

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022717\
 Data File : BG025990.D
 Acq On : 28 Feb 2017 8:19
 Operator : SJ/MA
 Sample : I1996-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 10:03:08 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 15:48:21 2017
 Response via : Initial Calibration

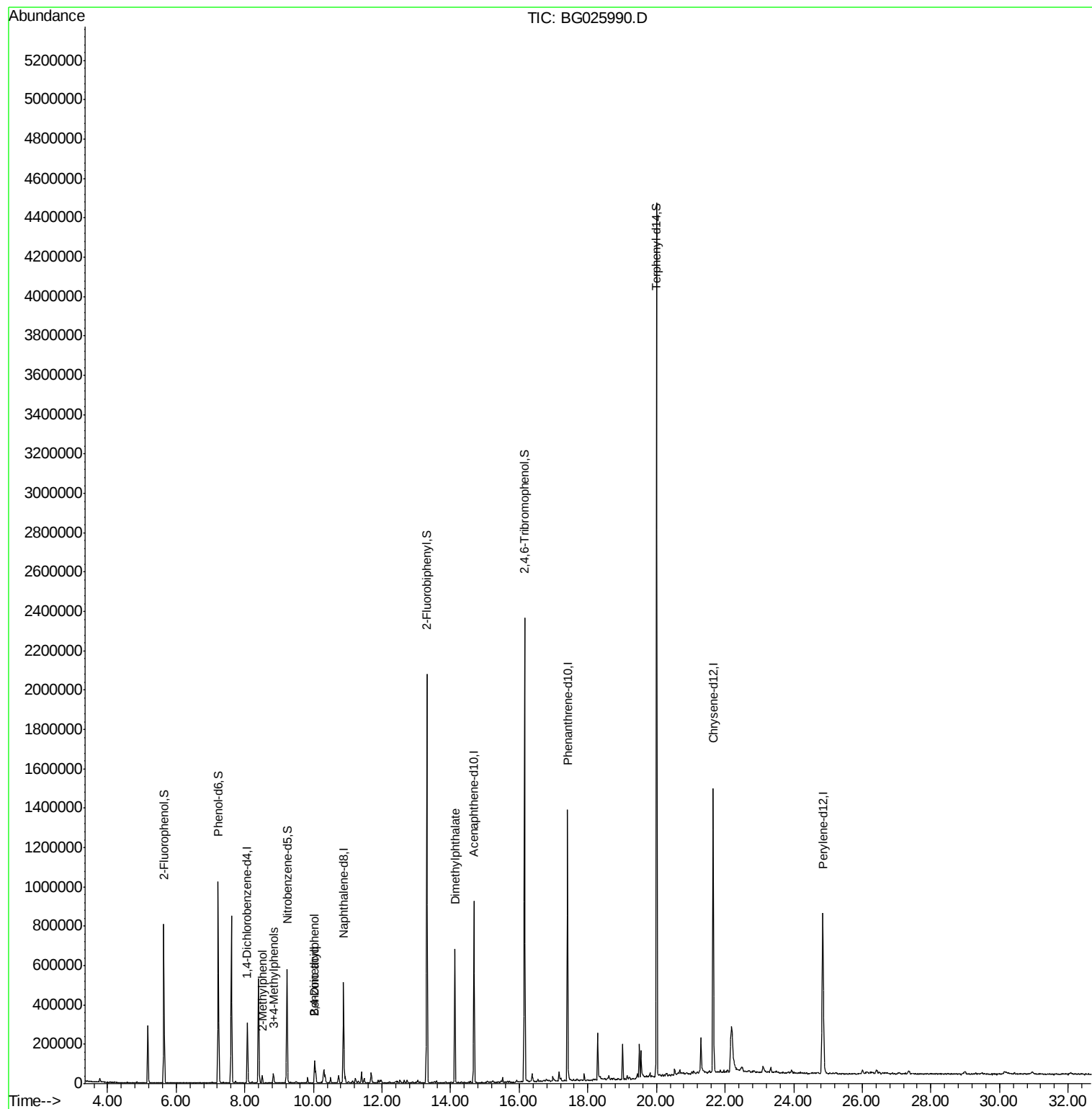
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	93052	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	451040	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	323472	20.00	ng	-0.02
63) Phenanthrene-d10	17.41	188	848130	20.00	ng	0.00
75) Chrysene-d12	21.65	240	865499	20.00	ng	-0.03
86) Perylene-d12	24.85	264	844920	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	377574	70.64	ng	-0.01
7) Phenol-d6	7.23	99	667650	84.42	ng	0.00
23) Nitrobenzene-d5	9.23	82	352304	49.29	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	452630	151.46	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	1106639	59.78	ng	-0.01
78) Terphenyl-d14	20.00	244	1999051	56.18	ng	-0.02
Target Compounds						
17) 2-Methylphenol	8.51	107	13591	2.20	ng	# 82
20) 3+4-Methylphenols	8.83	107	24330	2.76	ng	84
27) 2,4-Dimethylphenol	10.04	122	31377	4.65	ng	85
32) Benzoic acid	10.04	122	31377	6.09	ng	# 5
49) Dimethylphthalate	14.12	163	476349	21.46	ng	97

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

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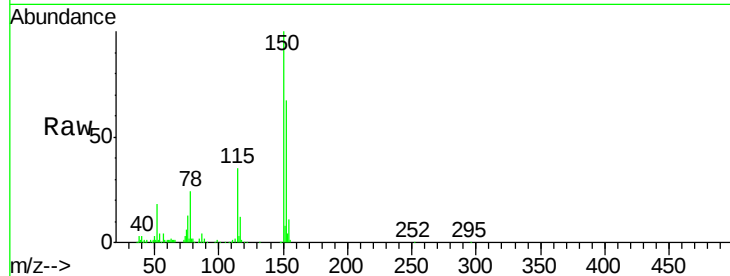


