

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040632.D
 Acq On : 26 Apr 2019 16:50
 Operator : JU/SJ
 Sample : K2566-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

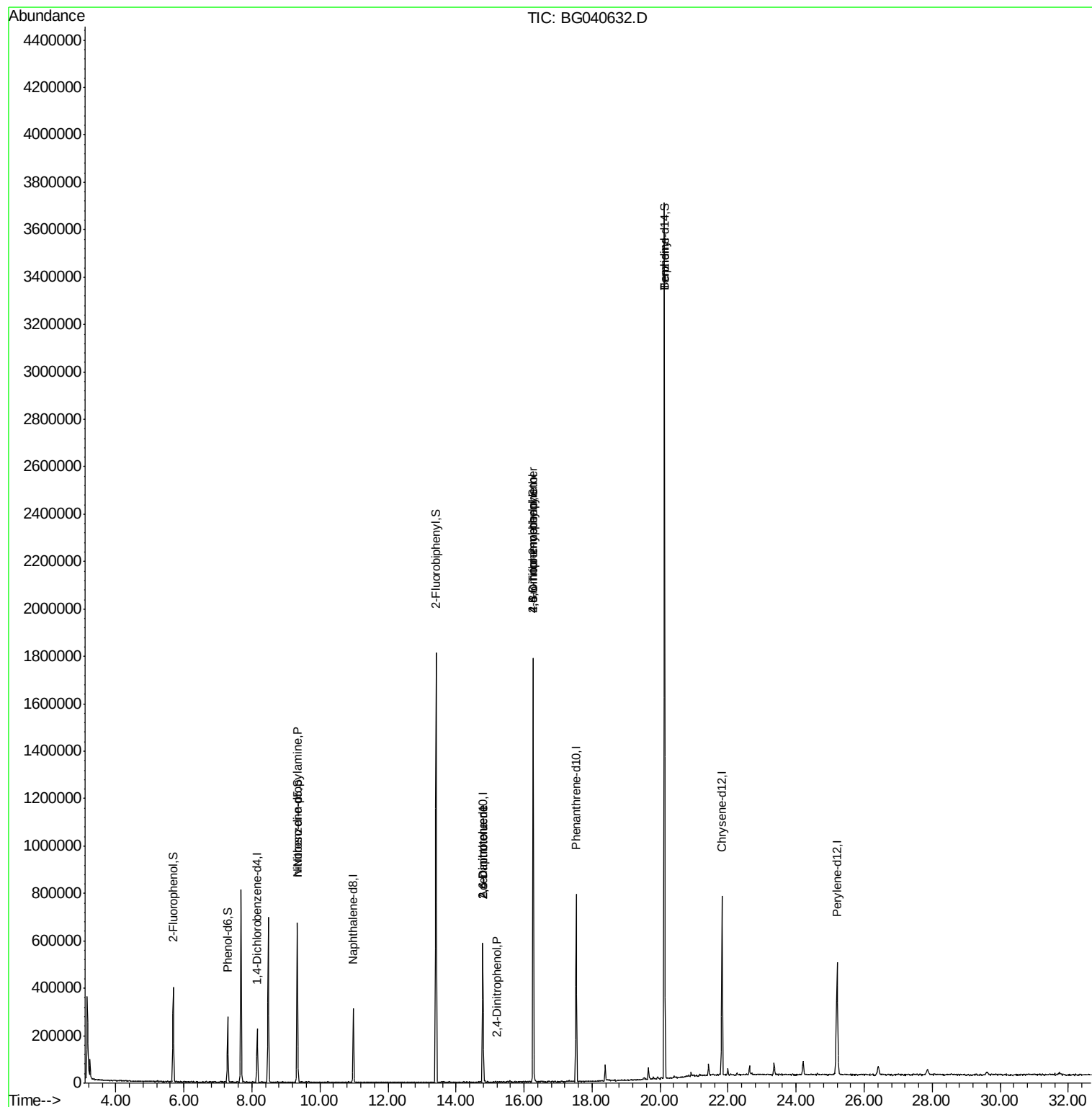
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	53344	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	237346	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	179110	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	454318	20.00	ng	0.00
76) Chrysene-d12	21.82	240	443970	20.00	ng	0.00
87) Perylene-d12	25.20	264	472407	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	142519	47.10	ng	0.00
7) Phenol-d6	7.28	99	132053	28.34	ng	-0.01
23) Nitrobenzene-d5	9.34	82	391641	76.24	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	285024	115.77	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	869230	70.09	ng	0.00
79) Terphenyl-d14	20.13	244	1621491	80.91	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	626	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.34	70	57859	13.795	ng	# 75
51) 2,6-Dinitrotoluene	14.79	165	23343	7.981	ng	# 16
54) 2,4-Dinitrophenol	15.19	184	71	7.054	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	23343	5.874	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.27	198	1083	7.513	ng	# 70
67) 4-Bromophenyl-phenylether	16.27	248	21718	3.837	ng	# 1
77) Benzydine	20.13	184	33236	2.734	ng	94

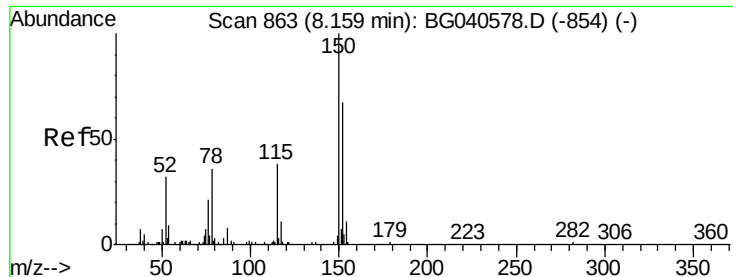
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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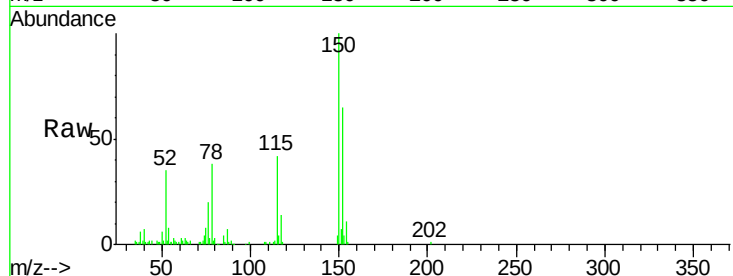


