

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
 Data File : BG023903.D
 Acq On : 25 Aug 2016 21:05
 Operator : UM/SJ
 Sample : H4592-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-9R

Quant Time: Aug 26 01:06:09 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 24 17:42:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	119665	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	524977	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	336859	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	782379	20.00	ng	0.00
75) Chrysene-d12	21.84	240	823666	20.00	ng	0.00
86) Perylene-d12	25.22	264	811153	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	402229	56.58	ng	0.00
7) Phenol-d6	7.25	99	386642	34.92	ng	0.00
23) Nitrobenzene-d5	9.27	82	855586	81.02	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	534955	108.57	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	1686903	84.46	ng	0.00
78) Terphenyl-d14	20.14	244	2254511	85.85	ng	0.00

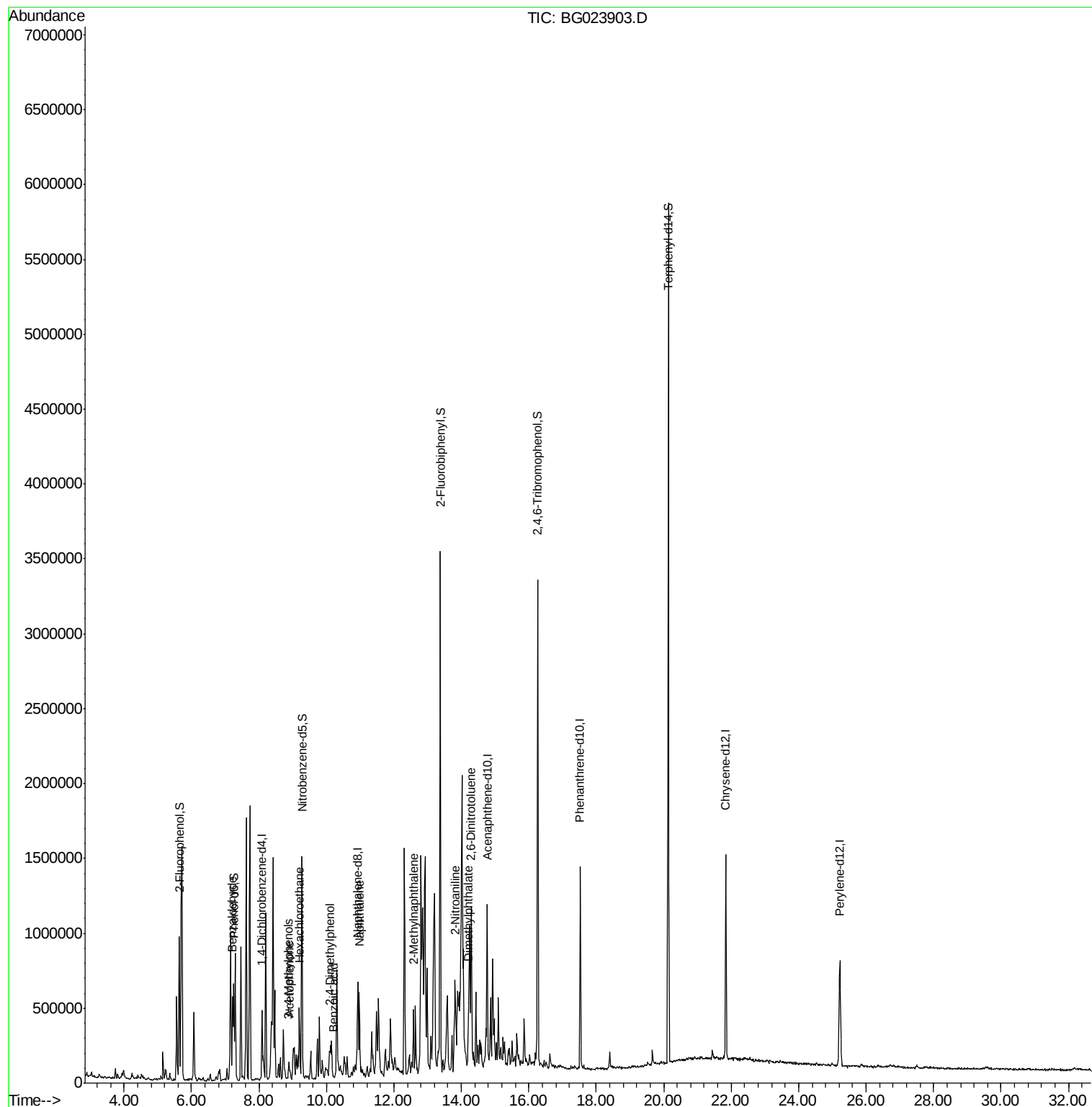
Target Compounds						Qvalue
9) Benzaldehyde	7.21	77	50259	5.56	ng	# 1
18) Hexachloroethane	9.20	117	48822	13.55	ng	# 1
20) 3+4-Methylphenols	8.88	107	27662	2.47	ng	# 81
22) Acetophenone	8.89	105	88137	6.13	ng	# 58
27) 2,4-Dimethylphenol	10.09	122	36573	4.35	ng	84
31) Naphthalene	10.97	128	404933	15.15	ng	98
32) Benzoic acid	10.21	122	1936	6.66	ng	# 46
37) 2-Methylnaphthalene	12.58	142	163549	8.05	ng	# 92
47) 2-Nitroaniline	13.82	65	33212	4.02	ng	# 55
49) Dimethylphthalate	14.21	163	125482	4.86	ng	# 64
50) 2,6-Dinitrotoluene	14.29	165	19189	3.14	ng	# 28
73) Di-n-butylphthalate	18.47	149	3203	Below	Cal	# 69
74) Fluoranthene	19.37	202	352	Below	Cal	78
77) Pyrene	19.95	202	1180	Below	Cal	# 1

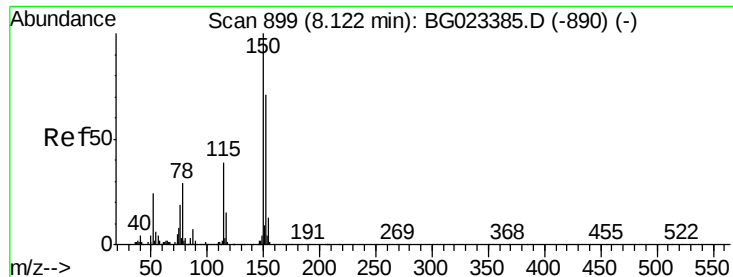
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 894

Delta R.T. -0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampleId :

MW-9R

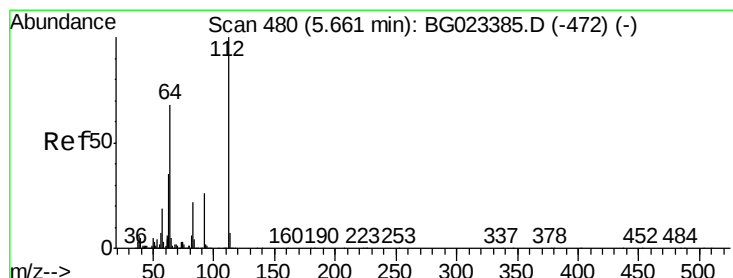
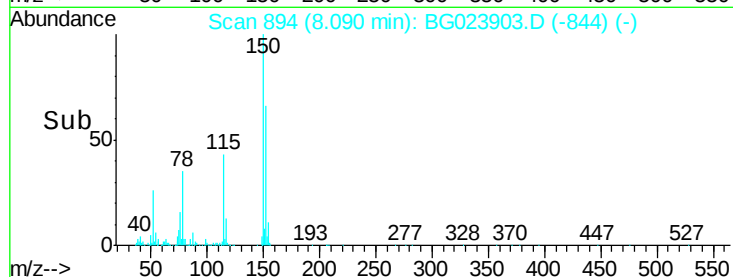
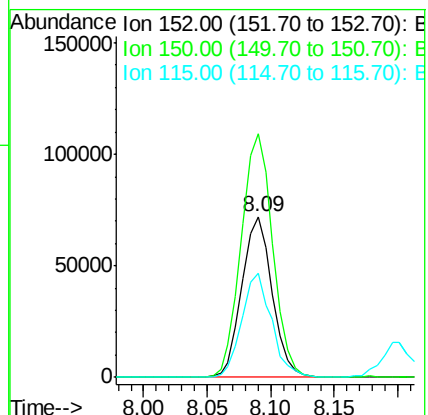
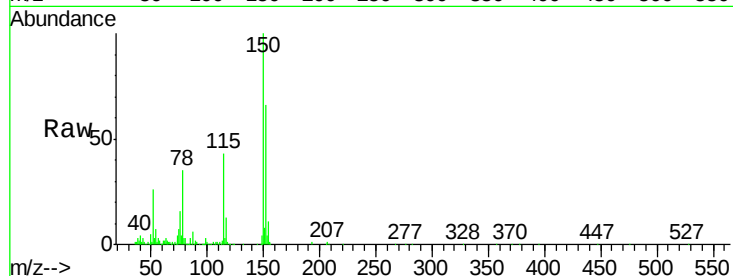
Tgt Ion:152 Resp: 119665

