

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042519\
 Data File : BG040619.D
 Acq On : 25 Apr 2019 20:31
 Operator : JU/SJ
 Sample : K2566-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 22:56:13 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

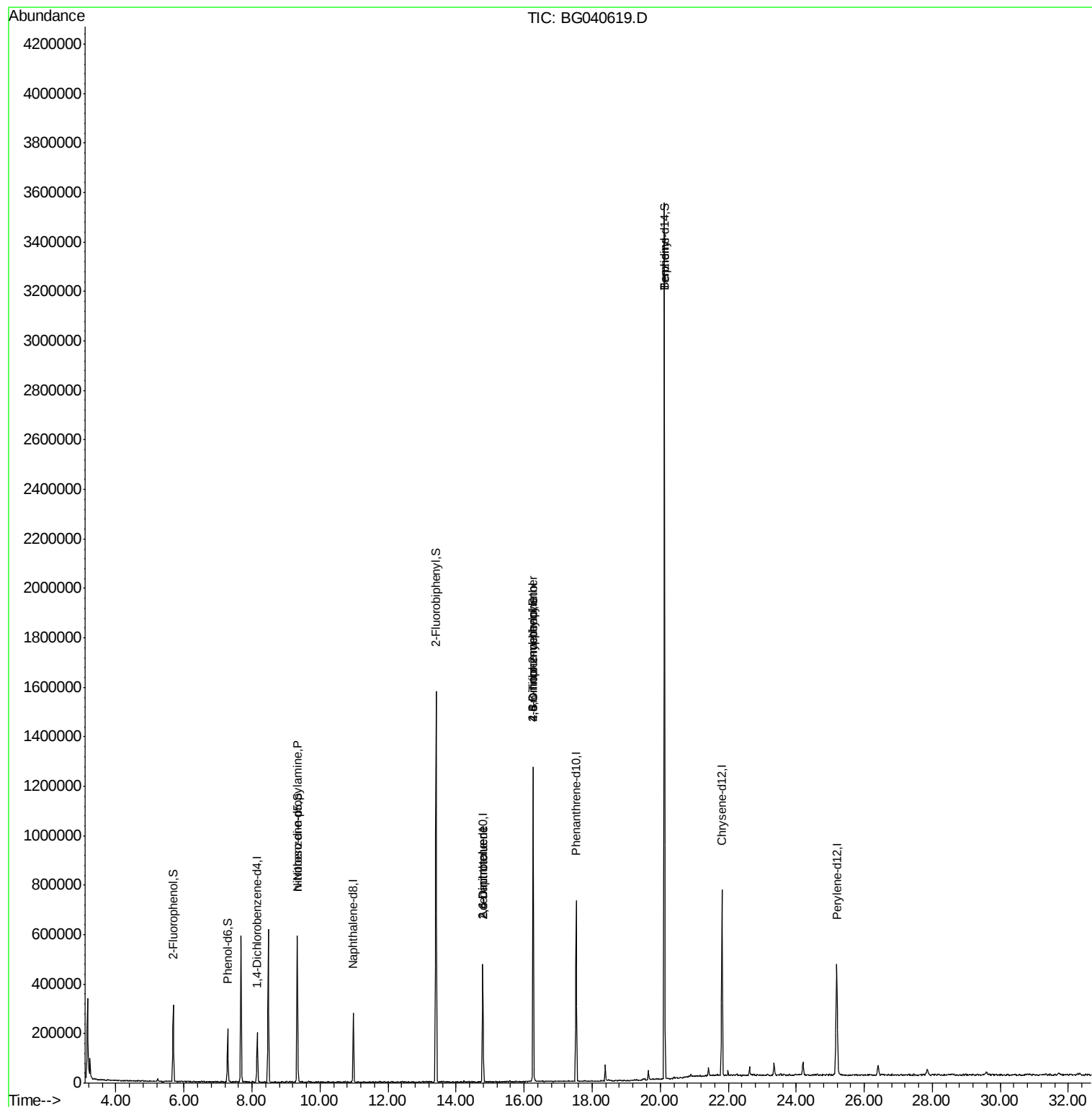
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	48822	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	206969	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	155146	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	428689	20.00	ng	0.00
76) Chrysene-d12	21.82	240	442784	20.00	ng	0.00
87) Perylene-d12	25.19	264	463133	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	109336	39.48	ng	0.00
7) Phenol-d6	7.28	99	102319	23.99	ng	-0.01
23) Nitrobenzene-d5	9.33	82	342860	76.54	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	202054	94.75	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	748553	69.68	ng	0.00
79) Terphenyl-d14	20.13	244	1491334	74.62	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	197	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	50860	13.249 ng	#	81
51) 2,6-Dinitrotoluene	14.79	165	20540	8.108 ng	#	16
57) 2,4-Dinitrotoluene	14.79	165	20540	5.967 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.26	198	809	7.428 ng	#	1
67) 4-Bromophenyl-phenylether	16.27	248	14963	2.802 ng	#	1
77) Benizidine	20.13	184	30450	2.512 ng	#	88

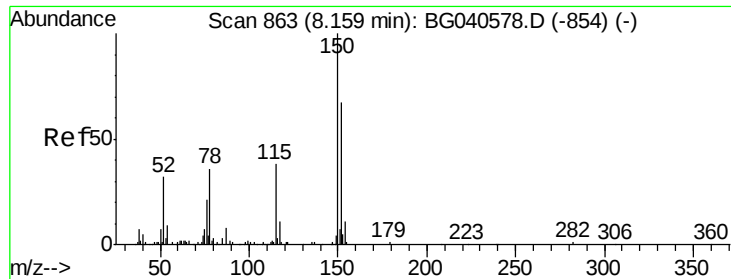
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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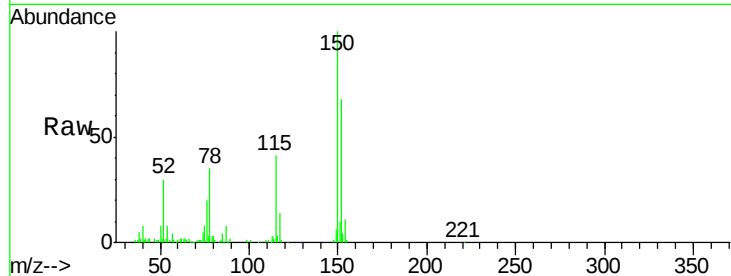