#1

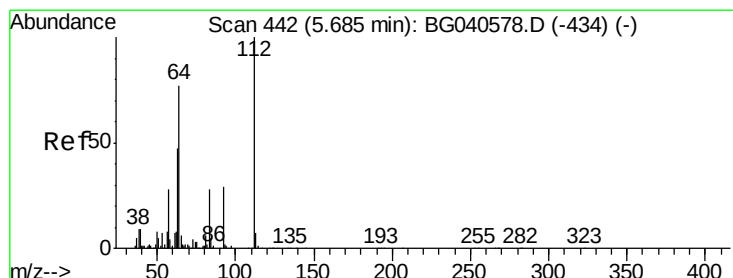
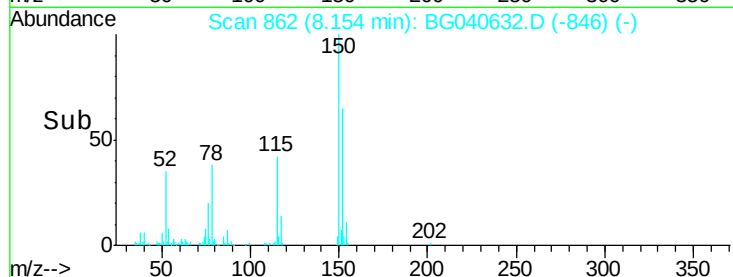
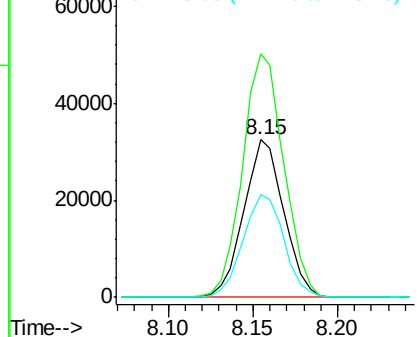
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53344
Ion Ratio Lower Upper
152 100
150 154.5 120.2 180.2
115 65.3 46.2 69.2



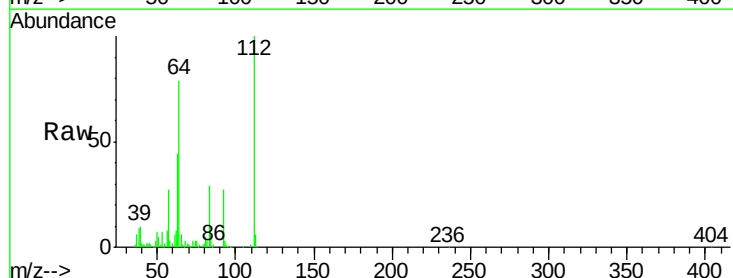
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



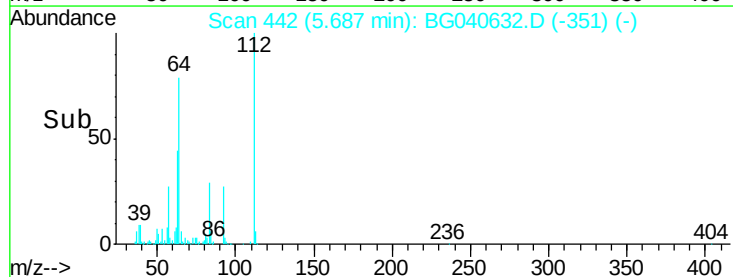
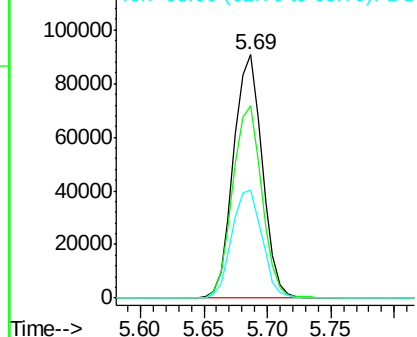
#5

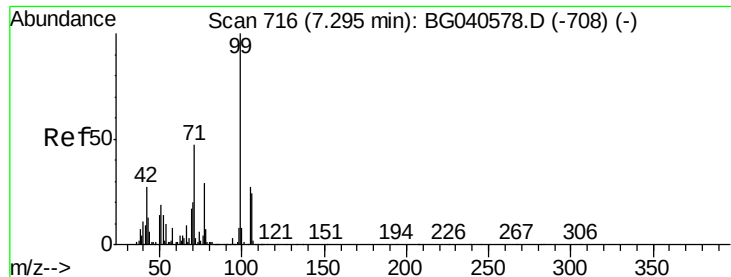
2-Fluorophenol
Concen: 47.096 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:112 Resp: 142519
Ion Ratio Lower Upper
112 100
64 79.2 61.4 92.0
63 44.5 37.8 56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 28.341 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Instrument :

BNA_G

ClientSampled :

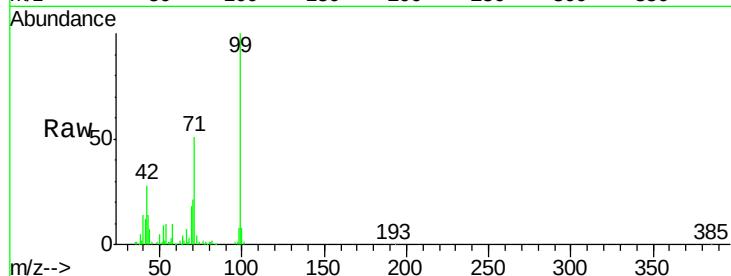
Tot Ion: 99 Resp: 132053

Ion Ratio Lower Upper

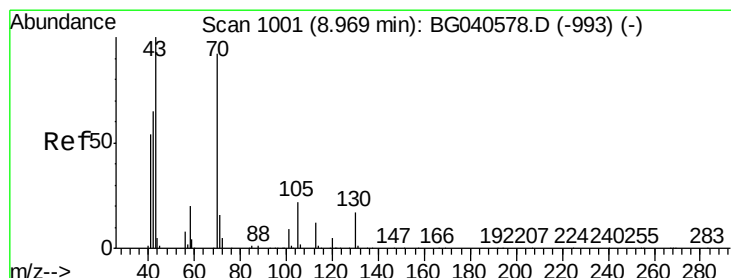
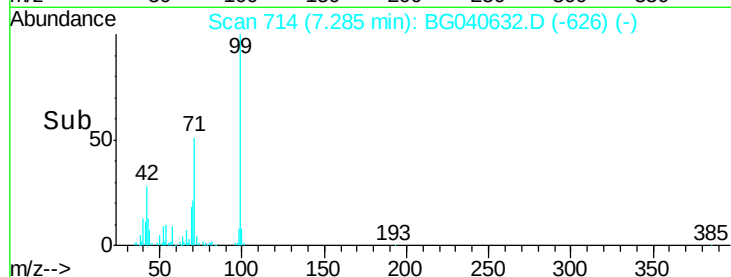
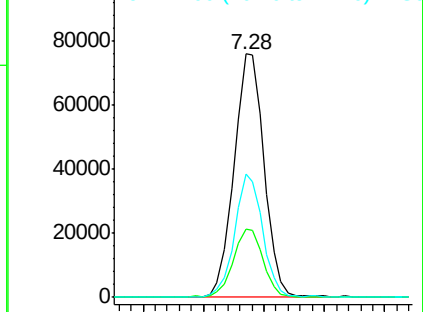
99 100

