

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020617\
 Data File : BG025820.D
 Acq On : 7 Feb 2017 2:39
 Operator : SJ/MA
 Sample : I1697-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-B20-B22-001

Quant Time: Feb 07 03:18:53 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 18:29:38 2017
 Response via : Initial Calibration

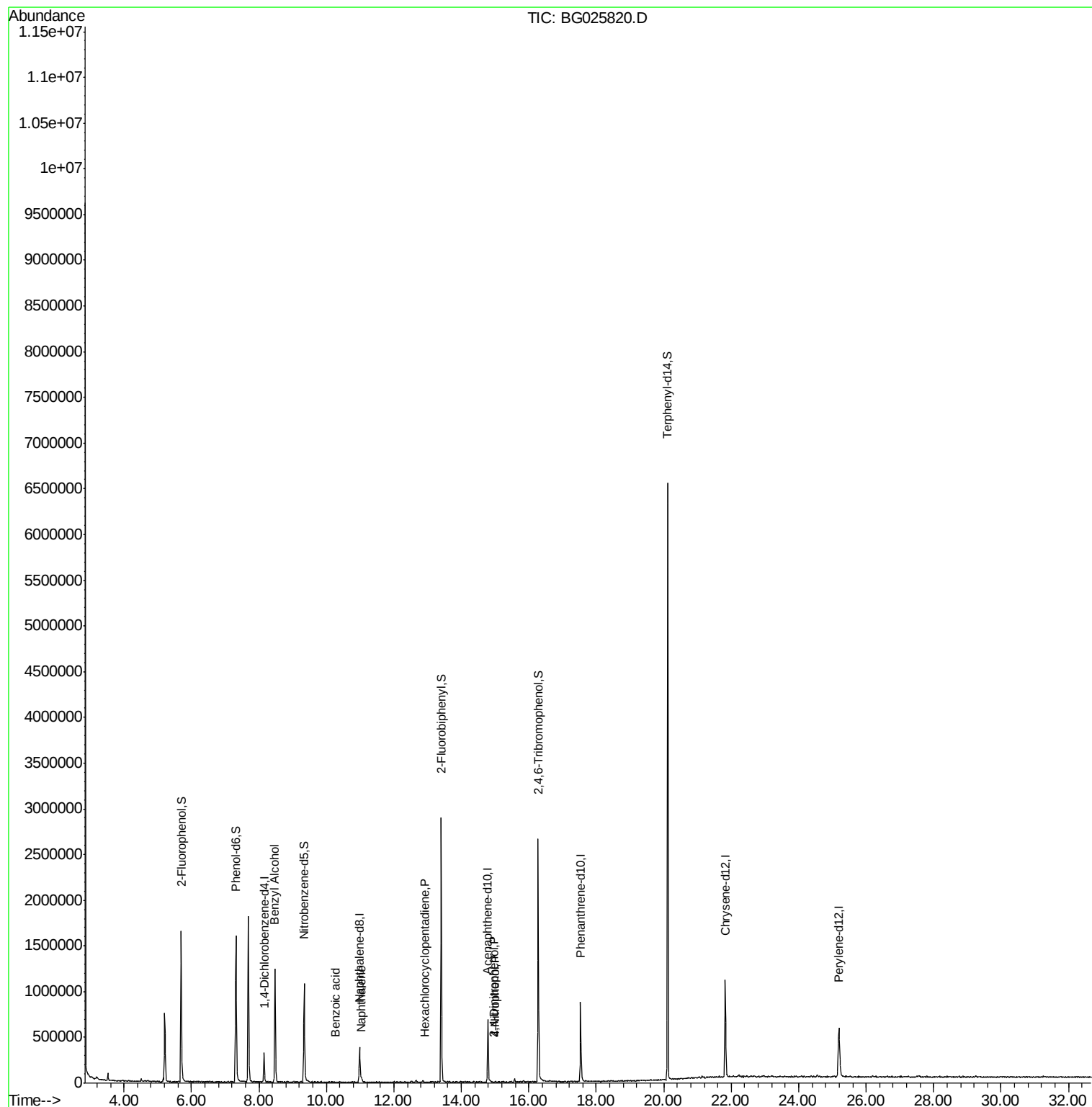
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	79679	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	334503	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	253692	20.00	ng	-0.01
63) Phenanthrene-d10	17.54	188	563559	20.00	ng	0.00
75) Chrysene-d12	21.82	240	718486	20.00	ng	-0.01
86) Perylene-d12	25.19	264	680358	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	657579	147.91	ng	-0.01
7) Phenol-d6	7.32	99	874832	134.73	ng	0.00
23) Nitrobenzene-d5	9.34	82	731312	92.37	ng	-0.01
41) 2,4,6-Tribromophenol	16.28	330	483038	133.51	ng	-0.01
44) 2-Fluorobiphenyl	13.41	172	1392029	89.12	ng	-0.01
78) Terphenyl-d14	20.12	244	2564535	86.15	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	8.48	79	12918	2.30	ng	# 67
31) Naphthalene	11.04	128	38220	2.20	ng	97
32) Benzoic acid	10.25	122	70	7.91	ng	# 1
40) Hexachlorocyclopentadiene	12.91	237	129	10.72	ng	# 29
53) 2,4-Dinitrophenol	14.95	184	80	9.47	ng	# 15
55) 4-Nitrophenol	15.00	139	139	5.62	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: 8.15 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG025820.D

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Instrument :

