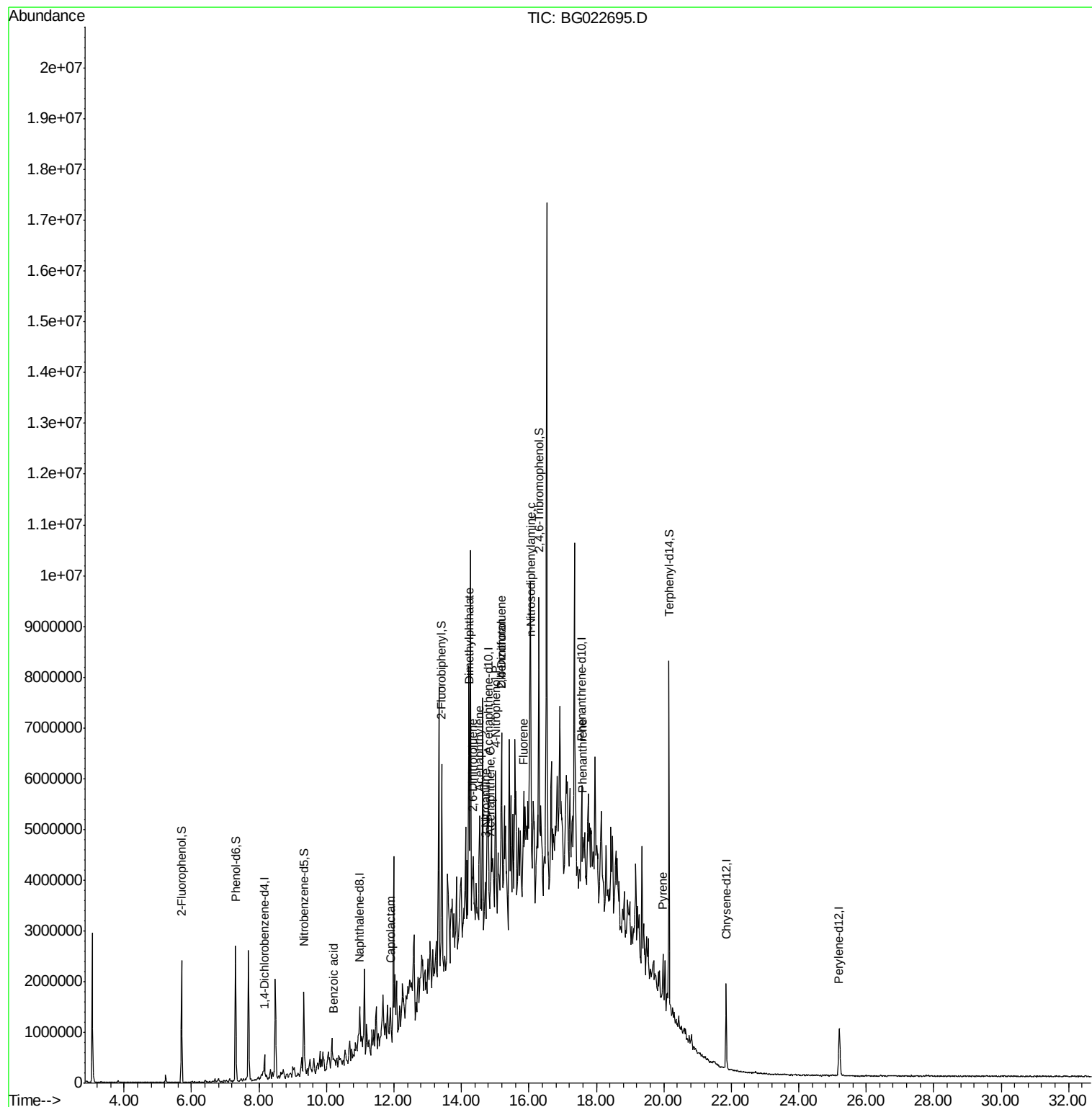
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	134665	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	546296	20.00	ng	-0.01
38) Acenaphthene-d10	14.80	164	402754	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	879448	20.00	ng	0.01
75) Chrysene-d12	21.85	240	1061790	20.00	ng	0.00
86) Perylene-d12	25.20	264	1156386	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	1000664	119.19	ng	0.00
7) Phenol-d6	7.31	99	1461385	123.49	ng	0.00
23) Nitrobenzene-d5	9.33	82	1067340	82.69	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	792182	125.05	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1890406	74.44	ng	0.00
78) Terphenyl-d14	20.15	244	2519288	62.86	ng	0.00
Target Compounds						
32) Benzoic acid	10.21	122	16235	7.37	ng	# 50
35) Caprolactam	11.90	113	6388	2.12	ng	# 1
48) Acenaphthylene	14.52	152	94119	2.57	ng	# 1
49) Dimethylphthalate	14.24	163	268884	8.05	ng	# 60
50) 2,6-Dinitrotoluene	14.34	165	19021	2.62	ng	# 72
51) Acenaphthene	14.86	154	115987	4.30	ng	# 97
52) 3-Nitroaniline	14.70	138	36010	5.30	ng	# 8
54) Dibenzofuran	15.20	168	104800	2.68	ng	# 1
55) 4-Nitrophenol	15.00	139	103727	18.06	ng	# 61
56) 2,4-Dinitrotoluene	15.20	165	64767	6.44	ng	# 61
57) Fluorene	15.85	166	219779	7.05	ng	# 97
65) n-Nitrosodiphenylamine	16.06	169	785882	30.71	ng	# 46
70) Phenanthrene	17.60	178	426627	9.51	ng	# 88
77) Pyrene	19.97	202	182263	3.22	ng	# 62

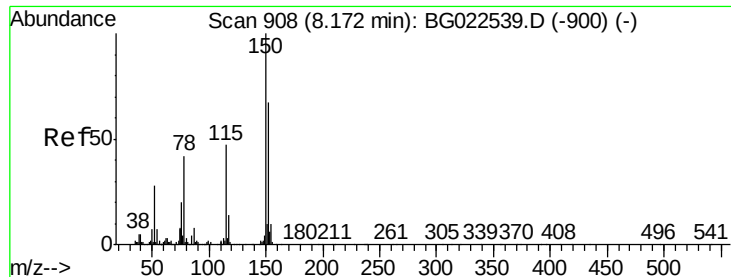
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. -0.02 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

BNA_G

ClientSampleId :

EPCH-DUP

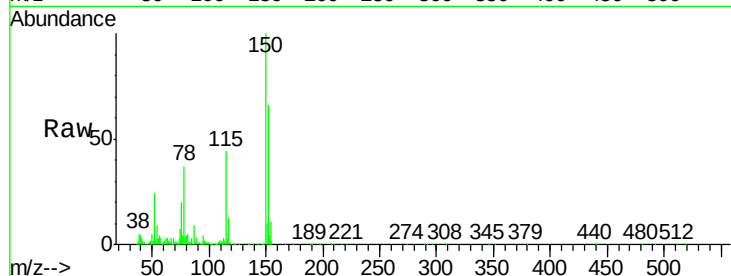
Tgt Ion:152 Resp: 134665

Ion Ratio Lower Upper

152 100

150 151.8 144.7 217.1

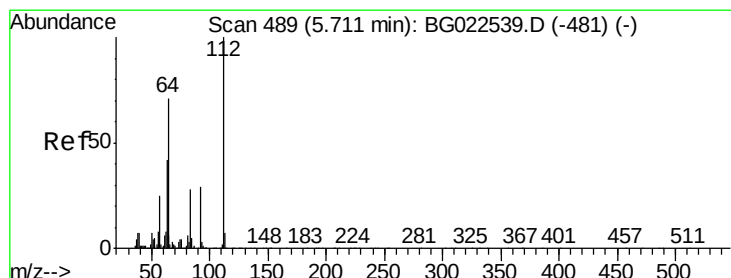
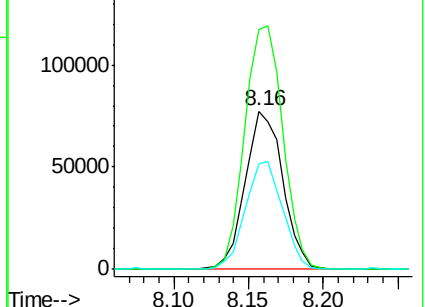
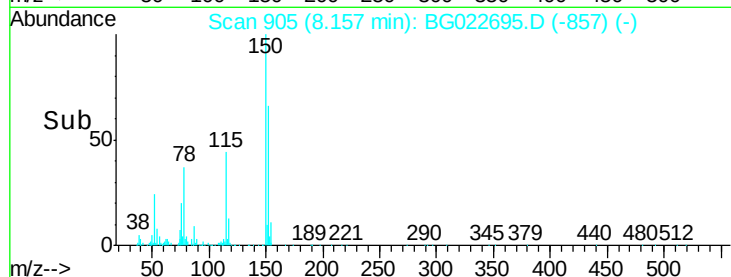
115 66.9 64.0 96.0



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: 119.19 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