42 28.3 21.8 32.8

71 50.9 38.6 57.8



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: 13.795 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Tgt Ion: 70 Resp: 57859

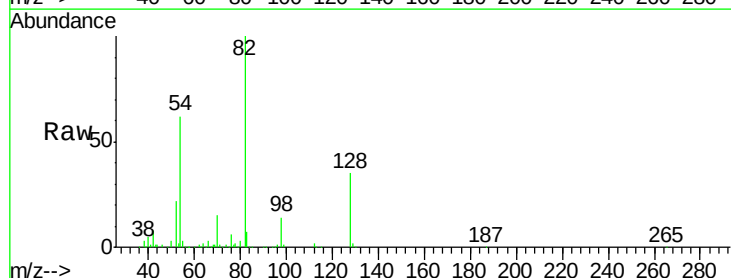
Ion Ratio Lower Upper

70 100

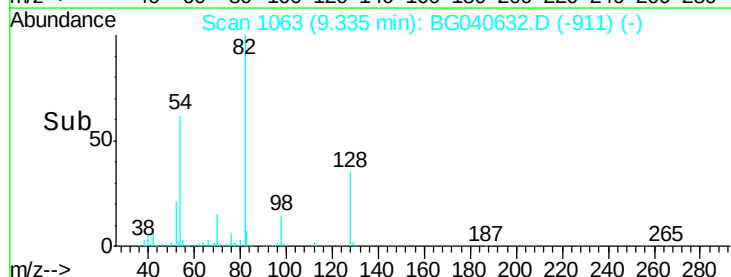
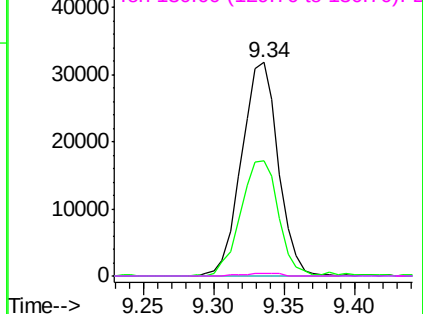
42 53.7 57.1 85.7#

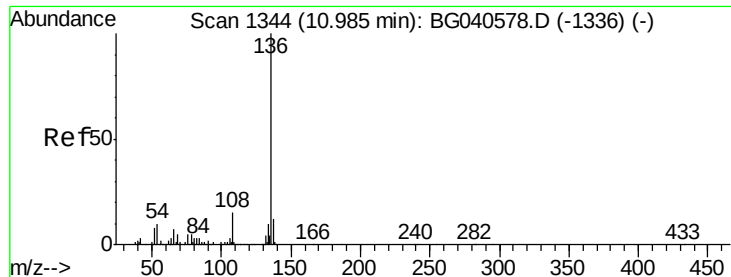
101 0.0 7.8 11.8#

130 1.1 14.6 21.8#



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: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 237346

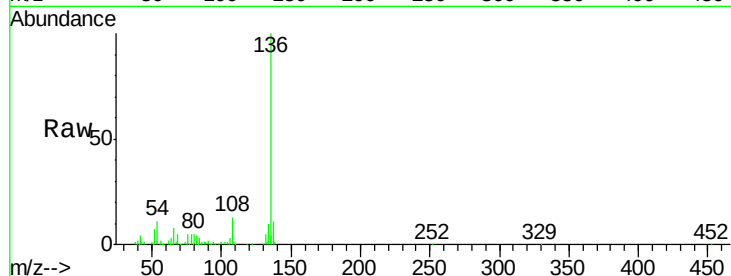
Ion Ratio Lower Upper

136 100

137 11.4 9.7 14.5

54 11.1 8.6 12.8

68 5.4 4.8 7.2

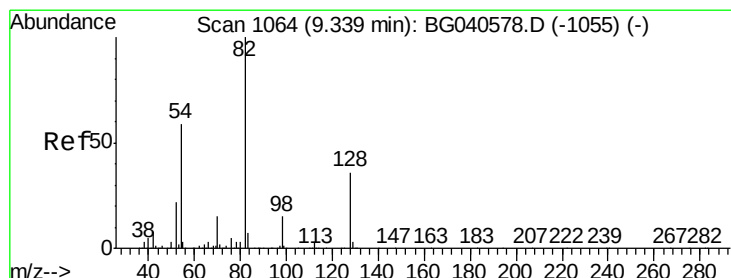
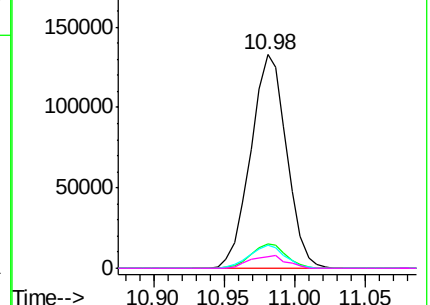
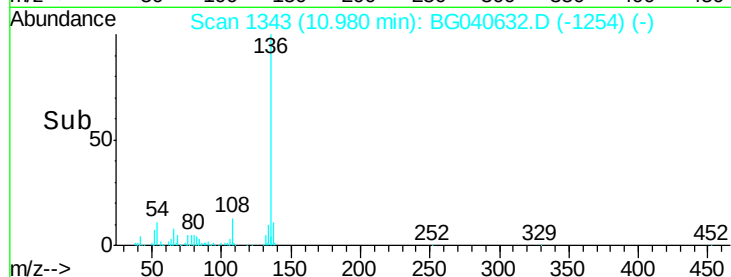


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 76.244 ng

RT: 9.34 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

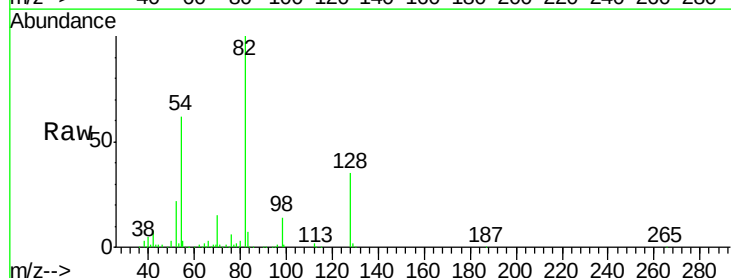
Tgt Ion: 82 Resp: 391641

Ion Ratio Lower Upper

82 100

128 34.6 28.9 43.3

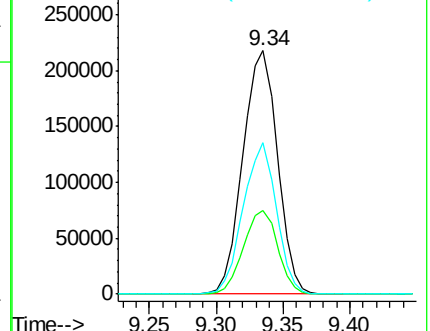
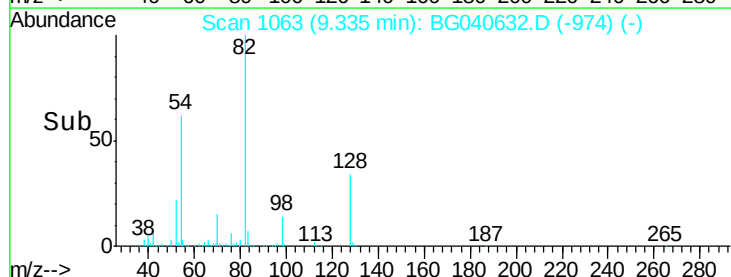
54 61.9 47.2 70.8

