

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
 Data File : BG022704.D
 Acq On : 29 Jun 2016 21:59
 Operator : UM/SJ
 Sample : H3790-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BAG-17

Quant Time: Jun 30 04:28:17 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

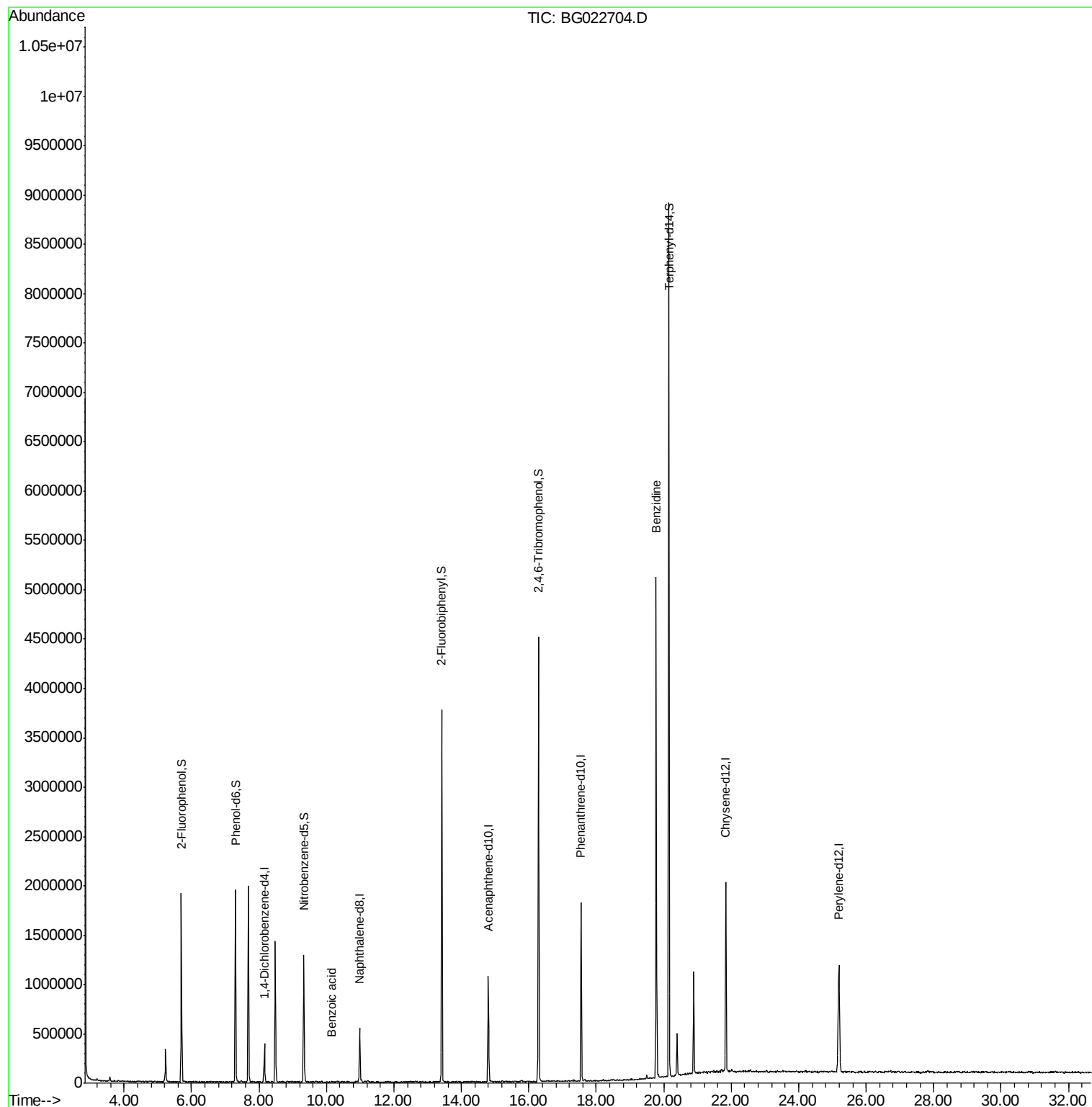
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	98638	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	439646	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	365333	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1073887	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1213359	20.00	ng	0.00
86) Perylene-d12	25.19	264	1271296	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	739740	120.29	ng	0.00
7) Phenol-d6	7.30	99	1074418	123.95	ng	0.00
23) Nitrobenzene-d5	9.33	82	821686	79.10	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	849415	147.82	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1817092	78.88	ng	0.00
78) Terphenyl-d14	20.15	244	3139584	68.55	ng	0.00
Target Compounds						
32) Benzoic acid	10.16	122	107	5.13	ng	# 1
76) Benzidine	19.78	184	2605681	201.71	ng	# 91

(#) = 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# 906

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA_G

ClientSampleId :

