

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032719\
 Data File : BG040189.D
 Acq On : 28 Mar 2019 2:27
 Operator : JU/SJ
 Sample : K1560-07
 Misc : LOD 16PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

Quant Time: Mar 28 07:04:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

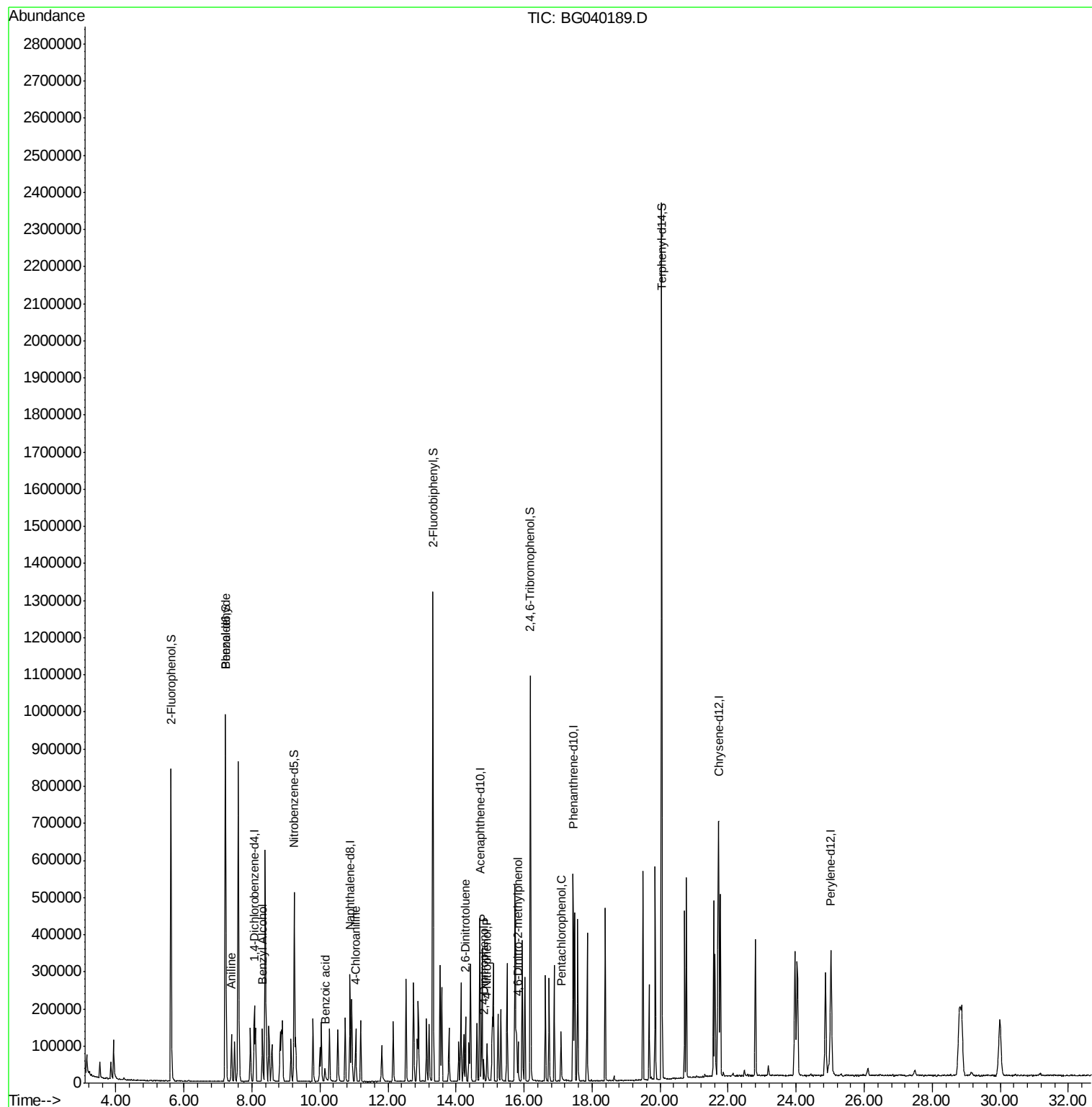
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	58267	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	244300	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	151878	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	355602	20.00	ng	0.00
76) Chrysene-d12	21.72	240	354080	20.00	ng	0.00
87) Perylene-d12	25.02	264	368081	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	385308	109.93	ng	0.00
7) Phenol-d6	7.22	99	530399	109.50	ng	0.00
23) Nitrobenzene-d5	9.25	82	313369	68.18	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	189425	115.40	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	714048	69.66	ng	0.00
79) Terphenyl-d14	20.05	244	1103014	70.08	ng	0.00
Target Compounds						
6) Aniline	7.40	93	83970	13.343	ng	94
9) Benzaldehyde	7.21	77	49180	14.801	ng	94
15) Benzyl Alcohol	8.31	79	50861	13.038	ng	95
32) Benzoic acid	10.14	122	19604	9.058	ng	# 81
33) 4-Chloroaniline	11.05	127	76278	14.281	ng	96
51) 2,6-Dinitrotoluene	14.28	165	38037	14.252	ng	94
54) 2,4-Dinitrophenol	14.82	184	14395	10.141	ng	# 90
56) 4-Nitrophenol	14.91	139	29560	12.964	ng	98
65) 4,6-Dinitro-2-methylphenol	15.82	198	24252	12.139	ng	95
70) Pentachlorophenol	17.09	266	28268	12.152	ng	90

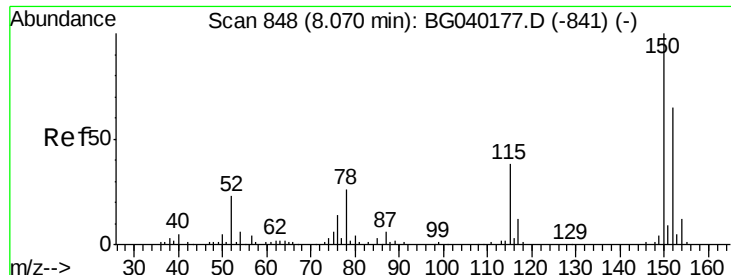
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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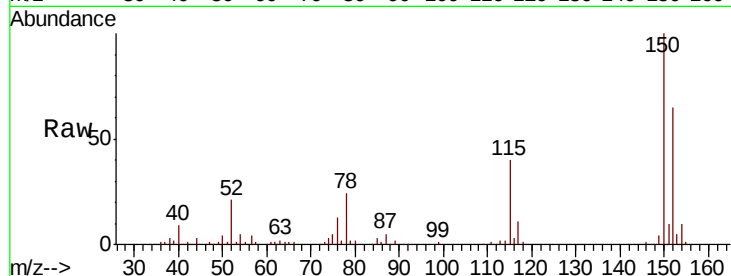


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.7	185.5
115	61.8	46.9	70.3

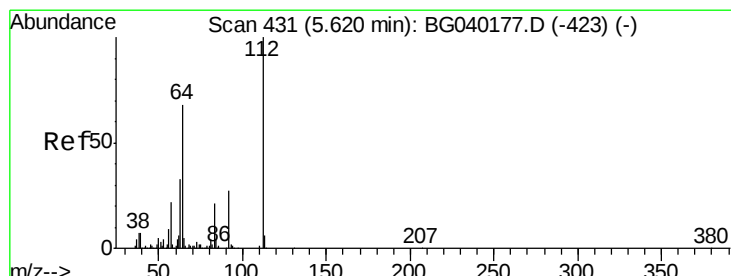
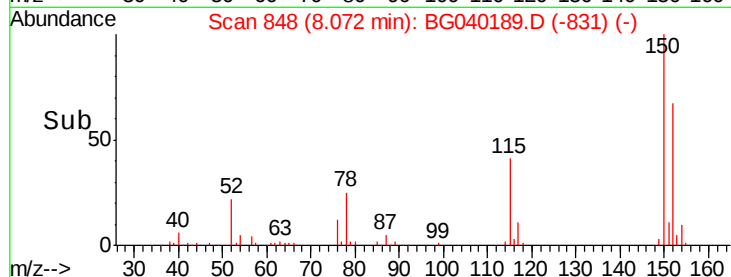
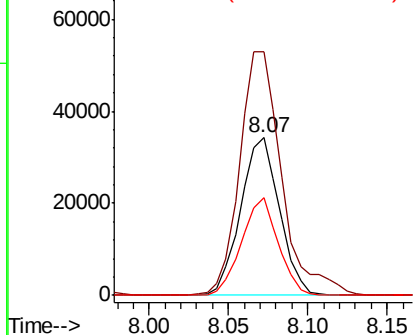


