

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040630.D
 Acq On : 26 Apr 2019 15:34
 Operator : JU/SJ
 Sample : K2535-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:13 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

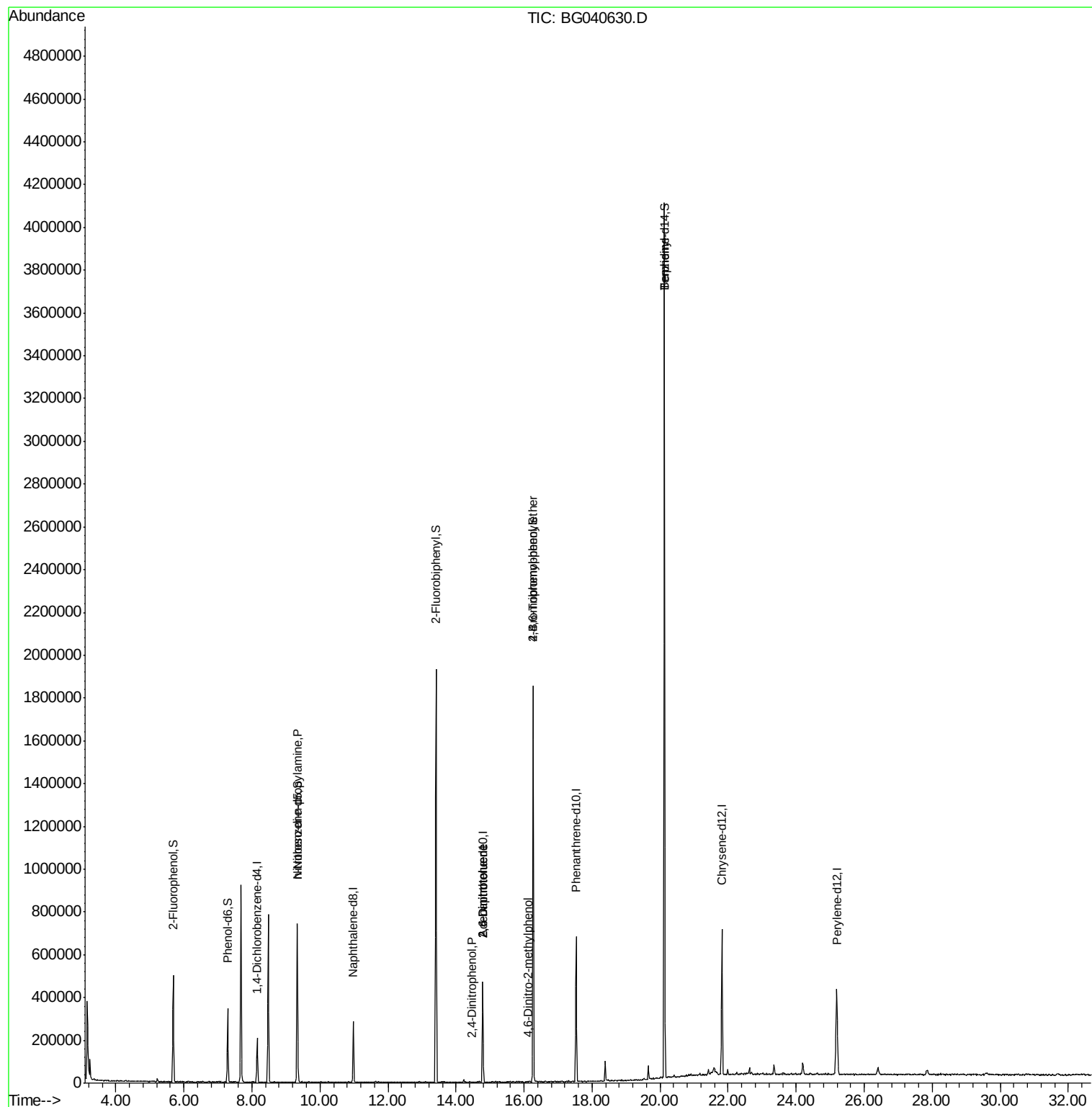
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	50166	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	207924	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	154526	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	401217	20.00	ng	0.00
76) Chrysene-d12	21.81	240	392750	20.00	ng	-0.01
87) Perylene-d12	25.19	264	419902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	175307	61.60	ng	0.00
7) Phenol-d6	7.29	99	166158	37.92	ng	0.00
23) Nitrobenzene-d5	9.34	82	443141	98.48	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	298303	140.44	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	923703	86.33	ng	0.00
79) Terphenyl-d14	20.13	244	1725069	97.31	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	391	Below Cal	Qvalue # 6	
19) n-Nitroso-di-n-propylamine	9.34	70	65271	16.548 ng	#	75
51) 2,6-Dinitrotoluene	14.78	165	19388	7.684 ng	#	14
54) 2,4-Dinitrophenol	14.48	184	59	7.053 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	19388	5.654 ng	#	16
65) 4,6-Dinitro-2-methylphenol	16.12	198	61	7.127 ng	#	28
67) 4-Bromophenyl-phenylether	16.27	248	23607	4.723 ng	#	1
77) Benzidine	20.13	184	33904	3.153 ng	#	92