#1

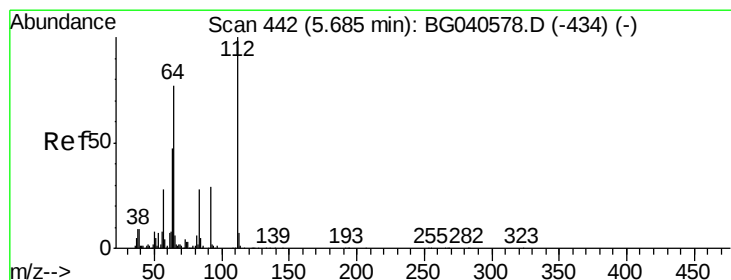
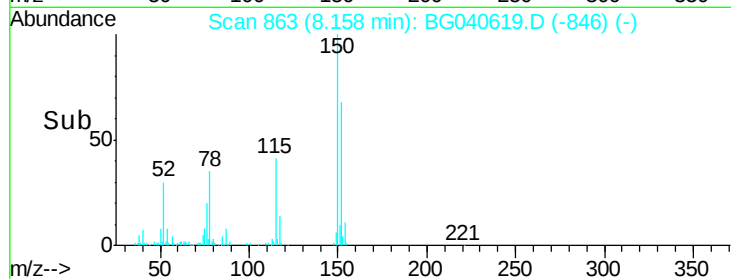
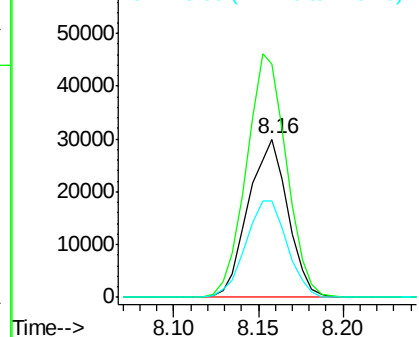
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.5	120.2	180.2
115	61.1	46.2	69.2



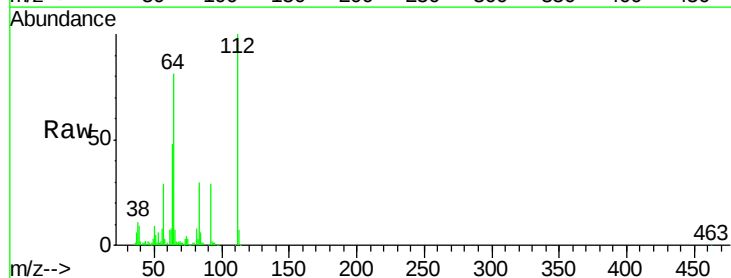
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



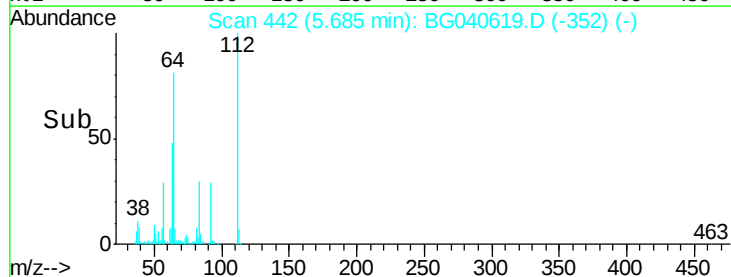
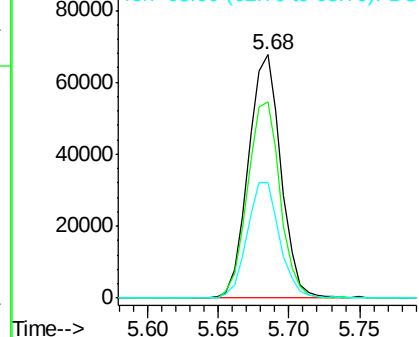
#5

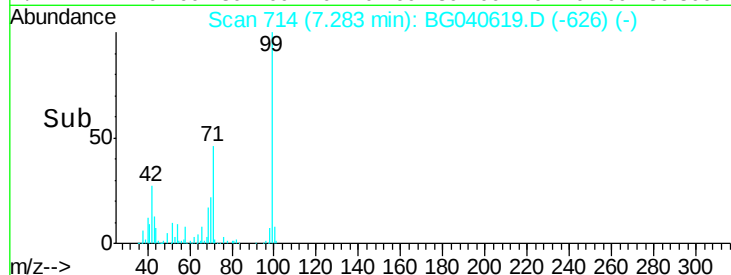
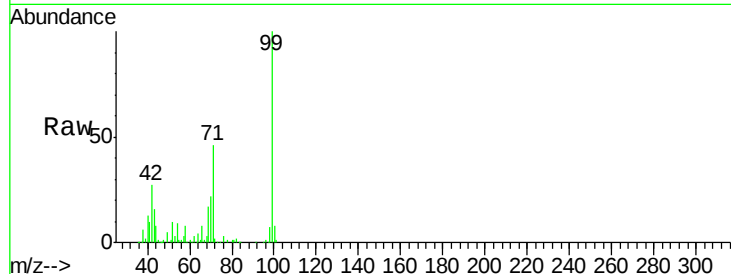
2-Fluorophenol
Concen: 39.477 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.8	61.4	92.0
63	47.6	37.8	56.6



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: 23.994 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Instrument :

BNA_G

ClientSampleId :

