

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
 Data File : BG020019.D
 Acq On : 8 Dec 2015 15:43
 Operator : UM/SJ
 Sample : G4684-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMP1

Quant Time: Dec 09 04:04:34 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

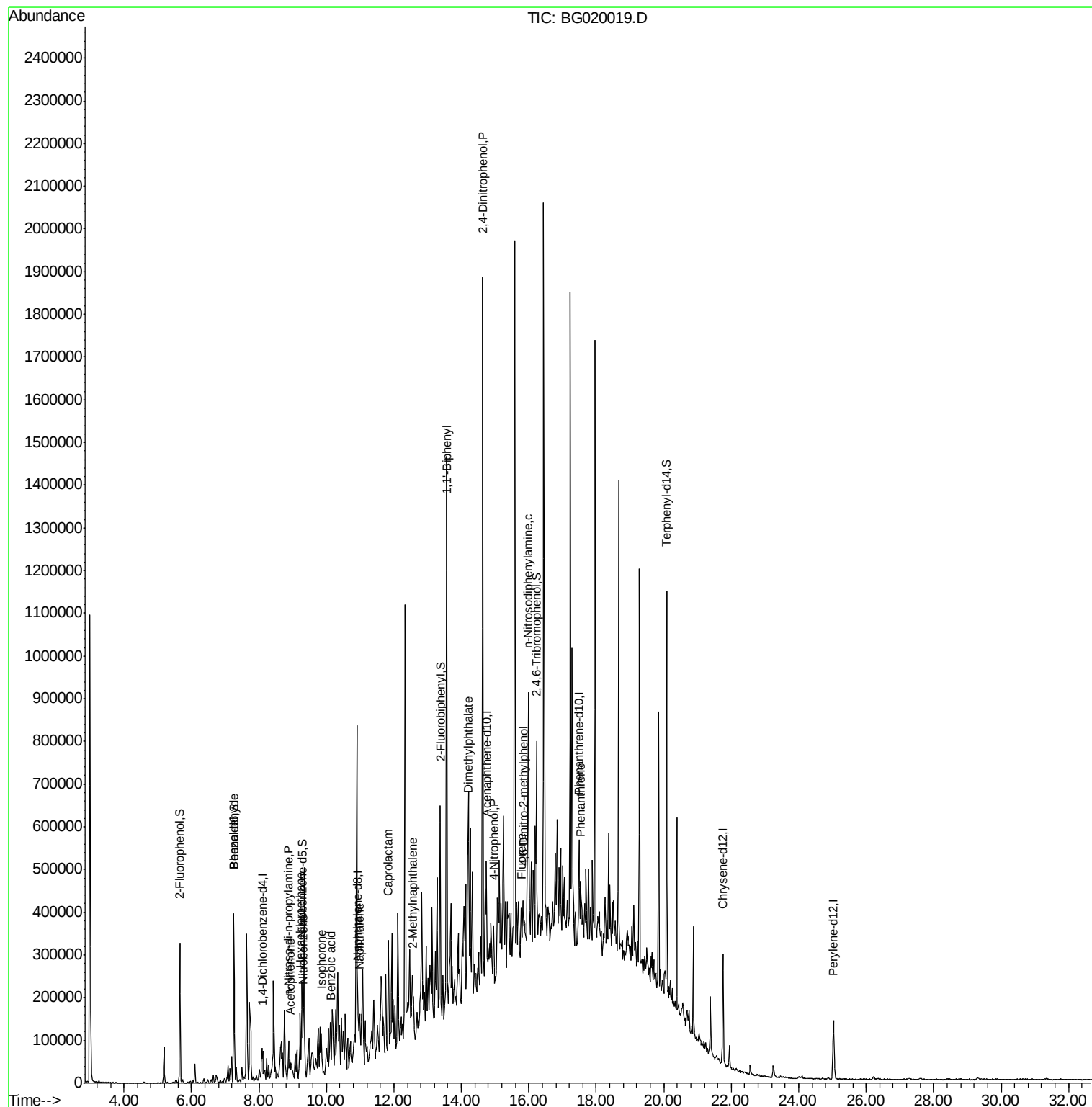
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	18896	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	77241	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	53017	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	121739	20.00	ng	-0.02
75) Chrysene-d12	21.75	240	154977	20.00	ng	-0.04
86) Perylene-d12	25.03	264	151747	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	131864	126.12	ng	-0.01
7) Phenol-d6	7.26	99	190683	120.80	ng	-0.01
23) Nitrobenzene-d5	9.28	82	127713	84.38	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	92669	114.24	ng	-0.01
44) 2-Fluorobiphenyl	13.37	172	254357	65.51	ng	-0.02
78) Terphenyl-d14	20.09	244	416268	65.52	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	7.25	77	2427	2.31	ng	# 1
18) Hexachloroethane	9.22	117	13643	24.41	ng	# 1
19) n-Nitroso-di-n-propylamine	8.87	70	3152	2.53	ng	# 39
22) Acetophenone	8.92	105	27134	12.82	ng	# 61
24) Nitrobenzene	9.31	77	3979	2.42	ng	# 23
25) Isophorone	9.84	82	9387	2.89	ng	# 1
31) Naphthalene	10.98	128	23386	5.65	ng	# 78
32) Benzoic acid	10.14	122	202	6.20	ng	# 1
35) Caprolactam	11.83	113	2926	5.83	ng	# 1
37) 2-Methylnaphthalene	12.58	142	51032	16.83	ng	# 94
45) 1,1'-Biphenyl	13.58	154	14938	3.43	ng	# 90
49) Dimethylphthalate	14.19	163	68855	14.44	ng	# 97
53) 2,4-Dinitrophenol	14.63	184	309	9.84	ng	# 1
55) 4-Nitrophenol	14.95	139	4399	5.42	ng	# 44
57) Fluorene	15.79	166	11219	2.43	ng	# 72
64) 4,6-Dinitro-2-methylphenol	15.84	198	190	6.35	ng	# 1
65) n-Nitrosodiphenylamine	15.99	169	21751	6.17	ng	# 49
70) Phenanthrene	17.53	178	14392	2.09	ng	# 87

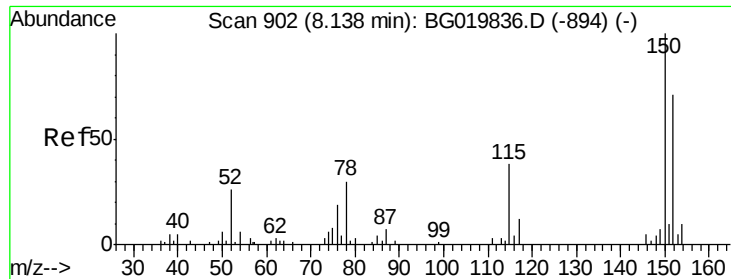
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.03 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

Instrument :

BNA_F

ClientSampleId :

SP1-COMP1

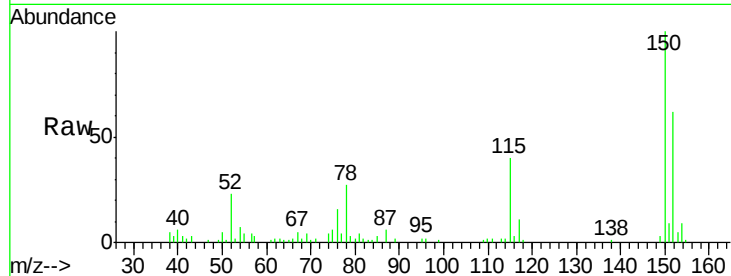
Tgt Ion:152 Resp: 18896

Ion Ratio Lower Upper

152 100

150 162.3 115.0 172.4

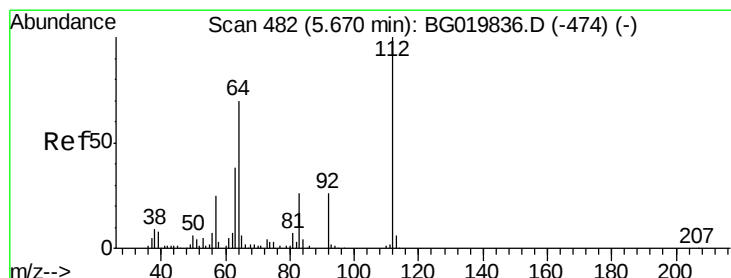
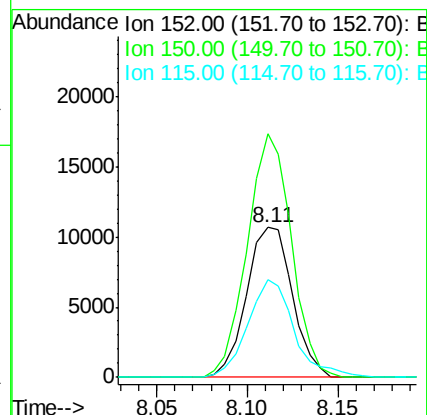
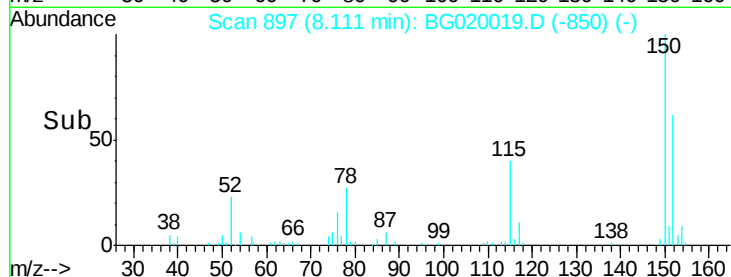
115 64.8 43.9 65.9



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: 126.12 ng

RT: 5.66 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

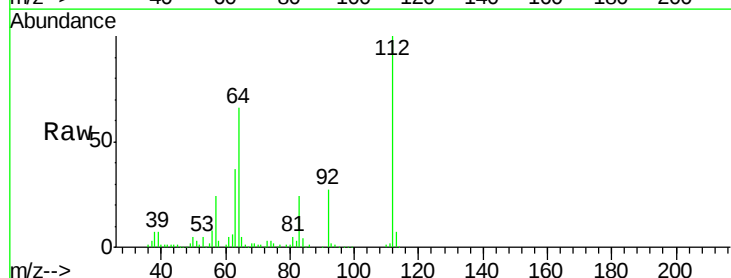
Tgt Ion:112 Resp: 131864

Ion Ratio Lower Upper

112 100

64 66.0 43.7 65.5#

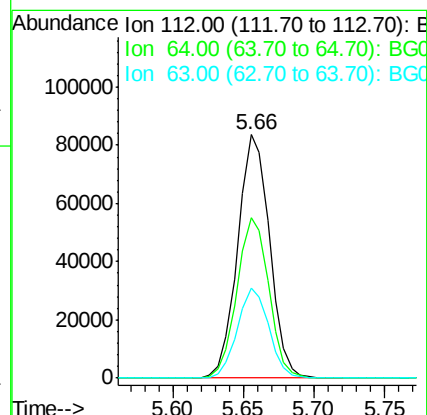
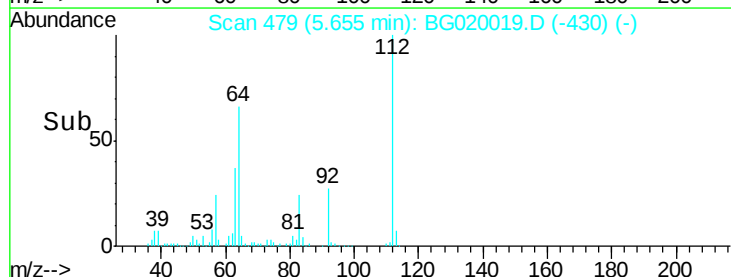
63 36.7 24.0 36.0#