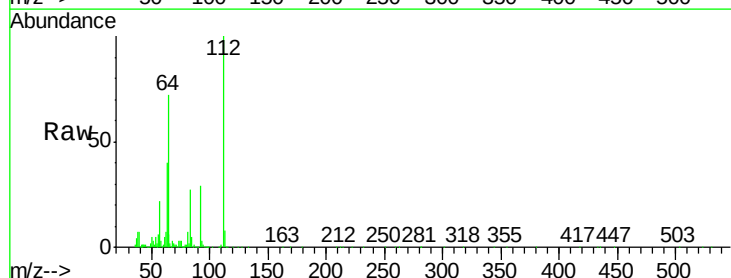
Tgt Ion:112 Resp: 1000664

Ion Ratio Lower Upper

112 100

64 71.7 59.0 88.4

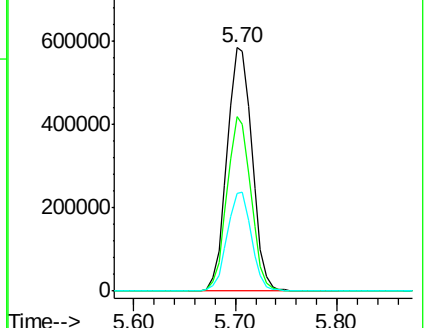
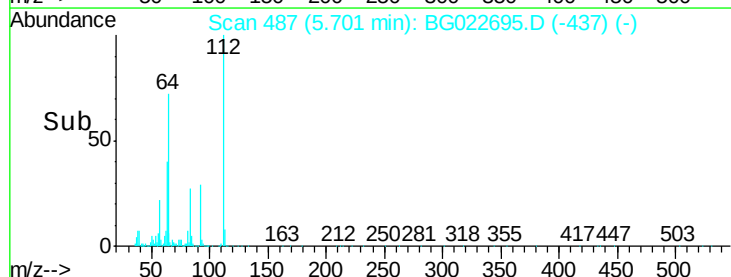
63 40.1 37.8 56.8

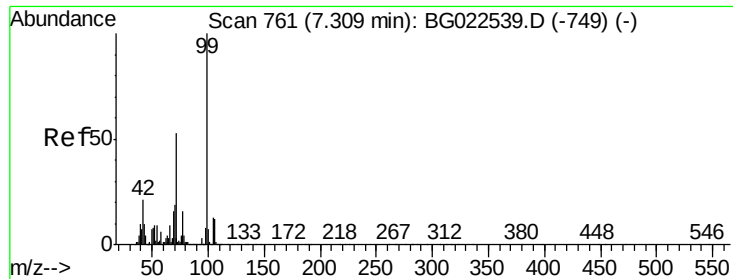


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 123.49 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

BNA_G

ClientSampleId :

EPCH-DUP

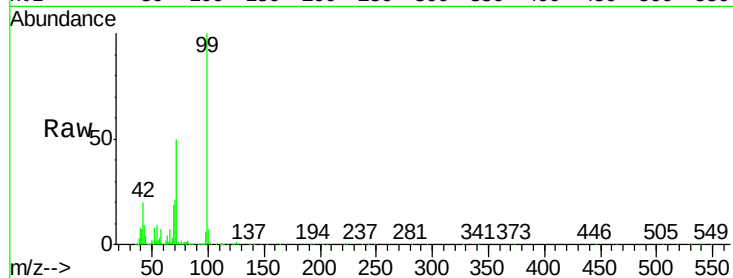
Tgt Ion: 99 Resp: 1461385

Ion Ratio Lower Upper

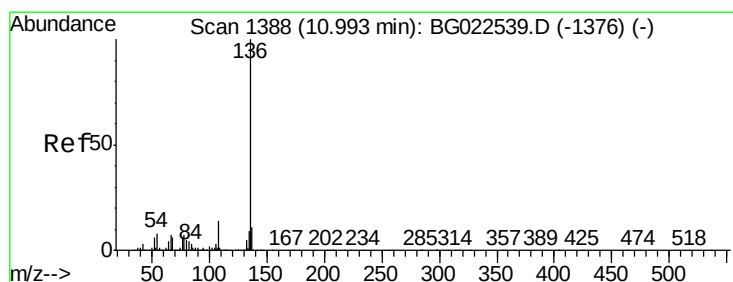
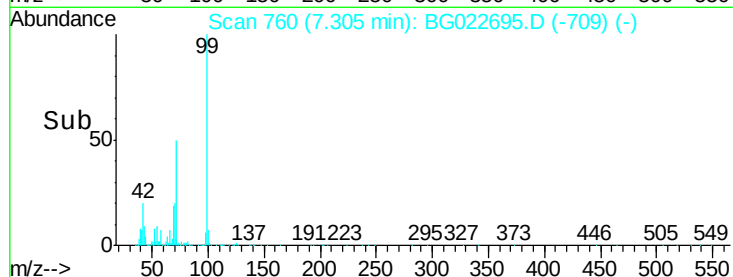
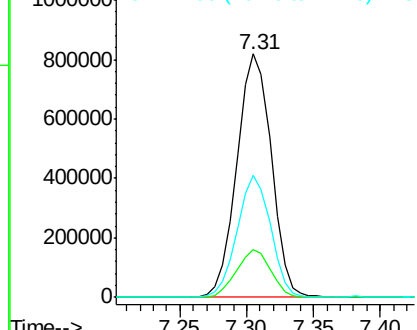
99 100

42 19.8 17.8 26.6

71 50.1 41.5 62.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Tgt Ion: 136 Resp: 546296

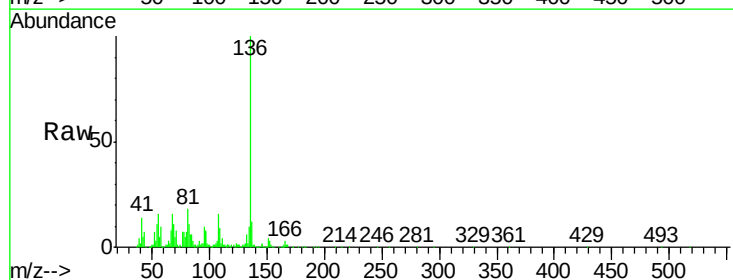
Ion Ratio Lower Upper

136 100

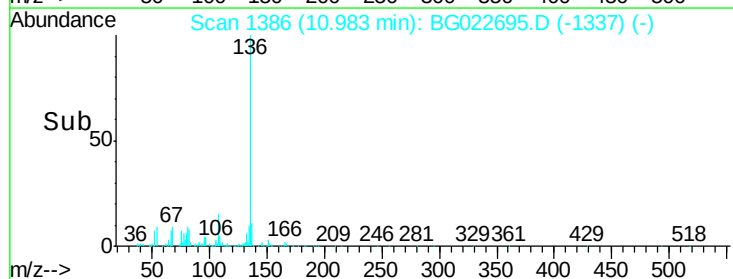
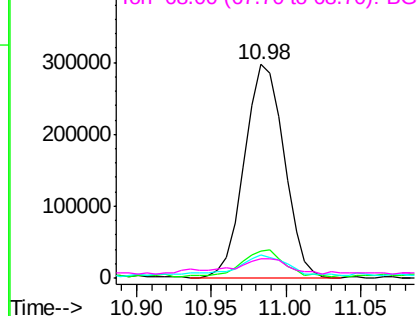
137 12.4 9.6 14.4

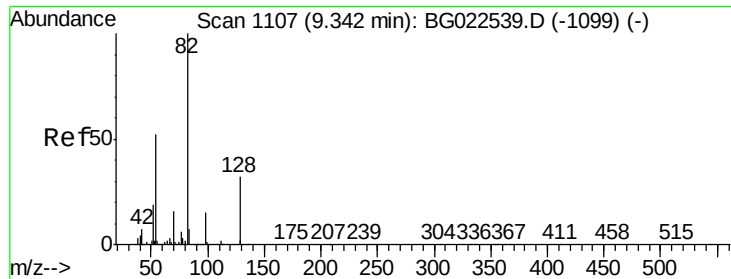
54 10.6 7.3 10.9

68 9.1 5.3 7.9#



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

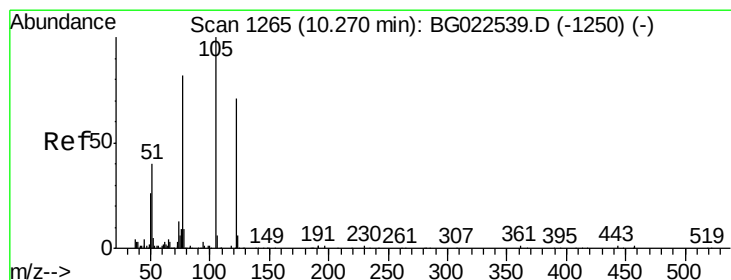
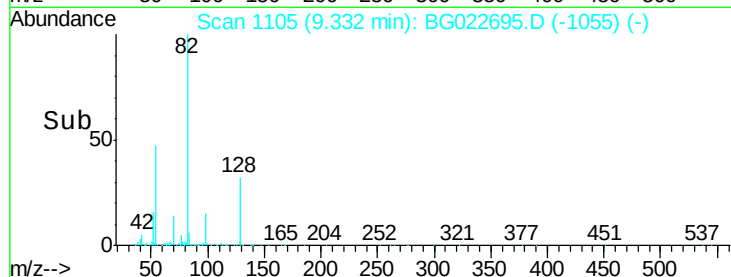
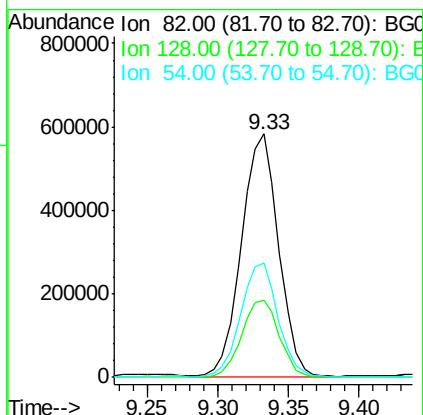
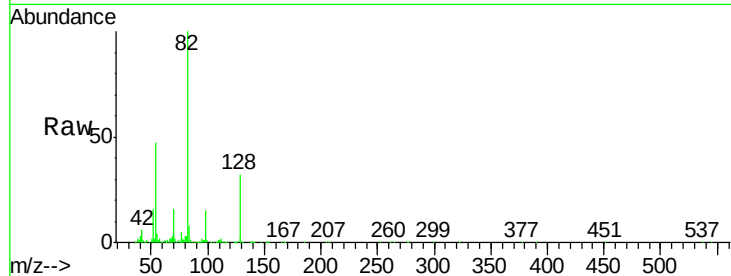




