

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042419\
 Data File : BG040589.D
 Acq On : 24 Apr 2019 12:13
 Operator : JU/SJ
 Sample : K2515-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 13:32:50 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

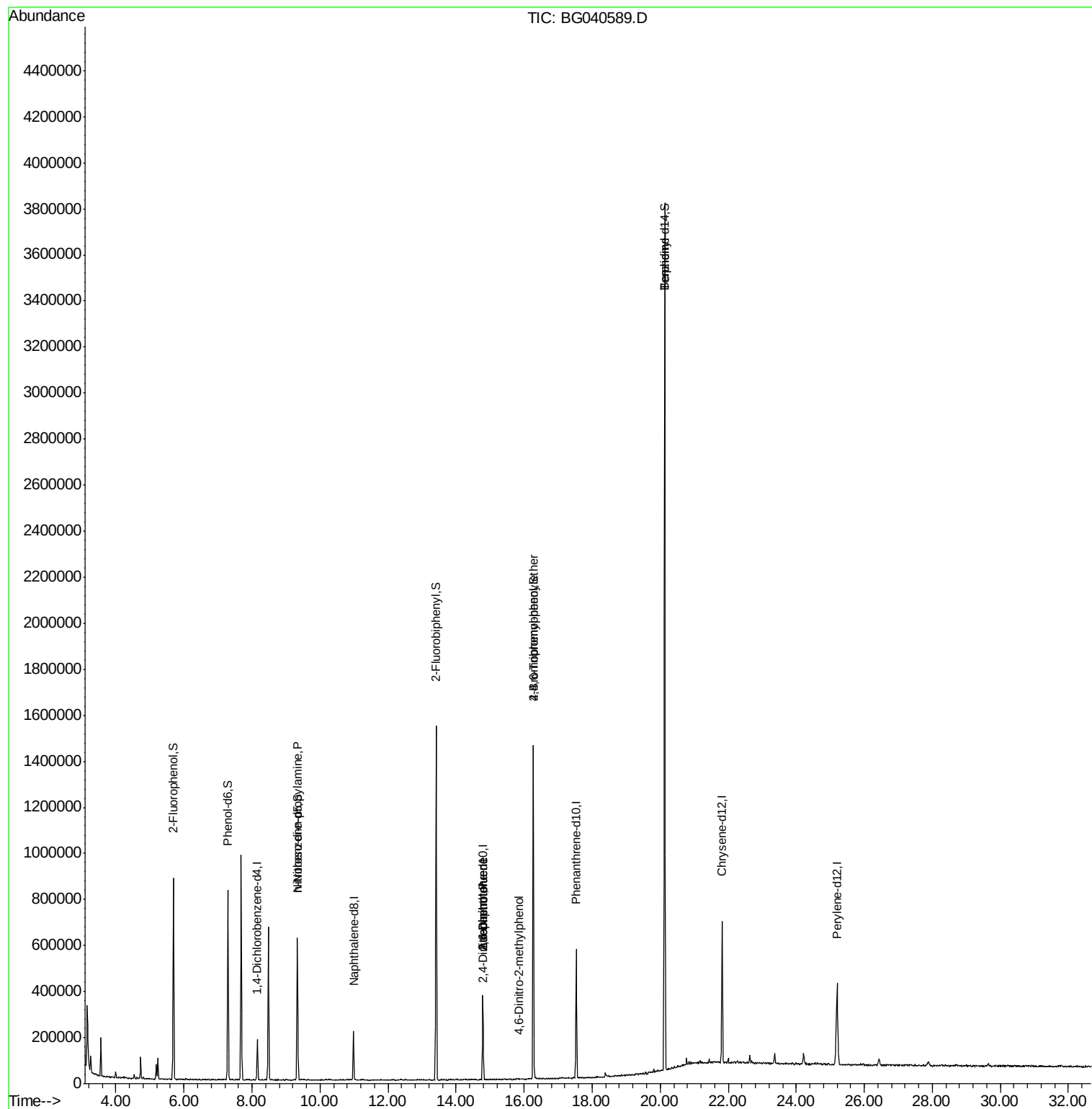
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	42408	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	159479	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	114613	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	314002	20.00	ng	0.00
76) Chrysene-d12	21.82	240	358354	20.00	ng	0.00
87) Perylene-d12	25.20	264	373927	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	307443	127.79	ng	0.00
7) Phenol-d6	7.29	99	393304	106.18	ng	0.00
23) Nitrobenzene-d5	9.33	82	353464	102.41	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	242393	153.86	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	730096	92.00	ng	0.00
79) Terphenyl-d14	20.13	244	1644946	101.69	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	1558	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.33	70	52484	15.740 ng	#	21
51) 2,6-Dinitrotoluene	14.79	165	14660	7.833 ng	#	79
54) 2,4-Dinitrophenol	14.80	184	55	7.062 ng	#	17
57) 2,4-Dinitrotoluene	14.79	165	14660	5.764 ng	#	34
65) 4,6-Dinitro-2-methylphenol	15.86	198	68	7.139 ng	#	19
67) 4-Bromophenyl-phenylether	16.27	248	18571	4.747 ng	#	28
77) Benzidine	20.13	184	33426	3.407 ng	#	1
						98

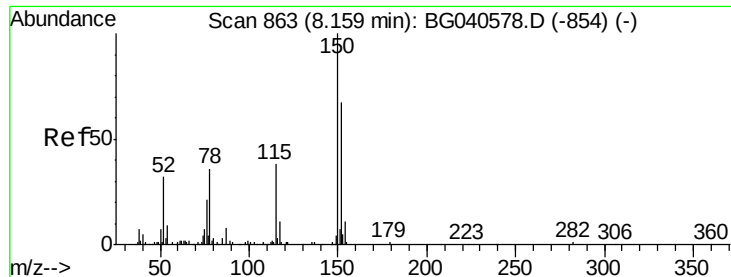
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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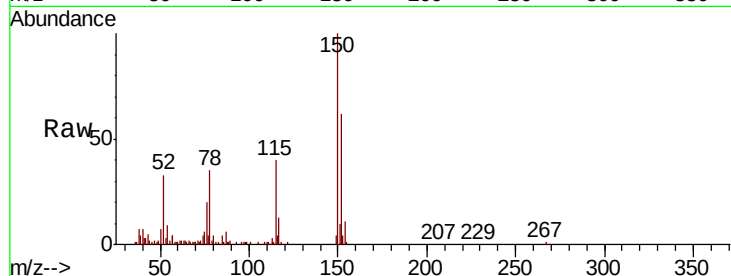


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	120.2	180.2
115	65.3	46.2	69.2