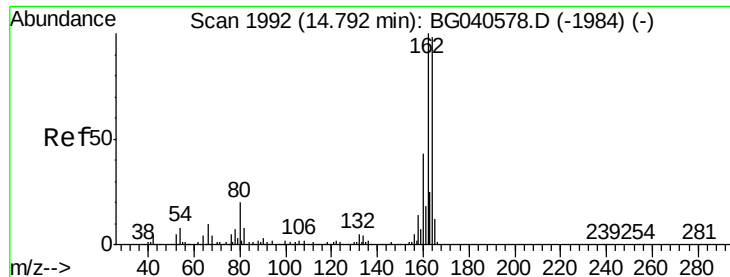


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Instrument :

BNA_G

ClientSampleId :

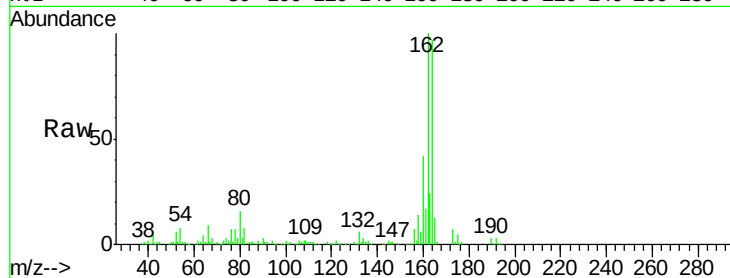
Tot Ion:164 Resp: 179110

Ion Ratio Lower Upper

164 100

162 103.5 81.9 122.9

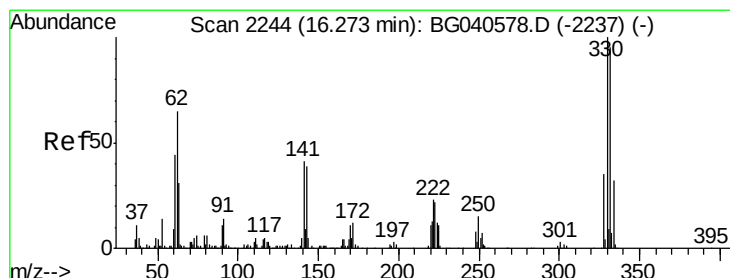
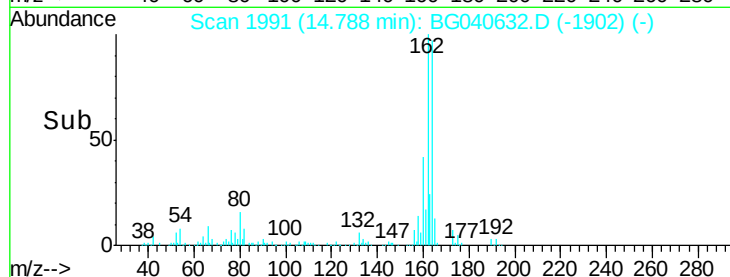
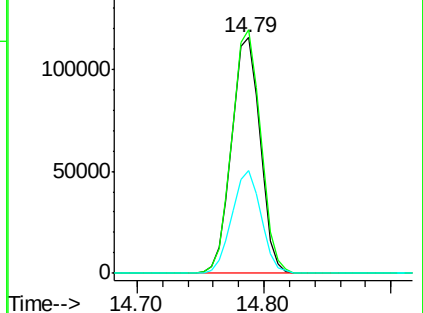
160 43.4 35.4 53.2



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: 115.774 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

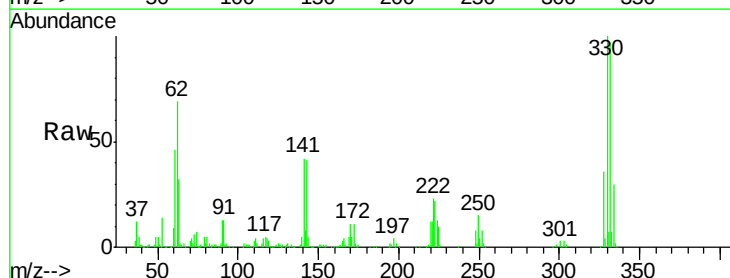
Tgt Ion:330 Resp: 285024

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

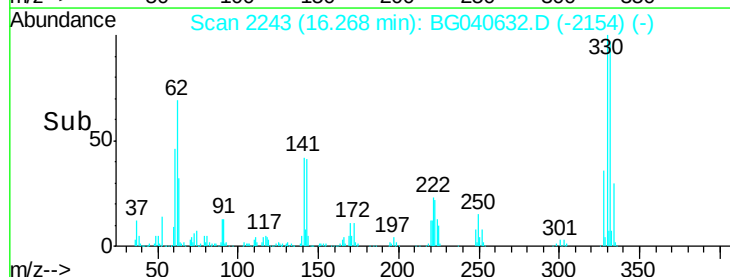
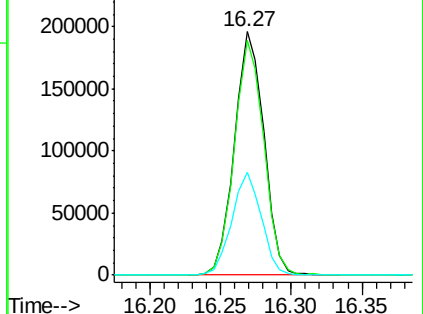
141 42.1 32.4 48.6

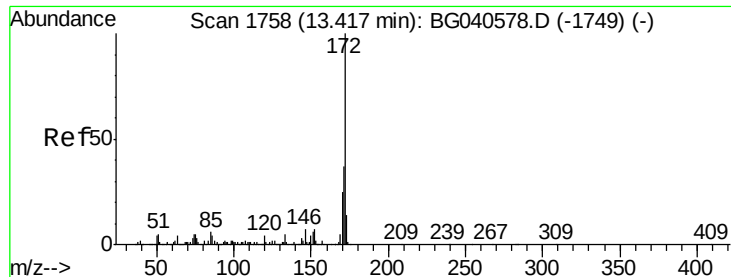


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 70.088 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