#1

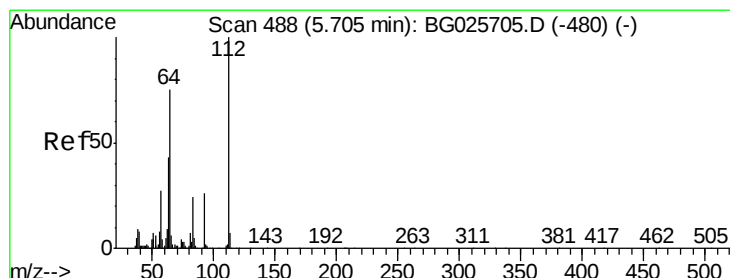
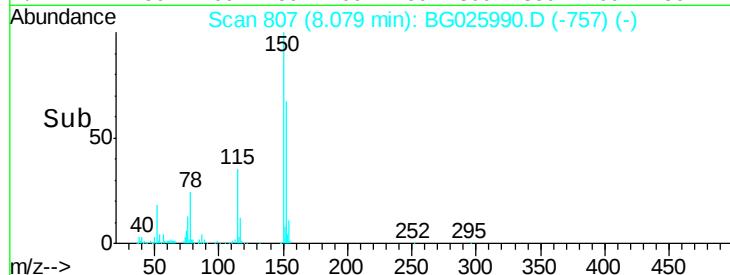
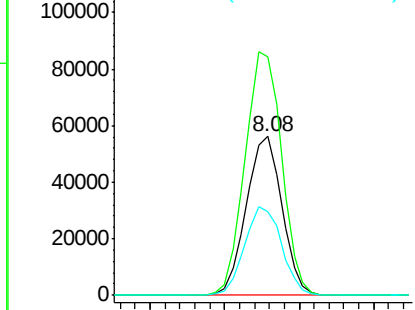
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 807
Delta R.T. -0.01 min
Lab File: BG025990.D
Acq: 28 Feb 2017 8:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	114.0	171.0
115	53.1	48.1	72.1



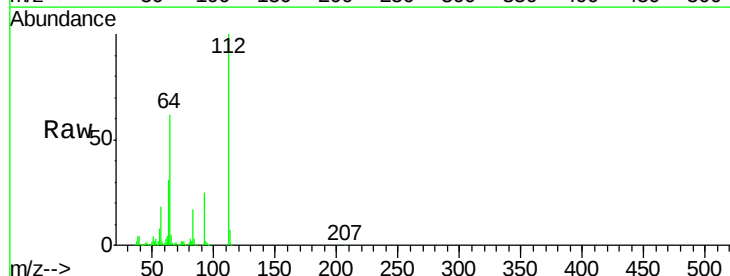
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



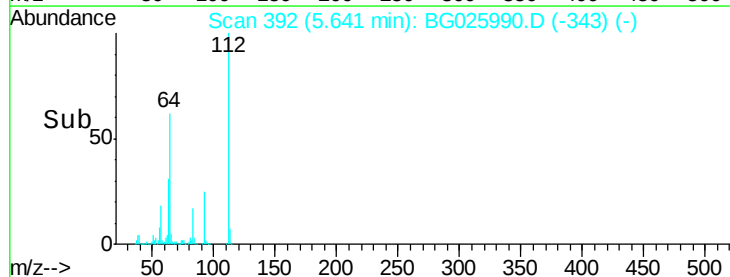
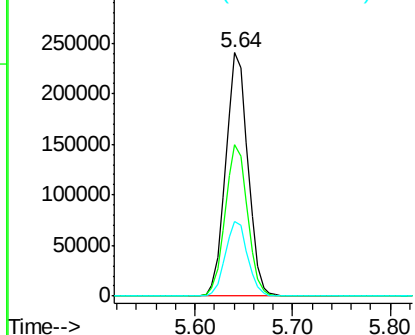
#5

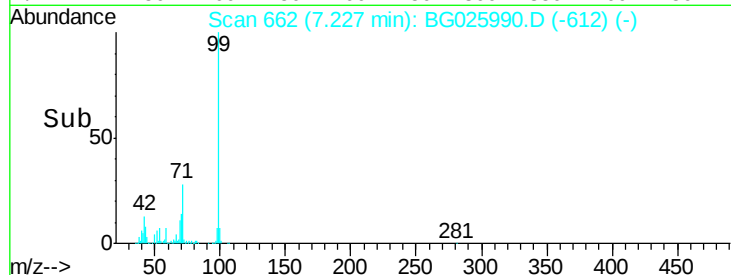
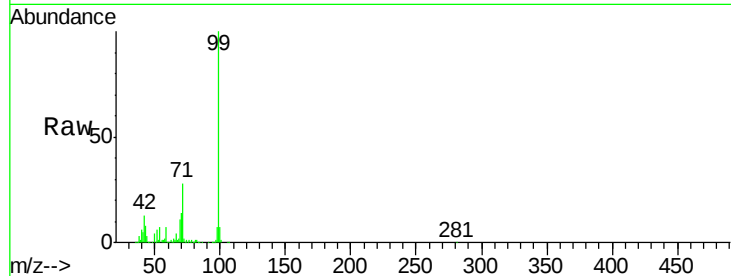
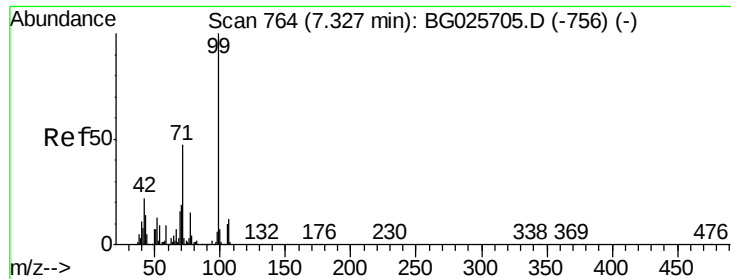
2-Fluorophenol
Concen: 70.64 ng
RT: 5.64 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG025990.D
Acq: 28 Feb 2017 8:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	61.8	92.6
63	30.8	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: 84.42 ng

RT: 7.23 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

Instrument :

BNA_G

ClientSampleId :