BAG-17

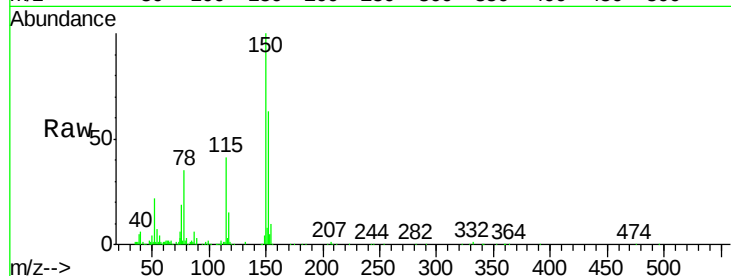
Tgt Ion:152 Resp: 98638

Ion Ratio Lower Upper

152 100

150 158.8 144.7 217.1

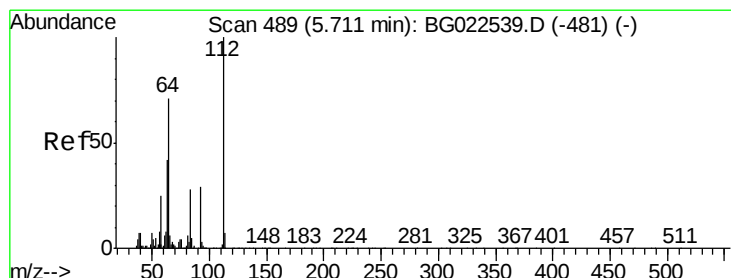
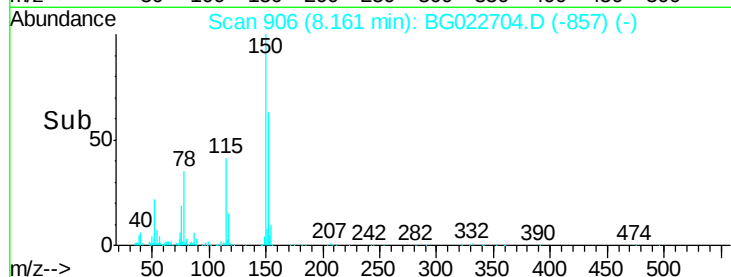
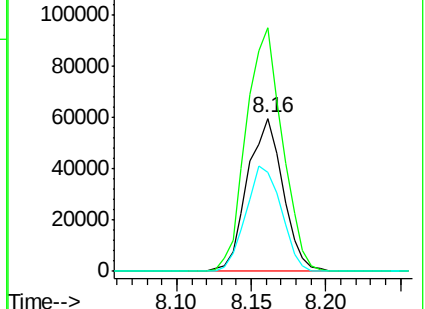
115 64.9 64.0 96.0



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: 120.29 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

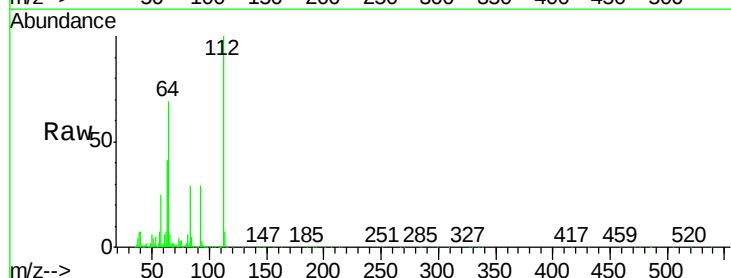
Tgt Ion:112 Resp: 739740

Ion Ratio Lower Upper

112 100

64 69.1 59.0 88.4

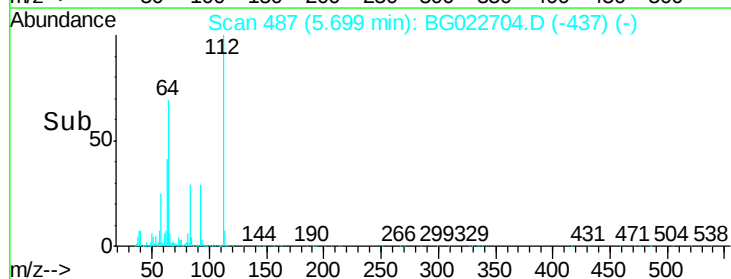
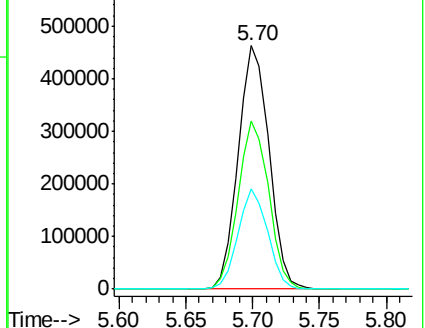
63 41.3 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 123.95 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA_G

ClientSampleId :

