

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
 Data File : BG041200.D
 Acq On : 12 Jun 2019 11:08
 Operator : HP/JU
 Sample : K3223-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW014-190605RE

Quant Time: Jun 13 05:32:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

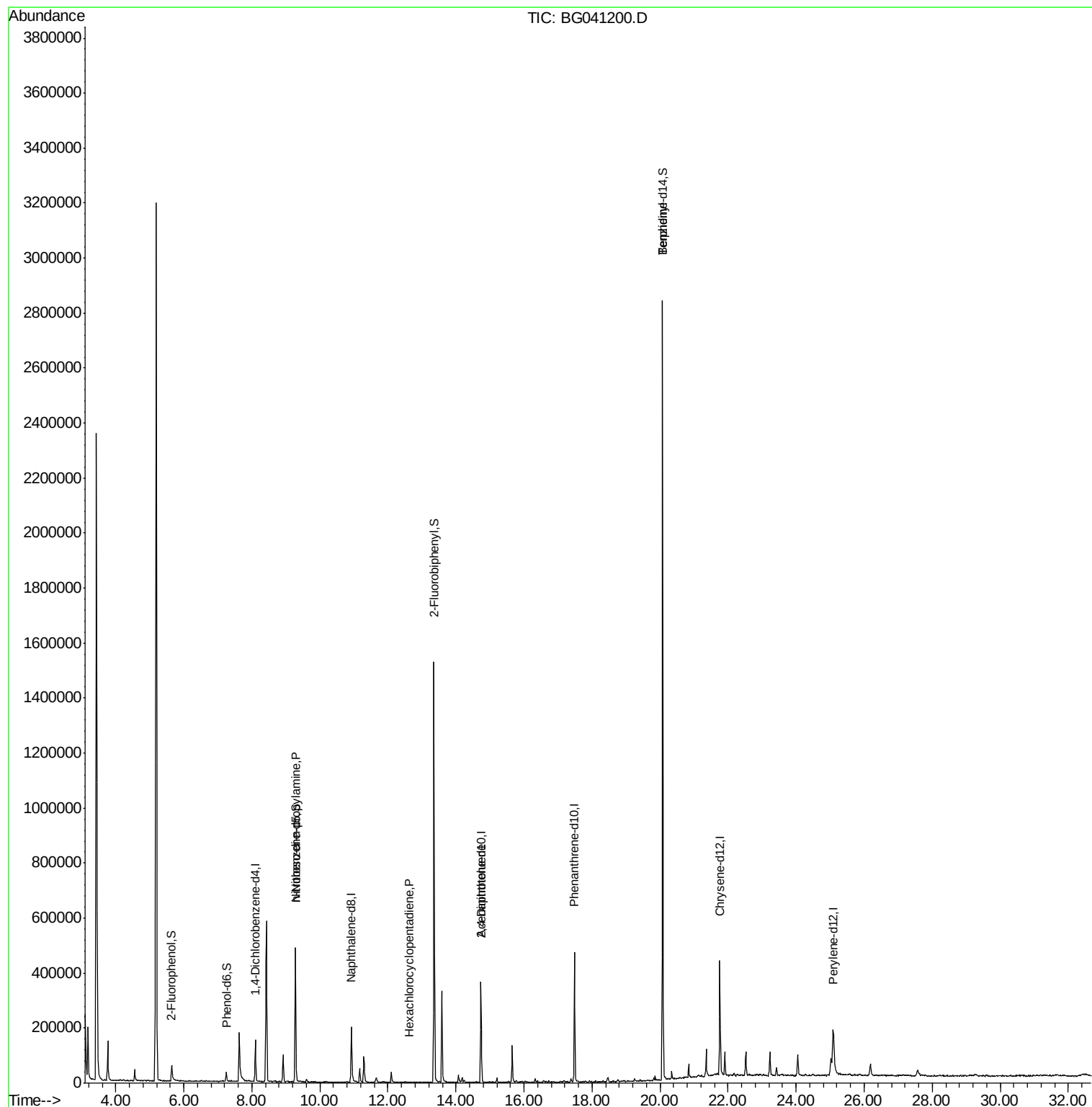
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	40287	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	172360	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	124815	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	309522	20.00	ng	0.00
76) Chrysene-d12	21.76	240	290325	20.00	ng	0.00
87) Perylene-d12	25.09	264	259934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	32185	14.41	ng	0.00
7) Phenol-d6	7.25	99	20870	6.05	ng	0.00
23) Nitrobenzene-d5	9.28	82	310745	80.04	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	53	0.03	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	804414	92.81	ng	0.00
79) Terphenyl-d14	20.08	244	1357892	99.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	41891	15.776	ng	# 78
41) Hexachlorocyclopentadiene	12.61	237	69	8.258	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	16387	5.092	ng	# 24
77) Benzidine	20.08	184	21873	3.158	ng	98

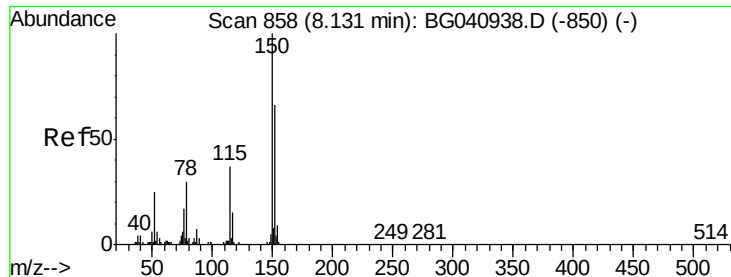
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
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QLast Update : Sun Jun 09 23:08:34 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605RE