Ion Ratio Lower Upper

152 100

150 151.6 144.7 217.1

115 64.5 64.0 96.0



#5

2-Fluorophenol

Concen: 56.58 ng

RT: 5.63 min Scan# 476

Delta R.T. -0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

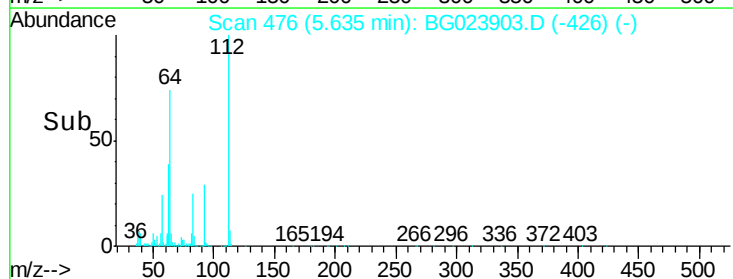
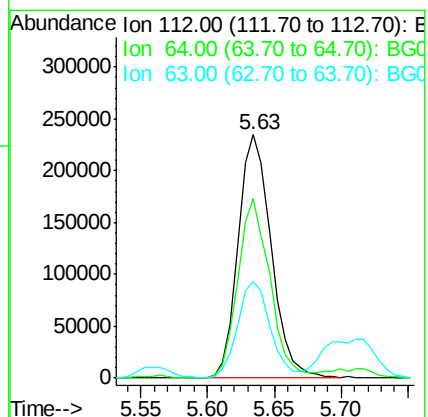
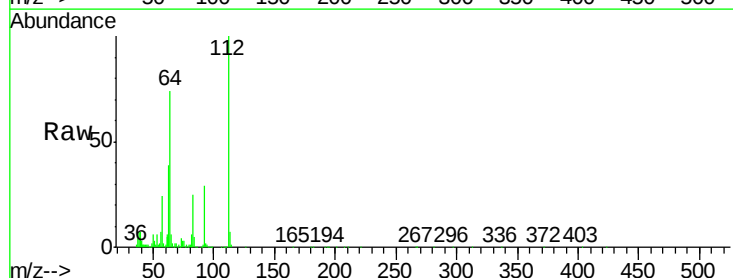
Tgt Ion:112 Resp: 402229

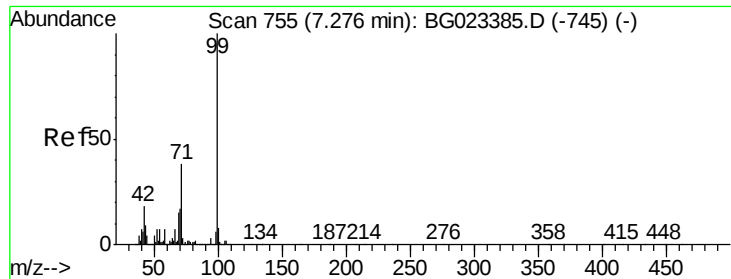
Ion Ratio Lower Upper

112 100

64 73.8 59.0 88.4

63 39.5 37.8 56.8





#7

Phenol-d6

Concen: 34.92 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampled :

MW-9R

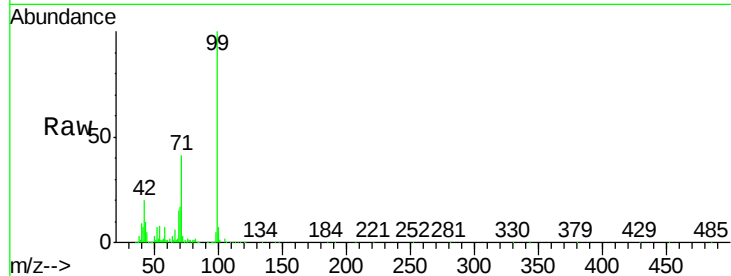
Tgt Ion: 99 Resp: 386642

Ion Ratio Lower Upper

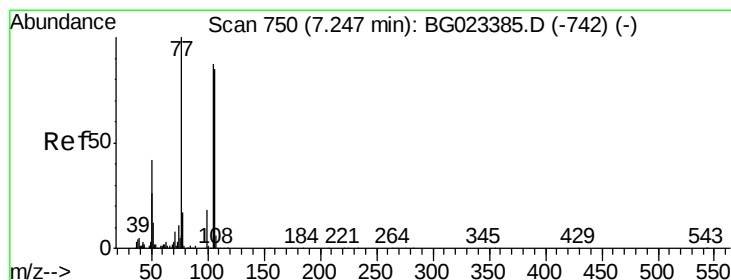
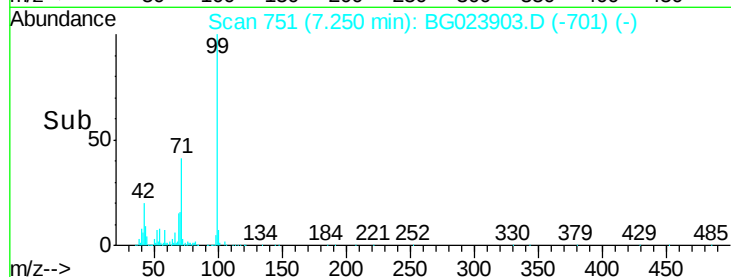
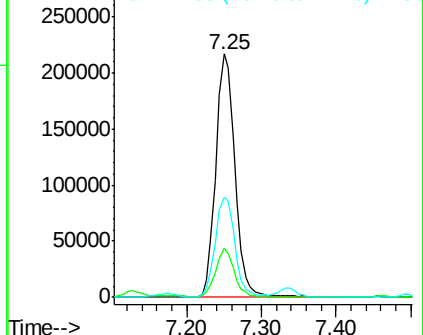
99 100

42 20.0 17.8 26.6

71 41.0 41.5 62.3#



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: 5.56 ng

RT: 7.21 min Scan# 745

Delta R.T. -0.01 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

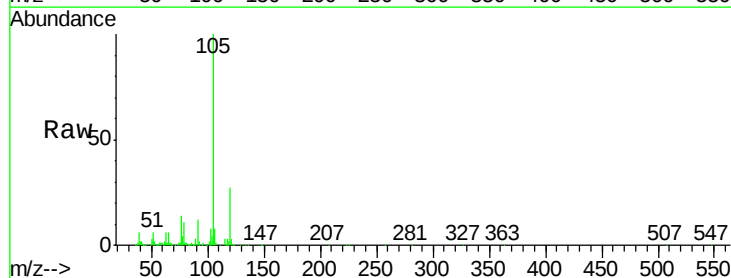
Tgt Ion: 77 Resp: 50259

Ion Ratio Lower Upper

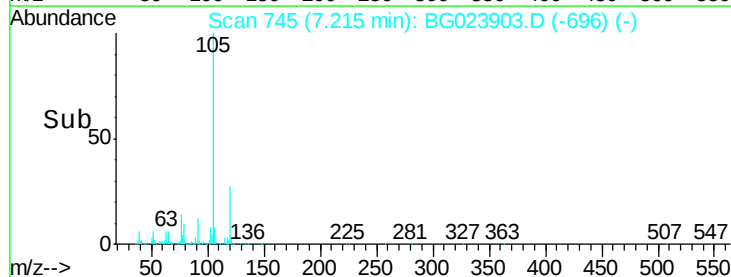
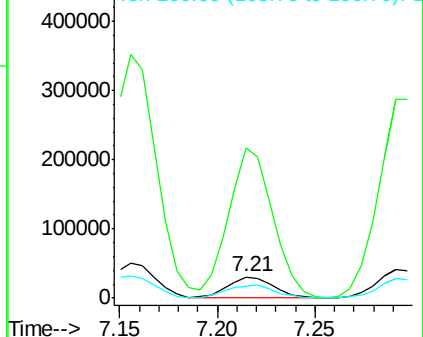
77 100

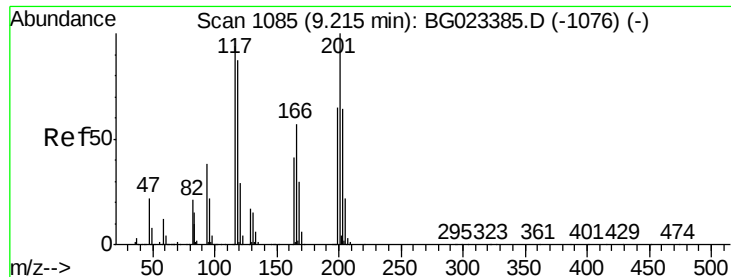
105 695.4 58.7 98.7#

106 57.6 67.5 107.5#



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

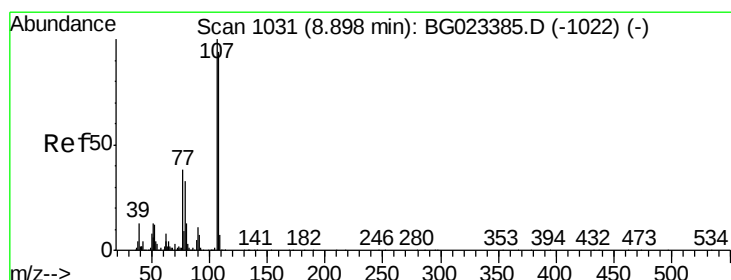
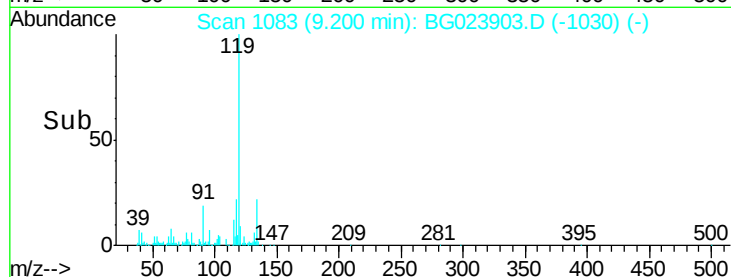
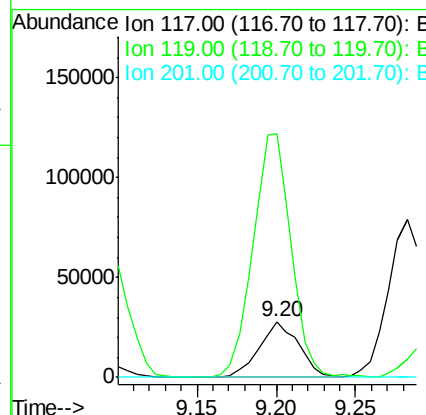
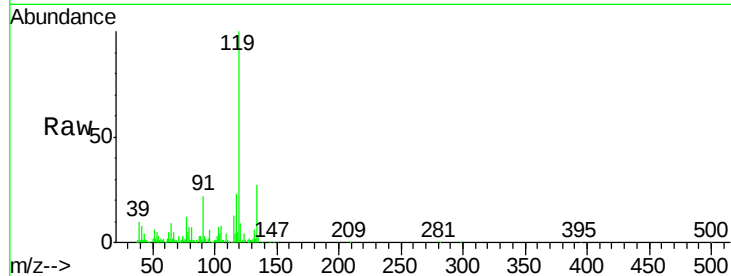




