

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120515\
 Data File : BG019957.D
 Acq On : 6 Dec 2015 00:44
 Operator : UM/NP
 Sample : G4630-16
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-11

Quant Time: Dec 07 01:22:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

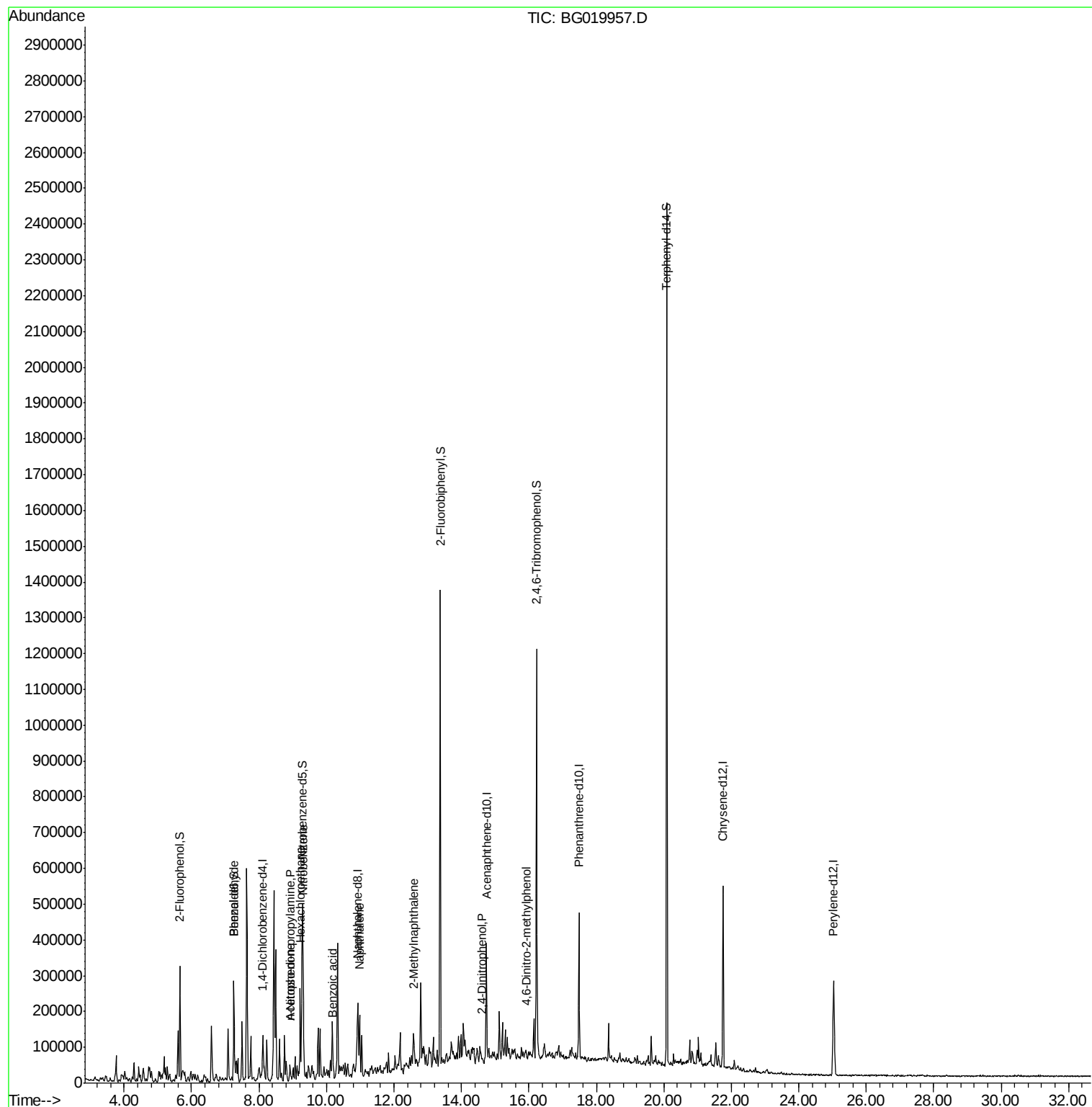
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	33316	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	146121	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	102873	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	253417	20.00	ng	-0.02
75) Chrysene-d12	21.75	240	308936	20.00	ng	-0.04
86) Perylene-d12	25.04	264	292920	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	135009	73.24	ng	0.00
7) Phenol-d6	7.26	99	127041	45.65	ng	-0.02
23) Nitrobenzene-d5	9.29	82	285222	99.62	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	215239	136.74	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	683018	90.66	ng	-0.02
78) Terphenyl-d14	20.08	244	1089188	86.00	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.26	77	4994	2.69	ng	# 1
18) Hexachloroethane	9.23	117	39649	40.24	ng	# 1
19) n-Nitroso-di-n-propylamine	8.92	70	4544	2.07	ng	# 62
22) Acetophenone	8.92	105	25906	6.47	ng	# 62
24) Nitrobenzene	9.31	77	13401	4.31	ng	# 7
31) Naphthalene	10.98	128	84912	10.85	ng	# 93
32) Benzoic acid	10.20	122	68	6.04	ng	# 1
37) 2-Methylnaphthalene	12.58	142	40615	7.08	ng	# 93
53) 2,4-Dinitrophenol	14.62	184	497	9.74	ng	# 95
64) 4,6-Dinitro-2-methylphenol	15.92	198	135	6.19	ng	# 1

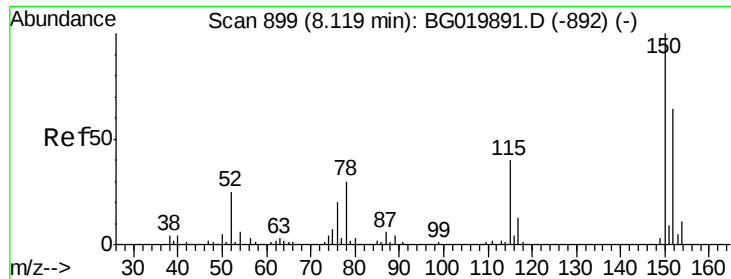
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 898

Delta R.T. -0.02 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

Instrument :

BNA_G

ClientSampleId :

MW-11

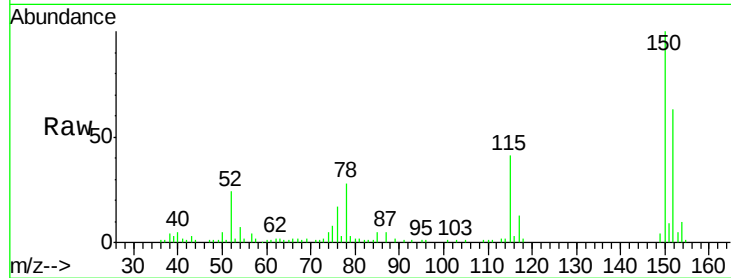
Tgt Ion:152 Resp: 33316

Ion Ratio Lower Upper

152 100

150 158.3 115.0 172.4

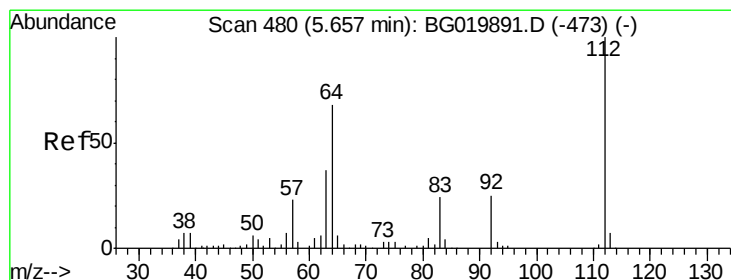
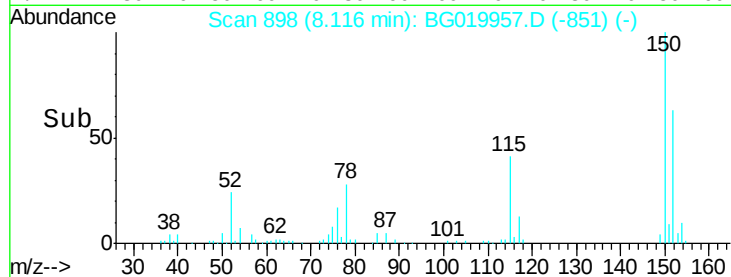
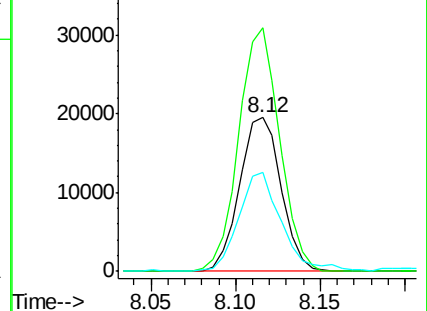
115 64.7 43.9 65.9