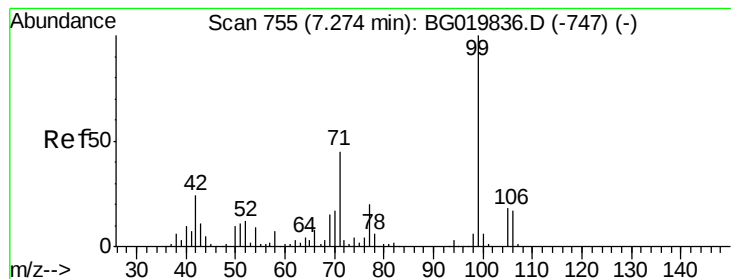


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.80 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.01 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

Instrument :

BNA_F

ClientSampleId :

SP1-COMP1

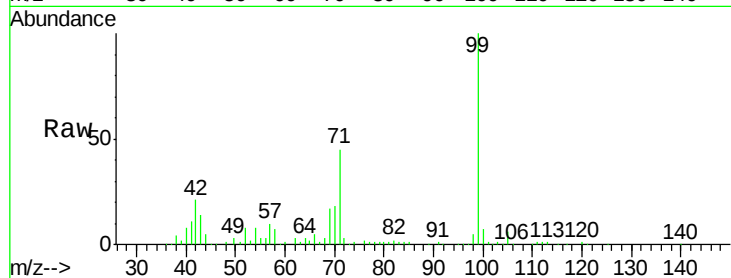
Tgt Ion: 99 Resp: 190683

Ion Ratio Lower Upper

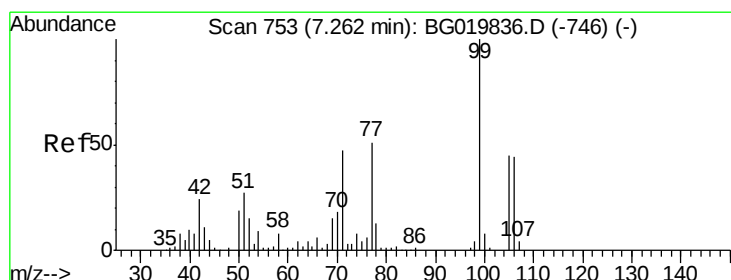
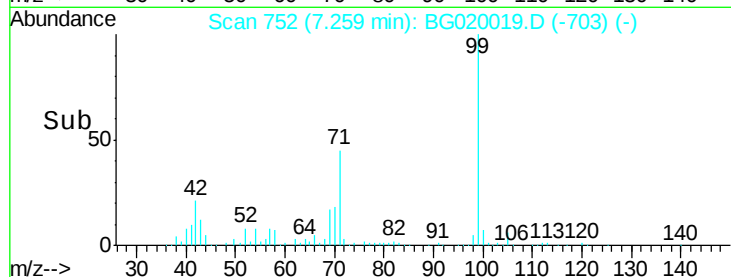
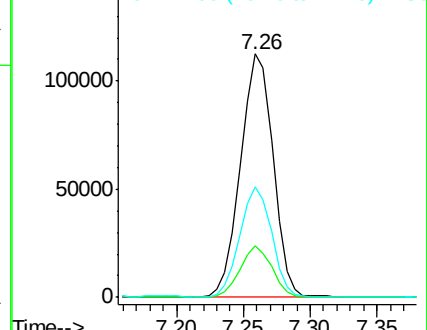
99 100

42 21.0 11.5 17.3#

71 45.3 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: 2.31 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.01 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

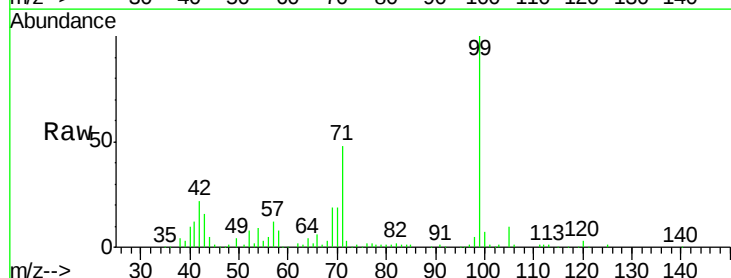
Tgt Ion: 77 Resp: 2427

Ion Ratio Lower Upper

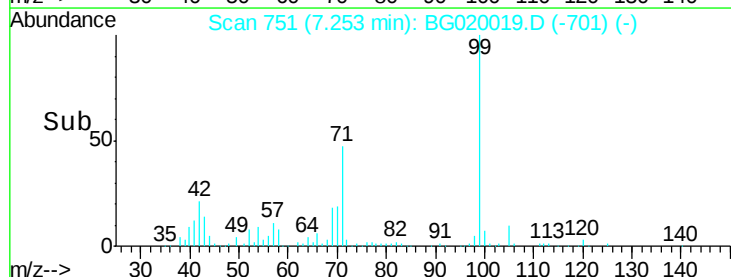
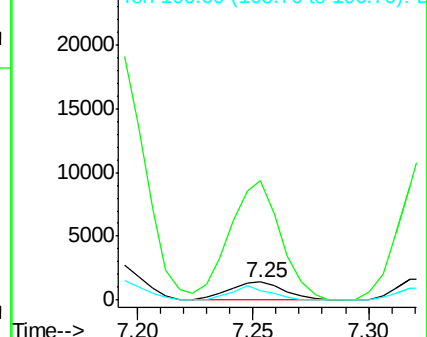
77 100

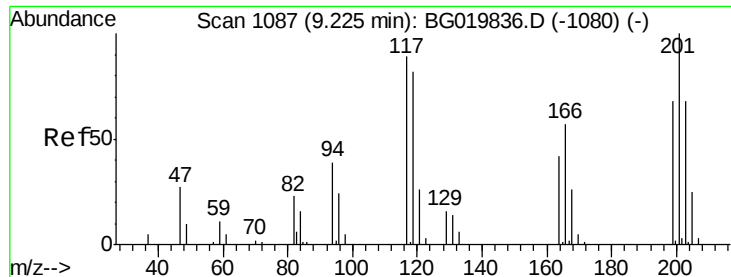
105 654.6 77.7 117.7#

106 48.4 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

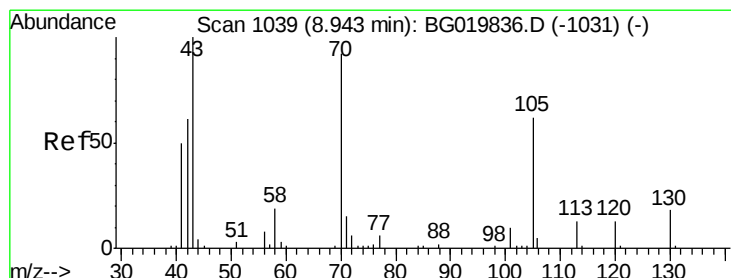
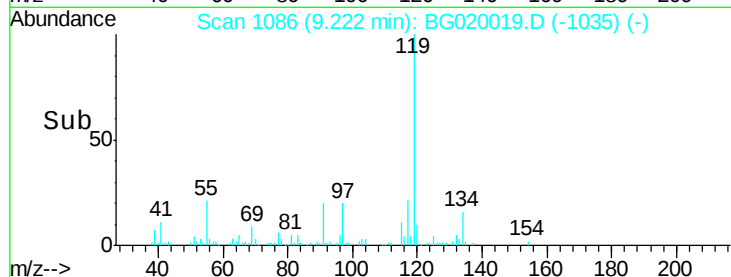
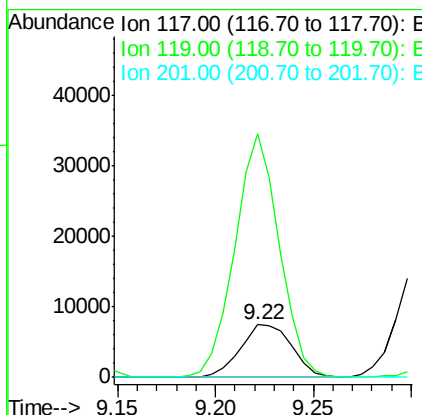
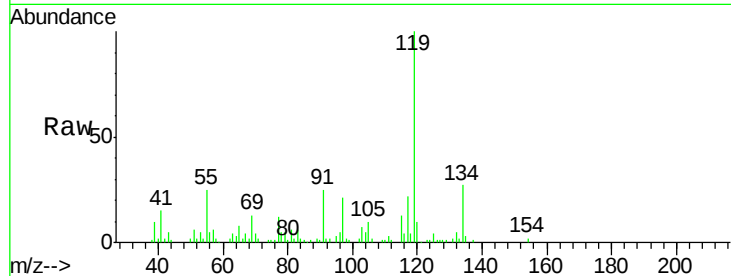




#18
Hexachloroethane
Concen: 24.41 ng
RT: 9.22 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

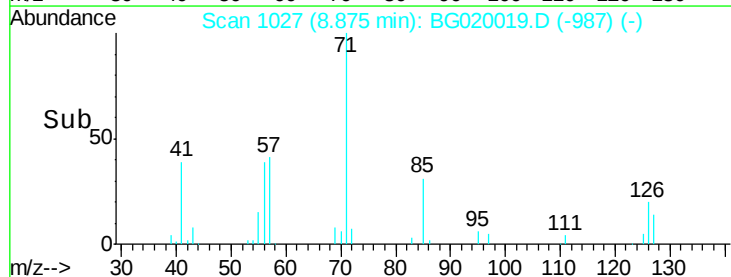
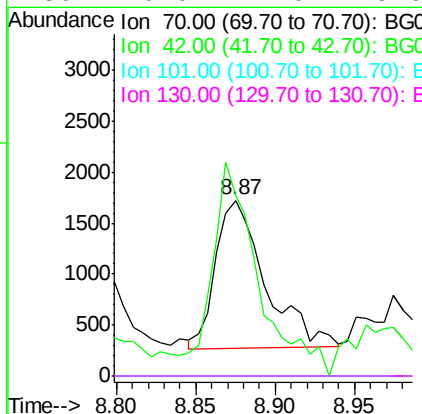
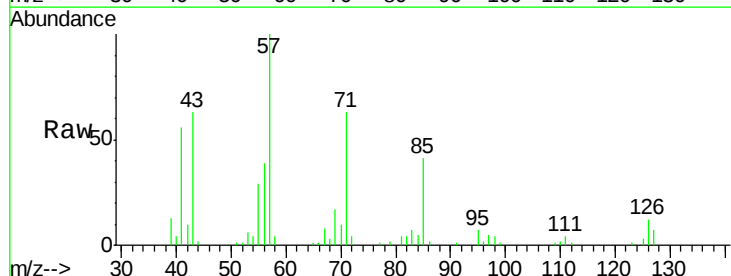
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