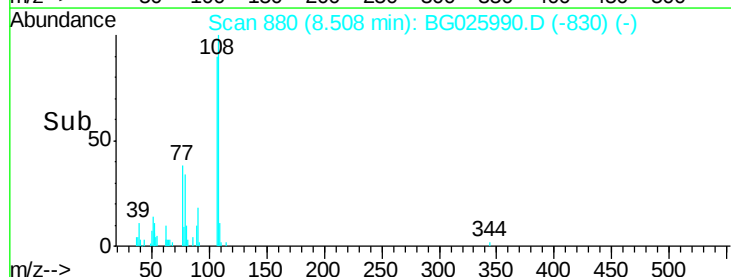
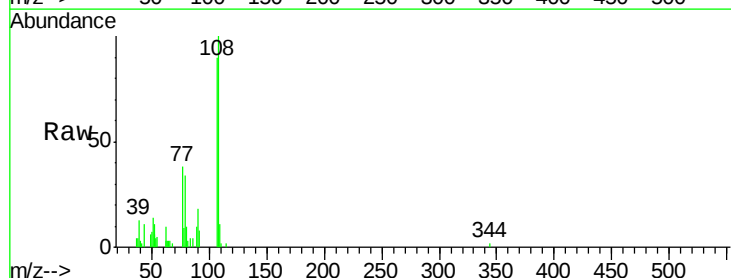
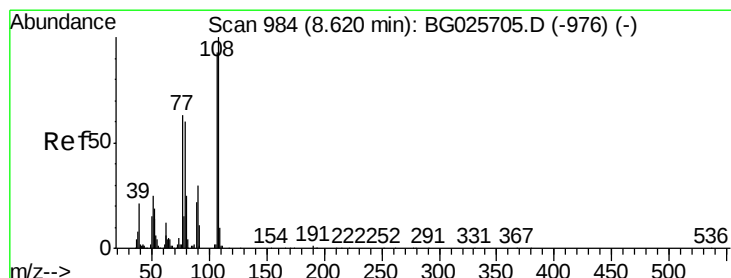
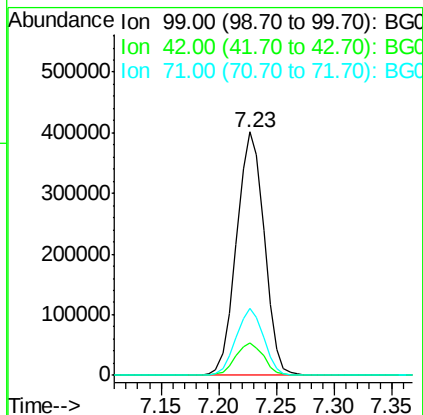
Tot Ion: 99 Resp: 667650

Ion Ratio Lower Upper

99 100

42 13.2 20.5 30.7#

71 27.7 37.6 56.4#



#17

2-Methylphenol

Concen: 2.20 ng

RT: 8.51 min Scan# 880

Delta R.T. -0.01 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

Tgt Ion: 107 Resp: 13591

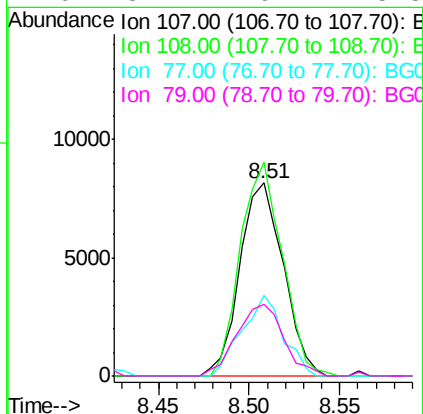
Ion Ratio Lower Upper

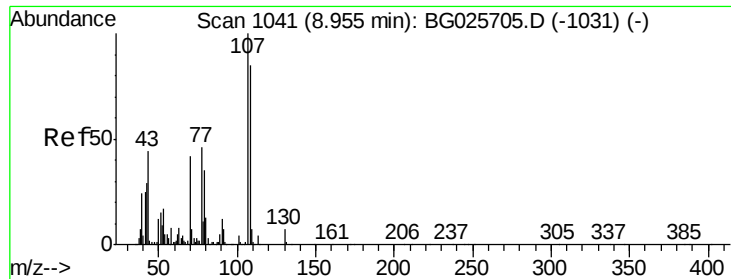
107 100

108 110.8 85.6 128.4

77 41.6 51.4 77.2#

79 37.4 49.2 73.8#

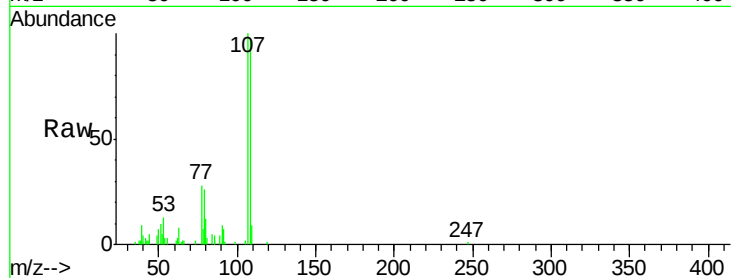




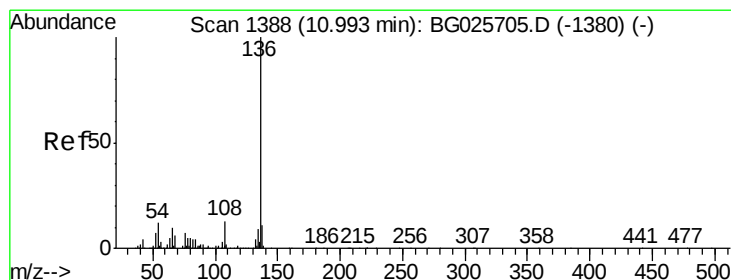
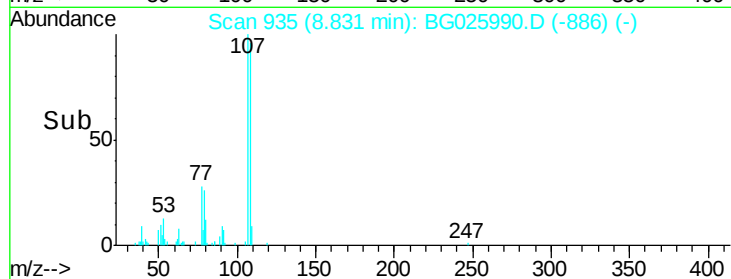
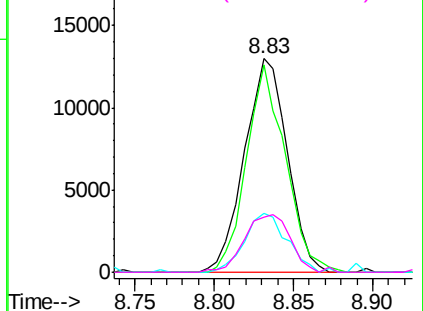
#20
3+4-Methylphenols
Concen: 2.76 ng
RT: 8.83 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG025990.D
Acq: 28 Feb 2017 8:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	107	Resp:	24330
Ion	Ratio	Lower	Upper
107	100		
108	96.9	70.8	110.8
77	27.6	25.8	65.8
79	25.9	20.1	60.1