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: 73.24 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

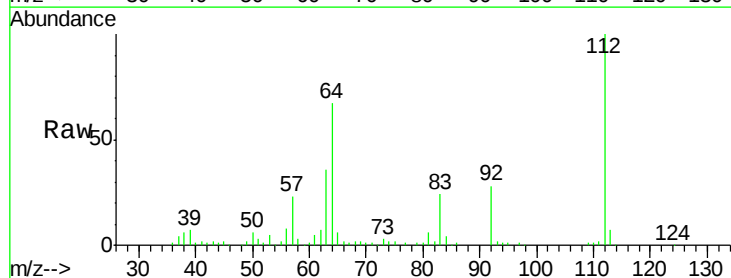
Tgt Ion:112 Resp: 135009

Ion Ratio Lower Upper

112 100

64 67.4 43.7 65.5#

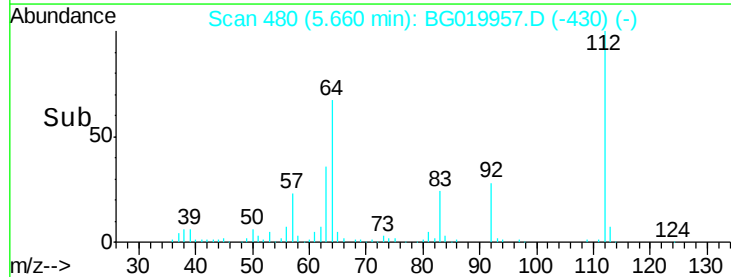
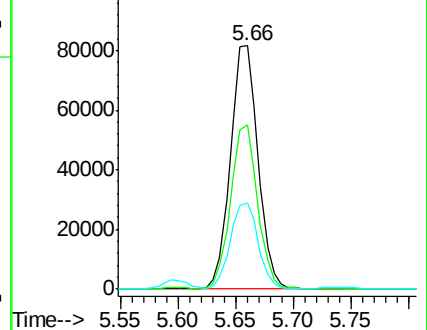
63 35.5 24.0 36.0

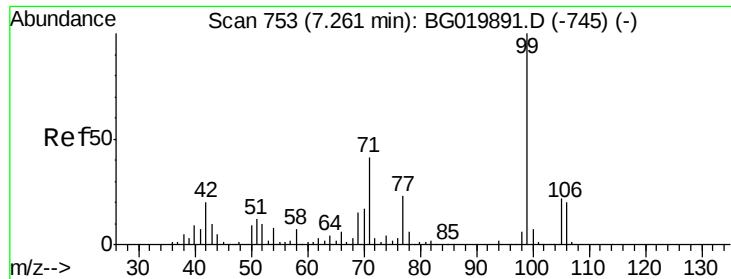


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.65 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

Instrument :

BNA_G

ClientSampled :

MW-11

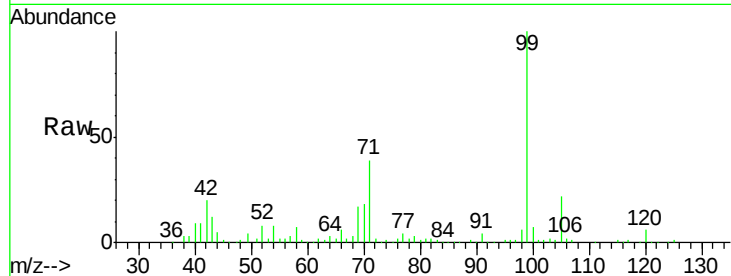
Tgt Ion: 99 Resp: 127041

Ion Ratio Lower Upper

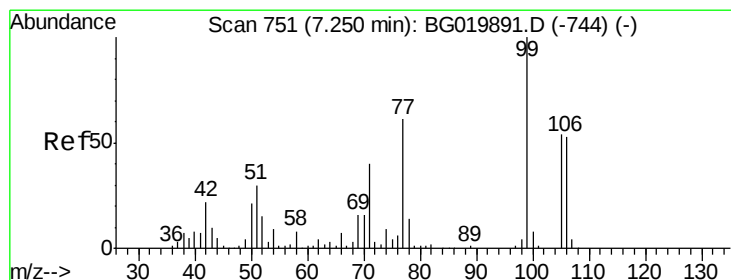
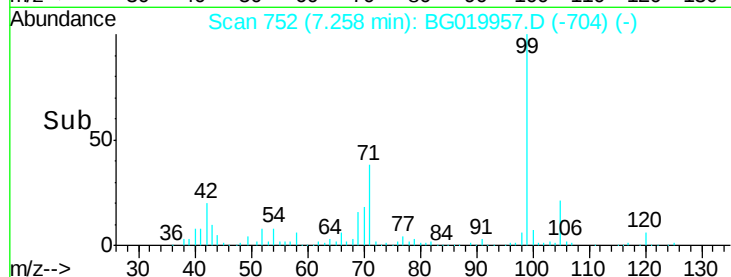
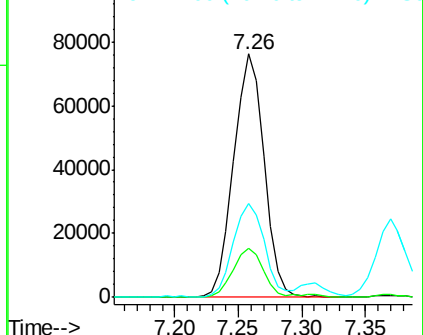
99 100

42 20.3 11.5 17.3#

71 38.8 22.6 34.0#



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



#9

Benzaldehyde

Concen: 2.69 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.00 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

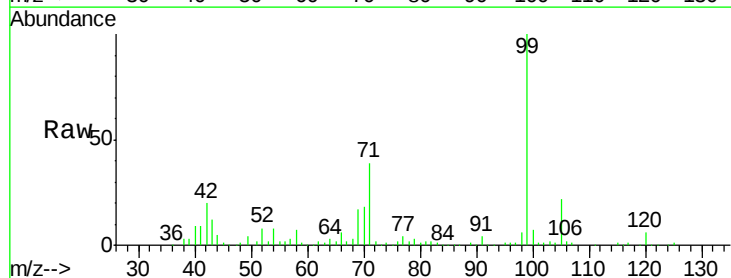
Tgt Ion: 77 Resp: 4994

Ion Ratio Lower Upper

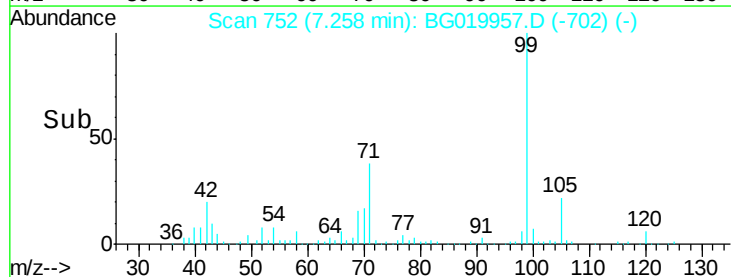
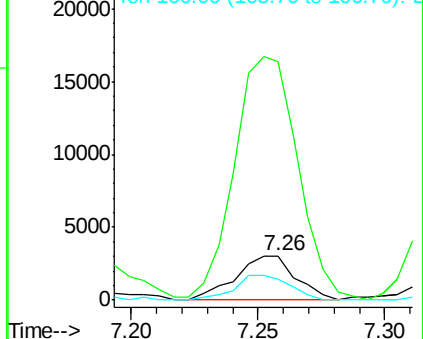
77 100