BAG-17

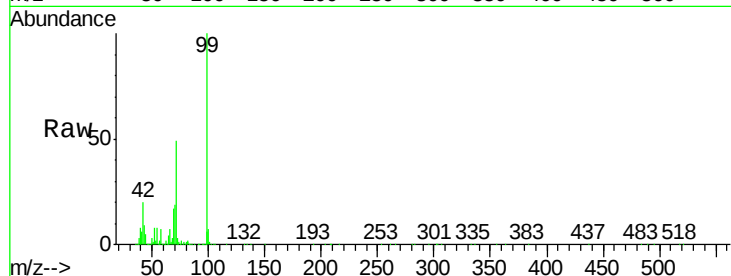
Tgt Ion: 99 Resp: 1074418

Ion Ratio Lower Upper

99 100

42 19.9 17.8 26.6

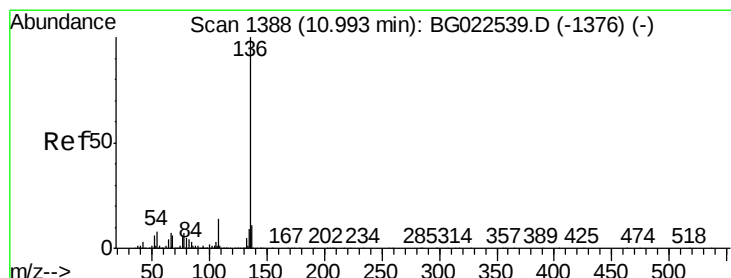
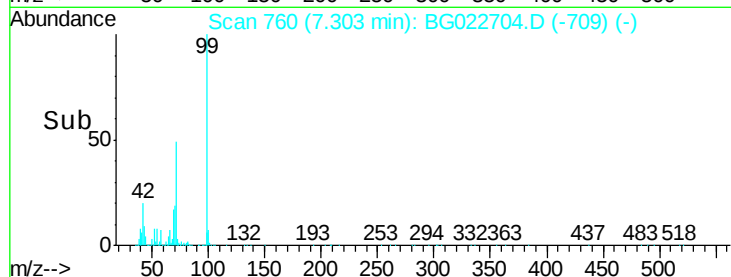
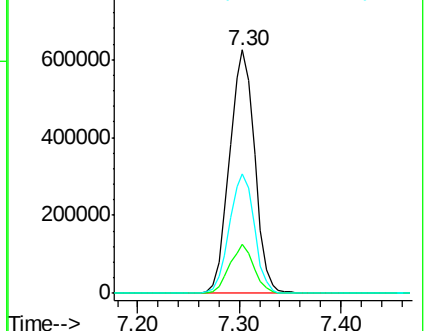
71 49.1 41.5 62.3



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: 10.99 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Tgt Ion: 136 Resp: 439646

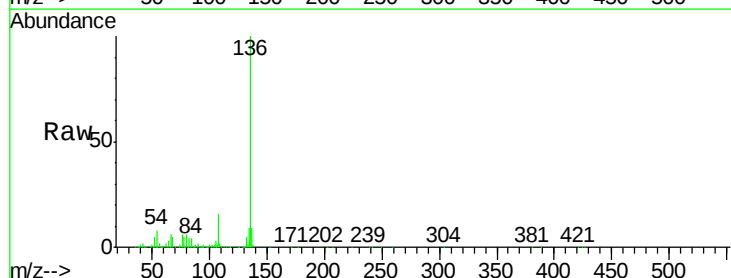
Ion Ratio Lower Upper

136 100

137 8.6 9.6 14.4#

54 7.7 7.3 10.9

68 4.5 5.3 7.9#

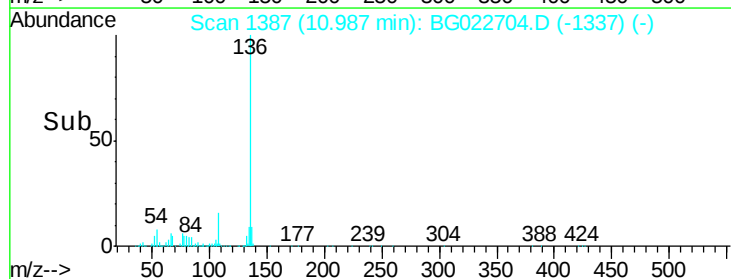
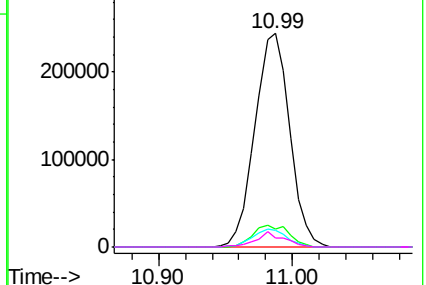