#18
Hexachloroethane
Concen: 13.55 ng
RT: 9.20 min Scan# 1083
Delta R.T. 0.01 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

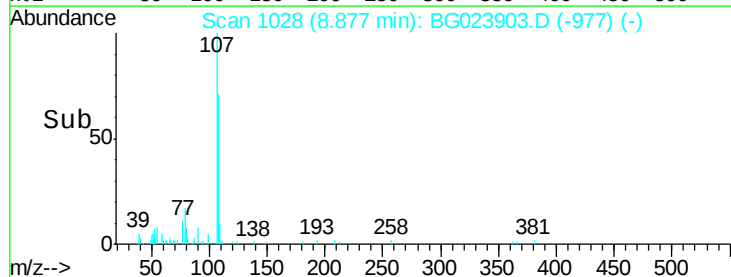
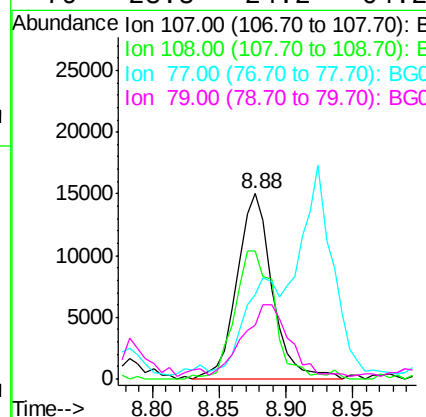
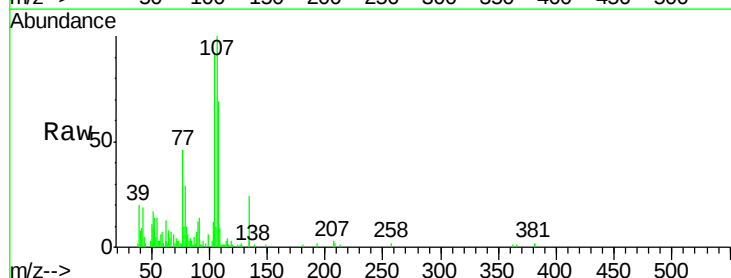
Instrument :
BNA_G
ClientSampleId :
MW-9R

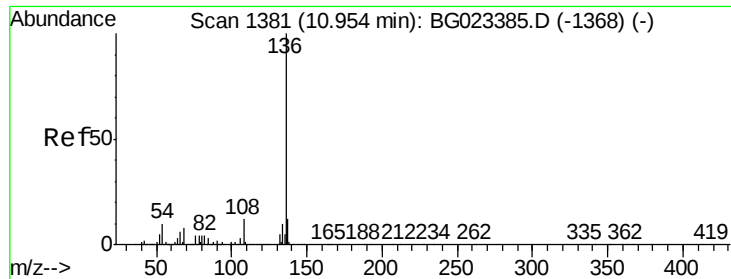
Tgt Ion:117 Resp: 48822
Ion Ratio Lower Upper
117 100
119 437.6 73.7 110.5#
201 0.0 88.7 133.1#



#20
3+4-Methylphenols
Concen: 2.47 ng
RT: 8.88 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

Tgt Ion:107 Resp: 27662
Ion Ratio Lower Upper
107 100
108 68.9 72.5 112.5#
77 46.0 30.1 70.1
79 28.8 24.2 64.2

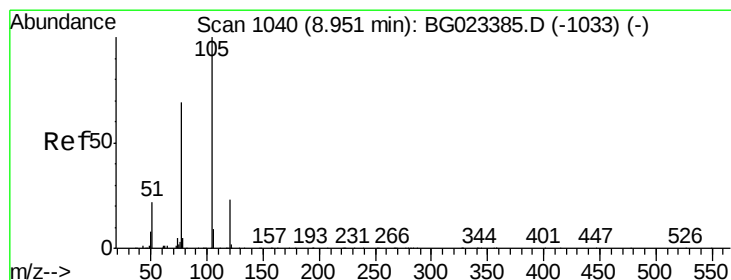
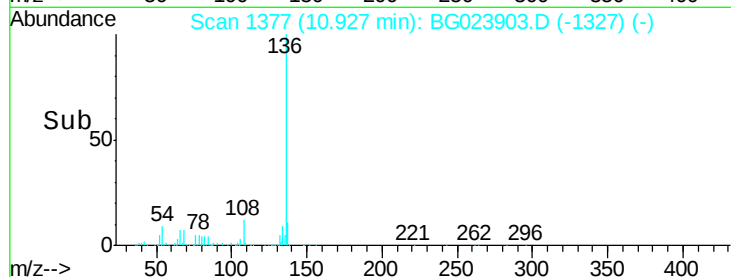
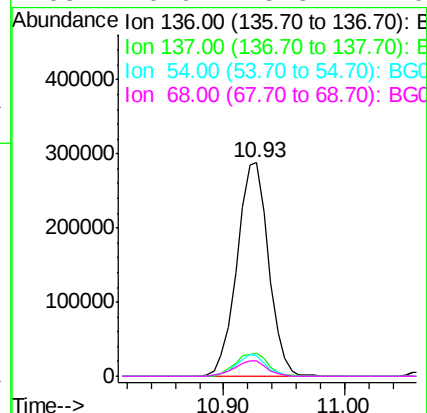
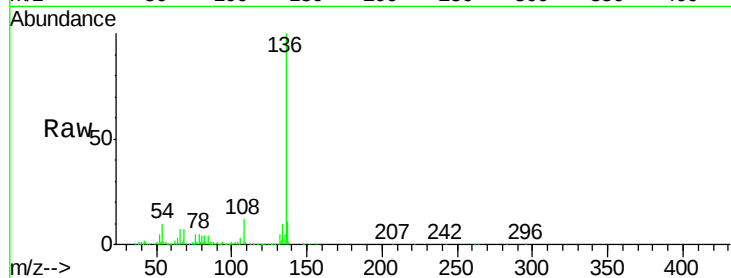




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

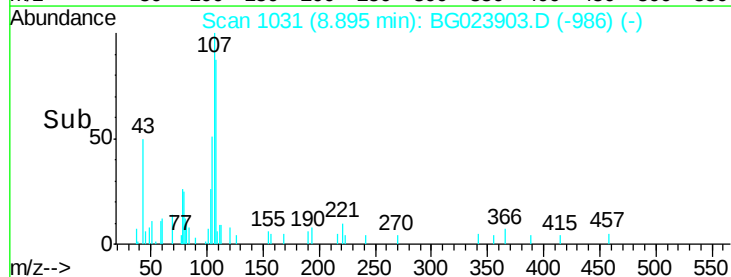
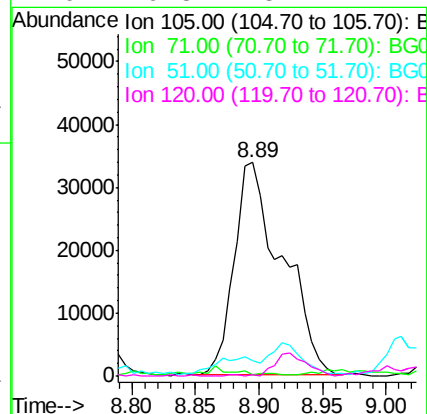
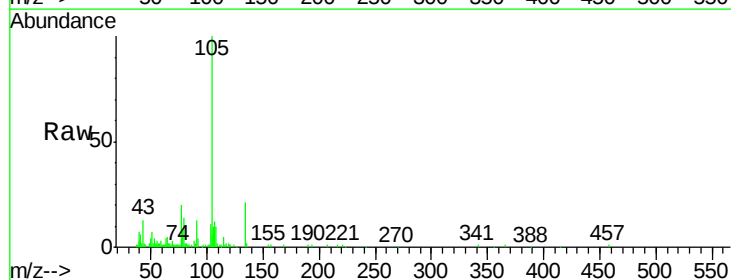
Instrument :
BNA_G
ClientSampleId :
MW-9R

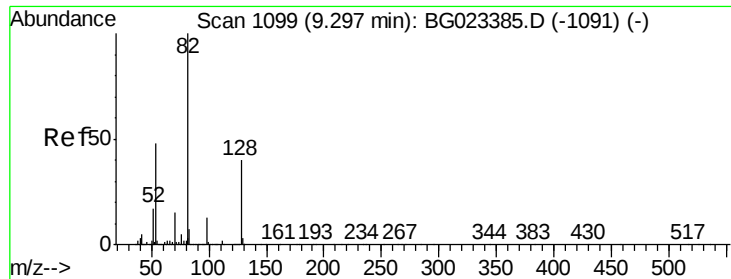
Tgt Ion:	136	Resp:	524977
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	9.5	7.3	10.9
68	6.9	5.3	7.9



#22
Acetophenone
Concen: 6.13 ng
RT: 8.89 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

Tgt Ion:	105	Resp:	88137
Ion	Ratio	Lower	Upper
105	100		
71	0.7	2.6	3.8#
51	7.5	27.1	40.7#
120	0.8	15.1	22.7#