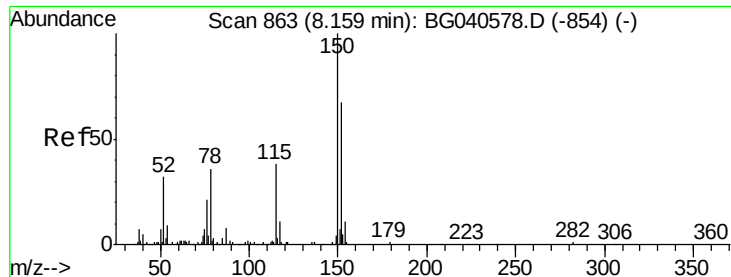
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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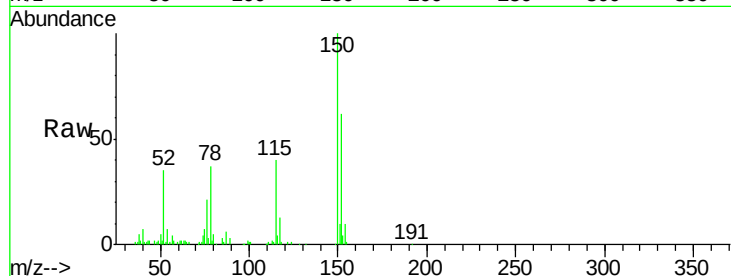


#1

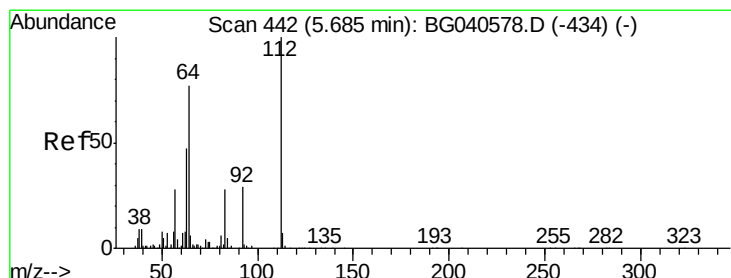
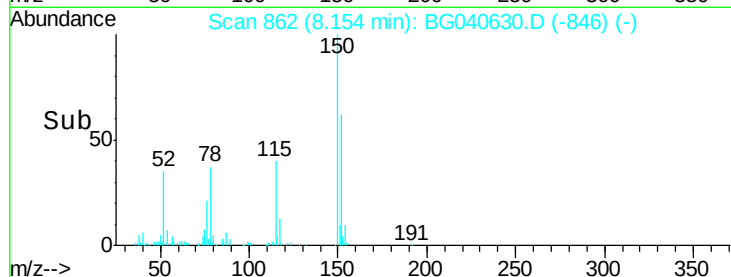
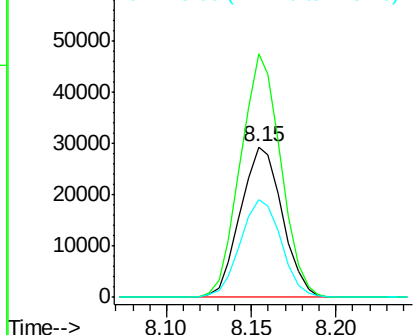
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	120.2	180.2
115	64.4	46.2	69.2