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

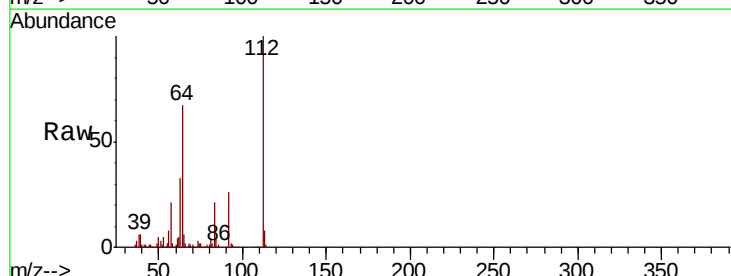
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.932 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	54.2	81.2
63	32.9	26.4	39.6

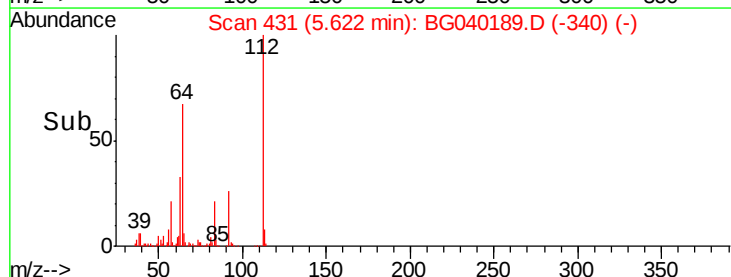
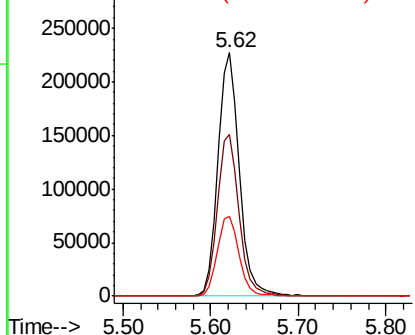


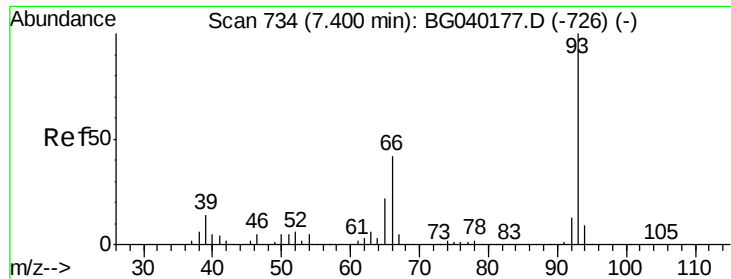
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#6

Aniline

Concen: 13.343 ng

RT: 7.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

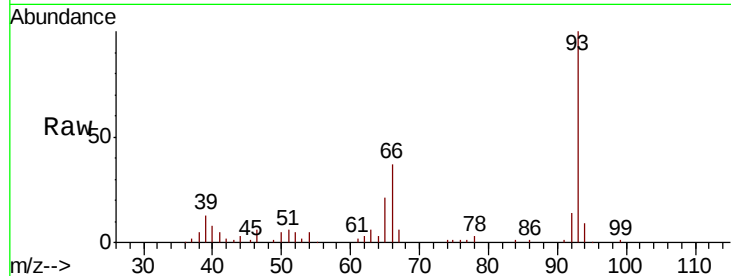
Tot Ion: 93 Resp: 83970

Ion Ratio Lower Upper

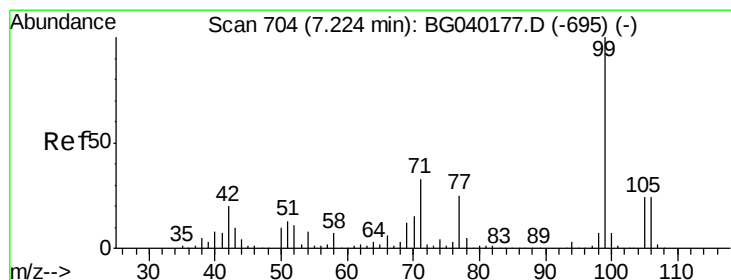
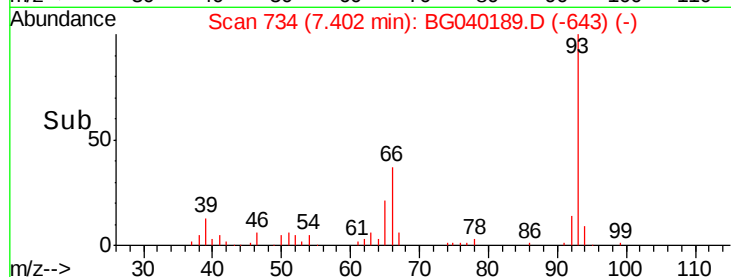
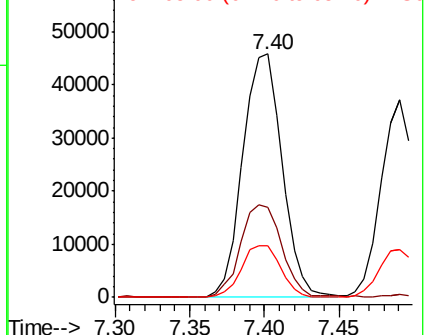
93 100

66 36.8 33.6 50.4

65 21.4 17.4 26.2



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 109.498 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

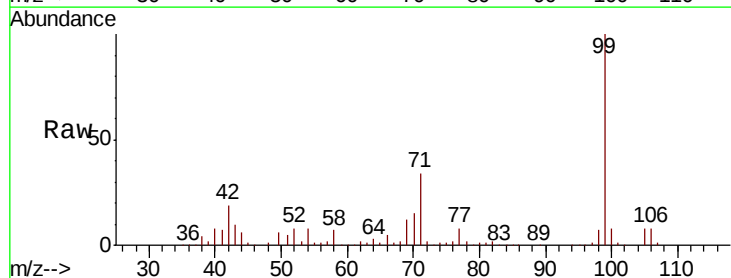
Tgt Ion: 99 Resp: 530399

Ion Ratio Lower Upper

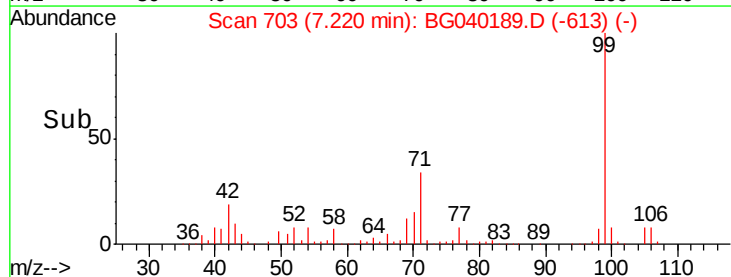
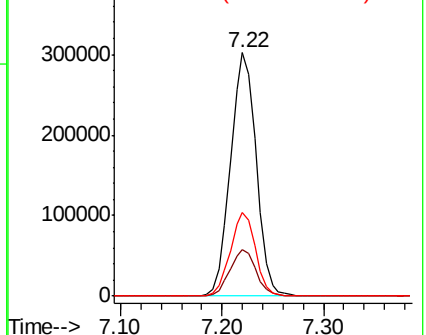
99 100