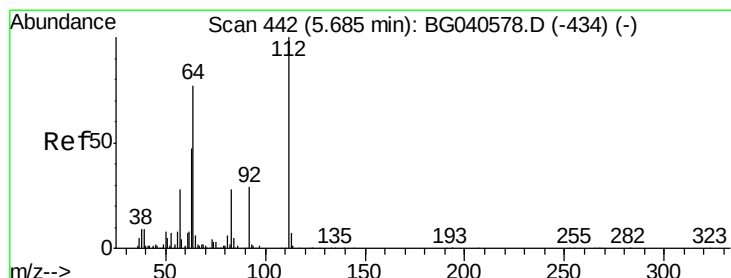
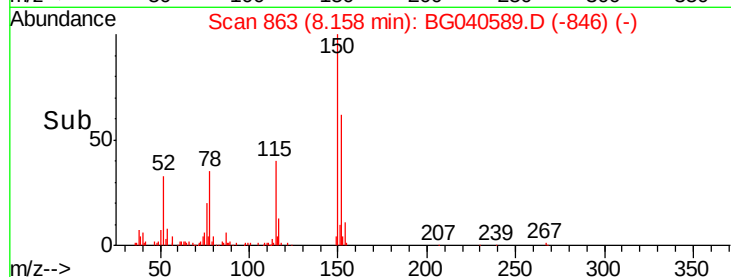
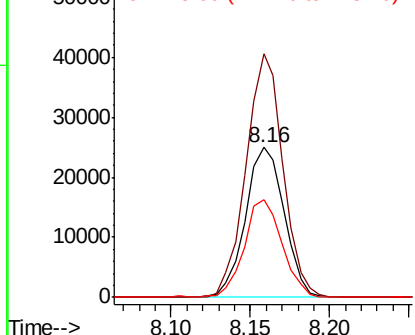


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

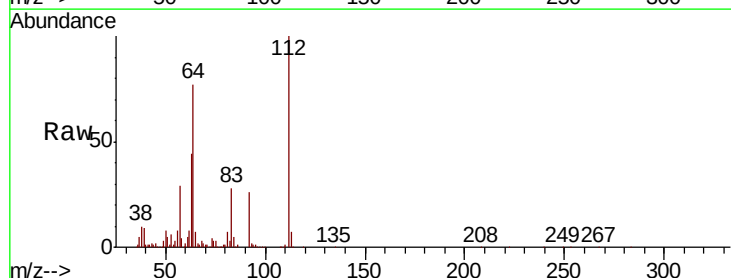
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 127.794 ng
RT: 5.69 min Scan# 443
Delta R.T. 0.01 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.6	61.4	92.0
63	43.8	37.8	56.6

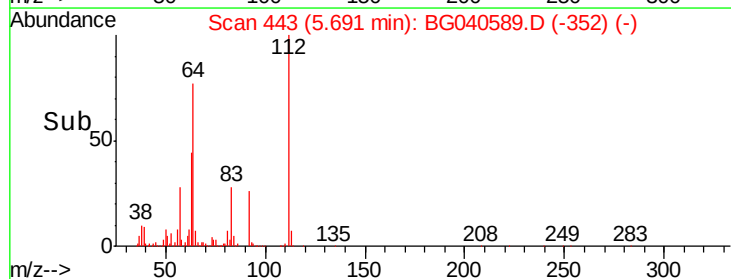
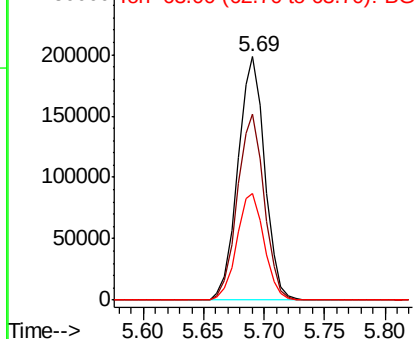


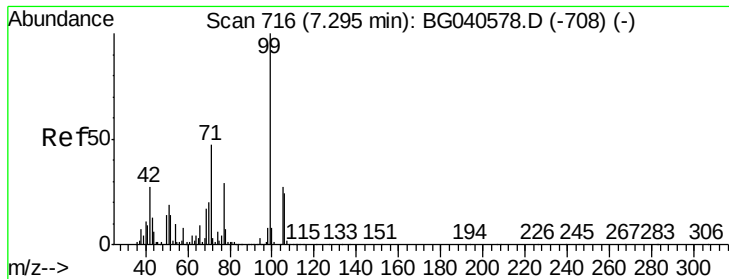
Abundance

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





#7

Phenol-d6

Concen: 106.178 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Instrument :

BNA_G

ClientSampleId :

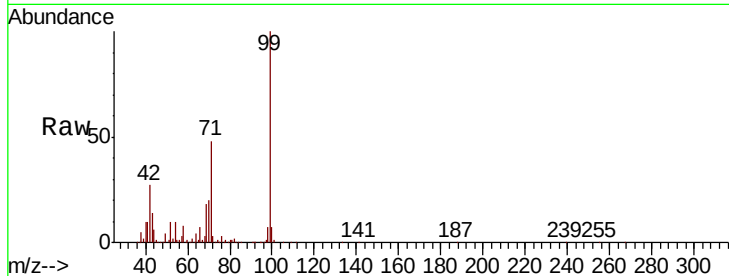
Tot Ion: 99 Resp: 393304

Ion Ratio Lower Upper

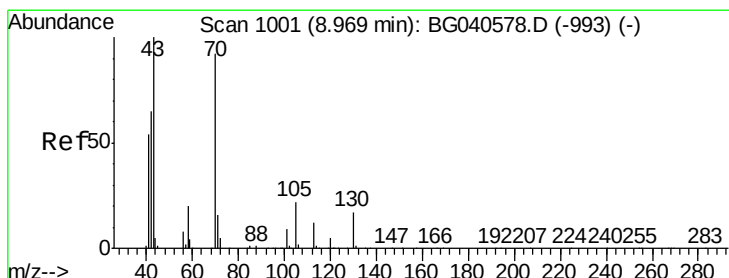
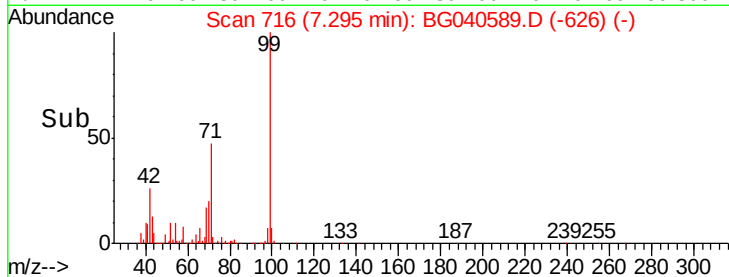
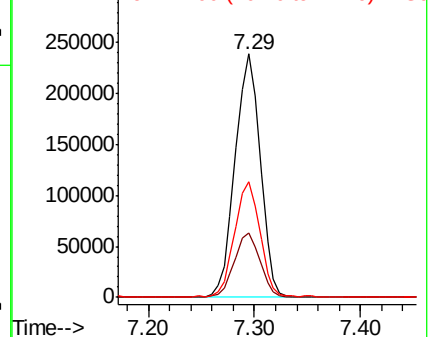
99 100