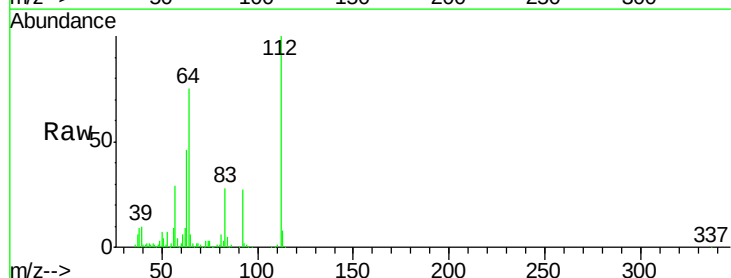
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



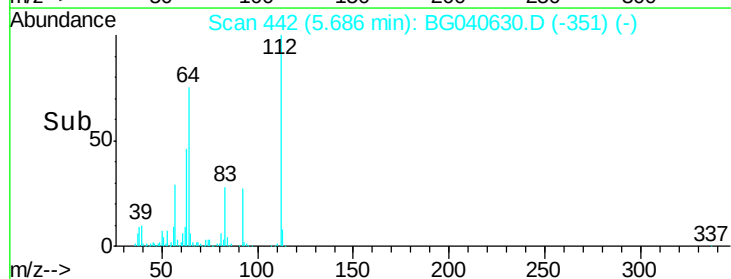
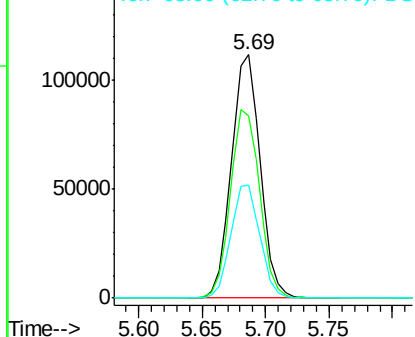
#5

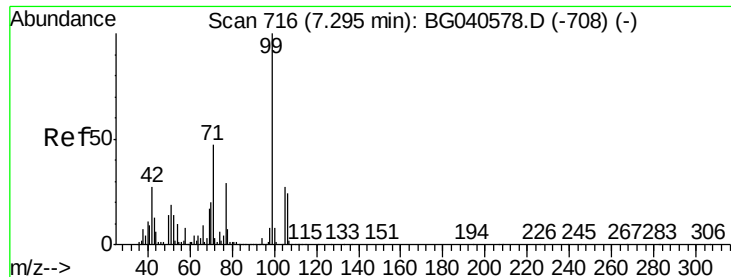
2-Fluorophenol
Concen: 61.600 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.6	61.4	92.0
63	46.4	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: 37.920 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

Instrument :

BNA_G

ClientSampled :

