

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
 Data File : BG020016.D
 Acq On : 8 Dec 2015 13:47
 Operator : UM/SJ
 Sample : G4684-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-3

Quant Time: Dec 09 04:02:53 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	20360	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	82565	20.00	ng	-0.02
38) Acenaphthene-d10	14.75	164	54399	20.00	ng	-0.02
63) Phenanthrene-d10	17.49	188	121991	20.00	ng	-0.02
75) Chrysene-d12	21.76	240	152327	20.00	ng	-0.04
86) Perylene-d12	25.04	264	153225	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	170755	151.58	ng	-0.01
7) Phenol-d6	7.26	99	245985	144.62	ng	-0.01
23) Nitrobenzene-d5	9.28	82	174442	107.83	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	120841	145.18	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	355560	89.25	ng	-0.02
78) Terphenyl-d14	20.09	244	549545	88.00	ng	-0.02

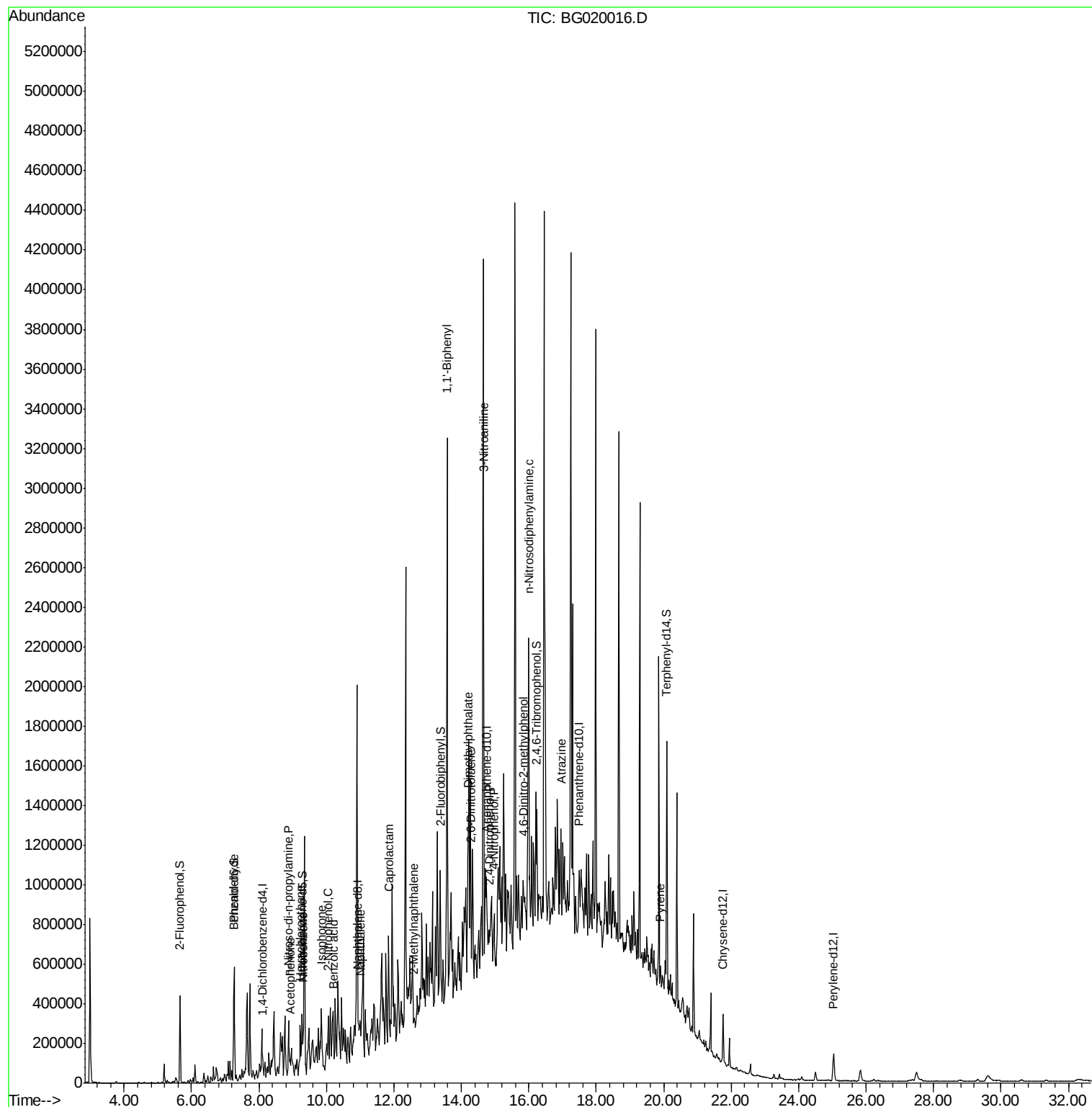
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.25	77	3427	3.02	ng	# 1
18) Hexachloroethane	9.22	117	14223	23.62	ng	# 1
19) n-Nitroso-di-n-propylamine	8.88	70	8920	6.65	ng	# 36
22) Acetophenone	8.92	105	39480	17.44	ng	# 61
24) Nitrobenzene	9.31	77	5645	3.22	ng	# 39
25) Isophorone	9.85	82	30644	8.84	ng	# 1
26) 2-Nitrophenol	10.05	139	2021	2.98	ng	# 1
31) Naphthalene	10.99	128	12716	2.87	ng	# 5
32) Benzoic acid	10.22	122	191	6.18	ng	# 1
35) Caprolactam	11.85	113	7216	13.44	ng	# 1
37) 2-Methylnaphthalene	12.59	142	18244	5.63	ng	# 77
45) 1,1'-Biphenyl	13.58	154	10999	2.46	ng	# 79
49) Dimethylphthalate	14.19	163	92203	18.84	ng	# 94
50) 2,6-Dinitrotoluene	14.28	165	2538	2.76	ng	# 86
52) 3-Nitroaniline	14.66	138	2163	2.26	ng	# 65
53) 2,4-Dinitrophenol	14.84	184	226	9.67	ng	# 1
55) 4-Nitrophenol	14.96	139	4085	4.91	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.83	198	986	7.36	ng	# 1
65) n-Nitrosodiphenylamine	16.00	169	43876	12.43	ng	# 51
68) Atrazine	16.95	200	11397	7.43	ng	# 74
77) Pyrene	19.89	202	31786	3.55	ng	# 90

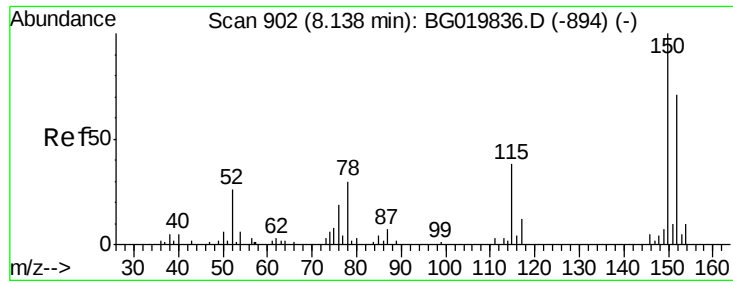
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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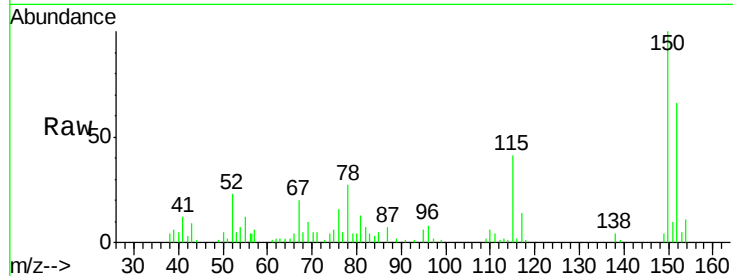


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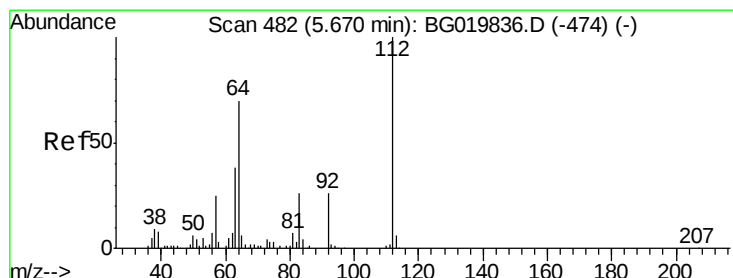
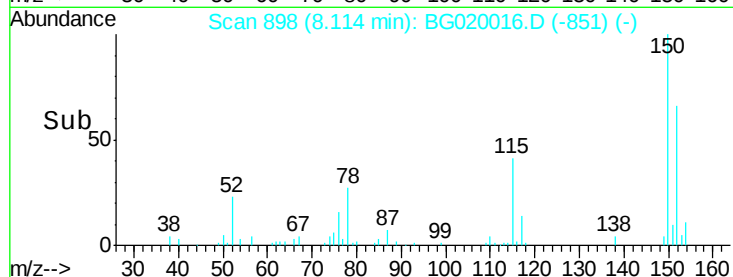
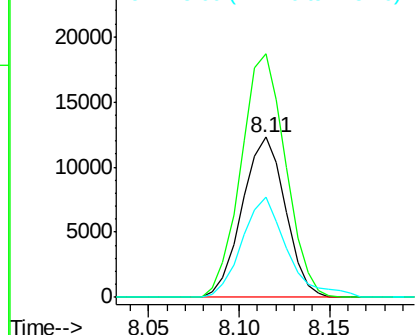
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 898
Delta R.T. -0.02 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Instrument :
BNA_G
ClientSampled :
UST-3

Tgt Ion:152 Resp: 20360
Ion Ratio Lower Upper
152 100
150 152.1 115.0 172.4
115 62.8 43.9 65.9



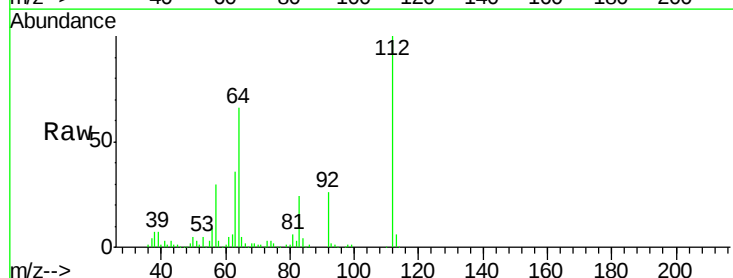
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



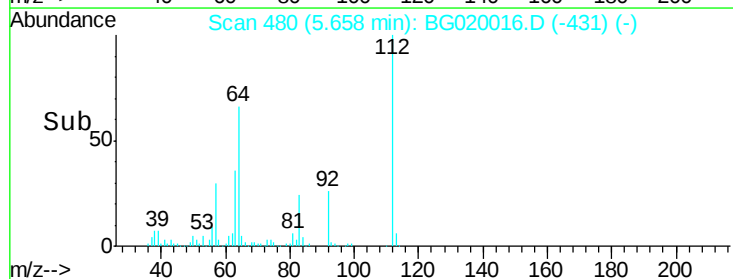
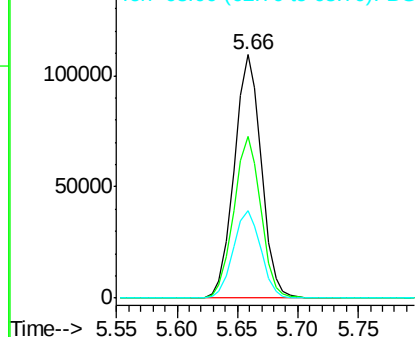
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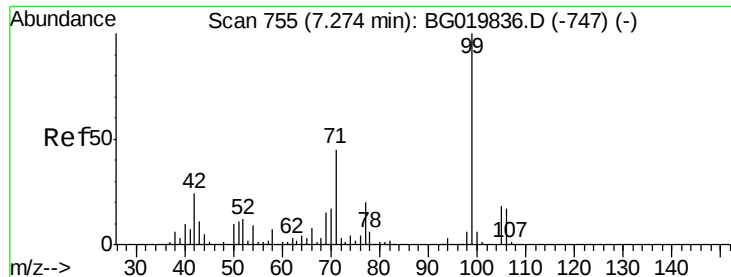
2-Fluorophenol
Concen: 151.58 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion:112 Resp: 170755
Ion Ratio Lower Upper
112 100
64 66.3 43.7 65.5#
63 36.1 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: 144.62 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampled :