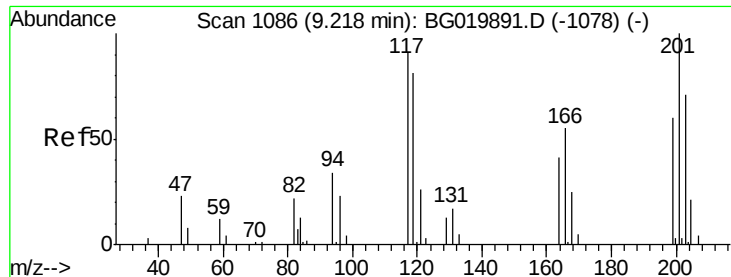
105 543.0 77.7 117.7#

106 48.2 75.8 115.8#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

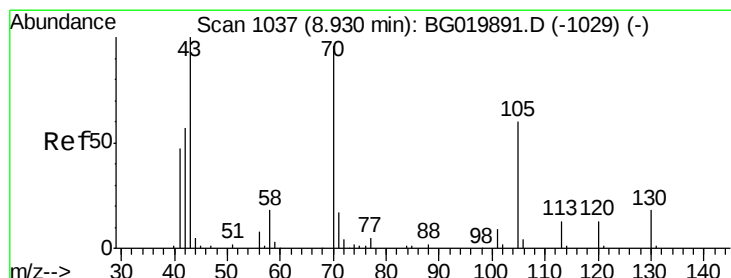
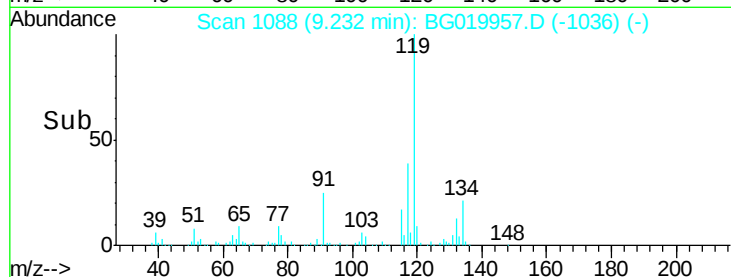
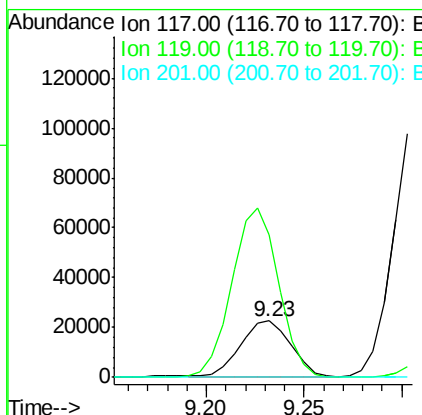
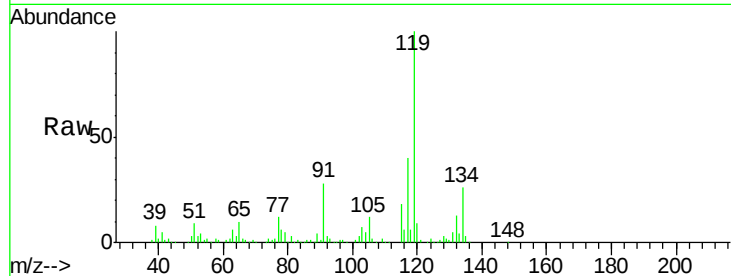




#18
 Hexachloroethane
 Concen: 40.24 ng
 RT: 9.23 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

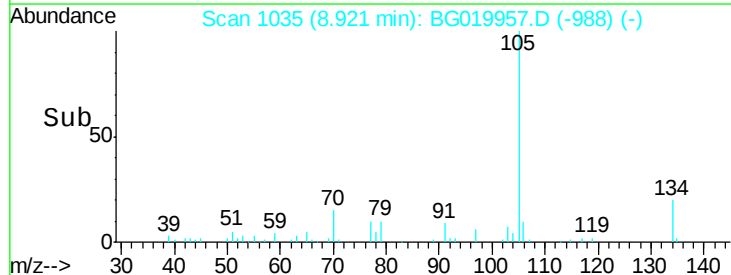
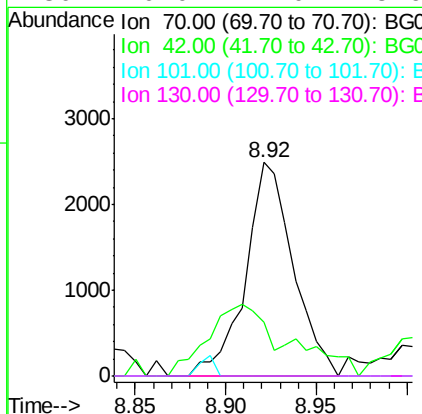
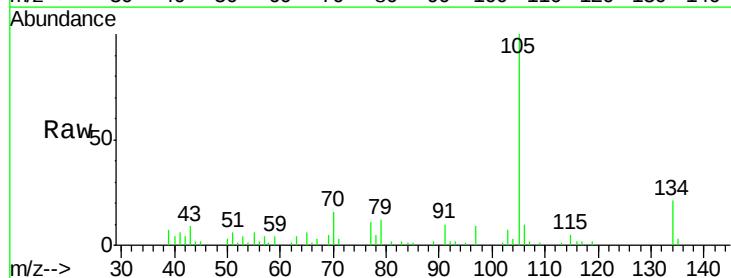
Instrument :
 BNA_G
 ClientSampleId :
 MW-11

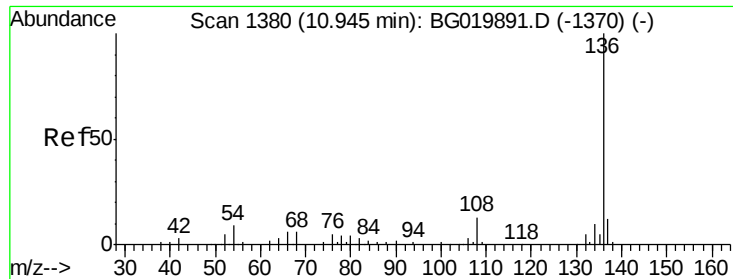
Tgt Ion: 117 Resp: 39649
 Ion Ratio Lower Upper
 117 100
 119 252.7 71.7 107.5#
 201 0.0 90.9 136.3#



#19
 n-Nitroso-di-n-propylamine
 Concen: 2.07 ng
 RT: 8.92 min Scan# 1035
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

Tgt Ion: 70 Resp: 4544
 Ion Ratio Lower Upper
 70 100
 42 25.4 40.6 60.8#
 101 0.0 8.6 13.0#
 130 0.0 17.0 25.6#

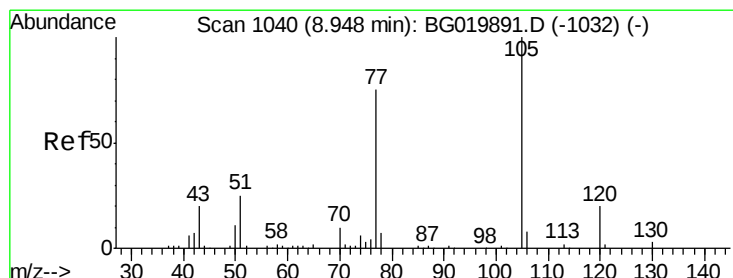
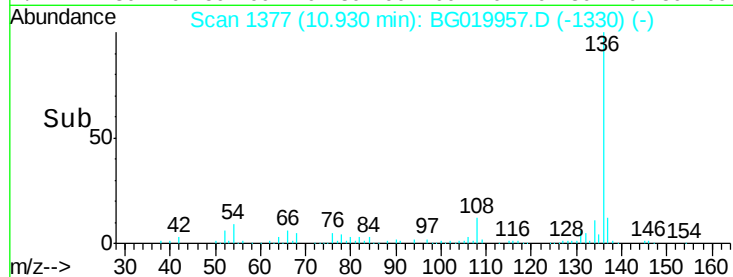
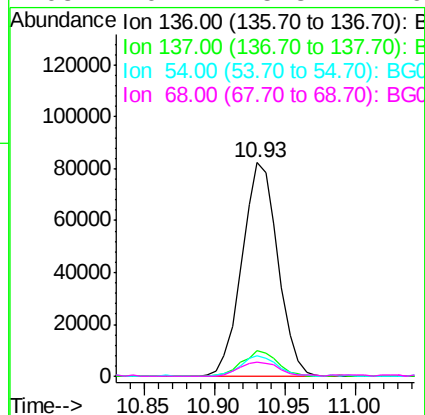
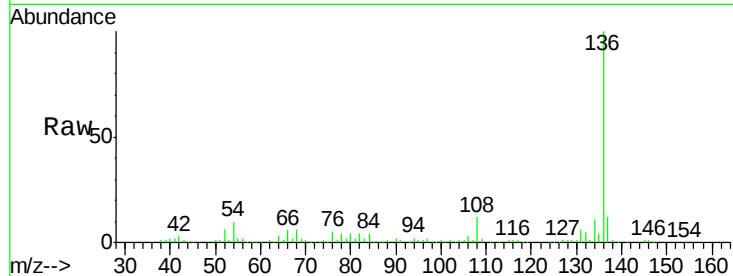