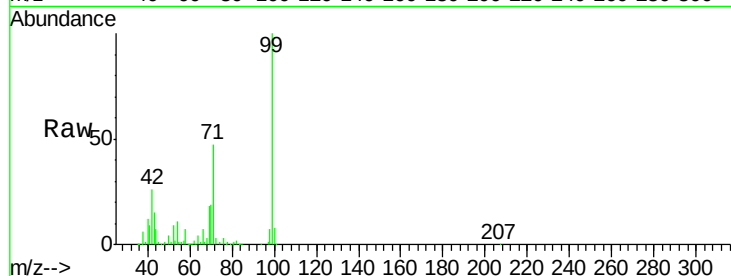
Tot Ion: 99 Resp: 166158

Ion Ratio Lower Upper

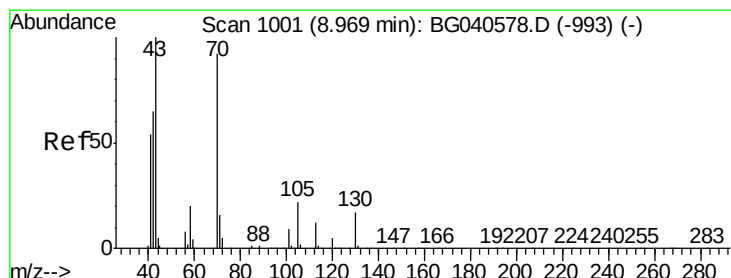
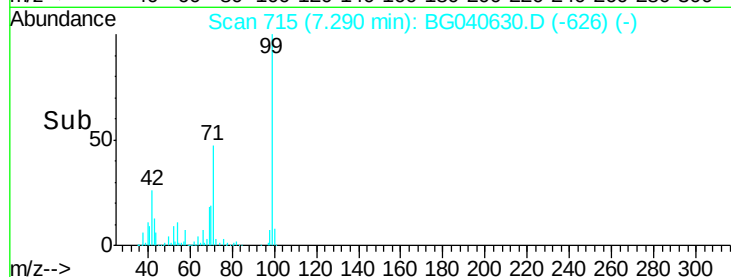
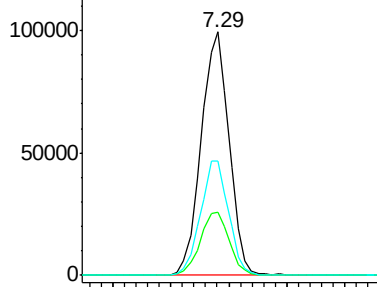
99 100

42 26.2 21.8 32.8

71 47.0 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: 16.548 ng

RT: 9.34 min Scan# 1063

Delta R.T. 0.37 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

Tgt Ion: 70 Resp: 65271

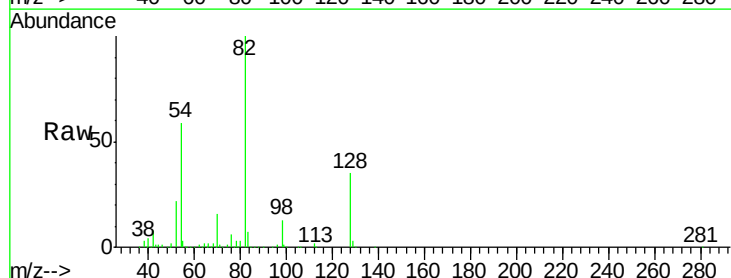
Ion Ratio Lower Upper

70 100

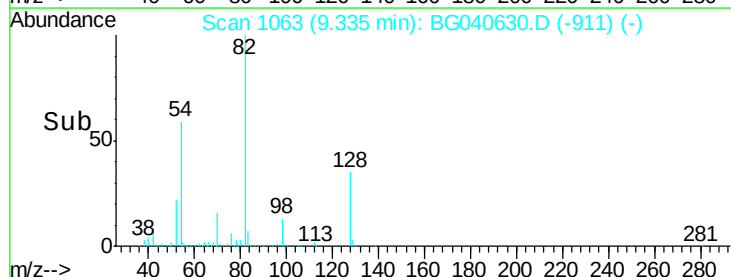
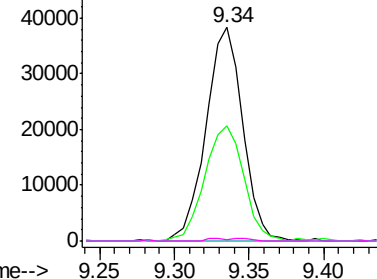
42 53.8 57.1 85.7#