UST-3

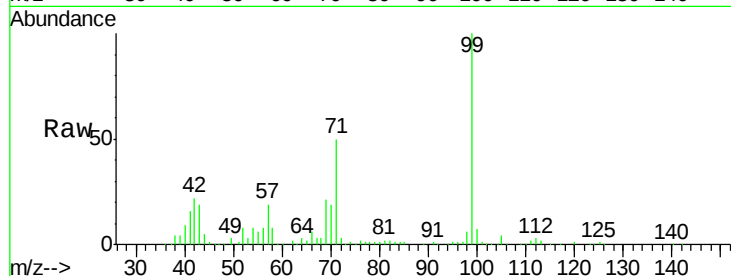
Tgt Ion: 99 Resp: 245985

Ion Ratio Lower Upper

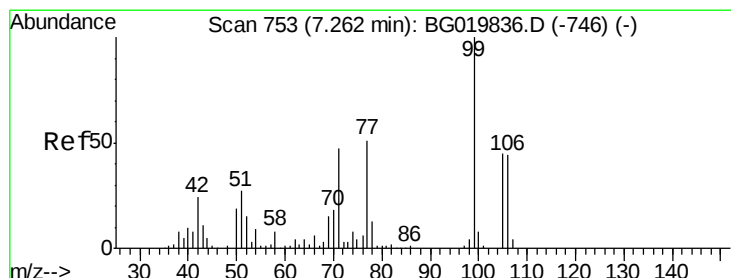
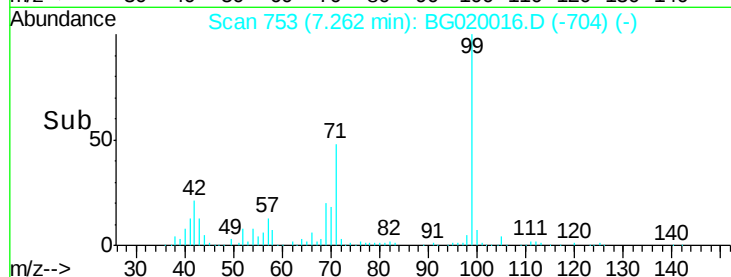
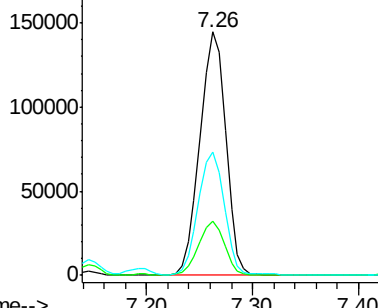
99 100

42 22.0 11.5 17.3#

71 50.5 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: 3.02 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.01 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

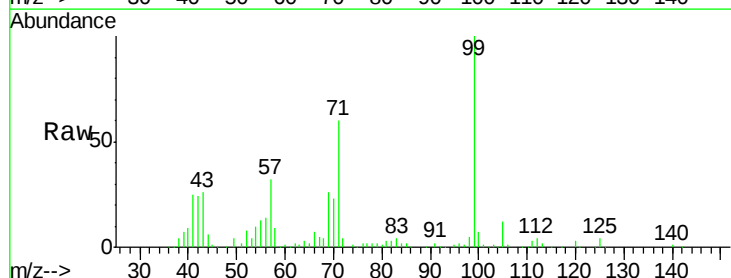
Tgt Ion: 77 Resp: 3427

Ion Ratio Lower Upper

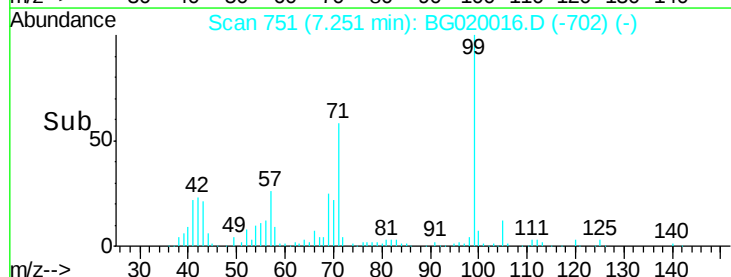
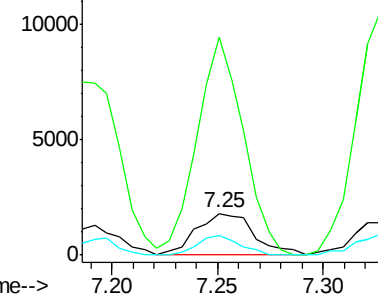
77 100

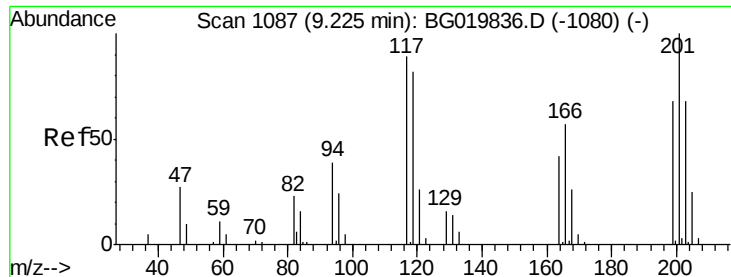
105 522.9 77.7 117.7#

106 47.2 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

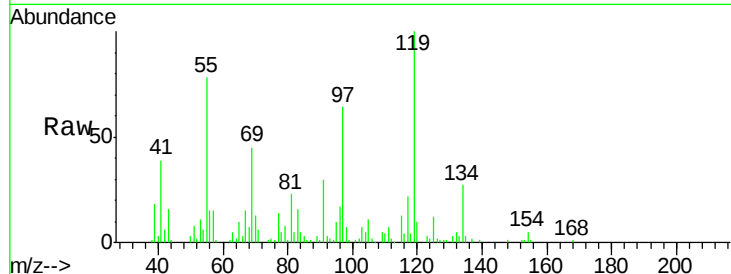




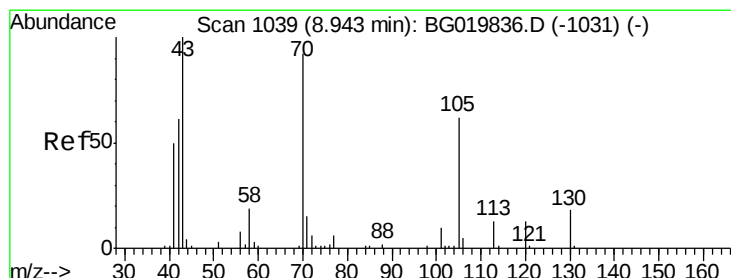
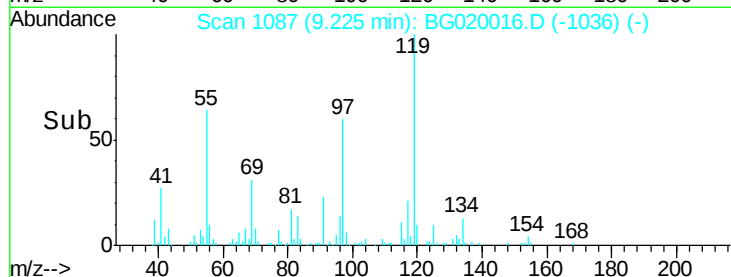
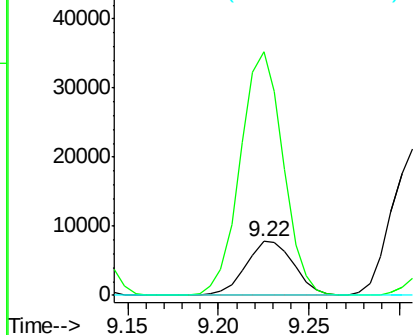
#18
Hexachloroethane
Concen: 23.62 ng
RT: 9.22 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Instrument :
BNA_G
ClientSampleId :
UST-3

Tgt Ion: 117 Resp: 14223
Ion Ratio Lower Upper
117 100
119 452.7 71.7 107.5#
201 0.0 90.9 136.3#

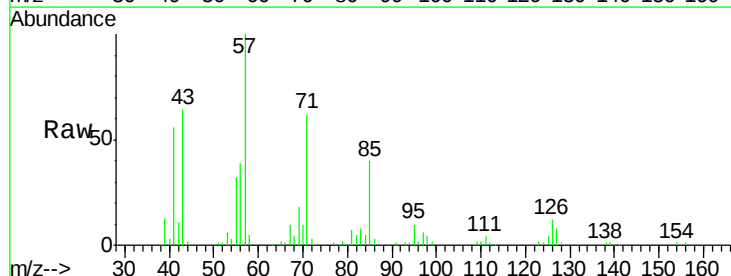


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

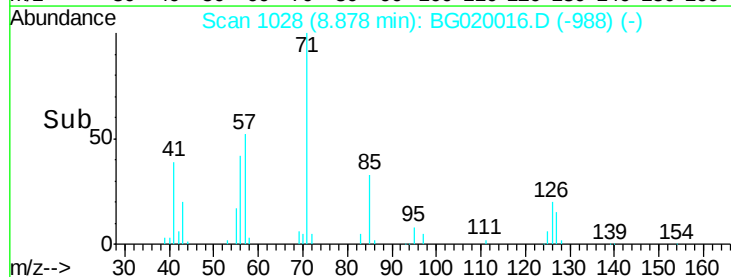
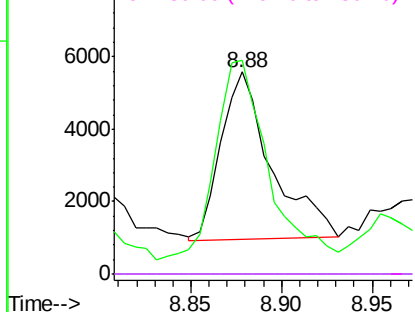


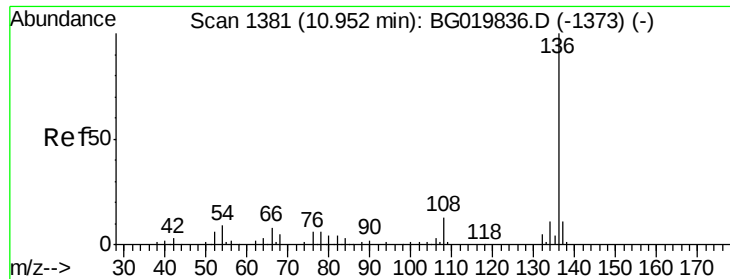
#19
n-Nitroso-di-n-propylamine
Concen: 6.65 ng
RT: 8.88 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion: 70 Resp: 8920
Ion Ratio Lower Upper
70 100
42 105.6 40.6 60.8#
101 0.0 8.6 13.0#
130 0.0 17.0 25.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