BNA_G

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WC-B20-B22-001

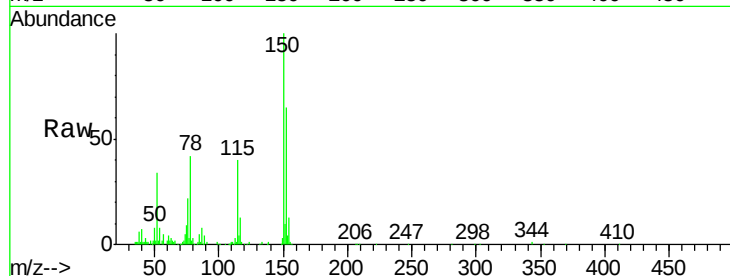
Tgt Ion:152 Resp: 79679

Ion Ratio Lower Upper

152 100

150 153.6 114.0 171.0

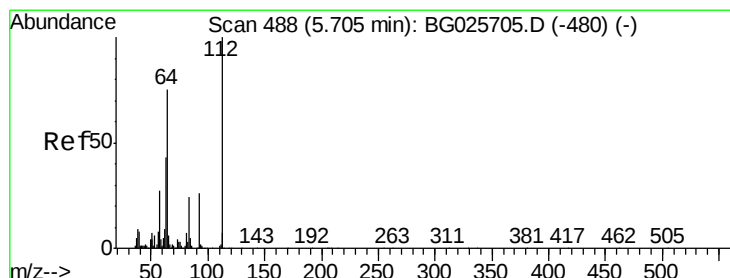
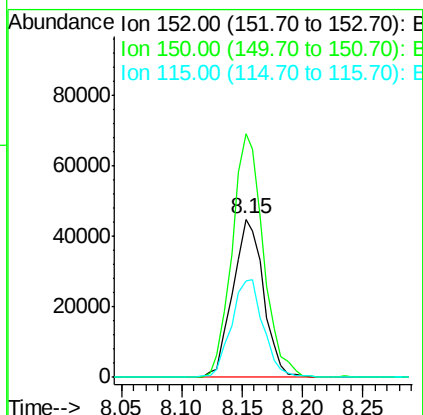
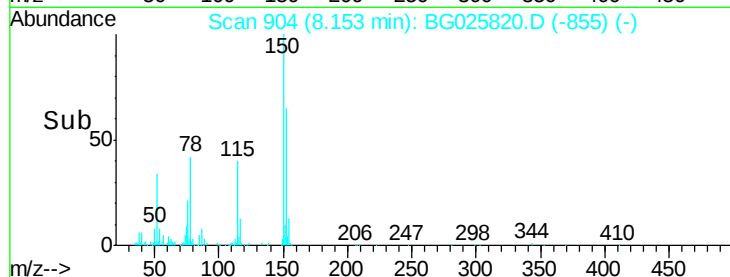
115 60.7 48.1 72.1



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: 147.91 ng

RT: 5.69 min Scan# 485

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

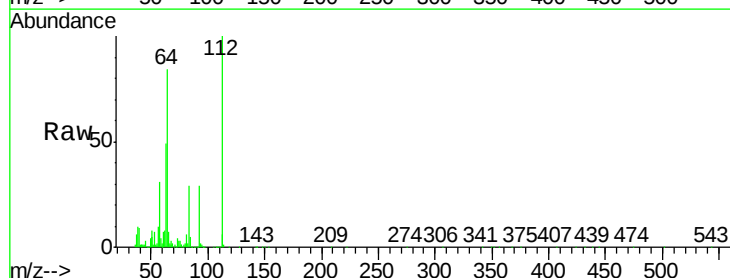
Tgt Ion:112 Resp: 657579

Ion Ratio Lower Upper

112 100

64 83.5 61.8 92.6

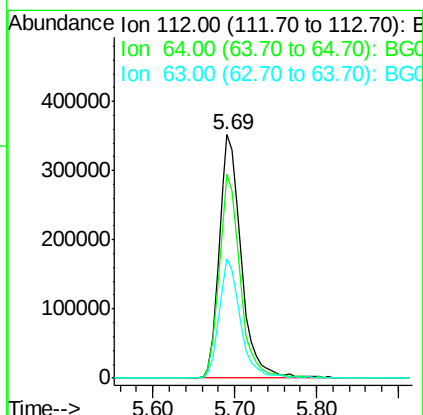
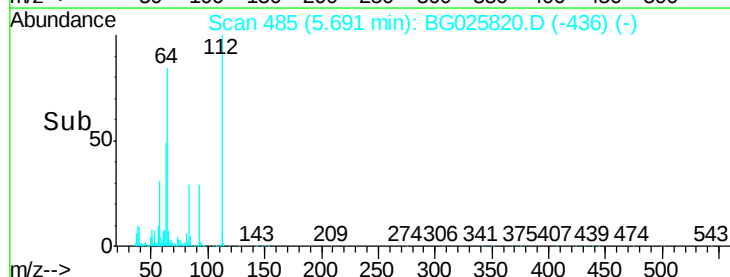
63 49.2 37.2 55.8

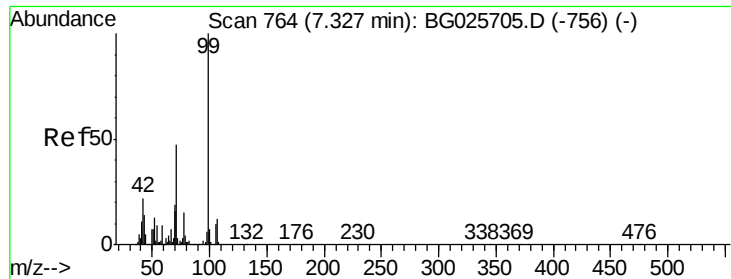


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 134.73 ng

RT: 7.32 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

Instrument :

BNA_G

ClientSampleId :

WC-B20-B22-001

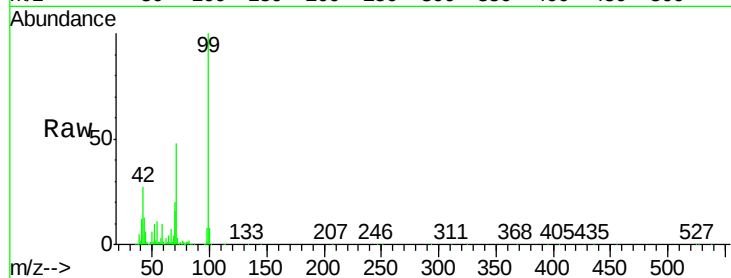
Tgt Ion: 99 Resp: 874832

Ion Ratio Lower Upper

99 100

42 27.1 20.5 30.7

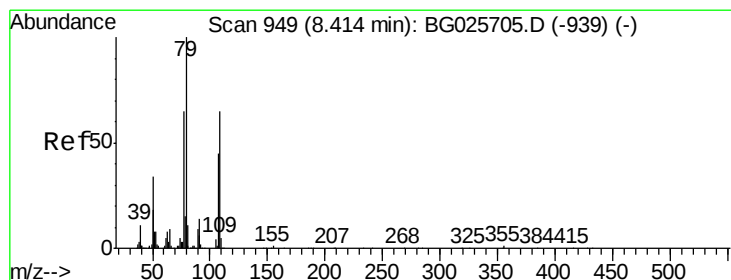
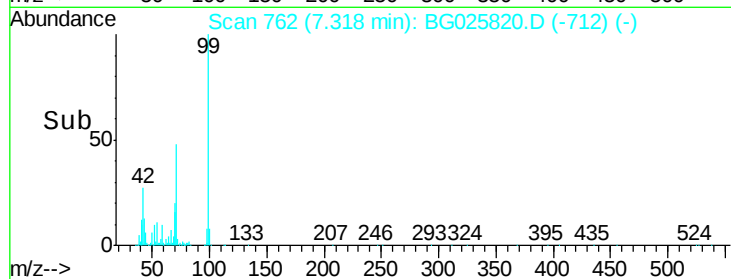
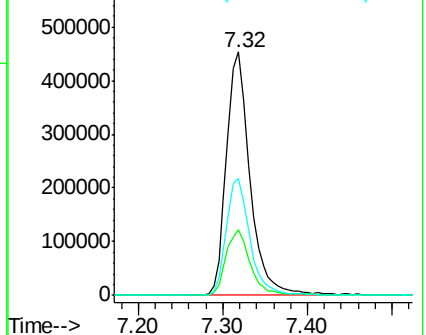
71 48.0 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 8.48 min Scan# 959