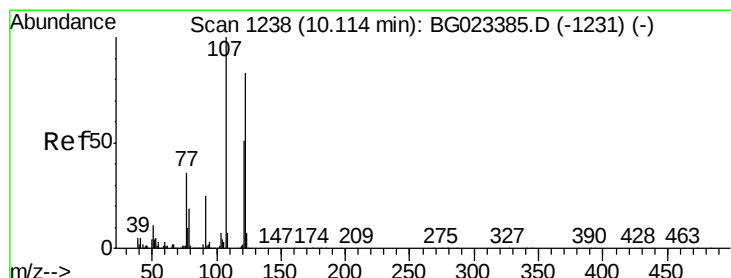
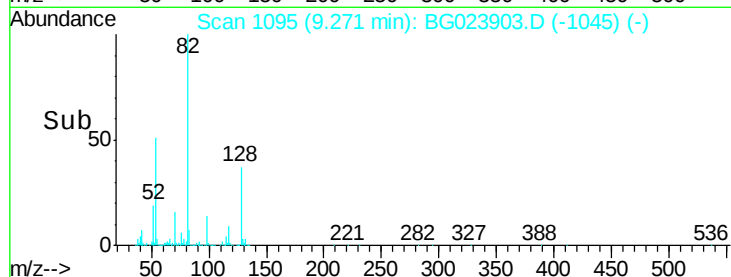
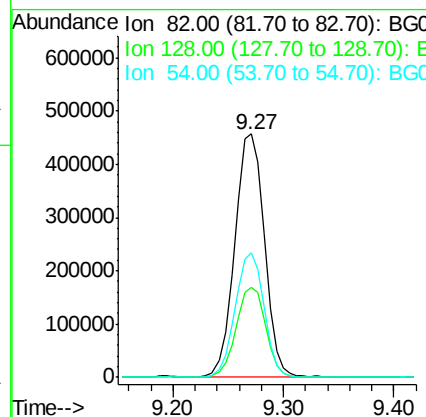
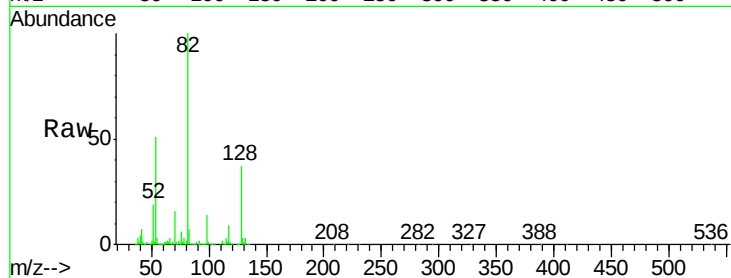




#23
 Nitrobenzene-d5
 Concen: 81.02 ng
 RT: 9.27 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: BG023903.D
 Acq: 25 Aug 2016 21:05

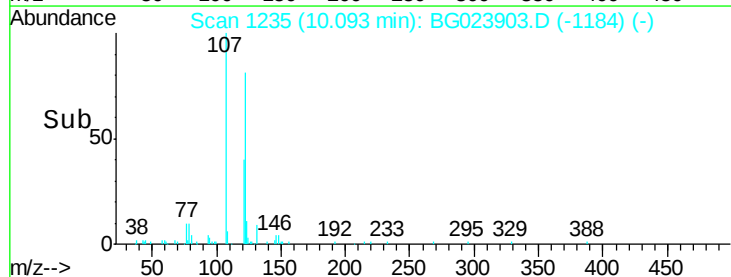
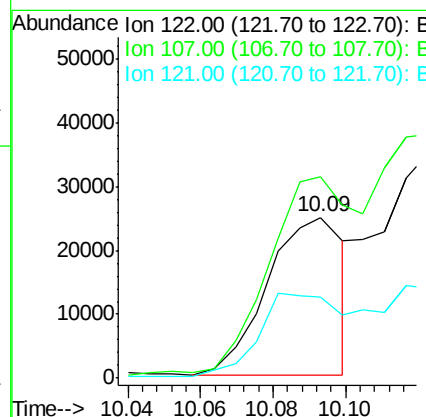
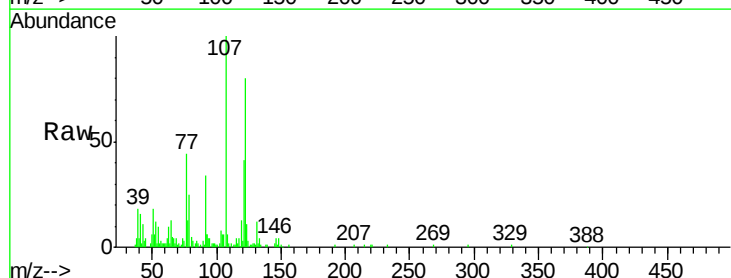
Instrument :
 BNA_G
 ClientSampleId :
 MW-9R

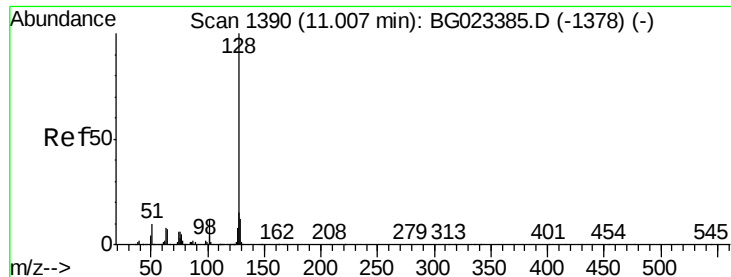
Tgt Ion: 82 Resp: 855586
 Ion Ratio Lower Upper
 82 100
 128 37.2 24.4 36.6#
 54 51.0 41.4 62.0



#27
 2,4-Dimethylphenol
 Concen: 4.35 ng
 RT: 10.09 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: BG023903.D
 Acq: 25 Aug 2016 21:05

Tgt Ion: 122 Resp: 36573
 Ion Ratio Lower Upper
 122 100
 107 125.1 117.0 175.4
 121 50.8 50.1 75.1





#31

Naphthalene

Concen: 15.15 ng

RT: 10.97 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampleId :

MW-9R

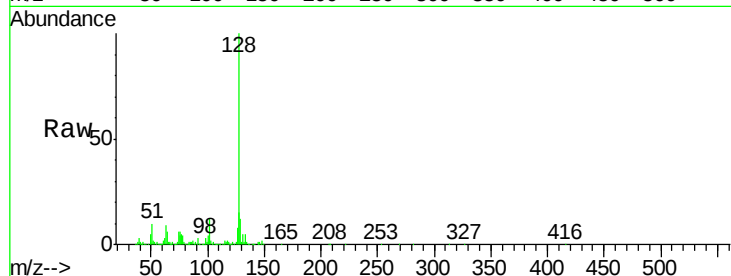
Tgt Ion:128 Resp: 404933

Ion Ratio Lower Upper

128 100

129 12.4 9.4 14.0

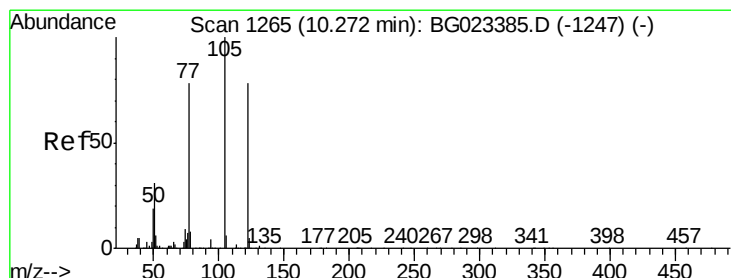
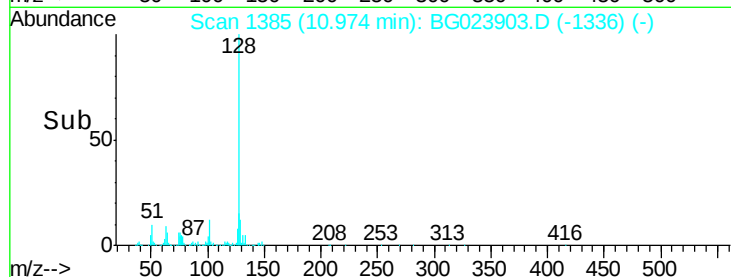
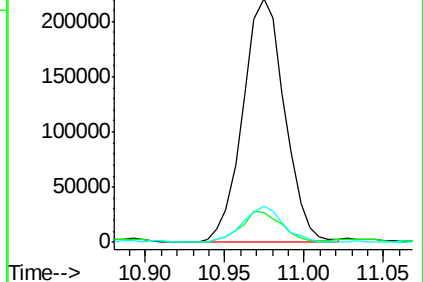
127 14.8 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.66 ng

RT: 10.21 min Scan# 1255

Delta R.T. -0.06 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

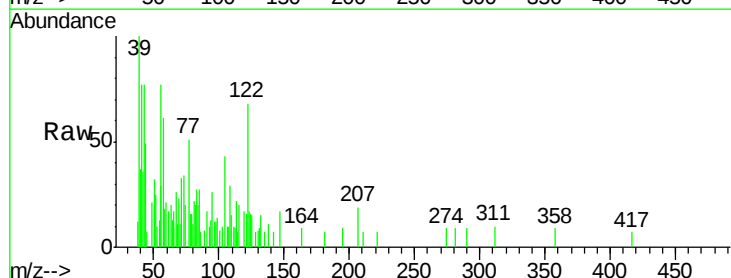
Tgt Ion:122 Resp: 1936

Ion Ratio Lower Upper

122 100

105 63.2 117.2 157.2#

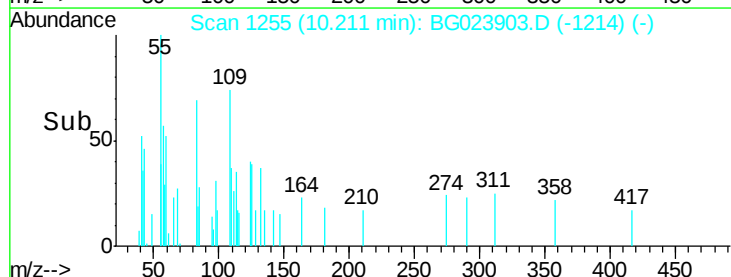
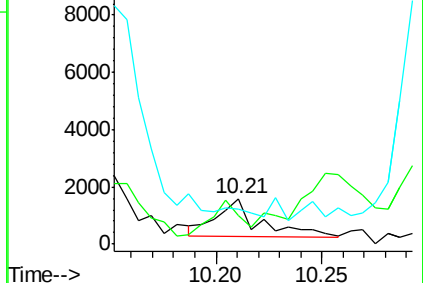
77 75.5 109.2 149.2#