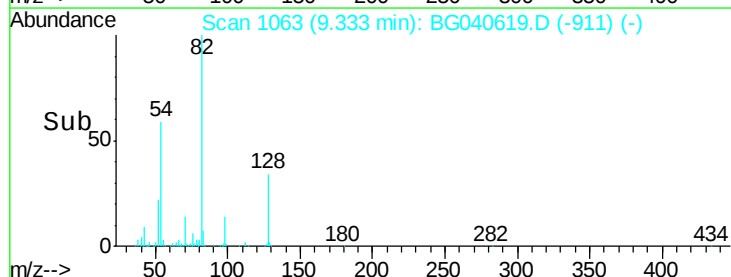
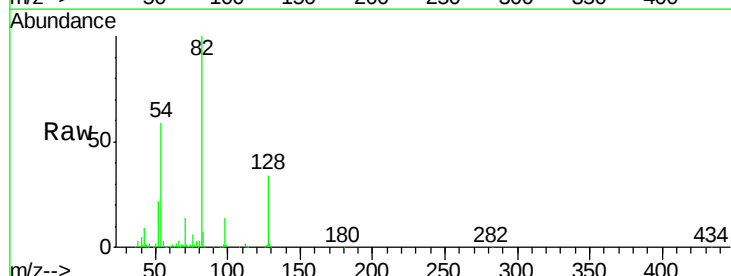
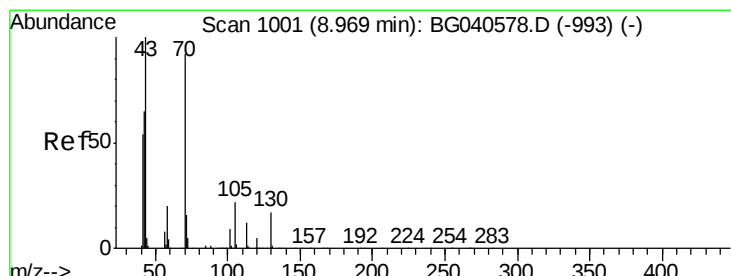
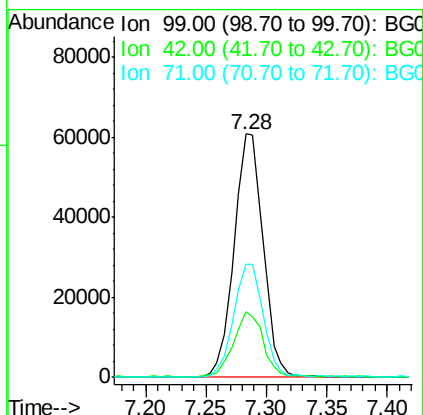
Tot Ion: 99 Resp: 102319

Ion Ratio Lower Upper

99 100

42 26.9 21.8 32.8

71 46.4 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.249 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Tgt Ion: 70 Resp: 50860

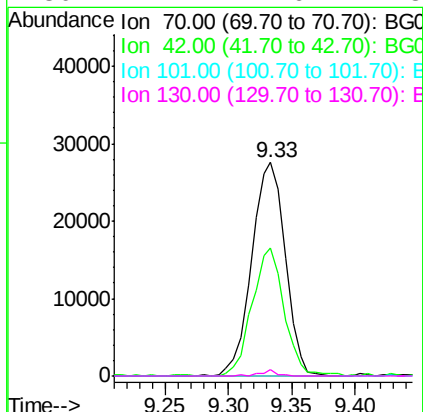
Ion Ratio Lower Upper

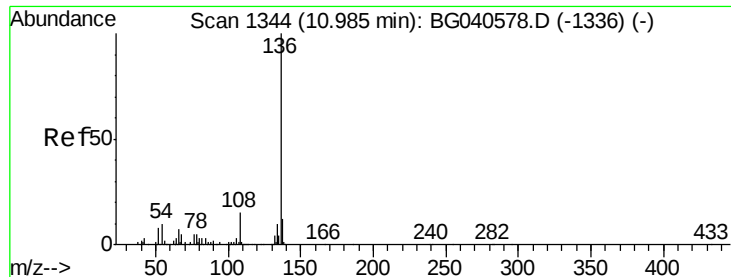
70 100

42 60.0 57.1 85.7

101 0.0 7.8 11.8#

130 2.7 14.6 21.8#

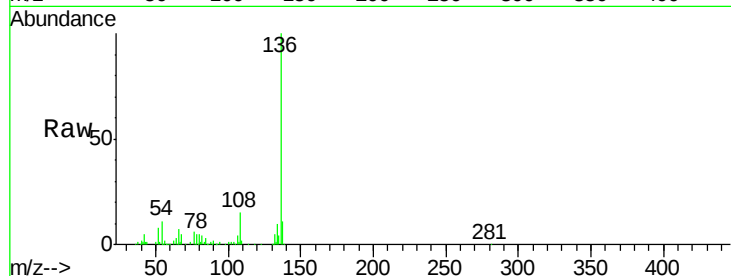




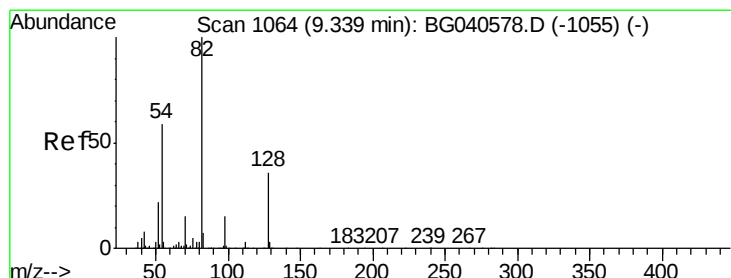
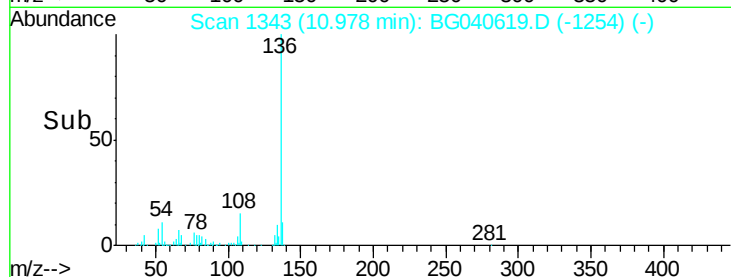
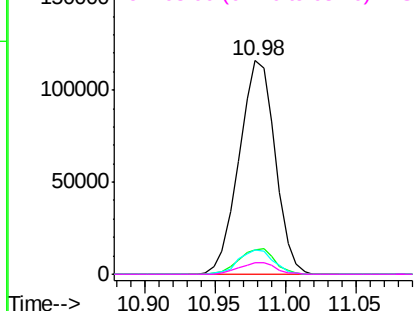
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	206969	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.7	14.5	
54 11.7	8.6	12.8	
68 5.5	4.8	7.2	