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

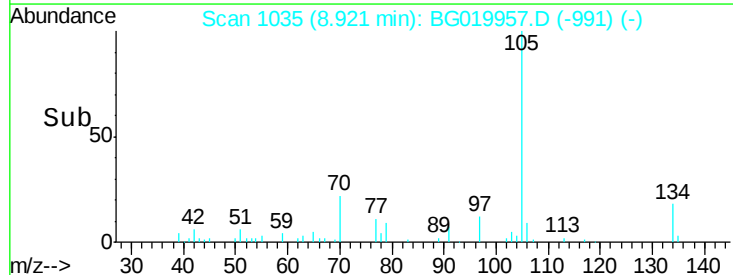
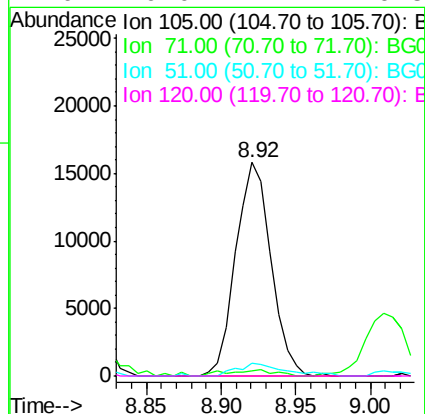
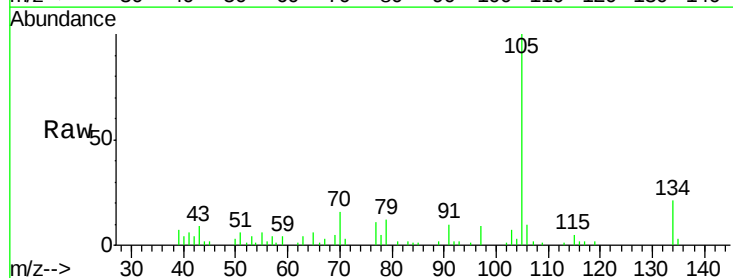
Instrument :
BNA_G
ClientSampleId :
MW-11

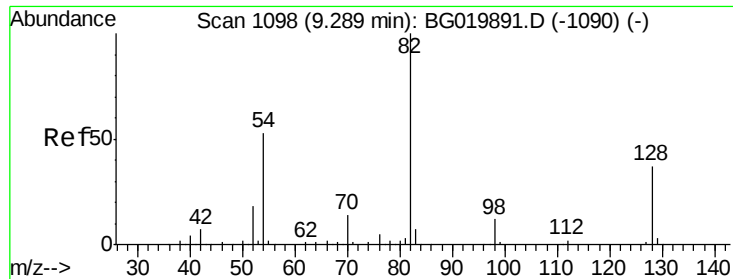
Tgt Ion:	136	Resp:	146121
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.6	12.8
54	9.7	5.4	8.2#
68	6.4	5.3	7.9



#22
Acetophenone
Concen: 6.47 ng
RT: 8.92 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

Tgt Ion:	105	Resp:	25906
Ion	Ratio	Lower	Upper
105	100		
71	2.6	2.1	3.1
51	6.1	17.8	26.8#
120	0.0	17.7	26.5#

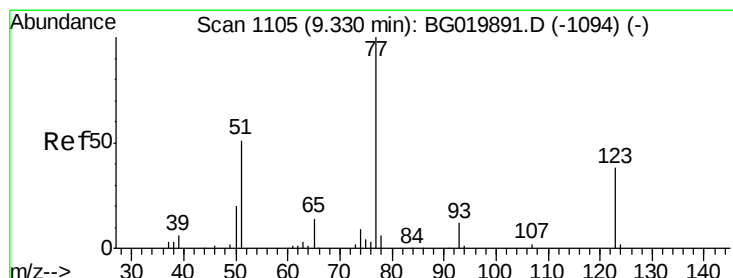
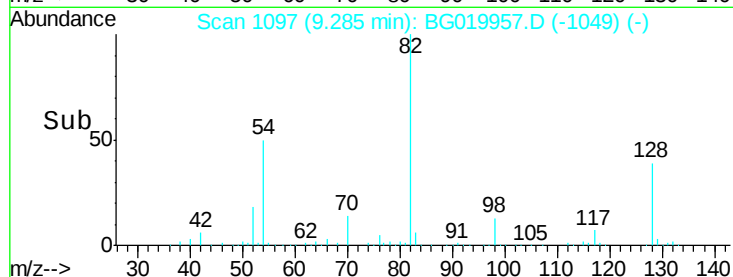
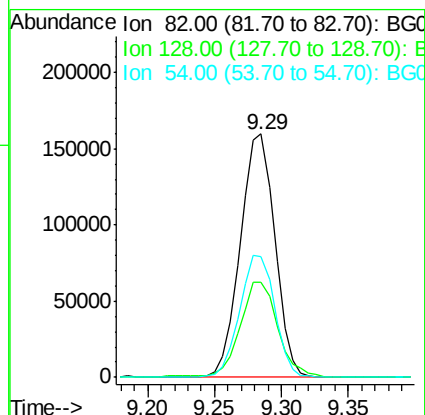
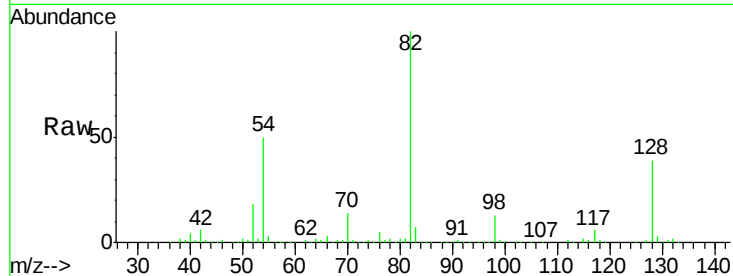




#23
 Nitrobenzene-d5
 Concen: 99.62 ng
 RT: 9.29 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

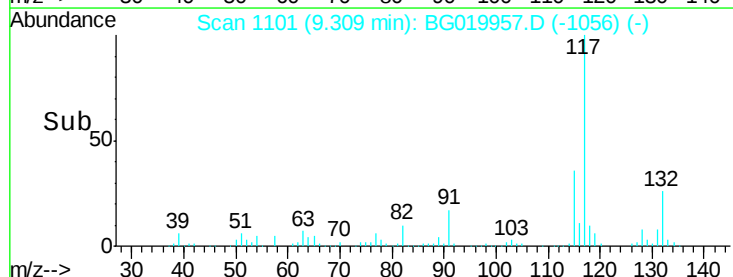
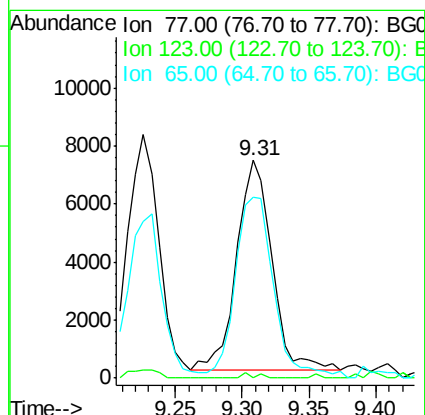
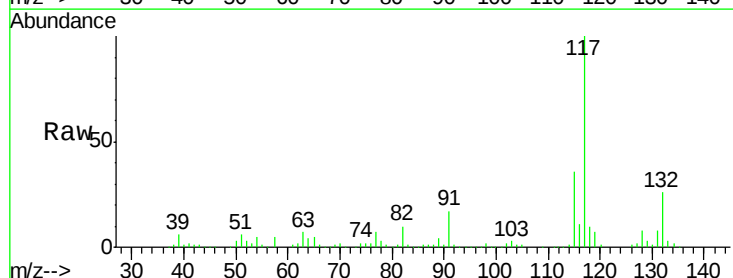
Instrument :
 BNA_G
 ClientSampleId :
 MW-11