42 26.6 21.8 32.8

71 47.7 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: 15.740 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Tgt Ion: 70 Resp: 52484

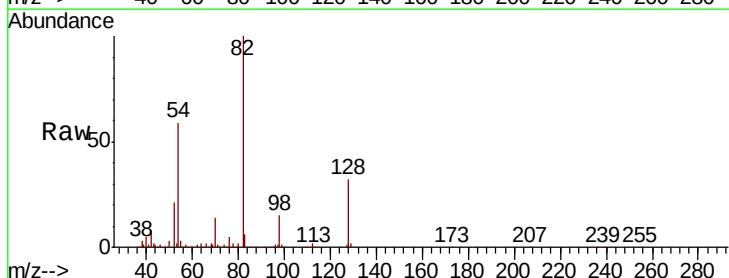
Ion Ratio Lower Upper

70 100

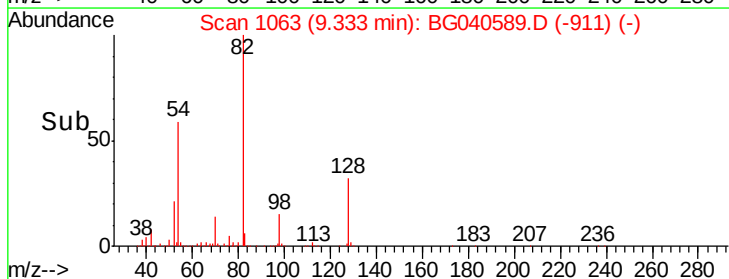
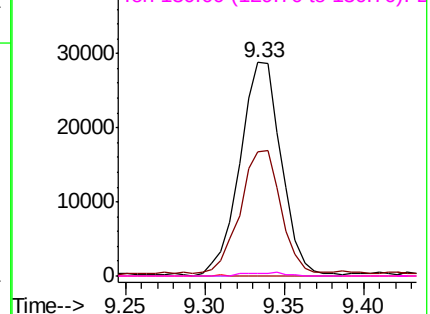
42 58.2 57.1 85.7

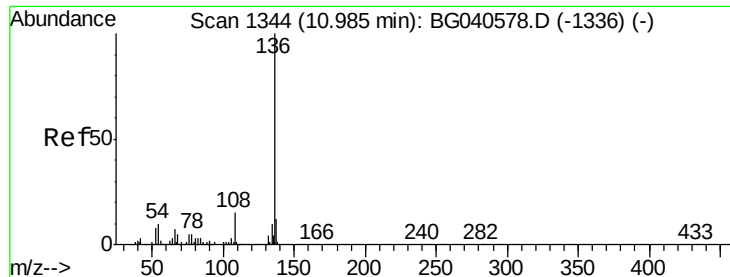
101 0.0 7.8 11.8#

130 1.4 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# 1344

Delta R.T. -0.00 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 159479

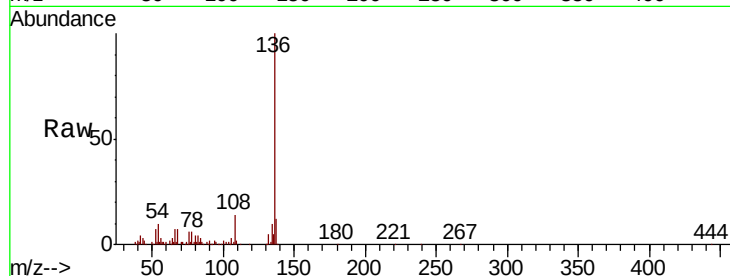
Ion Ratio Lower Upper

136 100

137 12.2 9.7 14.5

54 10.1 8.6 12.8

68 6.9 4.8 7.2

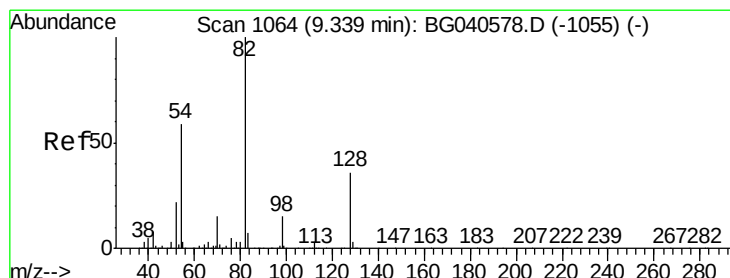
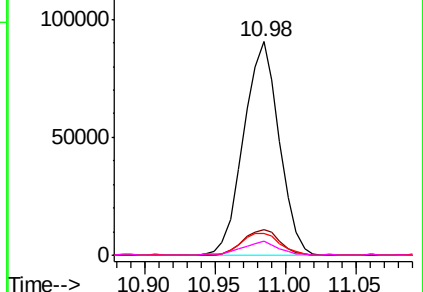
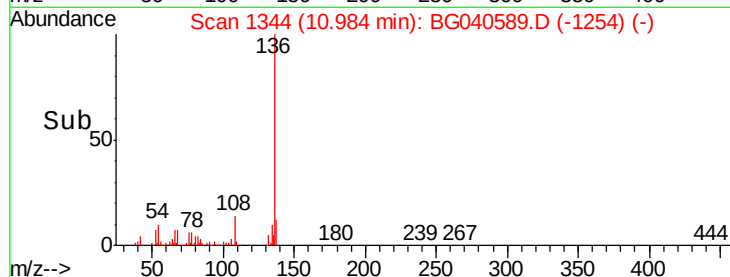


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.410 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

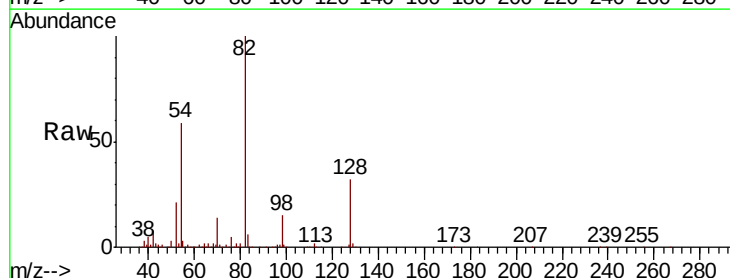
Tgt Ion: 82 Resp: 353464

Ion Ratio Lower Upper

82 100

128 31.9 28.9 43.3

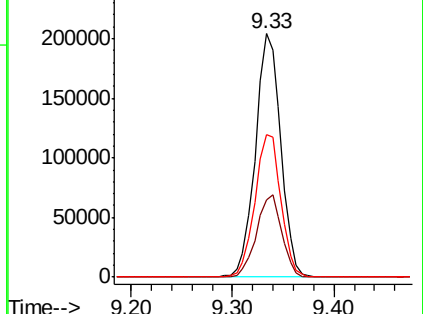
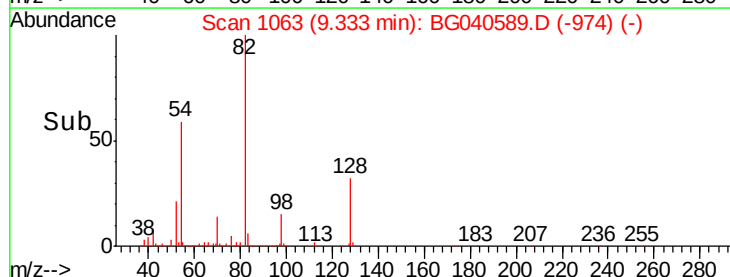
54 58.7 47.2 70.8