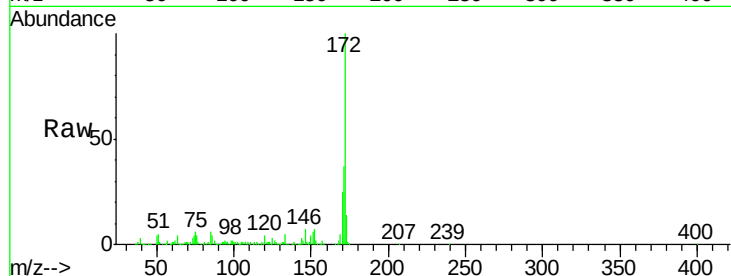
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 869230

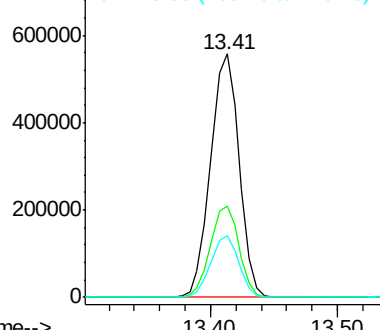
Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.2
170	25.2	19.9	29.9



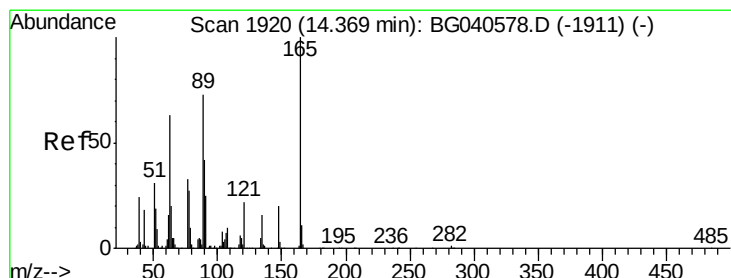
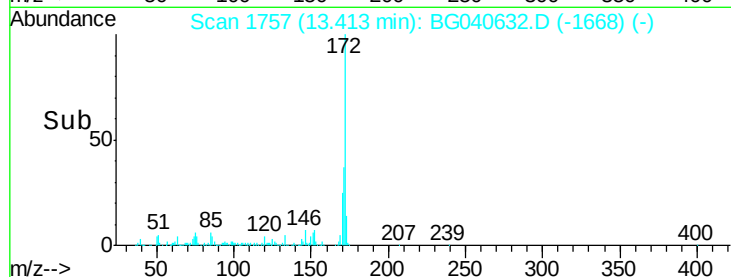
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#51

2,6-Dinitrotoluene

Concen: 7.981 ng

RT: 14.79 min Scan# 1991

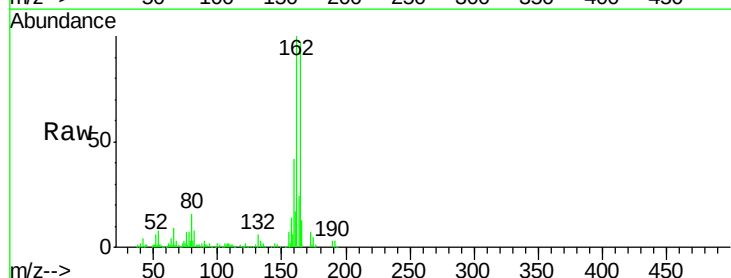
Delta R.T. 0.42 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Tgt Ion:165 Resp: 23343

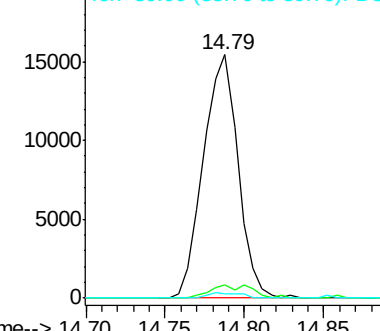
Ion	Ratio	Lower	Upper
165	100		
63	5.4	61.0	91.4#
89	1.7	58.6	87.8#



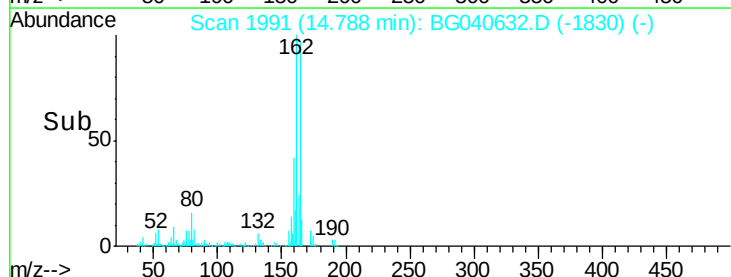
Abundance Ion 165.00 (164.70 to 165.70): E

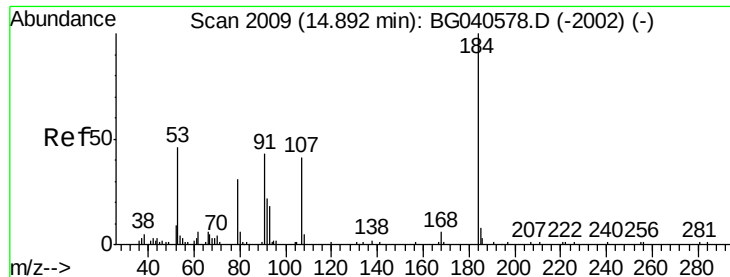
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->

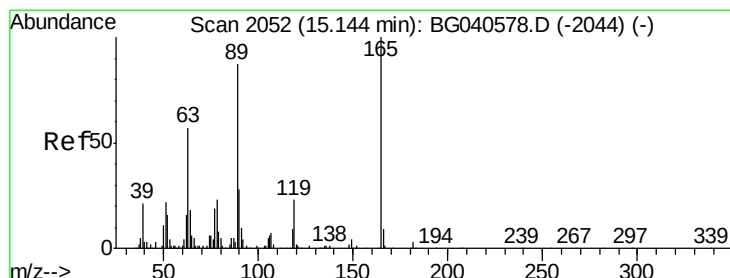
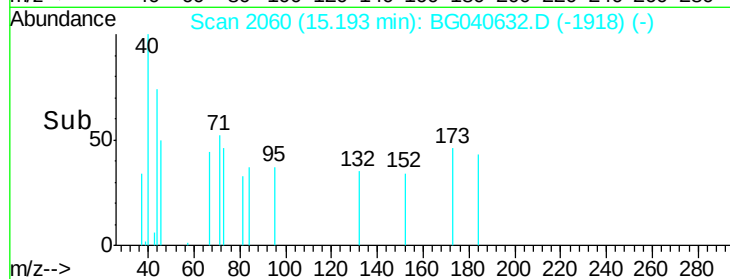
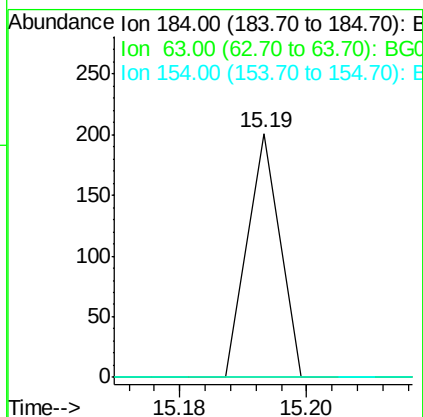
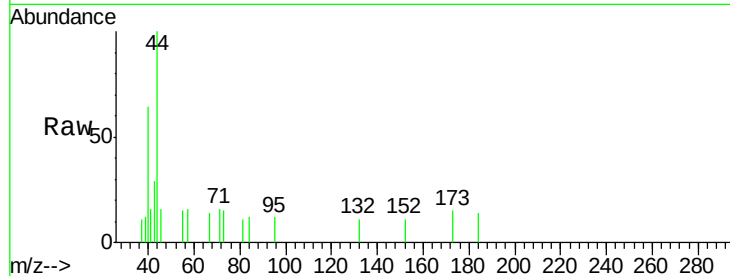