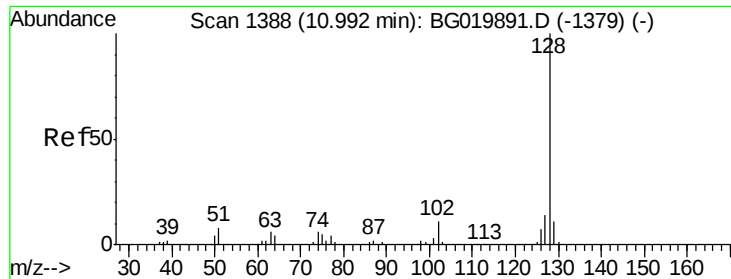
Tgt Ion: 82 Resp: 285222
 Ion Ratio Lower Upper
 82 100
 128 39.0 36.7 55.1
 54 49.7 33.8 50.8



#24
 Nitrobenzene
 Concen: 4.31 ng
 RT: 9.31 min Scan# 1101
 Delta R.T. -0.03 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

Tgt Ion: 77 Resp: 13401
 Ion Ratio Lower Upper
 77 100
 123 0.0 38.2 57.2#
 65 82.8 10.6 16.0#

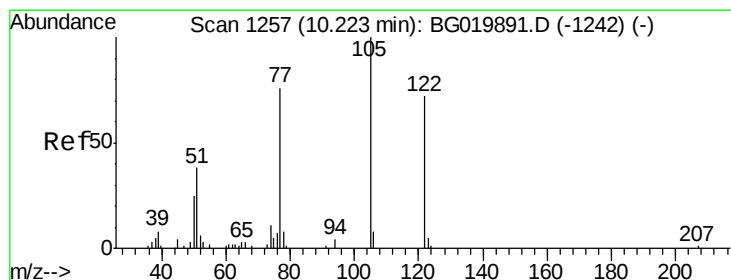
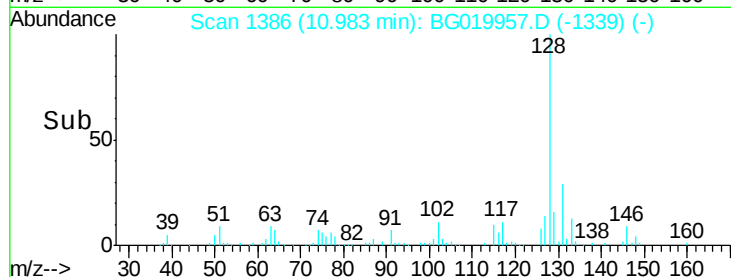
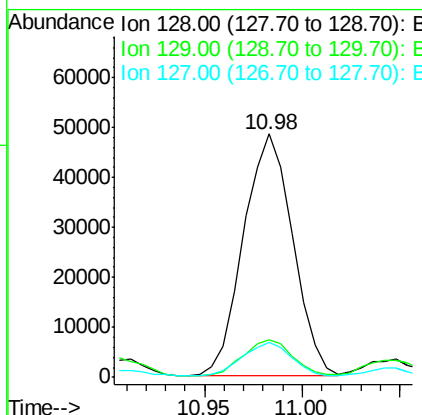
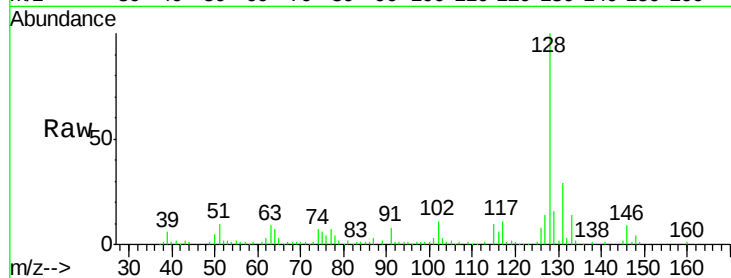




#31
Naphthalene
Concen: 10.85 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.02 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

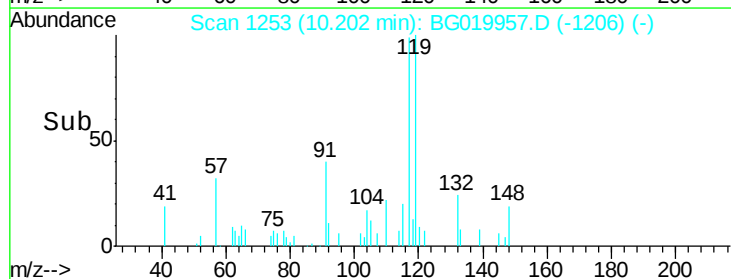
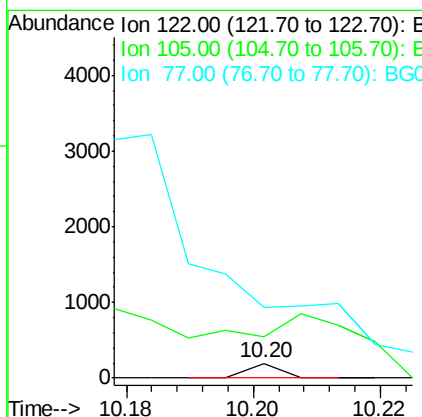
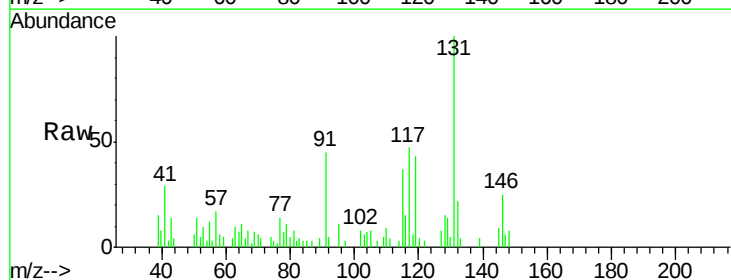
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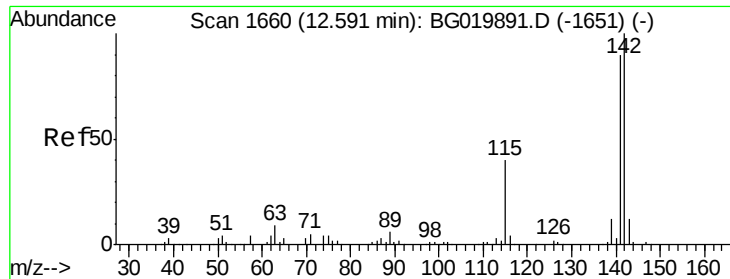
Tgt Ion:128 Resp: 84912
Ion Ratio Lower Upper
128 100
129 15.5 8.5 12.7#
127 14.2 10.6 16.0



#32
Benzoic acid
Concen: 6.04 ng
RT: 10.20 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

Tgt Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 286.0 103.8 143.8#
77 482.9 68.8 108.8#

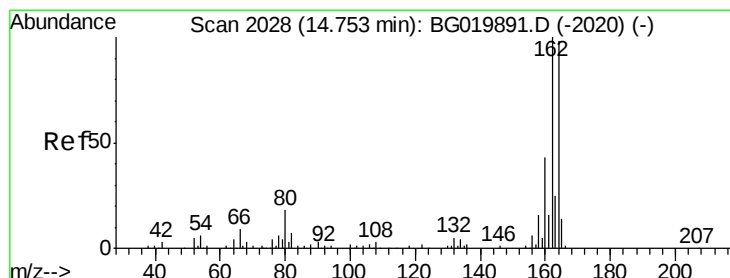
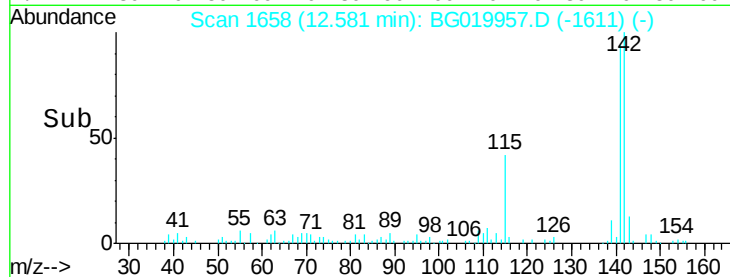
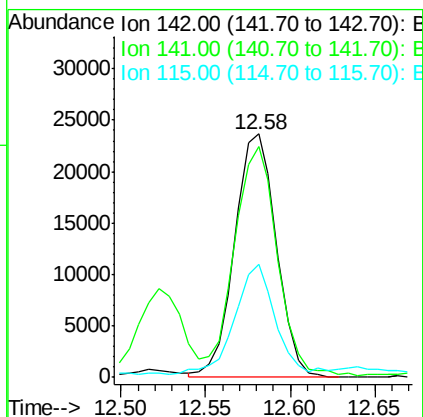
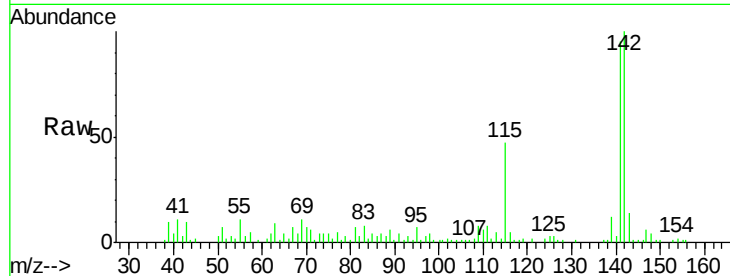