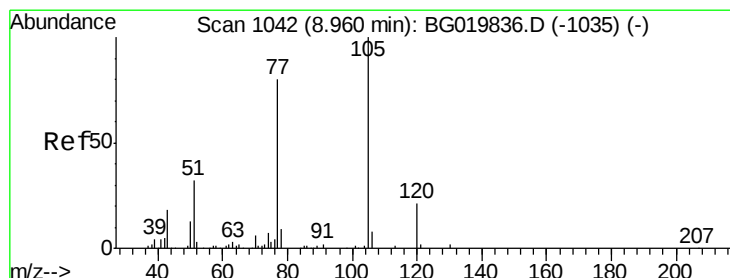
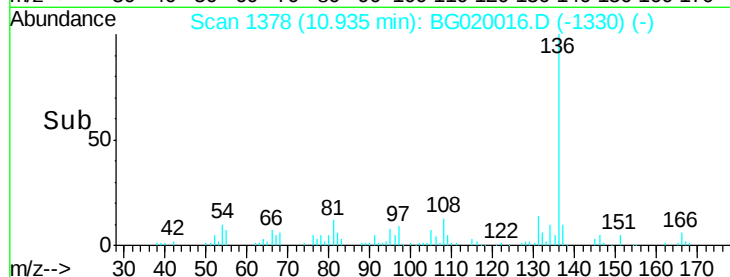
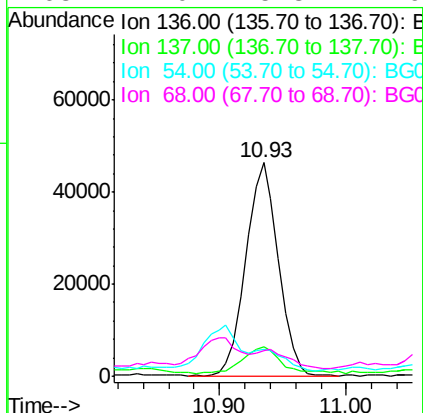
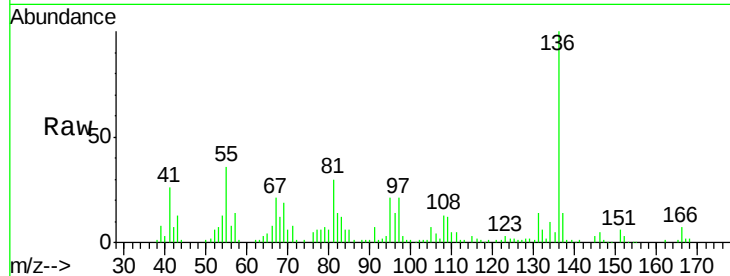




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1378
Delta R.T. -0.02 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

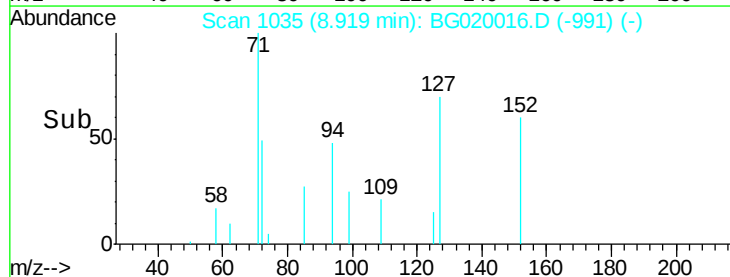
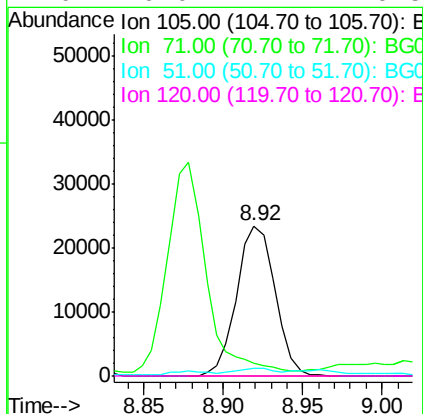
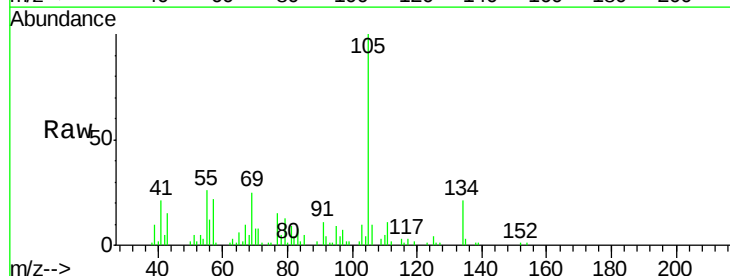
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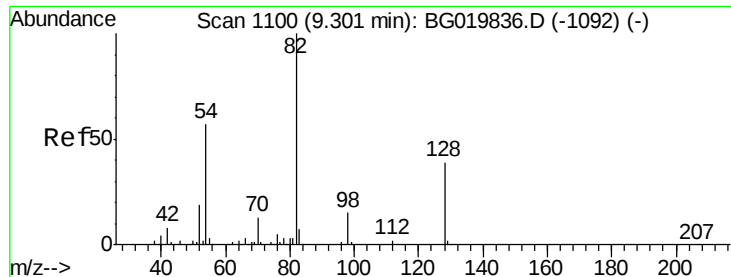
Tgt Ion:	136	Resp:	82565
Ion	Ratio	Lower	Upper
136	100		
137	13.6	8.6	12.8#
54	12.8	5.4	8.2#
68	12.0	5.3	7.9#



#22
Acetophenone
Concen: 17.44 ng
RT: 8.92 min Scan# 1035
Delta R.T. -0.04 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion:	105	Resp:	39480
Ion	Ratio	Lower	Upper
105	100		
71	8.5	2.1	3.1#
51	5.4	17.8	26.8#
120	0.0	17.7	26.5#

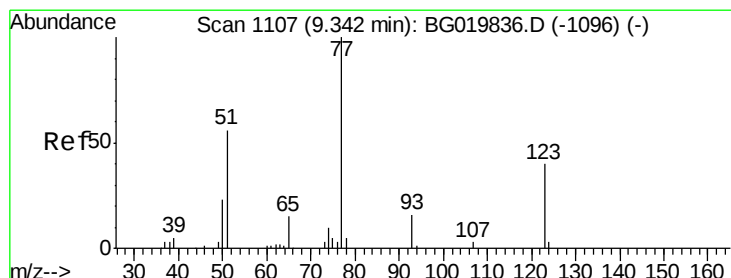
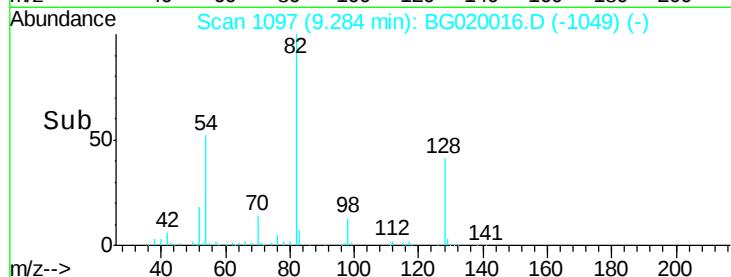
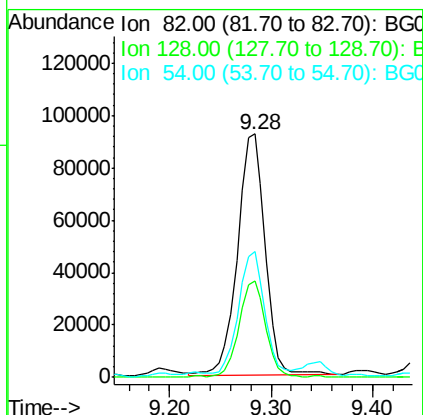
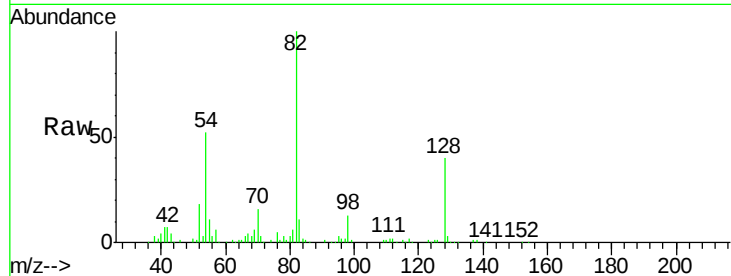




#23
 Nitrobenzene-d5
 Concen: 107.83 ng
 RT: 9.28 min Scan# 1097
 Delta R.T. -0.02 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

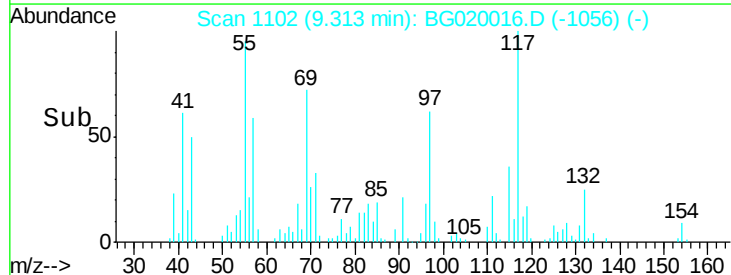
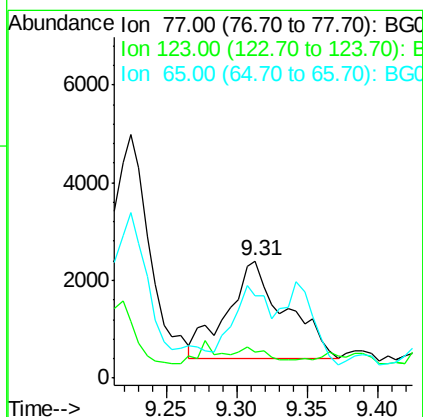
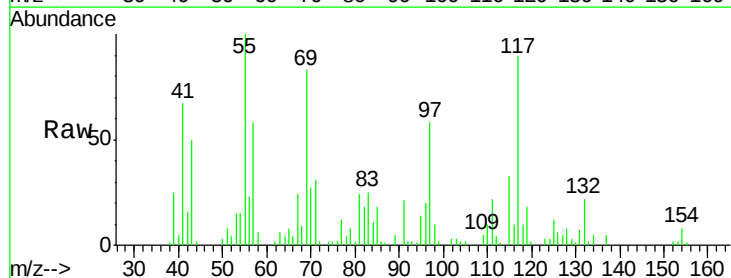
Instrument :
 BNA_G
 ClientSampleId :
 UST-3

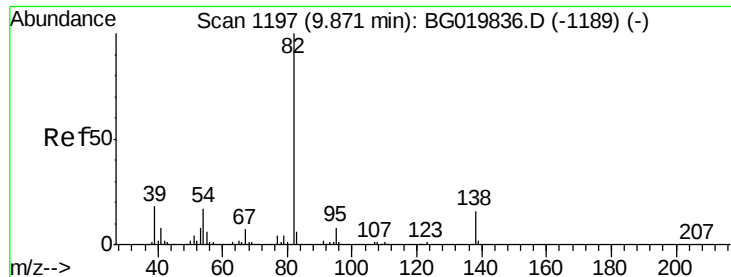
Tgt Ion: 82 Resp: 174442
 Ion Ratio Lower Upper
 82 100
 128 39.5 36.7 55.1
 54 51.6 33.8 50.8#



#24
 Nitrobenzene
 Concen: 3.22 ng
 RT: 9.31 min Scan# 1102
 Delta R.T. -0.03 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

Tgt Ion: 77 Resp: 5645
 Ion Ratio Lower Upper
 77 100
 123 22.1 38.2 57.2#
 65 69.9 10.6 16.0#





#25

Isophorone

Concen: 8.84 ng

RT: 9.85 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampleId :

UST-3

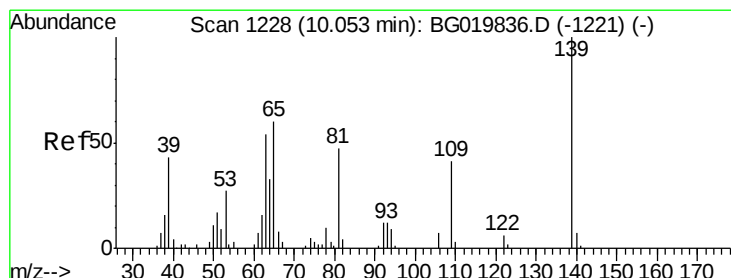
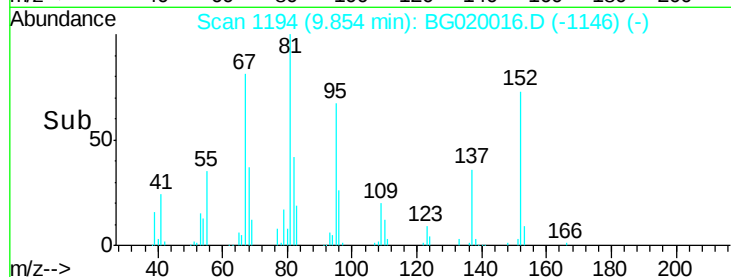
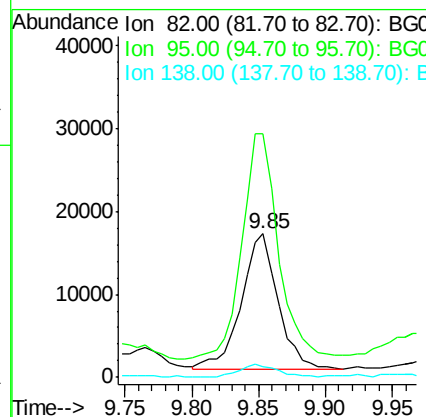
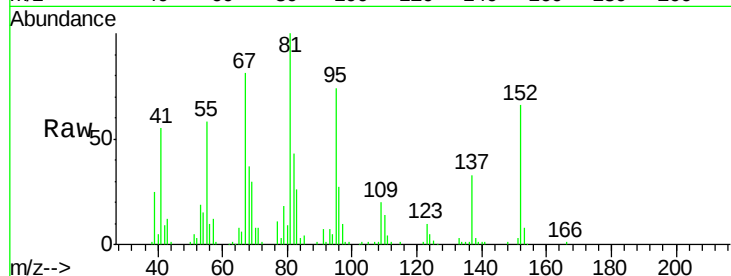
Tgt Ion: 82 Resp: 30644