#54
2,4-Dinitrophenol
Concen: 7.054 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.30 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

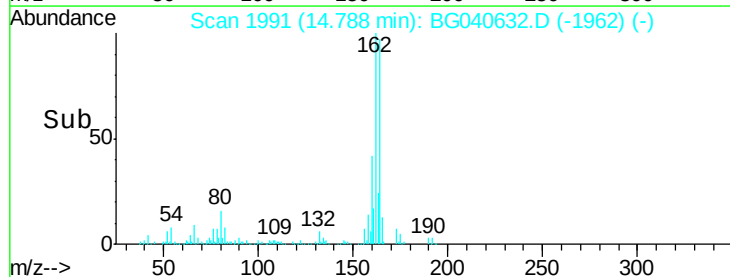
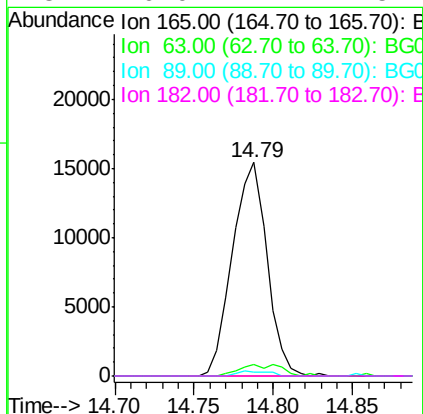
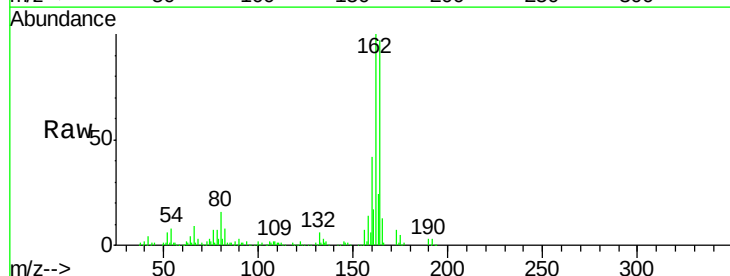
Instrument :
BNA_G
ClientSampled :

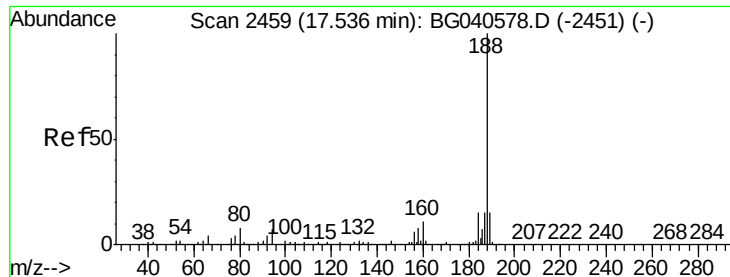
Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.874 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:165 Resp: 23343
Ion Ratio Lower Upper
165 100
63 5.4 45.8 68.8#
89 1.7 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Instrument :

BNA_G

ClientSampleId :

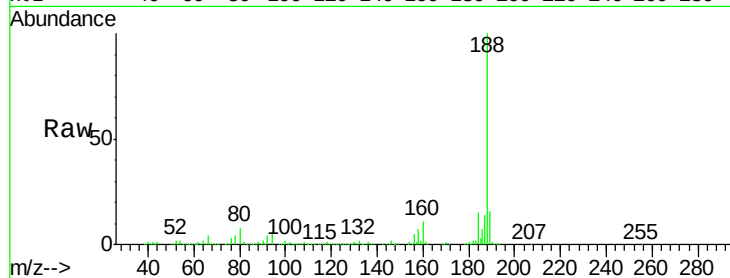
Tot Ion:188 Resp: 454318

Ion Ratio Lower Upper

188 100

94 6.5 5.6 8.4

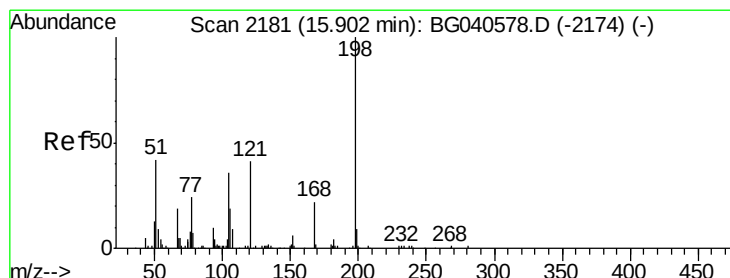
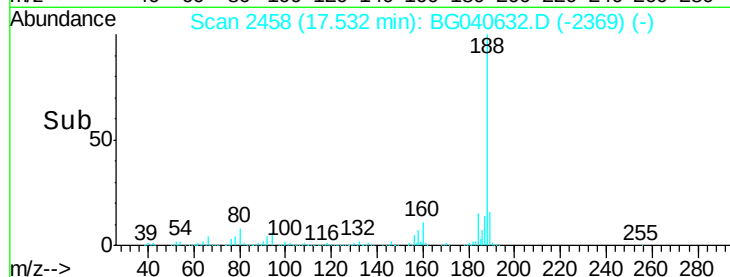
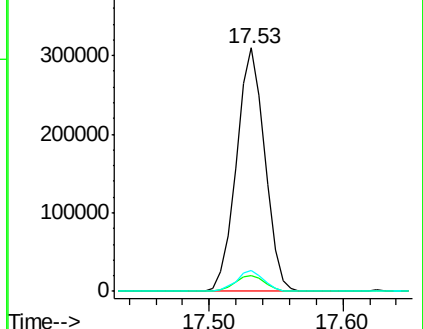
80 8.4 6.4 9.6



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: 7.513 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.37 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