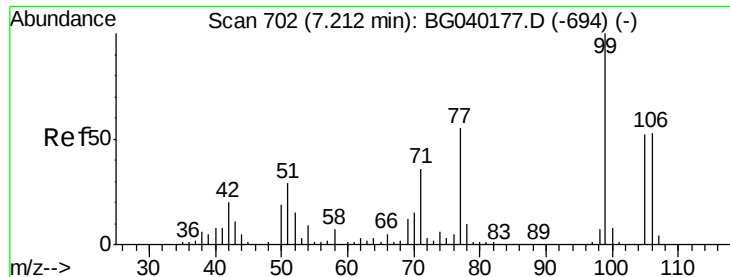
42 18.9 16.2 24.2

71 34.3 26.8 40.2



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: 14.801 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

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ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

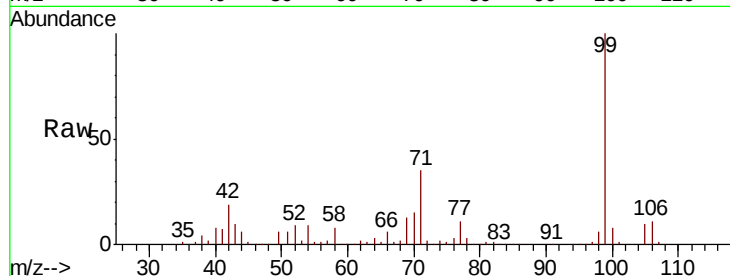
Tot Ion: 77 Resp: 49180

Ion Ratio Lower Upper

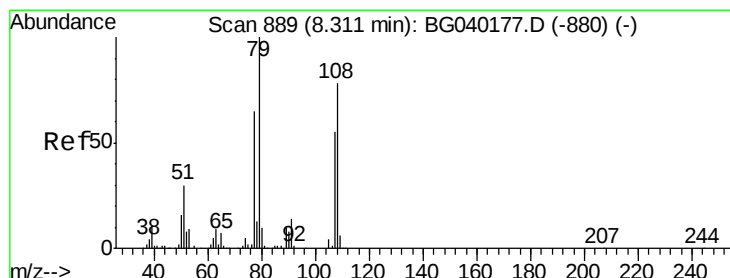
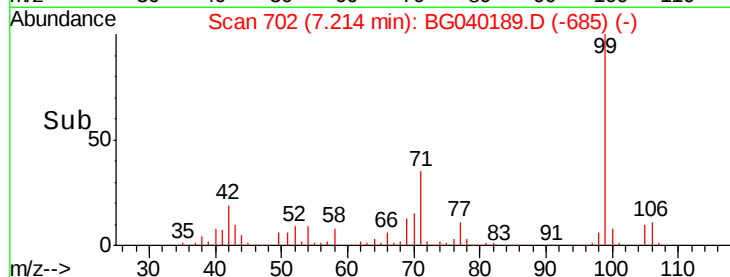
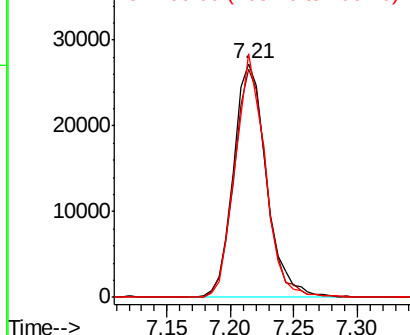
77 100

105 97.6 75.0 115.0

106 104.1 75.7 115.7



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



#15

Benzyl Alcohol

Concen: 13.038 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

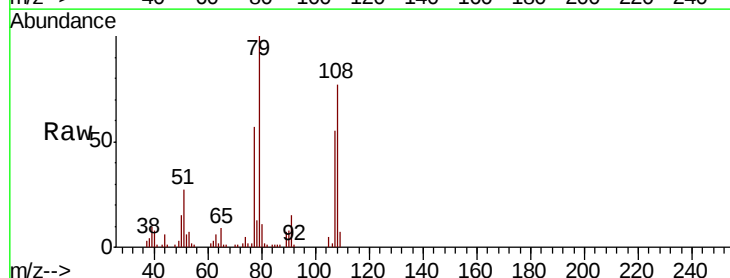
Tgt Ion: 79 Resp: 50861

Ion Ratio Lower Upper

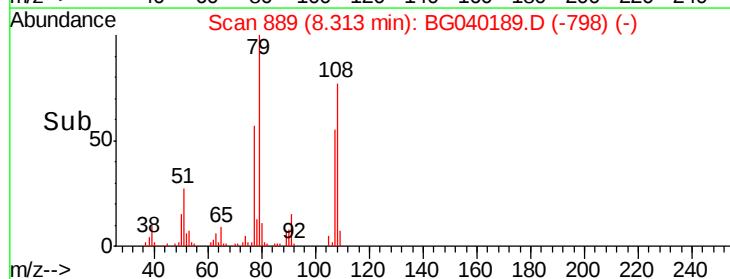
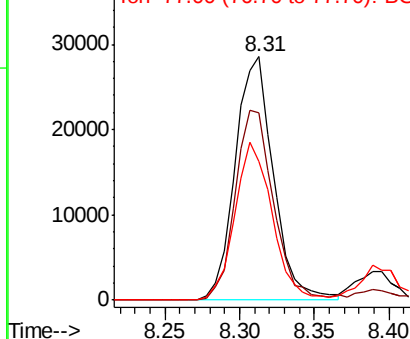
79 100

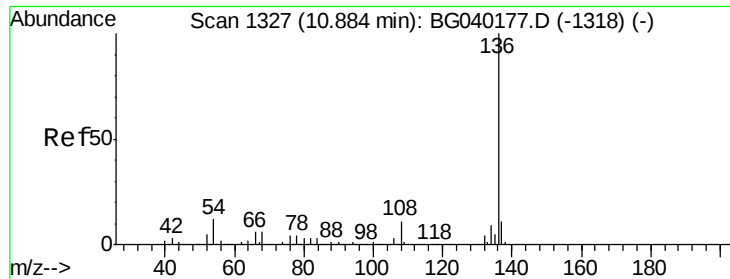
108 77.1 62.1 93.1

77 57.1 51.9 77.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

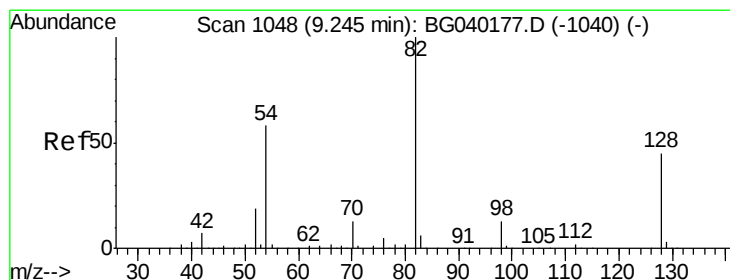
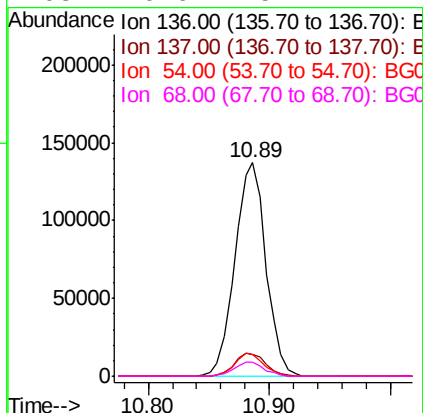
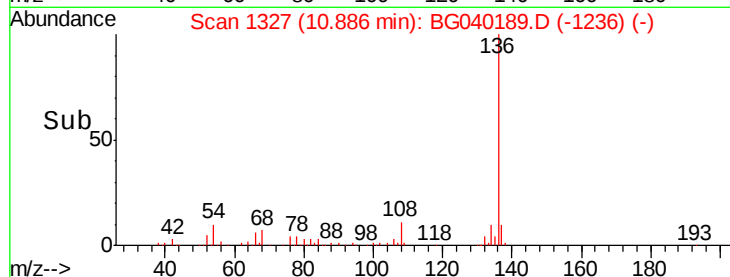
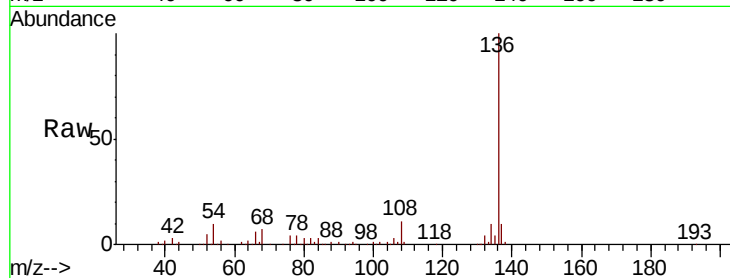