Delta R.T. 0.06 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

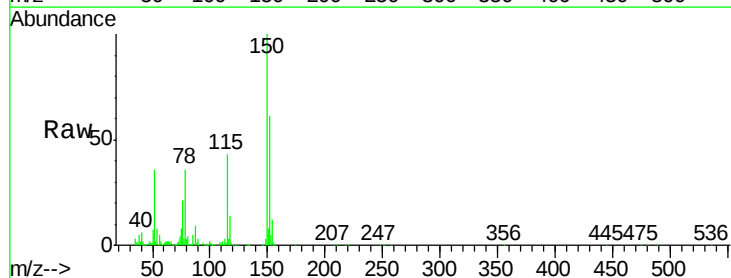
Tgt Ion: 79 Resp: 12918

Ion Ratio Lower Upper

79 100

108 35.1 45.5 68.3#

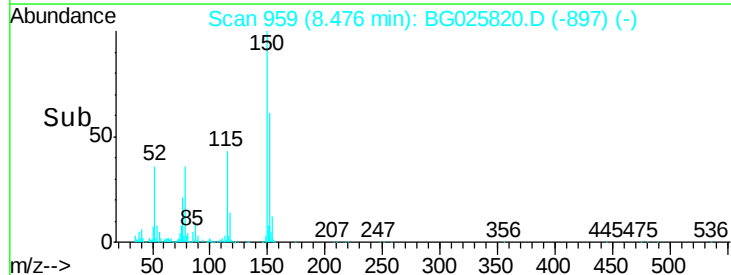
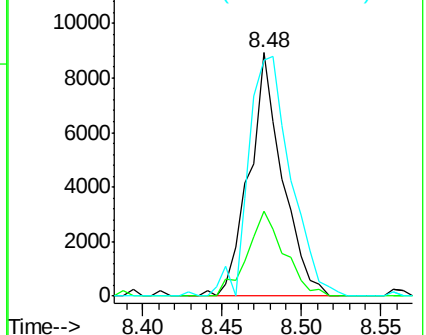
77 96.9 54.3 81.5#

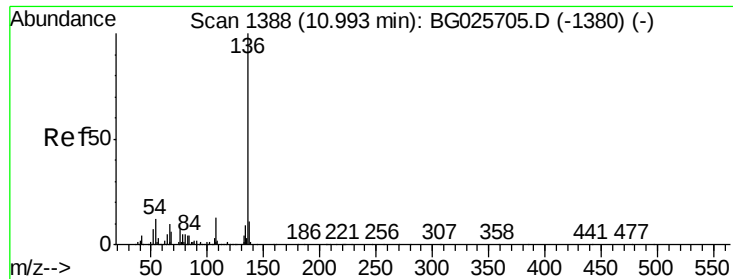


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

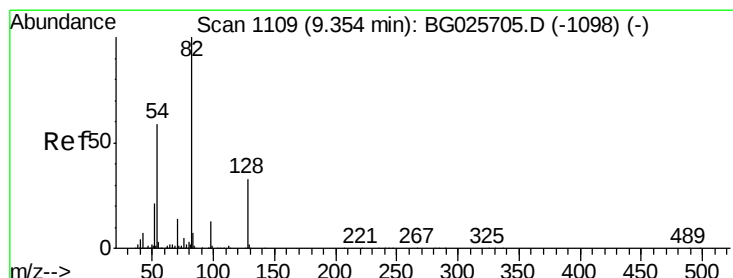
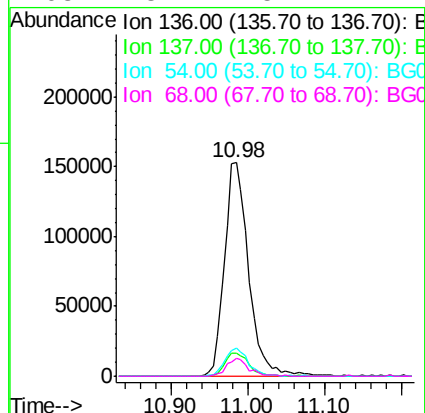
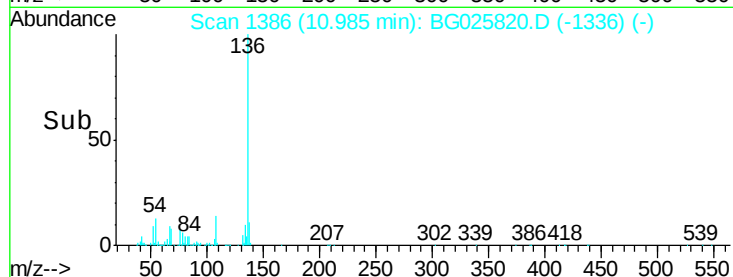
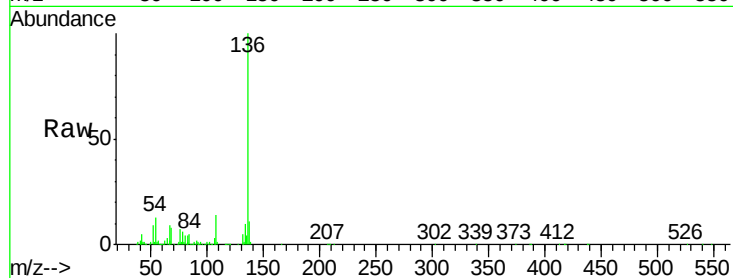