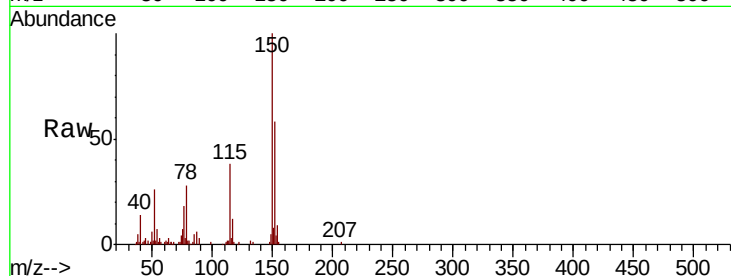
Tgt Ion:152 Resp: 40287

Ion Ratio Lower Upper

152 100

150 171.0 120.6 180.8

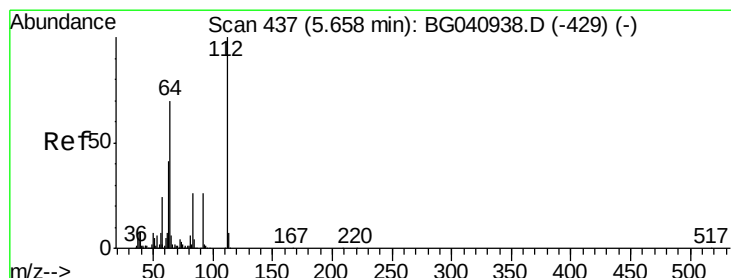
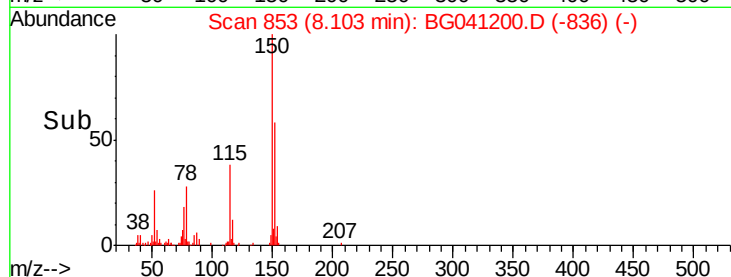
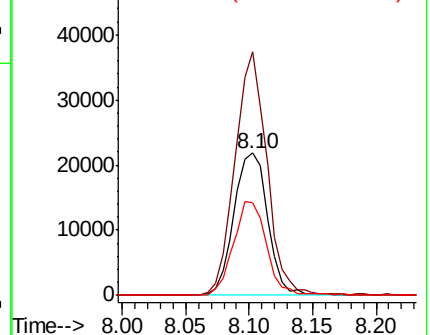
115 64.8 45.1 67.7



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: 14.406 ng

RT: 5.65 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

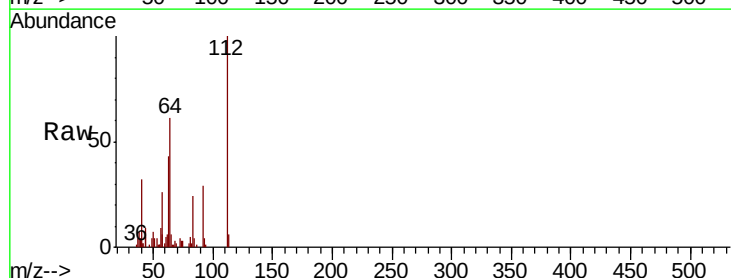
Tgt Ion:112 Resp: 32185

Ion Ratio Lower Upper

112 100

64 61.4 56.2 84.2

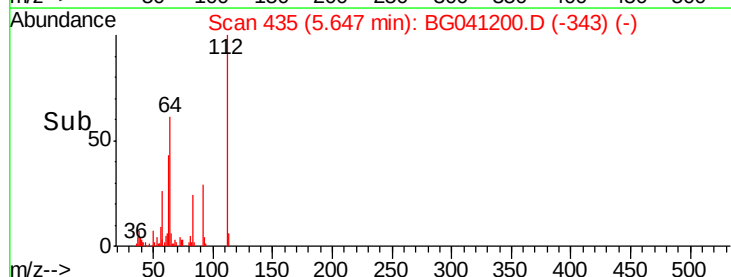
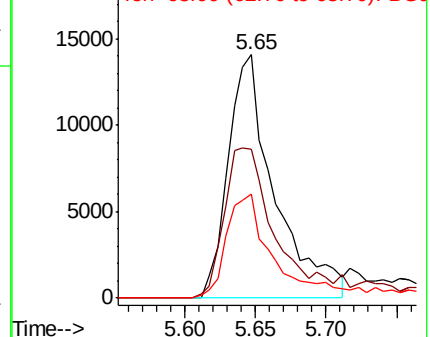
63 42.7 32.8 49.2

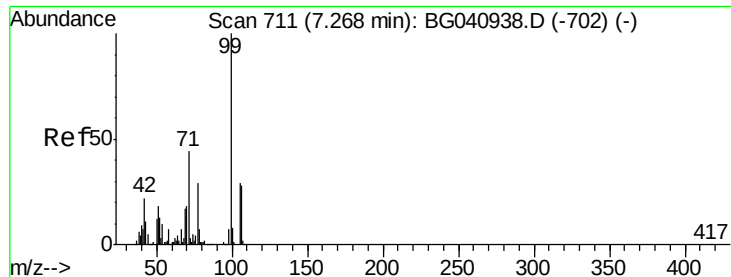


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 6.048 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605RE