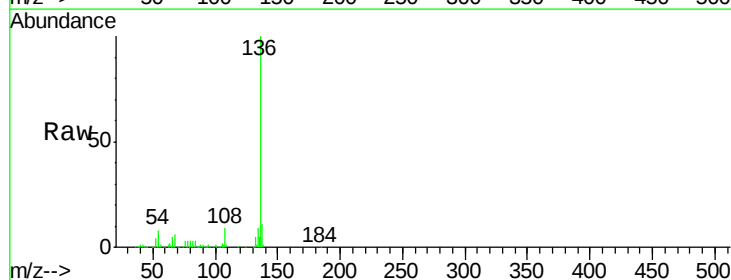


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

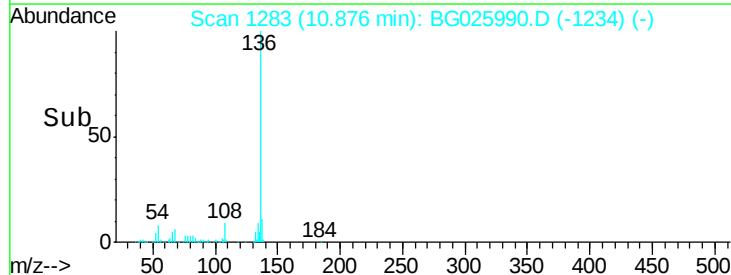
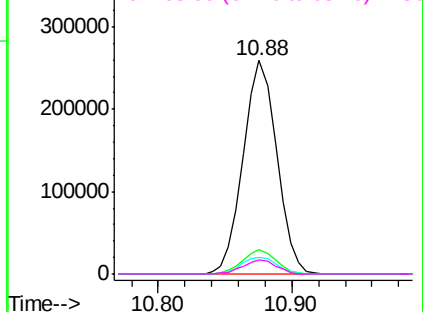


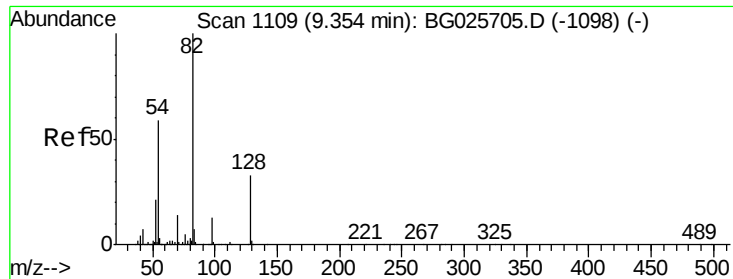
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BG025990.D
Acq: 28 Feb 2017 8:19

Tgt Ion:	136	Resp:	451040
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.8	9.3	13.9#
68	6.4	5.1	7.7



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

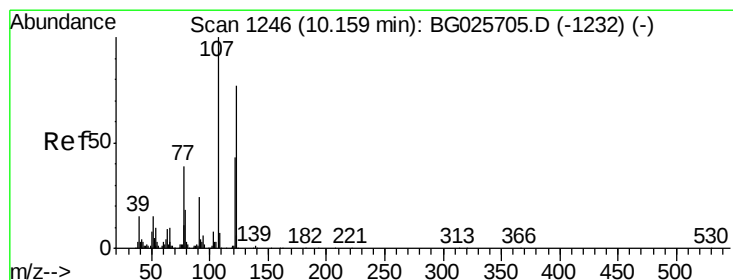
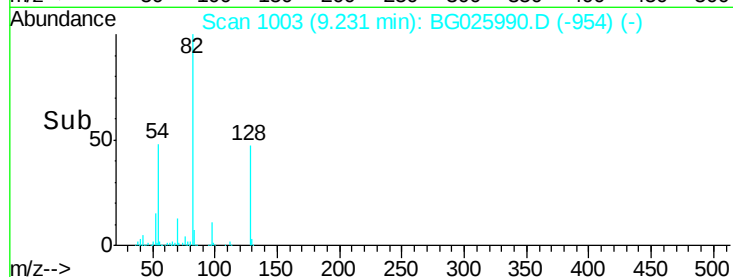
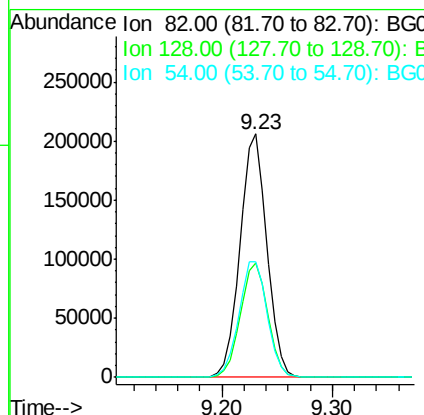
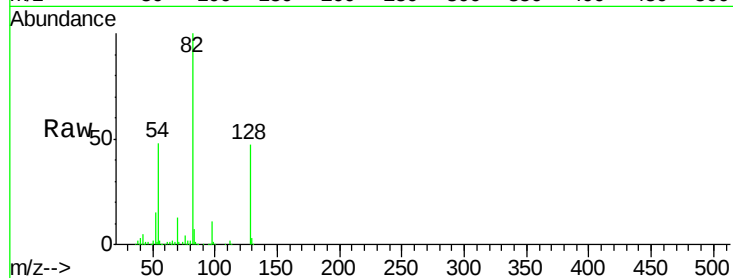




#23
 Nitrobenzene-d5
 Concen: 49.29 ng
 RT: 9.23 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BG025990.D
 Acq: 28 Feb 2017 8:19