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

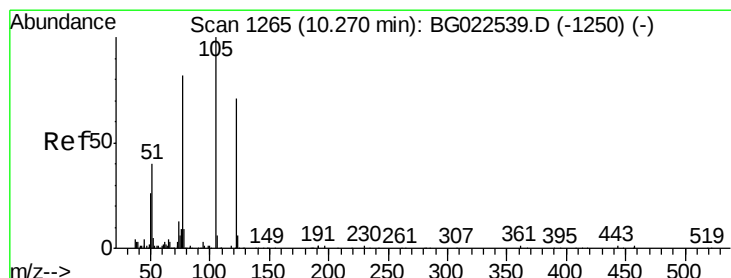
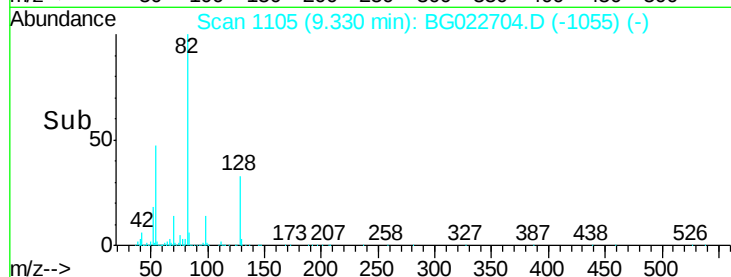
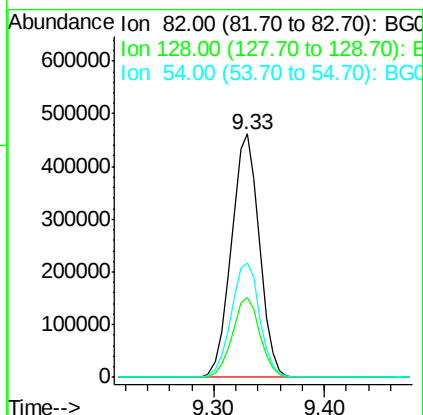
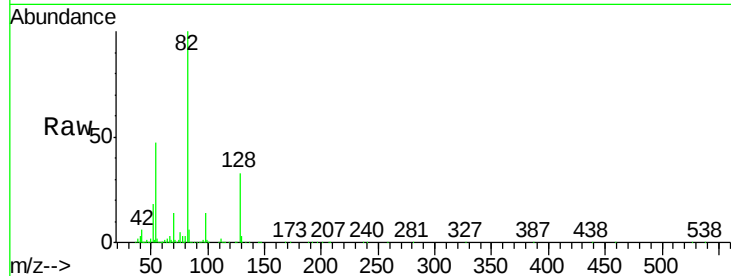




#23
Nitrobenzene-d5
Concen: 79.10 ng
RT: 9.33 min Scan# 1105
Delta R.T. -0.01 min
Lab File: BG022704.D
Acq: 29 Jun 2016 21:59

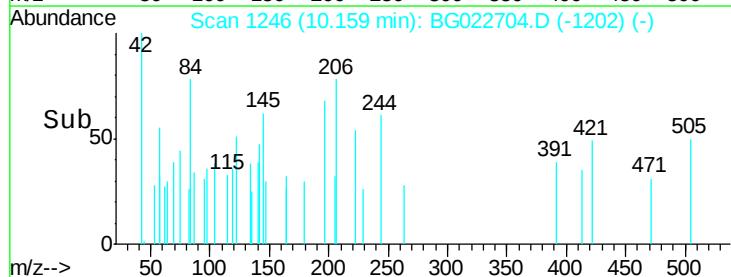
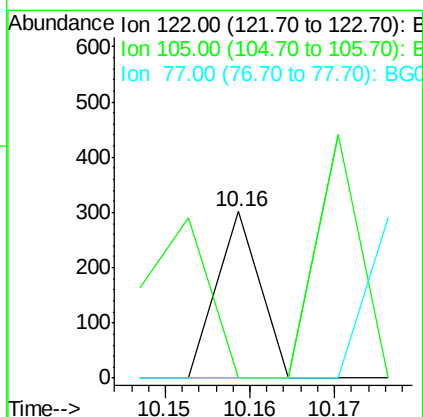
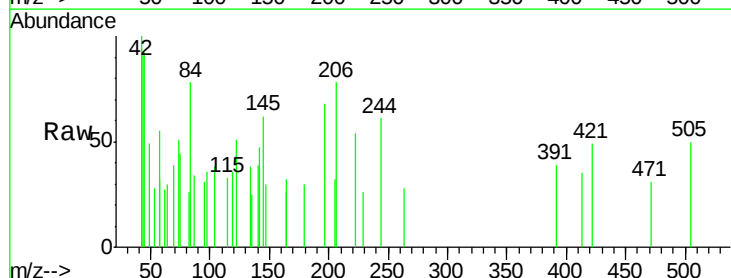
Instrument :
BNA_G
ClientSampleId :
BAG-17

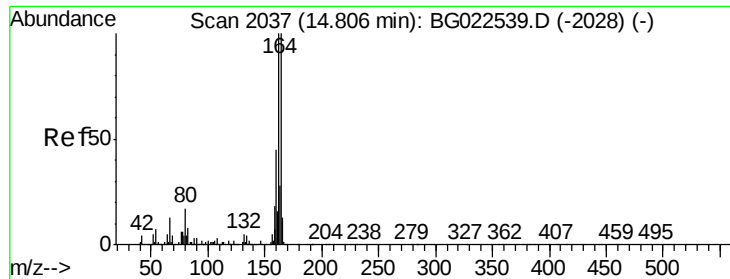
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	24.4	36.6
54	47.2	41.4	62.0