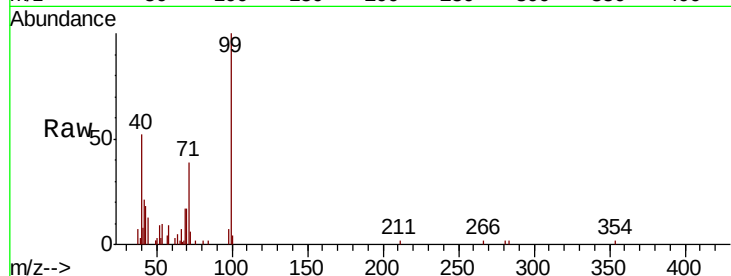
Tgt Ion: 99 Resp: 20870

Ion Ratio Lower Upper

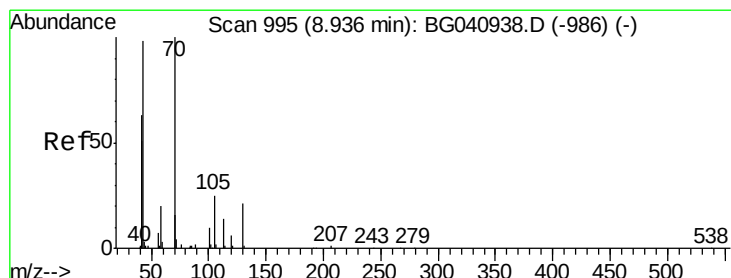
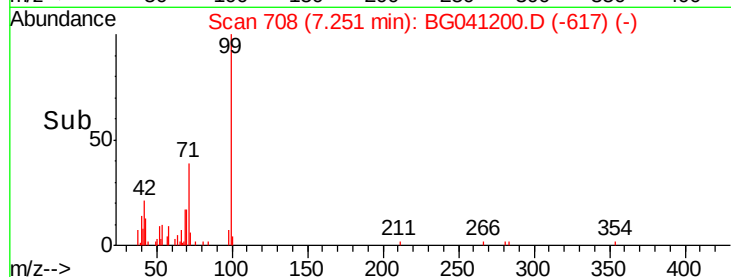
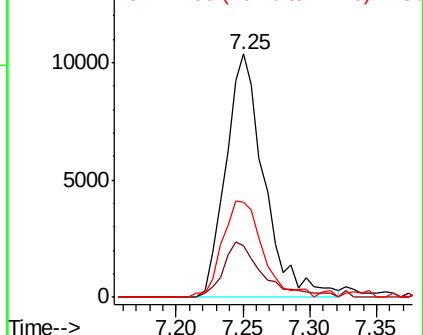
99 100

42 21.1 17.9 26.9

71 38.9 35.4 53.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.776 ng

RT: 9.28 min Scan# 1053

Delta R.T. 0.37 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Tgt Ion: 70 Resp: 41891

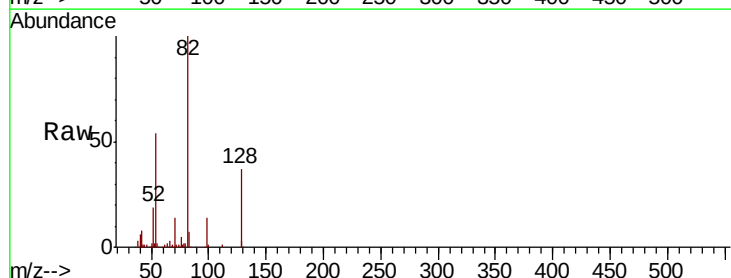
Ion Ratio Lower Upper

70 100

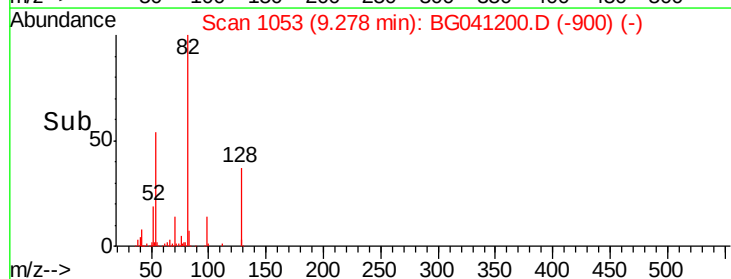
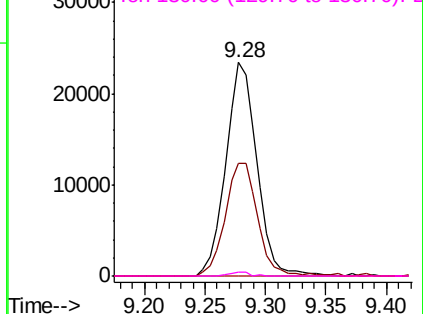
42 53.0 51.5 77.3

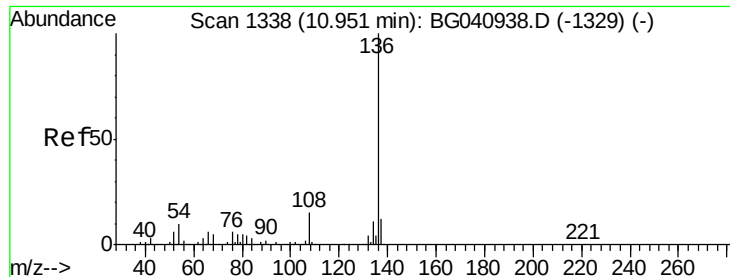
101 0.0 8.1 12.1#

130 1.7 16.6 24.8#



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

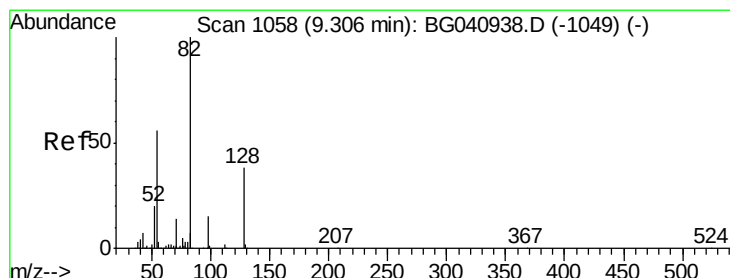
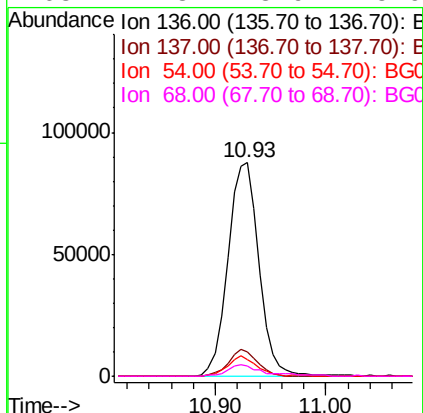
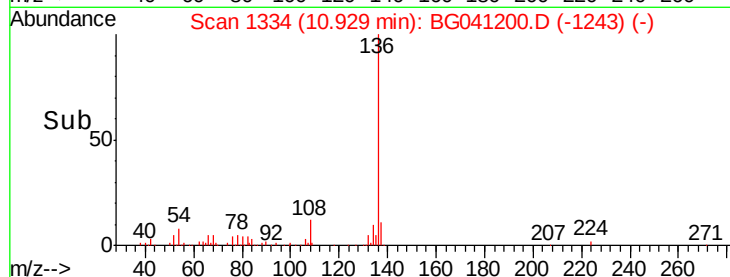
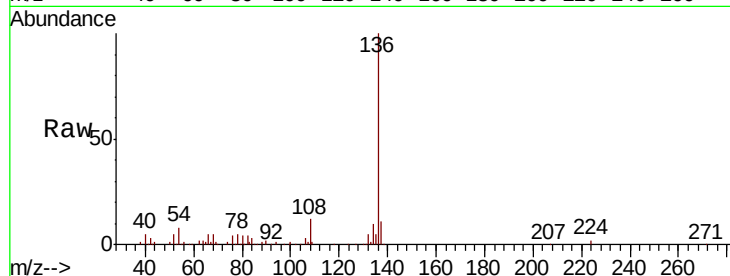