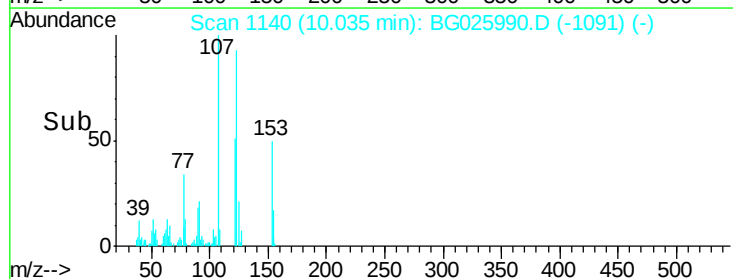
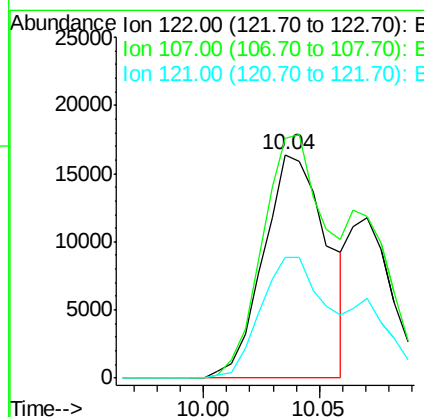
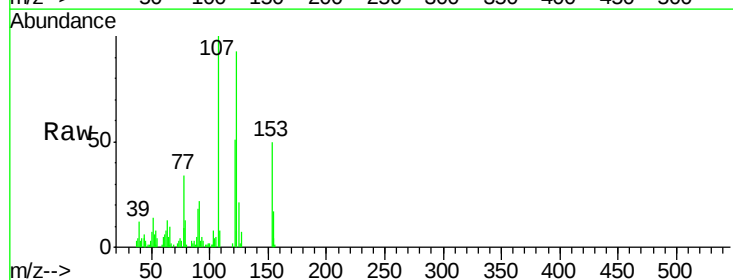
Instrument :
 BNA_G
 ClientSampleId :

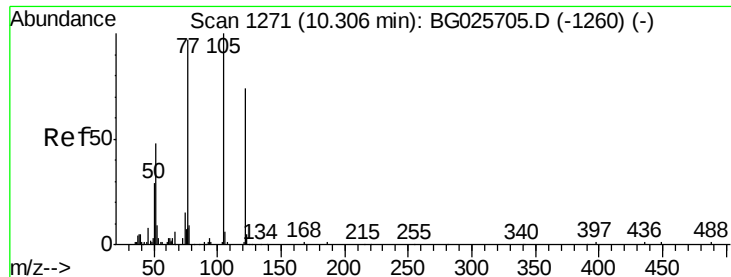
Tot Ion: 82 Resp: 352304
 Ion Ratio Lower Upper
 82 100
 128 47.2 26.4 39.6#
 54 47.5 49.4 74.2#



#27
 2,4-Dimethylphenol
 Concen: 4.65 ng
 RT: 10.04 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BG025990.D
 Acq: 28 Feb 2017 8:19

Tgt Ion:122 Resp: 31377
 Ion Ratio Lower Upper
 122 100
 107 107.0 104.2 156.4
 121 54.1 46.0 69.0





#32

Benzoic acid

Concen: 6.09 ng

RT: 10.04 min Scan# 1140

Delta R.T. -0.13 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

Instrument :

BNA_G

ClientSampleId :

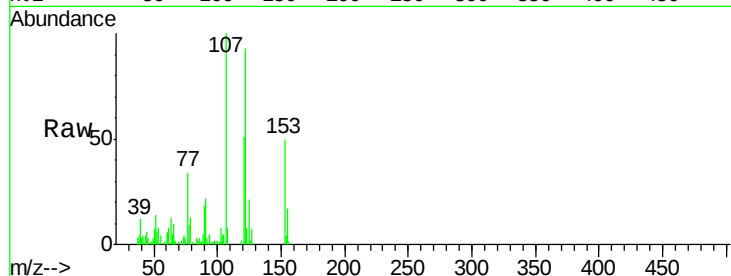
Tot Ion:122 Resp: 31377

Ion Ratio Lower Upper

122 100

105 5.5 120.1 160.1#

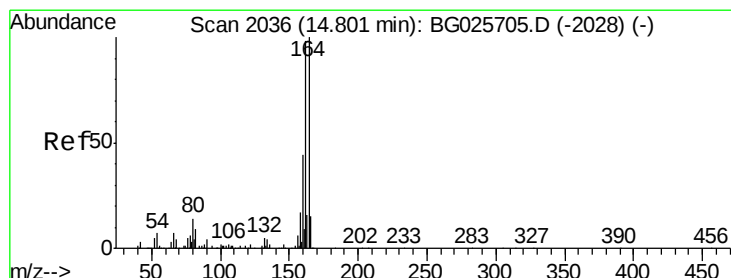
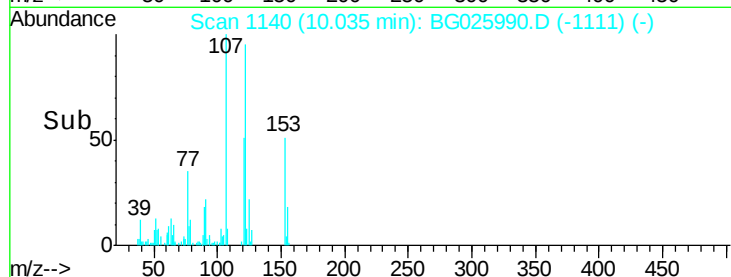
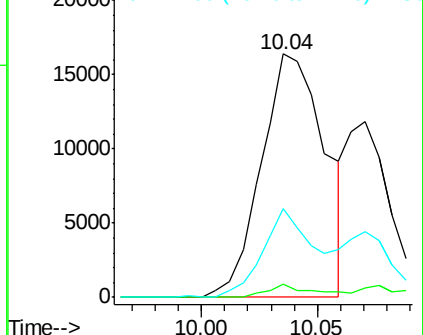
77 36.4 104.6 144.6#