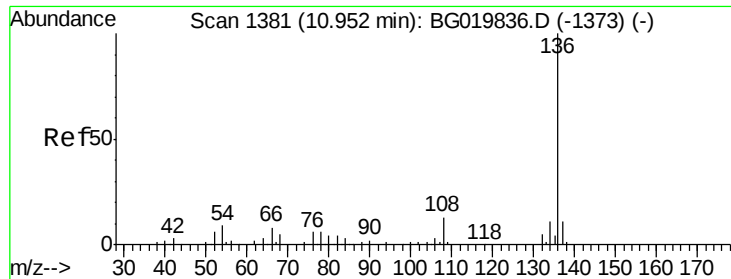
Tgt Ion: 117 Resp: 13643
Ion Ratio Lower Upper
117 100
119 463.0 71.7 107.5#
201 0.0 90.9 136.3#



#19
n-Nitroso-di-n-propylamine
Concen: 2.53 ng
RT: 8.87 min Scan# 1027
Delta R.T. -0.07 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion: 70 Resp: 3152
Ion Ratio Lower Upper
70 100
42 102.6 40.6 60.8#
101 0.0 8.6 13.0#
130 0.0 17.0 25.6#

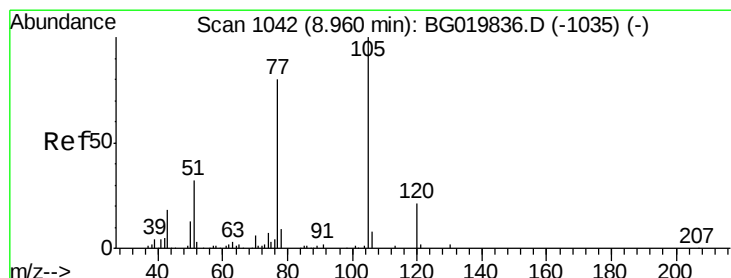
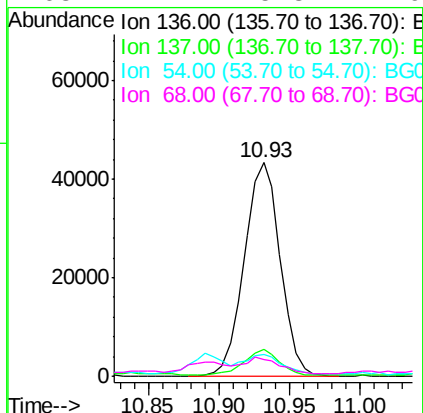
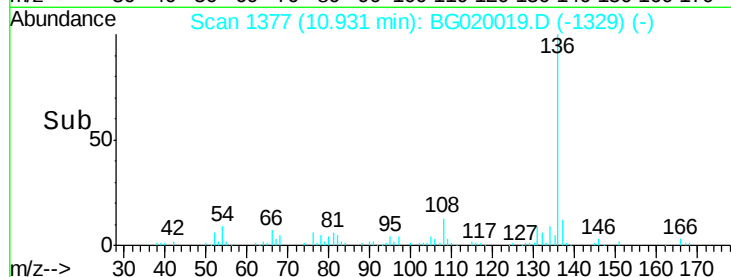
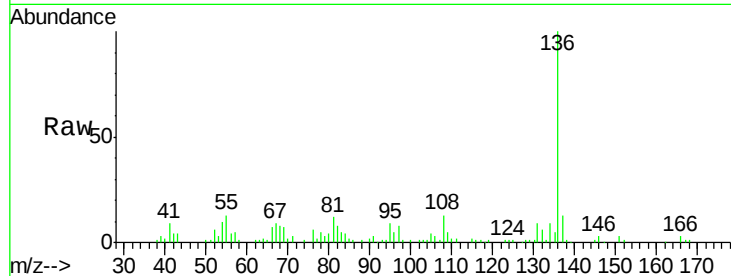




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

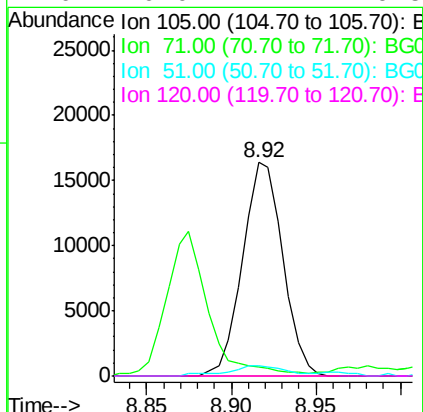
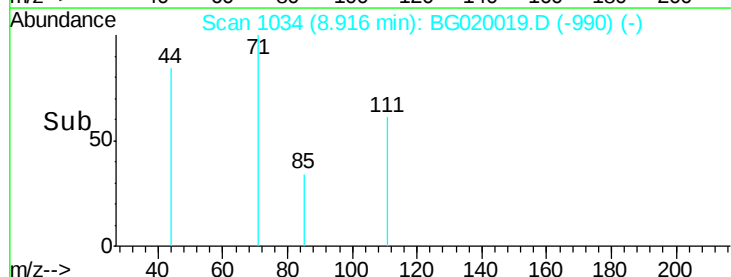
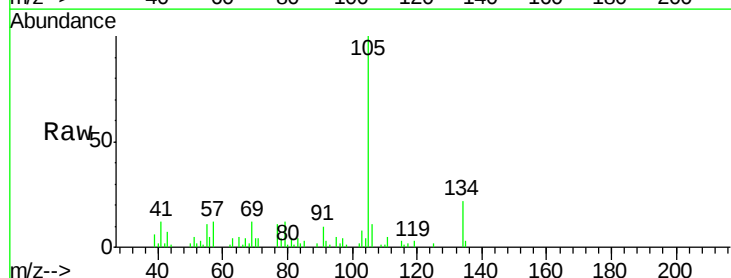
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

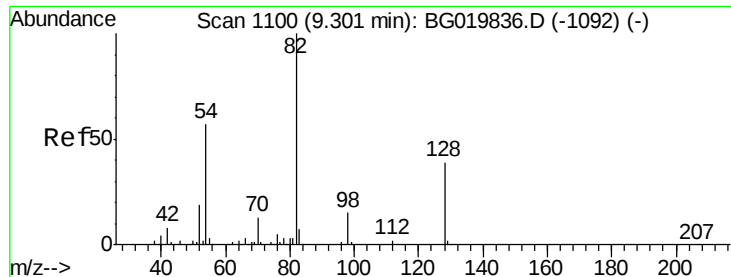
Tgt Ion:	136	Resp:	77241
Ion	Ratio	Lower	Upper
136	100		
137	12.7	8.6	12.8
54	10.0	5.4	8.2#
68	7.7	5.3	7.9



#22
Acetophenone
Concen: 12.82 ng
RT: 8.92 min Scan# 1034
Delta R.T. -0.04 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion:	105	Resp:	27134
Ion	Ratio	Lower	Upper
105	100		
71	4.1	2.1	3.1#
51	4.9	17.8	26.8#
120	0.0	17.7	26.5#

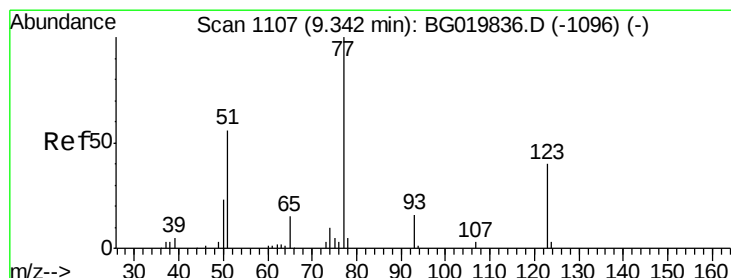
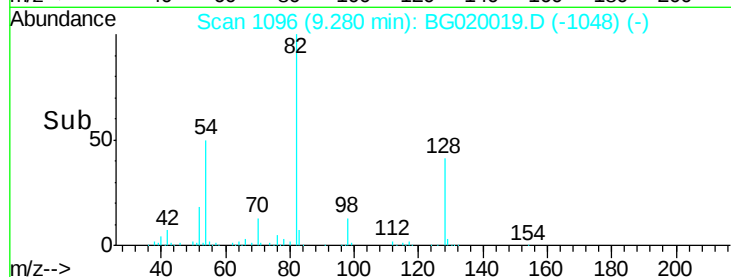
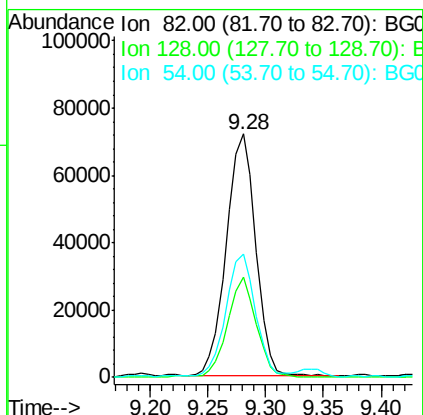
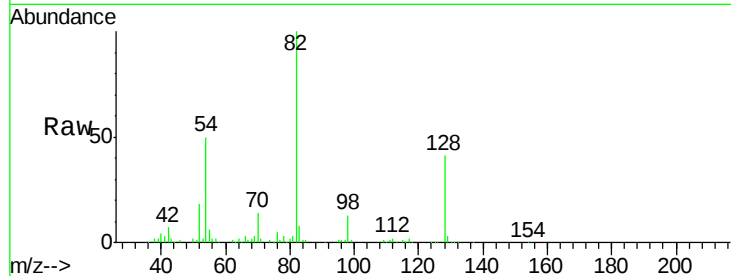




#23
Nitrobenzene-d5
Concen: 84.38 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

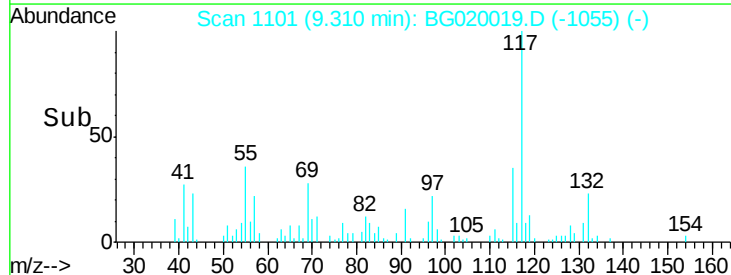
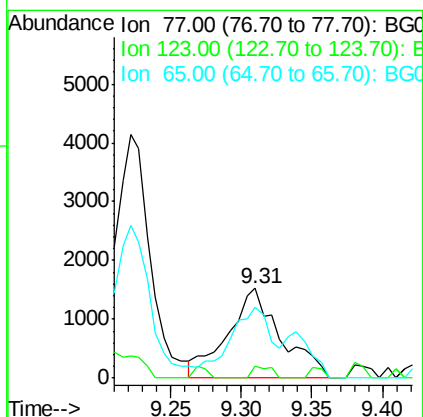
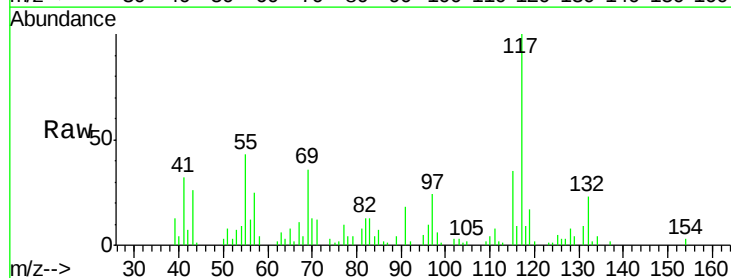
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

