

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG053119\
 Data File : BG040999.D
 Acq On : 1 Jun 2019 6:01
 Operator : HP/JU
 Sample : K3037-06
 Misc : LOO-MDL-WATER-20PPM
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 03 01:27:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	54986	20.00	ng	-0.01
21) Naphthalene-d8	10.94	136	224543	20.00	ng	-0.01
39) Acenaphthene-d10	14.75	164	163820	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	407873	20.00	ng	-0.01
76) Chrysene-d12	21.77	240	419049	20.00	ng	-0.01
87) Perylene-d12	25.11	264	443614	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	101656	33.34	ng	0.00
7) Phenol-d6	7.26	99	93510	19.86	ng	0.00
23) Nitrobenzene-d5	9.30	82	369609	73.07	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	167966	69.06	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	840192	73.86	ng	-0.01
79) Terphenyl-d14	20.09	244	1431866	72.52	ng	-0.01

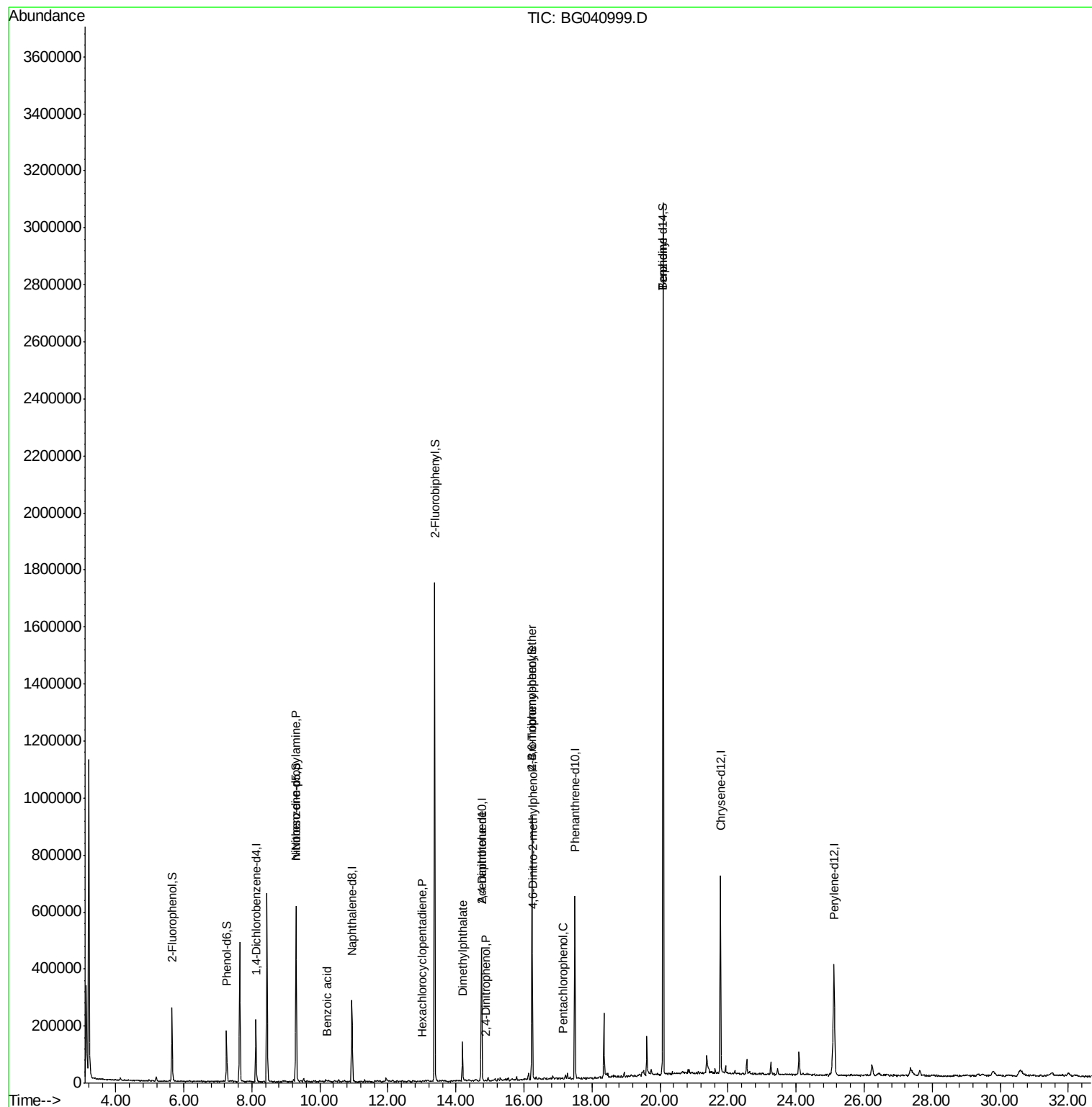
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.30	70	52640	14.525	ng	# 77
32) Benzoic acid	10.21	122	79	8.154	ng	# 54
41) Hexachlorocyclopentadiene	13.00	237	54	8.249	ng	# 26
50) Dimethylphthalate	14.19	163	88779	6.402	ng	99
54) 2,4-Dinitrophenol	14.88	184	68	8.306	ng	# 18
57) 2,4-Dinitrotoluene	14.75	165	20571	4.871	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.25	198	606	8.817	ng	# 71
67) 4-Bromophenyl-phenylether	16.23	248	12339	2.242	ng	# 1
70) Pentachlorophenol	17.14	266	305	4.348	ng	# 39
77) Benzidine	20.09	184	24764	2.477	ng	# 93

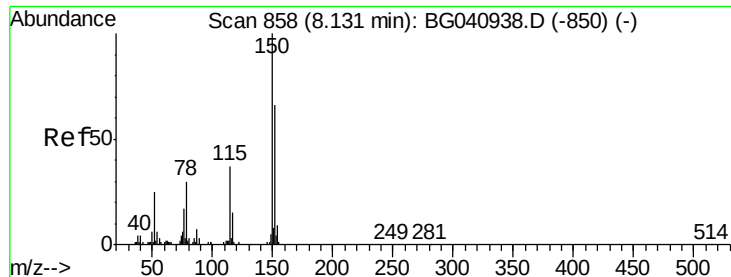
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampleId :

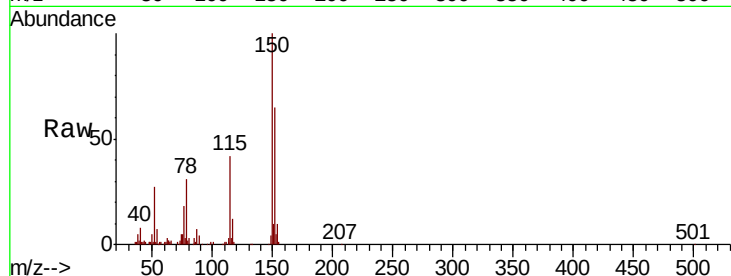
Tot Ion:152 Resp: 54986

Ion Ratio Lower Upper

152 100

150 154.7 120.6 180.8

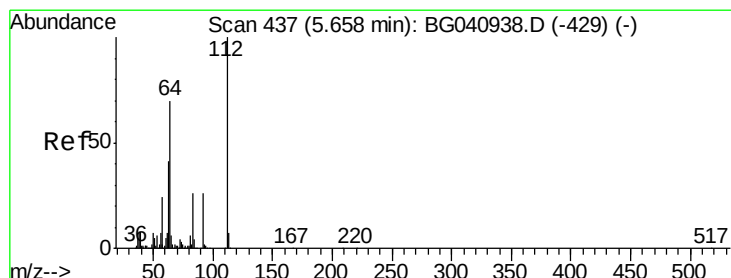
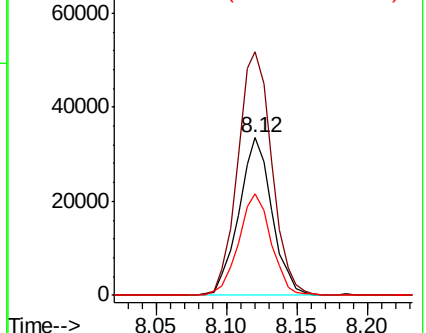
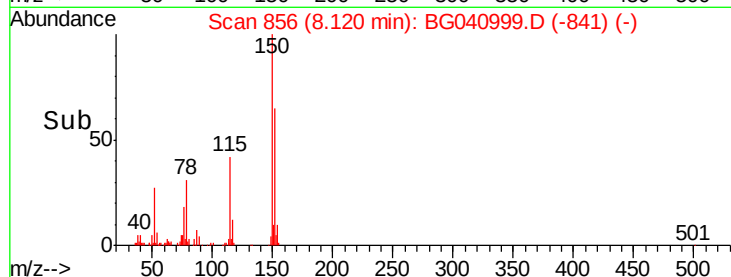
115 64.3 45.1 67.7