#32
Benzoic acid
Concen: 5.13 ng
RT: 10.16 min Scan# 1246
Delta R.T. -0.04 min
Lab File: BG022704.D
Acq: 29 Jun 2016 21:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	117.2	157.2#
77	0.0	109.2	149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA_G

ClientSampleId :

BAG-17

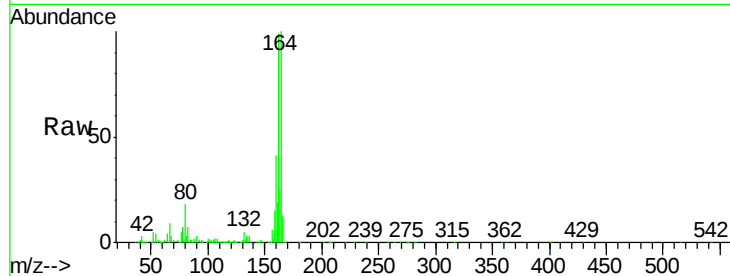
Tgt Ion:164 Resp: 365333

Ion Ratio Lower Upper

164 100

162 98.8 87.7 131.5

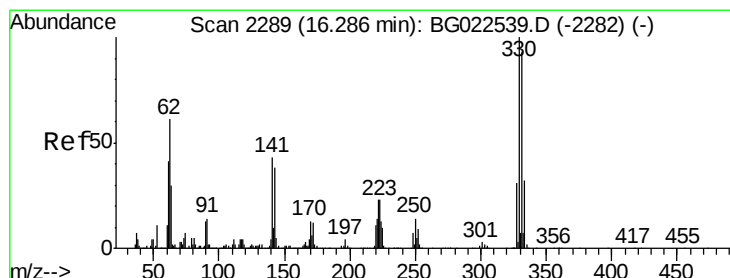
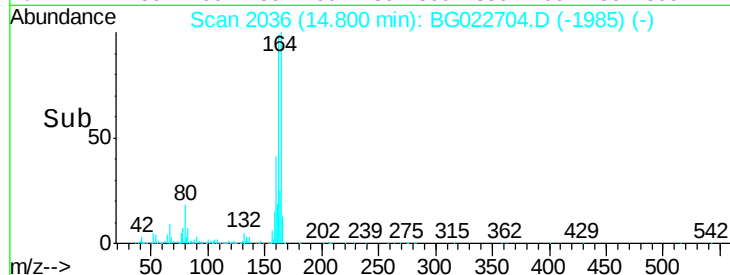
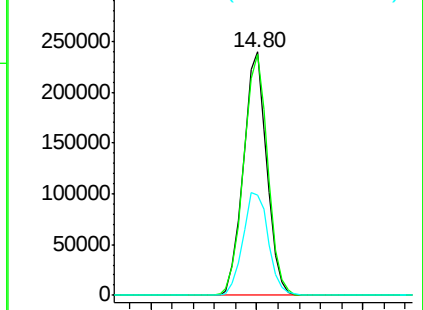
160 41.4 37.2 55.8



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: 147.82 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

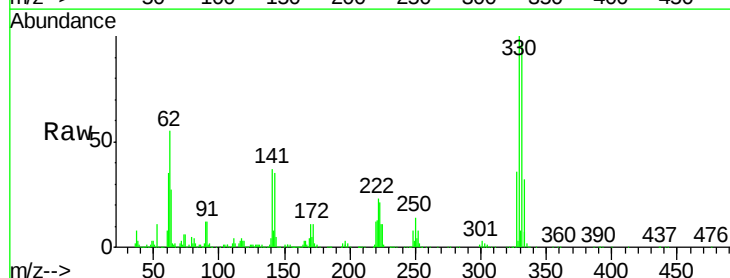
Tgt Ion:330 Resp: 849415

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

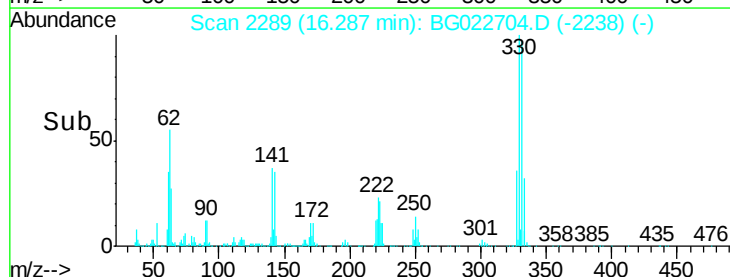
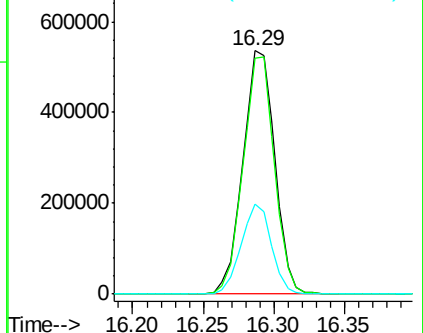
141 35.2 31.7 47.5