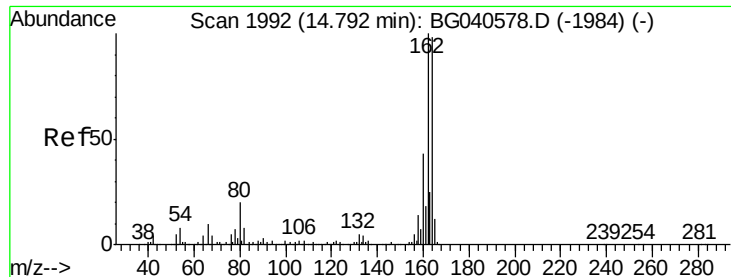


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

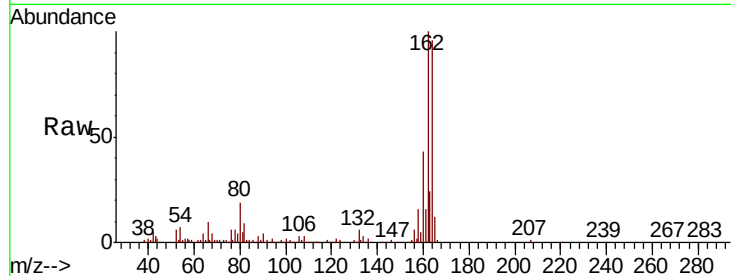




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.9	122.9
160	44.3	35.4	53.2

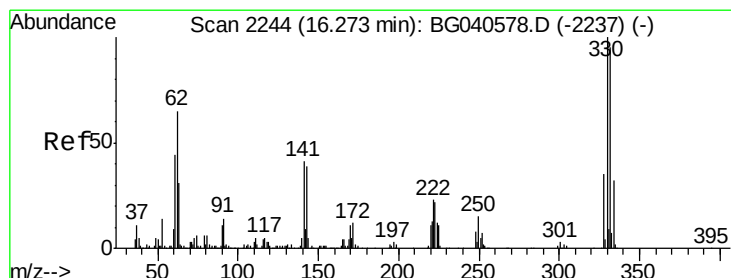
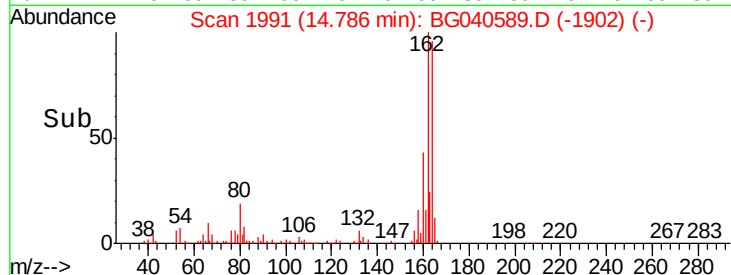
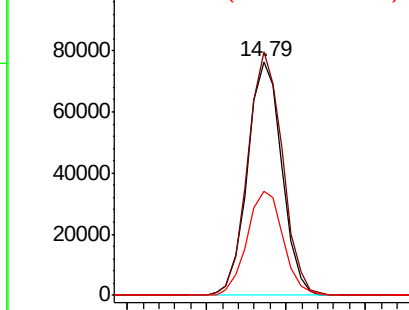


Abundance

Ion 164.00 (163.70 to 164.70): E

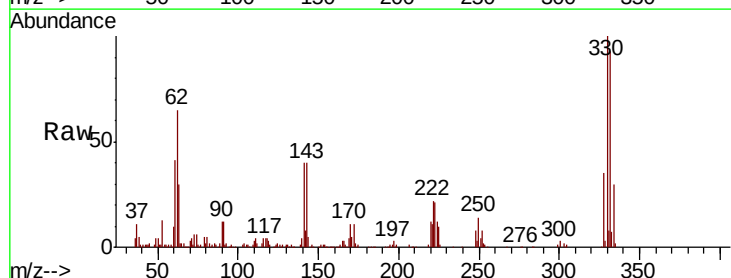
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 153.863 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	75.9	113.9
141	41.8	32.4	48.6

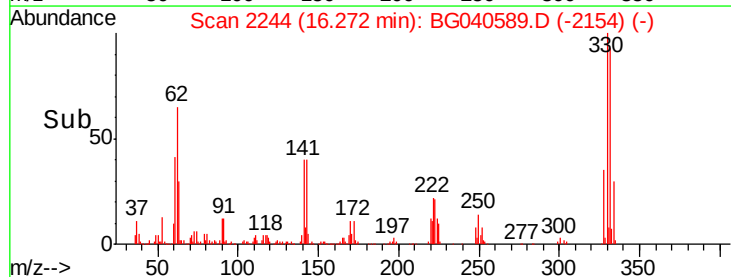
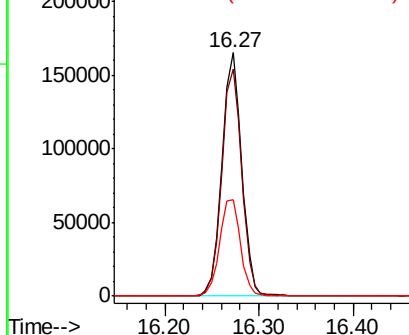