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

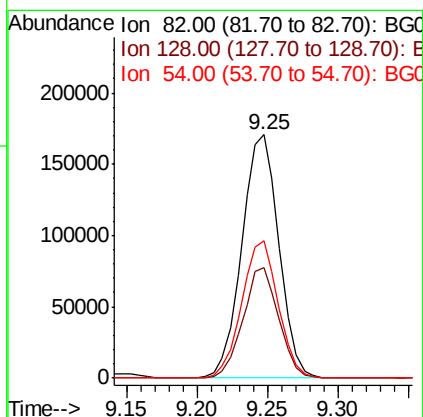
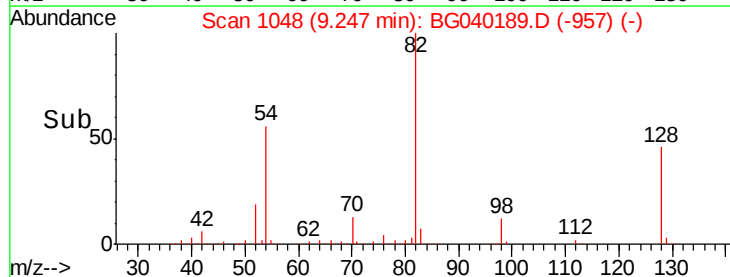
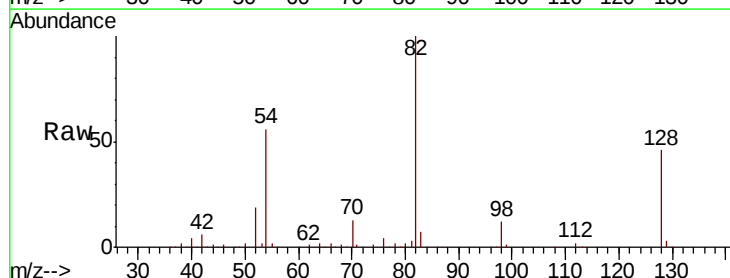
Instrument :
BNA_G
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LOD-MDL-WATER-01-QT1-2019

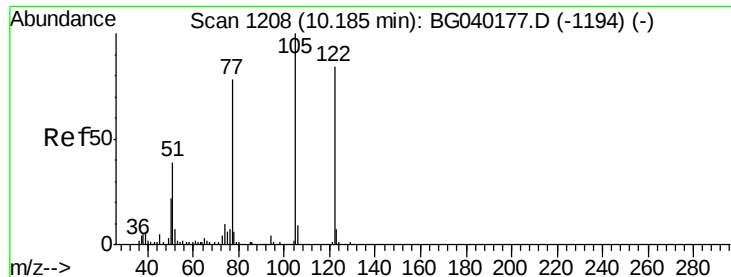
Tot Ion:136	Resp:	244300
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.9 13.3
54	10.4	9.6 14.4
68	6.6	5.1 7.7



#23
Nitrobenzene-d5
Concen: 68.181 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

Tgt Ion: 82	Resp:	313369
Ion	Ratio	Lower Upper
82	100	
128	45.6	35.8 53.8
54	56.3	46.2 69.2





#32

Benzoic acid

Concen: 9.058 ng

RT: 10.14 min Scan# 1200

Delta R.T. -0.04 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

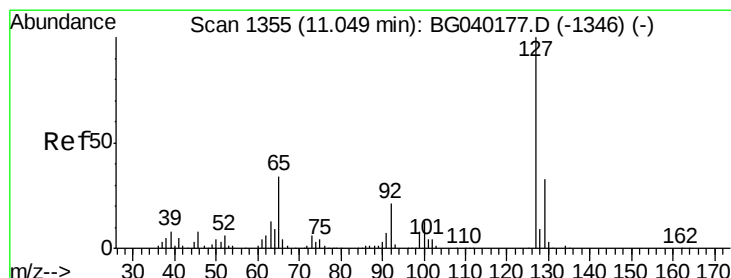
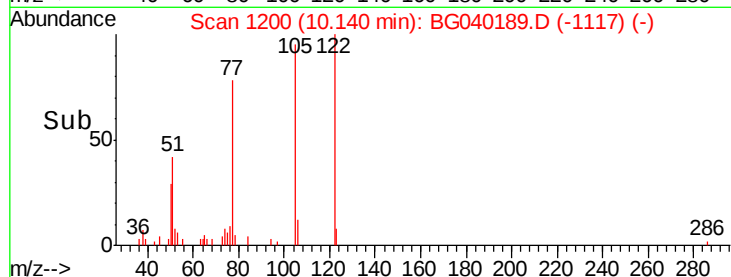
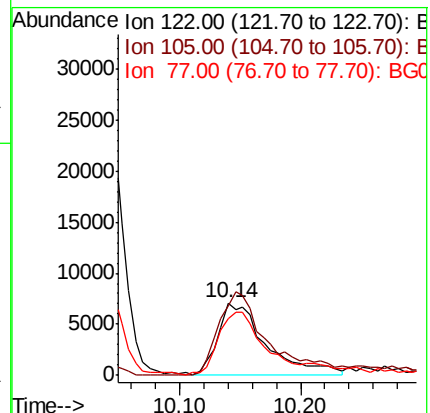
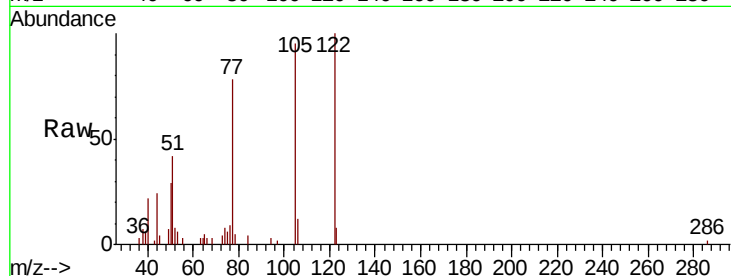
Tot Ion:122 Resp: 19604

Ion Ratio Lower Upper

122 100

105 95.3 98.2 138.2#

77 77.7 73.6 113.6



#33

4-Chloroaniline

Concen: 14.281 ng

RT: 11.05 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Tgt Ion:127 Resp: 76278

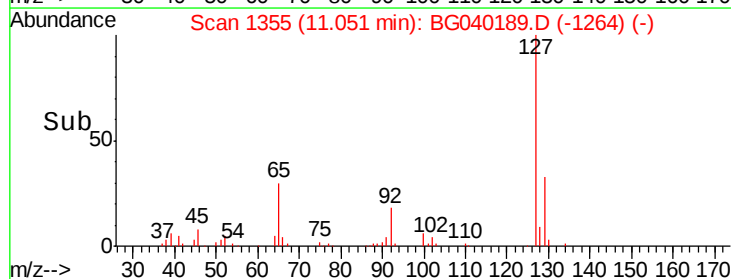
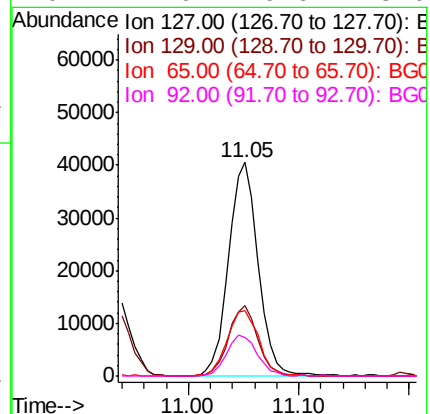
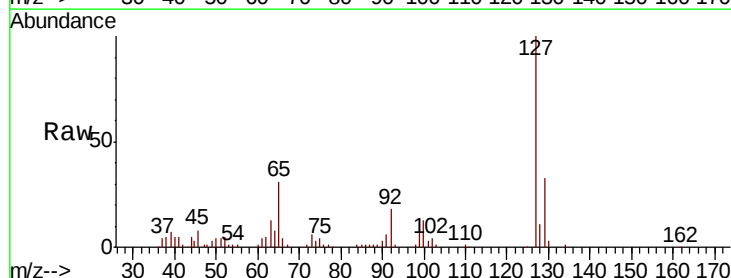
Ion Ratio Lower Upper