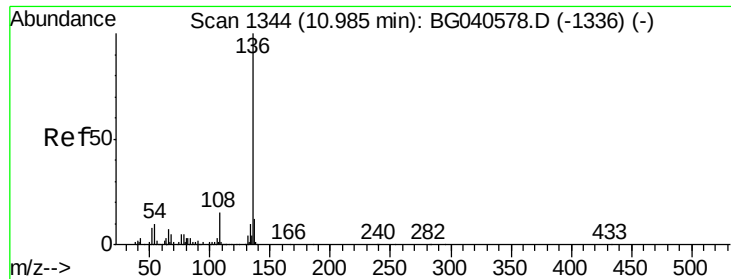
101 0.0 7.8 11.8#

130 0.9 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: BG040630.D

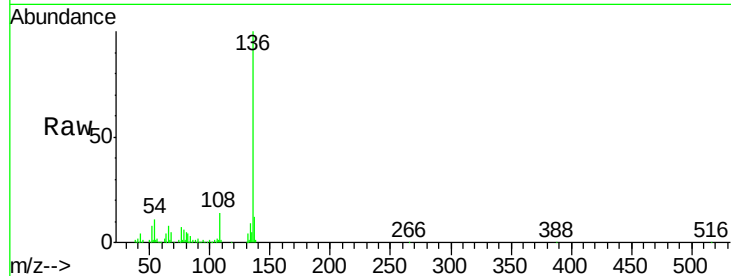
Acq: 26 Apr 2019 15:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	207924
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.7 14.5
54	10.7	8.6 12.8
68	4.7	4.8 7.2#

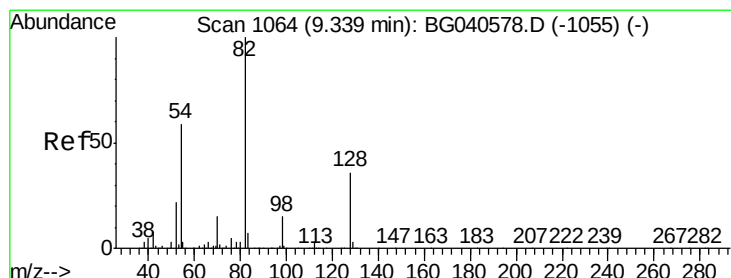
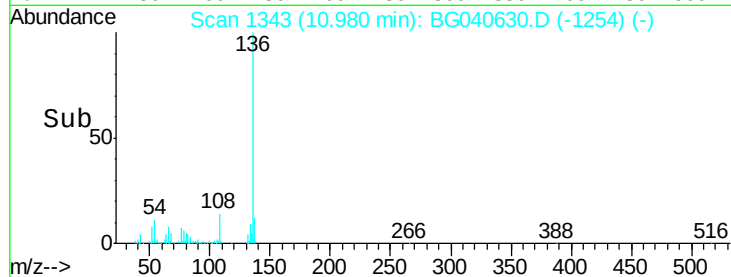
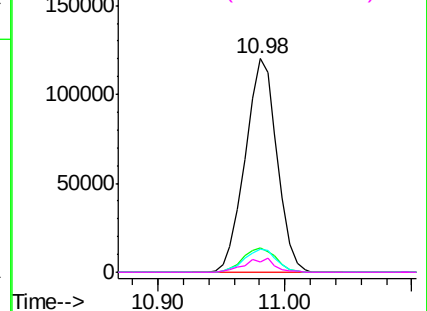


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.478 ng

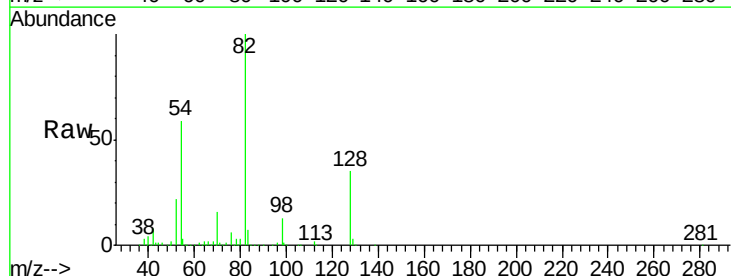
RT: 9.34 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