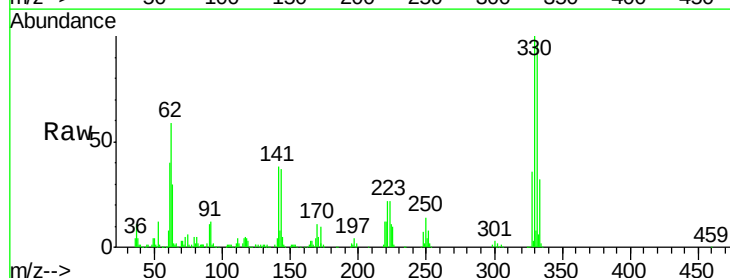
Tgt Ion:198 Resp: 1083

Ion Ratio Lower Upper

198 100

51 23.3 35.9 75.9#

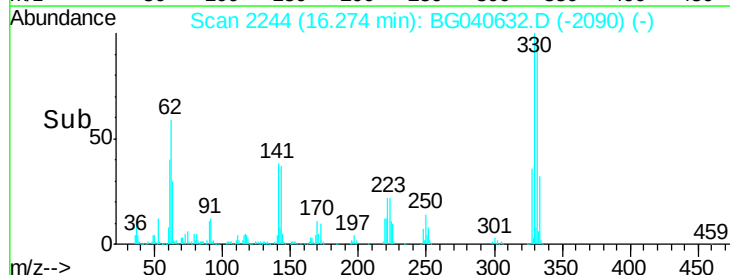
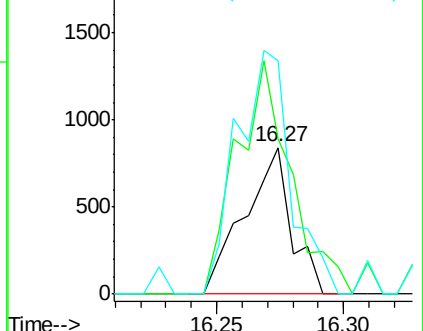
105 35.1 21.2 61.2

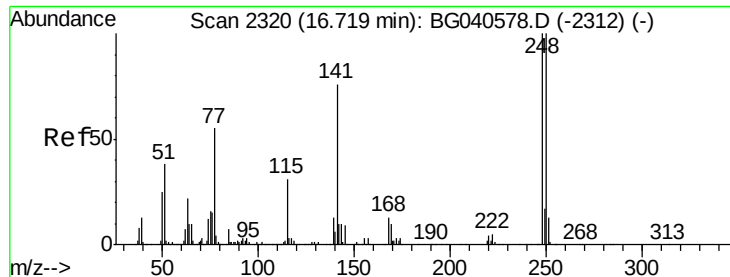


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

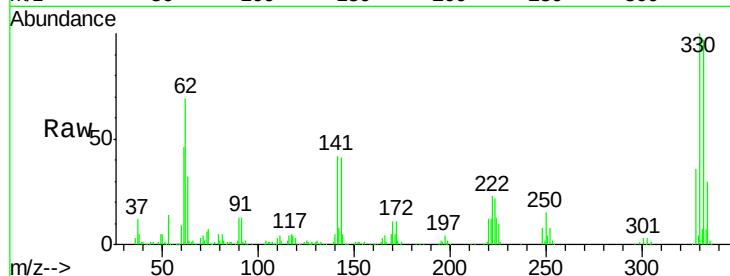




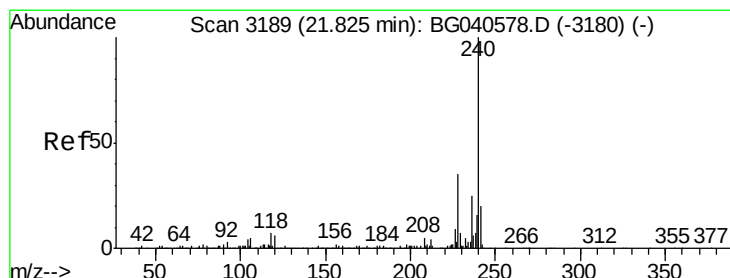
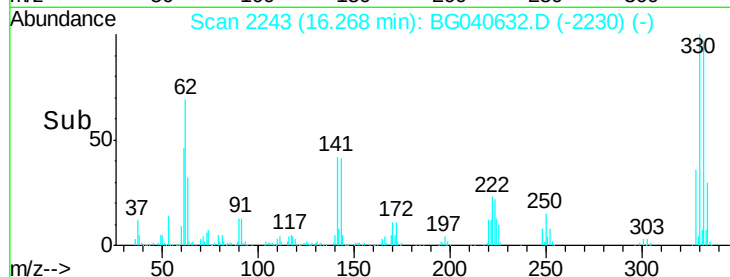
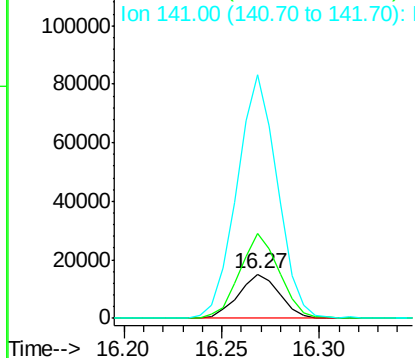
#67
4-Bromophenyl-phenylether
Concen: 3.837 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21718
Ion Ratio Lower Upper
248 100
250 249.5 79.8 119.6#
141 552.7 60.8 91.2#

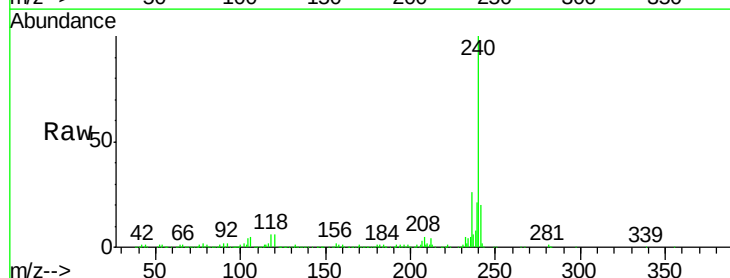


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

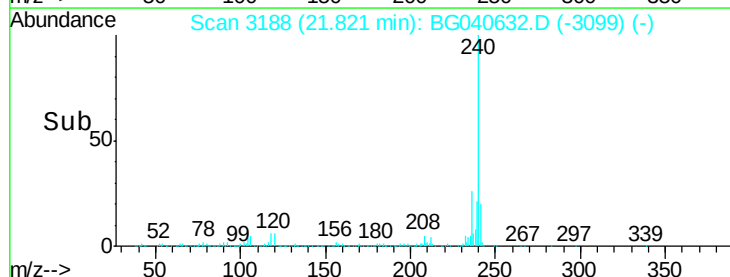
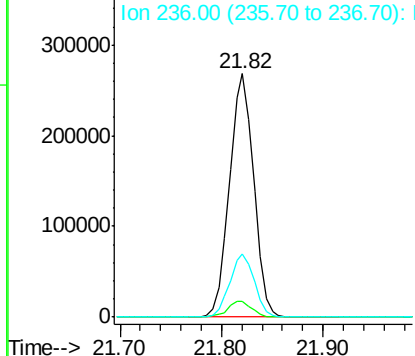