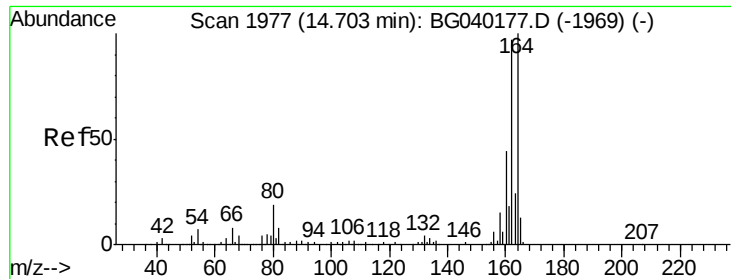
127 100

129 33.0 26.6 40.0

65 30.7 27.0 40.4

92 17.9 16.6 25.0

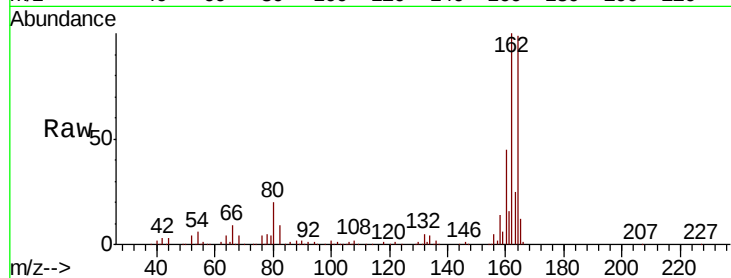




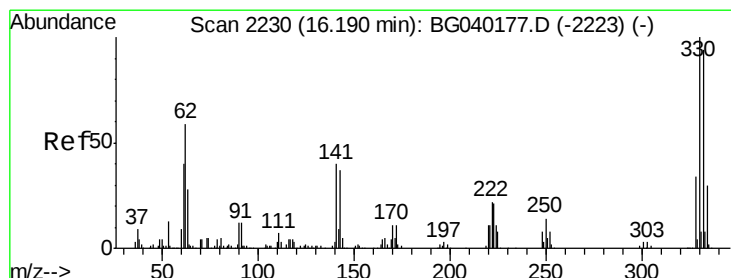
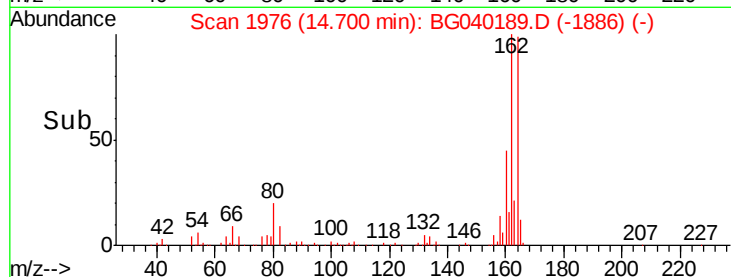
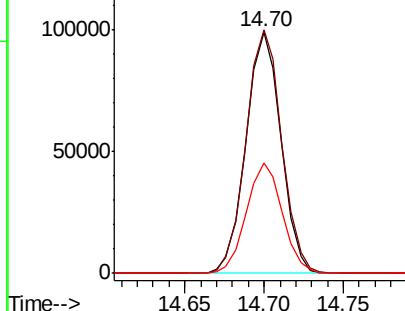
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT1-2019

Tot Ion:164 Resp: 151878
Ion Ratio Lower Upper
164 100
162 100.9 77.4 116.2
160 45.8 35.3 52.9

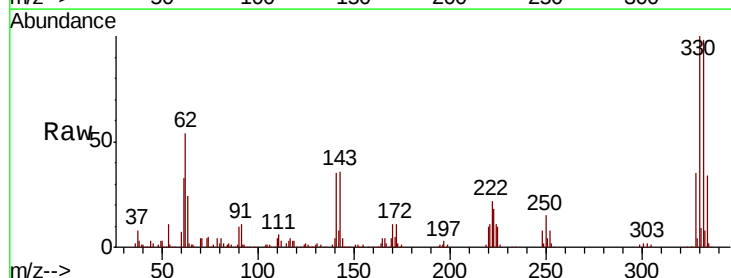


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

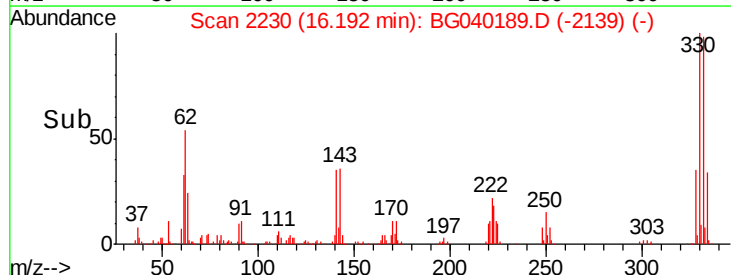
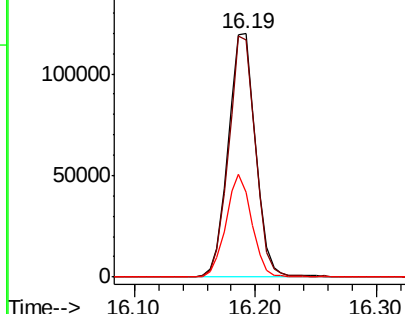


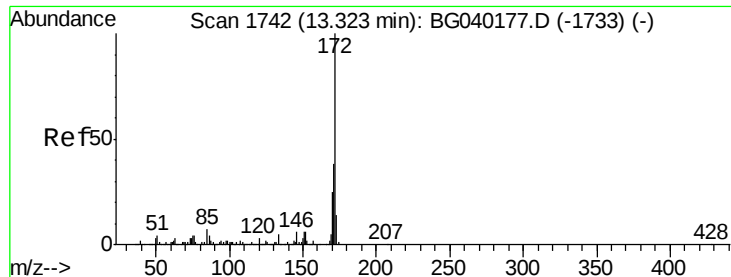
#42
2,4,6-Tribromophenol
Concen: 115.404 ng
RT: 16.19 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BG040189.D
Acq: 28 Mar 2019 2:27

Tgt Ion:330 Resp: 189425
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 39.6 32.6 48.8



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

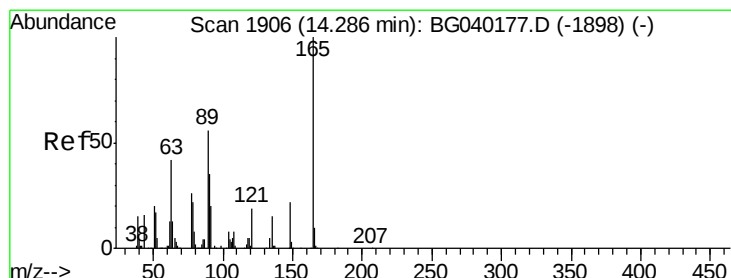
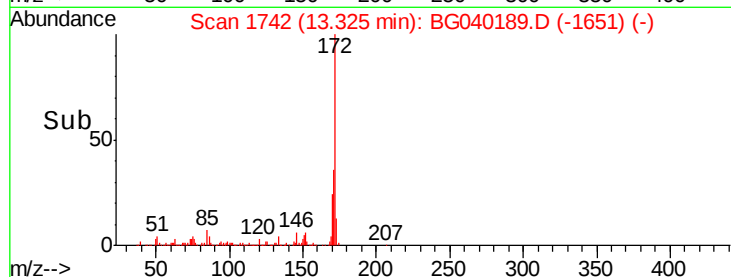
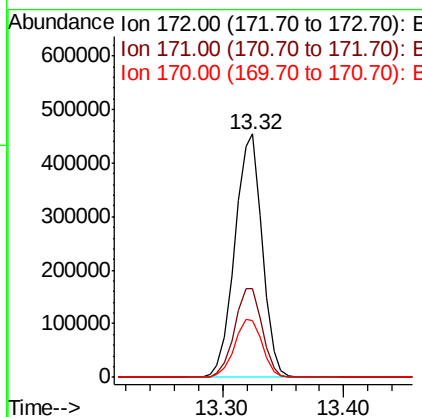
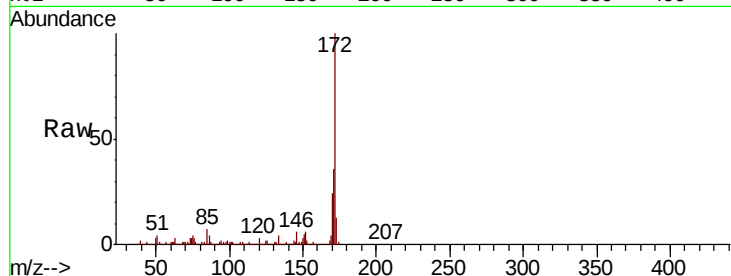