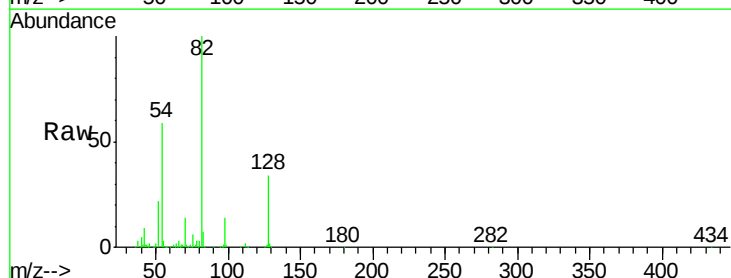


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

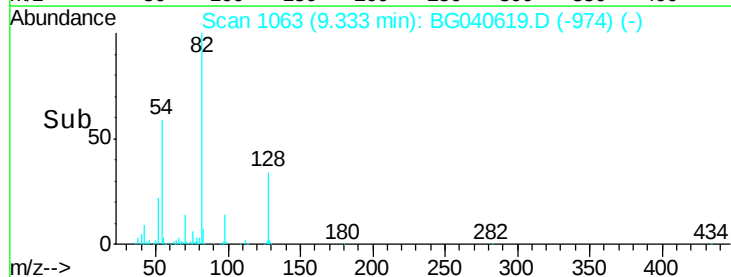
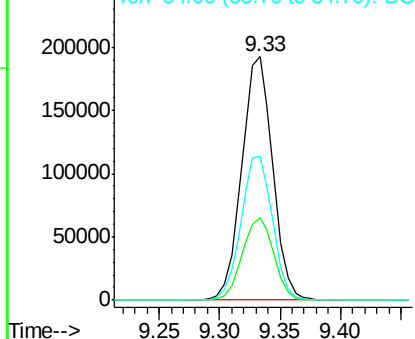


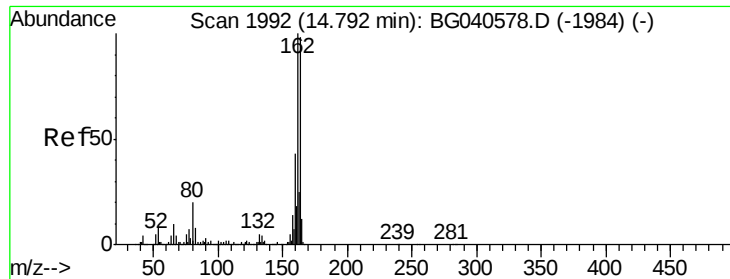
#23
Nitrobenzene-d5
Concen: 76.544 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

Tgt	Ion: 82	Resp:	342860
Ion	Ratio	Lower	Upper
82	100		
128	34.1	28.9	43.3
54	59.1	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: BG040619.D

Acq: 25 Apr 2019 20:31

Instrument :

BNA_G

ClientSampleId :

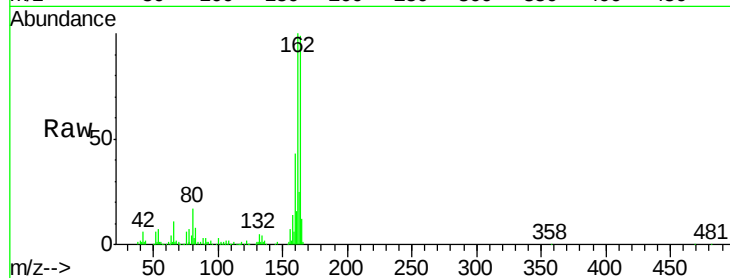
Tot Ion:164 Resp: 155146

Ion Ratio Lower Upper

164 100

162 101.1 81.9 122.9

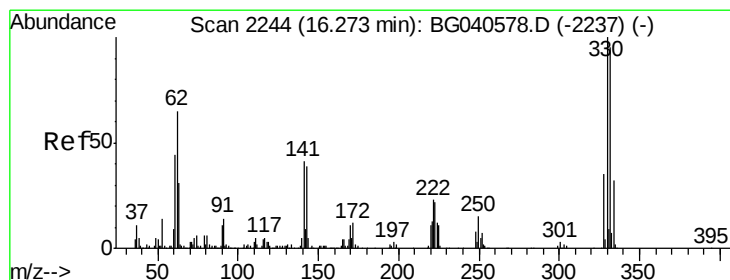
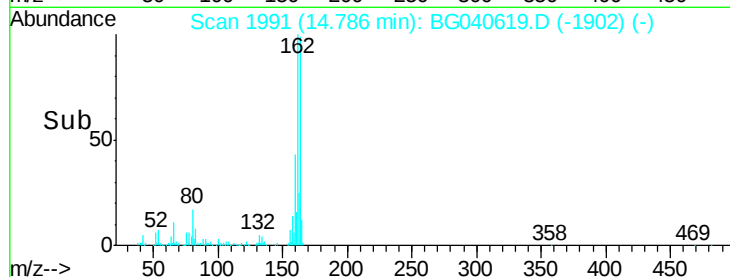
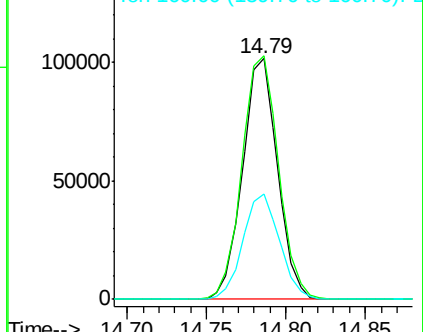
160 43.6 35.4 53.2



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: 94.749 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

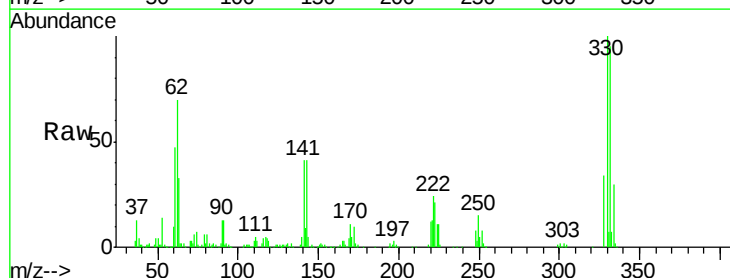
Tgt Ion:330 Resp: 202054

Ion Ratio Lower Upper

330 100

332 95.2 75.9 113.9

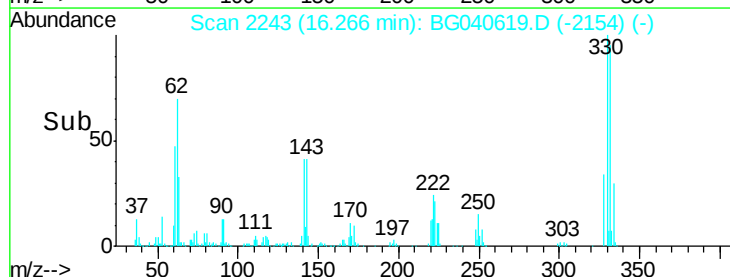
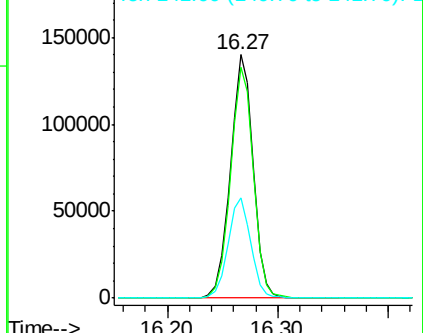
141 41.4 32.4 48.6