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: 33.337 ng

RT: 5.65 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

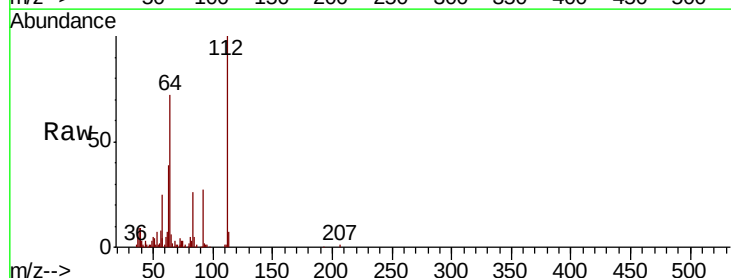
Tgt Ion:112 Resp: 101656

Ion Ratio Lower Upper

112 100

64 72.0 56.2 84.2

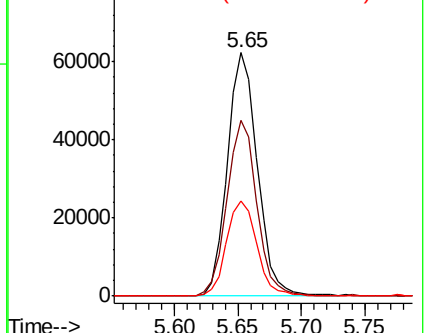
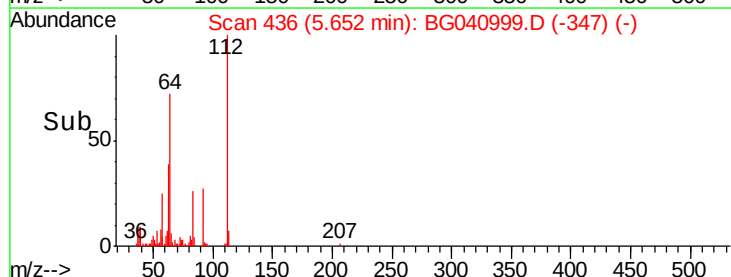
63 39.3 32.8 49.2

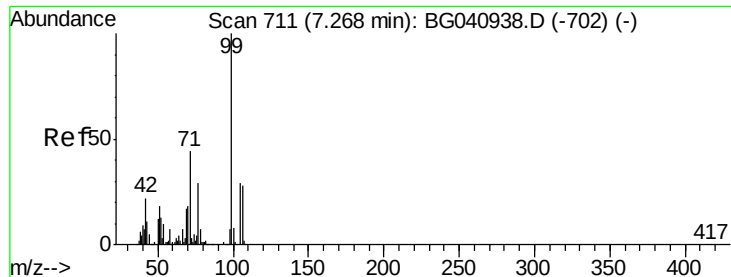


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 19.856 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampleId :

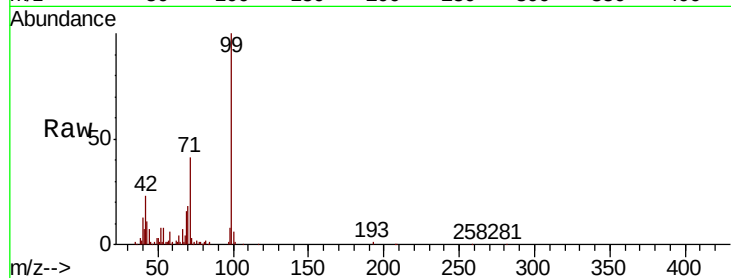
Tot Ion: 99 Resp: 93510

Ion Ratio Lower Upper

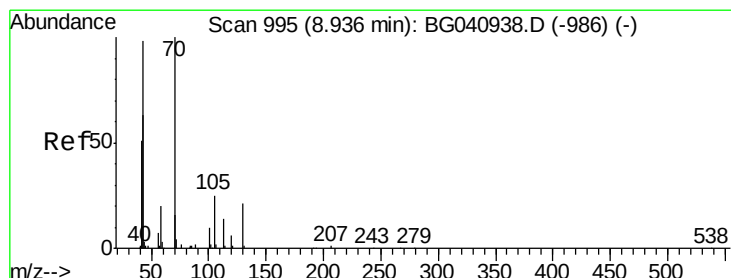
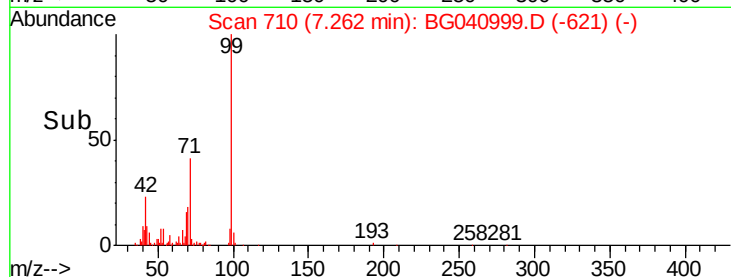
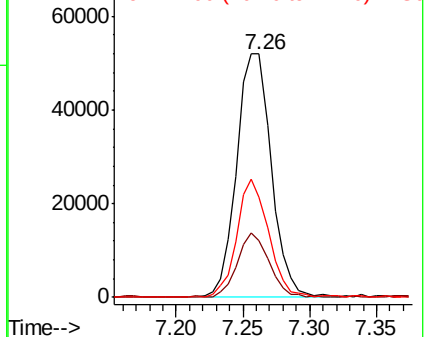
99 100

42 23.2 17.9 26.9

71 41.1 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: 14.525 ng

RT: 9.30 min Scan# 1057

Delta R.T. 0.36 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Tgt Ion: 70 Resp: 52640

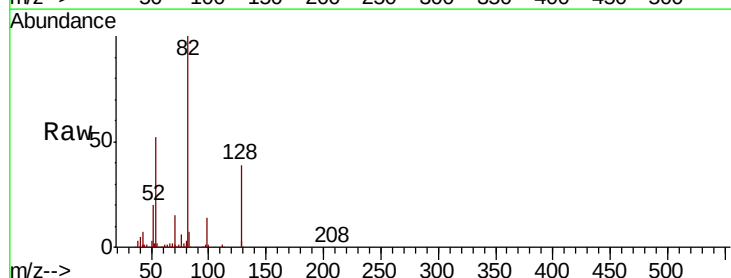
Ion Ratio Lower Upper

70 100

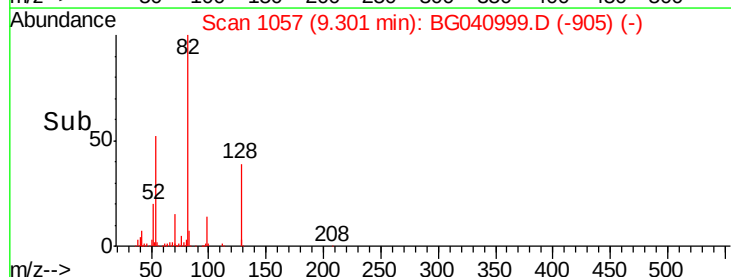
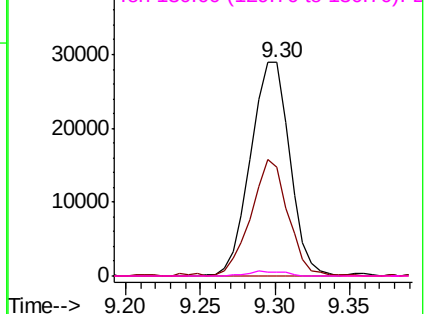
42 50.9 51.5 77.3#