#23
 Nitrobenzene-d5
 Concen: 82.69 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

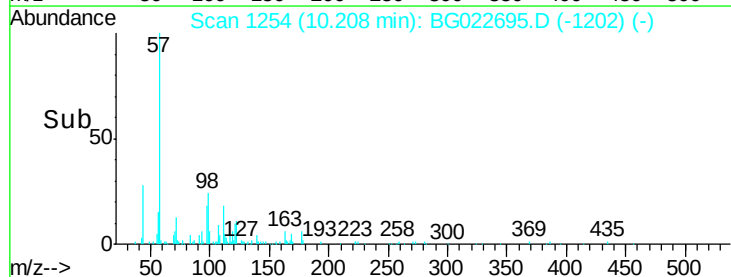
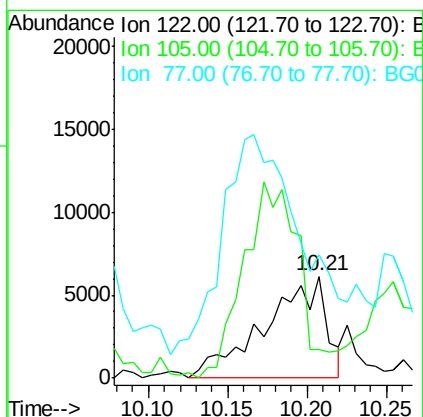
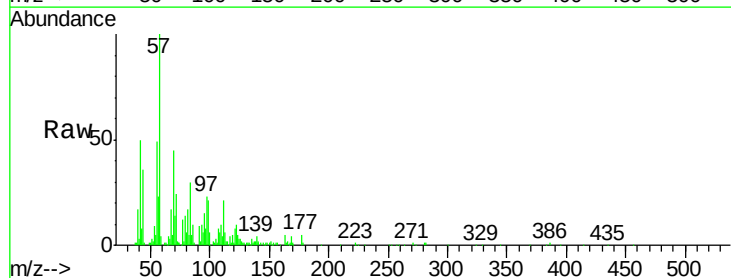
Instrument :
 BNA_G
 ClientSampleId :
 EPCH-DUP

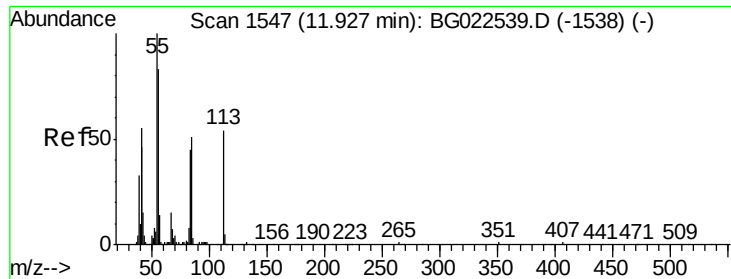
Tgt Ion: 82 Resp: 1067340
 Ion Ratio Lower Upper
 82 100
 128 31.7 24.4 36.6
 54 46.8 41.4 62.0



#32
 Benzoic acid
 Concen: 7.37 ng
 RT: 10.21 min Scan# 1254
 Delta R.T. 0.01 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

Tgt Ion: 122 Resp: 16235
 Ion Ratio Lower Upper
 122 100
 105 27.6 117.2 157.2#
 77 121.4 109.2 149.2

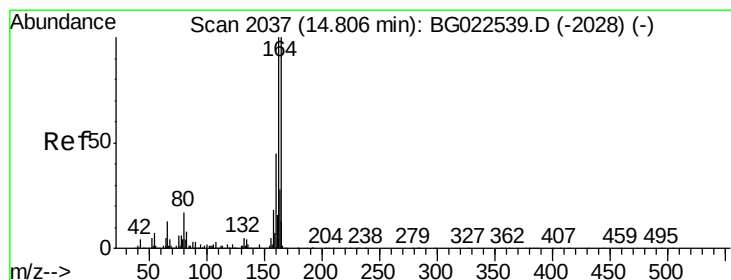
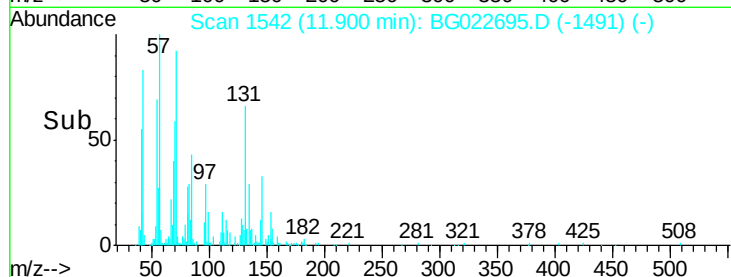
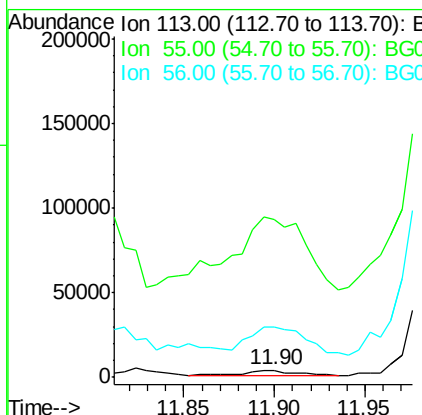
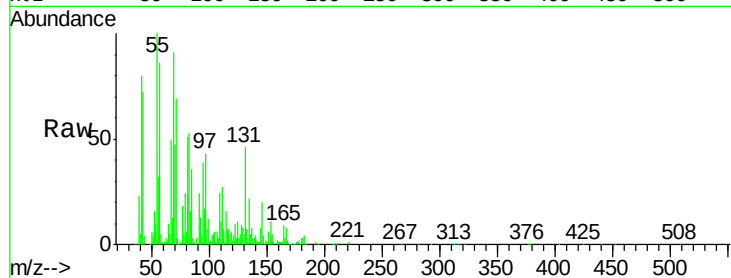




#35
 Caprolactam
 Concen: 2.12 ng
 RT: 11.90 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

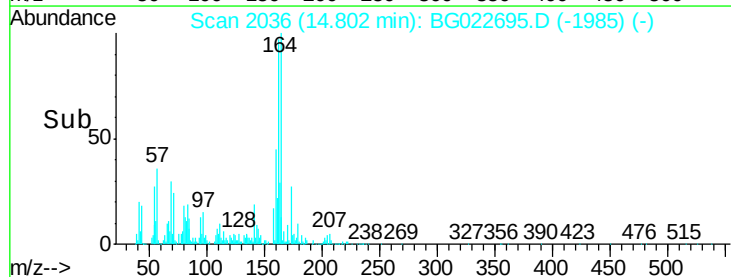
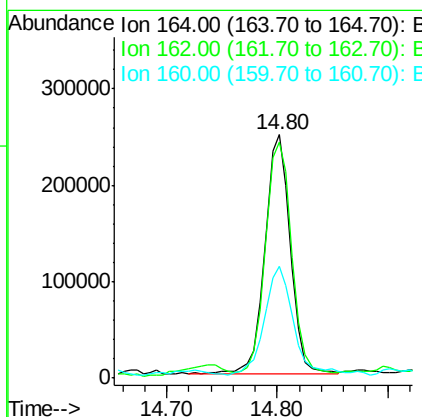
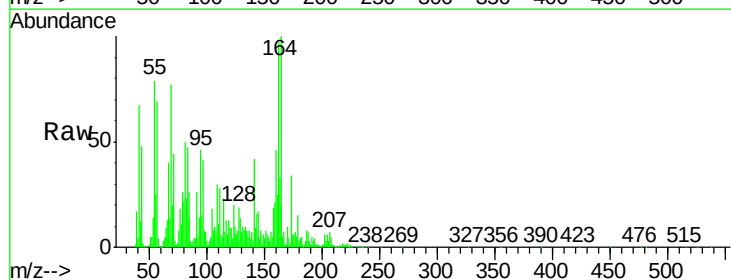
Instrument :
 BNA_G
 ClientSampleId :
 EPCH-DUP

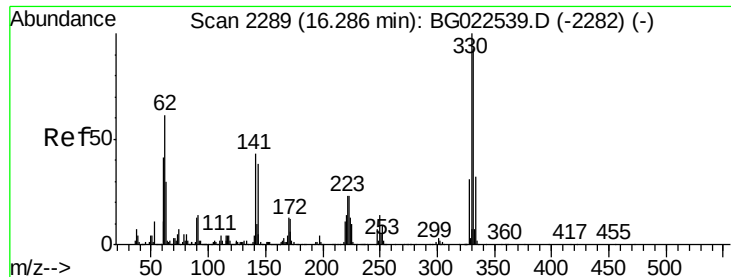
Tgt Ion:113 Resp: 6388
 Ion Ratio Lower Upper
 113 100
 55 2224.0 154.5 194.5#
 56 715.3 125.1 165.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

Tgt Ion:164 Resp: 402754
 Ion Ratio Lower Upper
 164 100
 162 96.7 87.7 131.5
 160 46.1 37.2 55.8





#41

2,4,6-Tribromophenol

Concen: 125.05 ng

RT: 16.29 min Scan# 2290

Delta R.T. 0.01 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

BNA_G

ClientSampleId :