#45
 2-Fluorobiphenyl
 Concen: 69.664 ng
 RT: 13.32 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: BG040189.D
 Acq: 28 Mar 2019 2:27

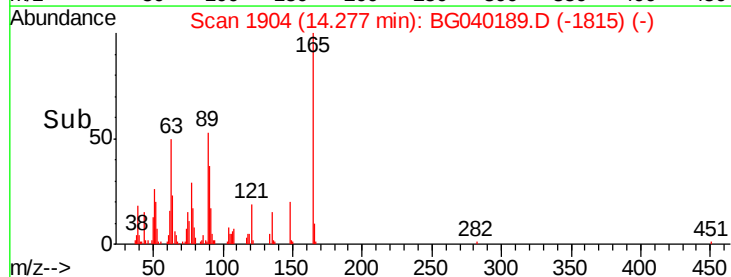
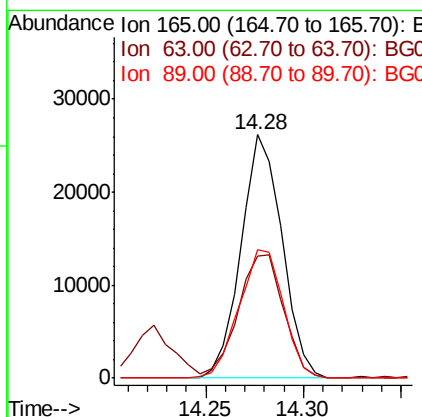
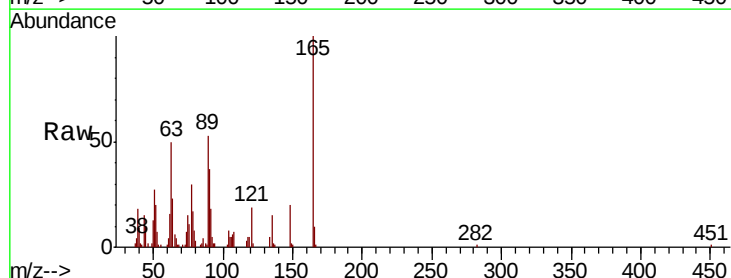
Instrument :
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 LOD-MDL-WATER-01-QT1-2019

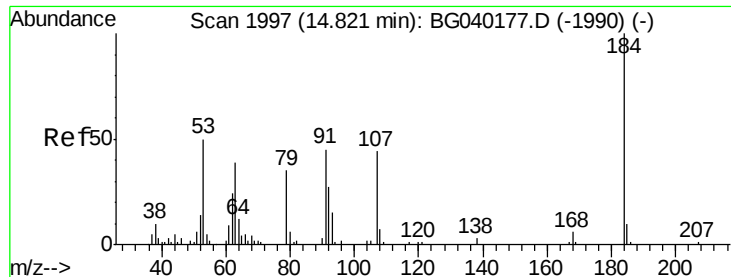
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	23.6	20.1	30.1



#51
 2,6-Dinitrotoluene
 Concen: 14.252 ng
 RT: 14.28 min Scan# 1904
 Delta R.T. -0.01 min
 Lab File: BG040189.D
 Acq: 28 Mar 2019 2:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.2	44.1	66.1
89	52.9	44.9	67.3





#54

2,4-Dinitrophenol

Concen: 10.141 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

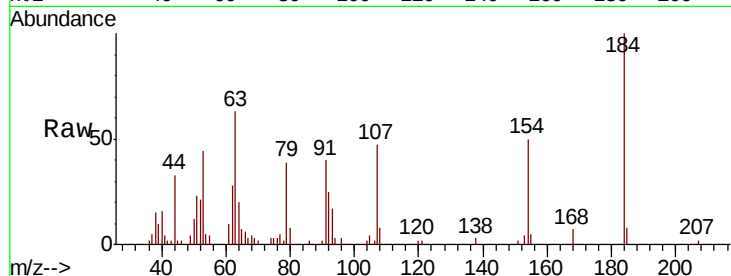
Tot Ion:184 Resp: 14395

Ion Ratio Lower Upper

184 100

63 62.6 51.8 77.8

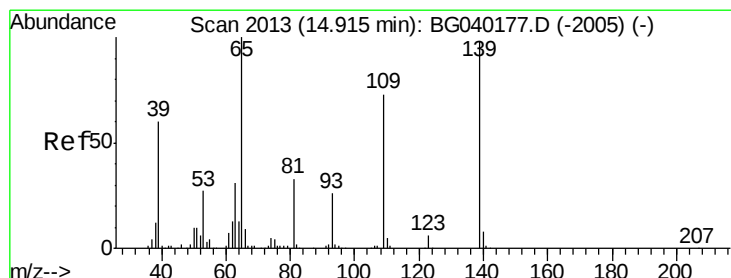
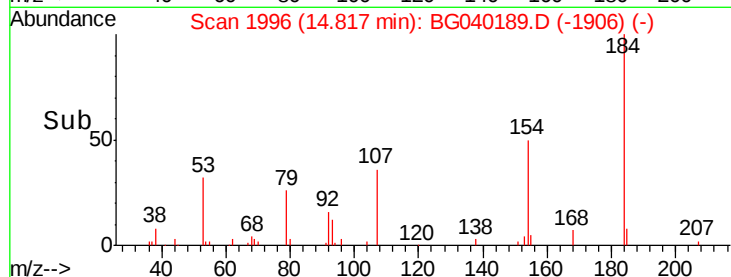
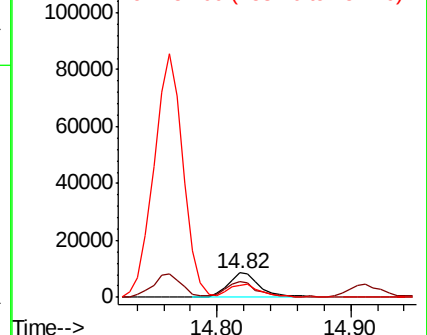
154 50.1 50.9 76.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 12.964 ng

RT: 14.91 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

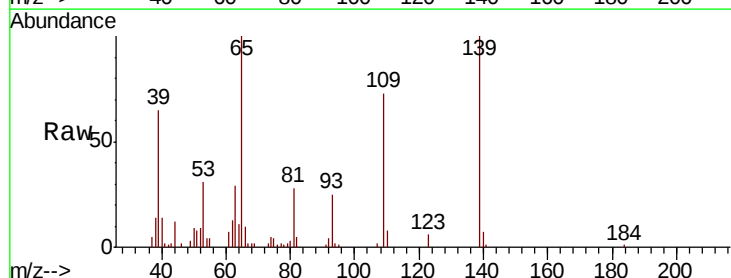
Tgt Ion:139 Resp: 29560

Ion Ratio Lower Upper

139 100

109 73.4 54.3 94.3

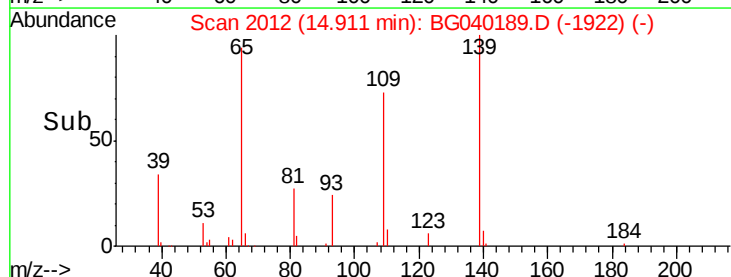
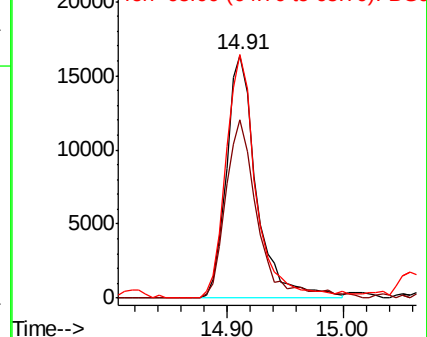
65 100.3 82.5 122.5