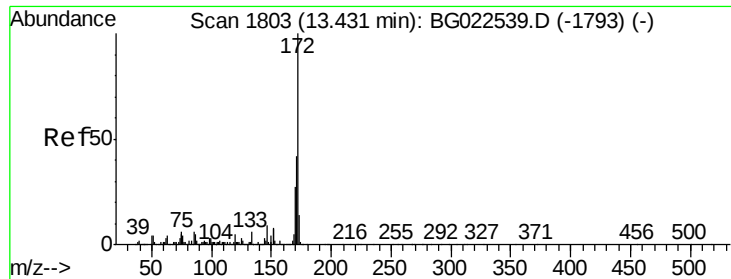


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

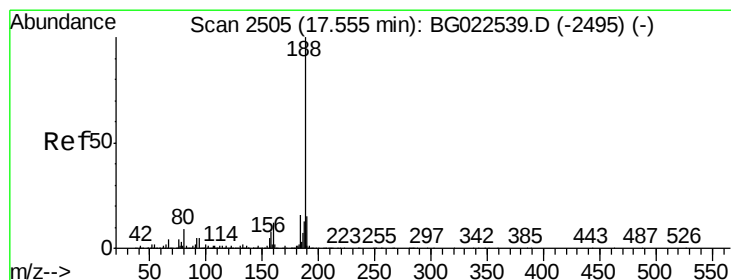
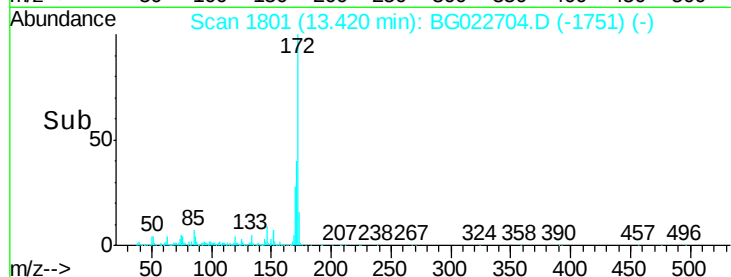
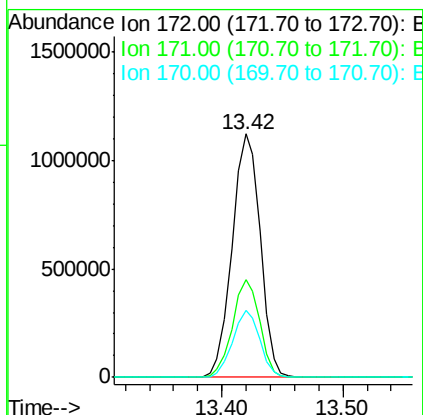
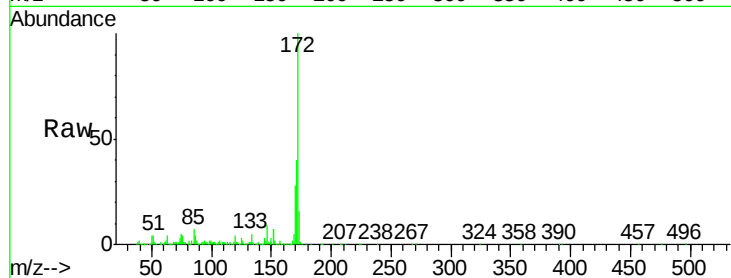




#44
2-Fluorobiphenyl
Concen: 78.88 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022704.D
Acq: 29 Jun 2016 21:59

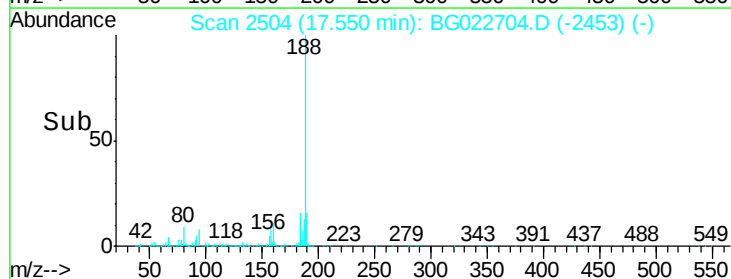
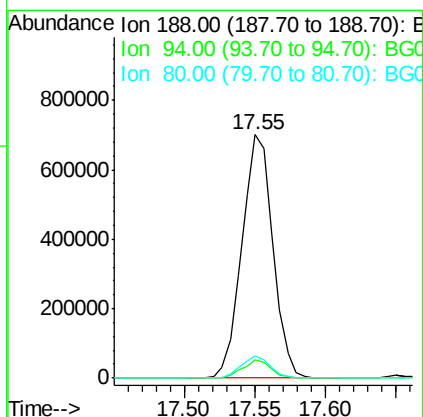
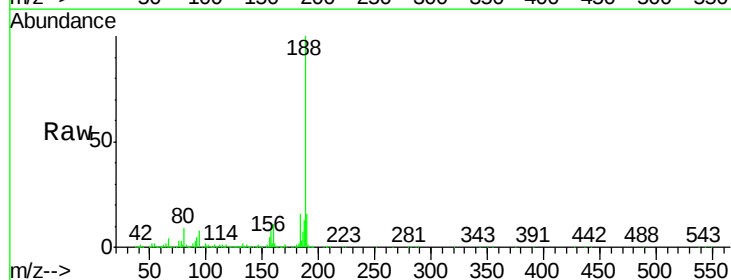
Instrument :
BNA_G
ClientSampleId :
BAG-17