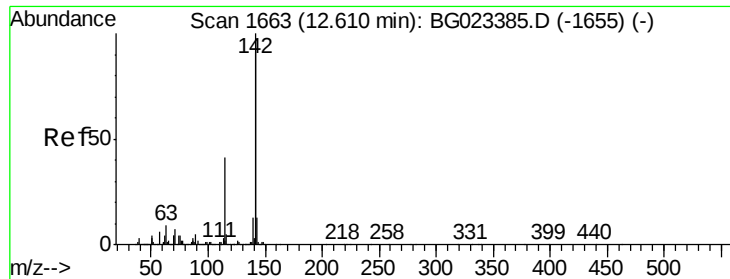


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

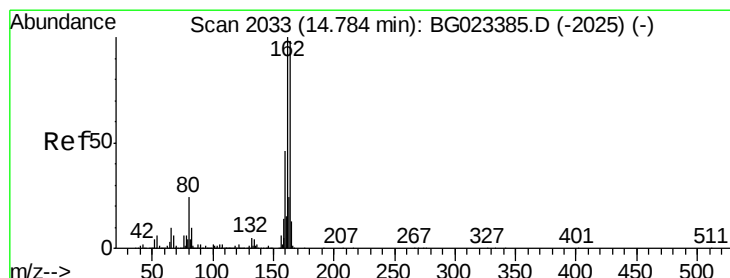
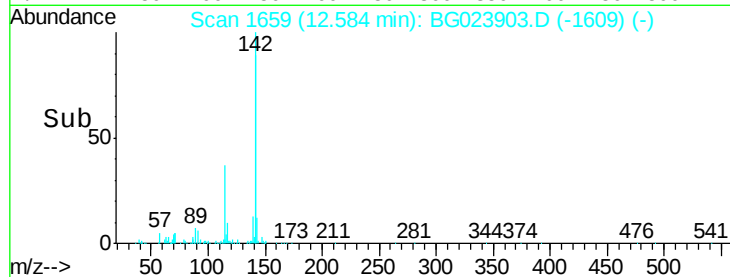
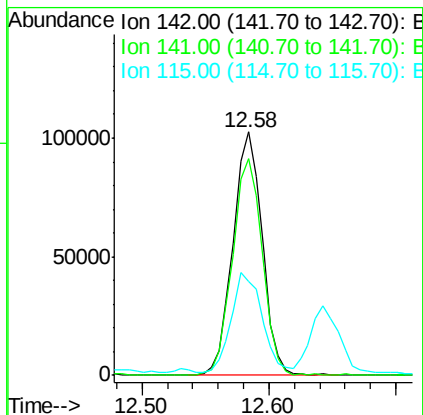
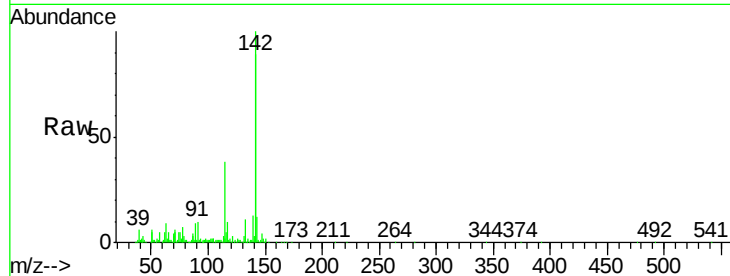




#37
2-Methylnaphthalene
Concen: 8.05 ng
RT: 12.58 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

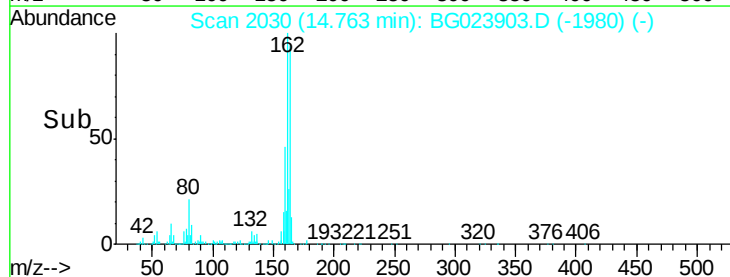
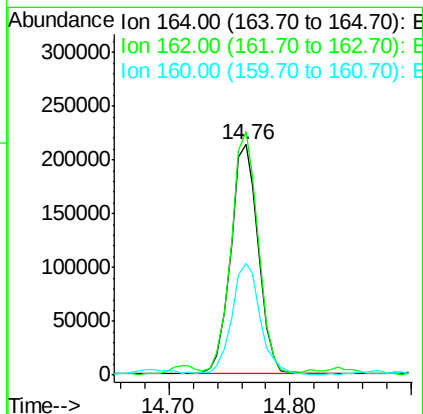
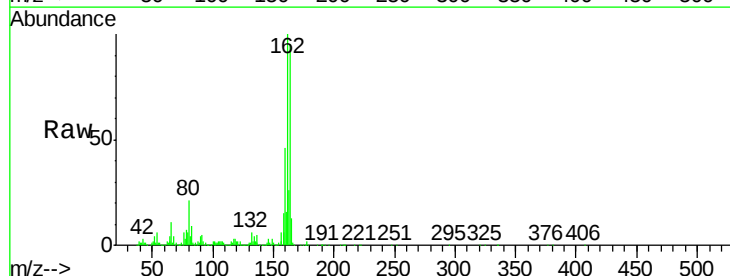
Instrument :
BNA_G
ClientSampleId :
MW-9R

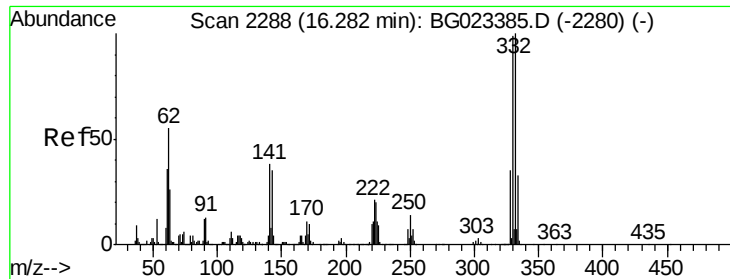
Tgt Ion:142 Resp: 163549
Ion Ratio Lower Upper
142 100
141 89.1 70.2 105.2
115 38.4 41.7 62.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

Tgt Ion:164 Resp: 336859
Ion Ratio Lower Upper
164 100
162 105.6 87.7 131.5
160 48.5 37.2 55.8

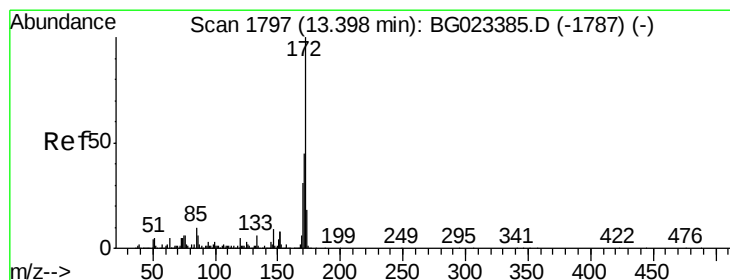
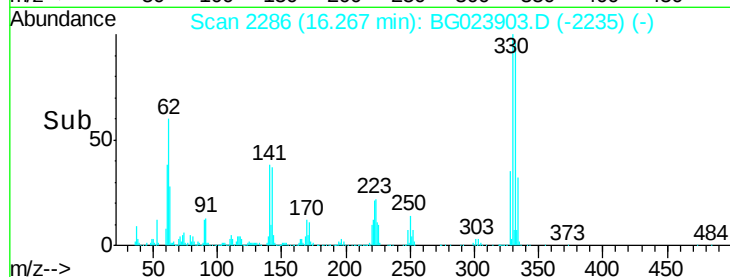
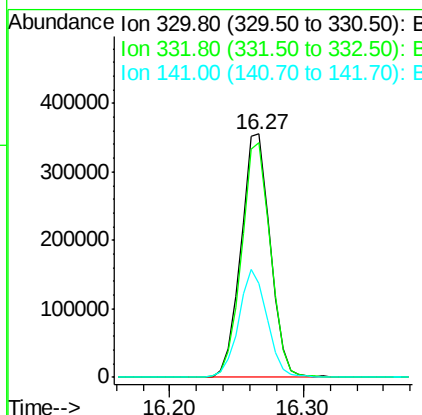
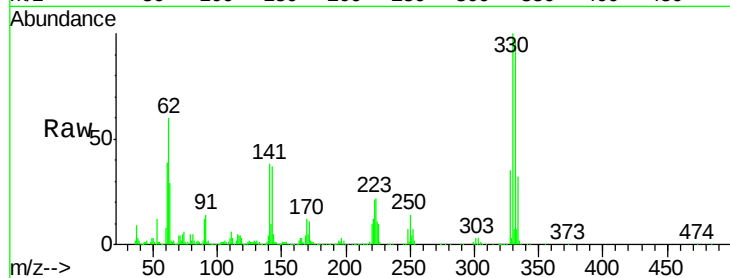




#41
 2,4,6-Tribromophenol
 Concen: 108.57 ng
 RT: 16.27 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: BG023903.D
 Acq: 25 Aug 2016 21:05