EPCH-DUP

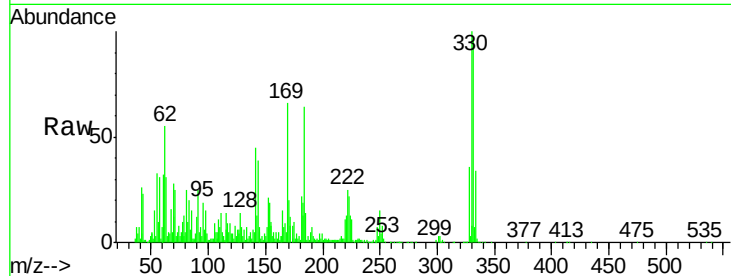
Tgt Ion:330 Resp: 792182

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

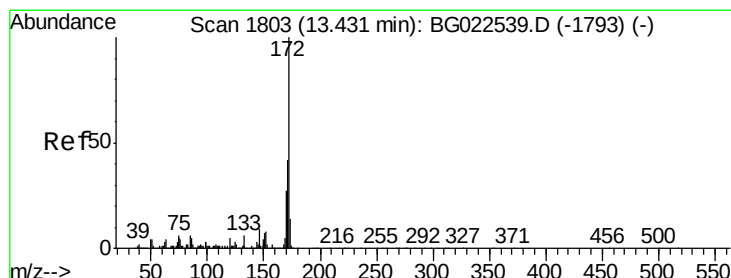
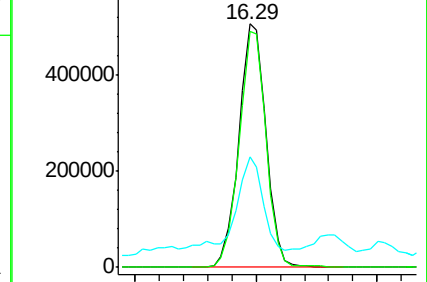
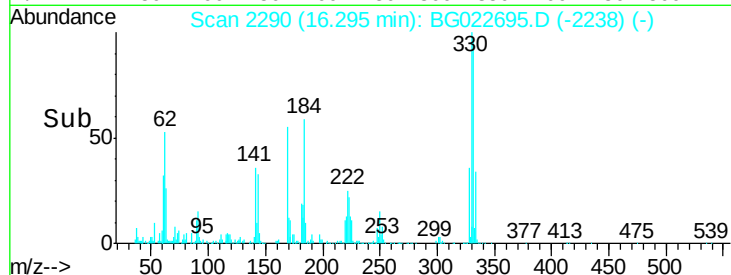
141 36.4 31.7 47.5



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: 74.44 ng

RT: 13.42 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

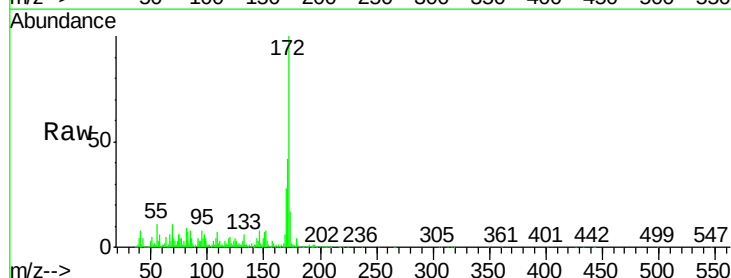
Tgt Ion:172 Resp: 1890406

Ion Ratio Lower Upper

172 100

171 42.0 31.6 47.4

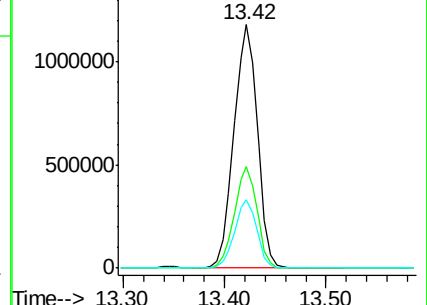
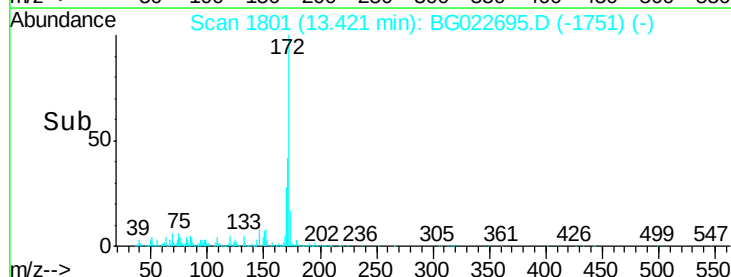
170 28.2 21.3 31.9

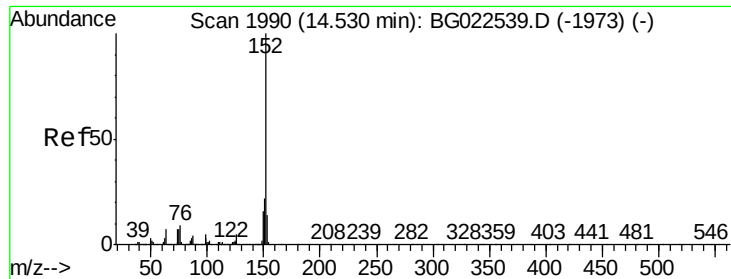


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.57 ng

RT: 14.52 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

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EPCH-DUP

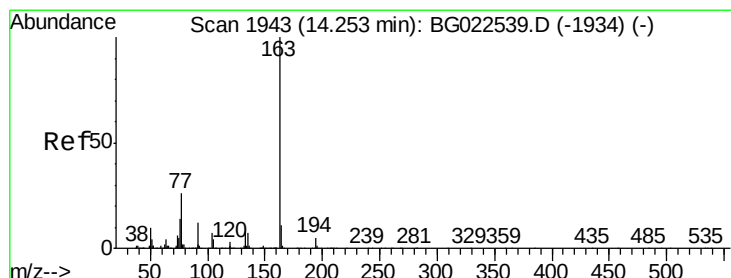
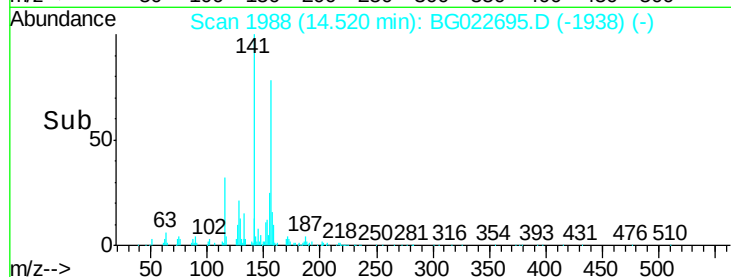
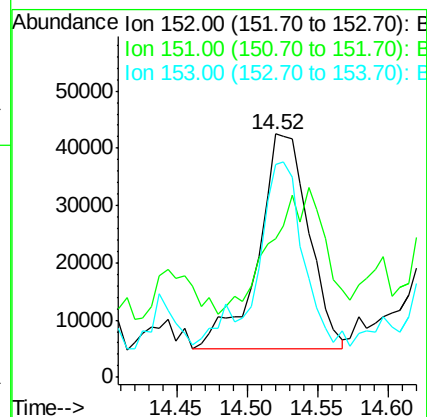
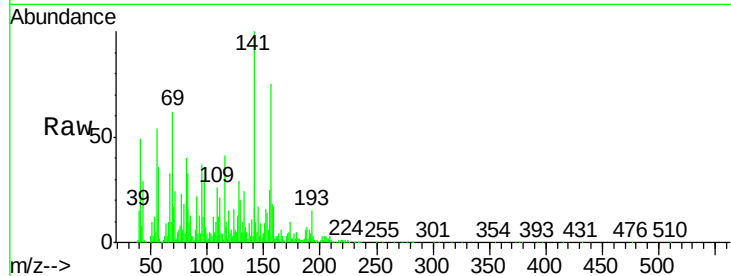
Tgt Ion:152 Resp: 94119

Ion Ratio Lower Upper

152 100

151 57.2 17.6 26.4#

153 87.4 11.4 17.2#



#49

Dimethylphthalate

Concen: 8.05 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

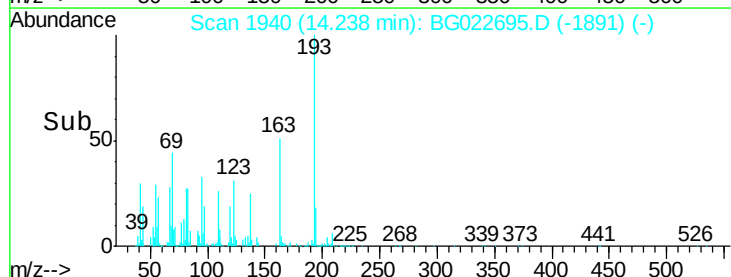
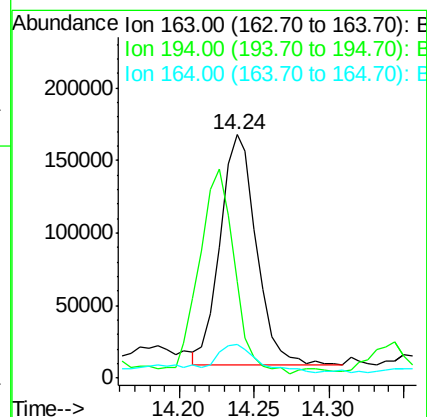
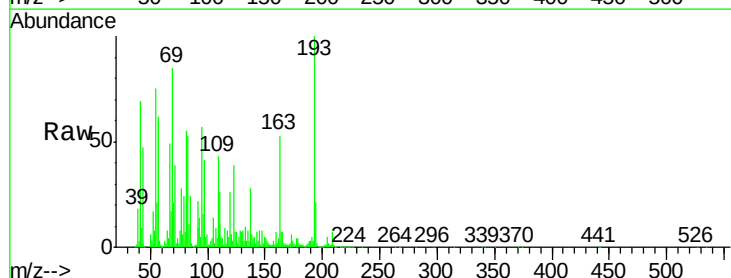
Tgt Ion:163 Resp: 268884