Ion Ratio Lower Upper

82 100

95 170.0 5.2 7.8#

138 7.7 14.4 21.6#



#26

2-Nitrophenol

Concen: 2.98 ng

RT: 10.05 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

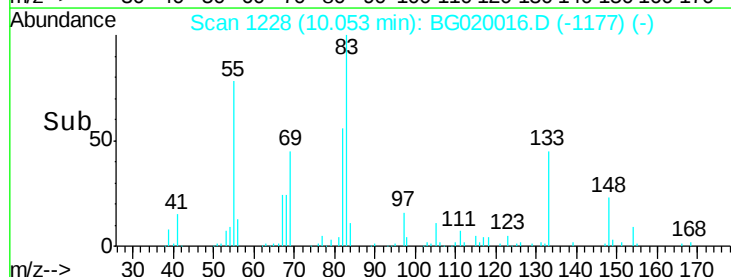
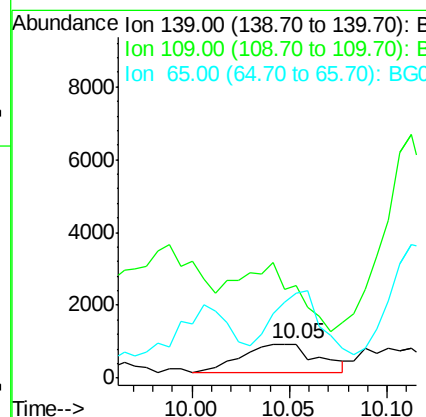
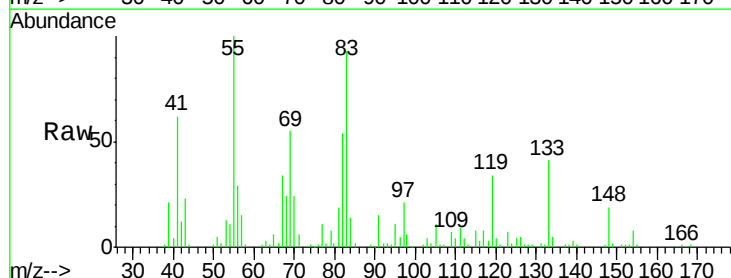
Tgt Ion: 139 Resp: 2021

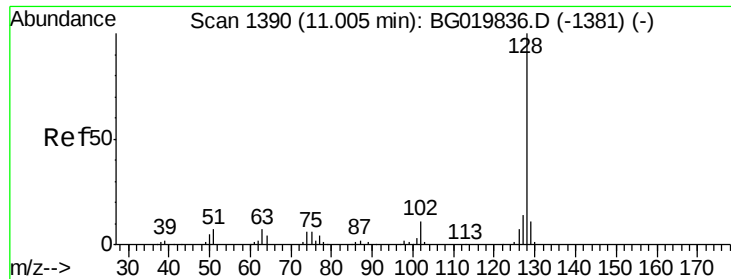
Ion Ratio Lower Upper

139 100

109 268.8 20.1 30.1#

65 245.9 34.1 51.1#

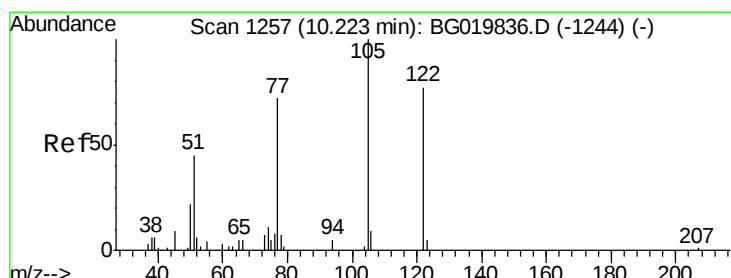
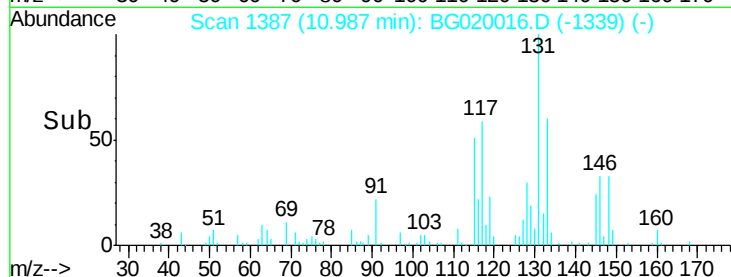
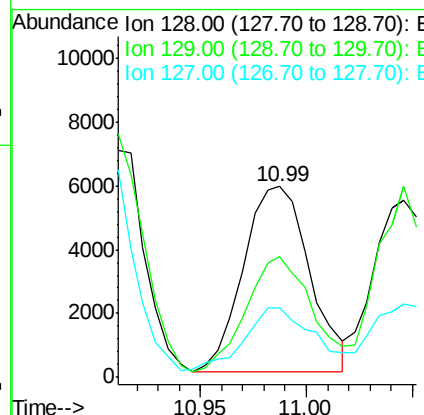
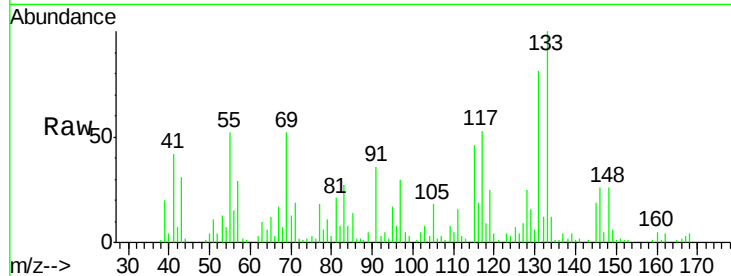




#31
Naphthalene
Concen: 2.87 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.02 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

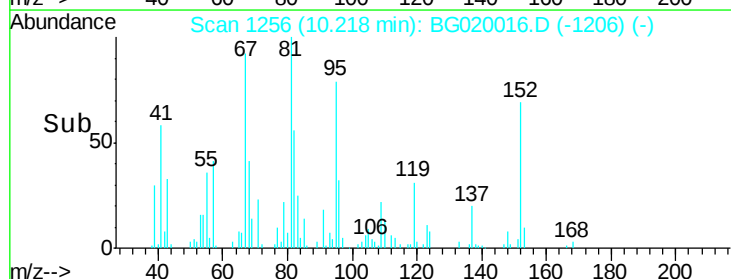
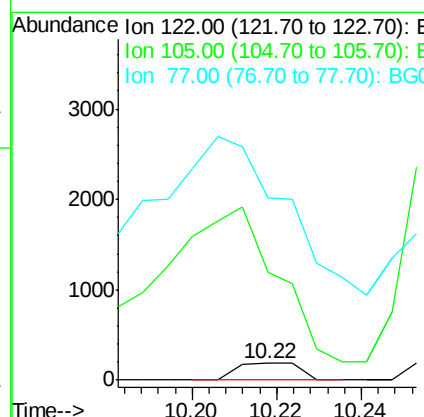
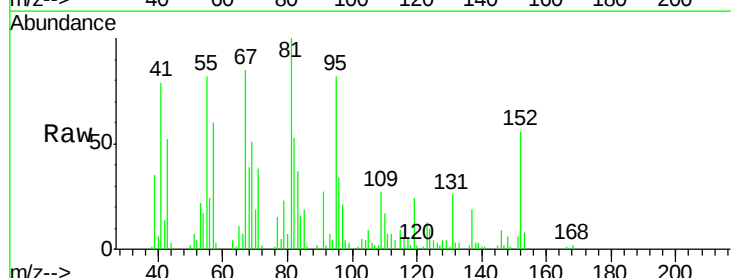
Instrument :
BNA_G
ClientSampled :
UST-3

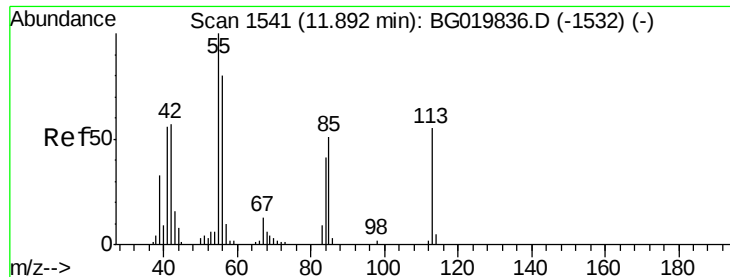
Tgt Ion:128 Resp: 12716
Ion Ratio Lower Upper
128 100
129 63.1 8.5 12.7#
127 36.7 10.6 16.0#



#32
Benzoic acid
Concen: 6.18 ng
RT: 10.22 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion:122 Resp: 191
Ion Ratio Lower Upper
122 100
105 634.6 103.8 143.8#
77 1076.1 68.8 108.8#





#35

Caprolactam

Concen: 13.44 ng

RT: 11.85 min Scan# 1533

Delta R.T. -0.05 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampleId :

UST-3

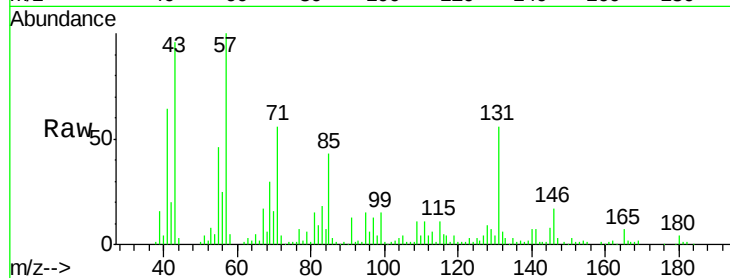
Tgt Ion:113 Resp: 7216

Ion Ratio Lower Upper

113 100

55 804.1 135.0 175.0#

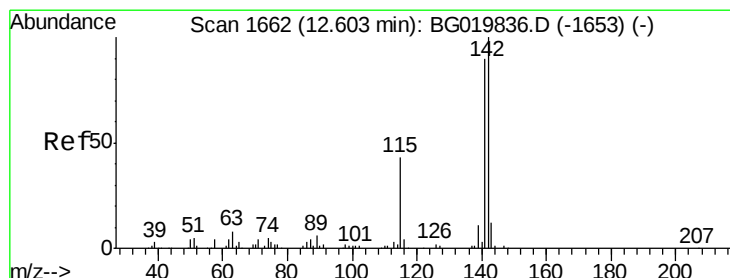
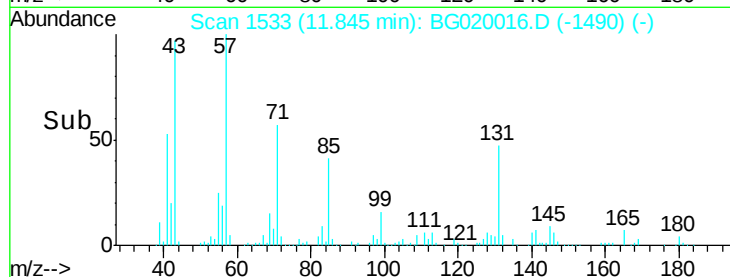
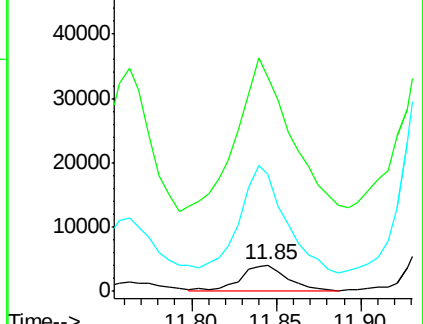
56 438.8 83.4 123.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#37