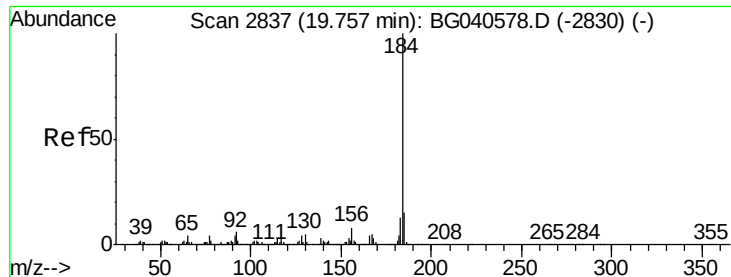
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Tgt Ion:240 Resp: 443970
Ion Ratio Lower Upper
240 100
120 6.3 5.0 7.6
236 26.0 20.3 30.5



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

Benzidine

Concen: 2.734 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

Instrument :

BNA_G

ClientSampleId :

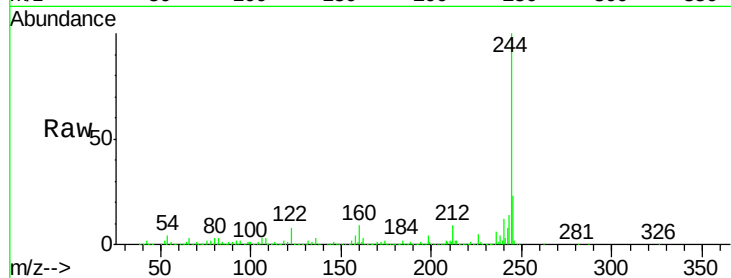
Tot Ion:184 Resp: 33236

Ion Ratio Lower Upper

184 100

185 17.6 11.8 17.8

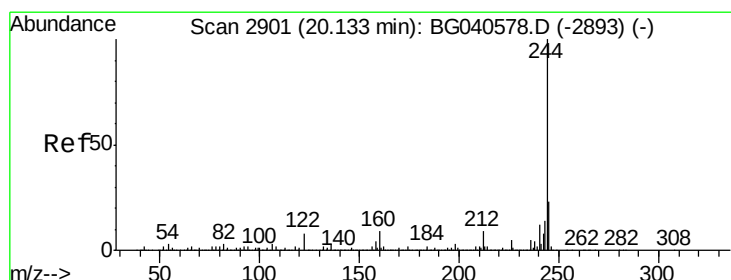
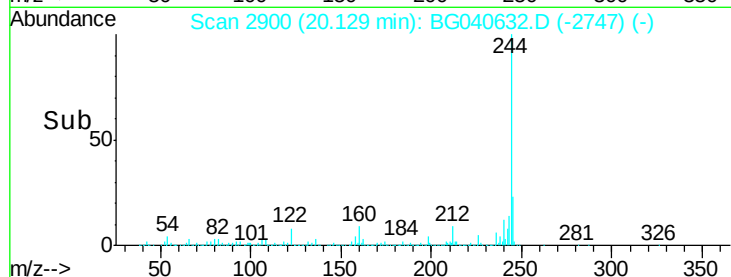
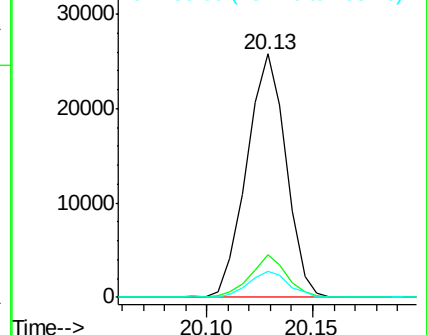
183 10.5 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 80.913 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040632.D

Acq: 26 Apr 2019 16:50

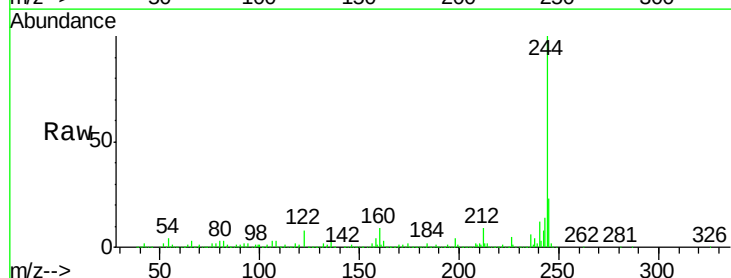
Tgt Ion:244 Resp: 1621491

Ion Ratio Lower Upper

244 100

212 9.0 7.2 10.8

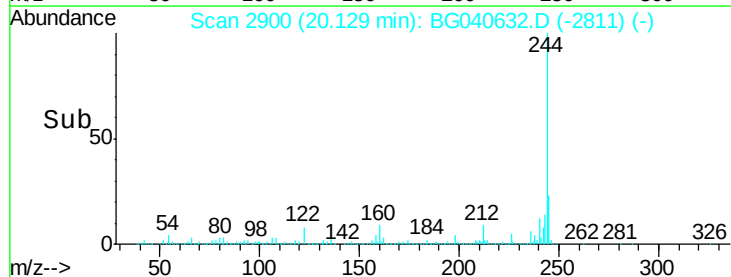
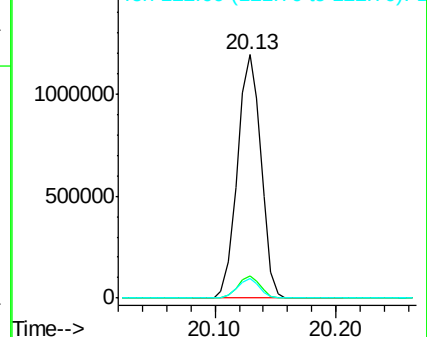
122 8.0 6.6 10.0

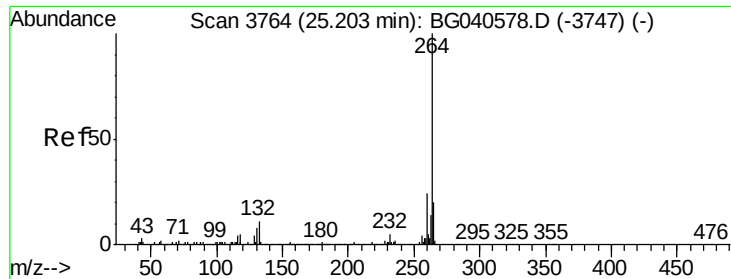


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3763
Delta R.T. -0.00 min
Lab File: BG040632.D
Acq: 26 Apr 2019 16:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	16.6	25.0