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

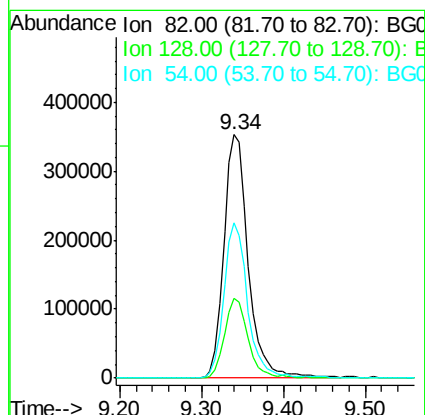
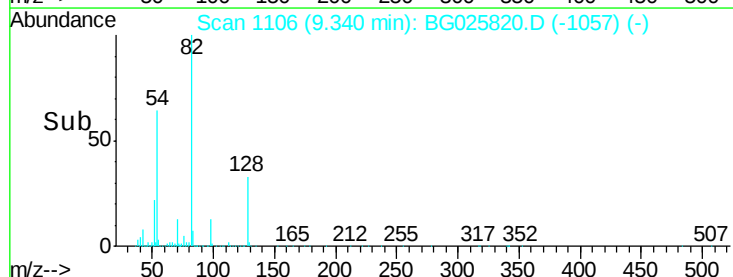
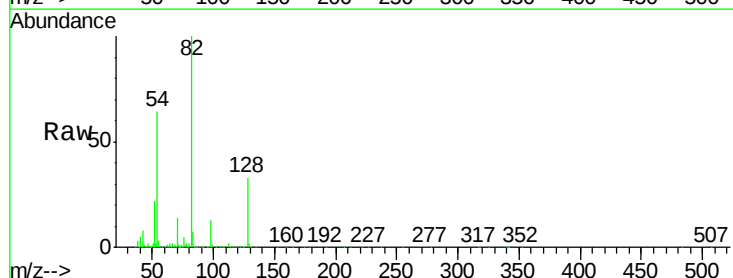
Instrument :
BNA_G
ClientSampleId :
WC-B20-B22-001

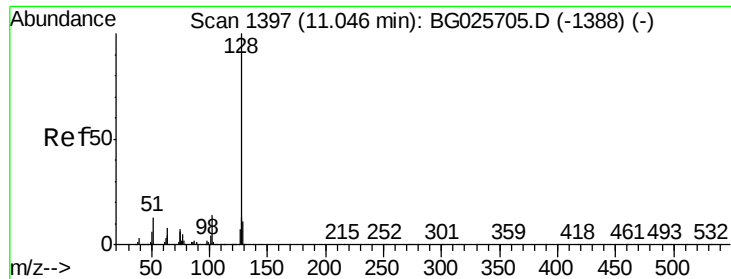
Tgt Ion:	136	Resp:	334503
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	13.4	9.3	13.9
68	8.2	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 92.37 ng
RT: 9.34 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

Tgt Ion:	82	Resp:	731312
Ion Ratio	Lower	Upper	
82	100		
128	32.7	26.4	39.6
54	64.0	49.4	74.2

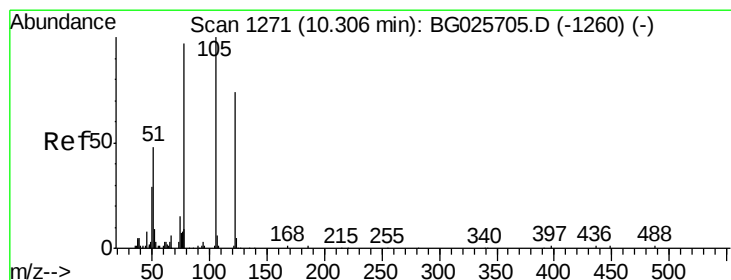
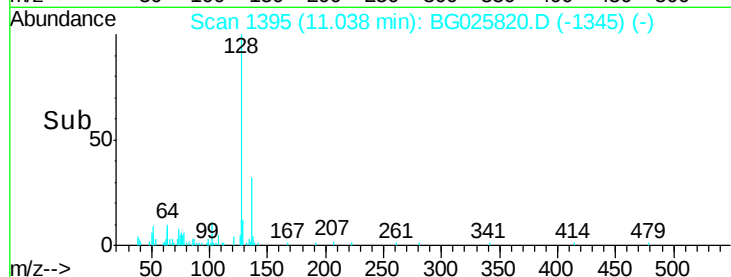
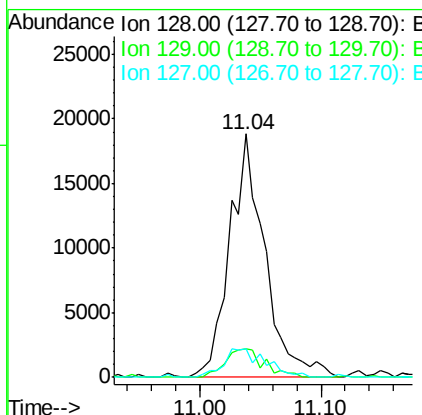
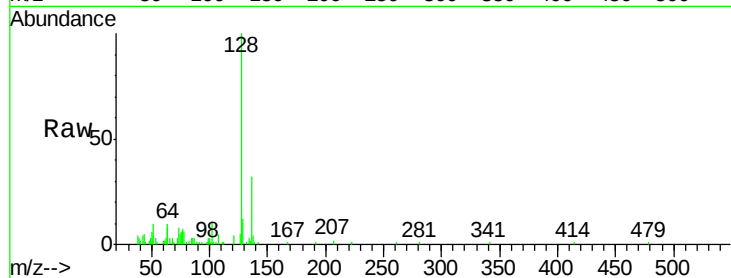




#31
Naphthalene
Concen: 2.20 ng
RT: 11.04 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

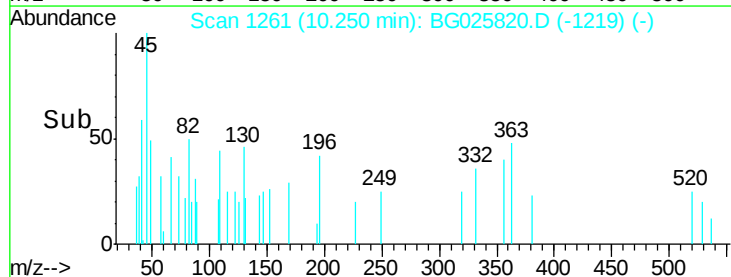
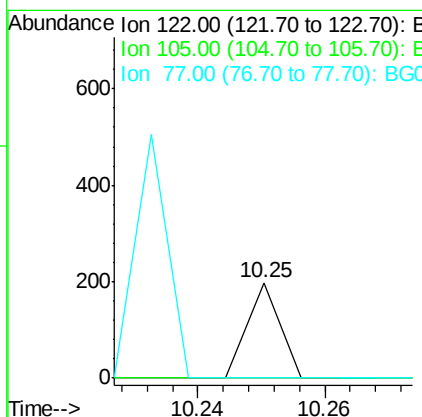
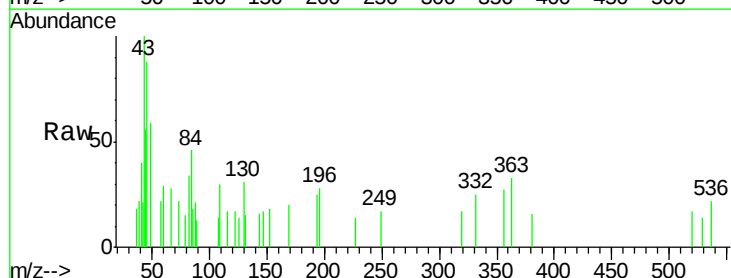
Instrument :
BNA_G
ClientSampleId :
WC-B20-B22-001