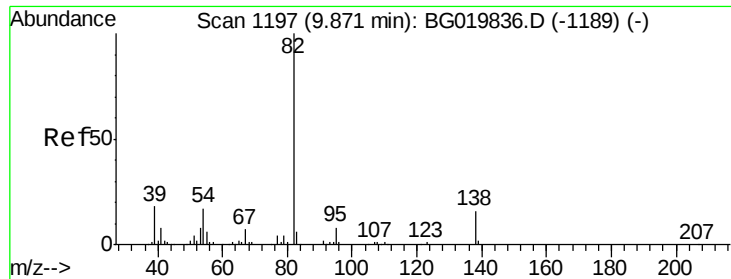
Tgt Ion: 82 Resp: 127713
Ion Ratio Lower Upper
82 100
128 41.0 36.7 55.1
54 50.5 33.8 50.8



#24
Nitrobenzene
Concen: 2.42 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.03 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion: 77 Resp: 3979
Ion Ratio Lower Upper
77 100
123 12.8 38.2 57.2#
65 79.7 10.6 16.0#





#25

Isophorone

Concen: 2.89 ng

RT: 9.84 min Scan# 1192

Delta R.T. -0.03 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

Instrument :

BNA_F

ClientSampleId :

SP1-COMP1

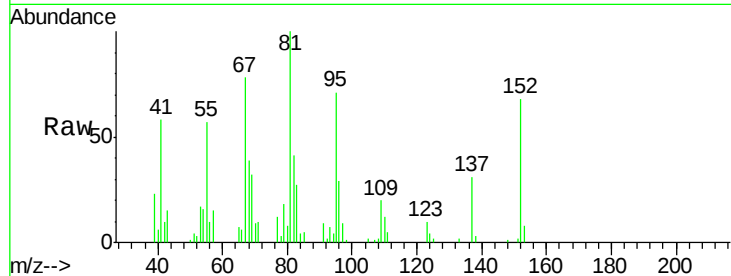
Tgt Ion: 82 Resp: 9387

Ion Ratio Lower Upper

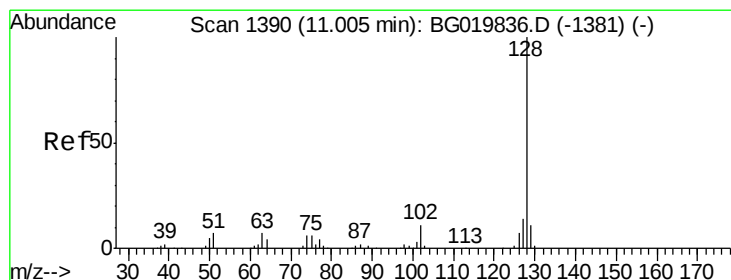
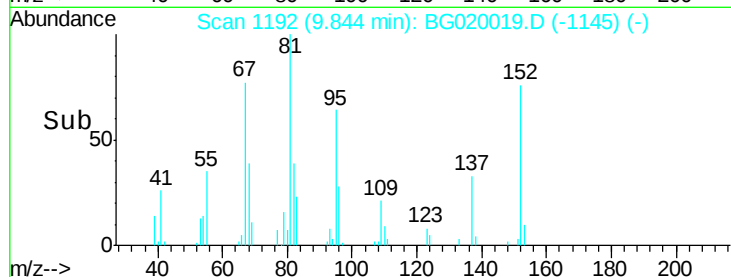
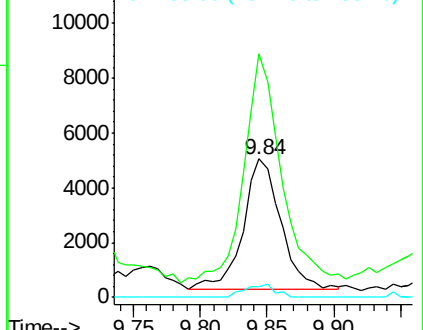
82 100

95 176.1 5.2 7.8#

138 8.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#31

Naphthalene

Concen: 5.65 ng

RT: 10.98 min Scan# 1386

Delta R.T. -0.02 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

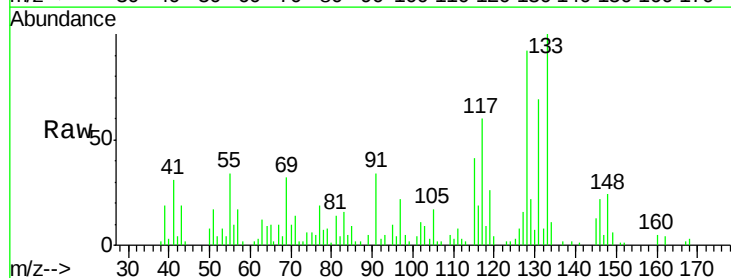
Tgt Ion: 128 Resp: 23386

Ion Ratio Lower Upper

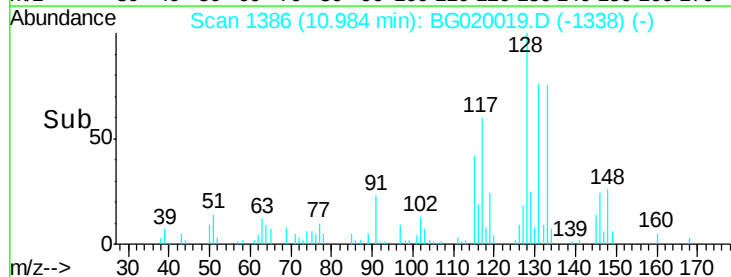
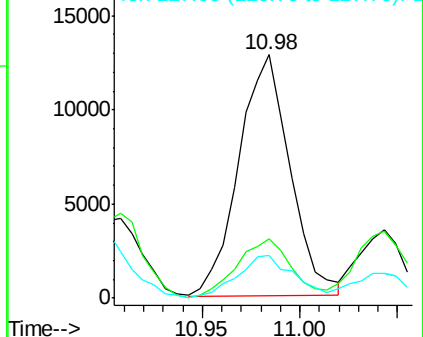
128 100

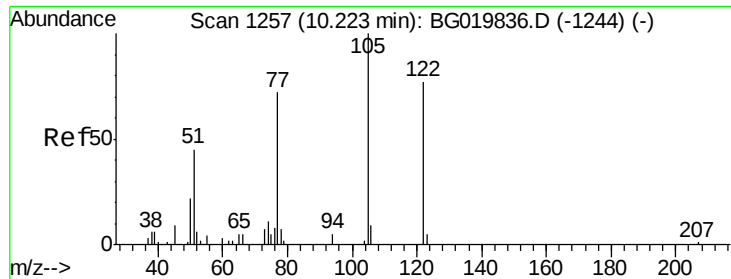
129 24.2 8.5 12.7#

127 17.7 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

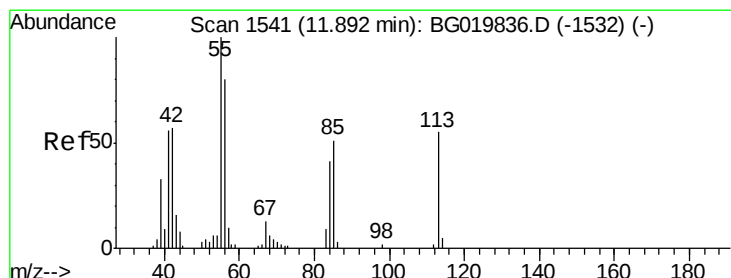
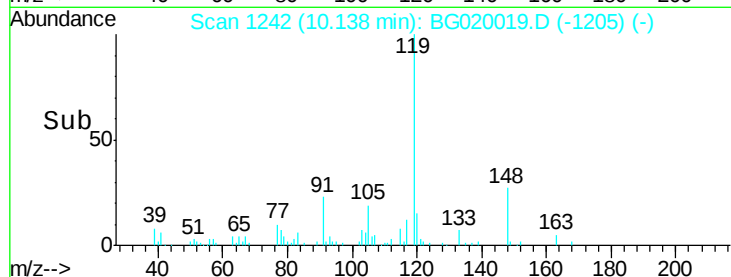
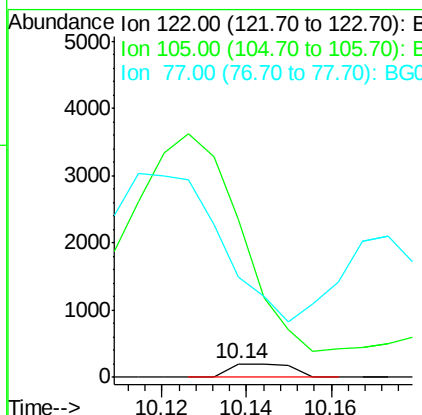
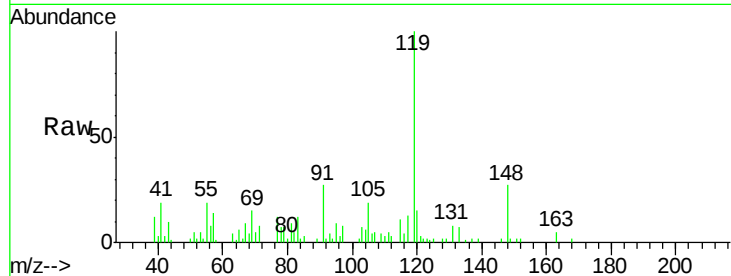




#32
Benzoic acid
Concen: 6.20 ng
RT: 10.14 min Scan# 1242
Delta R.T. -0.08 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

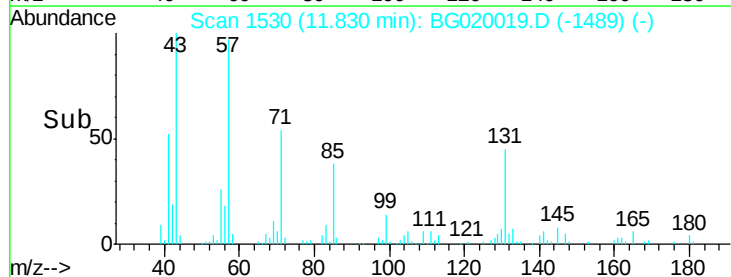
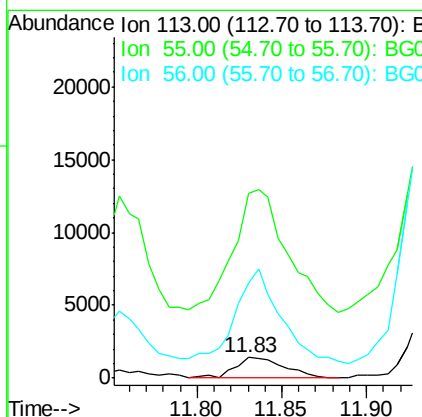
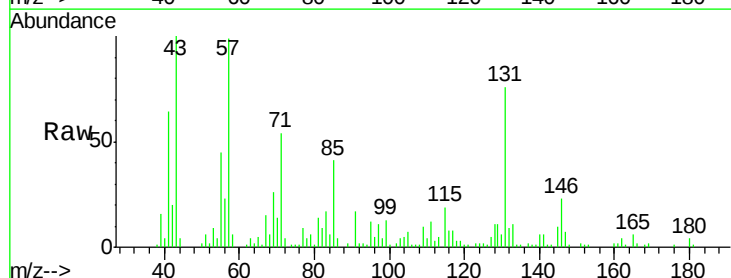
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