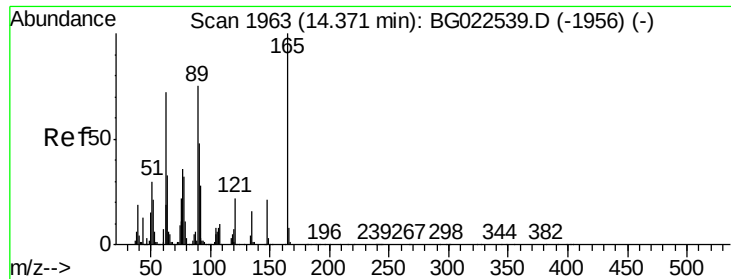
Ion Ratio Lower Upper

163 100

194 39.5 3.6 5.4#

164 13.9 8.1 12.1#

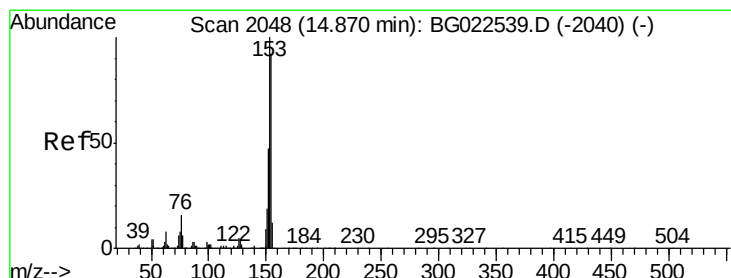
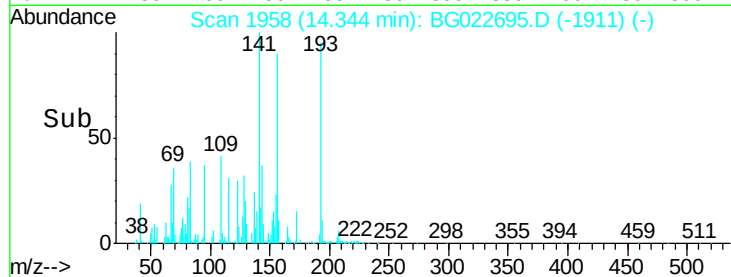
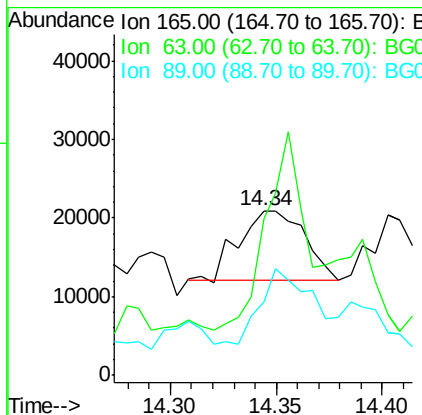
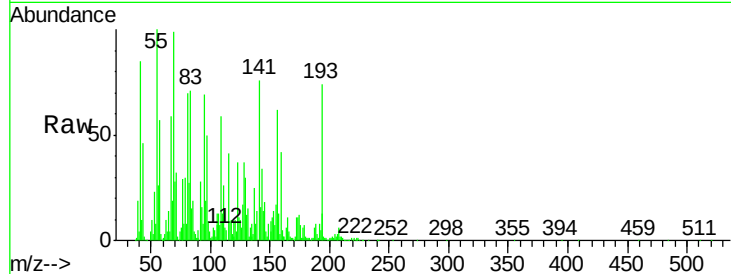




#50
 2,6-Dinitrotoluene
 Concen: 2.62 ng
 RT: 14.34 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

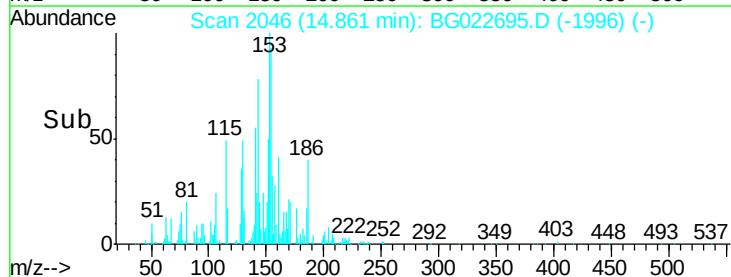
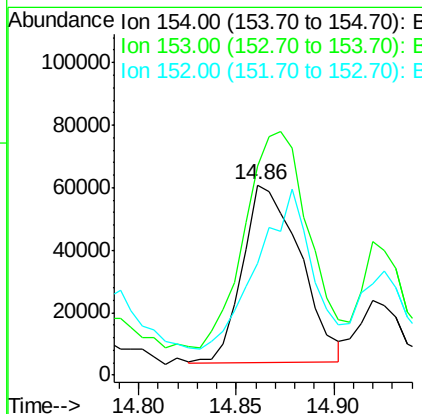
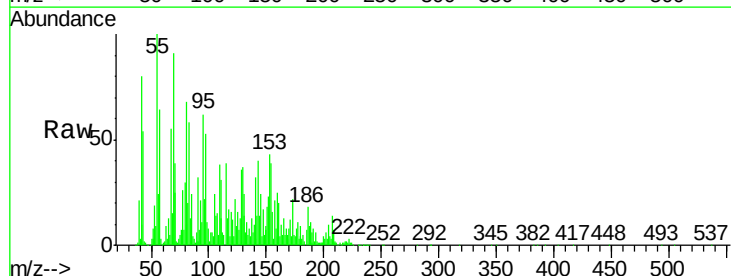
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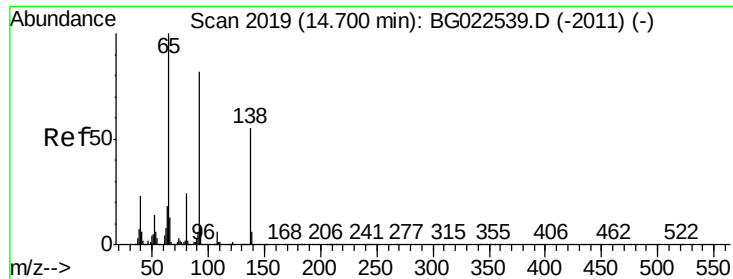
Tgt Ion:165 Resp: 19021
 Ion Ratio Lower Upper
 165 100
 63 94.8 64.3 96.5
 89 44.5 64.3 96.5#



#51
 Acenaphthene
 Concen: 4.30 ng
 RT: 14.86 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

Tgt Ion:154 Resp: 115987
 Ion Ratio Lower Upper
 154 100
 153 109.8 87.5 131.3
 152 58.7 42.7 64.1

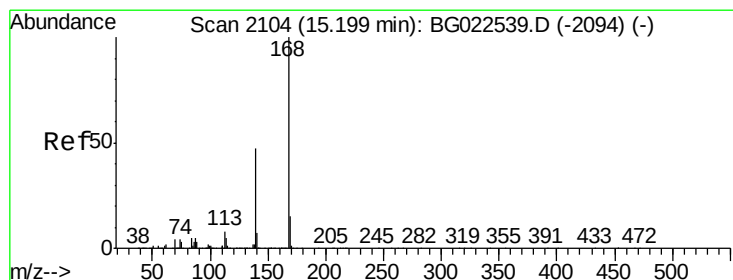
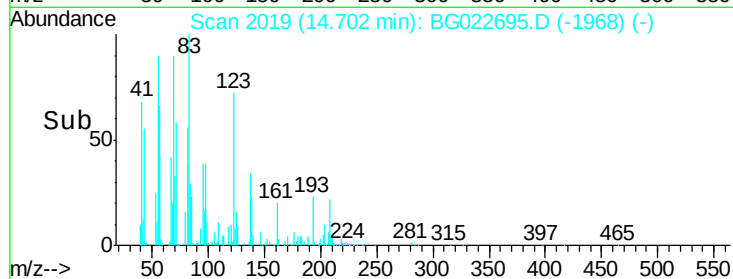
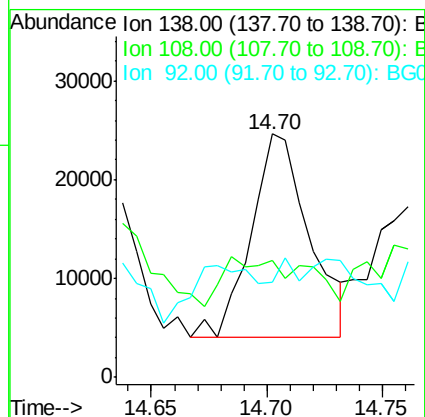
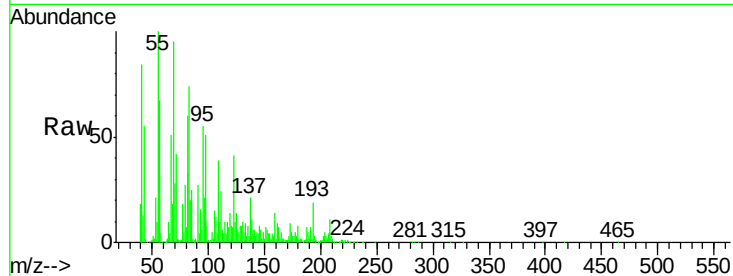




#52
 3-Nitroaniline
 Concen: 5.30 ng
 RT: 14.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

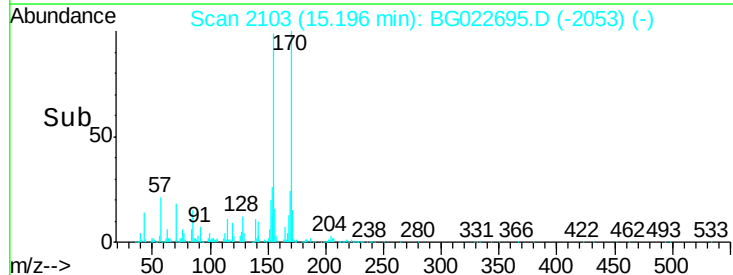
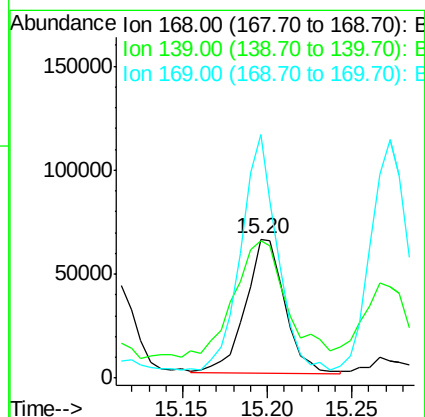
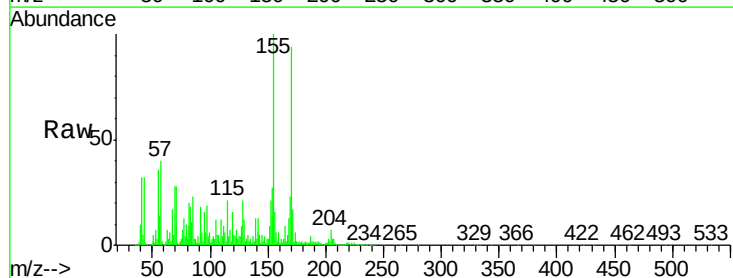
Instrument :
 BNA_G
 ClientSampleId :
 EPCH-DUP