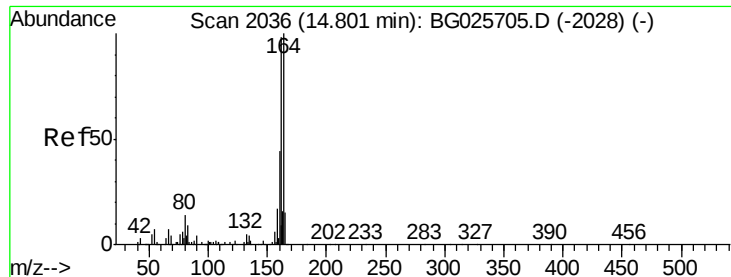
Tgt Ion:128 Resp: 38220
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 11.9 11.4 17.0



#32
Benzoic acid
Concen: 7.91 ng
RT: 10.25 min Scan# 1261
Delta R.T. -0.05 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

Tgt Ion:122 Resp: 70
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 0.0 104.6 144.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

Instrument :

BNA_G

ClientSampleId :

WC-B20-B22-001

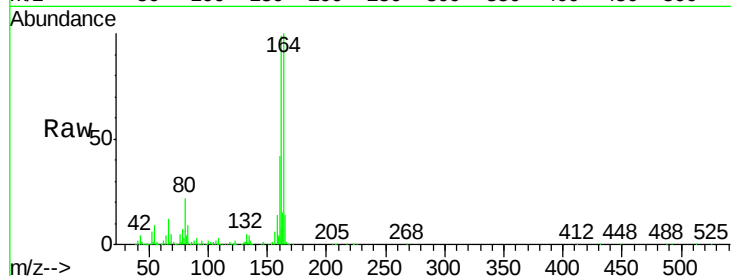
Tgt Ion:164 Resp: 253692

Ion Ratio Lower Upper

164 100

162 99.4 85.1 127.7

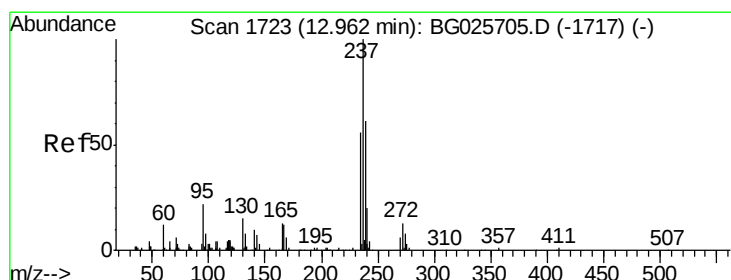
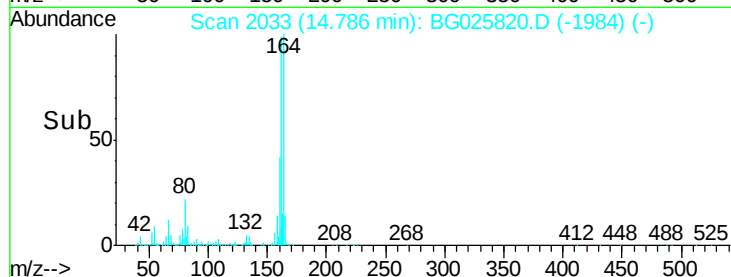
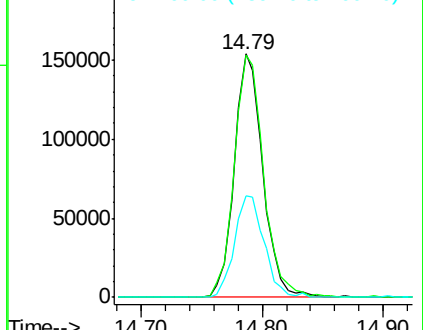
160 41.7 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 10.72 ng

RT: 12.91 min Scan# 1714

Delta R.T. -0.05 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

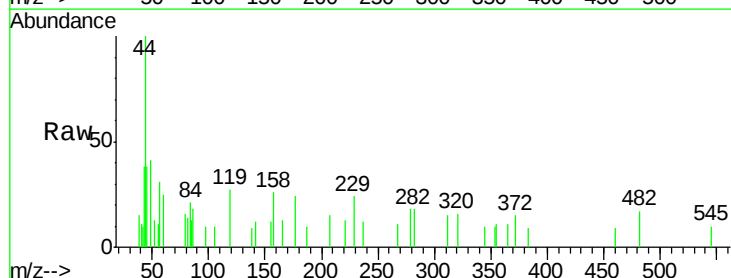
Tgt Ion:237 Resp: 129

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

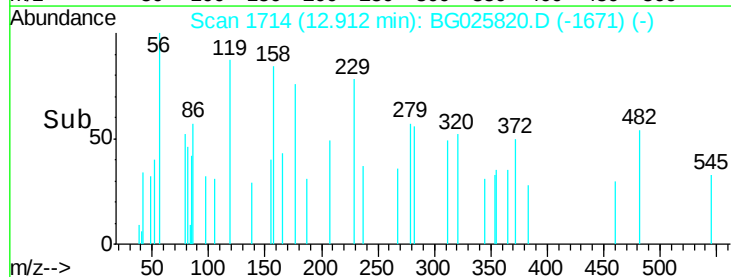
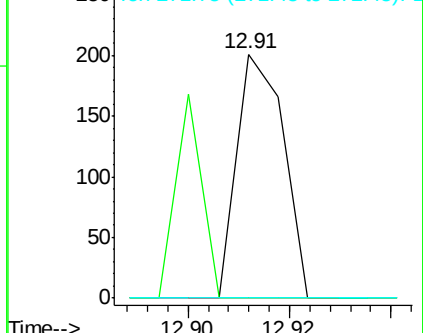
272 0.0 0.0 32.0

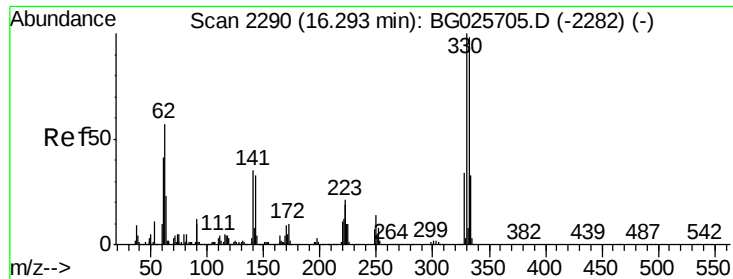


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 133.51 ng

RT: 16.28 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

Instrument :