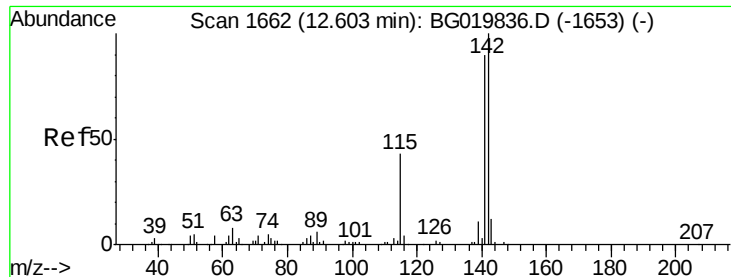
Tgt Ion:122 Resp: 202
Ion Ratio Lower Upper
122 100
105 1187.9 103.8 143.8#
77 750.5 68.8 108.8#



#35
Caprolactam
Concen: 5.83 ng
RT: 11.83 min Scan# 1530
Delta R.T. -0.06 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion:113 Resp: 2926
Ion Ratio Lower Upper
113 100
55 908.8 135.0 175.0#
56 466.3 83.4 123.4#

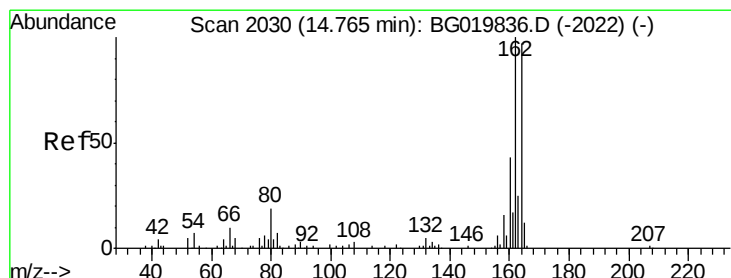
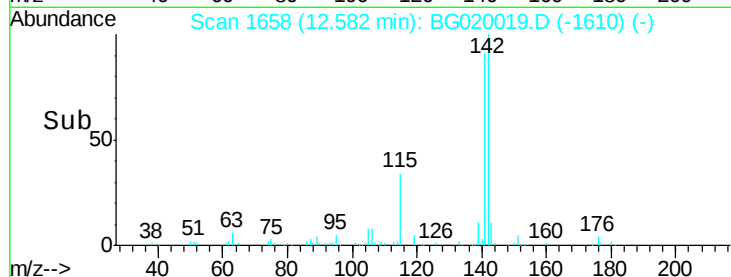
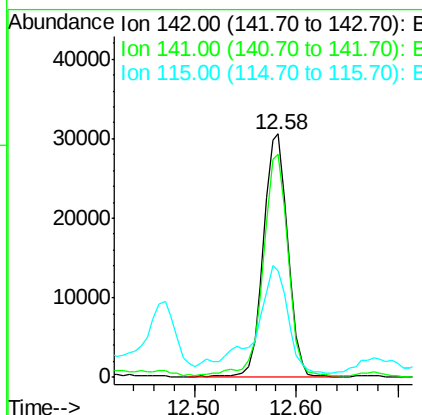
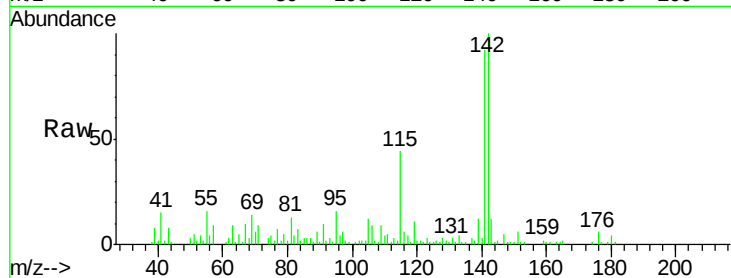




#37
2-Methylnaphthalene
Concen: 16.83 ng
RT: 12.58 min Scan# 1658
Delta R.T. -0.02 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

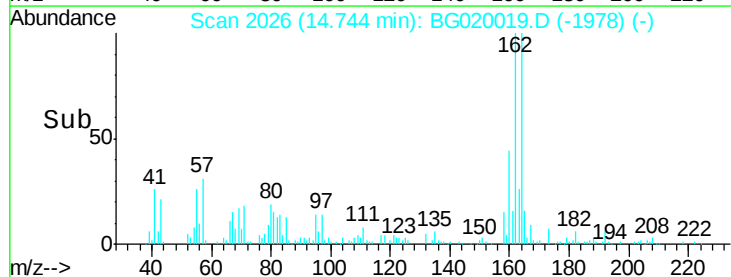
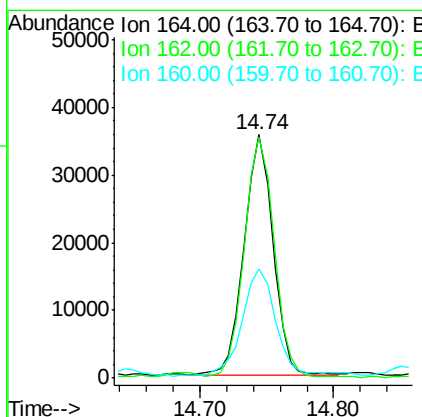
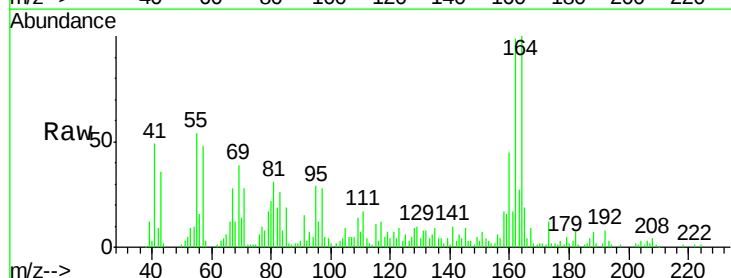
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

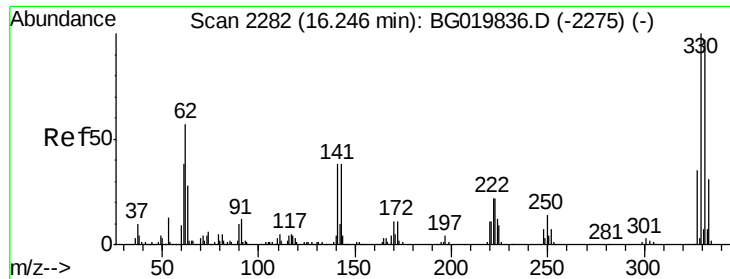
Tgt Ion:142 Resp: 51032
Ion Ratio Lower Upper
142 100
141 91.8 74.6 112.0
115 43.8 27.4 41.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion:164 Resp: 53017
Ion Ratio Lower Upper
164 100
162 99.1 78.8 118.2
160 44.7 36.4 54.6

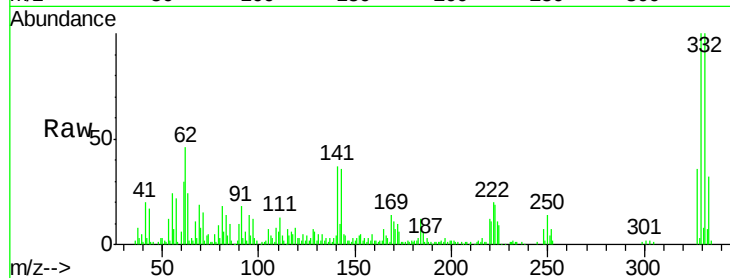




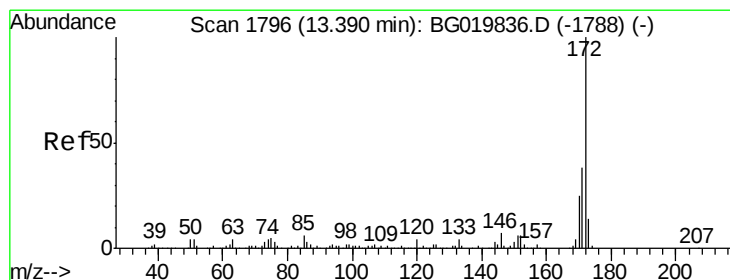
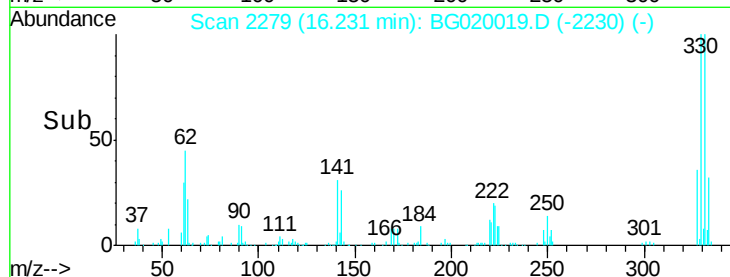
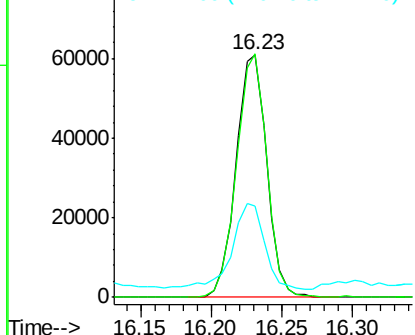
#41
 2,4,6-Tribromophenol
 Concen: 114.24 ng
 RT: 16.23 min Scan# 2279
 Delta R.T. -0.01 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMP1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.6	78.1	117.1
141	38.0	28.2	42.2