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

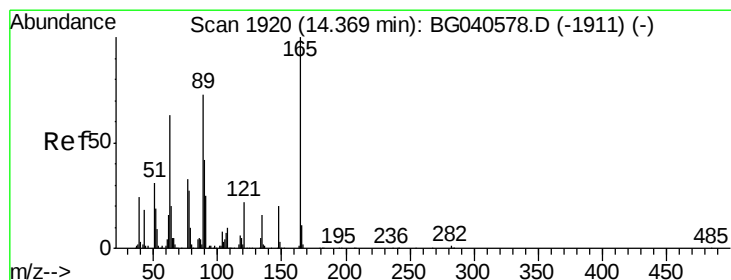
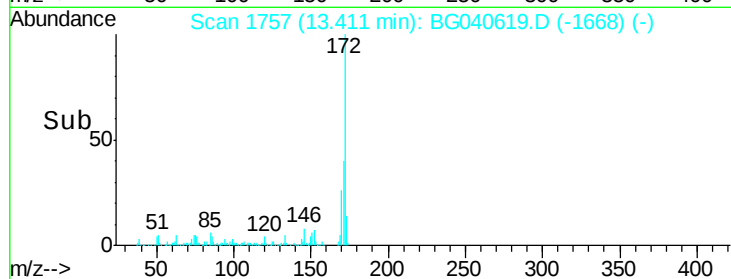
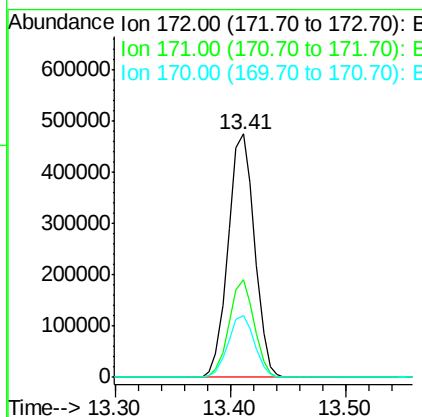
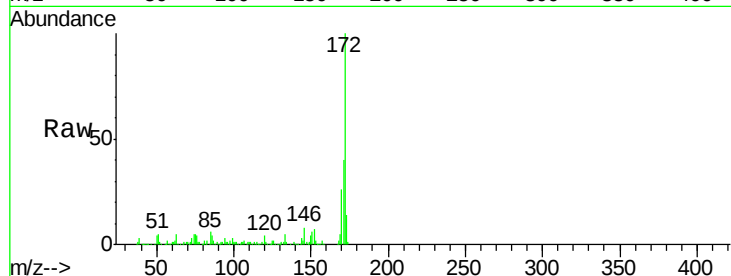




#45
2-Fluorobiphenyl
Concen: 69.680 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

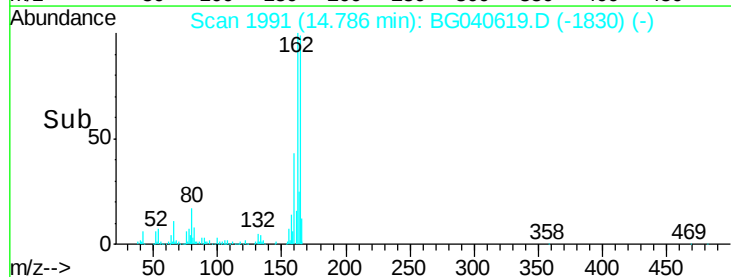
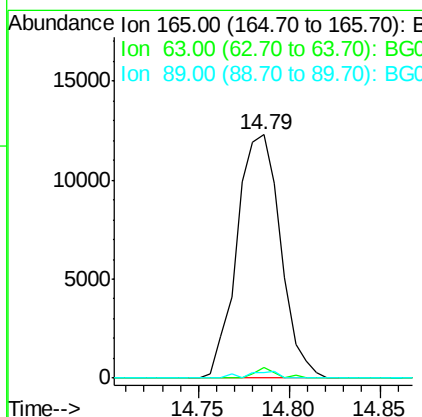
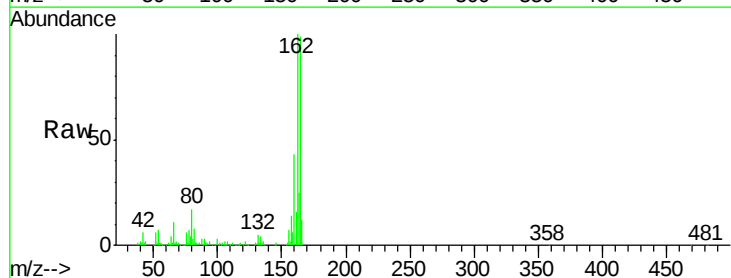
Instrument :
BNA_G
ClientSampleId :

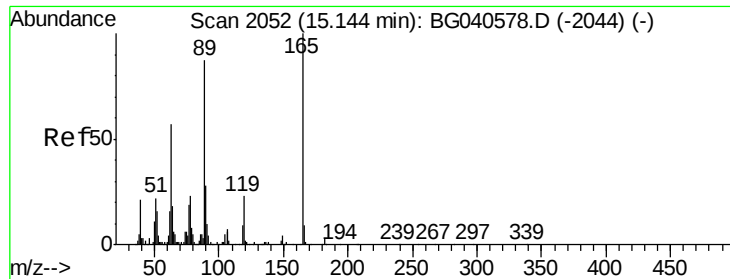
Tot Ion	Ratio	Lower	Upper
172	100		
171	39.9	29.4	44.2
170	25.6	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.108 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040619.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.5	61.0	91.4#
89	2.3	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.967 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 20540