2-Methylnaphthalene

Concen: 5.63 ng

RT: 12.59 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

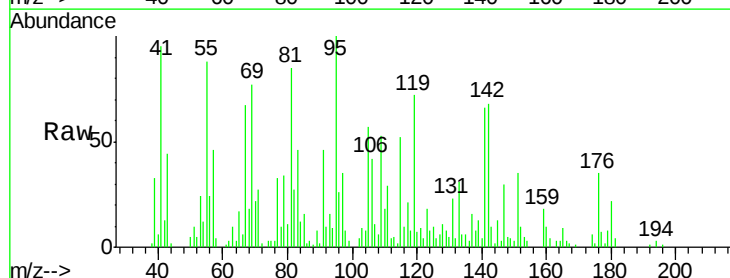
Tgt Ion:142 Resp: 18244

Ion Ratio Lower Upper

142 100

141 97.6 74.6 112.0

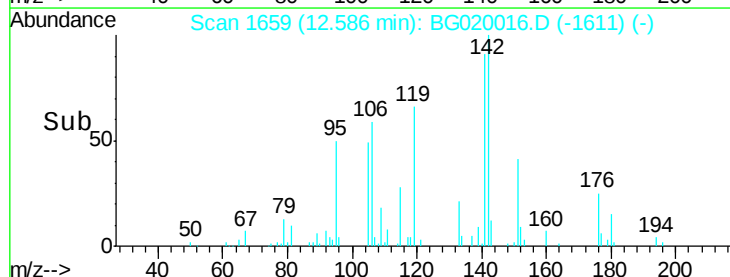
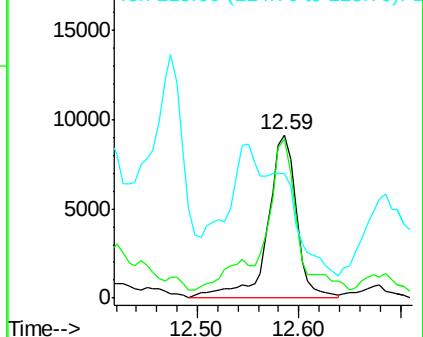
115 76.6 27.4 41.0#

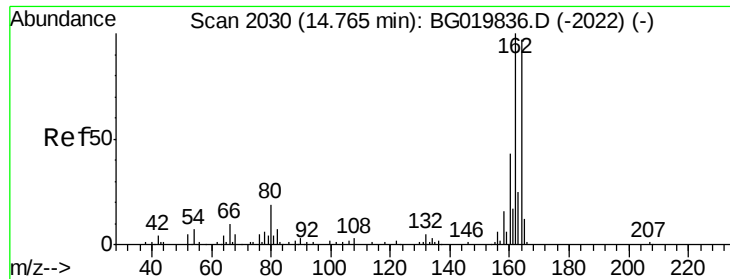


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.75 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampled :

UST-3

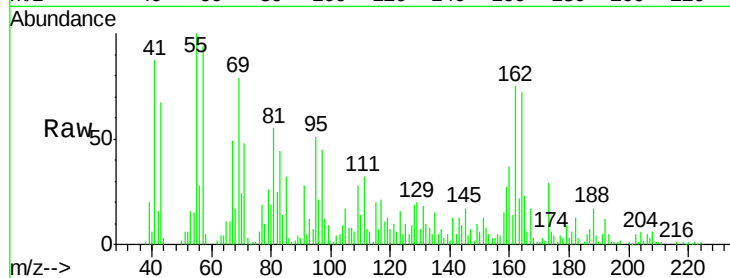
Tgt Ion:164 Resp: 54399

Ion Ratio Lower Upper

164 100

162 104.1 78.8 118.2

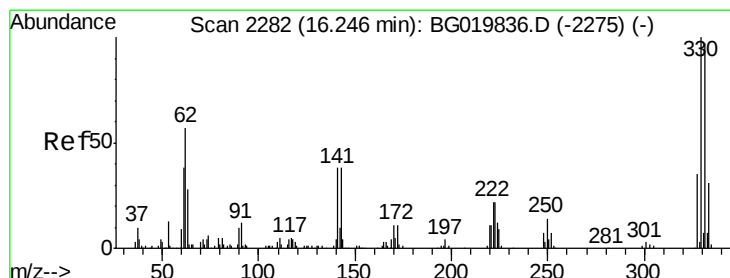
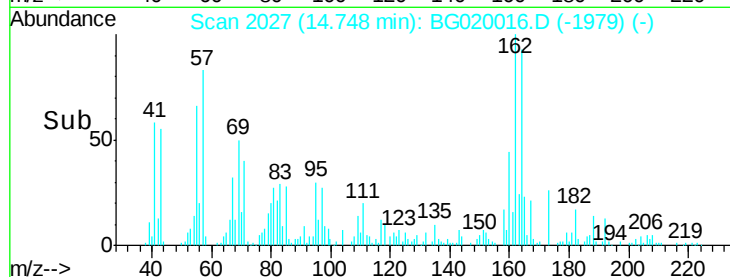
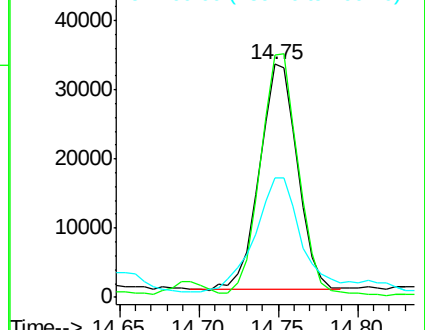
160 51.1 36.4 54.6



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: 145.18 ng

RT: 16.24 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

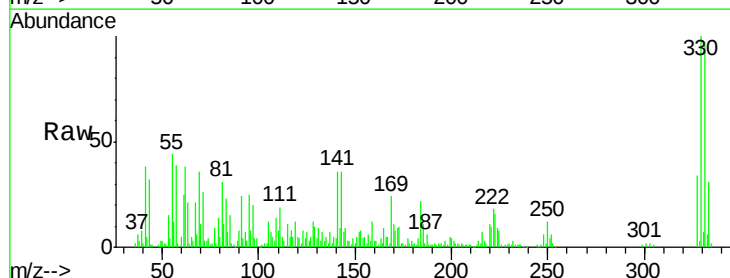
Tgt Ion:330 Resp: 120841

Ion Ratio Lower Upper

330 100

332 95.0 78.1 117.1

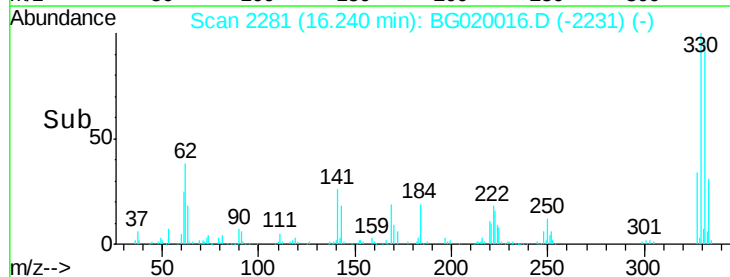
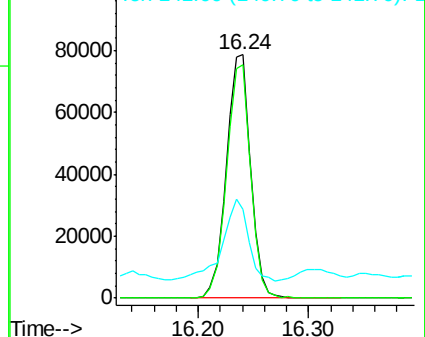
141 35.2 28.2 42.2

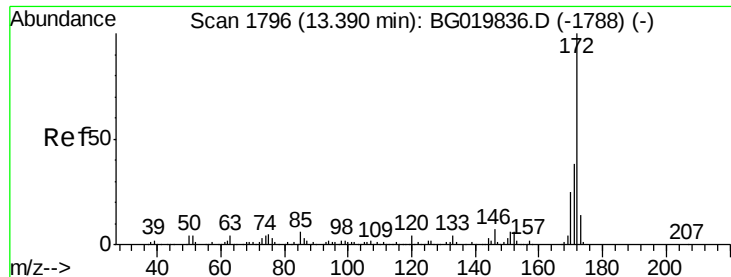


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

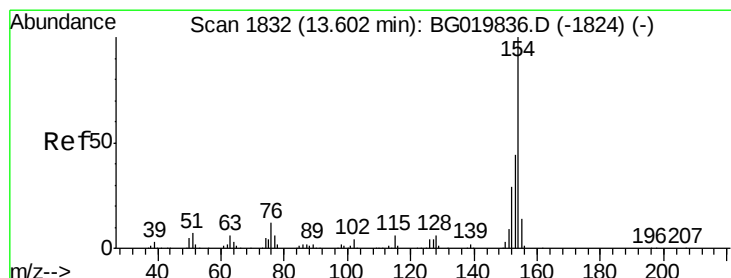
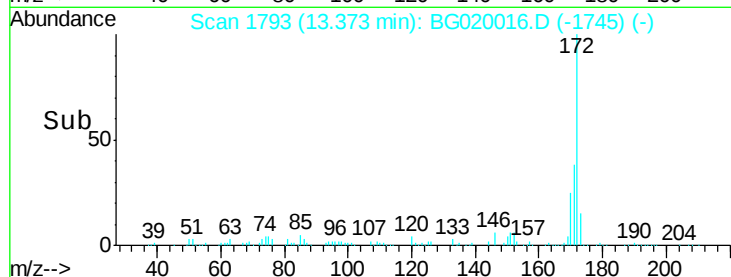
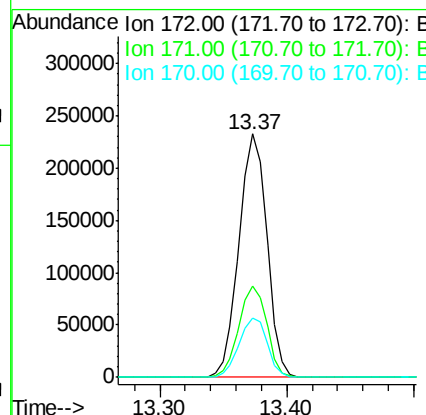
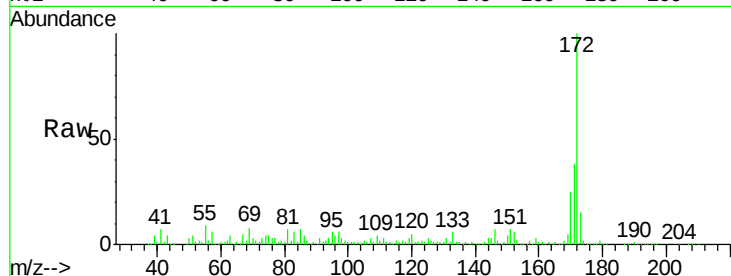




#44
2-Fluorobiphenyl
Concen: 89.25 ng
RT: 13.37 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

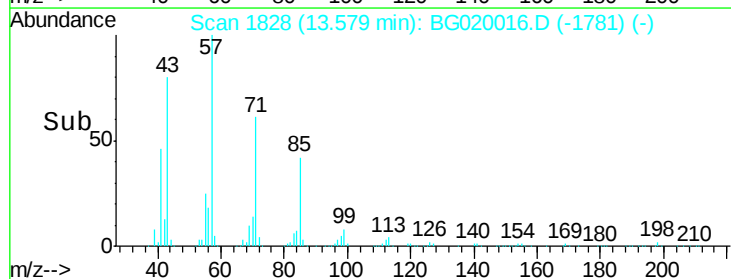
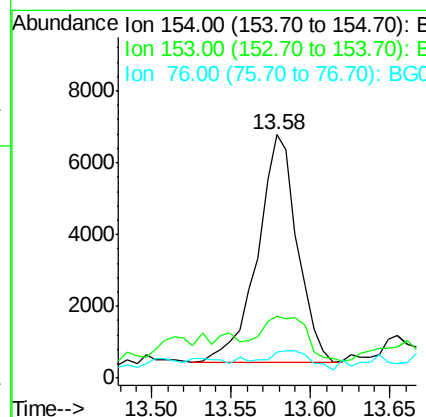
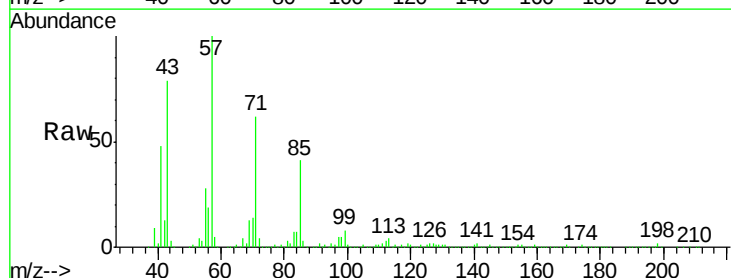
Instrument :
BNA_G
ClientSampleId :
UST-3