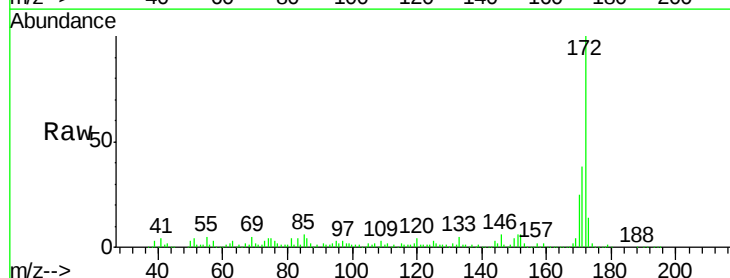


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

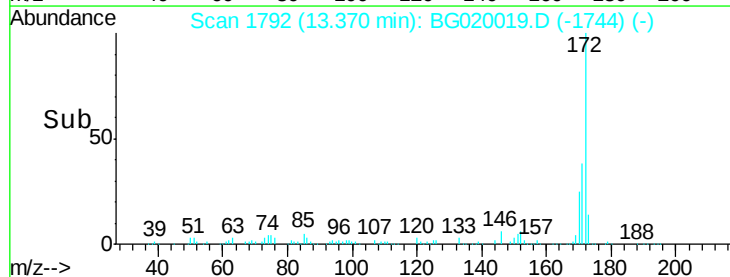
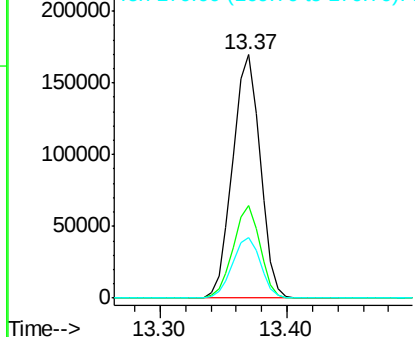


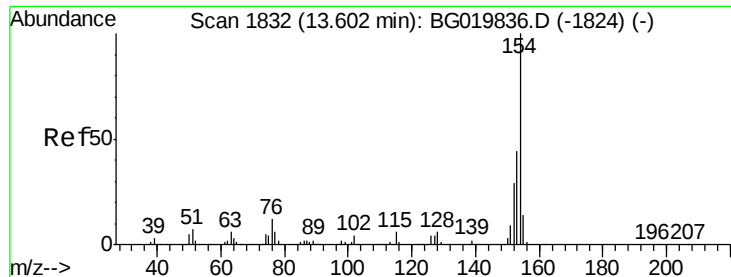
#44
 2-Fluorobiphenyl
 Concen: 65.51 ng
 RT: 13.37 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.0	43.6
170	25.0	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

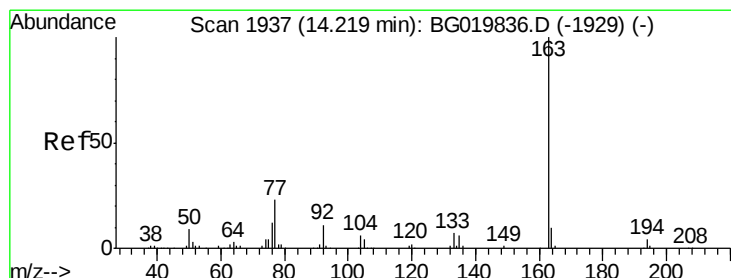
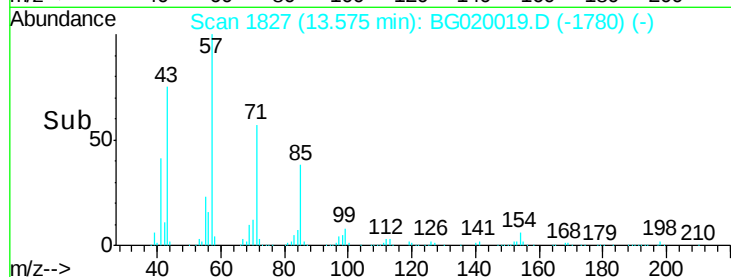
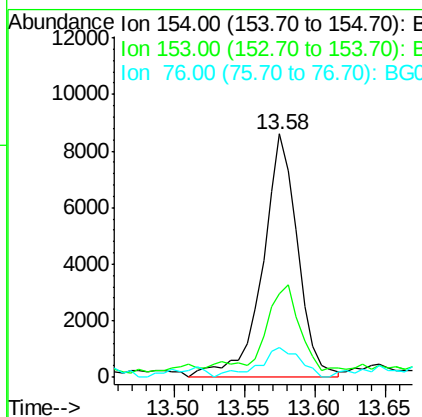
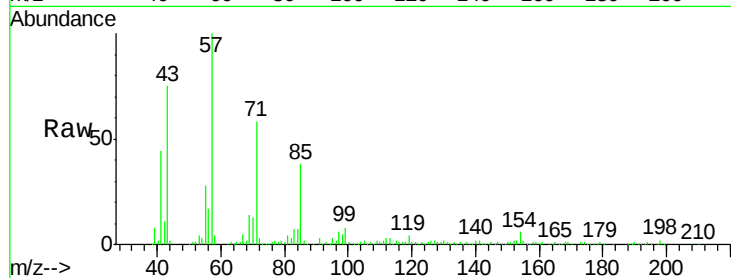




#45
1,1'-Biphenyl
Concen: 3.43 ng
RT: 13.58 min Scan# 1827
Delta R.T. -0.03 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

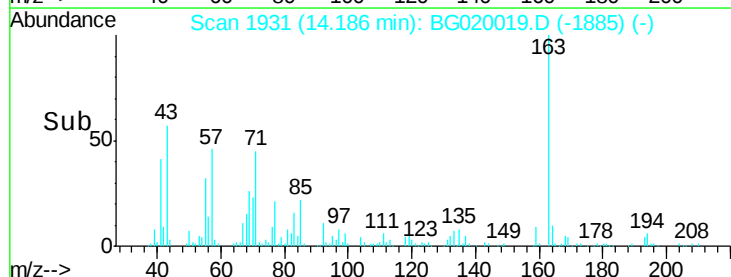
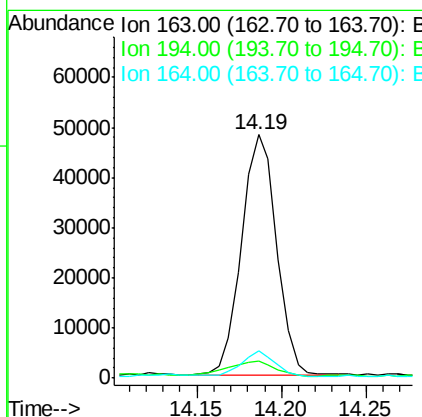
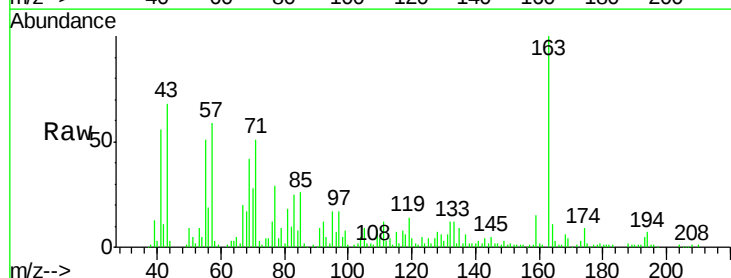
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

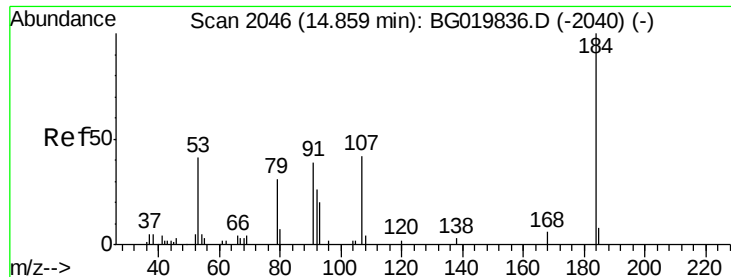
Tgt Ion	Ratio	Lower	Upper
154	100		
153	34.3	21.9	61.9
76	12.1	0.0	33.2



#49
Dimethylphthalate
Concen: 14.44 ng
RT: 14.19 min Scan# 1931
Delta R.T. -0.03 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.2	3.1	4.7#
164	11.0	8.8	13.2

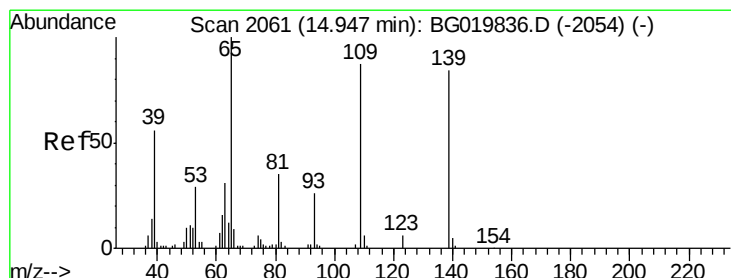
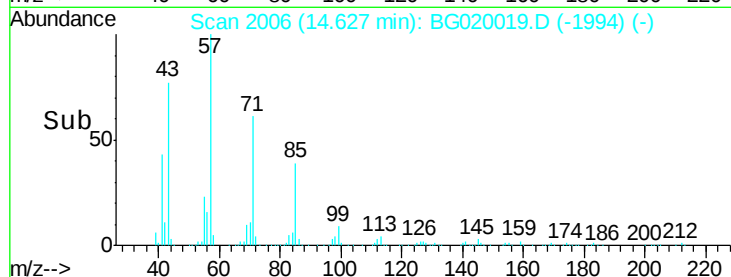
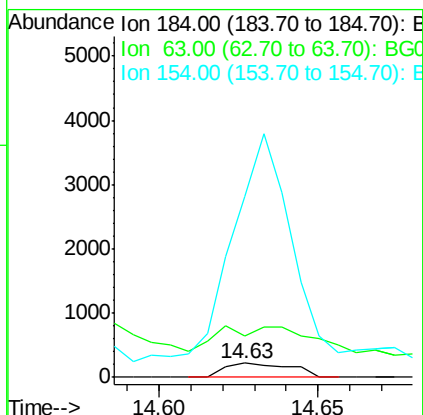
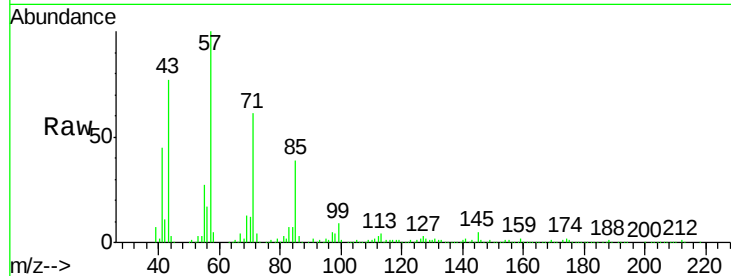




#53
2,4-Dinitrophenol
Concen: 9.84 ng
RT: 14.63 min Scan# 2006
Delta R.T. -0.23 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