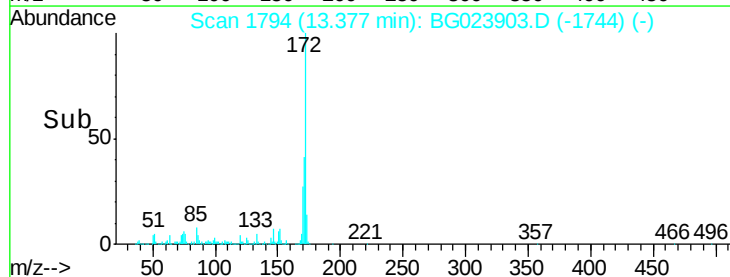
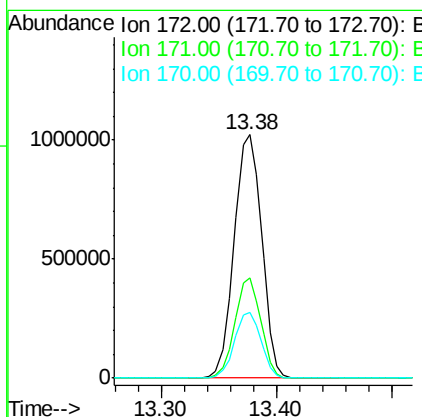
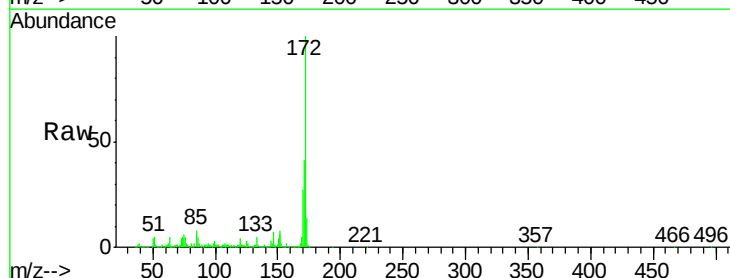
Instrument :
 BNA_G
 ClientSampleId :
 MW-9R

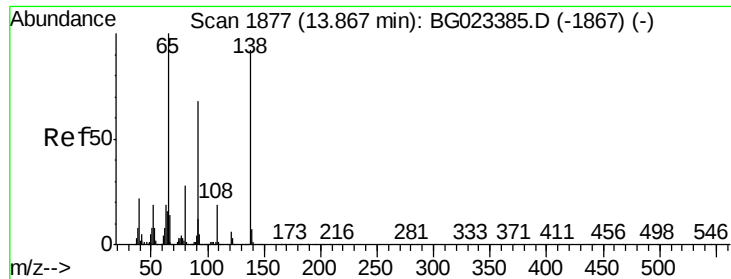
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.2
141	42.8	31.7	47.5



#44
 2-Fluorobiphenyl
 Concen: 84.46 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BG023903.D
 Acq: 25 Aug 2016 21:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.1	31.6	47.4
170	27.1	21.3	31.9





#47

2-Nitroaniline

Concen: 4.02 ng

RT: 13.82 min Scan# 1869

Delta R.T. -0.03 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampleId :

MW-9R

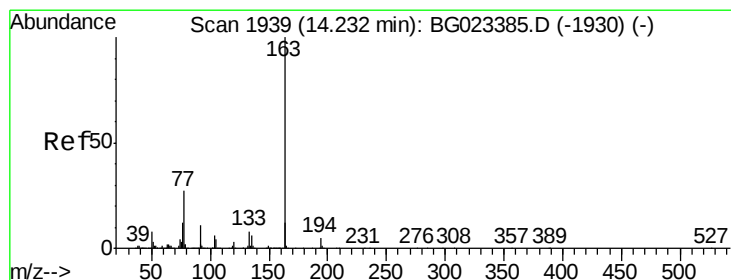
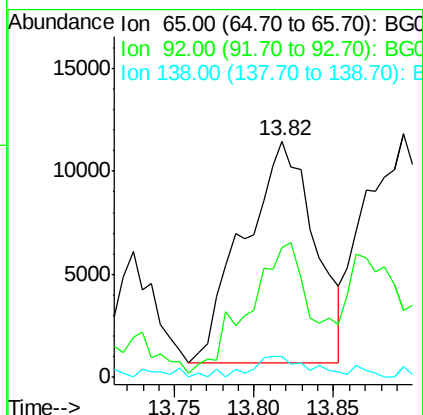
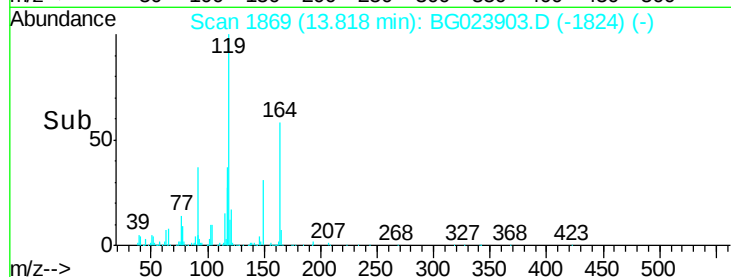
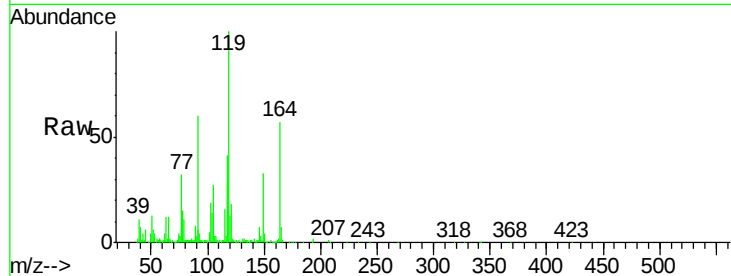
Tgt Ion: 65 Resp: 33212

Ion Ratio Lower Upper

65 100

92 54.7 49.4 74.0

138 8.9 58.0 87.0#



#49

Dimethylphthalate

Concen: 4.86 ng

RT: 14.21 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

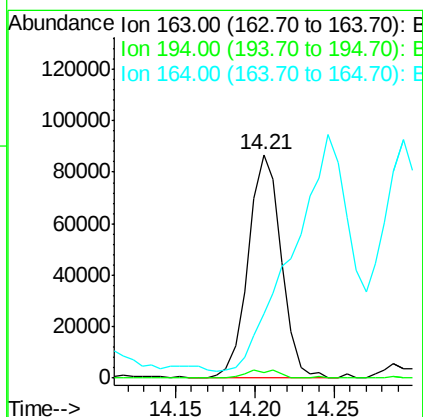
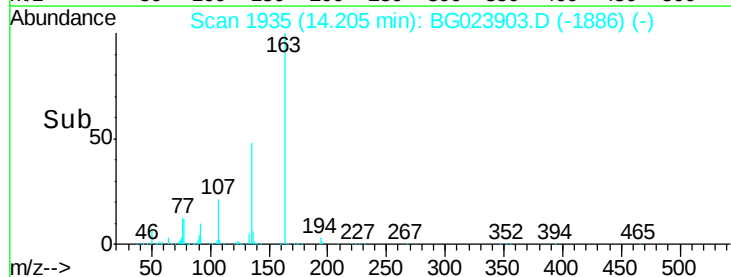
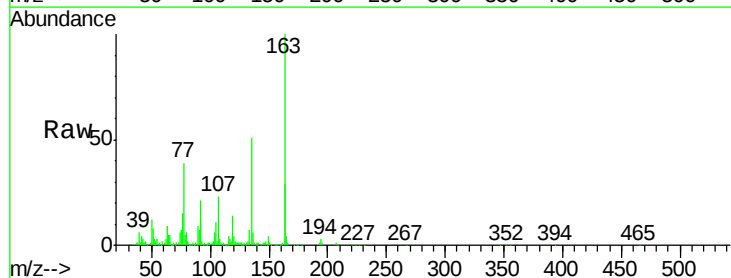
Tgt Ion: 163 Resp: 125482