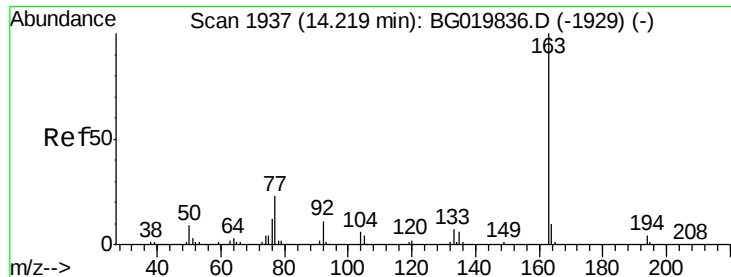
Tgt Ion:172 Resp: 355560
Ion Ratio Lower Upper
172 100
171 37.7 29.0 43.6
170 24.6 19.9 29.9



#45
1,1'-Biphenyl
Concen: 2.46 ng
RT: 13.58 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion:154 Resp: 10999
Ion Ratio Lower Upper
154 100
153 25.5 21.9 61.9
76 10.7 0.0 33.2





#49

Dimethylphthalate

Concen: 18.84 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.03 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampleId :

UST-3

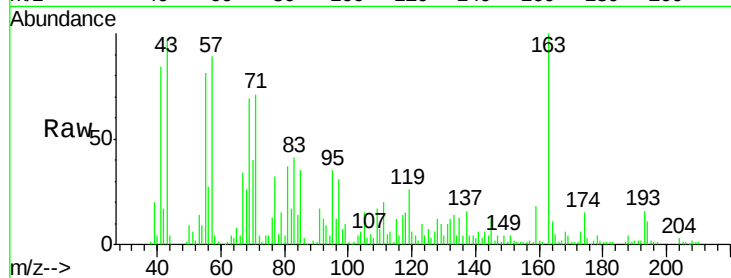
Tgt Ion:163 Resp: 92203

Ion Ratio Lower Upper

163 100

194 10.7 3.1 4.7#

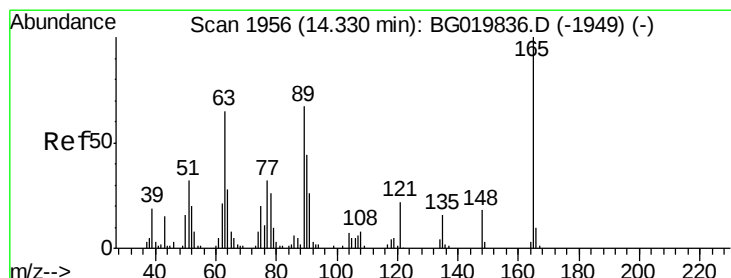
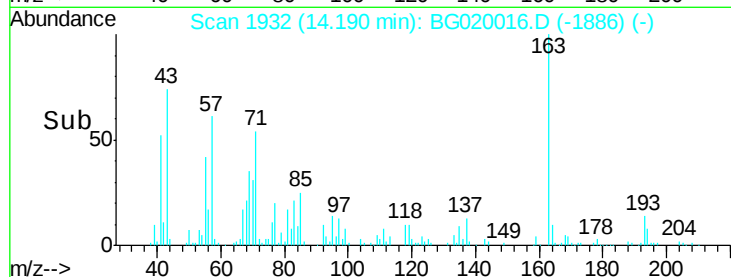
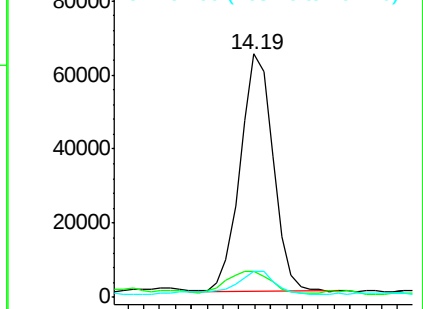
164 10.6 8.8 13.2



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



#50

2,6-Dinitrotoluene

Concen: 2.76 ng

RT: 14.28 min Scan# 1948

Delta R.T. -0.05 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

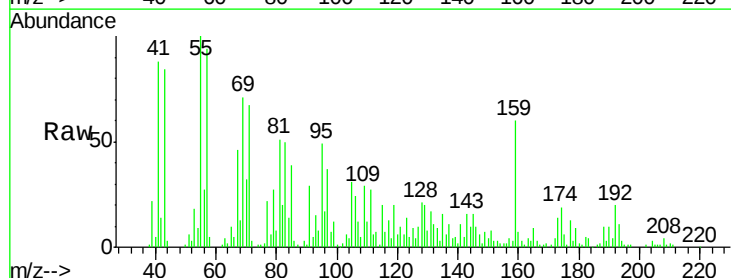
Tgt Ion:165 Resp: 2538

Ion Ratio Lower Upper

165 100

63 41.1 35.7 53.5

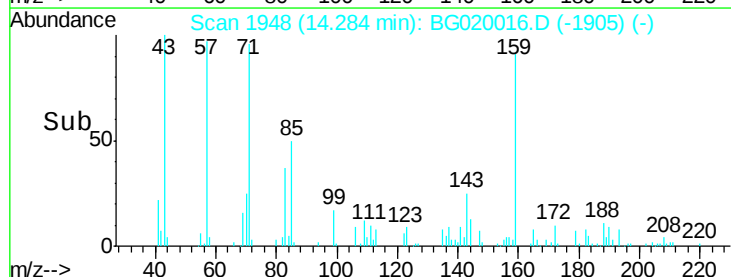
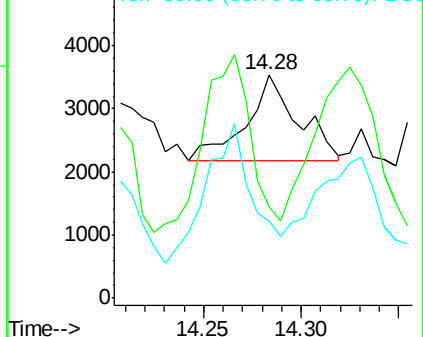
89 34.4 39.7 59.5#

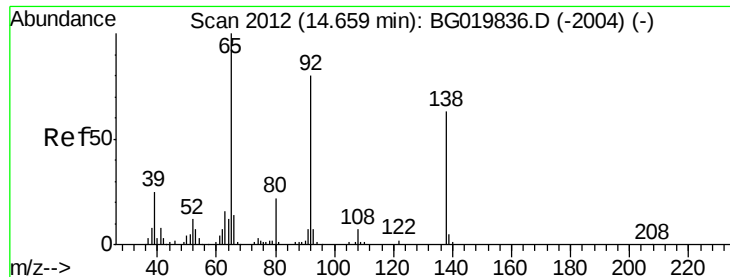


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 2.26 ng

RT: 14.66 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampleId :

UST-3

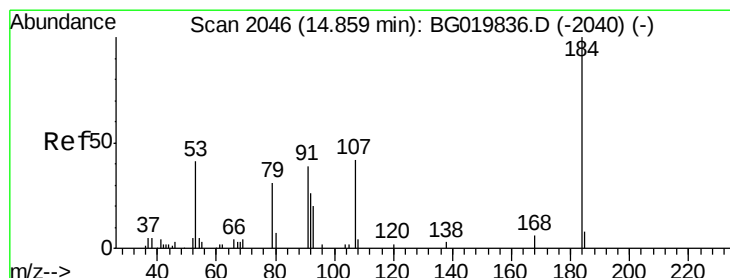
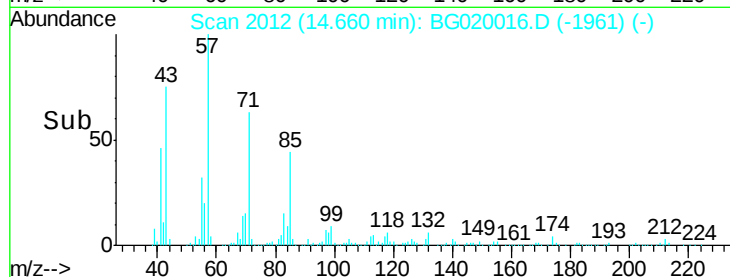
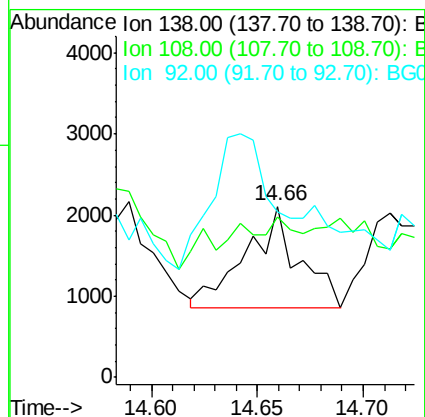
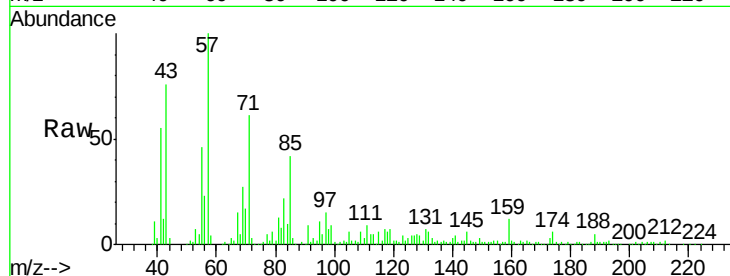
Tgt Ion:138 Resp: 2163

Ion Ratio Lower Upper

138 100

108 93.8 7.9 11.9#

92 96.9 94.2 141.4



#53

2,4-Dinitrophenol

Concen: 9.67 ng

RT: 14.84 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

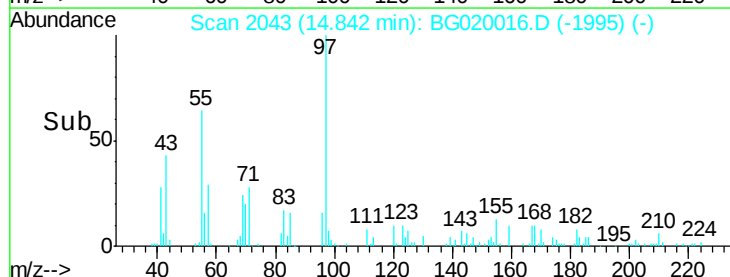
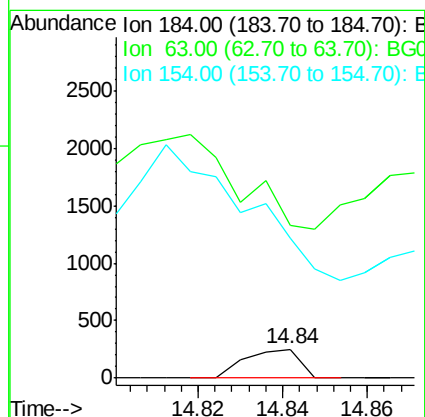
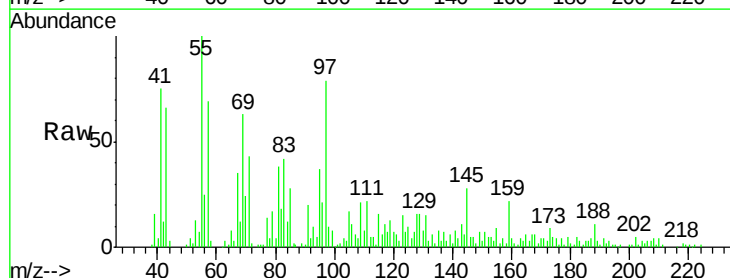
Tgt Ion:184 Resp: 226