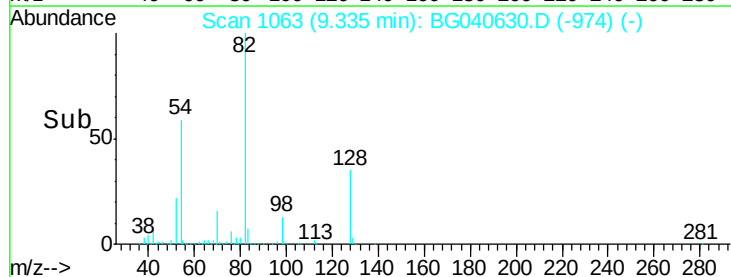
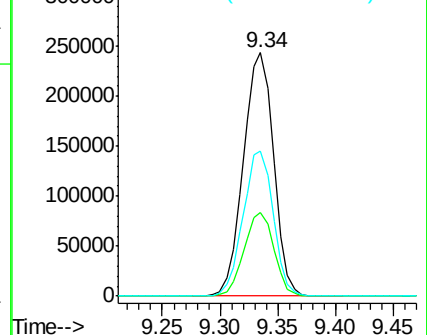
Tgt Ion: 82	Resp:	443141
Ion	Ratio	Lower Upper
82	100	
128	34.5	28.9 43.3
54	59.4	47.2 70.8

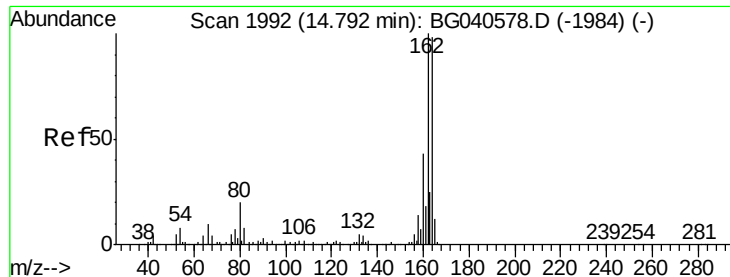


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

Instrument :

BNA_G

ClientSampleId :

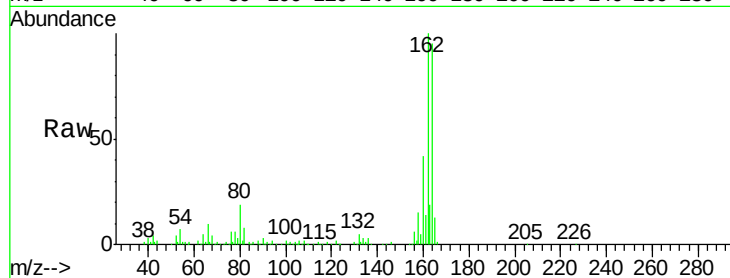
Tot Ion:164 Resp: 154526

Ion Ratio Lower Upper

164 100

162 105.6 81.9 122.9

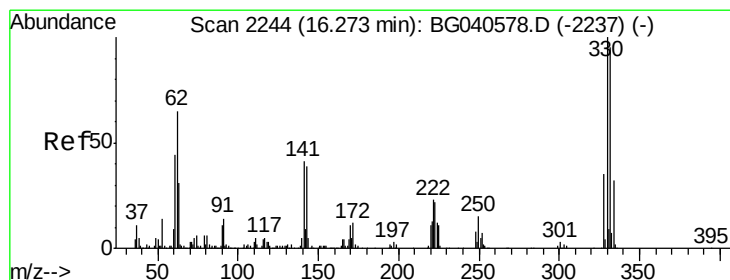
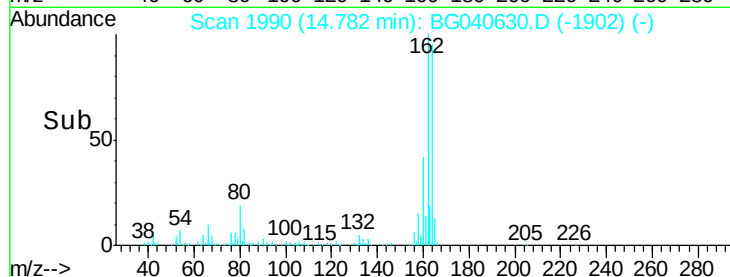
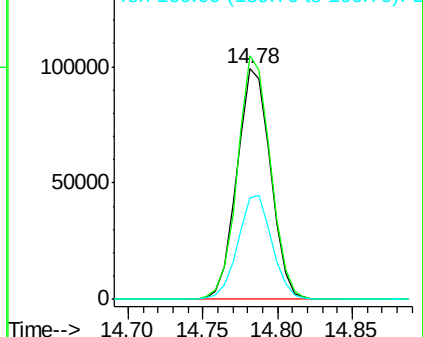
160 44.1 35.4 53.2