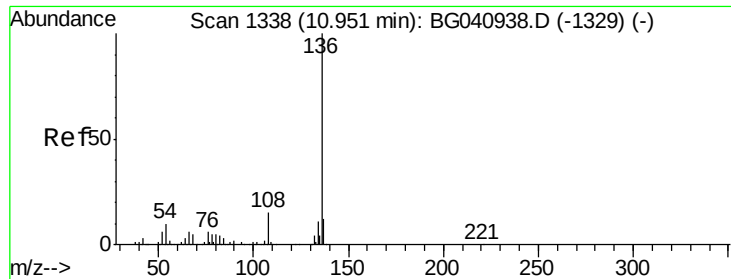
101 0.0 8.1 12.1#

130 1.8 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

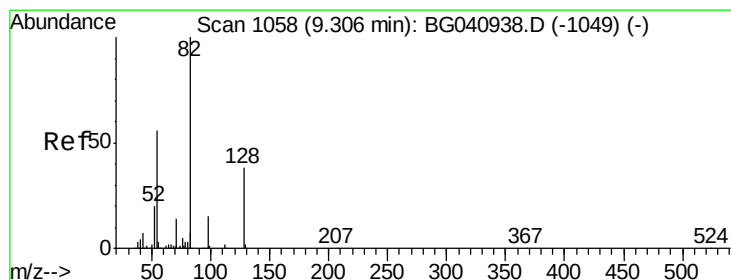
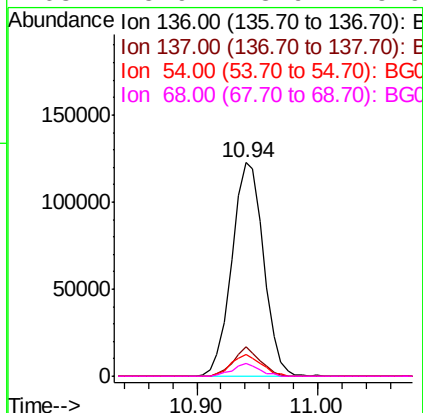
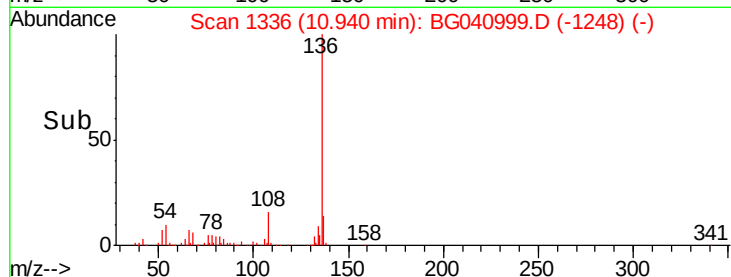
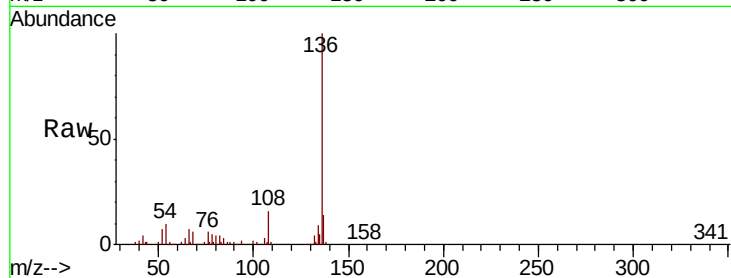




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

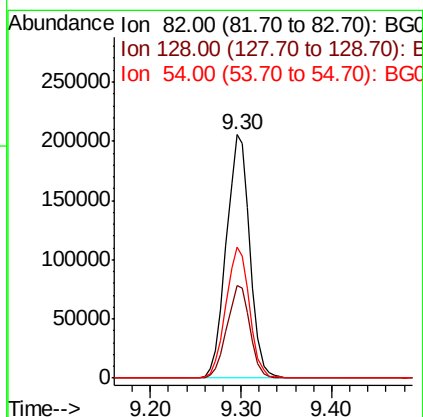
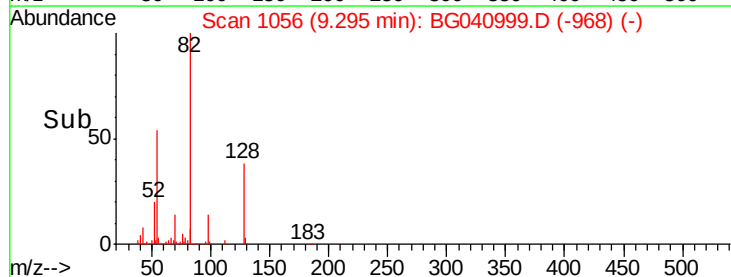
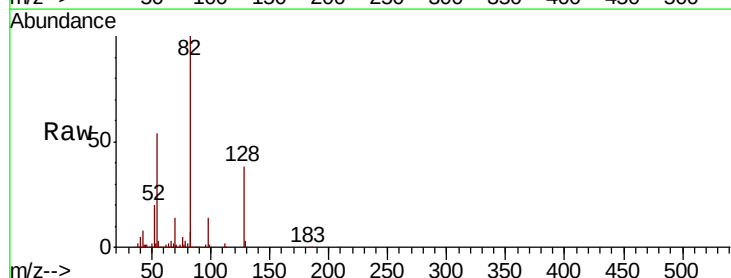
Instrument :
BNA_G
ClientSampleId :

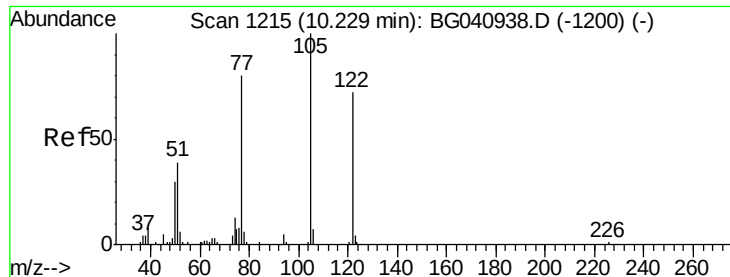
Tot Ion:	136	Resp:	224543
Ion	Ratio	Lower	Upper
136	100		
137	13.9	9.5	14.3
54	9.9	7.6	11.4
68	5.9	3.9	5.9#



#23
Nitrobenzene-d5
Concen: 73.074 ng
RT: 9.30 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Tgt Ion:	82	Resp:	369609
Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.5	45.7
54	53.7	44.6	66.8

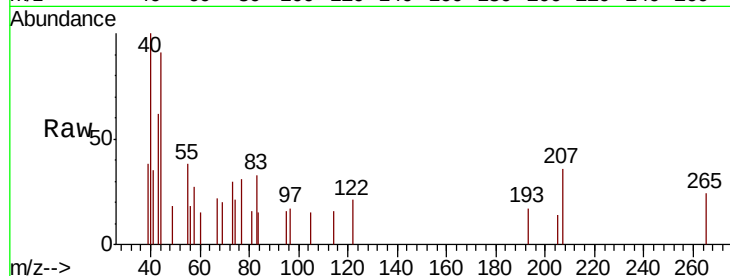




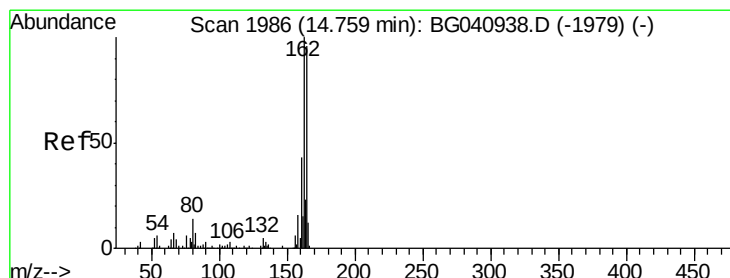
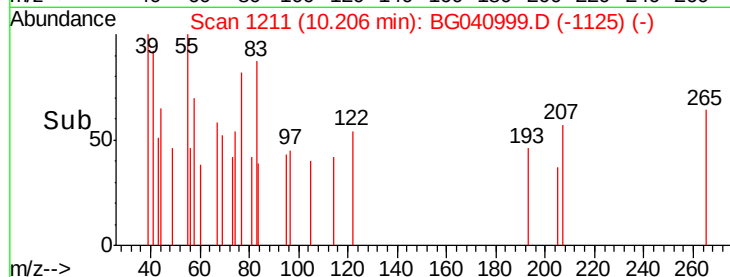
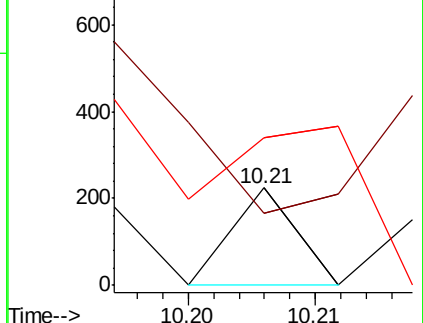
#32
Benzoic acid
Concen: 8.154 ng
RT: 10.21 min Scan# 1211
Delta R.T. -0.02 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
122	100		
105	74.1	114.8	154.8#
77	151.8	89.9	129.9#