#37
 2-Methylnaphthalene
 Concen: 7.08 ng
 RT: 12.58 min Scan# 1658
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

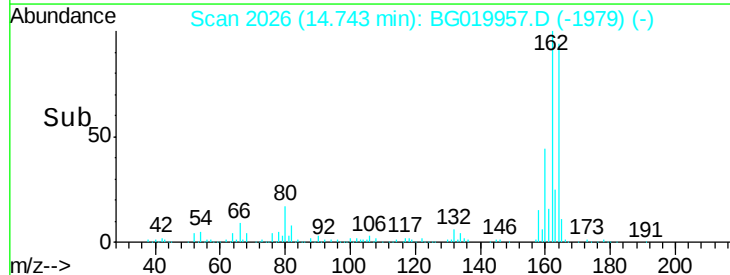
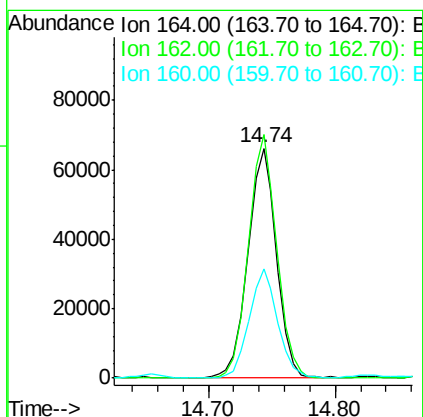
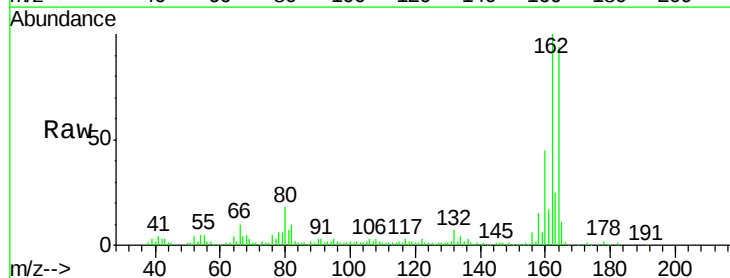
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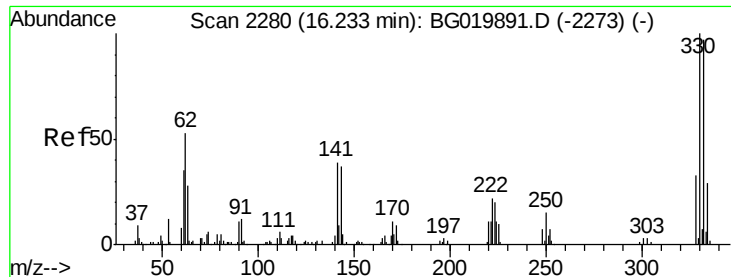
Tgt Ion:142 Resp: 40615
 Ion Ratio Lower Upper
 142 100
 141 95.0 74.6 112.0
 115 46.6 27.4 41.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.74 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

Tgt Ion:164 Resp: 102873
 Ion Ratio Lower Upper
 164 100
 162 105.9 78.8 118.2
 160 47.4 36.4 54.6

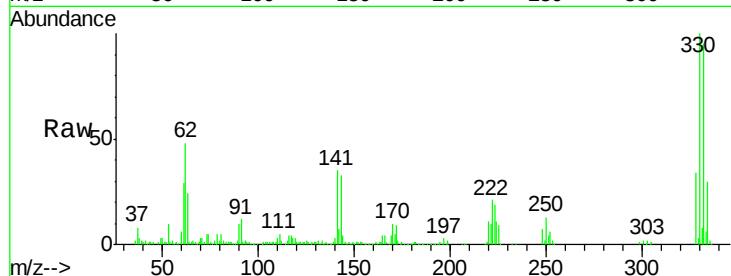




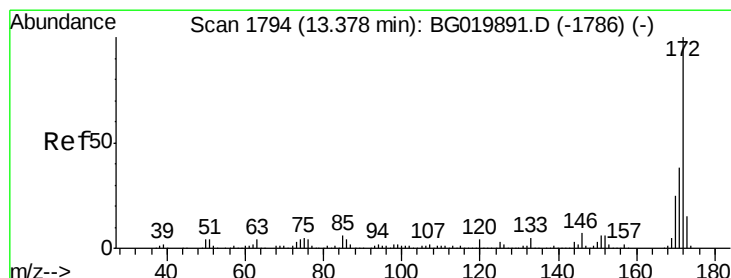
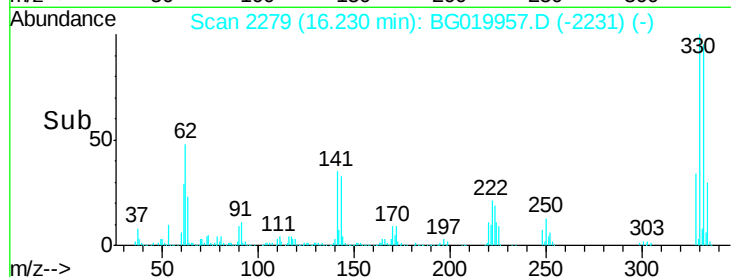
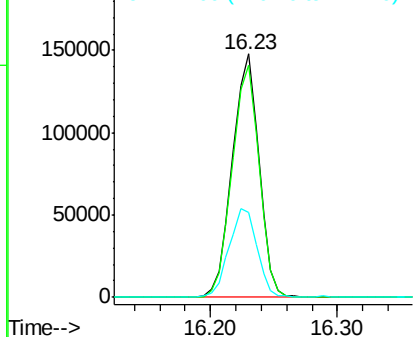
#41
 2,4,6-Tribromophenol
 Concen: 136.74 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

Instrument :
 BNA_G
 ClientSampleId :
 MW-11

Tgt Ion:330 Resp: 215239
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.1 117.1
 141 38.0 28.2 42.2

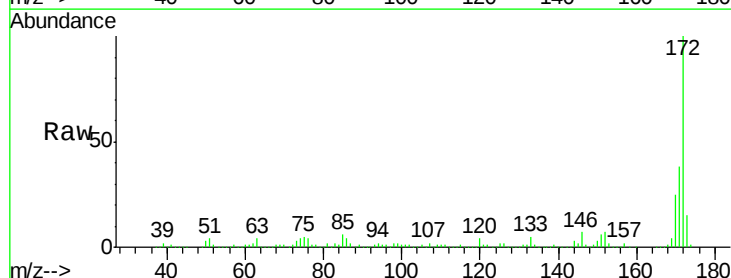


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

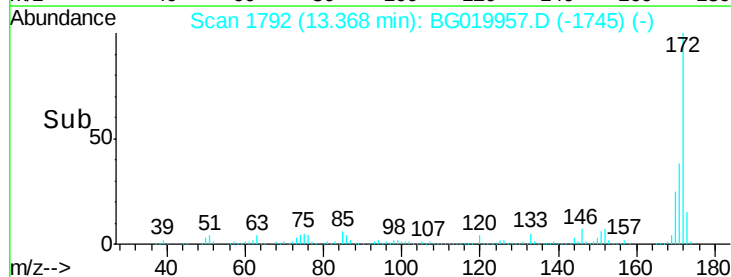
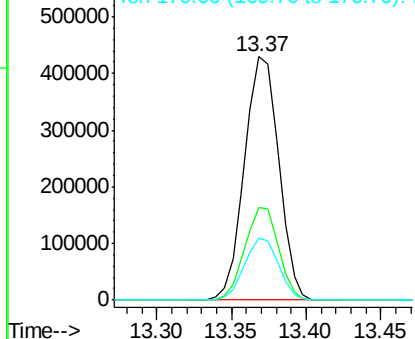