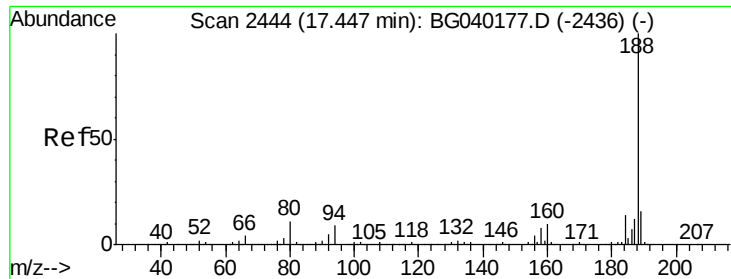


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

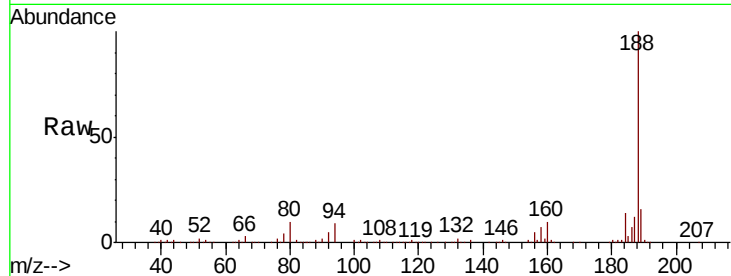
Tot Ion:188 Resp: 355602

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.4

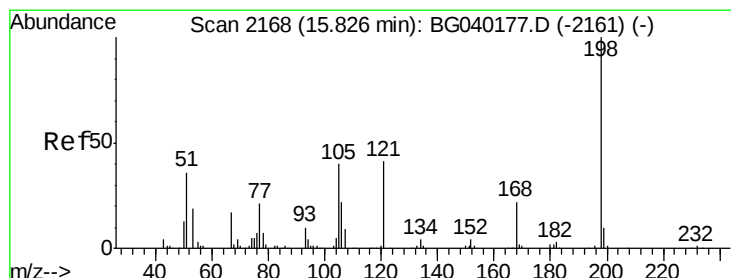
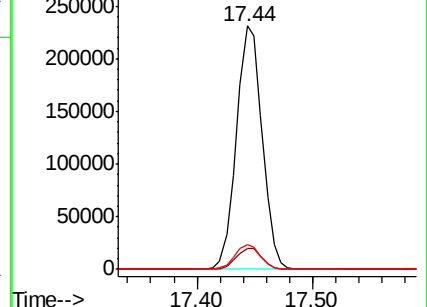
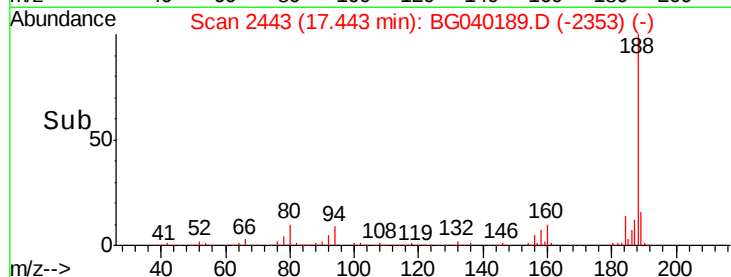
80 10.1 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 12.139 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

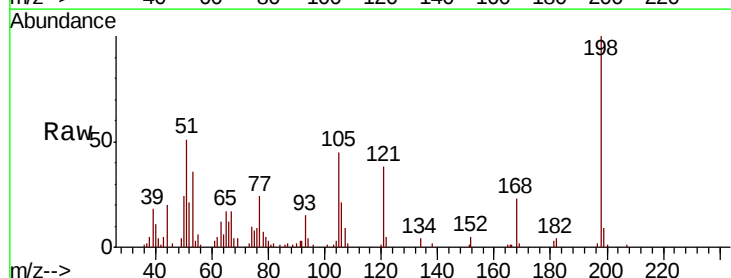
Tgt Ion:198 Resp: 24252

Ion Ratio Lower Upper

198 100

51 50.8 27.3 67.3

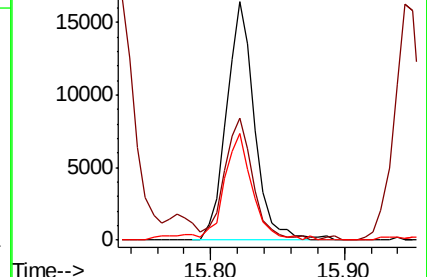
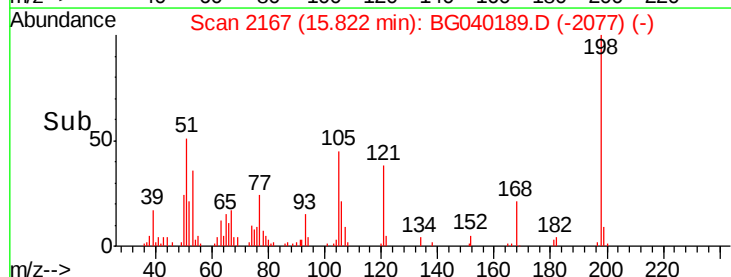
105 44.7 21.7 61.7