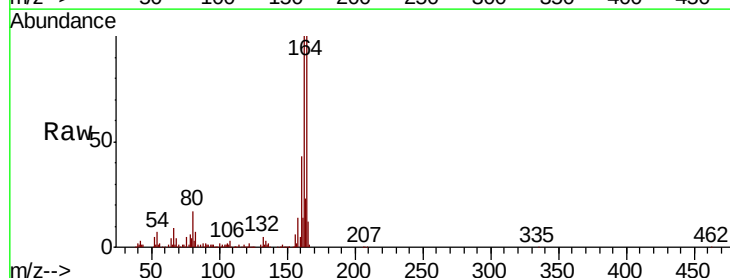


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG0

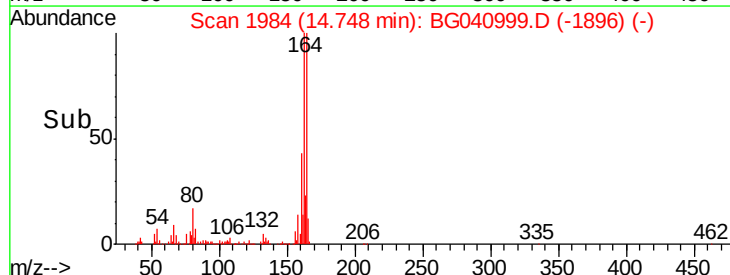
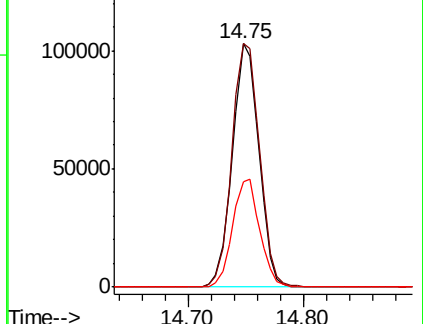


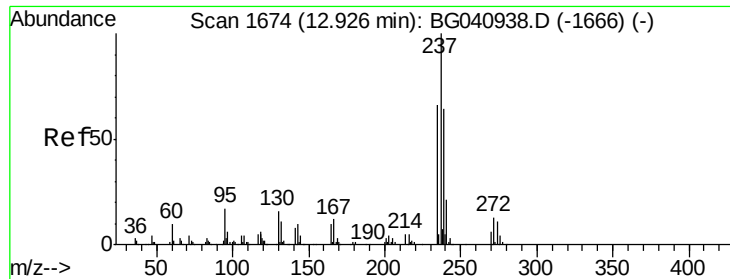
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.0	124.4
160	43.5	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: 8.249 ng

RT: 13.00 min Scan# 1686

Delta R.T. 0.07 min

Lab File: BG040999.D

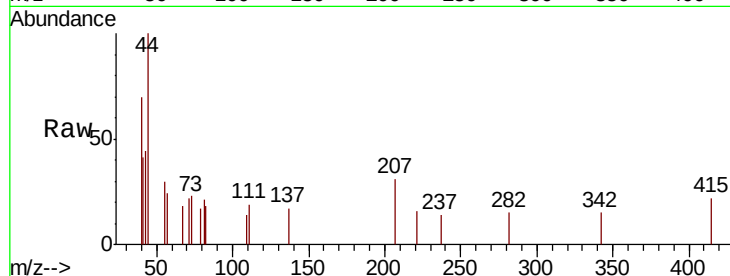
Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampled :

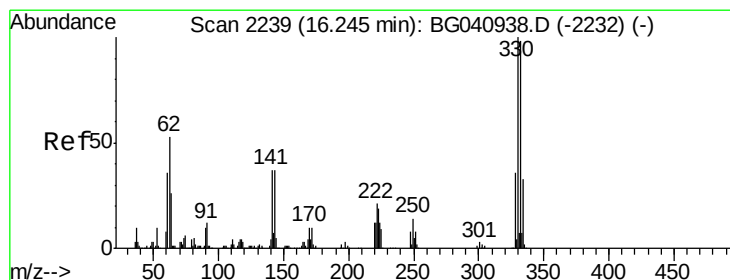
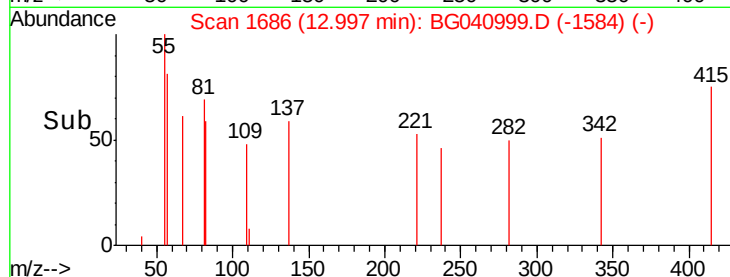
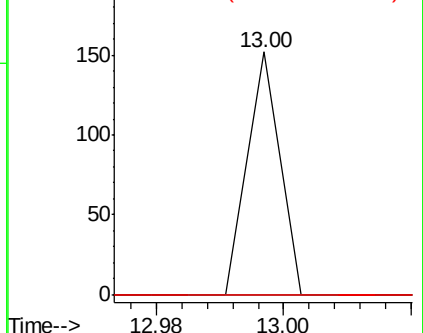
Tot Ion:	237	Resp:	54
Ion	Ratio	Lower	Upper
237	100		
235	0.0	45.5	85.5#
272	0.0	0.0	32.9



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: 69.064 ng

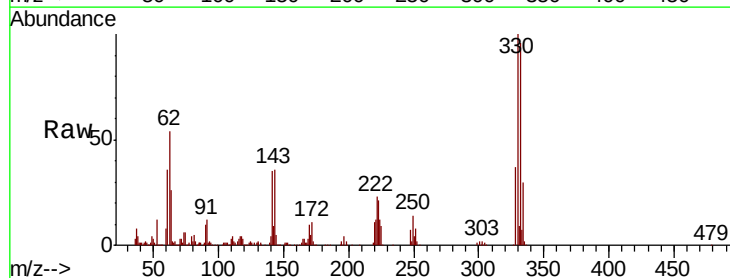
RT: 16.23 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

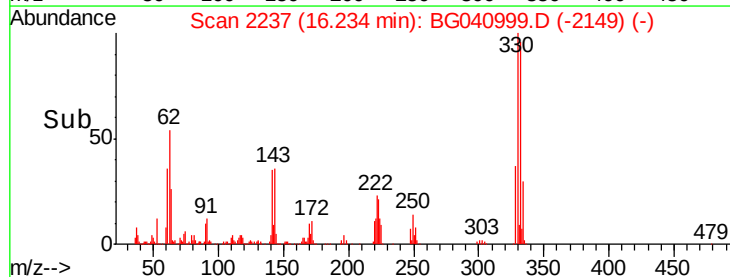
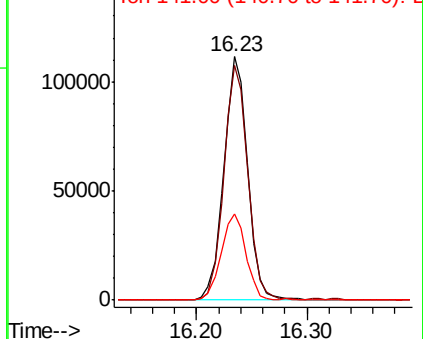
Tgt Ion:	330	Resp:	167966
Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.5	117.7
141	36.7	28.7	43.1