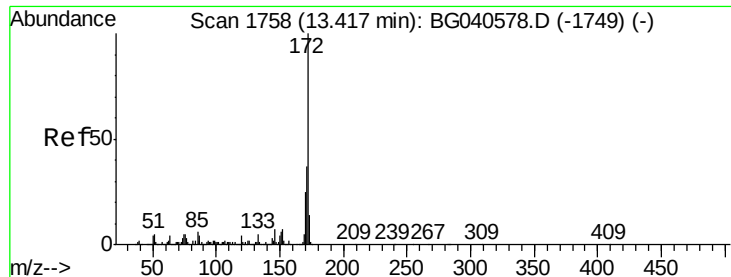
Abundance

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

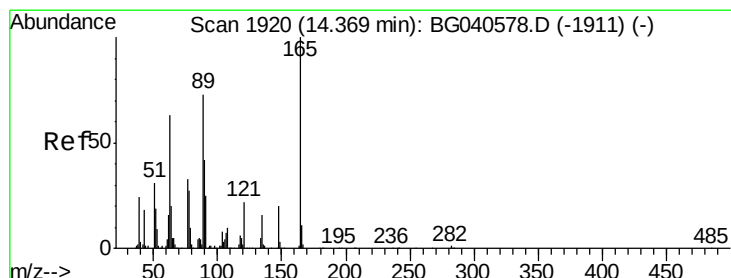
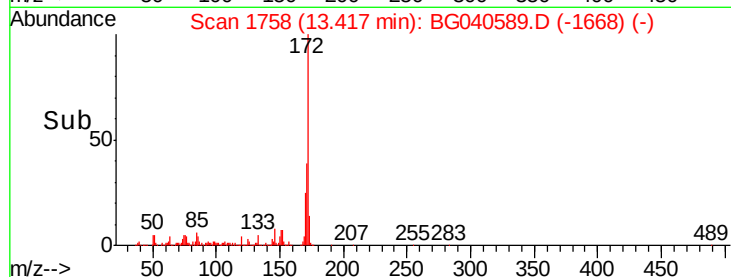
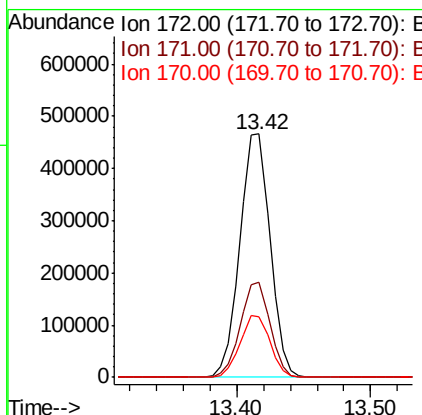
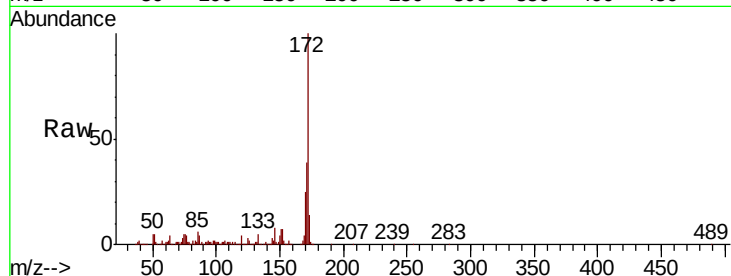




#45
 2-Fluorobiphenyl
 Concen: 91.997 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: BG040589.D
 Acq: 24 Apr 2019 12:13

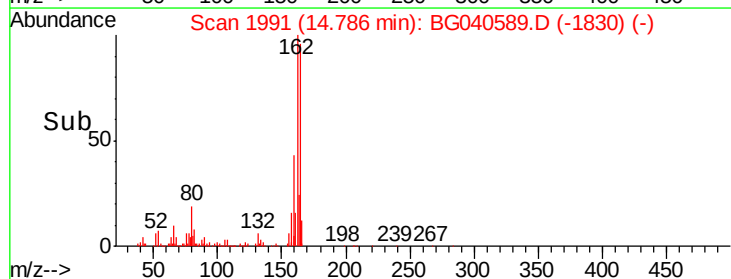
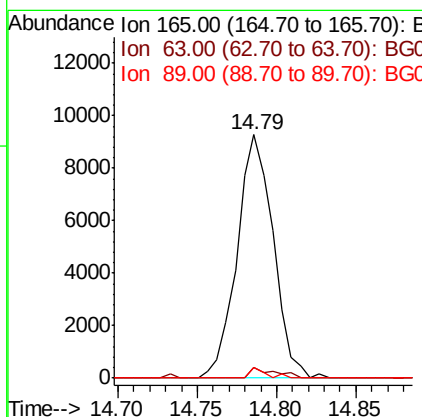
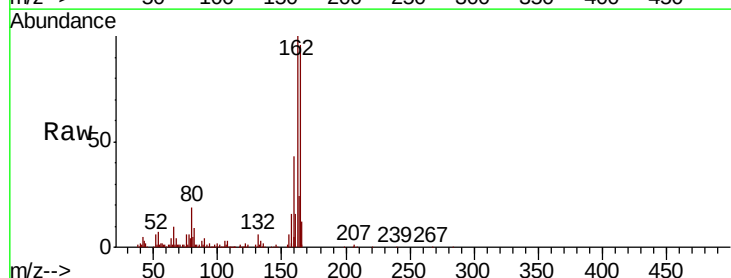
Instrument :
 BNA_G
 ClientSampleId :

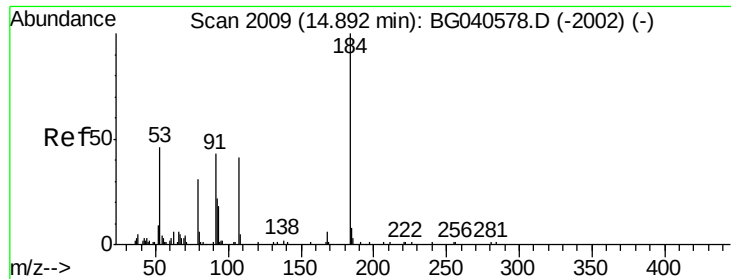
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	29.4	44.2
170	24.8	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.833 ng
 RT: 14.79 min Scan# 1991
 Delta R.T. 0.42 min
 Lab File: BG040589.D
 Acq: 24 Apr 2019 12:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.5	61.0	91.4#
89	4.5	58.6	87.8#





#54

2,4-Dinitrophenol

Concen: 7.062 ng

RT: 14.80 min Scan# 1994

Delta R.T. -0.09 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Instrument :

BNA_G

ClientSampleId :

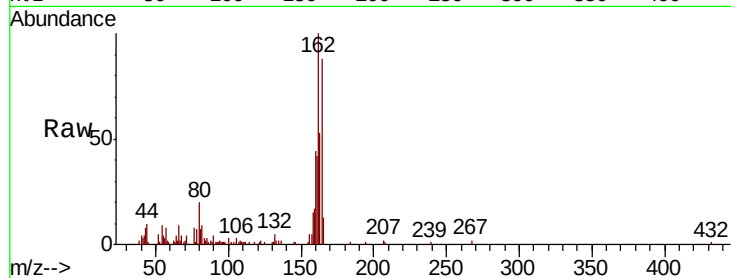
Tot Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 110.3 51.8 77.6#