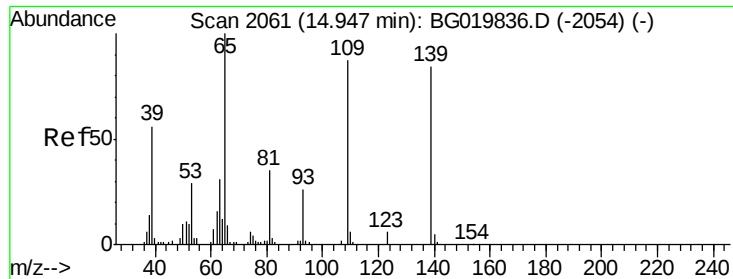
Ion Ratio Lower Upper

184 100

63 530.0 42.7 64.1#

154 487.2 44.3 66.5#





#55

4-Nitrophenol

Concen: 4.91 ng

RT: 14.96 min Scan# 2063

Delta R.T. 0.01 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

Instrument :

BNA_G

ClientSampled :

UST-3

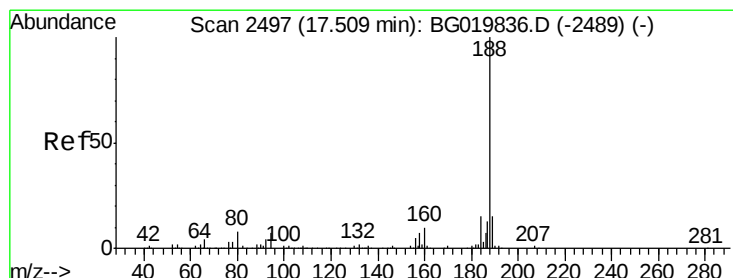
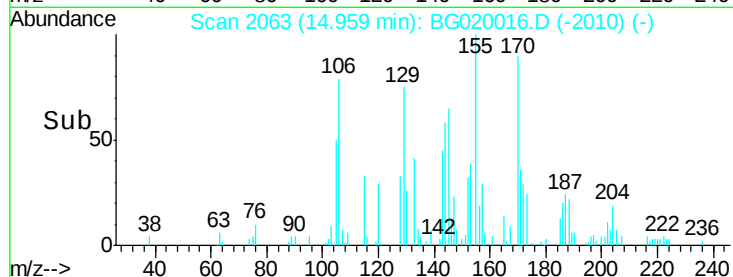
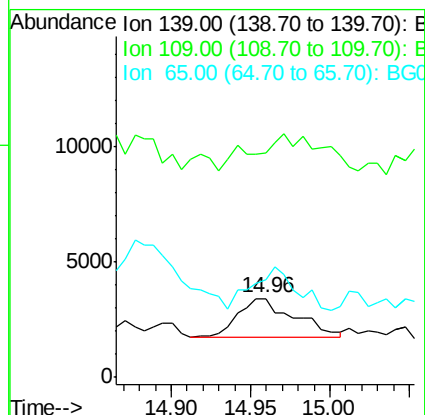
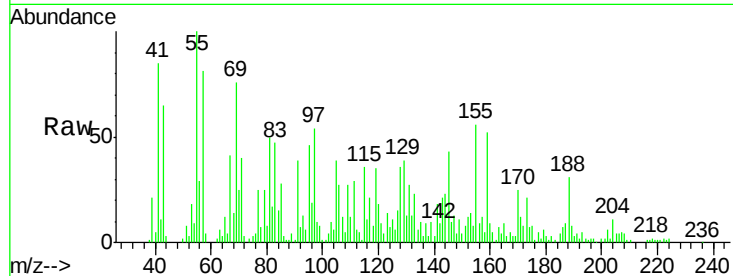
Tgt Ion:139 Resp: 4085

Ion Ratio Lower Upper

139 100

109 286.3 43.2 83.2#

65 125.1 67.8 107.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.02 min

Lab File: BG020016.D

Acq: 8 Dec 2015 13:47

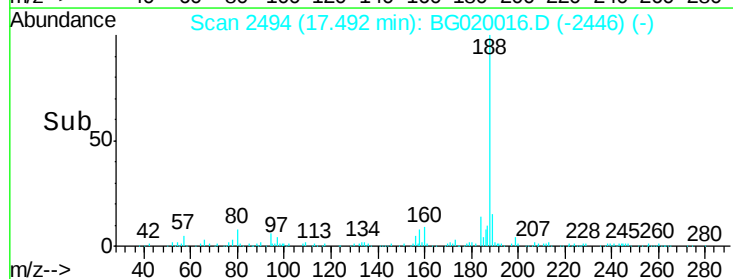
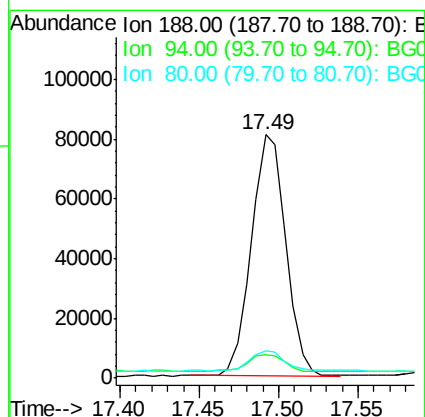
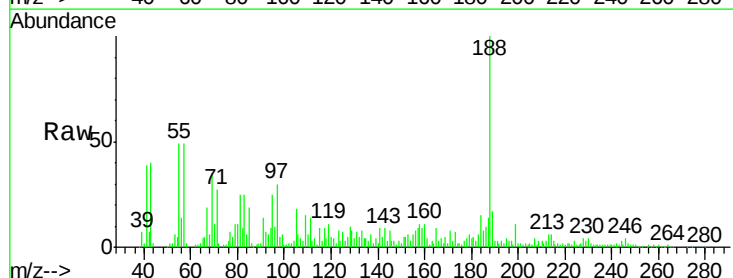
Tgt Ion:188 Resp: 121991

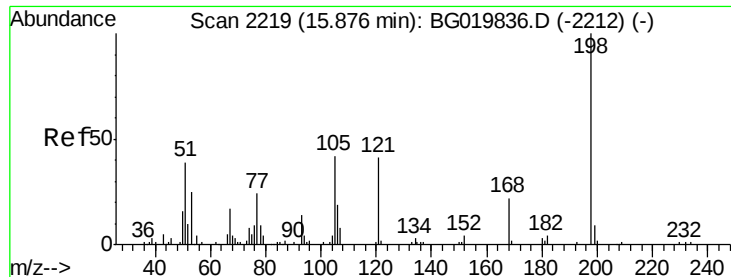
Ion Ratio Lower Upper

188 100

94 9.5 7.7 11.5

80 11.2 7.8 11.8

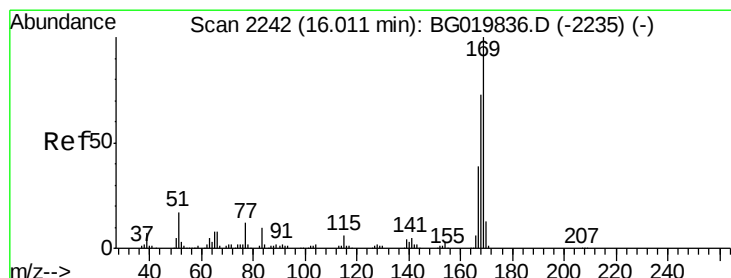
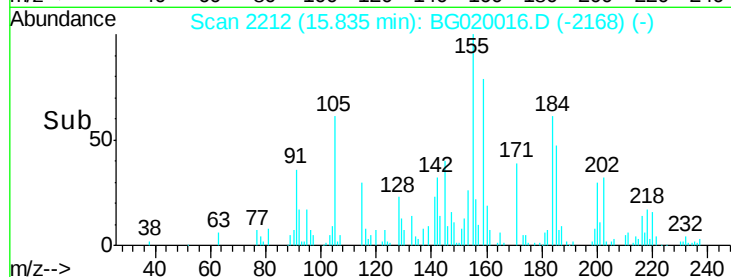
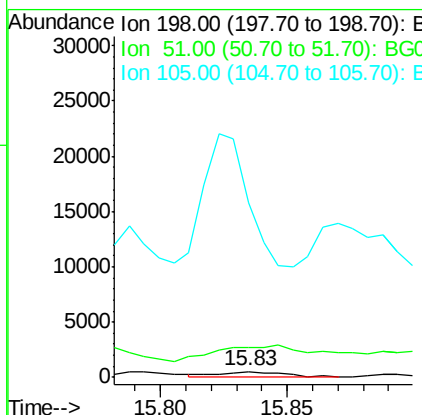
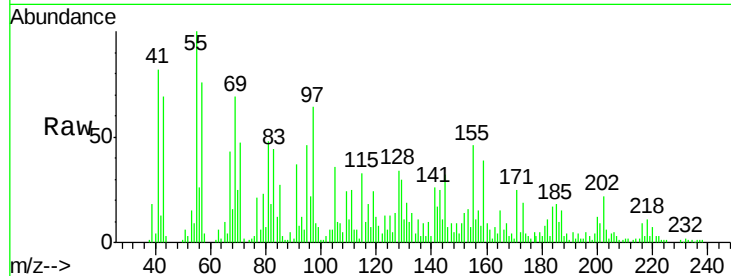




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.36 ng
 RT: 15.83 min Scan# 2212
 Delta R.T. -0.04 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

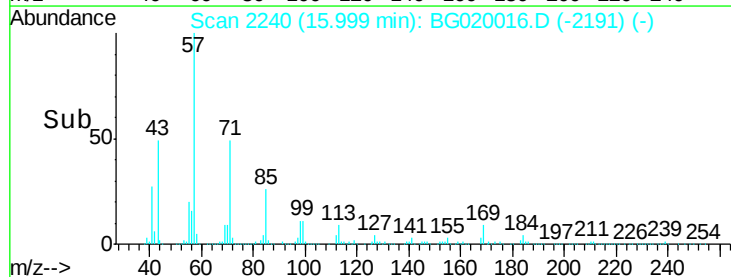
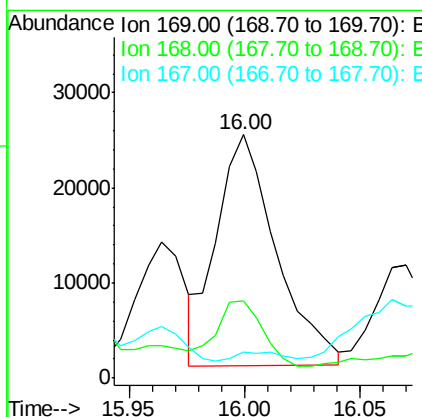
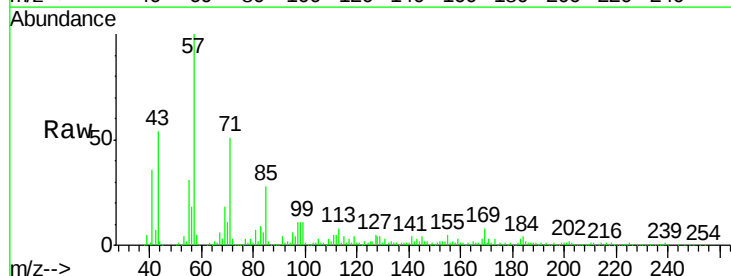
Instrument :
 BNA_G
 ClientSampled :
 UST-3

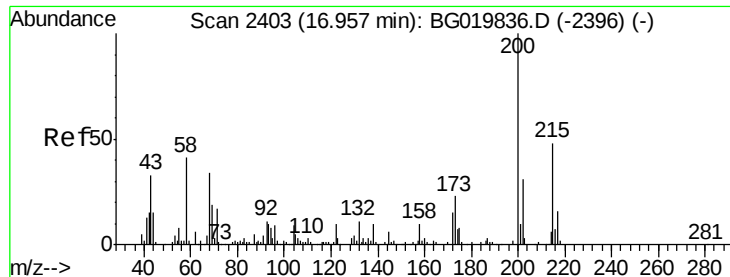
Tgt Ion:198 Resp: 986
 Ion Ratio Lower Upper
 198 100
 51 520.4 14.2 54.2#
 105 3067.9 21.1 61.1#