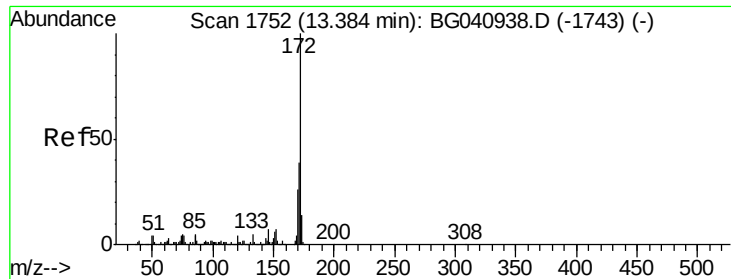


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

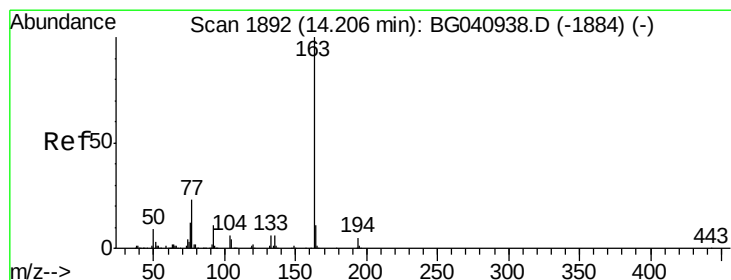
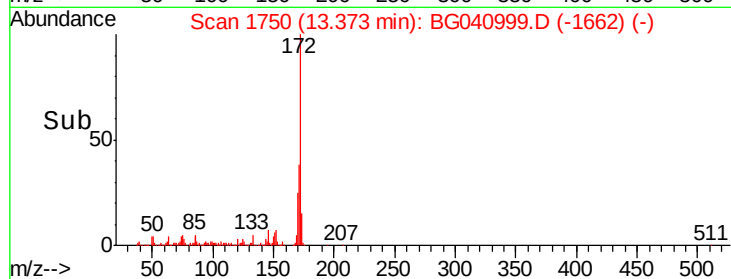
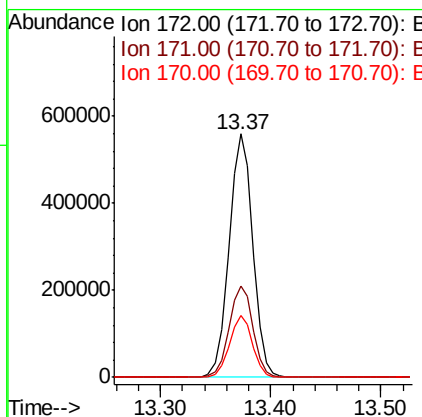
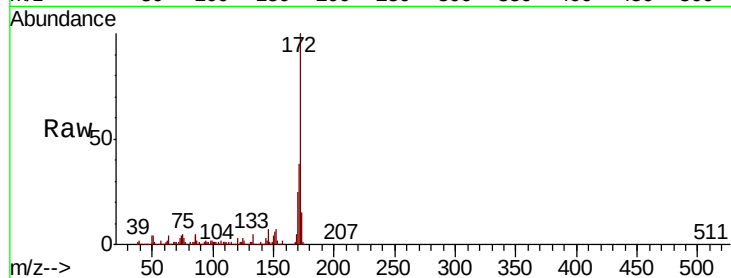




#45
2-Fluorobiphenyl
Concen: 73.859 ng
RT: 13.37 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

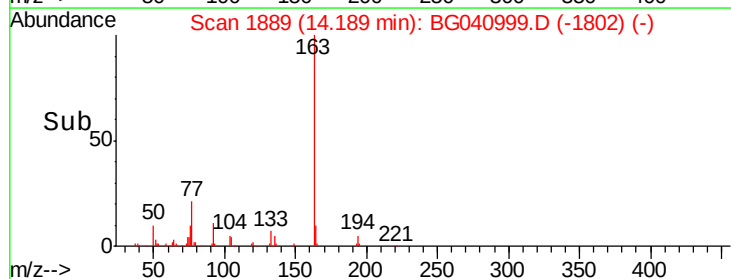
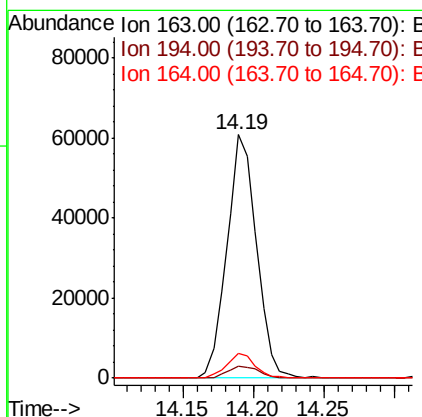
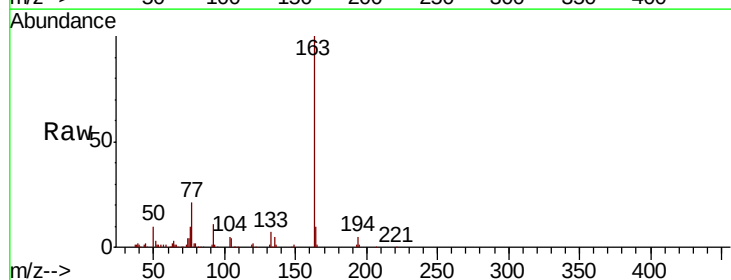
Instrument :
BNA_G
ClientSampleId :

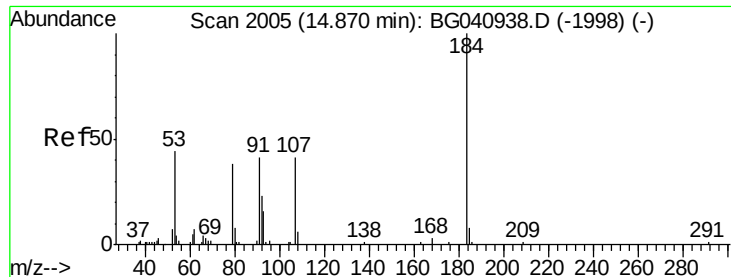
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	31.1	46.7
170	25.2	20.5	30.7



#50
Dimethylphthalate
Concen: 6.402 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.02 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.8	5.8
164	10.3	8.7	13.1





#54

2,4-Dinitrophenol

Concen: 8.306 ng

RT: 14.88 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampled :

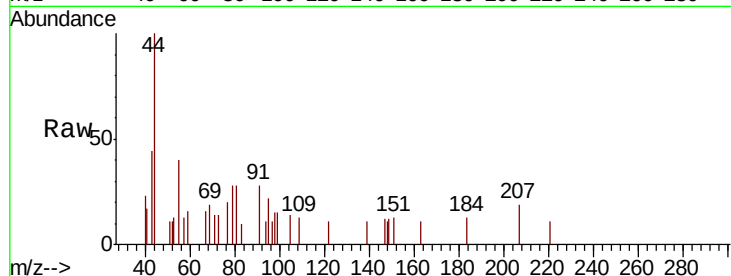
Tot Ion:184 Resp: 68

Ion Ratio Lower Upper

184 100

63 0.0 49.8 74.6#

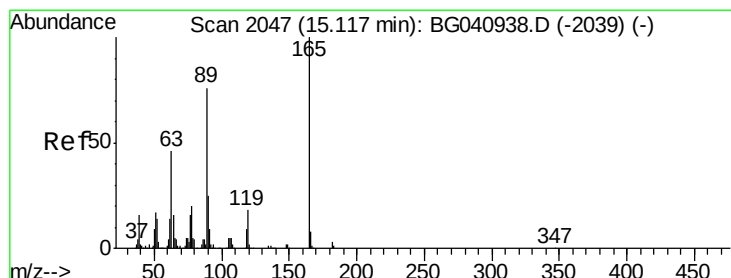
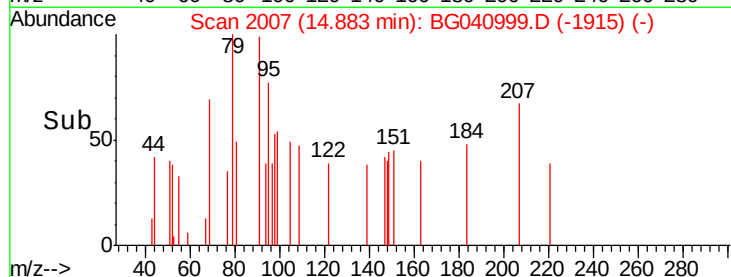
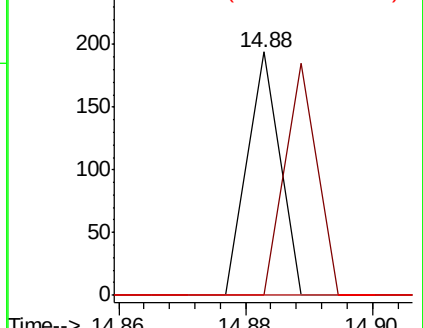
154 0.0 52.2 78.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 4.871 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.37 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Tgt Ion:165 Resp: 20571

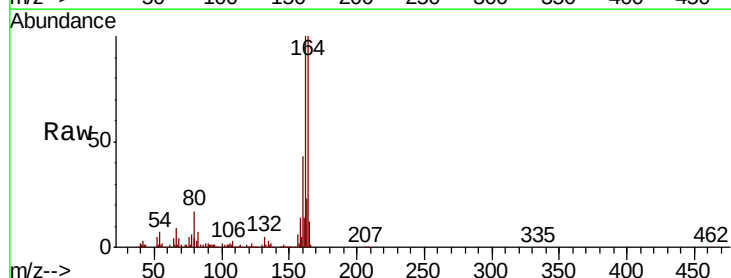
Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

89 3.0 61.0 91.6#

182 0.0 2.2 3.2#

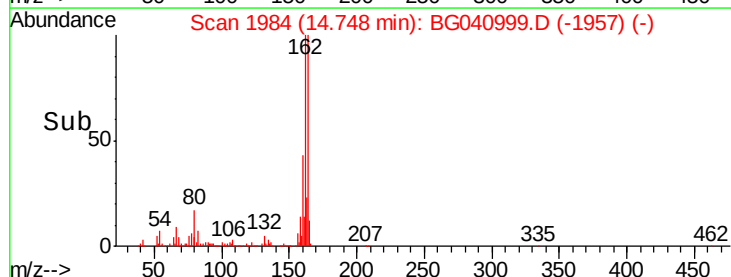
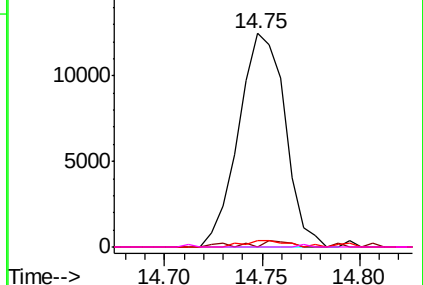


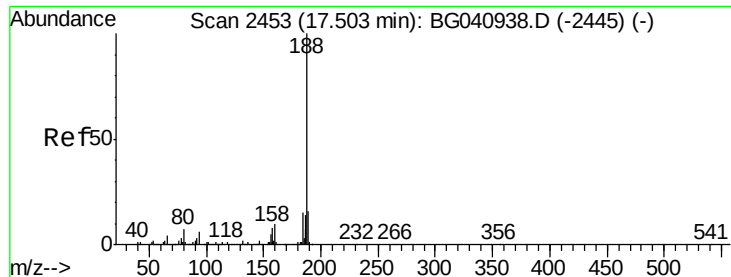
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.49 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampleId :

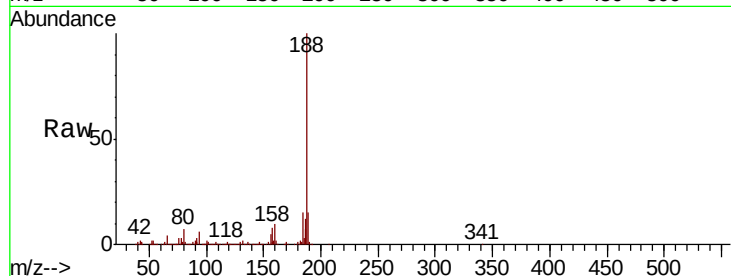
Tot Ion:188 Resp: 407873

Ion Ratio Lower Upper

188 100

94 6.0 4.7 7.1

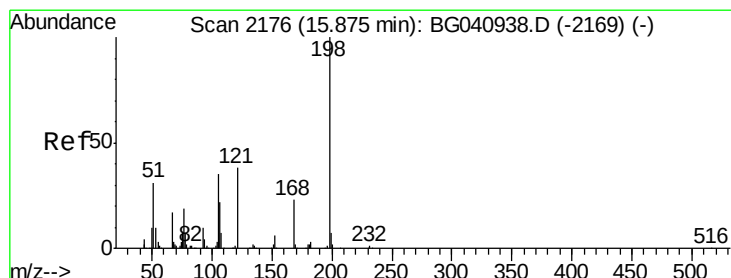
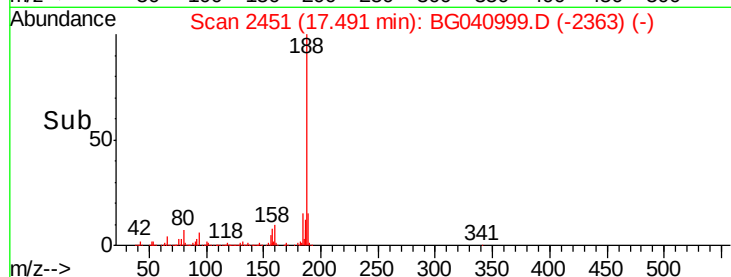
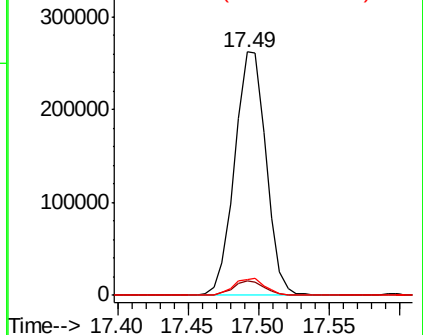
80 6.7 5.8 8.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.817 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.38 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

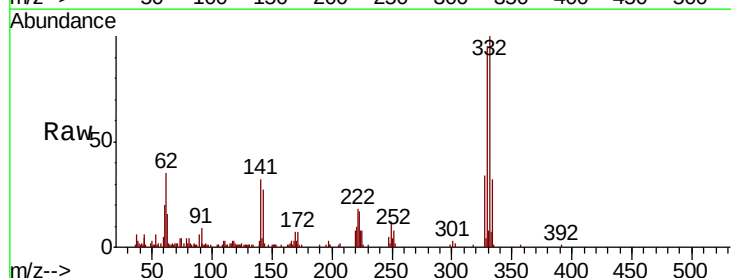
Tgt Ion:198 Resp: 606

Ion Ratio Lower Upper

198 100

51 76.4 21.6 61.6#

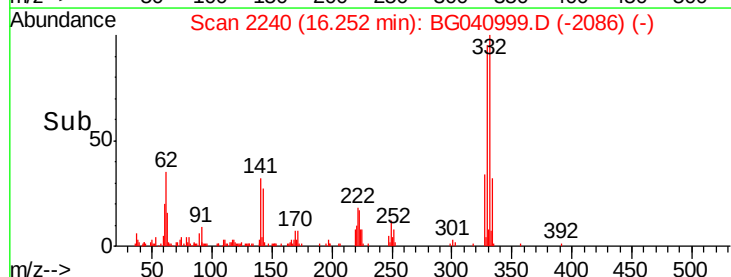
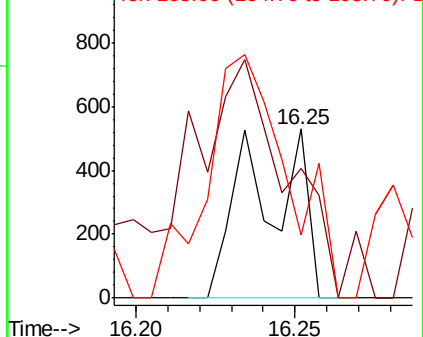
105 37.5 17.5 57.5