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): B



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1930

Delta R.T. -0.02 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

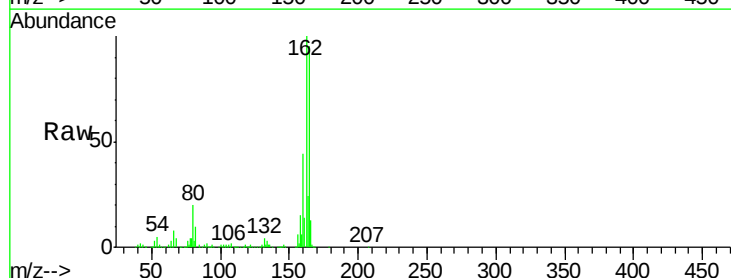
Tgt Ion:164 Resp: 323472

Ion Ratio Lower Upper

164 100

162 105.4 85.1 127.7

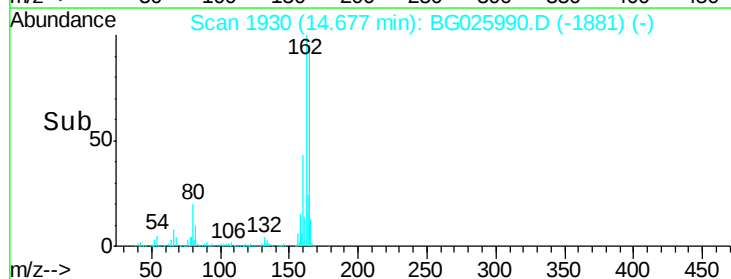
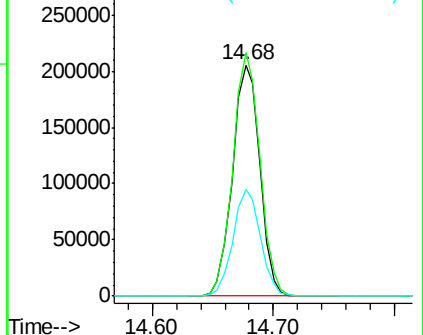
160 45.9 34.7 52.1

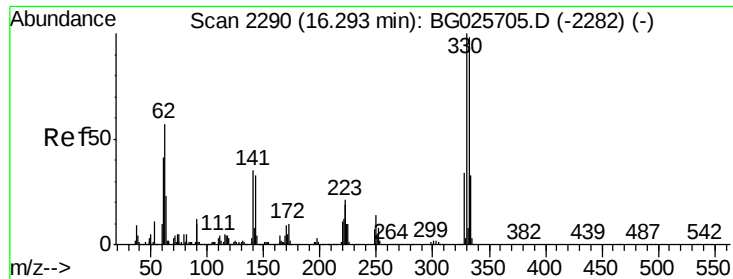


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

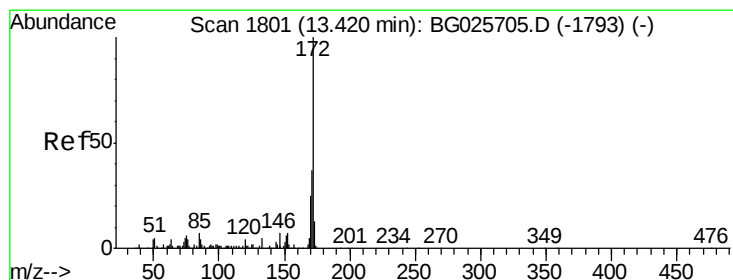
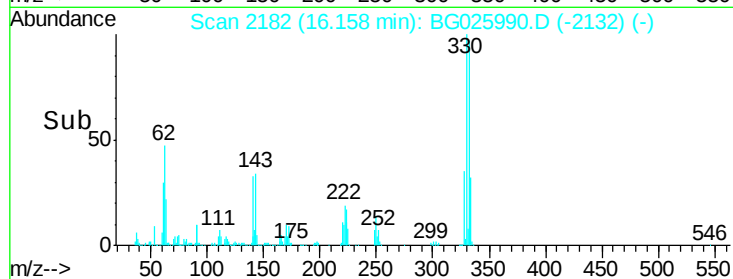
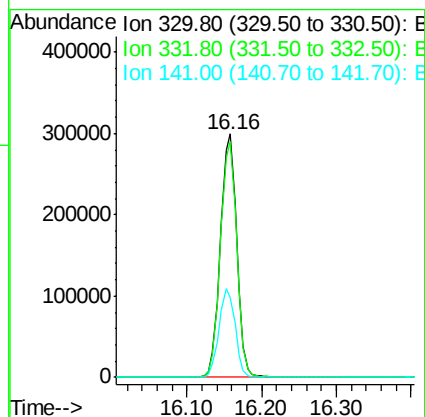
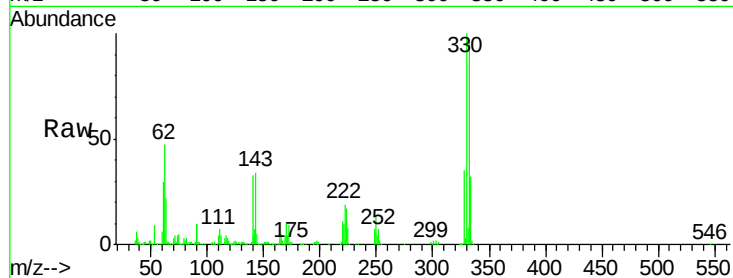




#41
 2,4,6-Tribromophenol
 Concen: 151.46 ng
 RT: 16.16 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BG025990.D
 Acq: 28 Feb 2017 8:19

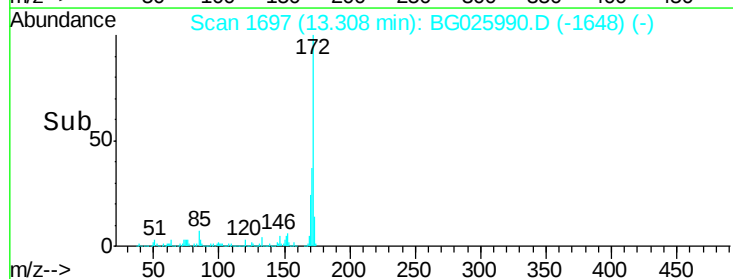
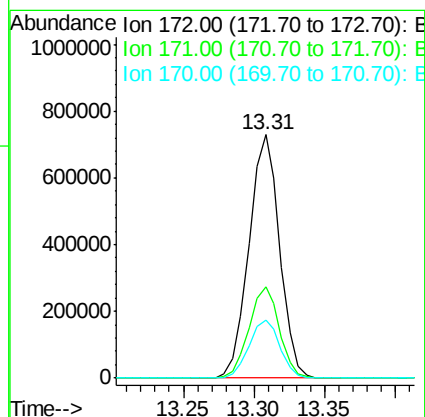
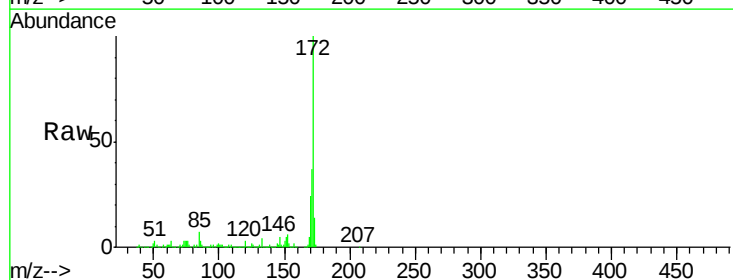
Instrument :
 BNA_G
 ClientSampleId :