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041200.D
Acq: 12 Jun 2019 11:08

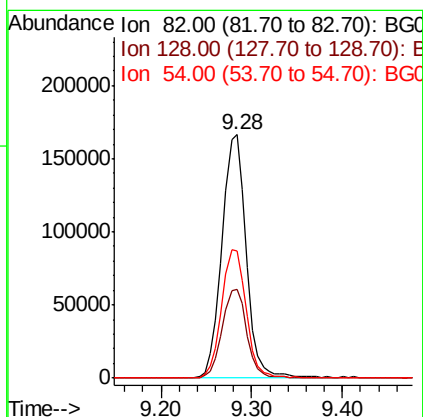
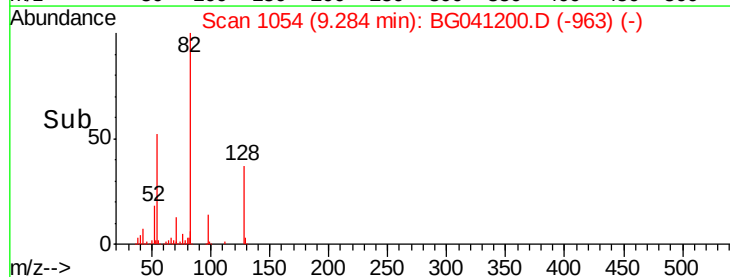
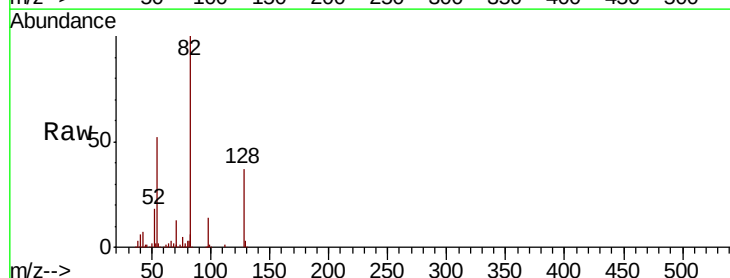
Instrument :
BNA_G
ClientSampleId :
SS043MW014-190605RE

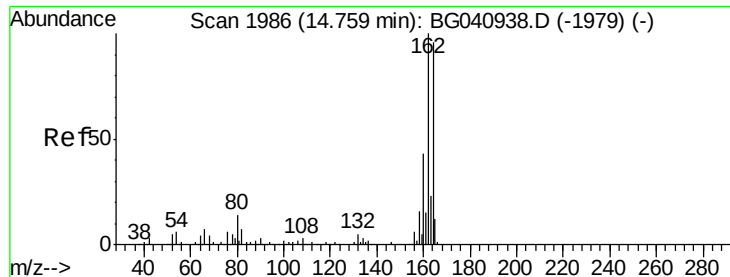
Tgt Ion:	136	Resp:	172360
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	7.7	7.6	11.4
68	4.8	3.9	5.9



#23
Nitrobenzene-d5
Concen: 80.037 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041200.D
Acq: 12 Jun 2019 11:08

Tgt Ion:	82	Resp:	310745
Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.5	45.7
54	52.4	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605RE

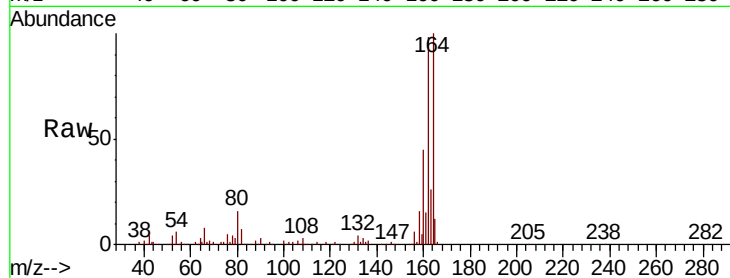
Tgt Ion:164 Resp: 124815

Ion Ratio Lower Upper

164 100

162 97.7 83.0 124.4

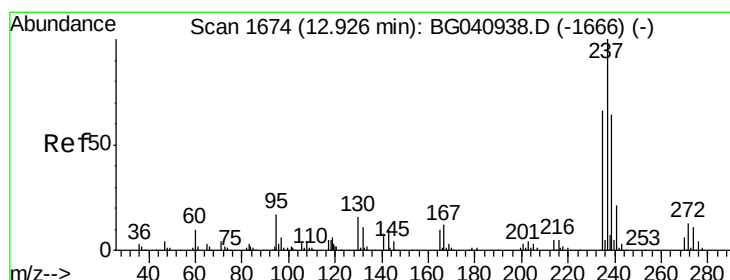
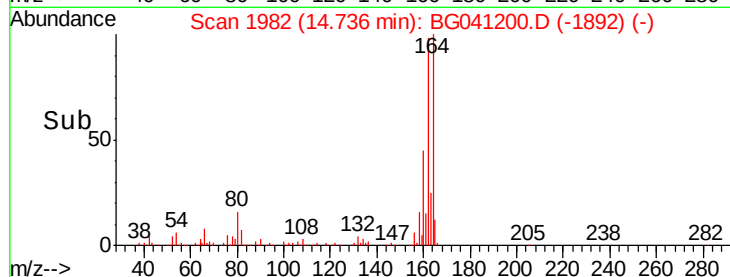
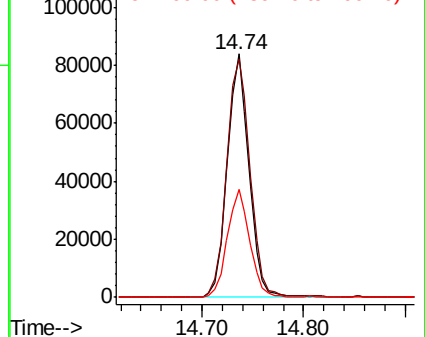
160 44.6 35.6 53.4