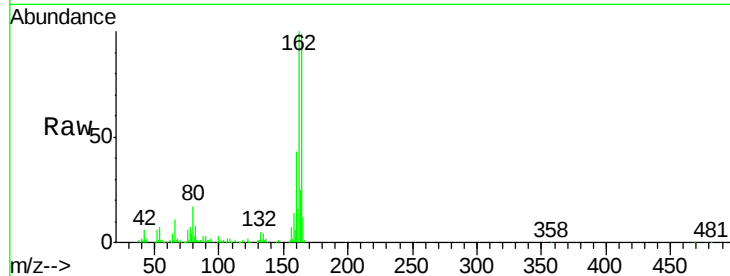
Ion Ratio Lower Upper

165 100

63 4.5 45.8 68.8#

89 2.3 69.4 104.2#

182 0.0 2.2 3.4#

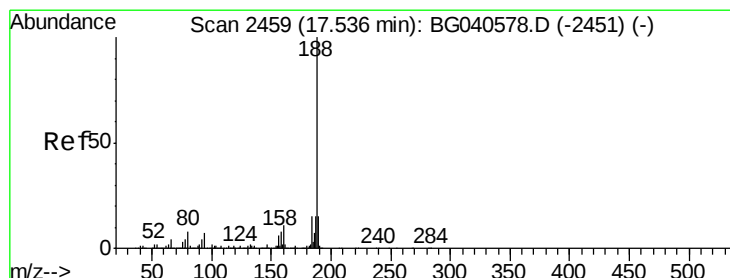
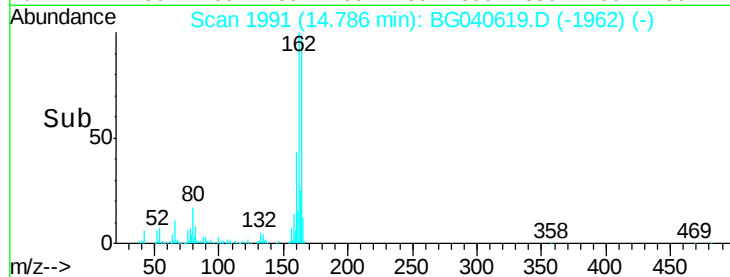
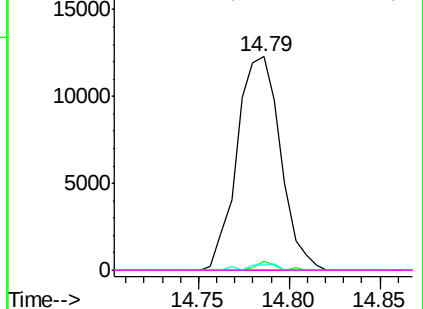


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040619.D

Acq: 25 Apr 2019 20:31

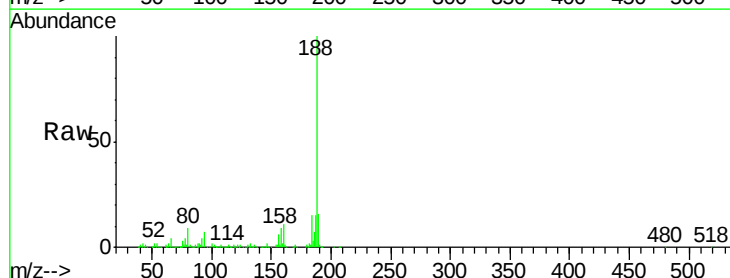
Tgt Ion:188 Resp: 428689

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

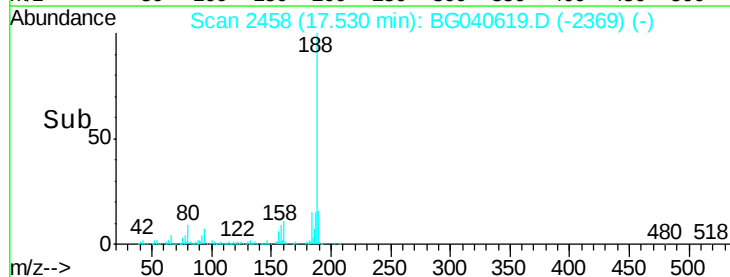
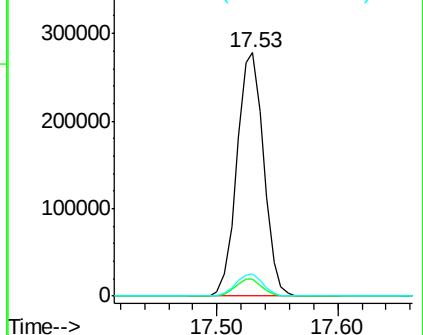
80 8.9 6.4 9.6

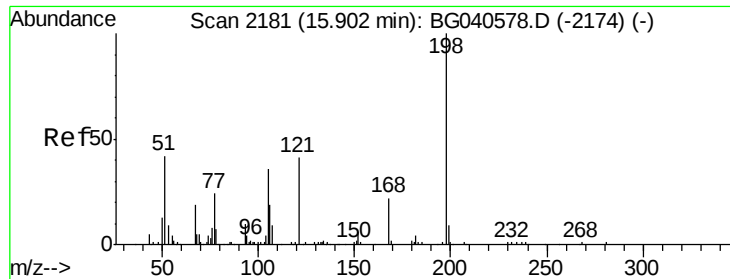


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.428 ng

RT: 16.26 min Scan# 2242

Delta R.T. 0.36 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Instrument :

BNA_G

ClientSampled :