BNA_G

ClientSampleId :

WC-B20-B22-001

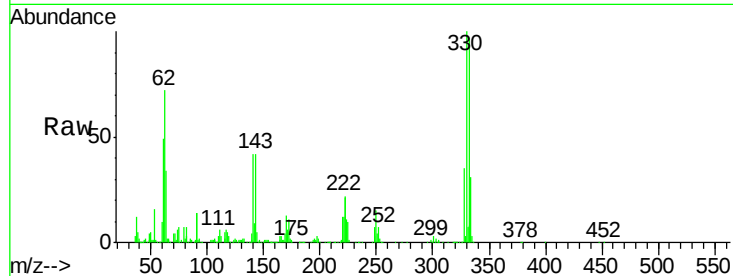
Tgt Ion:330 Resp: 483038

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

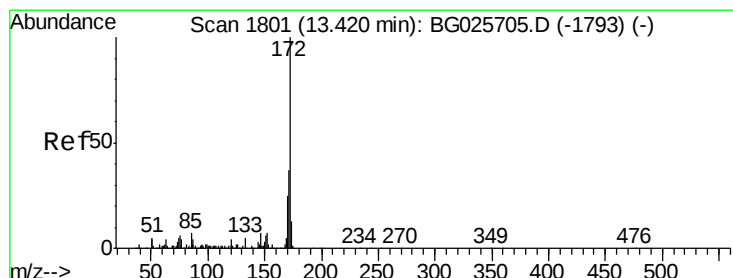
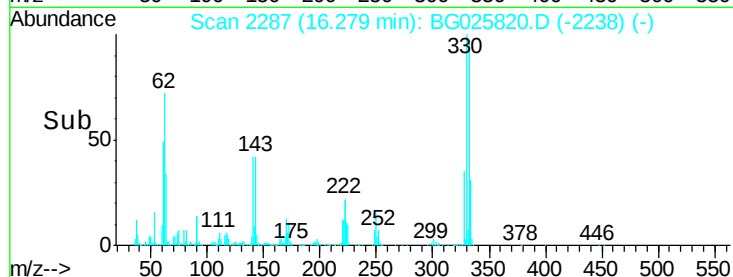
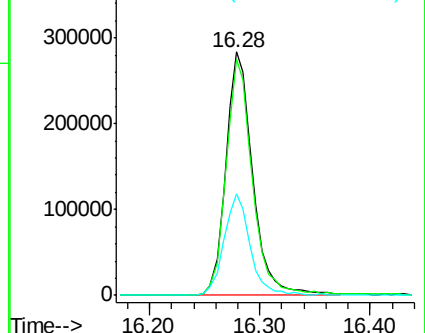
141 40.5 32.1 48.1



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: 89.12 ng

RT: 13.41 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

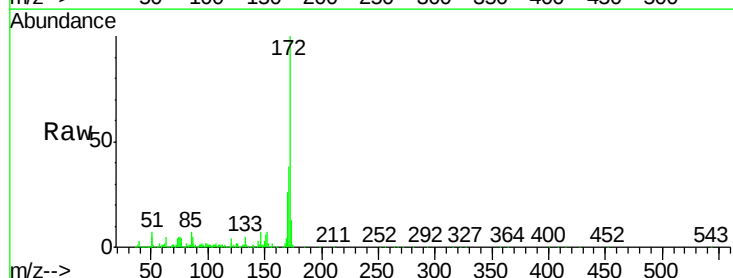
Tgt Ion:172 Resp: 1392029

Ion Ratio Lower Upper

172 100

171 38.3 32.2 48.2

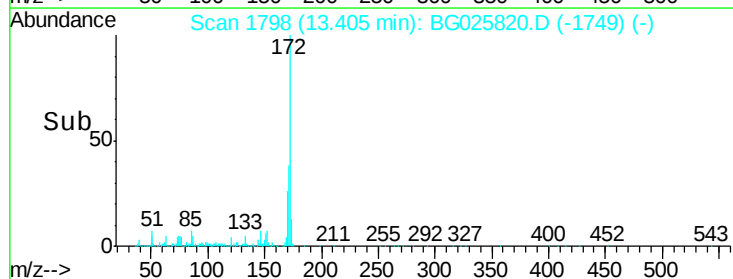
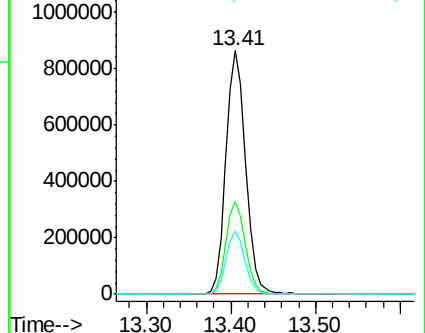
170 26.2 21.8 32.6