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

Hexachlorocyclopentadiene

Concen: 8.258 ng

RT: 12.61 min Scan# 1621

Delta R.T. -0.28 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

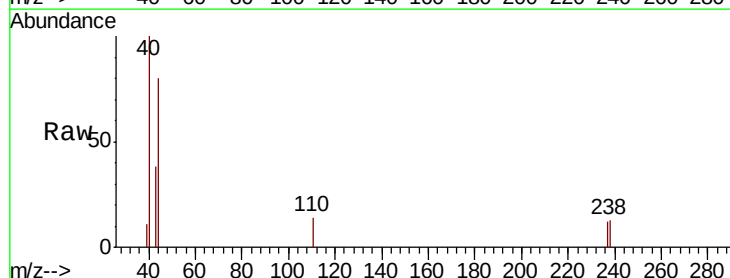
Tgt Ion:237 Resp: 69

Ion Ratio Lower Upper

237 100

235 0.0 45.5 85.5#

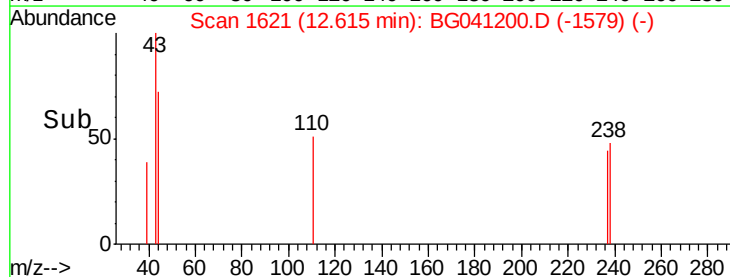
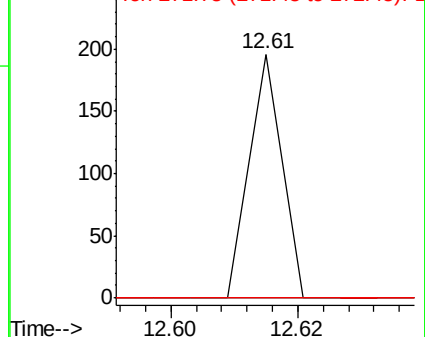
272 0.0 0.0 32.9

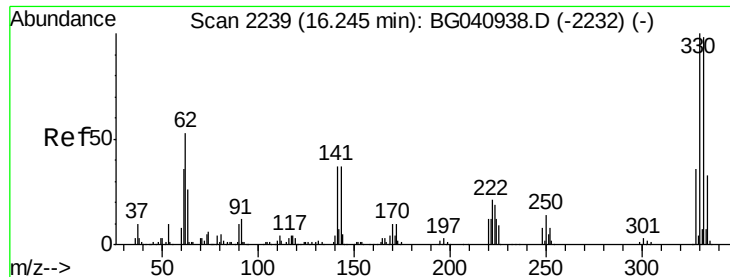


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

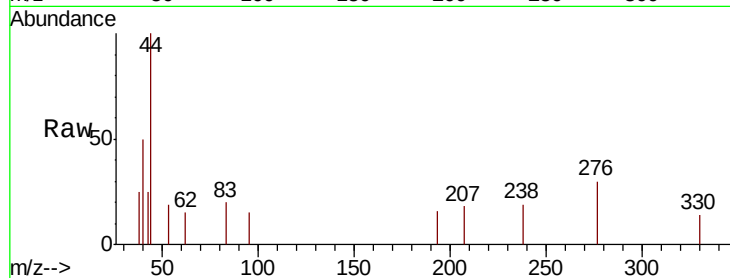




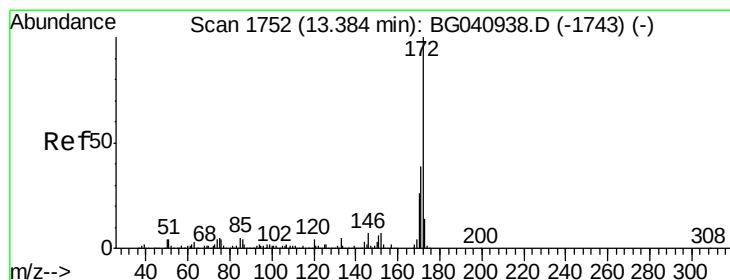
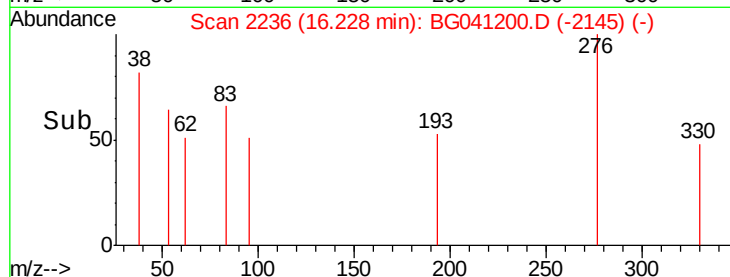
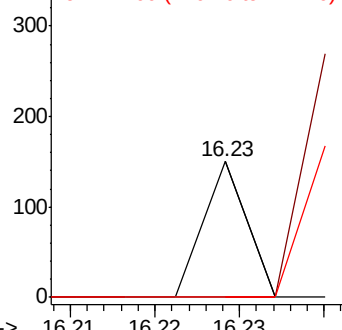
#42
 2,4,6-Tribromophenol
 Concen: 0.029 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG041200.D
 Acq: 12 Jun 2019 11:08