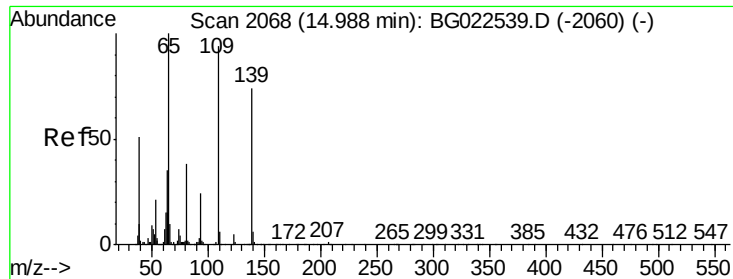
Tgt Ion:138 Resp: 36010
 Ion Ratio Lower Upper
 138 100
 108 48.0 11.7 17.5#
 92 38.9 129.7 194.5#



#54
 Dibenzofuran
 Concen: 2.68 ng
 RT: 15.20 min Scan# 2103
 Delta R.T. -0.00 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

Tgt Ion:168 Resp: 104800
 Ion Ratio Lower Upper
 168 100
 139 99.2 36.4 54.6#
 169 175.2 11.9 17.9#

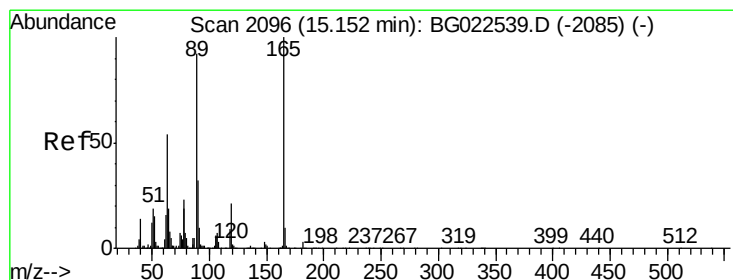
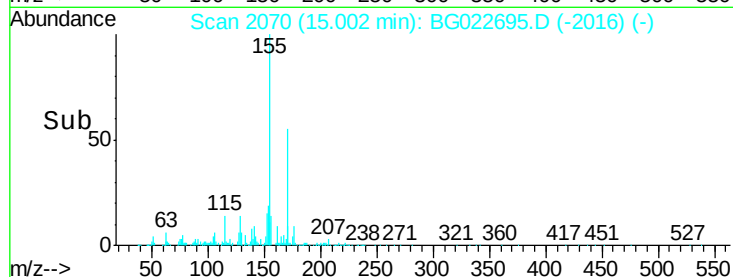
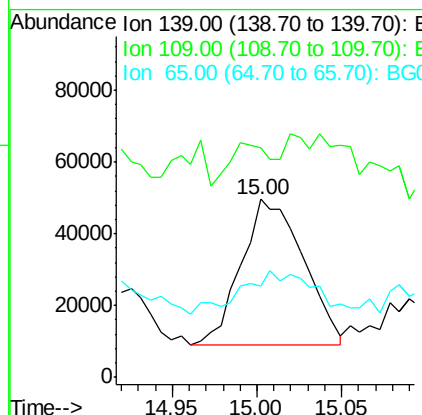
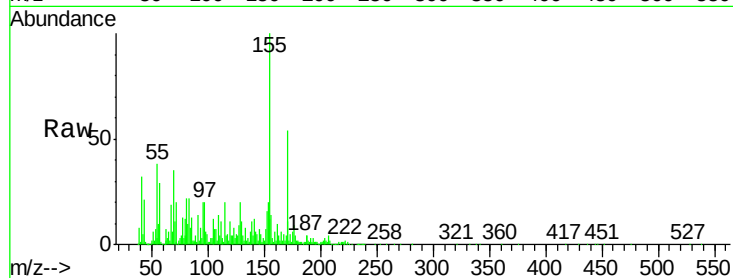




#55
4-Nitrophenol
Concen: 18.06 ng
RT: 15.00 min Scan# 2070
Delta R.T. 0.02 min
Lab File: BG022695.D
Acq: 29 Jun 2016 3:47

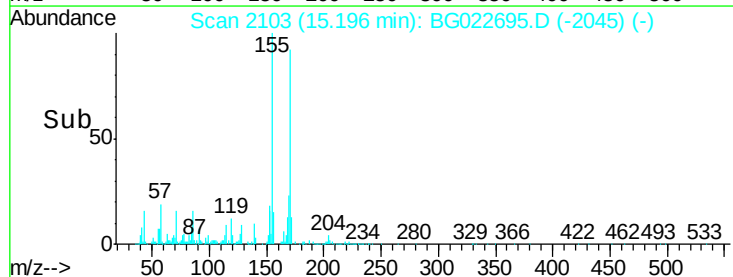
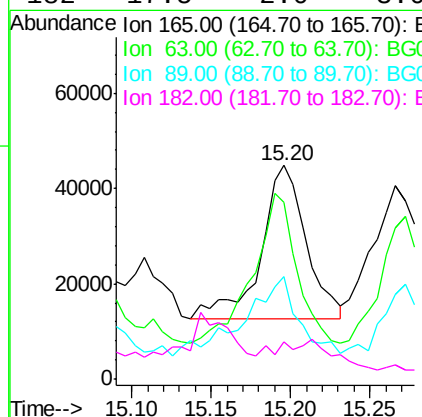
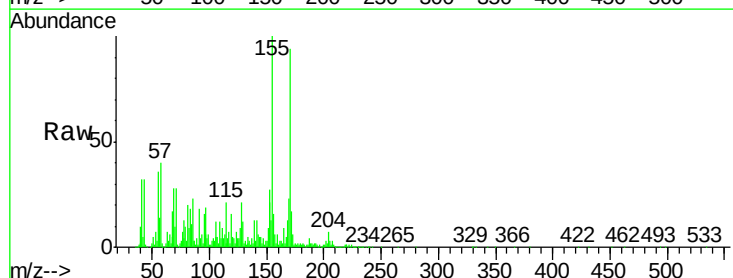
Instrument :
BNA_G
ClientSampleId :
EPCH-DUP

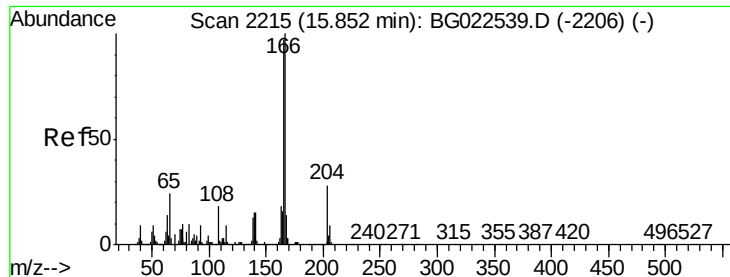
Tgt Ion:139 Resp: 103727
Ion Ratio Lower Upper
139 100
109 129.1 103.0 143.0
65 51.0 112.7 152.7#



#56
2,4-Dinitrotoluene
Concen: 6.44 ng
RT: 15.20 min Scan# 2103
Delta R.T. 0.04 min
Lab File: BG022695.D
Acq: 29 Jun 2016 3:47

Tgt Ion:165 Resp: 64767
Ion Ratio Lower Upper
165 100
63 82.5 45.8 68.6#
89 47.7 68.6 102.8#
182 17.5 2.0 3.0#

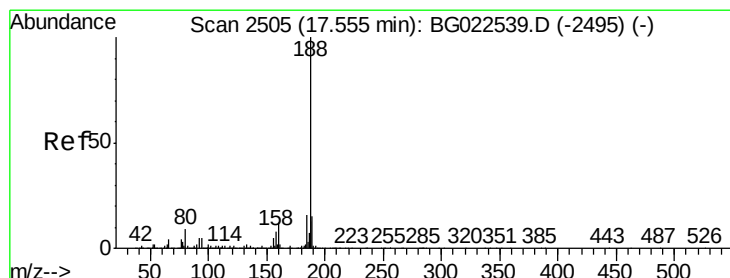
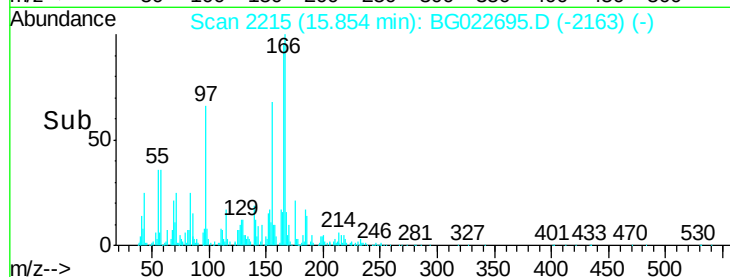
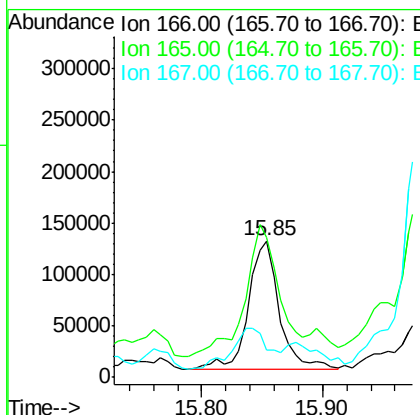
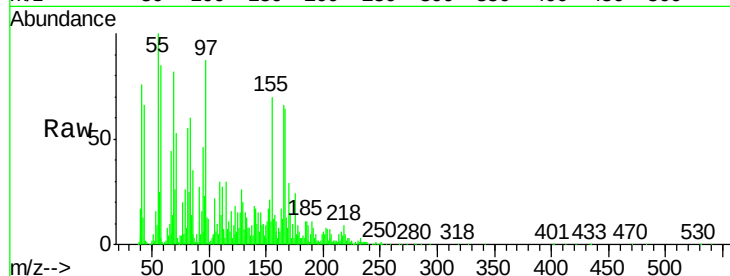