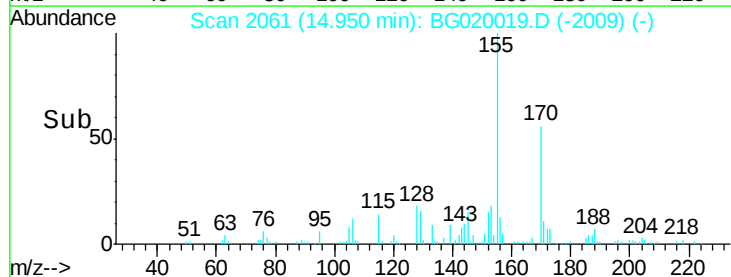
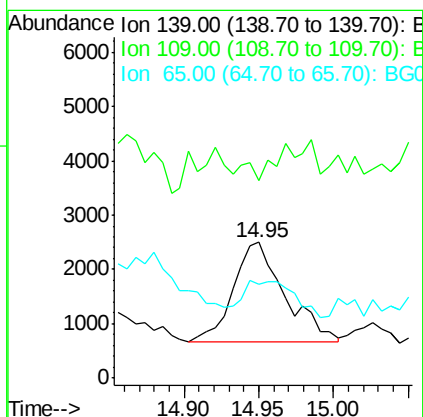
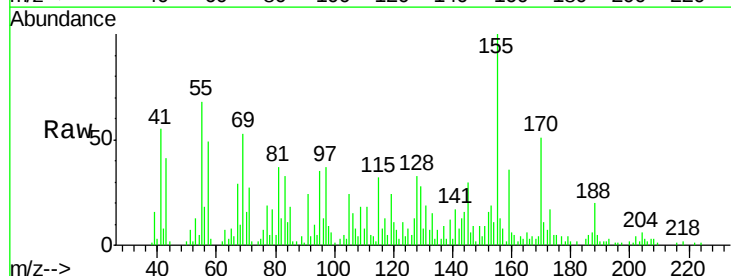
Instrument :
BNA_F
ClientSampleId :
SP1-COMP1

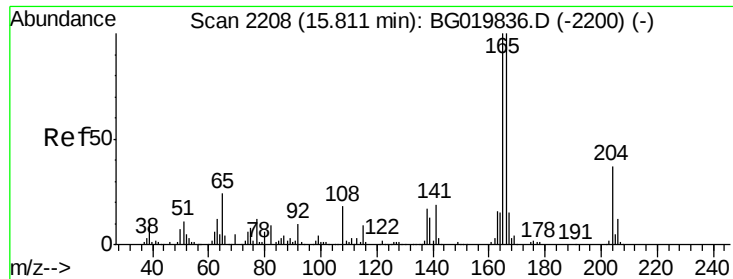
Tgt Ion:184 Resp: 309
Ion Ratio Lower Upper
184 100
63 301.4 42.7 64.1#
154 1303.7 44.3 66.5#



#55
4-Nitrophenol
Concen: 5.42 ng
RT: 14.95 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BG020019.D
Acq: 8 Dec 2015 15:43

Tgt Ion:139 Resp: 4399
Ion Ratio Lower Upper
139 100
109 145.9 43.2 83.2#
65 69.3 67.8 107.8

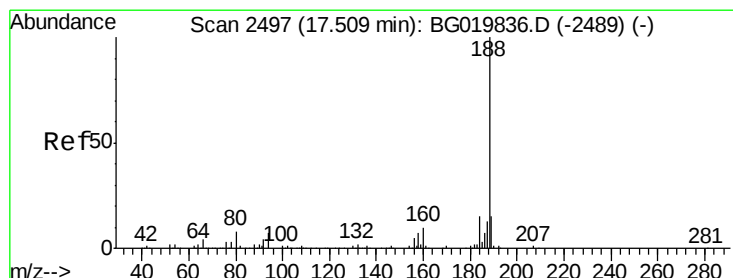
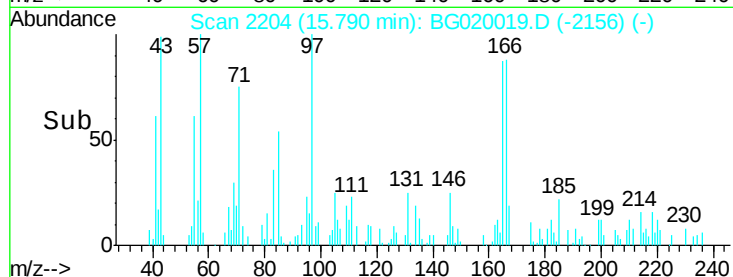
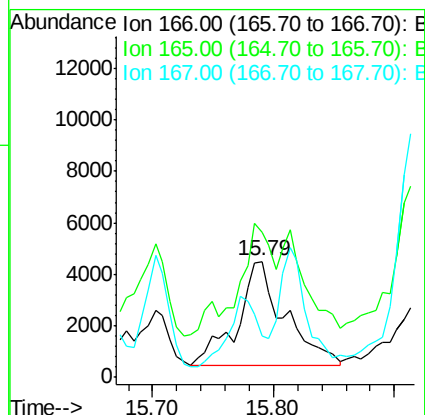
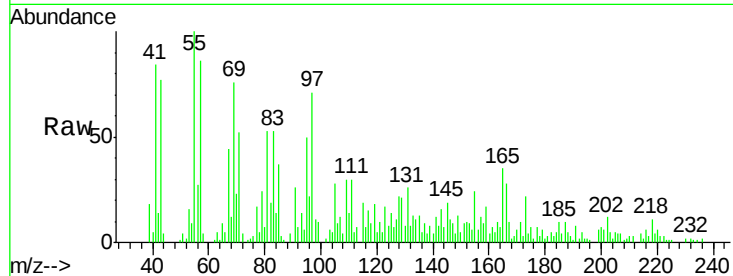




#57
Fluorene
 Concen: 2.43 ng
 RT: 15.79 min Scan# 2204
 Delta R.T. -0.02 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

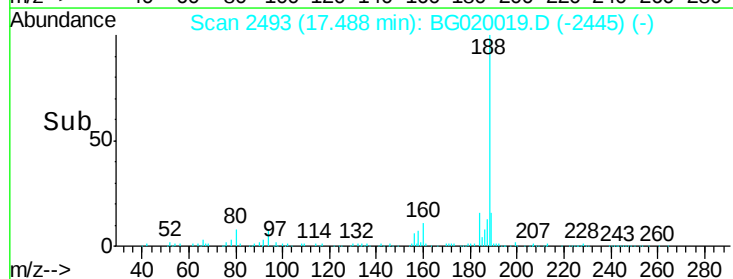
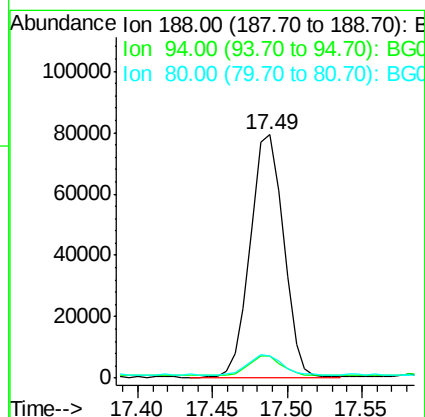
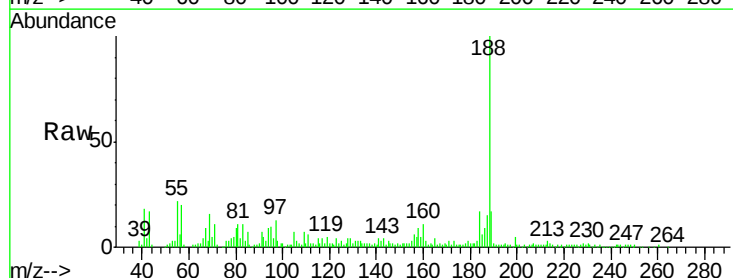
Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMP1

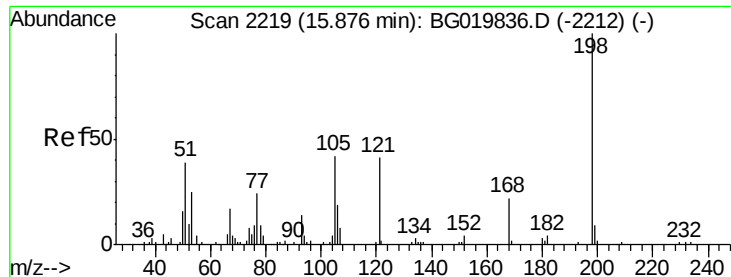
Tgt Ion:166 Resp: 11219
 Ion Ratio Lower Upper
 166 100
 165 124.7 80.0 120.0#
 167 36.1 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.49 min Scan# 2493
 Delta R.T. -0.02 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Tgt Ion:188 Resp: 121739
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.7 11.5
 80 8.9 7.8 11.8

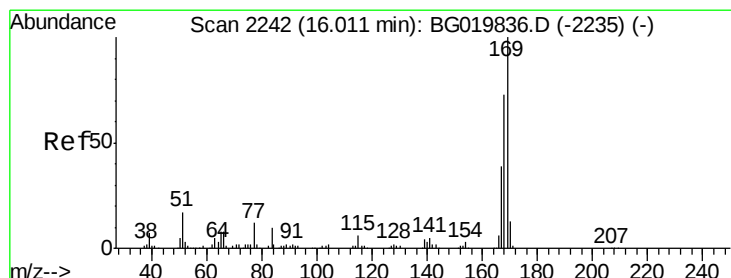
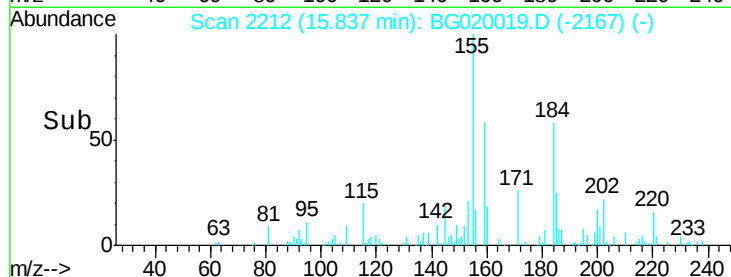
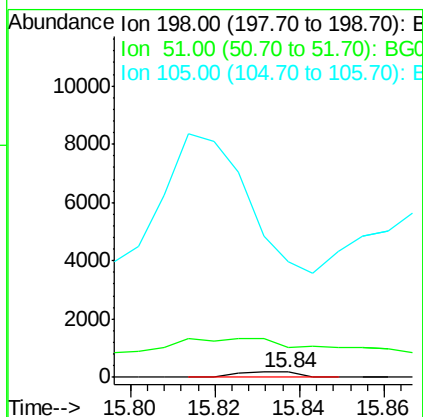
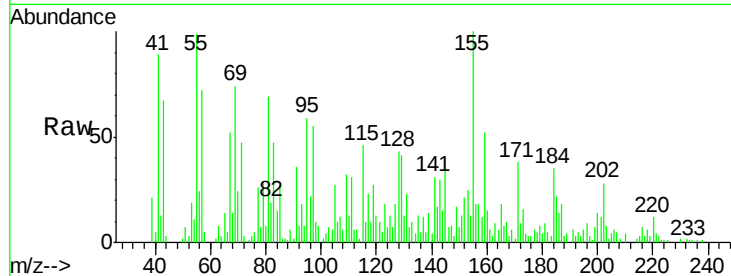




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.35 ng
 RT: 15.84 min Scan# 2212
 Delta R.T. -0.04 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