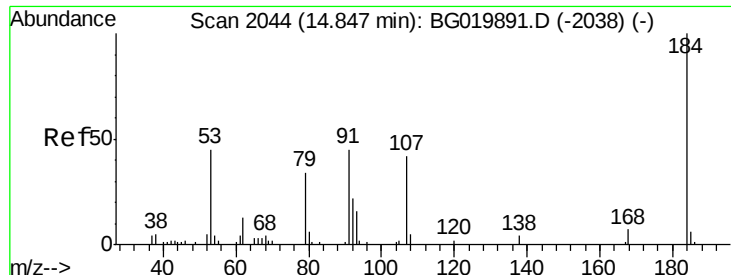
#44
 2-Fluorobiphenyl
 Concen: 90.66 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG019957.D
 Acq: 6 Dec 2015 00:44

Tgt Ion:172 Resp: 683018
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.0 43.6
 170 25.5 19.9 29.9



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

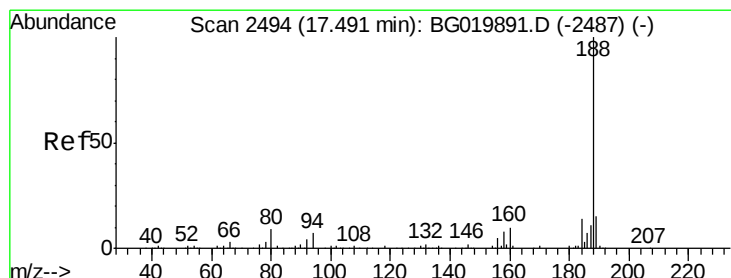
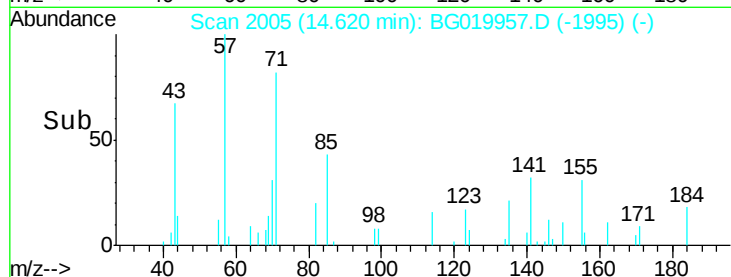
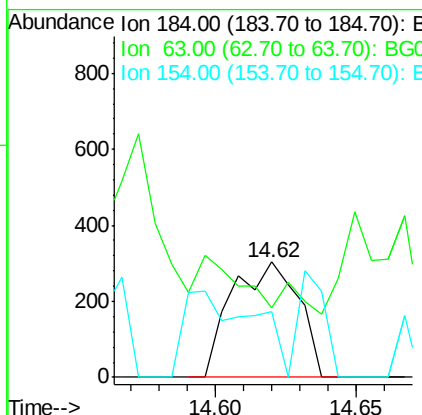
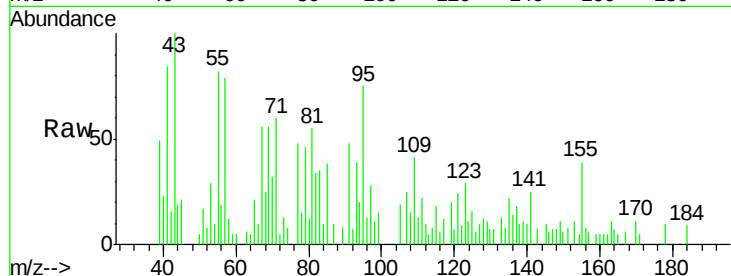




#53
2,4-Dinitrophenol
Concen: 9.74 ng
RT: 14.62 min Scan# 2005
Delta R.T. -0.24 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

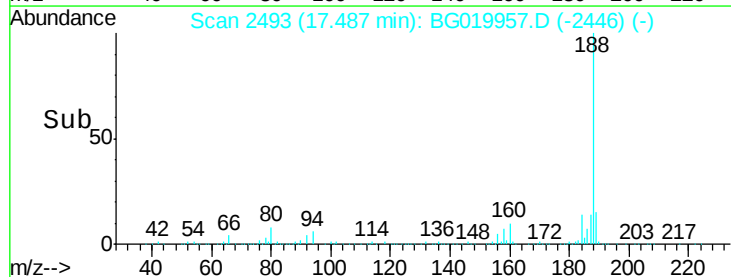
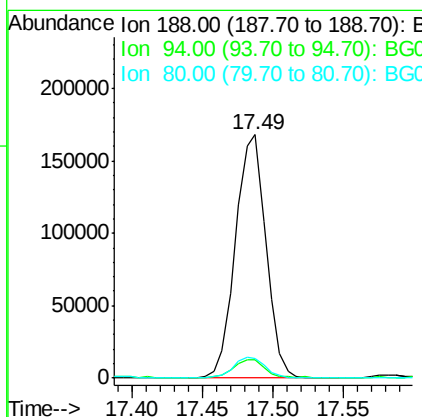
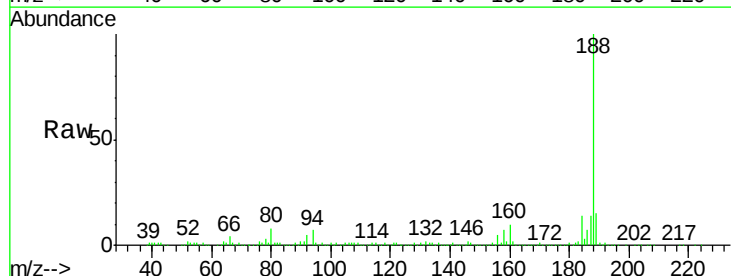
Instrument :
BNA_G
ClientSampleId :
MW-11

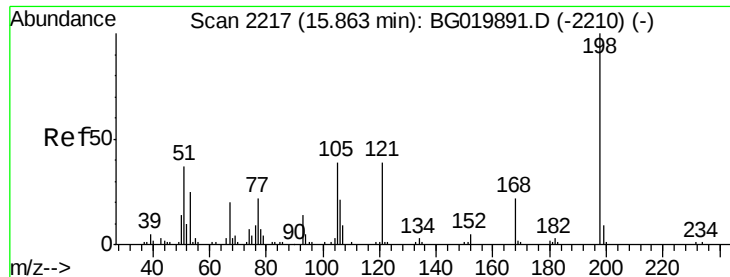
Tgt Ion:184 Resp: 497
Ion Ratio Lower Upper
184 100
63 59.9 42.7 64.1
154 56.6 44.3 66.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BG019957.D
Acq: 6 Dec 2015 00:44

Tgt Ion:188 Resp: 253417
Ion Ratio Lower Upper
188 100
94 7.3 7.7 11.5#
80 8.3 7.8 11.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.19 ng

RT: 15.92 min Scan# 2226

Delta R.T. 0.04 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

Instrument :

BNA_G

ClientSampled :