#57
Fluorene
 Concen: 7.05 ng
 RT: 15.85 min Scan# 2215
 Delta R.T. 0.01 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

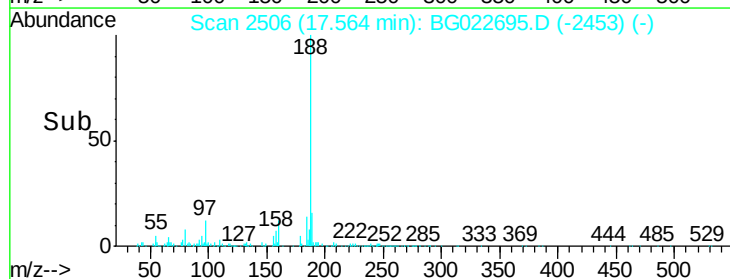
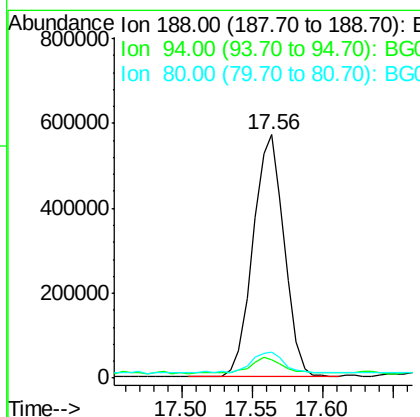
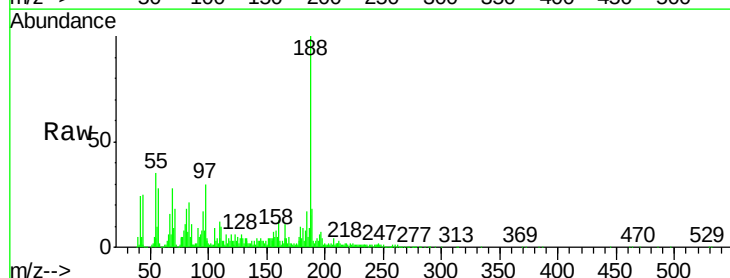
Instrument :
 BNA_G
 ClientSampleId :
 EPCH-DUP

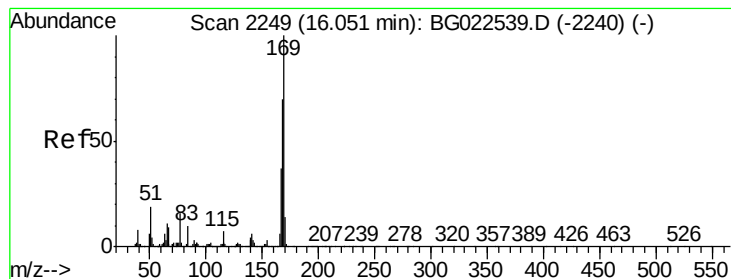
Tgt Ion:166 Resp: 219779
 Ion Ratio Lower Upper
 166 100
 165 102.7 81.0 121.6
 167 20.4 12.0 18.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2506
 Delta R.T. 0.01 min
 Lab File: BG022695.D
 Acq: 29 Jun 2016 3:47

Tgt Ion:188 Resp: 879448
 Ion Ratio Lower Upper
 188 100
 94 7.7 5.2 7.8
 80 10.5 7.2 10.8





#65

n-Nitrosodiphenylamine

Concen: 30.71 ng

RT: 16.06 min Scan# 2250

Delta R.T. 0.01 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

BNA_G

ClientSampleId :

EPCH-DUP

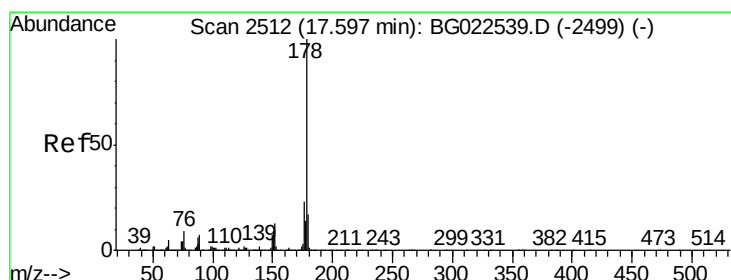
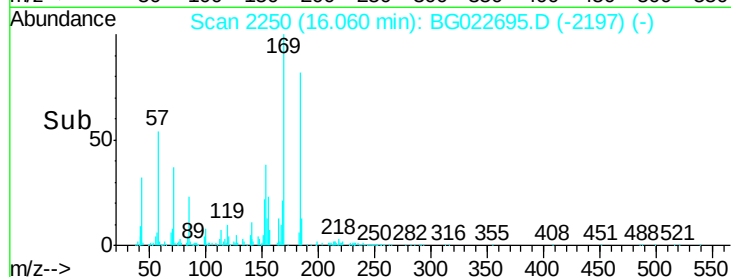
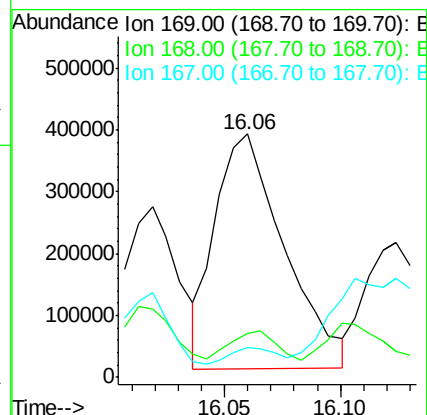
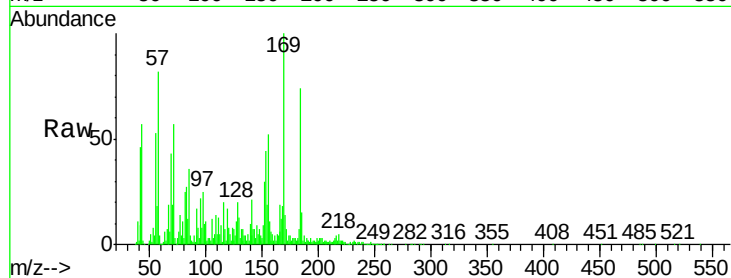
Tgt Ion:169 Resp: 785882

Ion Ratio Lower Upper

169 100

168 18.3 55.0 82.4#

167 12.2 27.4 41.0#



#70

Phenanthrene

Concen: 9.51 ng

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

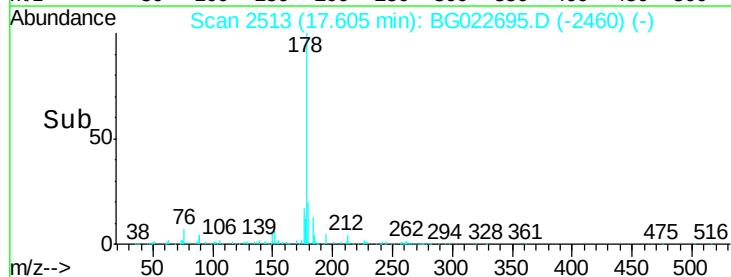
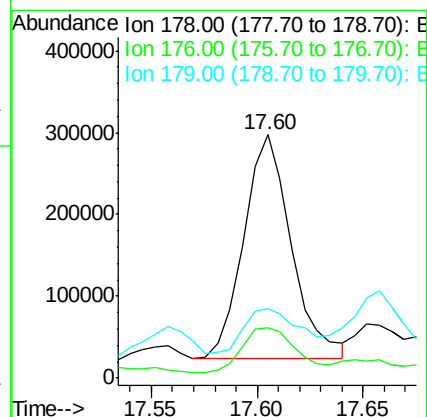
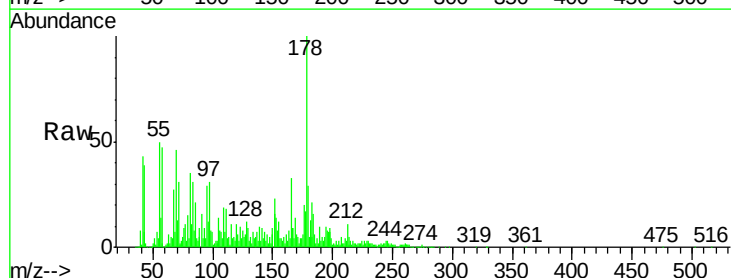
Tgt Ion:178 Resp: 426627