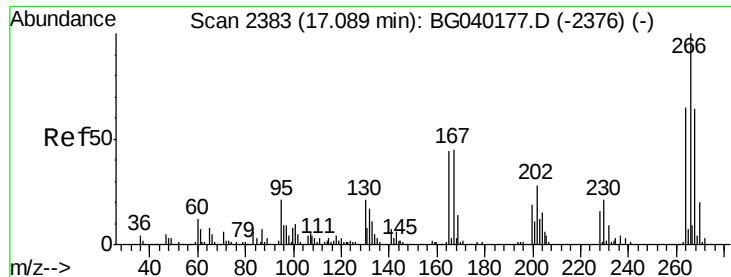


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

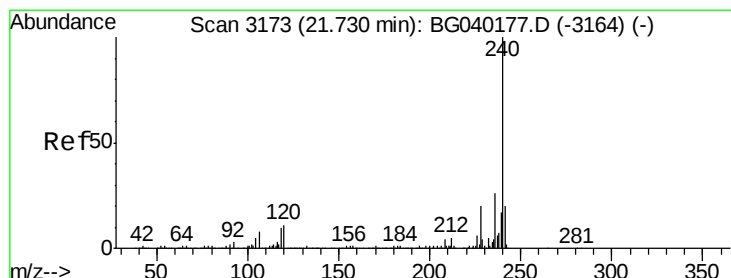
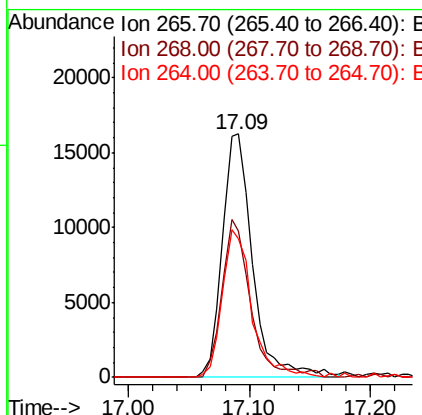
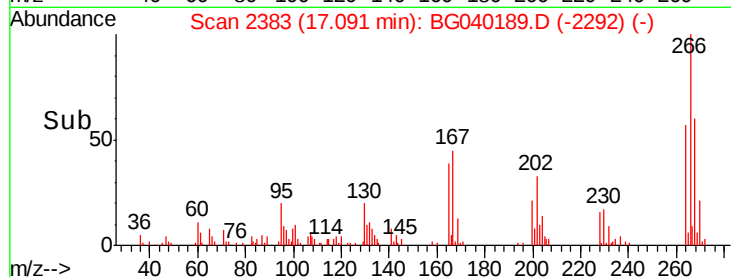
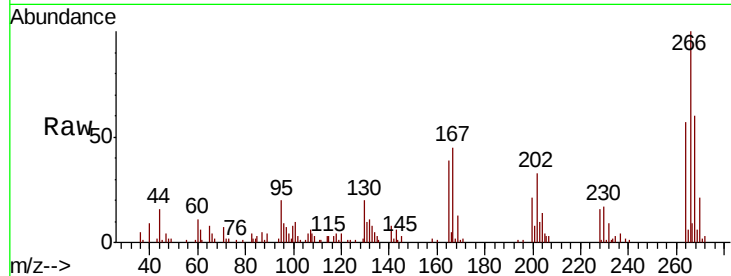




#70
 Pentachlorophenol
 Concen: 12.152 ng
 RT: 17.09 min Scan# 2383
 Delta R.T. 0.00 min
 Lab File: BG040189.D
 Acq: 28 Mar 2019 2:27

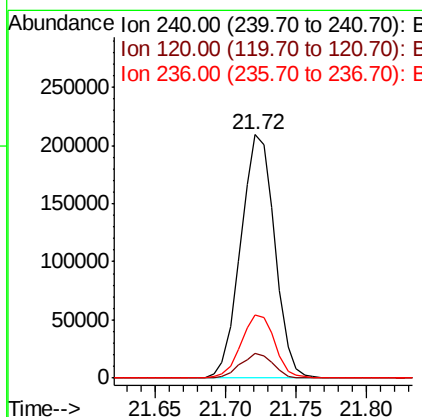
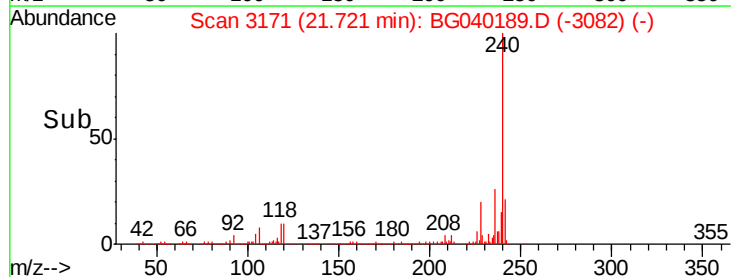
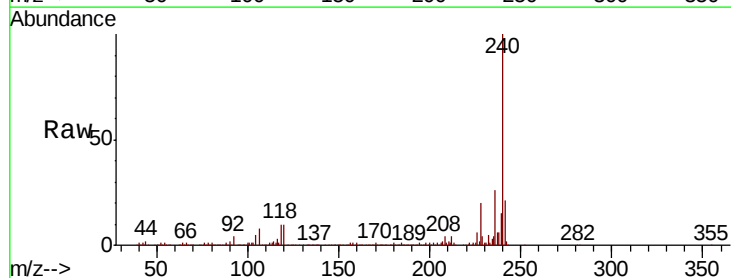
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2019

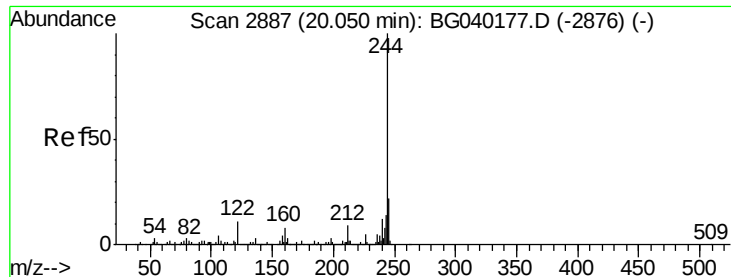
Tot Ion	Ratio	Lower	Upper
266	100		
268	59.9	55.0	82.4
264	57.1	51.8	77.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG040189.D
 Acq: 28 Mar 2019 2:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.4	12.6
236	25.7	20.8	31.2





#79

Terphenyl-d14

Concen: 70.080 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-WATER-01-QT1-2019

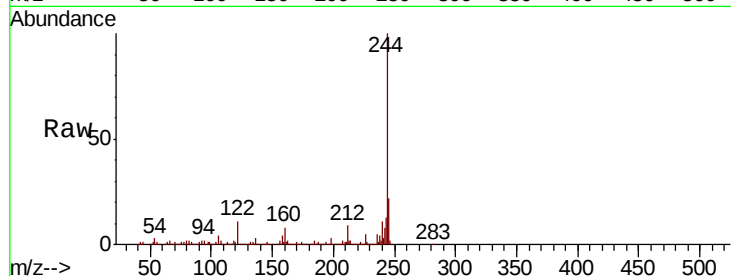
Tot Ion:244 Resp: 1103014

Ion Ratio Lower Upper

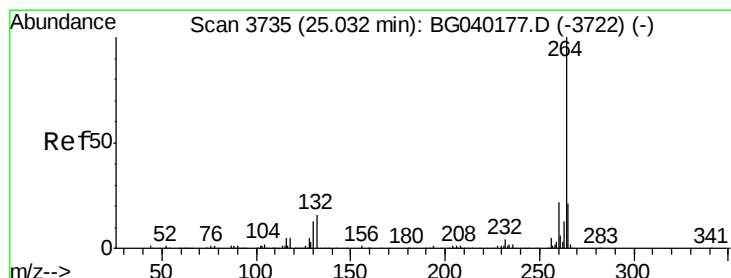
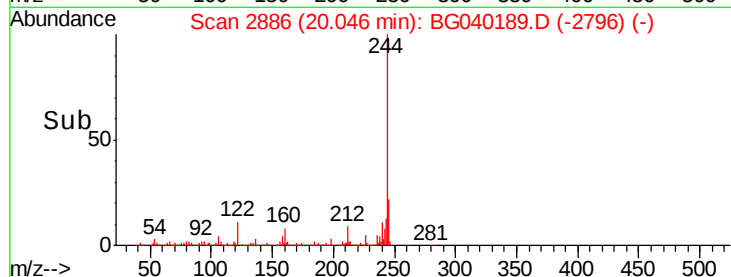
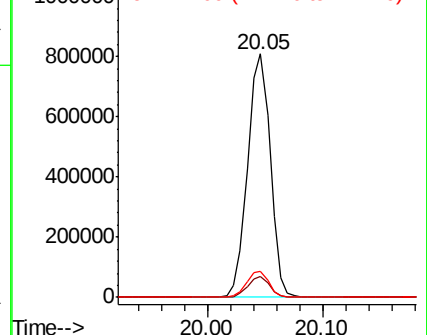
244 100

212 8.6 7.0 10.6

122 10.8 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040189.D

Acq: 28 Mar 2019 2:27

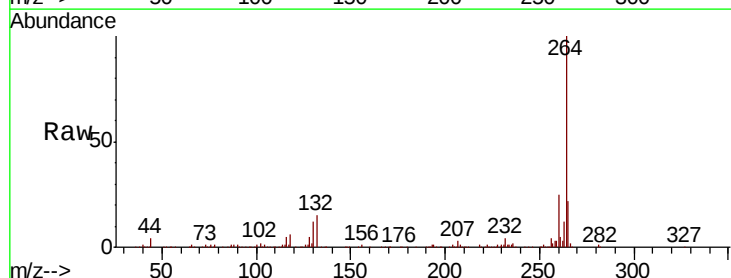
Tgt Ion:264 Resp: 368081

Ion Ratio Lower Upper

264 100

260 24.6 17.9 26.9

265 21.7 16.8 25.2



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