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW014-190605RE

Tgt Ion:330 Resp: 53
 Ion Ratio Lower Upper
 330 100
 332 0.0 78.5 117.7#
 141 0.0 28.7 43.1#

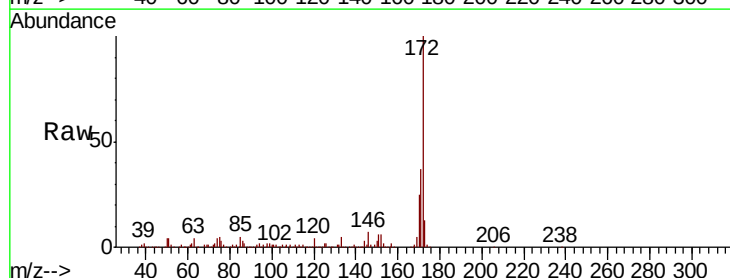


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

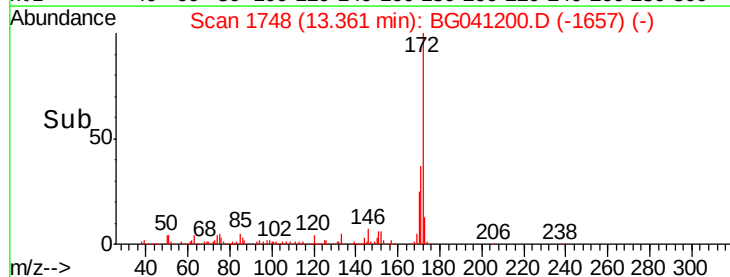
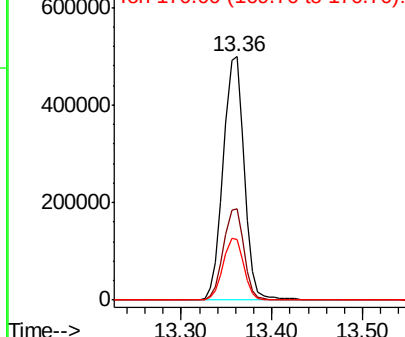


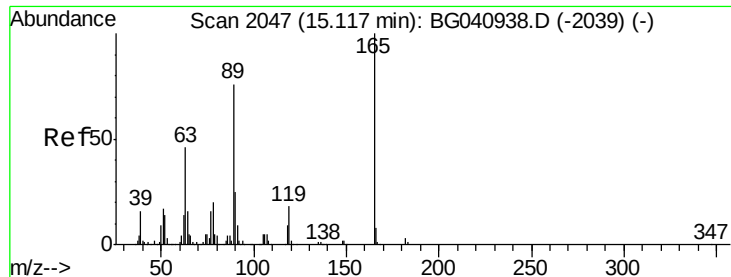
#45
 2-Fluorobiphenyl
 Concen: 92.813 ng
 RT: 13.36 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: BG041200.D
 Acq: 12 Jun 2019 11:08

Tgt Ion:172 Resp: 804414
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.1 46.7
 170 24.7 20.5 30.7



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





#57

2,4-Dinitrotoluene

Concen: 5.092 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605RE

Tgt Ion:165 Resp: 16387

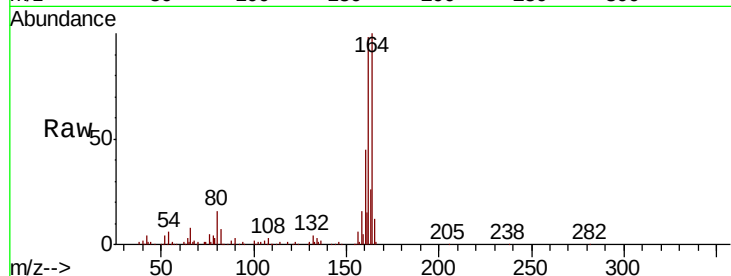
Ion Ratio Lower Upper

165 100

63 2.2 37.3 55.9#

89 3.7 61.0 91.6#

182 0.0 2.2 3.2#

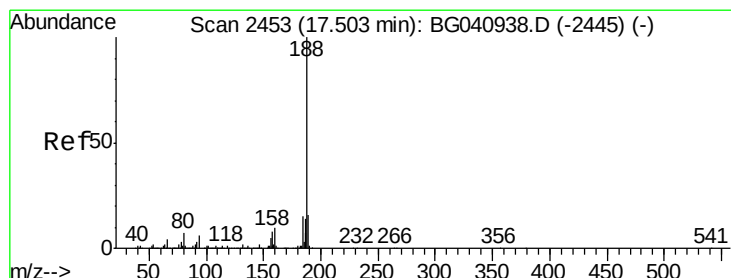
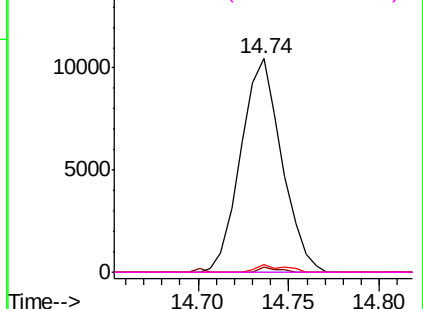
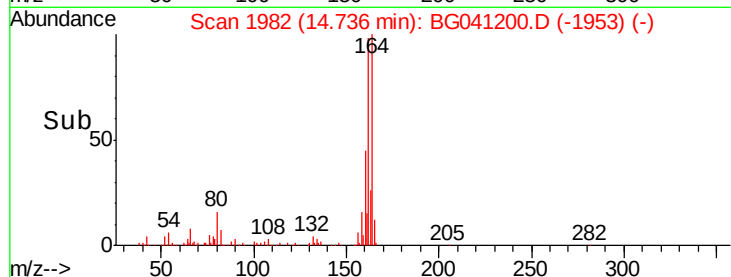