Tgt Ion:172 Resp: 1817092
Ion Ratio Lower Upper
172 100
171 40.2 31.6 47.4
170 27.8 21.3 31.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BG022704.D
Acq: 29 Jun 2016 21:59

Tgt Ion:188 Resp: 1073887
Ion Ratio Lower Upper
188 100
94 7.5 5.2 7.8
80 8.9 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA_G

ClientSampleId :

BAG-17

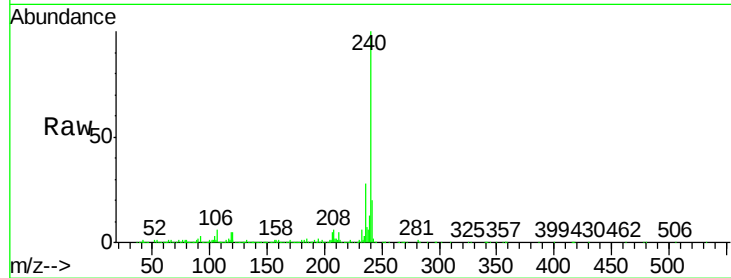
Tgt Ion:240 Resp: 1213359

Ion Ratio Lower Upper

240 100

120 5.5 4.1 6.1

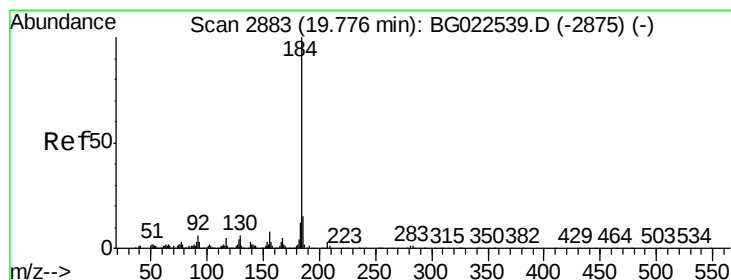
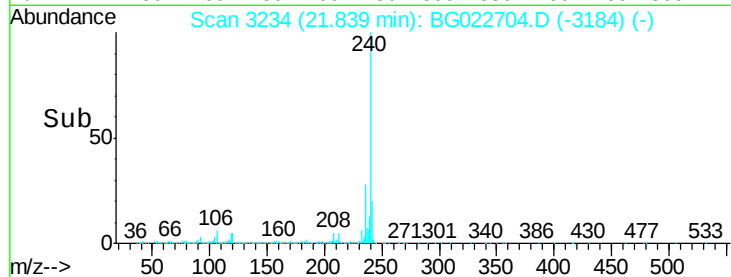
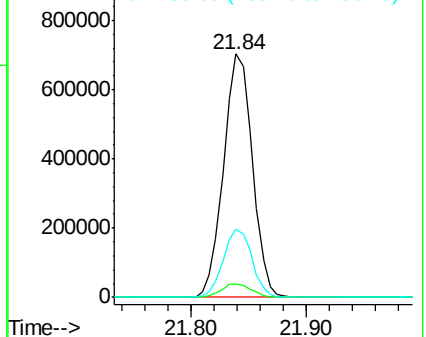
236 28.2 21.1 31.7



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



#76

Benzidine

Concen: 201.71 ng

RT: 19.78 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

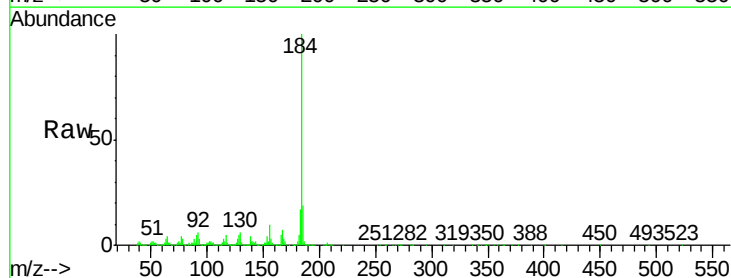
Tgt Ion:184 Resp: 2605681

Ion Ratio Lower Upper

184 100

185 19.4 12.6 19.0#

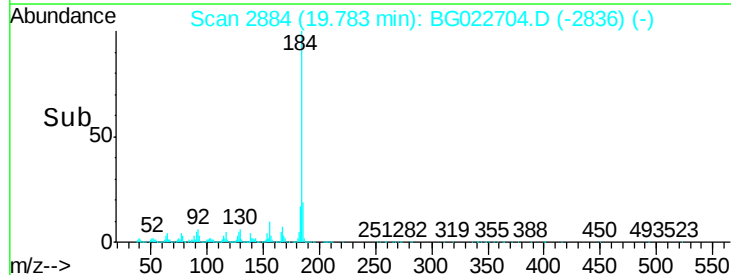
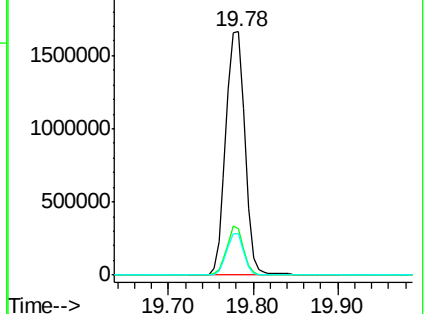
183 17.0 10.7 16.1#