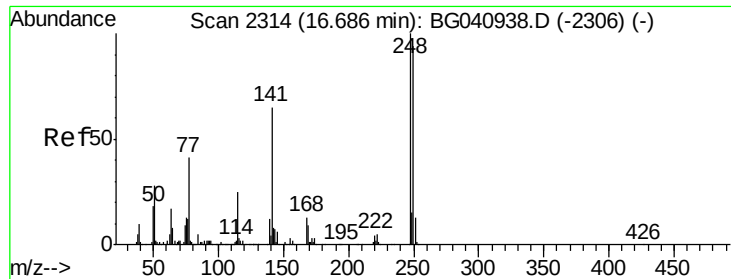


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

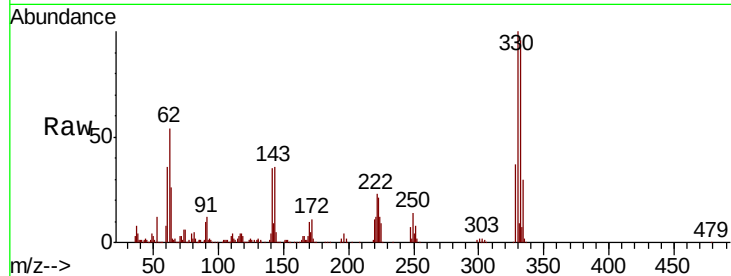




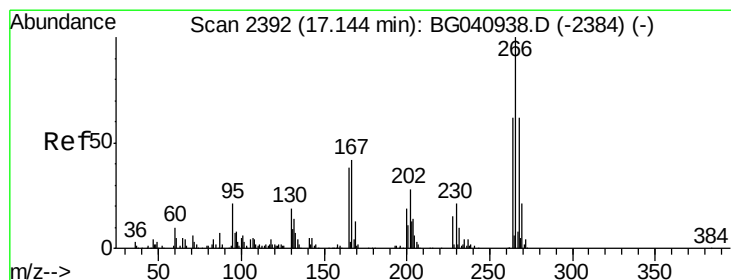
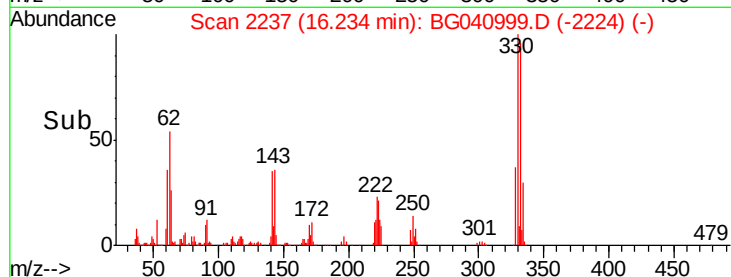
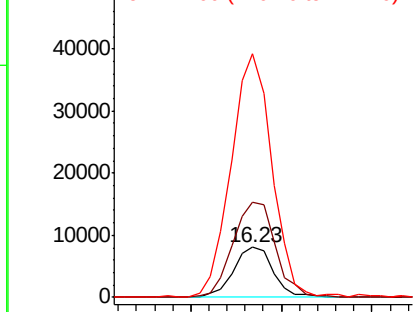
#67
4-Bromophenyl-phenylether
Concen: 2.242 ng
RT: 16.23 min Scan# 2237
Delta R.T. -0.45 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 12339
Ion Ratio Lower Upper
248 100
250 248.0 75.0 112.4#
141 487.9 52.4 78.6#

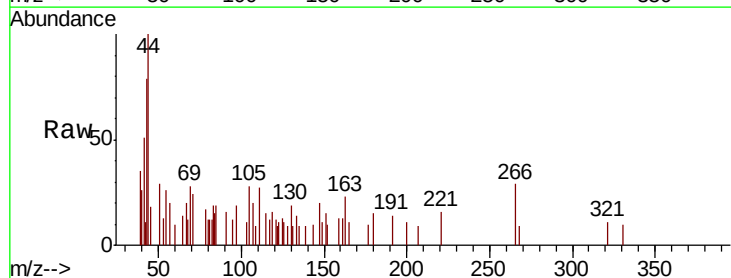


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

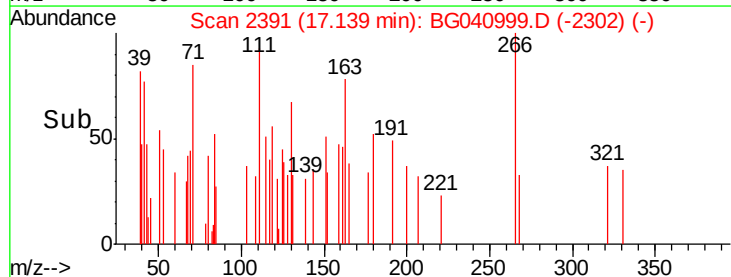
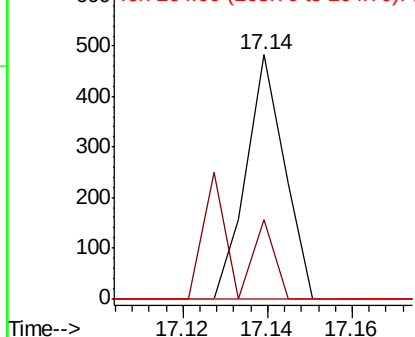


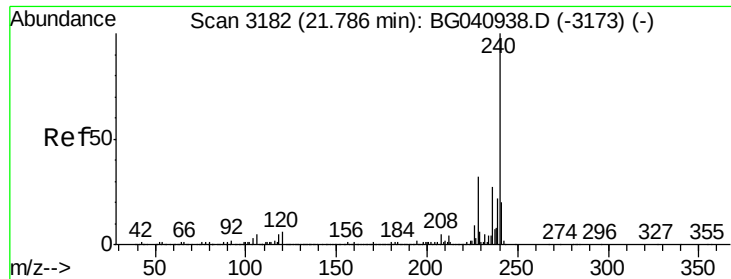
#70
Pentachlorophenol
Concen: 4.348 ng
RT: 17.14 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Tgt Ion:266 Resp: 305
Ion Ratio Lower Upper
266 100
268 32.5 53.1 79.7#
264 0.0 49.9 74.9#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

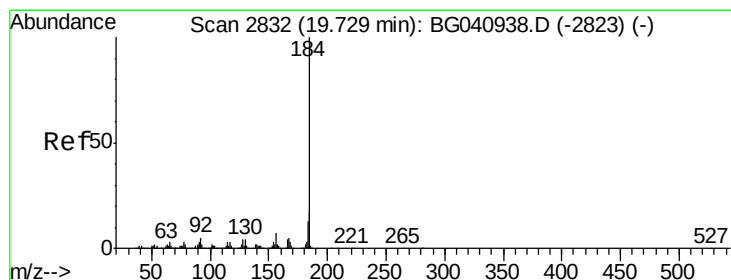
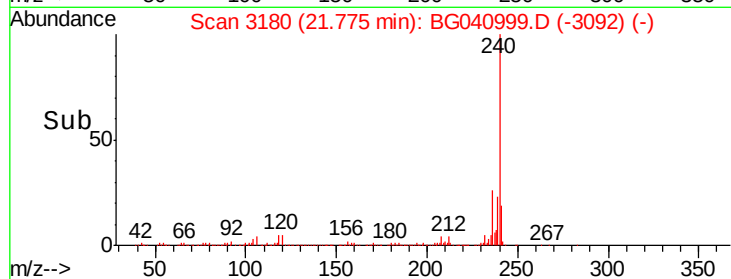
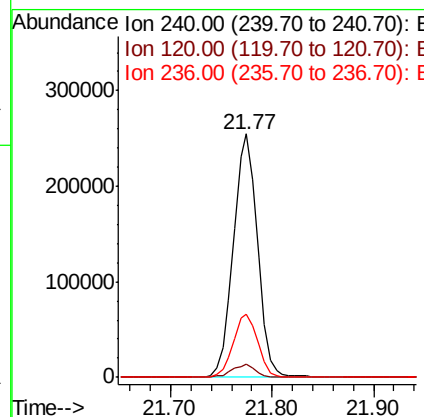
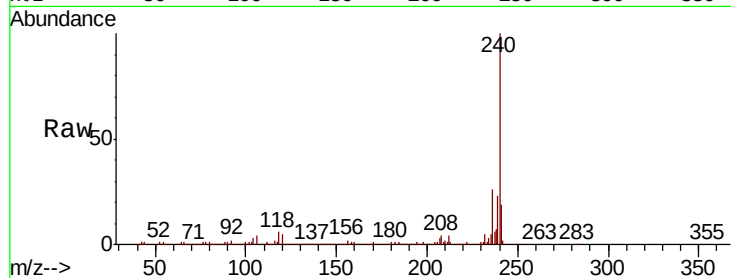