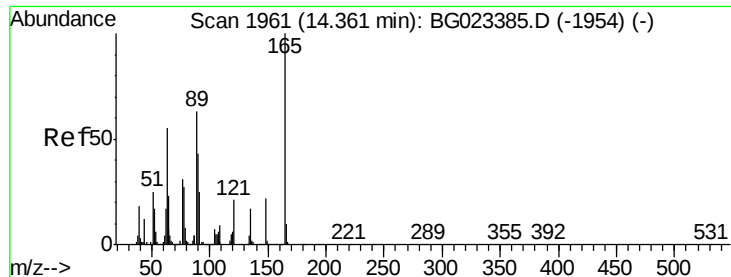
Ion Ratio Lower Upper

163 100

194 2.6 3.6 5.4#

164 28.7 8.1 12.1#

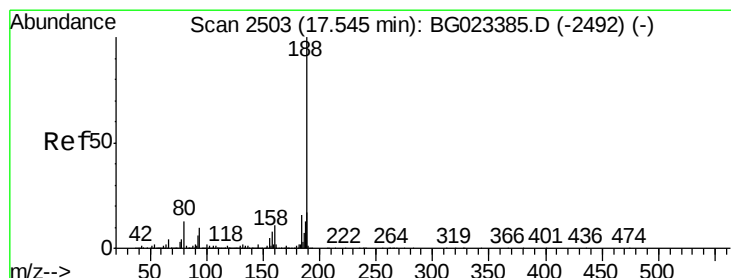
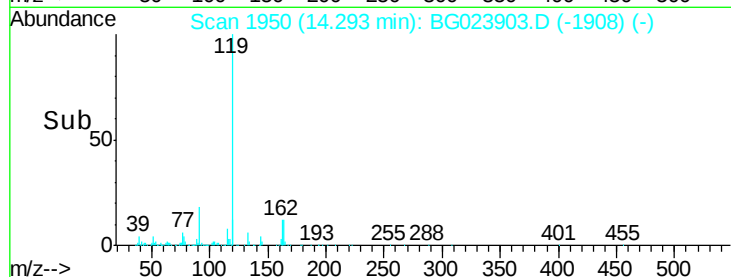
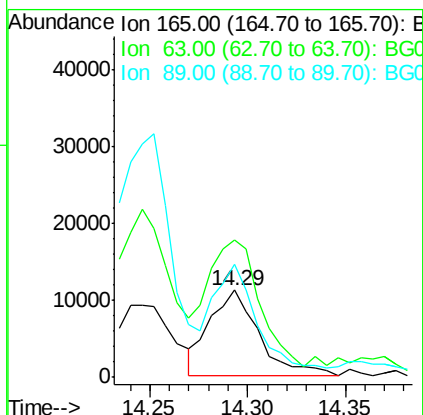
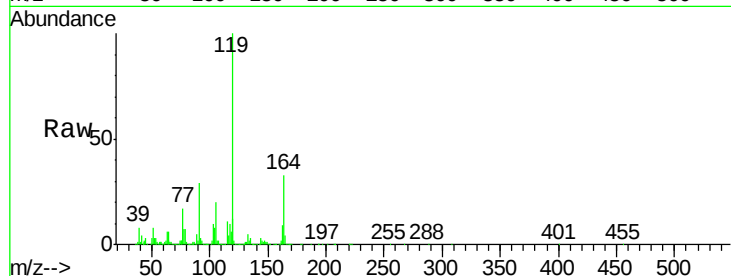




#50
2,6-Dinitrotoluene
Concen: 3.14 ng
RT: 14.29 min Scan# 1950
Delta R.T. -0.05 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

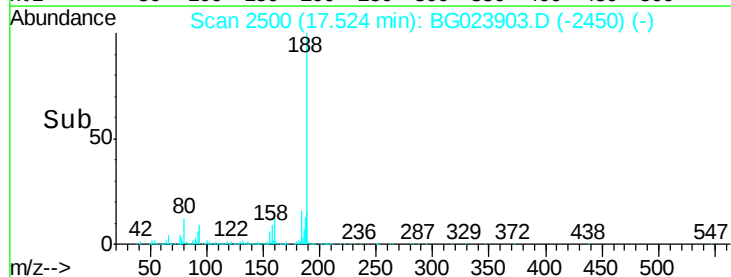
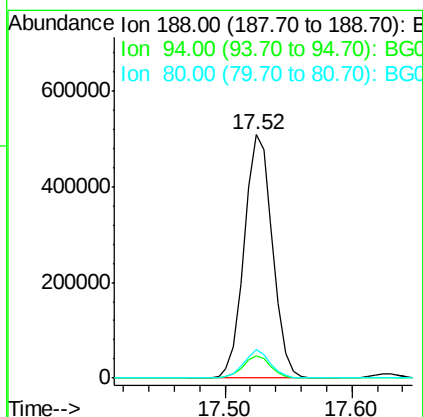
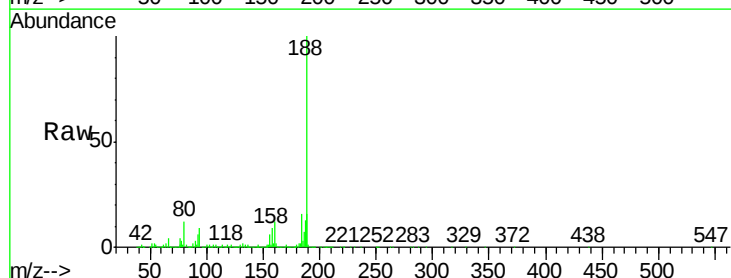
Instrument :
BNA_G
ClientSampleId :
MW-9R

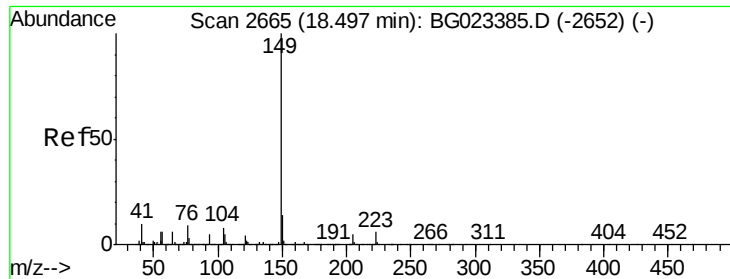
Tgt Ion:165 Resp: 19189
Ion Ratio Lower Upper
165 100
63 157.7 64.3 96.5#
89 130.2 64.3 96.5#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.52 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

Tgt Ion:188 Resp: 782379
Ion Ratio Lower Upper
188 100
94 8.9 5.2 7.8#
80 11.6 7.2 10.8#

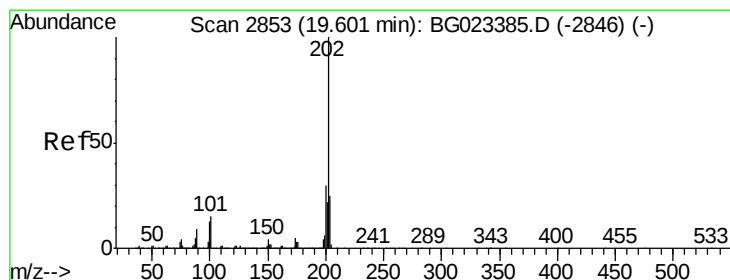
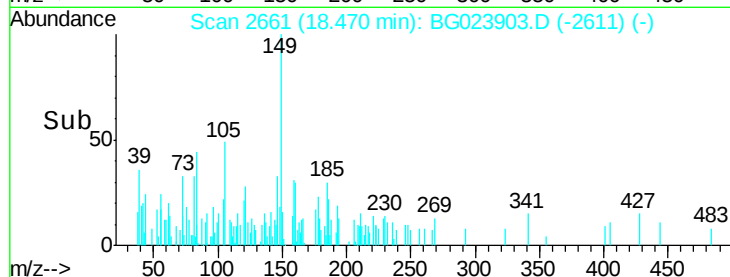
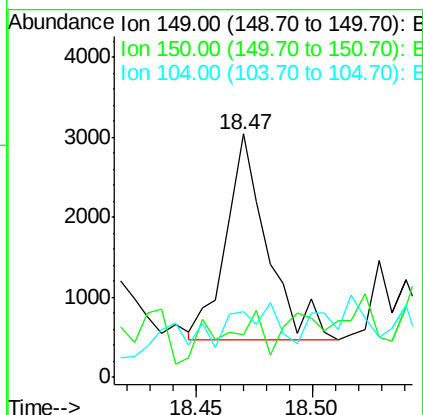
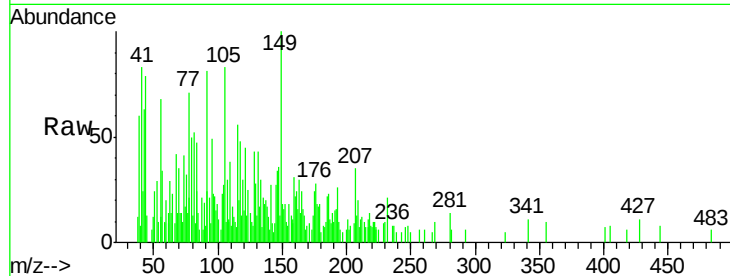




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.47 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

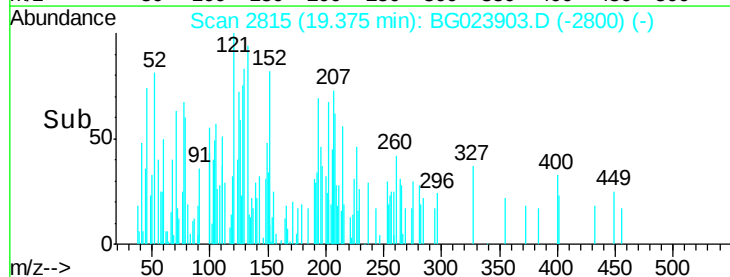
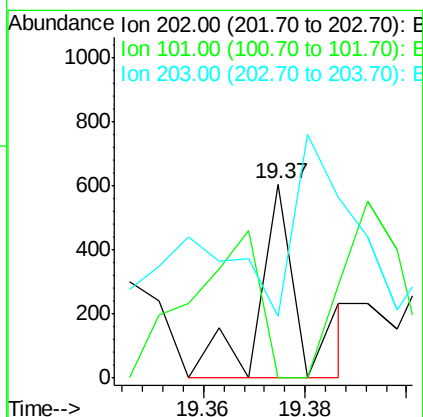
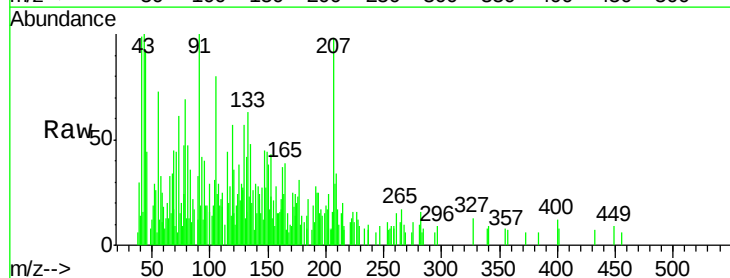
Instrument :
BNA_G
ClientSampleId :
MW-9R