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

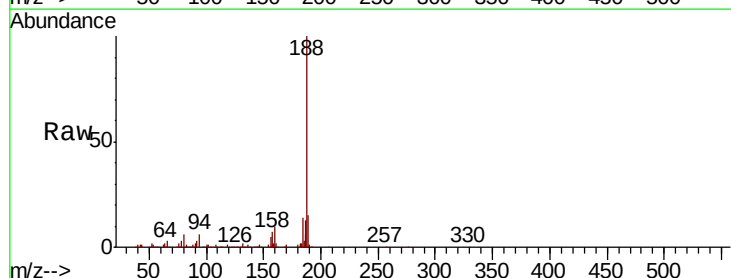
Tgt Ion:188 Resp: 309522

Ion Ratio Lower Upper

188 100

94 5.6 4.7 7.1

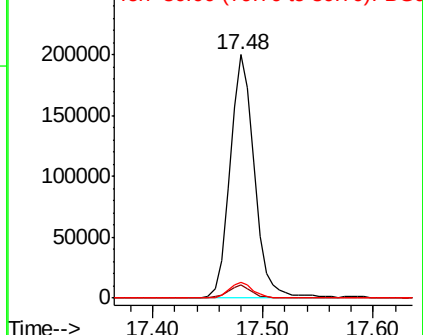
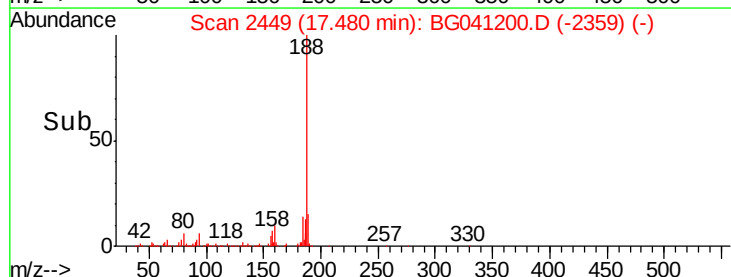
80 6.3 5.8 8.8

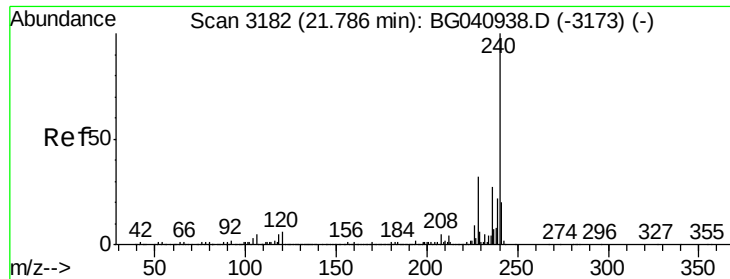


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

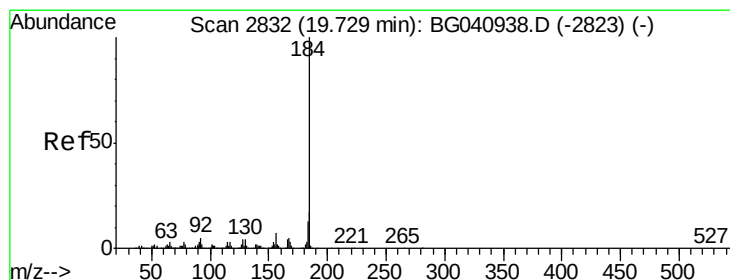
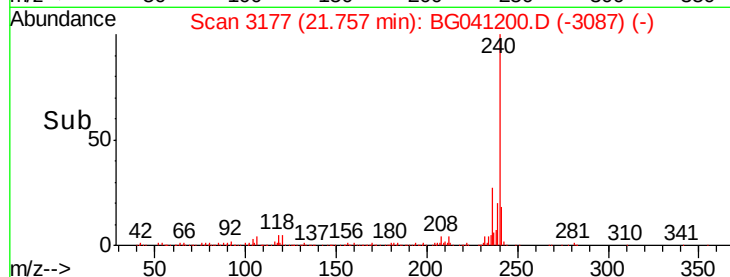
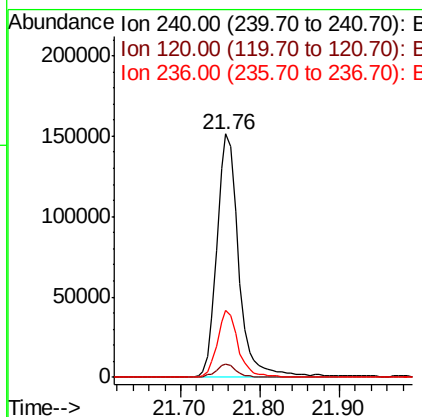
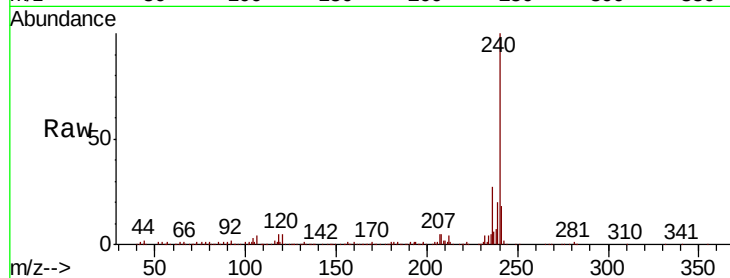




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3177
Delta R.T. -0.00 min
Lab File: BG041200.D
Acq: 12 Jun 2019 11:08