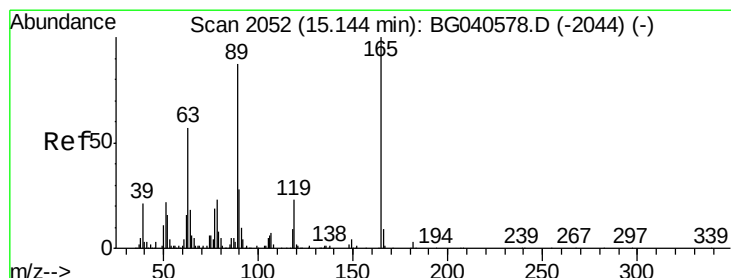
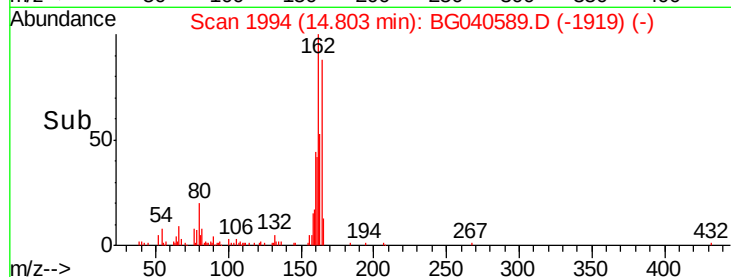
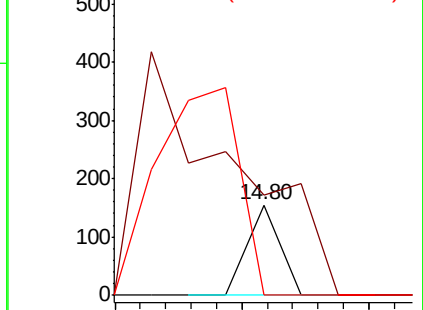
154 0.0 43.6 65.4#



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: 5.764 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Tgt Ion:165 Resp: 14660

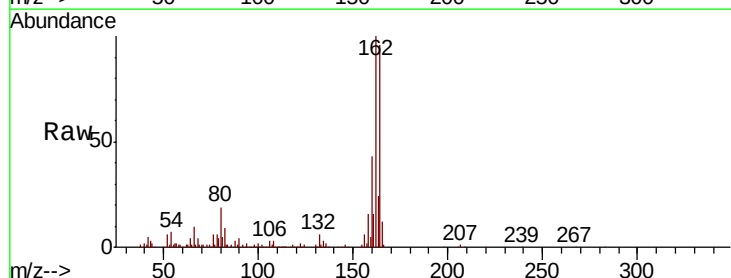
Ion Ratio Lower Upper

165 100

63 4.5 45.8 68.8#

89 4.5 69.4 104.2#

182 0.0 2.2 3.4#

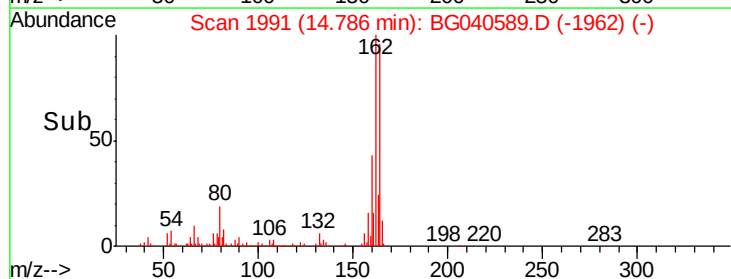
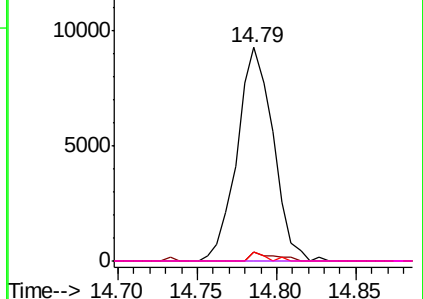


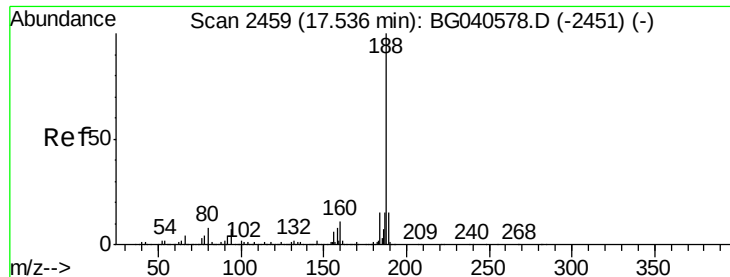
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Instrument :

BNA_G

ClientSampled :

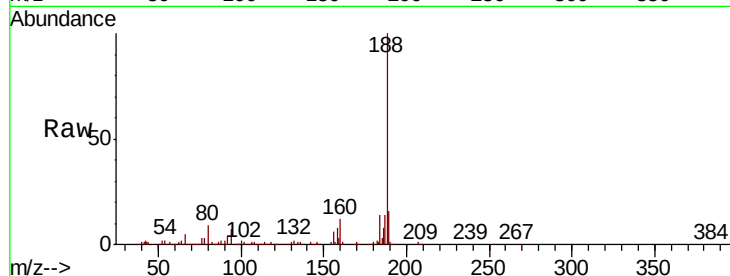
Tot Ion:188 Resp: 314002

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

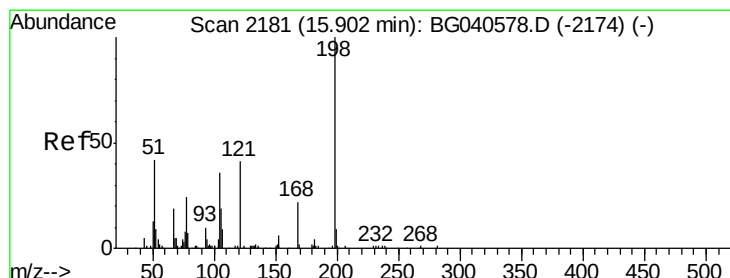
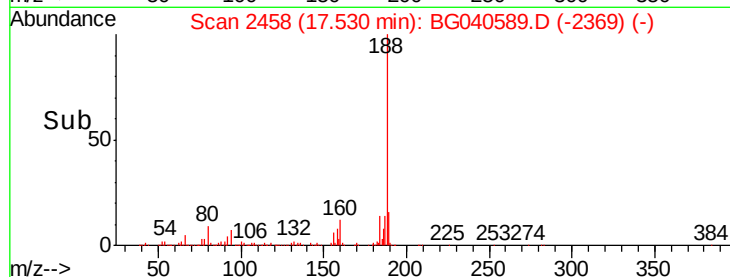
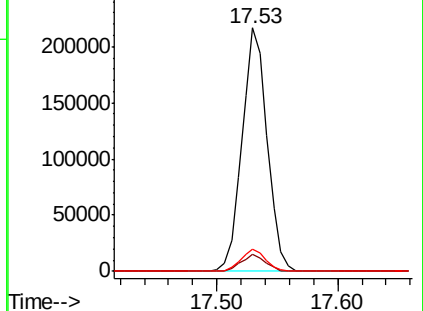
80 9.3 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.139 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