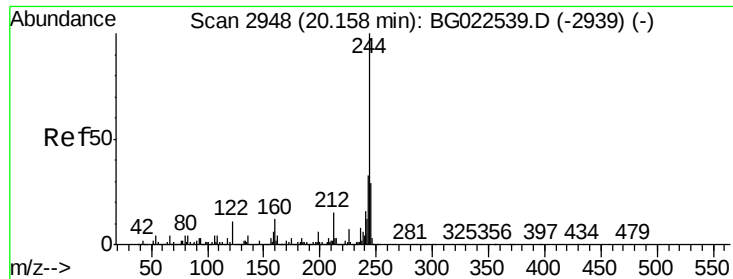


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 68.55 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

Instrument :

BNA_G

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BAG-17

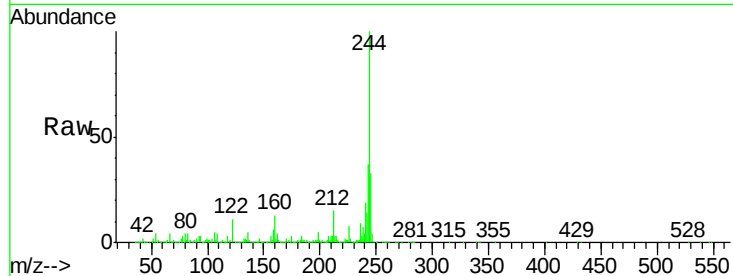
Tgt Ion:244 Resp: 3139584

Ion Ratio Lower Upper

244 100

212 15.3 10.8 16.2

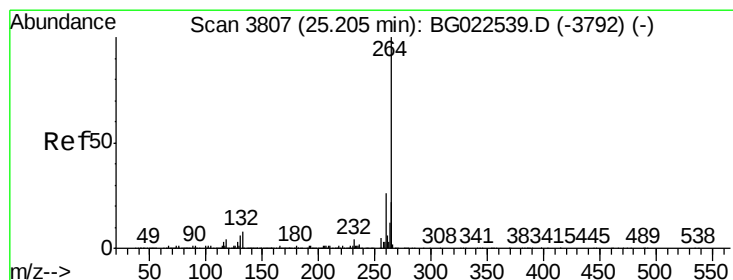
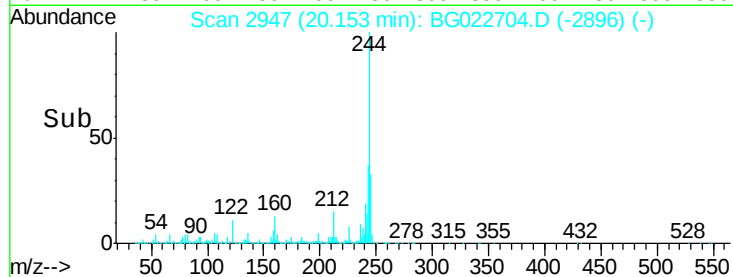
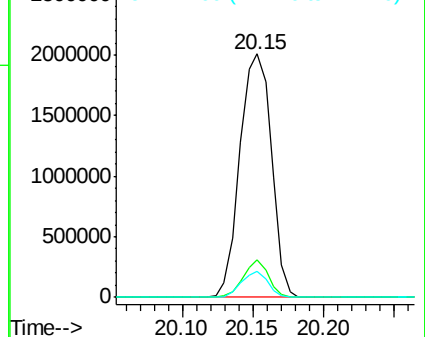
122 10.8 8.0 12.0



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: 25.19 min Scan# 3805

Delta R.T. -0.01 min

Lab File: BG022704.D

Acq: 29 Jun 2016 21:59

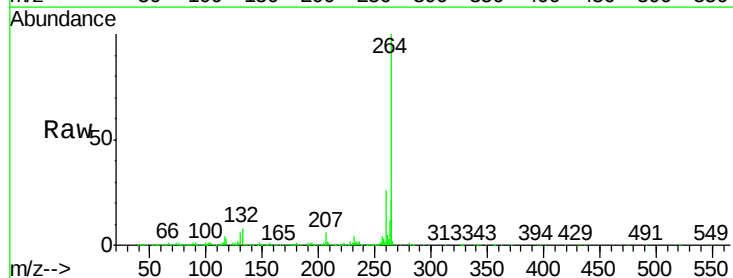
Tgt Ion:264 Resp: 1271296

Ion Ratio Lower Upper

264 100

260 25.8 18.4 27.6

265 21.3 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