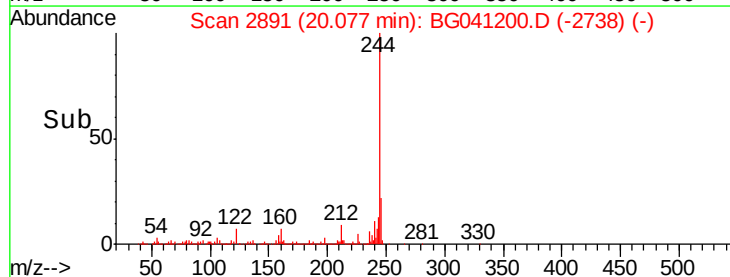
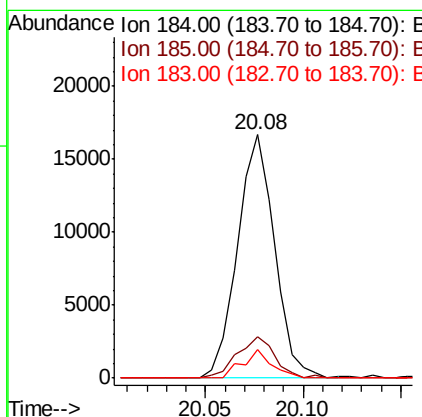
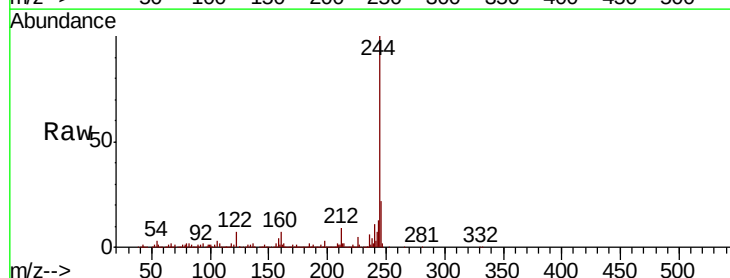
Instrument :
BNA_G
ClientSampleId :
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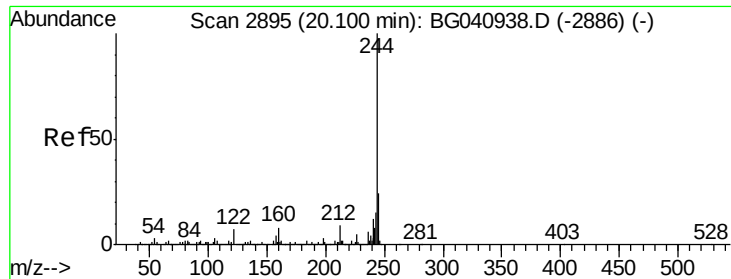
Tgt Ion:240 Resp: 290325
Ion Ratio Lower Upper
240 100
120 5.4 4.5 6.7
236 27.3 21.3 31.9



#77
Benzidine
Concen: 3.158 ng
RT: 20.08 min Scan# 2891
Delta R.T. 0.37 min
Lab File: BG041200.D
Acq: 12 Jun 2019 11:08

Tgt Ion:184 Resp: 21873
Ion Ratio Lower Upper
184 100
185 16.9 13.3 19.9
183 11.8 10.7 16.1





#79

Terphenyl-d14

Concen: 99.265 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605RE

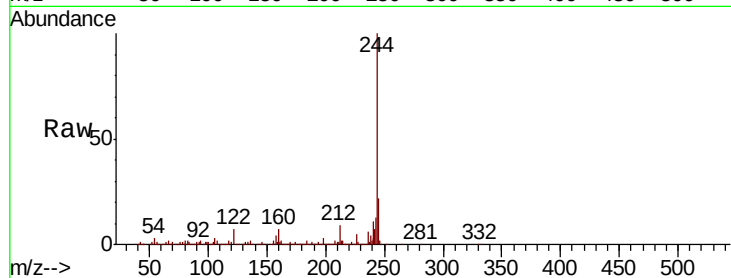
Tgt Ion:244 Resp: 1357892

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.4

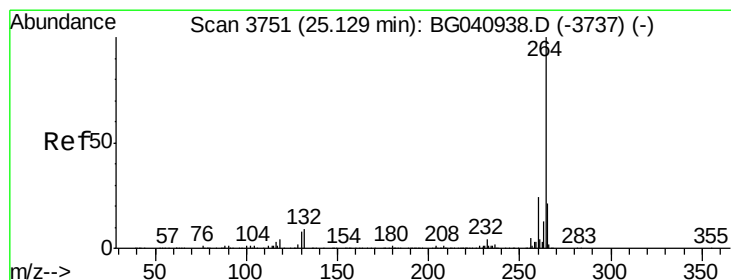
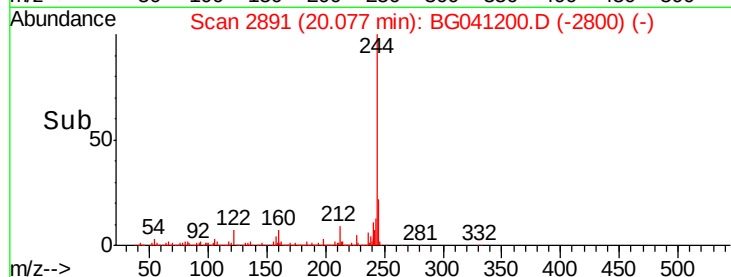
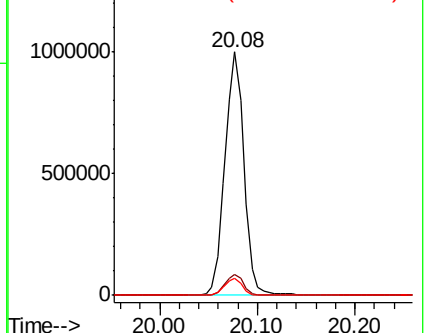
122 7.1 5.4 8.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. 0.01 min

Lab File: BG041200.D

Acq: 12 Jun 2019 11:08

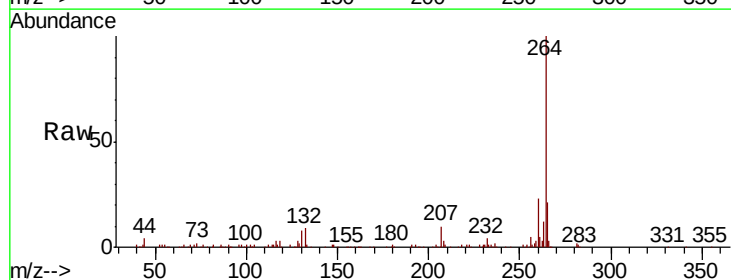
Tgt Ion:264 Resp: 259934

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 21.1 17.0 25.4



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