MW-11

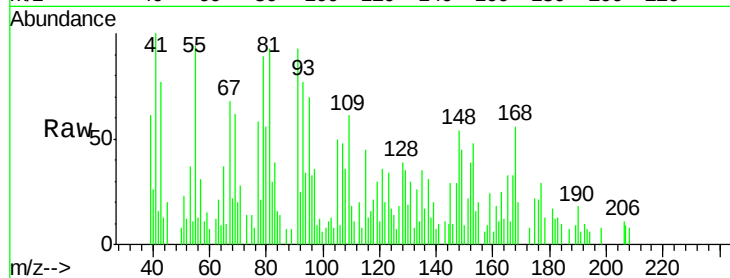
Tgt Ion:198 Resp: 135

Ion Ratio Lower Upper

198 100

51 273.9 14.2 54.2#

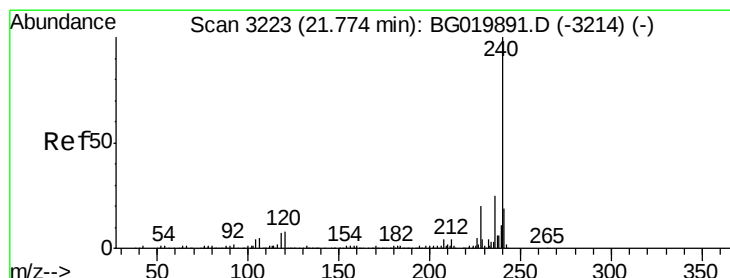
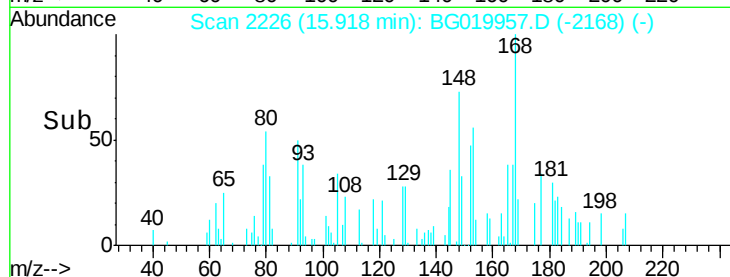
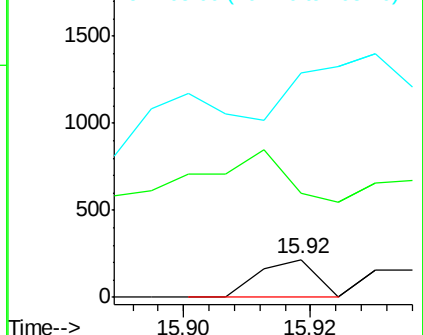
105 591.3 21.1 61.1#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG019891.D (-2210) (-)

Ion 105.00 (104.70 to 105.70): BG019891.D (-2210) (-)



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

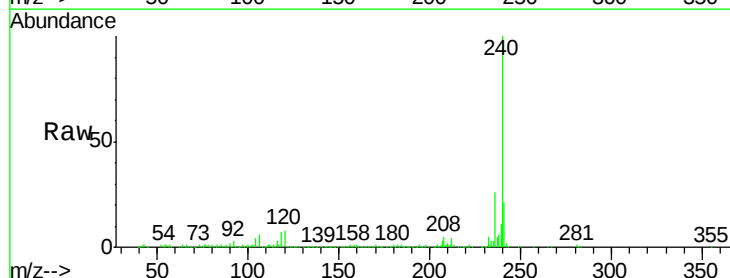
Tgt Ion:240 Resp: 308936

Ion Ratio Lower Upper

240 100

120 7.7 7.4 11.0

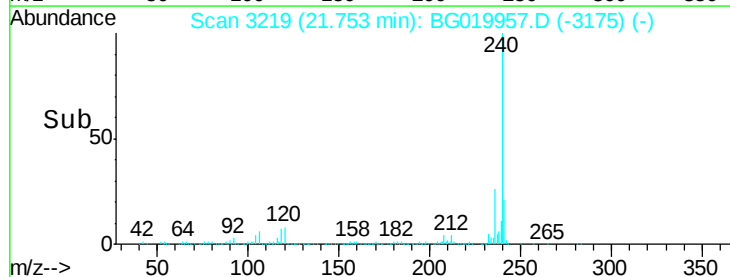
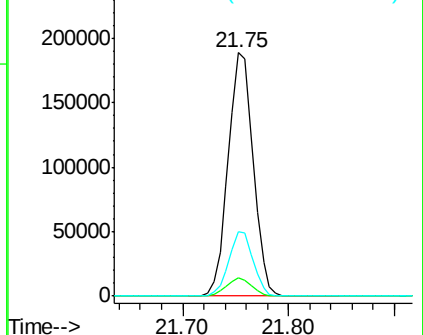
236 26.2 20.7 31.1

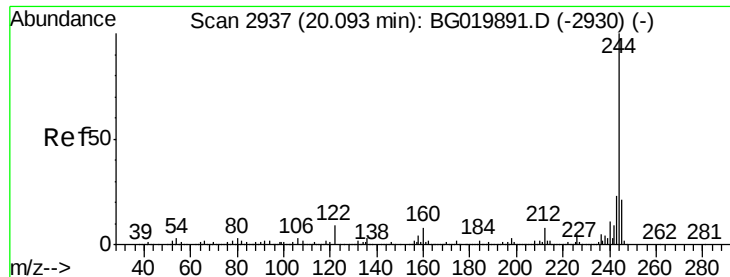


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): BG019891.D (-3214) (-)

Ion 236.00 (235.70 to 236.70): BG019891.D (-3214) (-)





#78

Terphenyl-d14

Concen: 86.00 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

Instrument :

BNA_G

ClientSampled :

MW-11

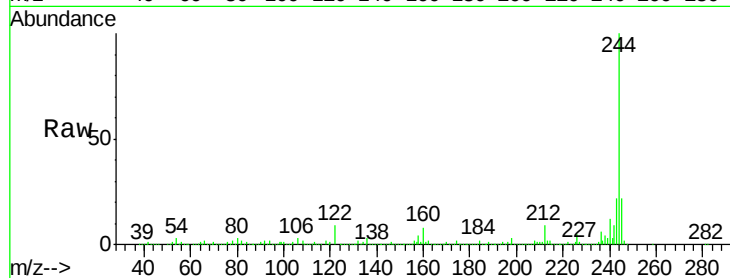
Tgt Ion:244 Resp: 1089188

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

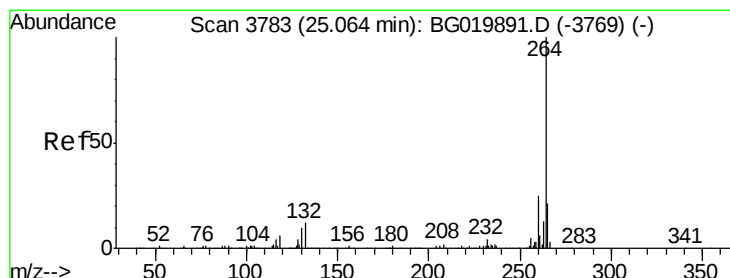
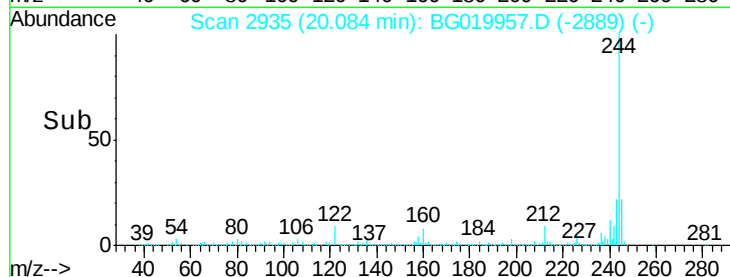
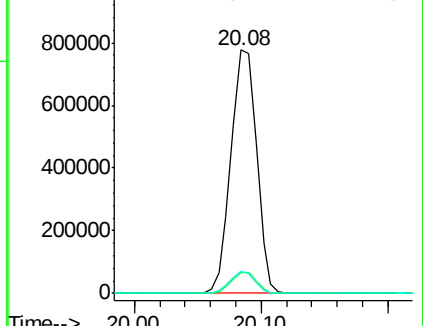
122 9.0 10.2 15.2#



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: 25.04 min Scan# 3778

Delta R.T. -0.06 min

Lab File: BG019957.D

Acq: 6 Dec 2015 00:44

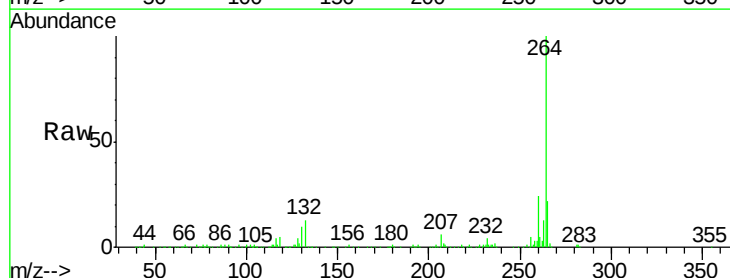
Tgt Ion:264 Resp: 292920

Ion Ratio Lower Upper

264 100

260 23.9 18.5 27.7

265 22.0 17.2 25.8



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