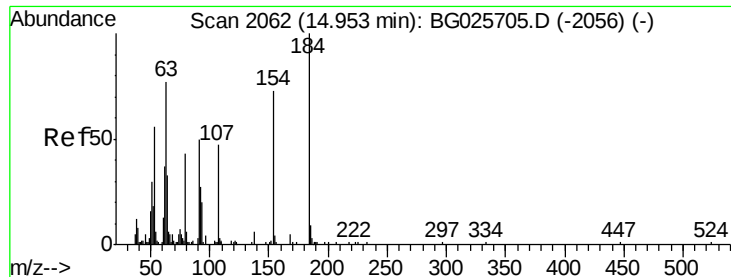


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

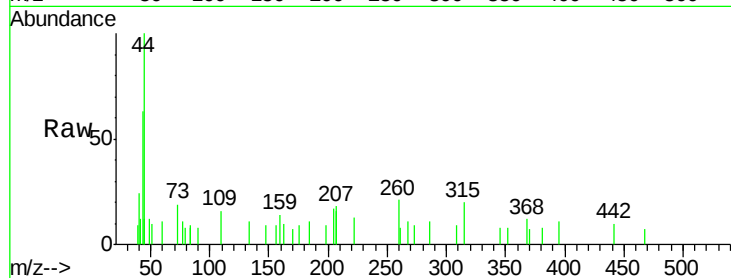




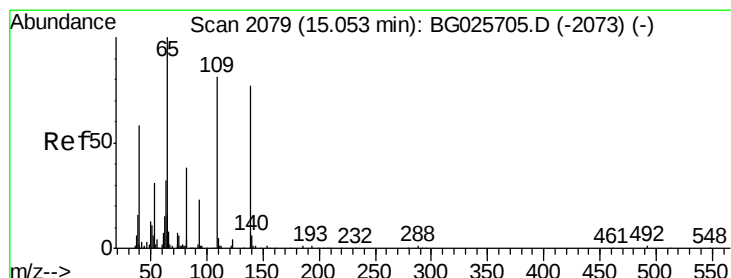
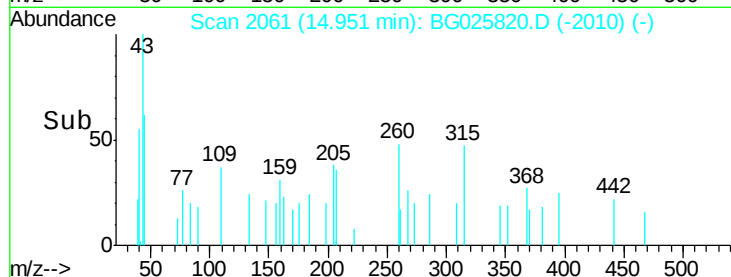
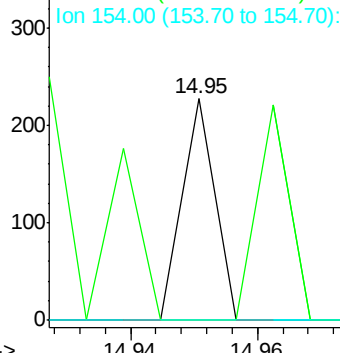
#53
2,4-Dinitrophenol
Concen: 9.47 ng
RT: 14.95 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

Instrument :
BNA_G
ClientSampleId :
WC-B20-B22-001

Tgt Ion:184 Resp: 80
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#

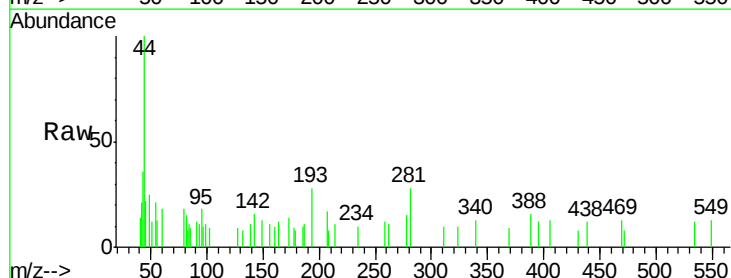


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

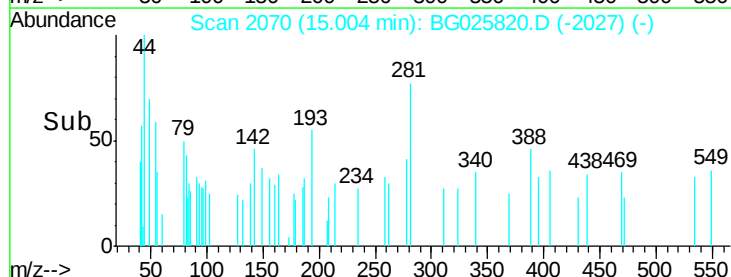
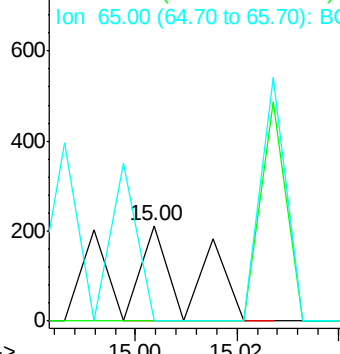


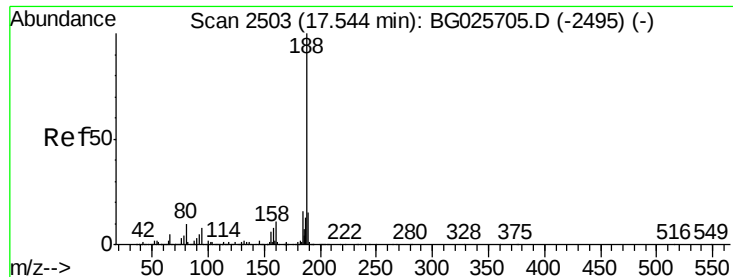
#55
4-Nitrophenol
Concen: 5.62 ng
RT: 15.00 min Scan# 2070
Delta R.T. -0.05 min
Lab File: BG025820.D
Acq: 7 Feb 2017 2:39

Tgt Ion:139 Resp: 139
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

Instrument :

BNA_G

ClientSampleId :

WC-B20-B22-001

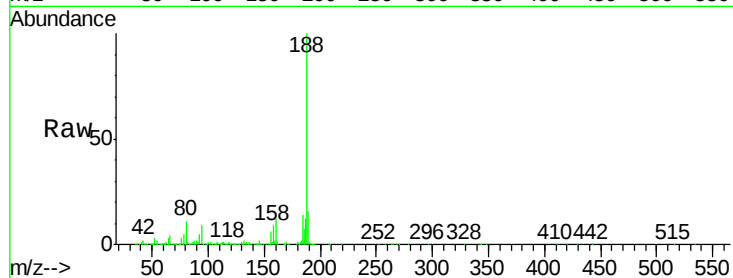
Tgt Ion:188 Resp: 563559

Ion Ratio Lower Upper

188 100

94 8.5 5.8 8.8

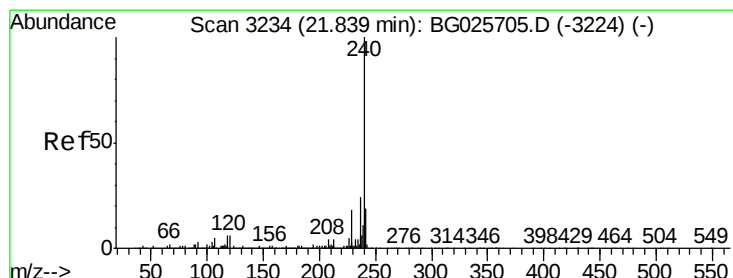
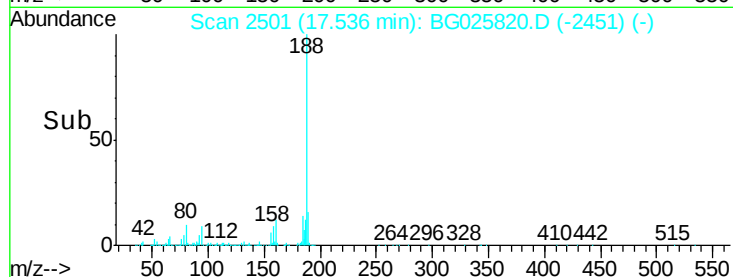
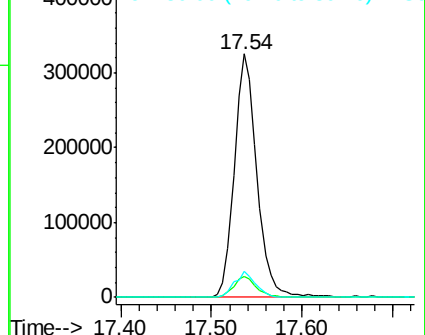
80 10.5 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