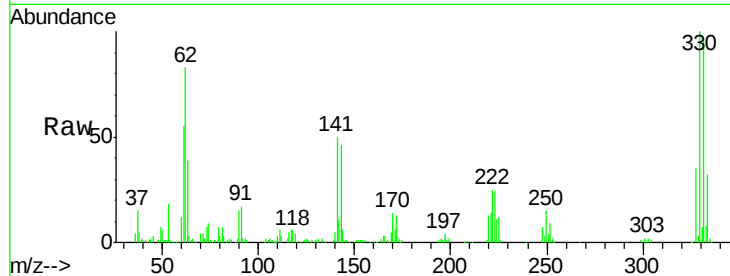
Tot Ion:198 Resp: 809

Ion Ratio Lower Upper

198 100

51 182.7 35.9 75.9#

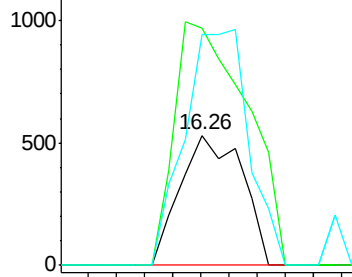
105 177.4 21.2 61.2#



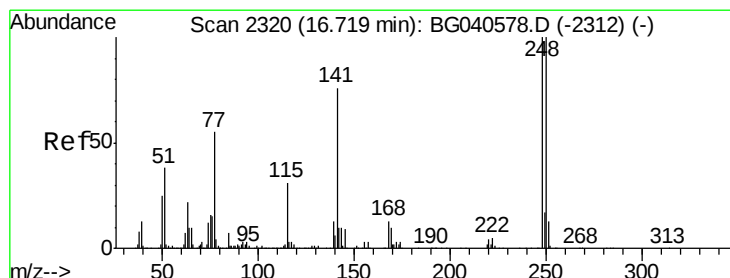
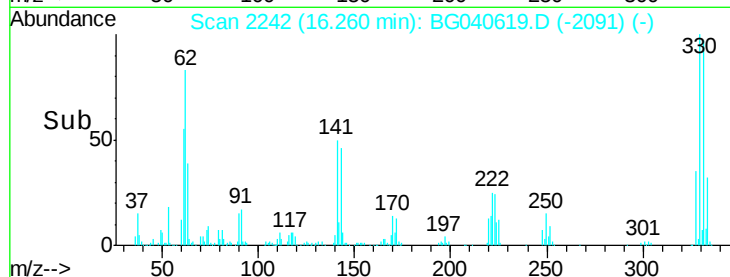
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.802 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

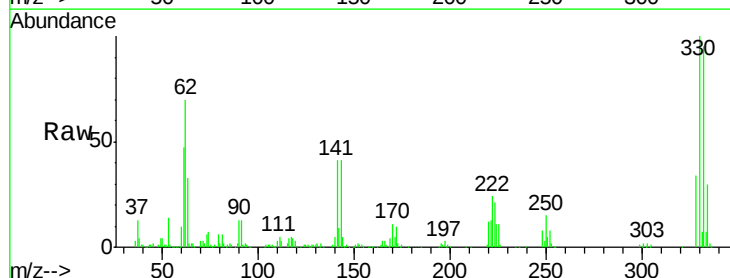
Tgt Ion:248 Resp: 14963

Ion Ratio Lower Upper

248 100

250 231.5 79.8 119.6#

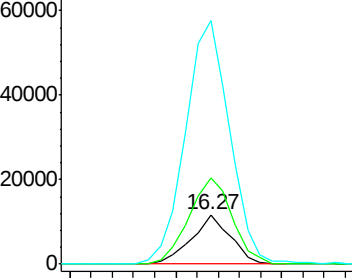
141 494.7 60.8 91.2#



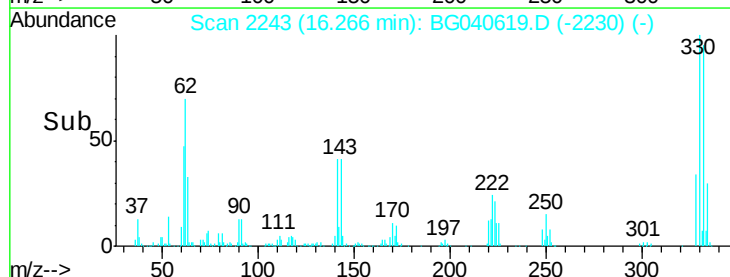
Abundance Ion 248.00 (247.70 to 248.70): E

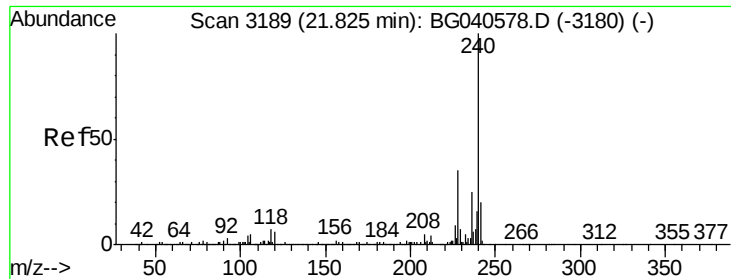
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Instrument :

BNA_G

ClientSampleId :

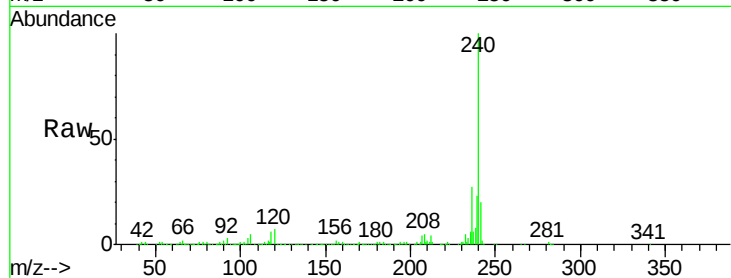
Tot Ion:240 Resp: 442784

Ion Ratio Lower Upper

240 100

120 6.9 5.0 7.6

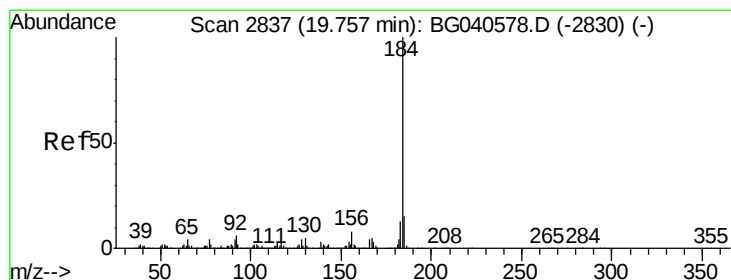
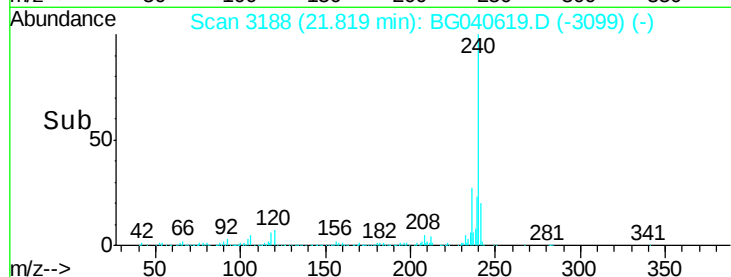
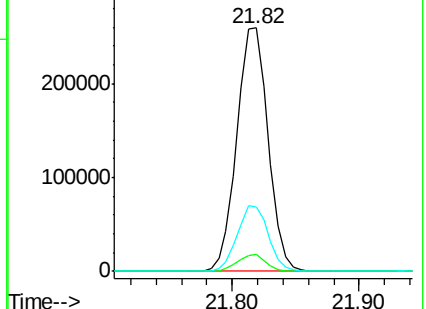
236 26.5 20.3 30.5