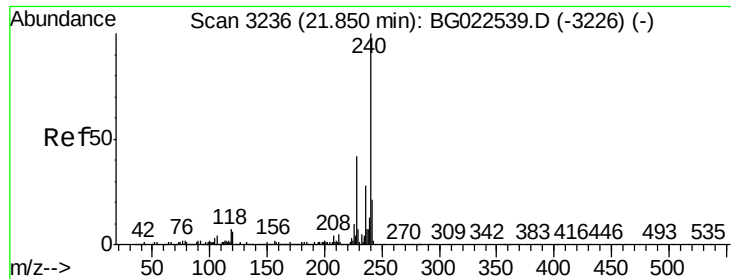
Ion Ratio Lower Upper

178 100

176 20.4 16.8 25.2

179 28.5 14.3 21.5#

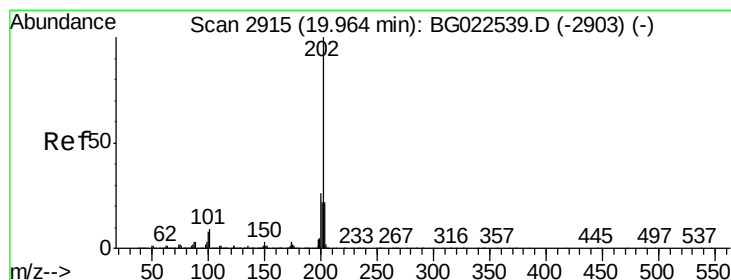
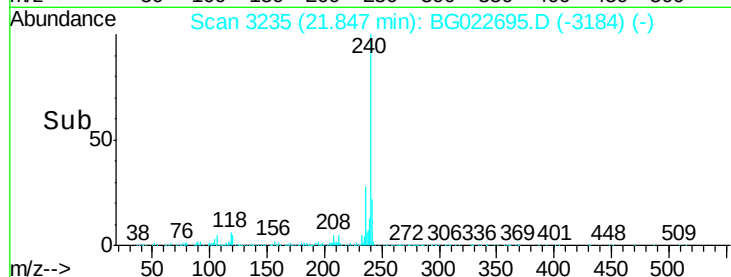
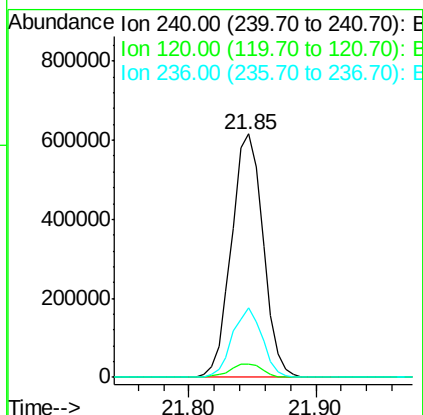
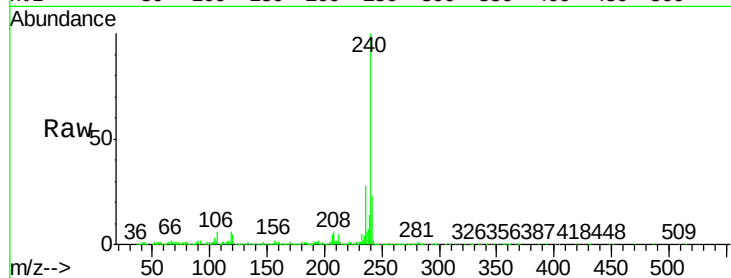




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.85 min Scan# 3235
Delta R.T. 0.00 min
Lab File: BG022695.D
Acq: 29 Jun 2016 3:47

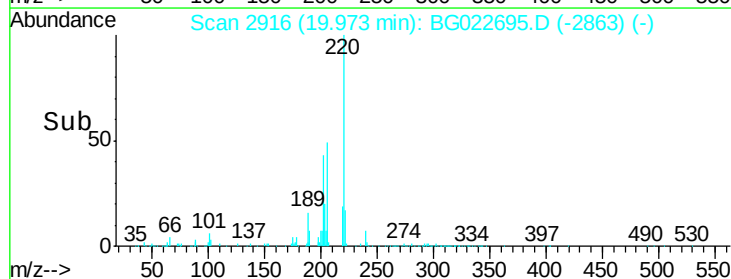
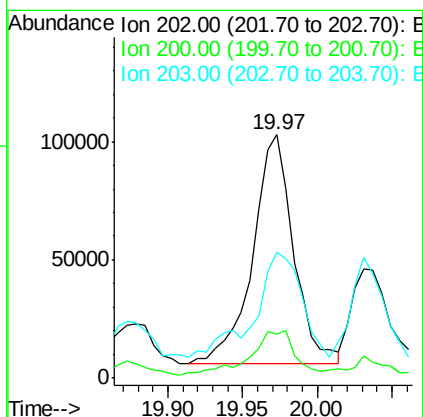
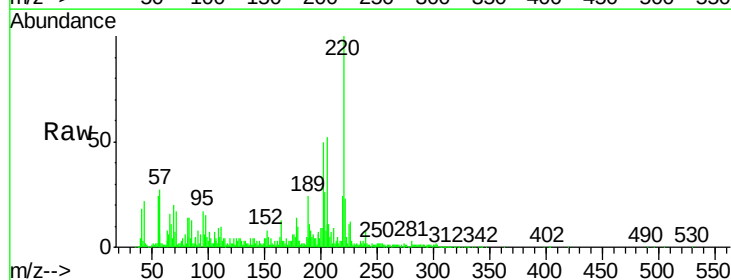
Instrument :
BNA_G
ClientSampleId :
EPCH-DUP

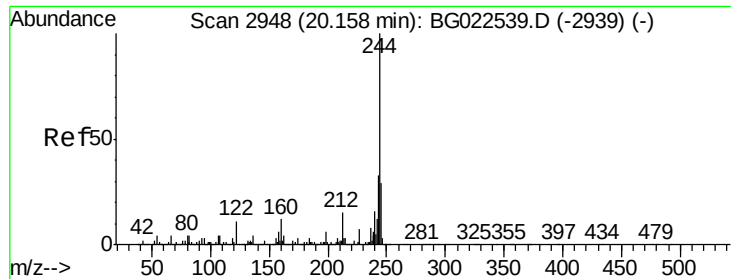
Tgt Ion:240 Resp: 1061790
Ion Ratio Lower Upper
240 100
120 5.4 4.1 6.1
236 28.4 21.1 31.7



#77
Pyrene
Concen: 3.22 ng
RT: 19.97 min Scan# 2916
Delta R.T. 0.01 min
Lab File: BG022695.D
Acq: 29 Jun 2016 3:47

Tgt Ion:202 Resp: 182263
Ion Ratio Lower Upper
202 100
200 18.0 21.2 31.8#
203 51.8 16.8 25.2#





#78

Terphenyl-d14

Concen: 62.86 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

Instrument :

BNA_G

ClientSampleId :

EPCH-DUP

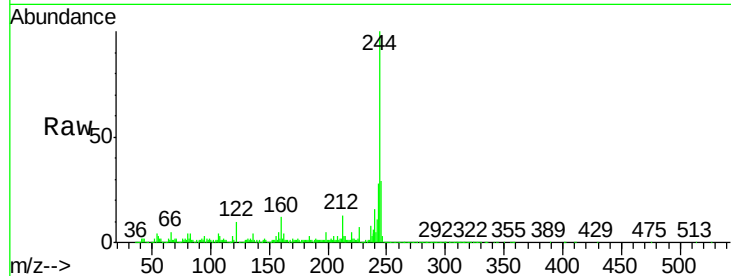
Tgt Ion:244 Resp: 2519288

Ion Ratio Lower Upper

244 100

212 12.9 10.8 16.2

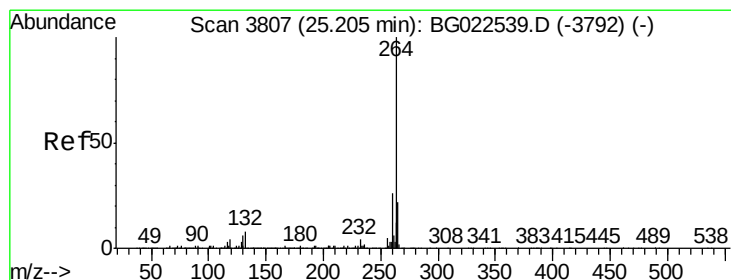
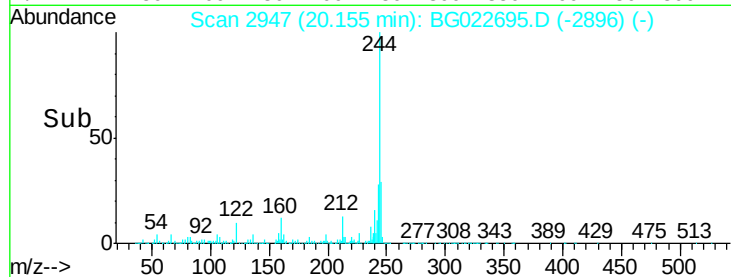
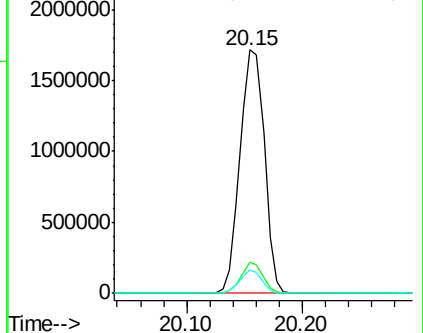
122 9.8 8.0 12.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.20 min Scan# 3806

Delta R.T. -0.00 min

Lab File: BG022695.D

Acq: 29 Jun 2016 3:47

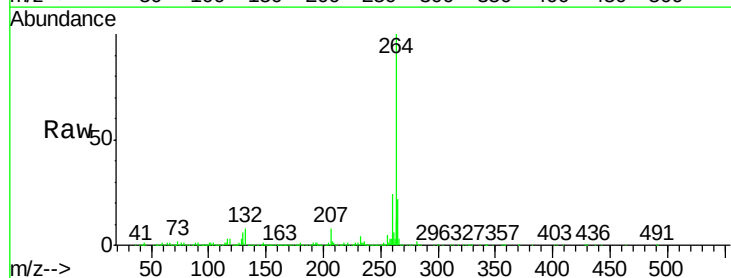
Tgt Ion:264 Resp: 1156386

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 22.3 18.9 28.3



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