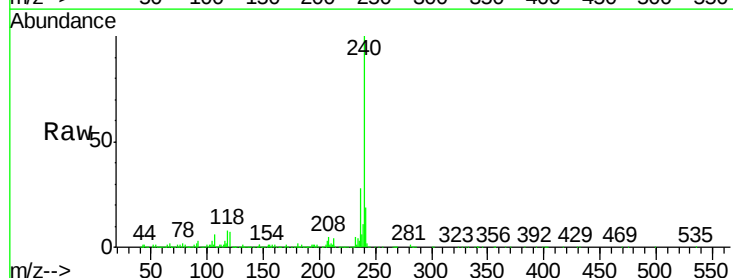
Tgt Ion:240 Resp: 718486

Ion Ratio Lower Upper

240 100

120 7.4 5.7 8.5

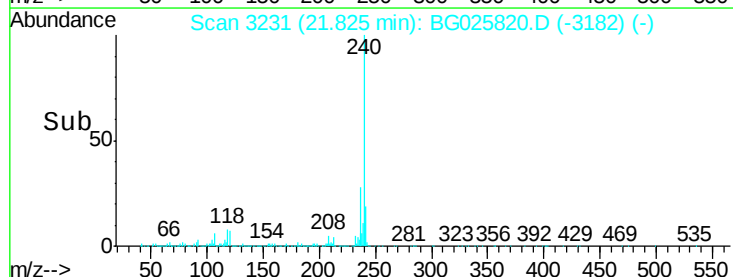
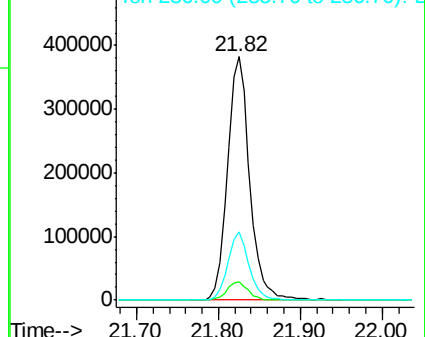
236 27.8 22.2 33.4

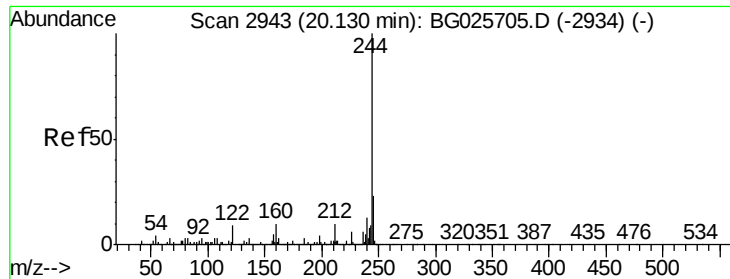


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 86.15 ng

RT: 20.12 min Scan# 2940

Delta R.T. -0.01 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

Instrument :

BNA_G

ClientSampleId :

WC-B20-B22-001

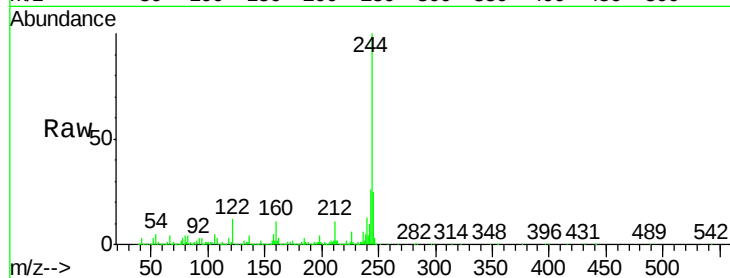
Tgt Ion:244 Resp: 2564535

Ion Ratio Lower Upper

244 100

212 11.5 10.0 15.0

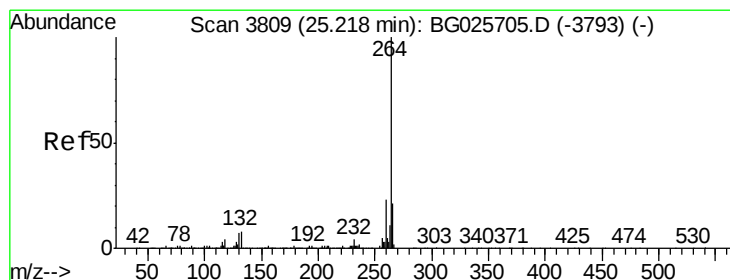
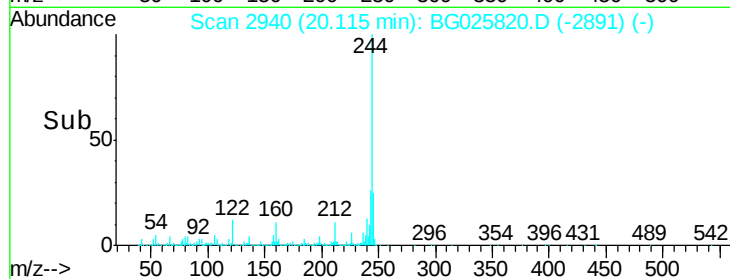
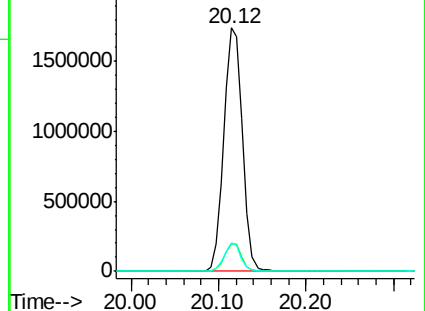
122 11.9 8.6 12.8



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# 3804

Delta R.T. -0.03 min

Lab File: BG025820.D

Acq: 7 Feb 2017 2:39

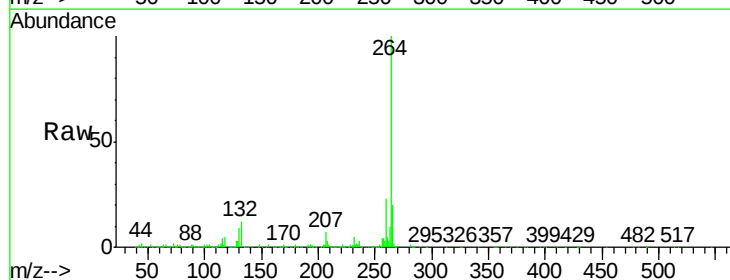
Tgt Ion:264 Resp: 680358

Ion Ratio Lower Upper

264 100

260 23.0 21.8 32.8

265 19.8 18.2 27.4



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