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3180
Delta R.T. -0.01 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

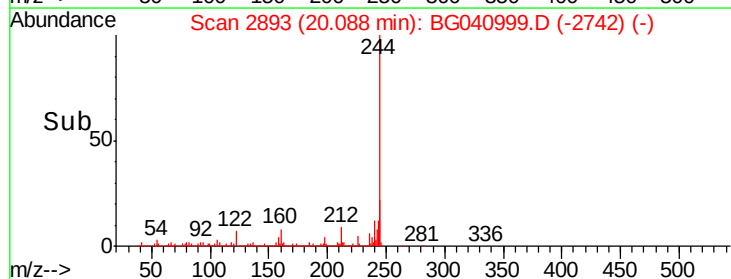
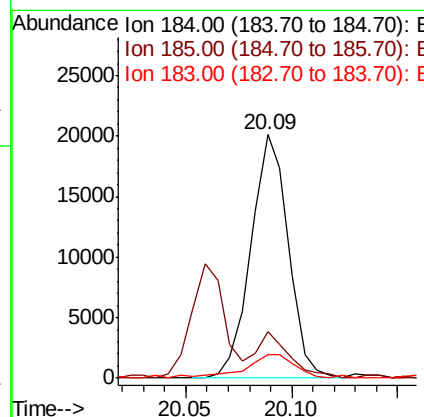
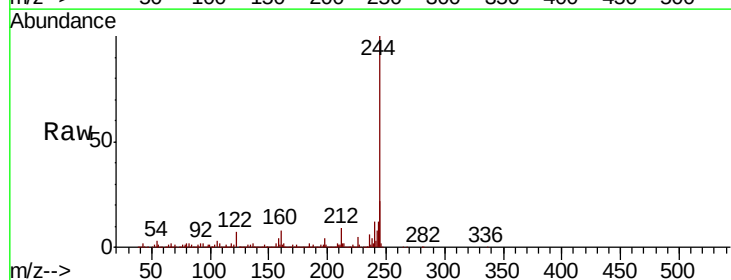
Instrument :
BNA_G
ClientSampleId :

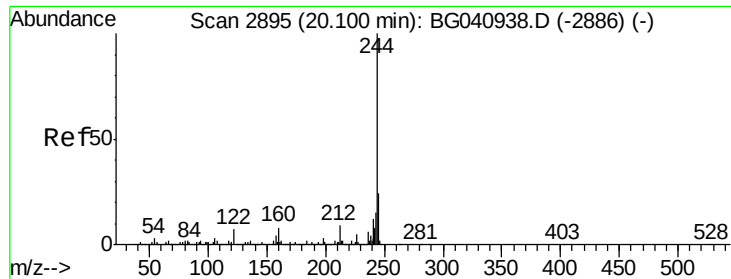
Tot Ion:240 Resp: 419049
Ion Ratio Lower Upper
240 100
120 5.4 4.5 6.7
236 25.8 21.3 31.9



#77
Benzidine
Concen: 2.477 ng
RT: 20.09 min Scan# 2893
Delta R.T. 0.36 min
Lab File: BG040999.D
Acq: 1 Jun 2019 6:01

Tgt Ion:184 Resp: 24764
Ion Ratio Lower Upper
184 100
185 19.3 13.3 19.9
183 9.8 10.7 16.1#





#79

Terphenyl-d14

Concen: 72.519 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

Instrument :

BNA_G

ClientSampled :

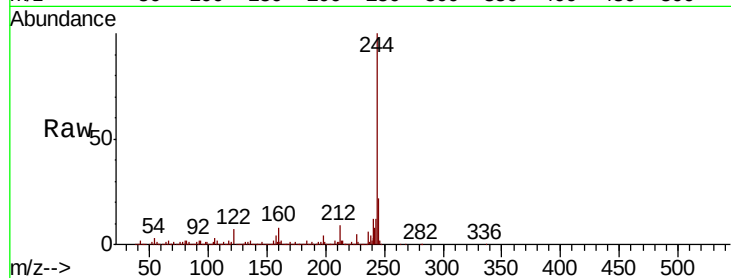
Tot Ion:244 Resp: 1431866

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

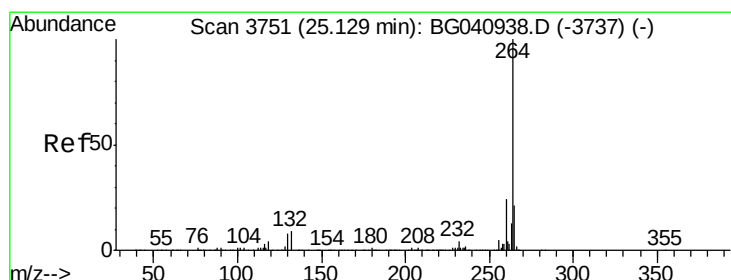
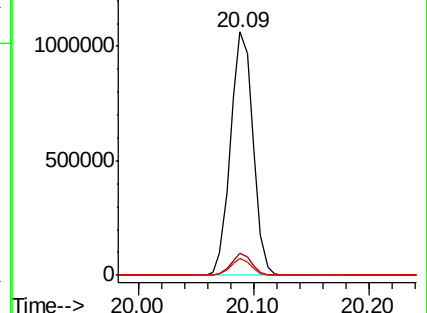
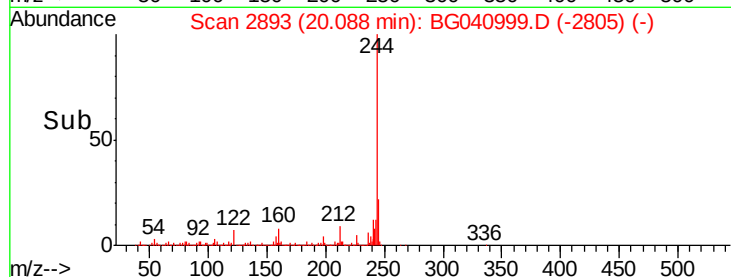
122 7.2 5.4 8.0



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: 25.11 min Scan# 3748

Delta R.T. -0.02 min

Lab File: BG040999.D

Acq: 1 Jun 2019 6:01

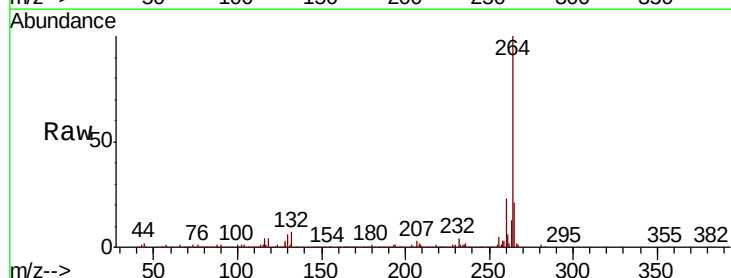
Tgt Ion:264 Resp: 443614

Ion Ratio Lower Upper

264 100

260 23.3 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