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: 2.512 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

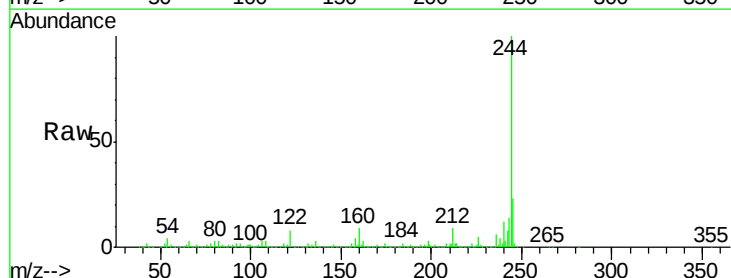
Tgt Ion:184 Resp: 30450

Ion Ratio Lower Upper

184 100

185 19.1 11.8 17.8#

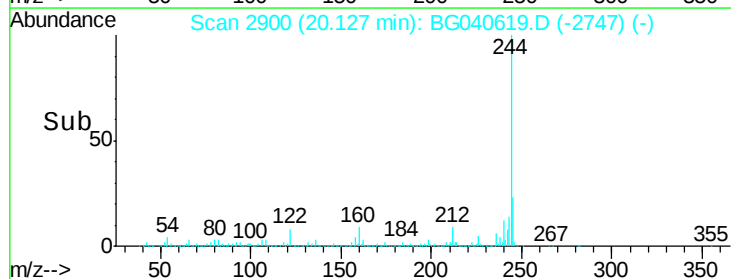
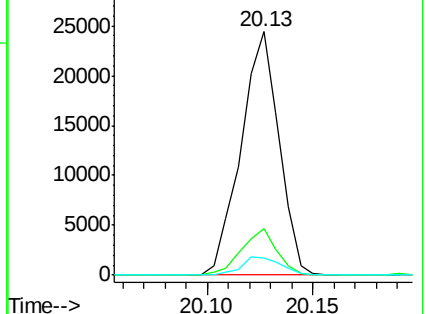
183 7.2 10.2 15.2#

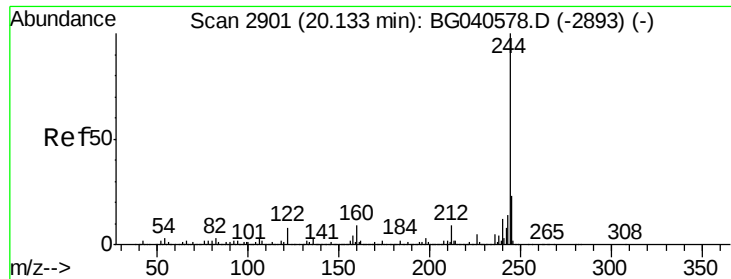


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 74.617 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

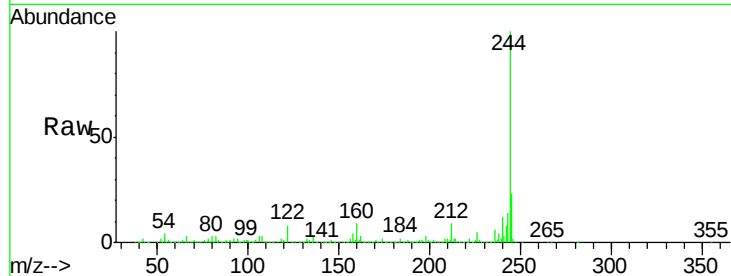
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1491334

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.2	10.8
122	8.1	6.6	10.0

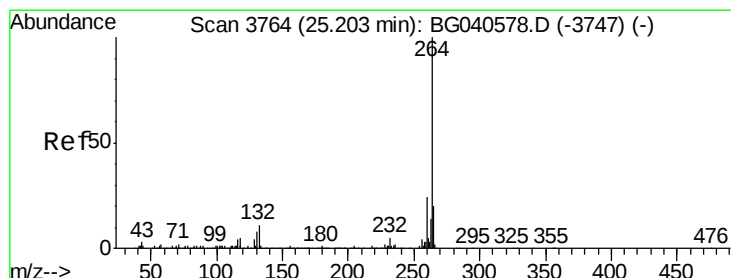
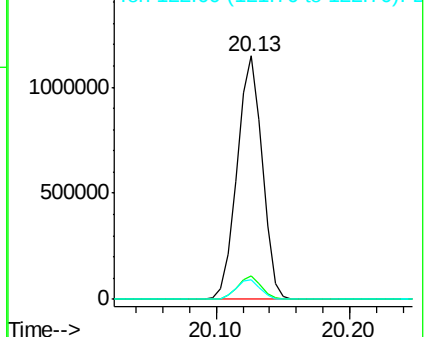
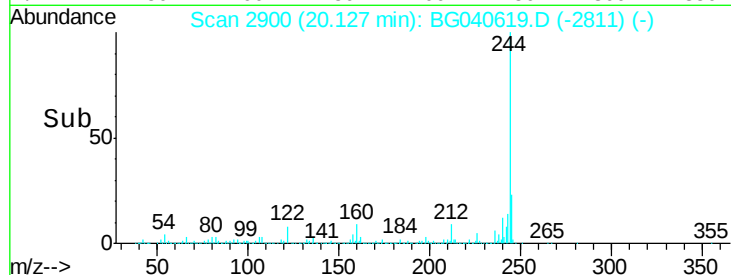


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3761

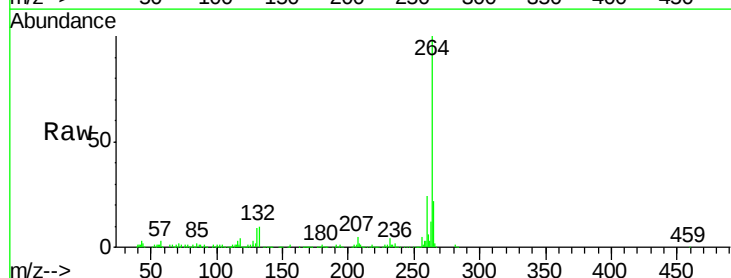
Delta R.T. -0.02 min

Lab File: BG040619.D

Acq: 25 Apr 2019 20:31

Tgt Ion:264 Resp: 463133

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	16.6	25.0



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