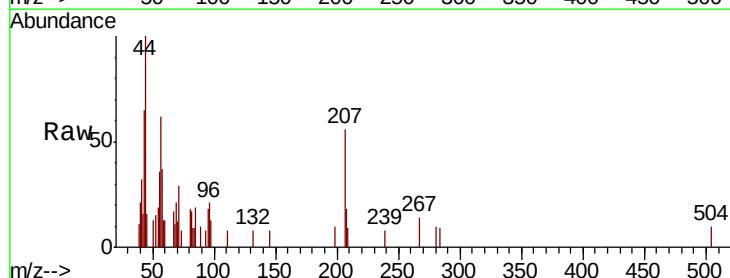
Tgt Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

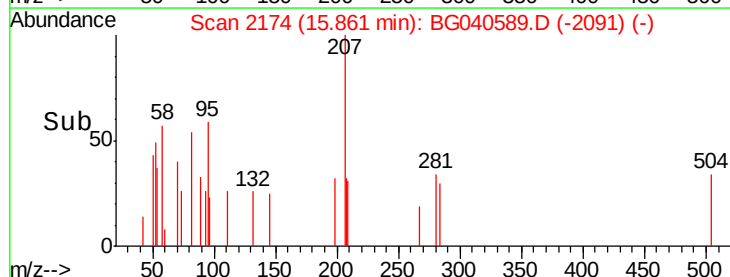
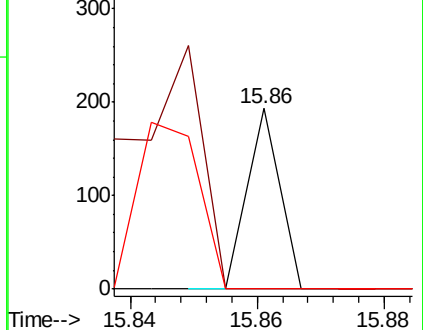
105 0.0 21.2 61.2#

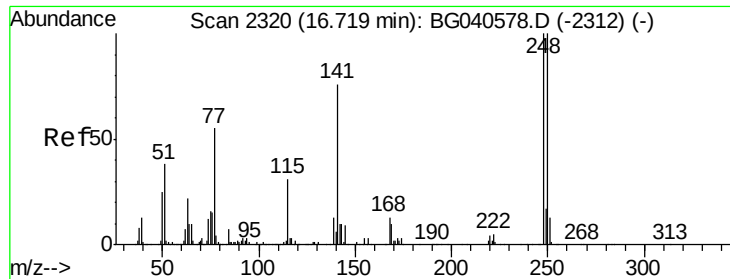


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

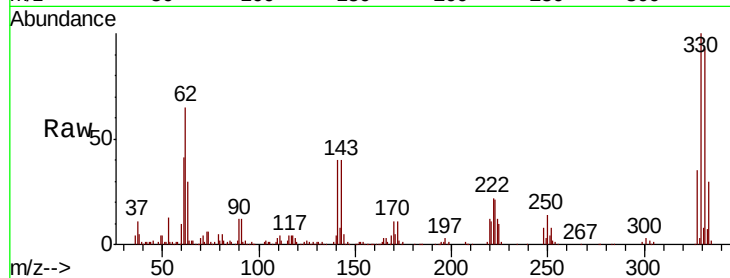




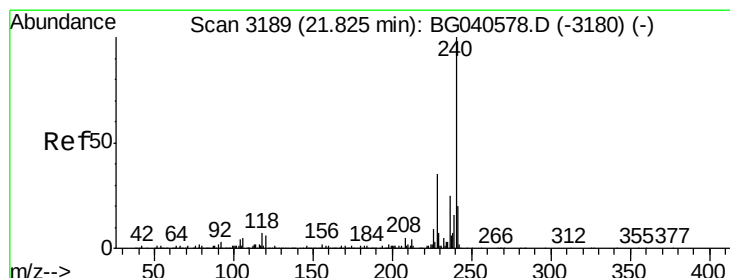
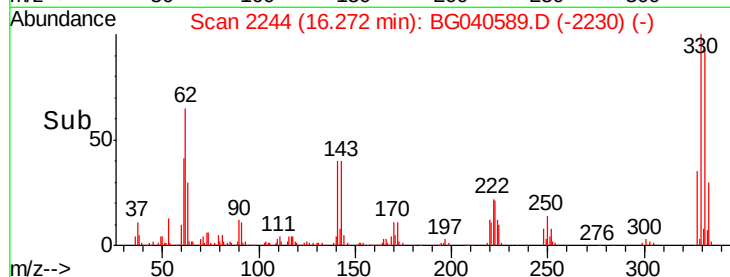
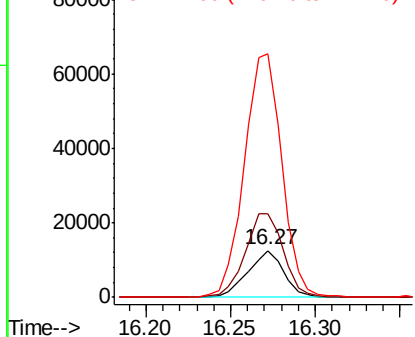
#67
4-Bromophenyl-phenylether
Concen: 4.747 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18571
Ion Ratio Lower Upper
248 100
250 180.0 79.8 119.6#
141 520.9 60.8 91.2#

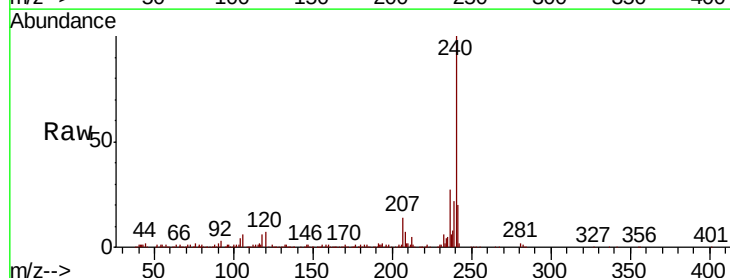


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

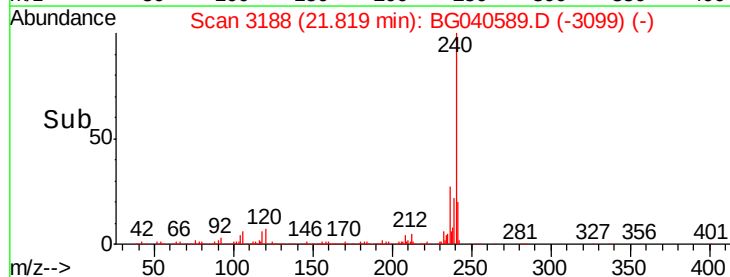
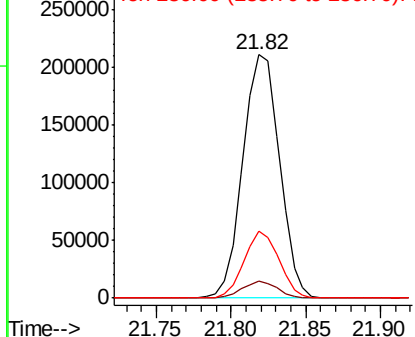