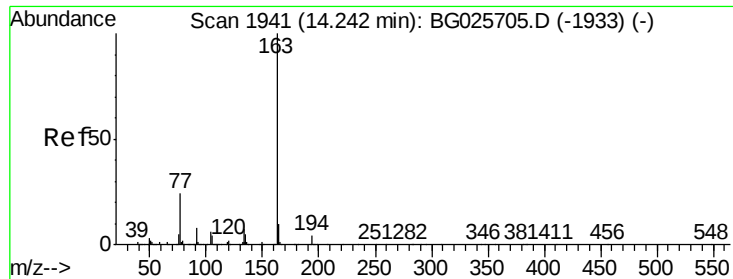
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	36.1	32.1	48.1



#44
 2-Fluorobiphenyl
 Concen: 59.78 ng
 RT: 13.31 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG025990.D
 Acq: 28 Feb 2017 8:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.2	48.2
170	23.9	21.8	32.6





#49

Dimethylphthalate

Concen: 21.46 ng

RT: 14.12 min Scan# 1836

Delta R.T. -0.02 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

Instrument :

BNA_G

ClientSampled :

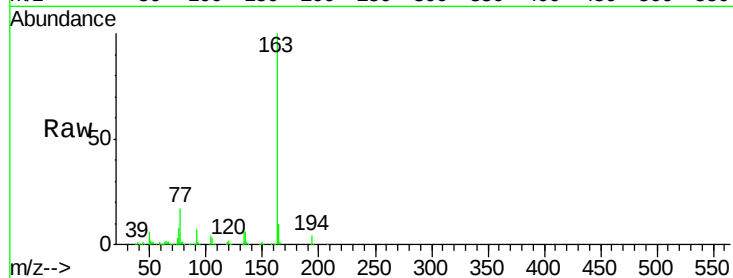
Tot Ion:163 Resp: 476349

Ion Ratio Lower Upper

163 100

194 4.5 3.8 5.6

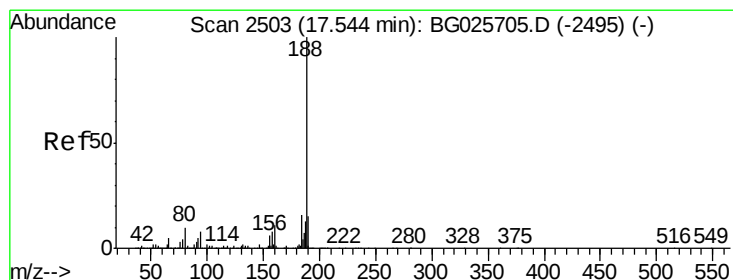
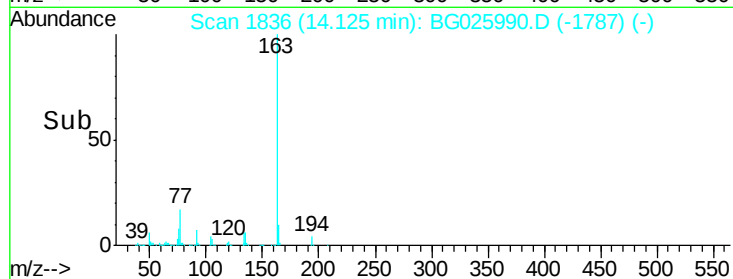
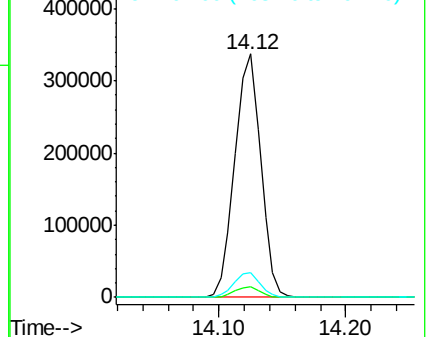
164 10.0 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.41 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

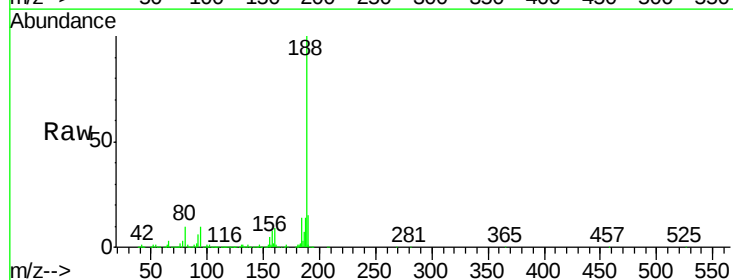
Tgt Ion:188 Resp: 848130

Ion Ratio Lower Upper

188 100

94 9.5 5.8 8.8#

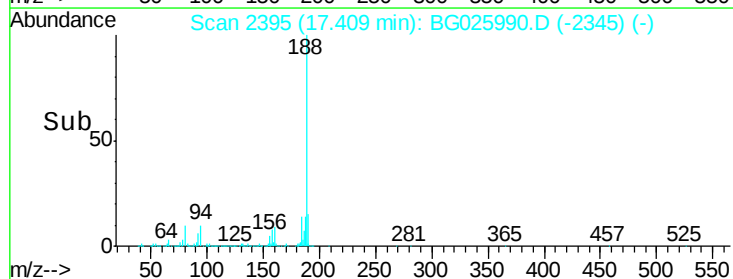
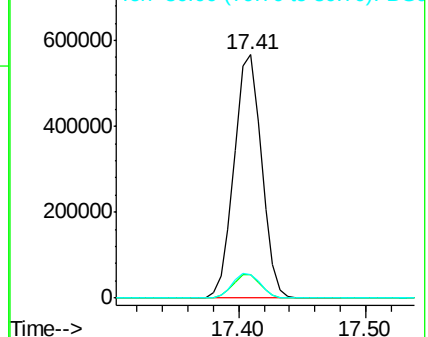
80 9.7 7.5 11.3