#65
 n-Nitrosodiphenylamine
 Concen: 12.43 ng
 RT: 16.00 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

Tgt Ion:169 Resp: 43876
 Ion Ratio Lower Upper
 169 100
 168 32.0 58.2 87.2#
 167 10.5 32.7 49.1#

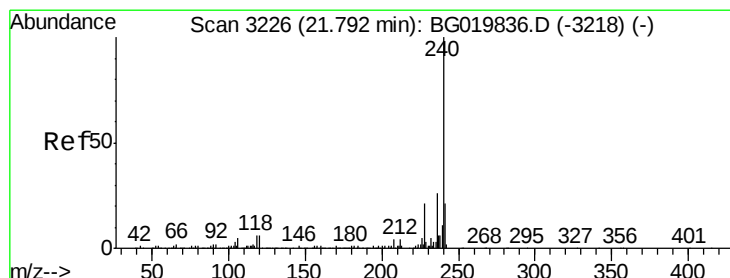
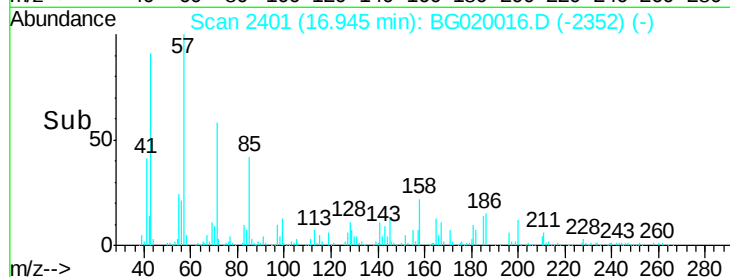
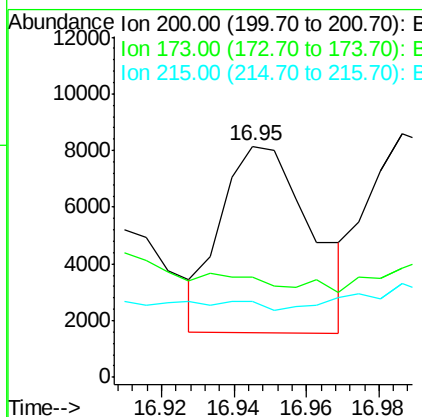
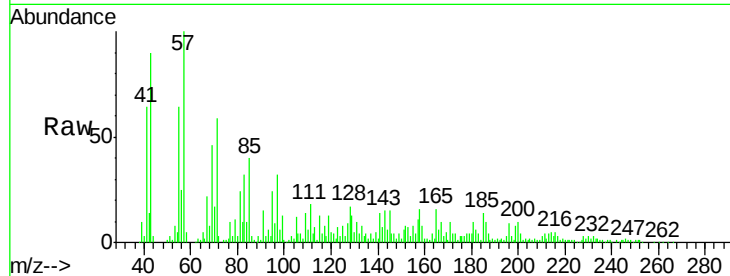




#68
Atrazine
Concen: 7.43 ng
RT: 16.95 min Scan# 2401
Delta R.T. -0.01 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

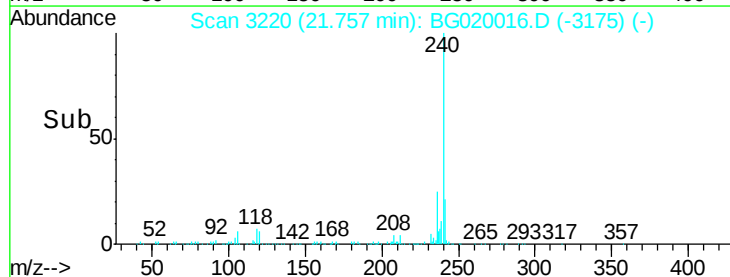
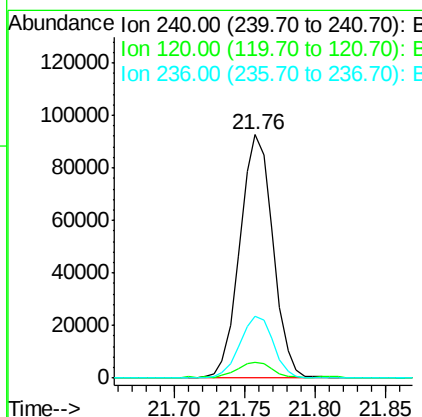
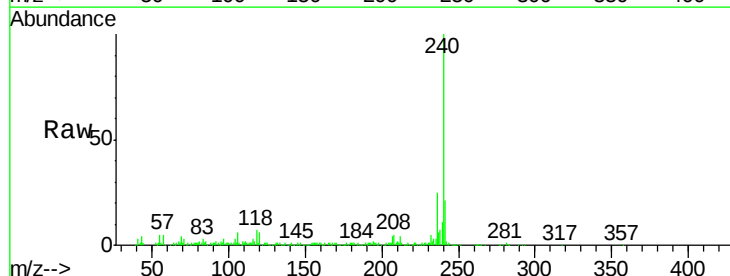
Instrument :
BNA_G
ClientSampleId :
UST-3

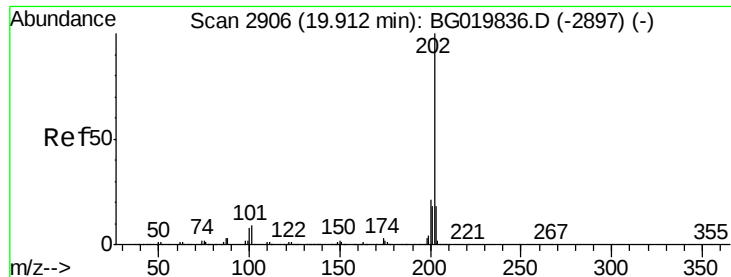
Tgt Ion:200 Resp: 11397
Ion Ratio Lower Upper
200 100
173 43.2 5.2 45.2
215 32.8 27.0 67.0



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.04 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Tgt Ion:240 Resp: 152327
Ion Ratio Lower Upper
240 100
120 6.4 7.4 11.0#
236 25.2 20.7 31.1

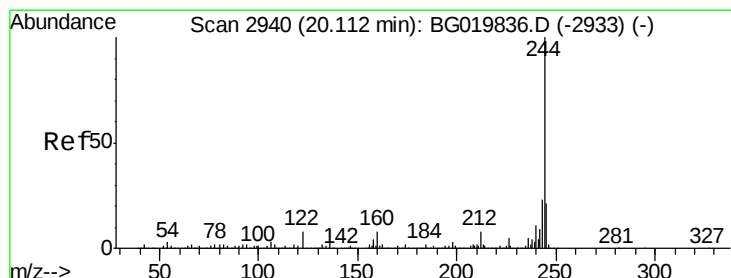
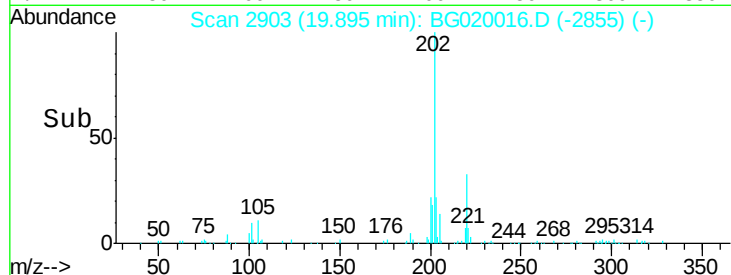
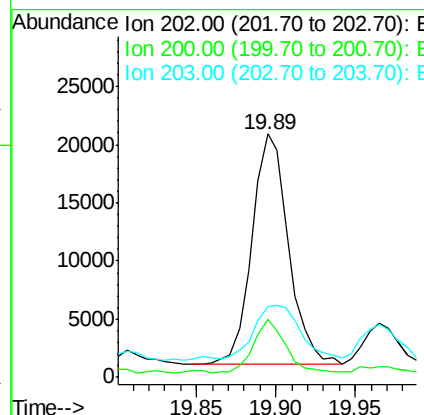
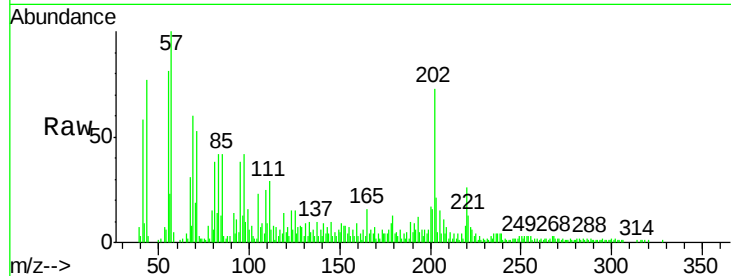




#77
 Pyrene
 Concen: 3.55 ng
 RT: 19.89 min Scan# 2903
 Delta R.T. -0.02 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

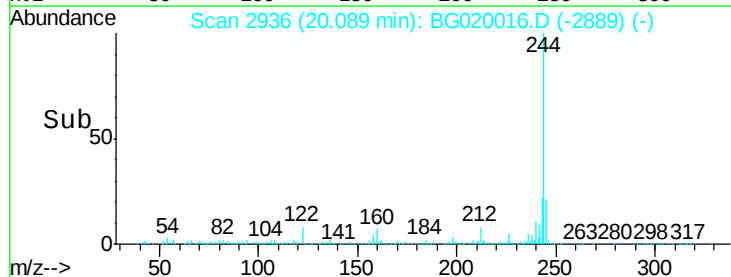
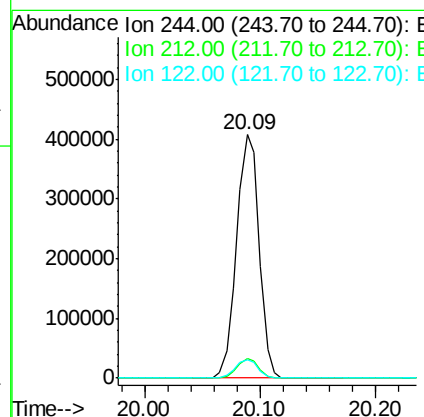
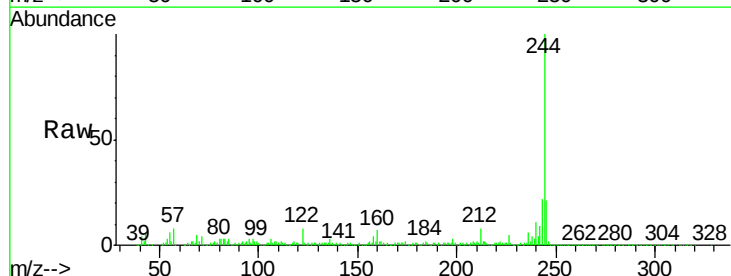
Instrument :
 BNA_G
 ClientSampled :
 UST-3

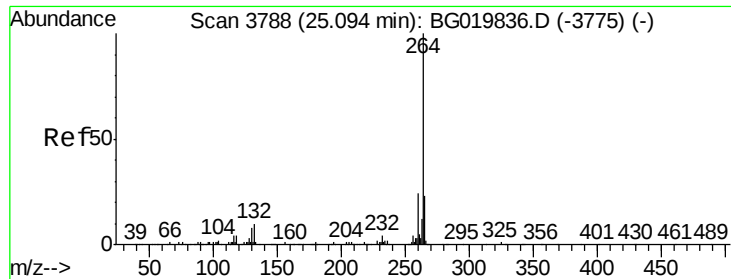
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	19.4	29.0
203	29.0	15.5	23.3#



#78
 Terphenyl-d14
 Concen: 88.00 ng
 RT: 20.09 min Scan# 2936
 Delta R.T. -0.02 min
 Lab File: BG020016.D
 Acq: 8 Dec 2015 13:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.9	10.3
122	7.8	10.2	15.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.04 min Scan# 3778
Delta R.T. -0.06 min
Lab File: BG020016.D
Acq: 8 Dec 2015 13:47

Instrument :
BNA_G
ClientSampleId :
UST-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.1	17.2	25.8