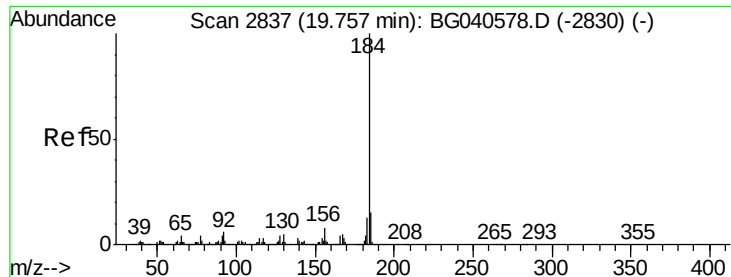
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Tgt Ion:240 Resp: 358354
Ion Ratio Lower Upper
240 100
120 7.0 5.0 7.6
236 27.5 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: 3.407 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.38 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

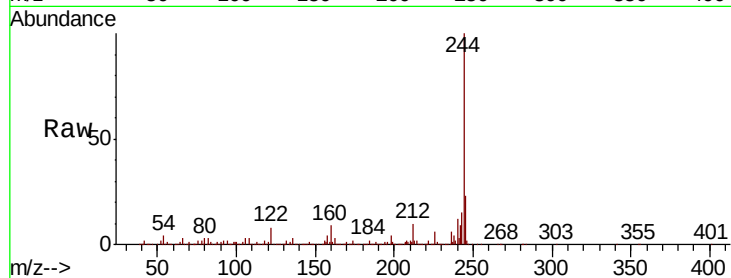
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 33426

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.8	17.8
183	11.1	10.2	15.2

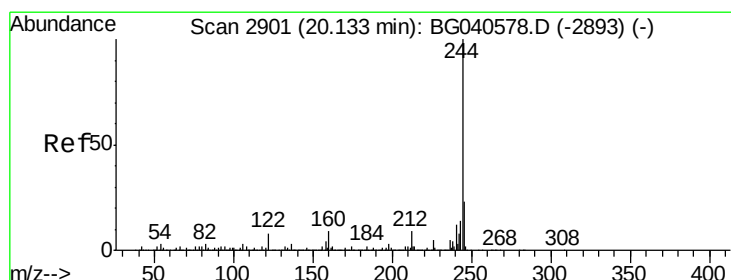
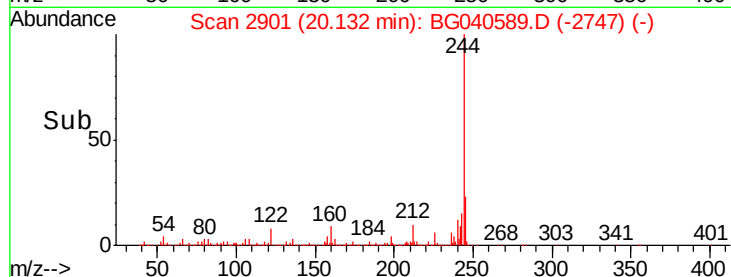
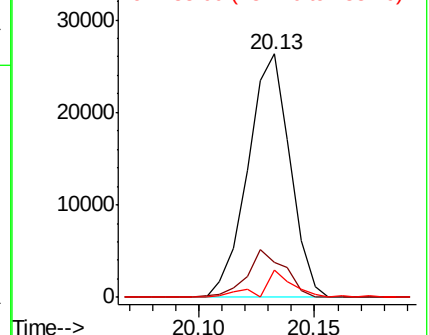


Abundance

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: 101.694 ng

RT: 20.13 min Scan# 2901

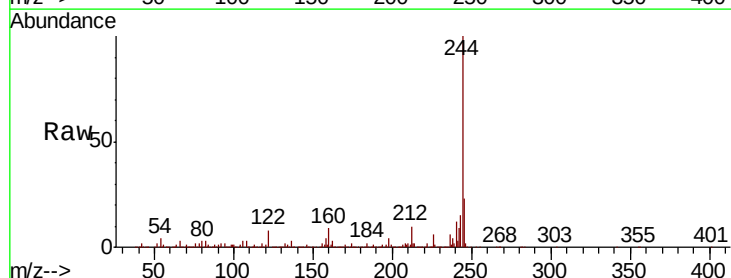
Delta R.T. -0.00 min

Lab File: BG040589.D

Acq: 24 Apr 2019 12:13

Tgt Ion:244 Resp: 1644946

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.2	10.8
122	8.3	6.6	10.0

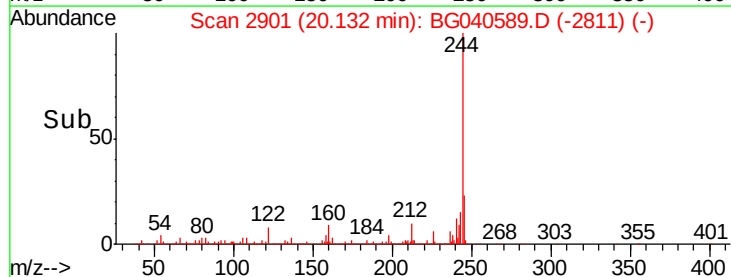
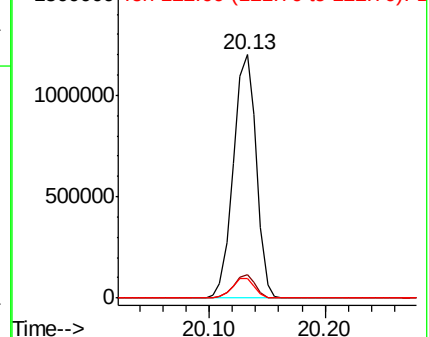


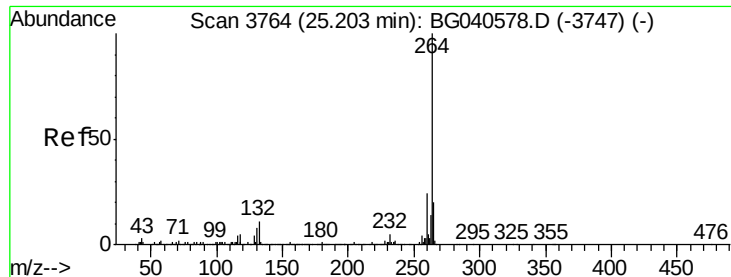
Abundance

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. -0.01 min
Lab File: BG040589.D
Acq: 24 Apr 2019 12:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	16.6	25.0