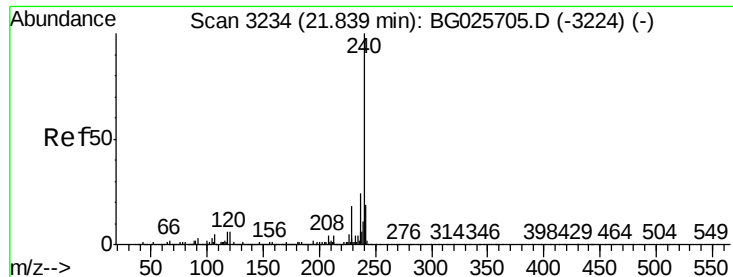


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.65 min Scan# 3117

Delta R.T. -0.03 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

Instrument :

BNA_G

ClientSampleId :

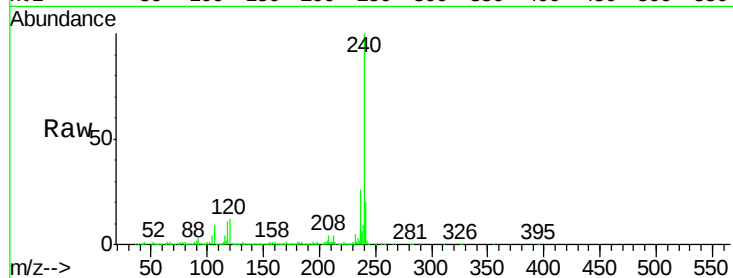
Tot Ion:240 Resp: 865499

Ion Ratio Lower Upper

240 100

120 11.8 5.7 8.5#

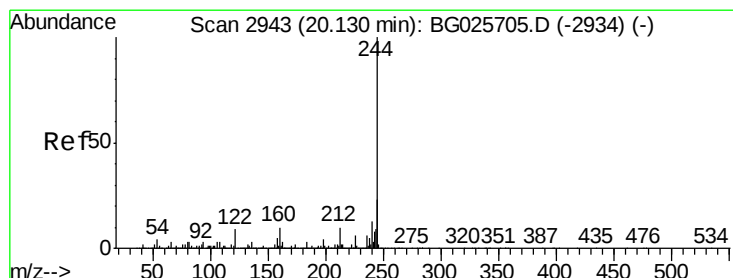
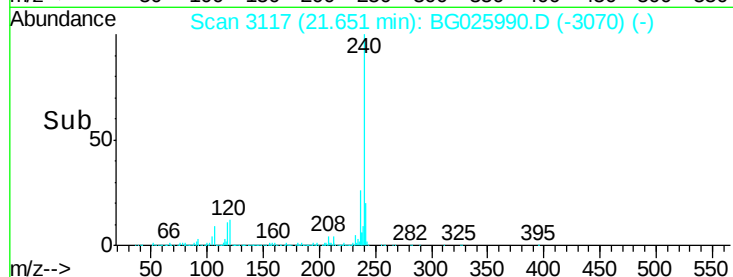
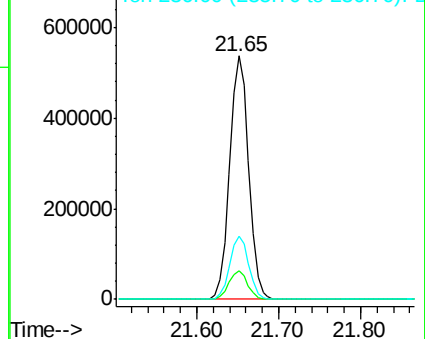
236 26.0 22.2 33.4



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: 56.18 ng

RT: 20.00 min Scan# 2836

Delta R.T. -0.02 min

Lab File: BG025990.D

Acq: 28 Feb 2017 8:19

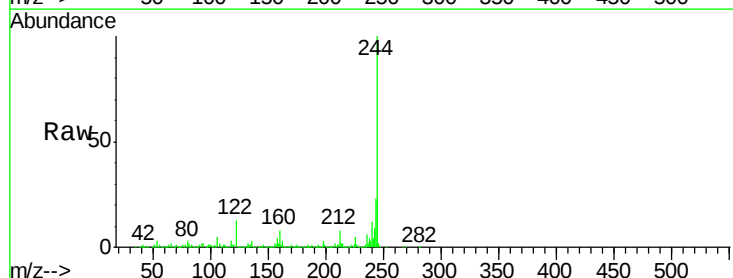
Tgt Ion:244 Resp: 1999051

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

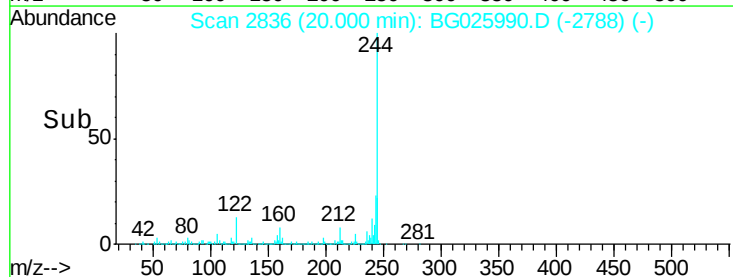
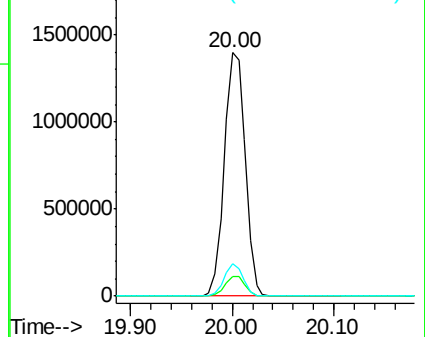
122 13.1 8.6 12.8#

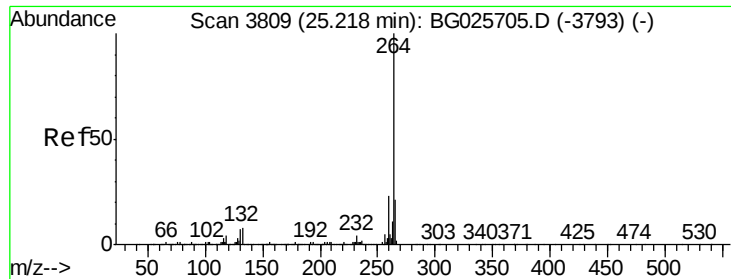


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.85 min Scan# 3661
Delta R.T. -0.04 min
Lab File: BG025990.D
Acq: 28 Feb 2017 8:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	21.8	32.8
265	21.2	18.2	27.4