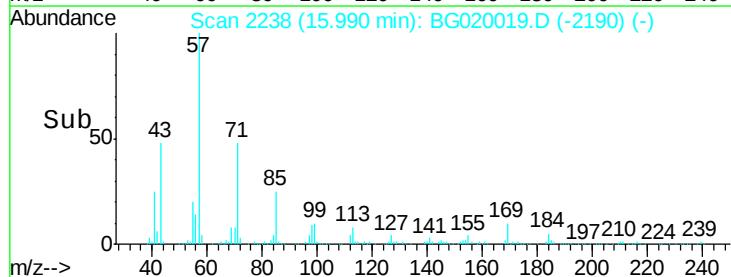
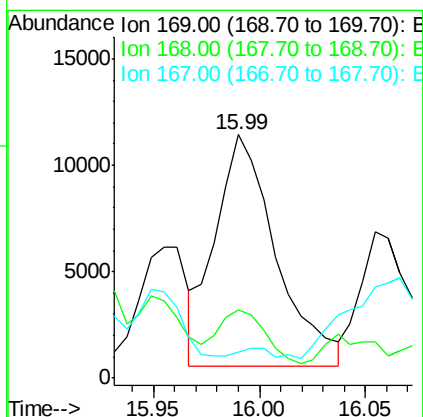
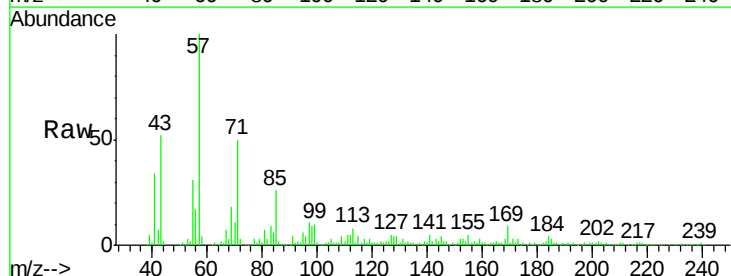
Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMP1

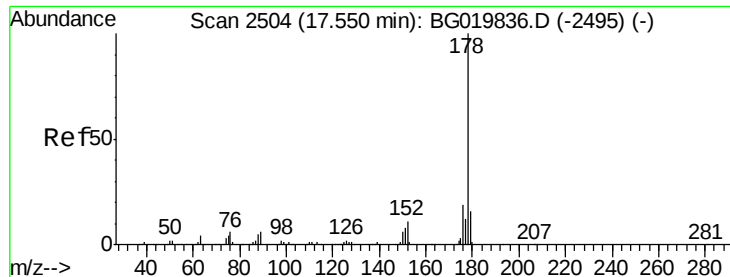
Tgt Ion:198 Resp: 190
 Ion Ratio Lower Upper
 198 100
 51 543.1 14.2 54.2#
 105 2106.4 21.1 61.1#



#65
 n-Nitrosodiphenylamine
 Concen: 6.17 ng
 RT: 15.99 min Scan# 2238
 Delta R.T. -0.02 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Tgt Ion:169 Resp: 21751
 Ion Ratio Lower Upper
 169 100
 168 28.1 58.2 87.2#
 167 10.9 32.7 49.1#





#70

Phenanthrene

Concen: 2.09 ng

RT: 17.53 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

Instrument :

BNA_F

ClientSampleId :

SP1-COMP1

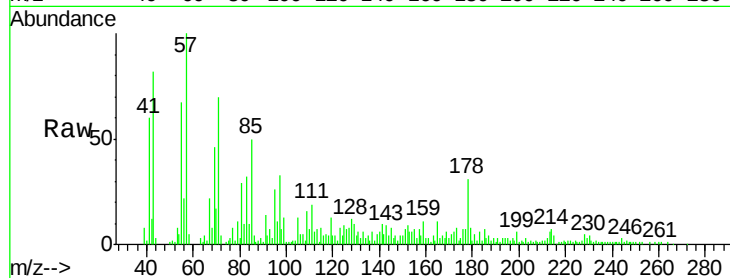
Tgt Ion:178 Resp: 14392

Ion Ratio Lower Upper

178 100

176 22.9 16.7 25.1

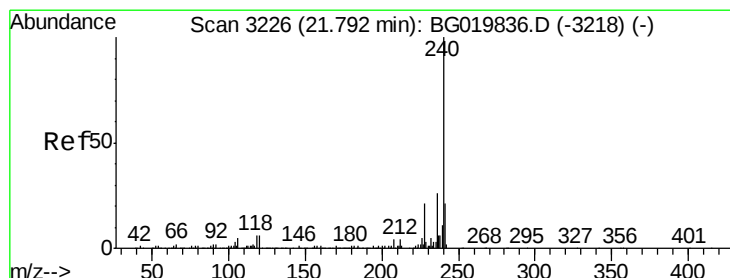
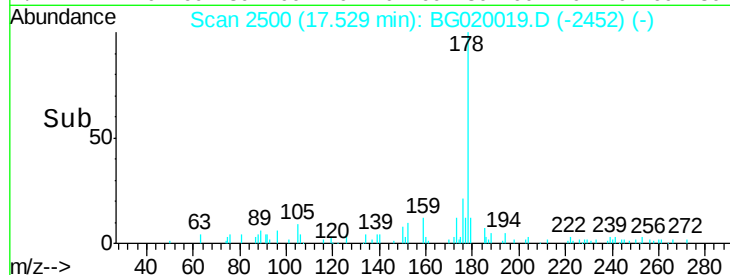
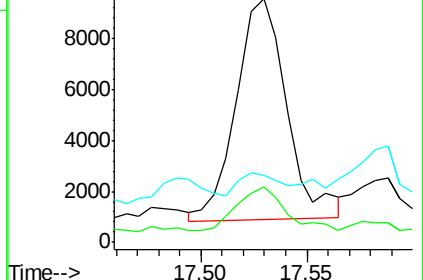
179 27.6 13.9 20.9#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020019.D

Acq: 8 Dec 2015 15:43

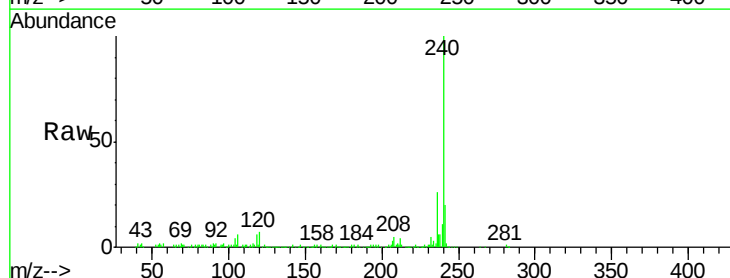
Tgt Ion:240 Resp: 154977

Ion Ratio Lower Upper

240 100

120 6.6 7.4 11.0#

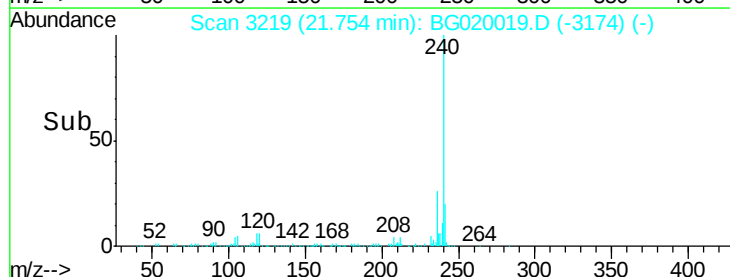
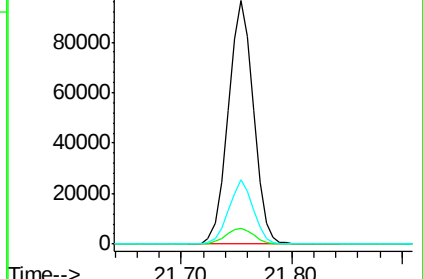
236 26.3 20.7 31.1

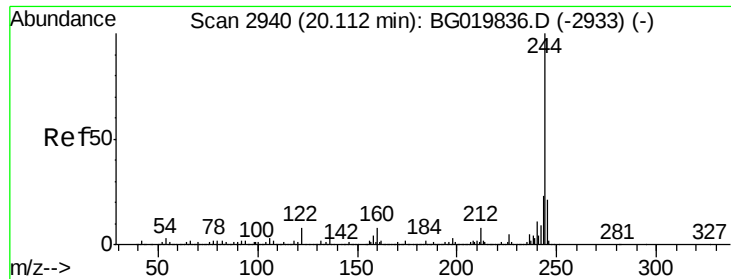


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

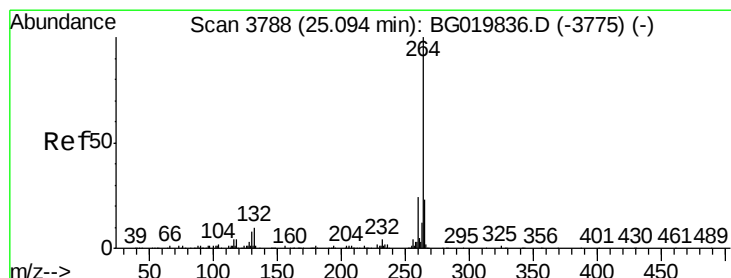
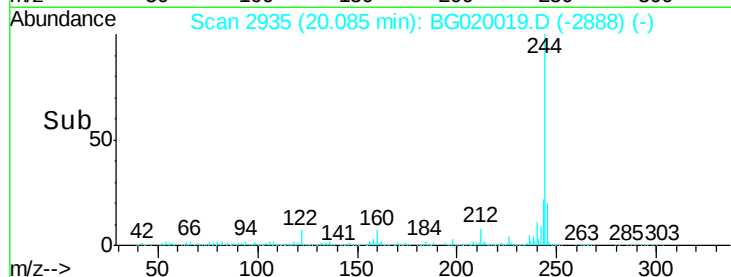
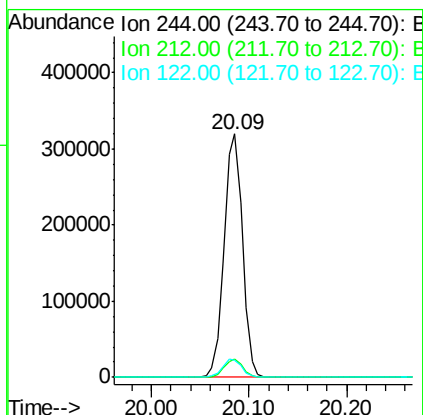
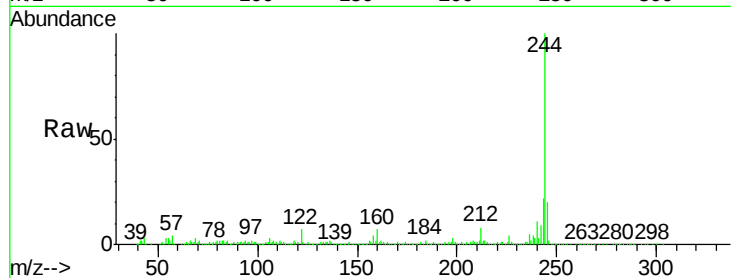




#78
 Terphenyl-d14
 Concen: 65.52 ng
 RT: 20.09 min Scan# 2935
 Delta R.T. -0.03 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMP1

Tgt Ion:244 Resp: 416268
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.9 10.3
 122 7.1 10.2 15.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3777
 Delta R.T. -0.06 min
 Lab File: BG020019.D
 Acq: 8 Dec 2015 15:43

Tgt Ion:264 Resp: 151747
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.5 27.7
 265 22.7 17.2 25.8