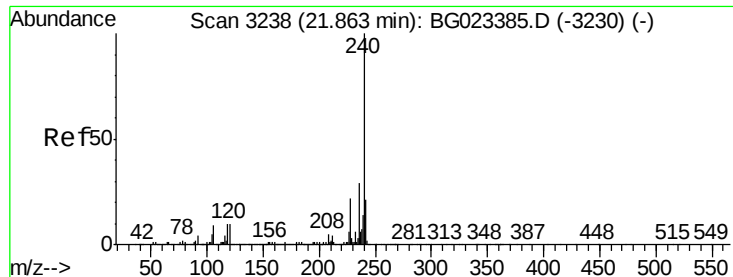
Tgt Ion:149 Resp: 3203
Ion Ratio Lower Upper
149 100
150 17.6 9.1 13.7#
104 26.9 6.9 10.3#



#74
Fluoranthene
Concen: Below Cal
RT: 19.37 min Scan# 2815
Delta R.T. -0.21 min
Lab File: BG023903.D
Acq: 25 Aug 2016 21:05

Tgt Ion:202 Resp: 352
Ion Ratio Lower Upper
202 100
101 0.0 0.0 27.4
203 32.0 1.7 41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3235

Delta R.T. -0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampleId :

MW-9R

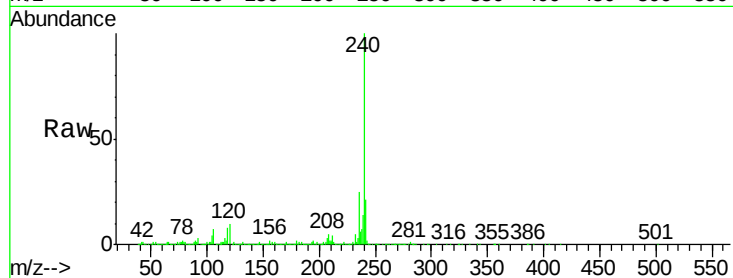
Tgt Ion:240 Resp: 823666

Ion Ratio Lower Upper

240 100

120 9.7 4.1 6.1#

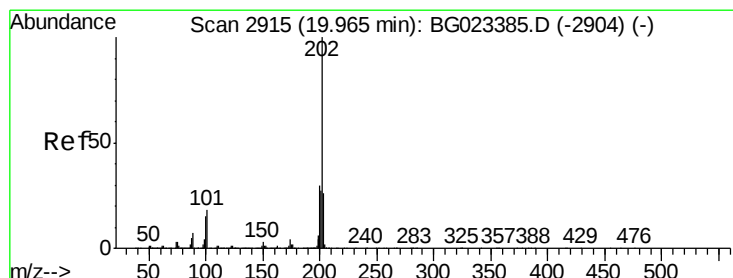
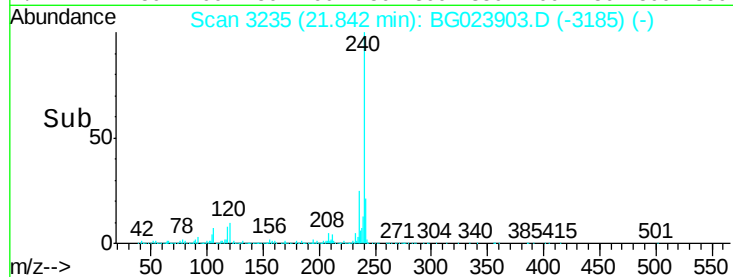
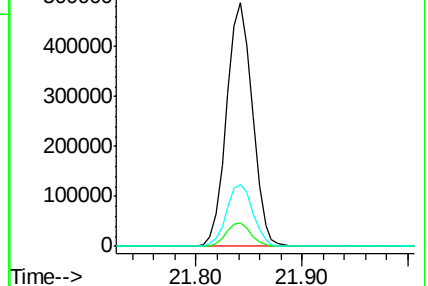
236 25.4 21.1 31.7



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



#77

Pyrene

Concen: Below Cal

RT: 19.95 min Scan# 2913

Delta R.T. 0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

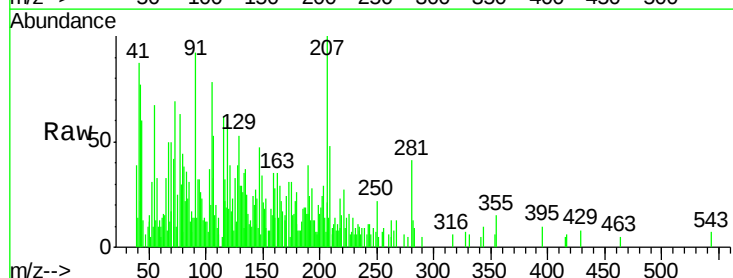
Tgt Ion:202 Resp: 1180

Ion Ratio Lower Upper

202 100

200 65.9 21.2 31.8#

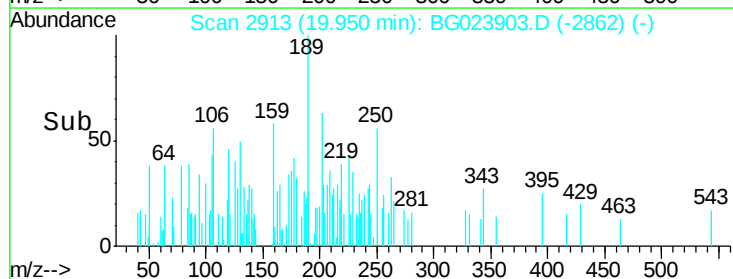
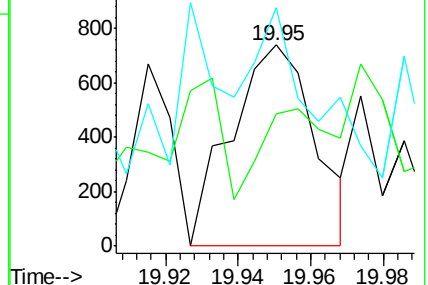
203 118.7 16.8 25.2#

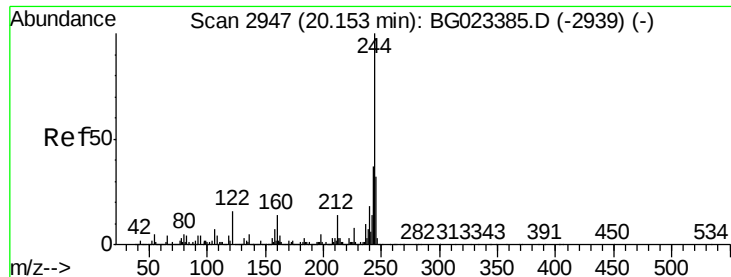


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.85 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

Instrument :

BNA_G

ClientSampleId :

MW-9R

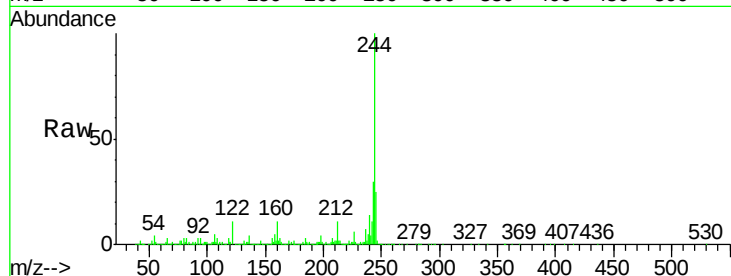
Tgt Ion:244 Resp: 2254511

Ion Ratio Lower Upper

244 100

212 11.4 10.8 16.2

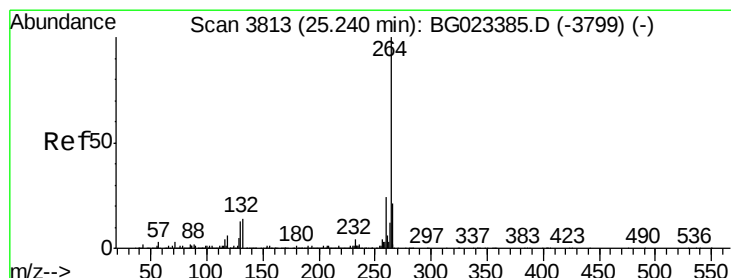
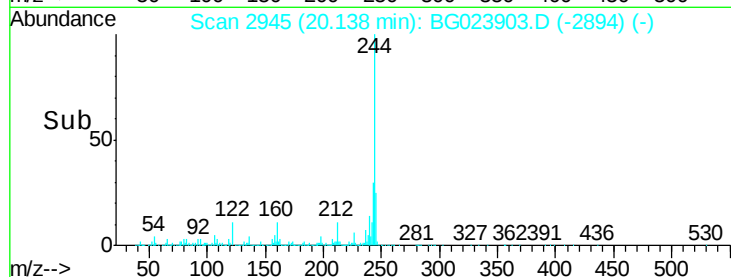
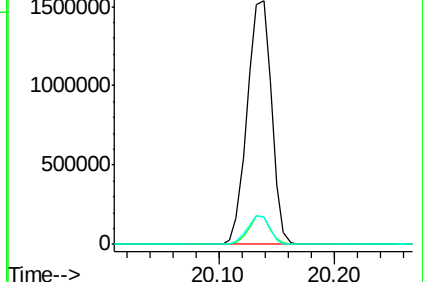
122 11.2 8.0 12.0



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: 25.22 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BG023903.D

Acq: 25 Aug 2016 21:05

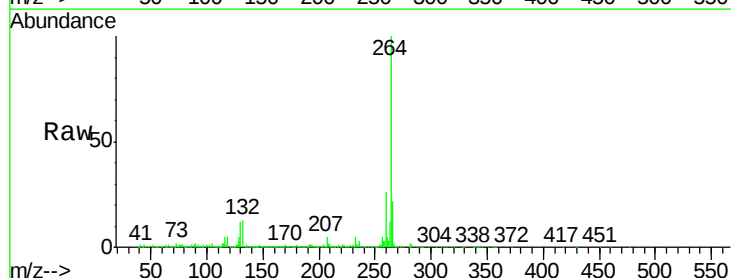
Tgt Ion:264 Resp: 811153

Ion Ratio Lower Upper

264 100

260 25.8 18.4 27.6

265 22.5 18.9 28.3



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