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: 140.444 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

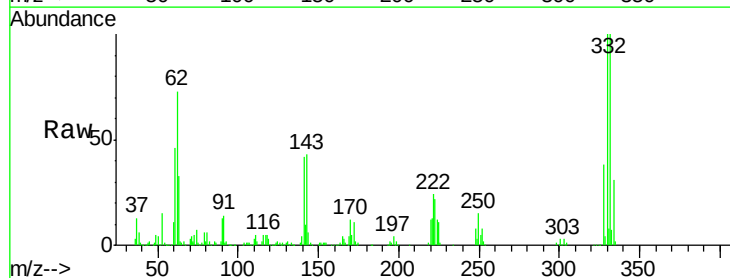
Tgt Ion:330 Resp: 298303

Ion Ratio Lower Upper

330 100

332 97.6 75.9 113.9

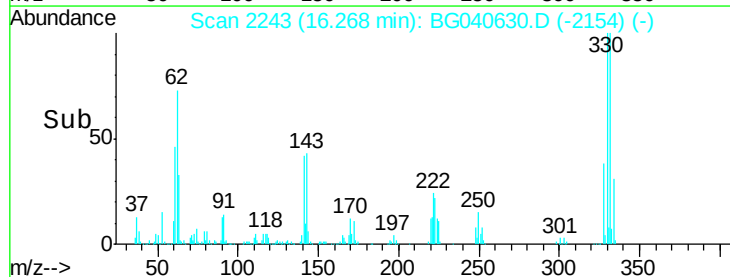
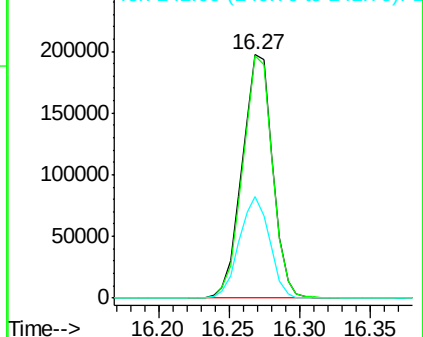
141 41.4 32.4 48.6

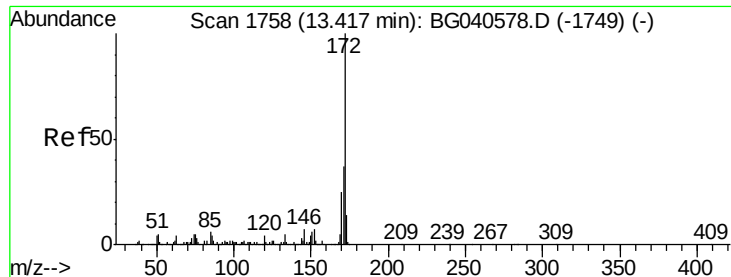


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 86.329 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

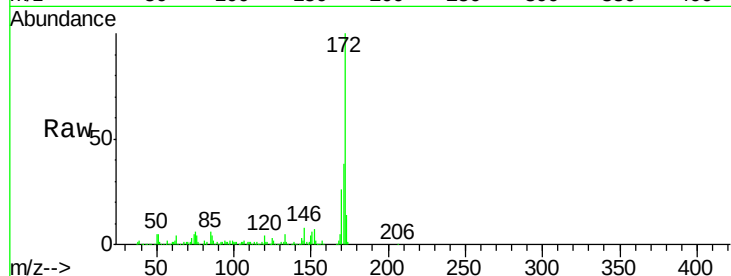
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 923703

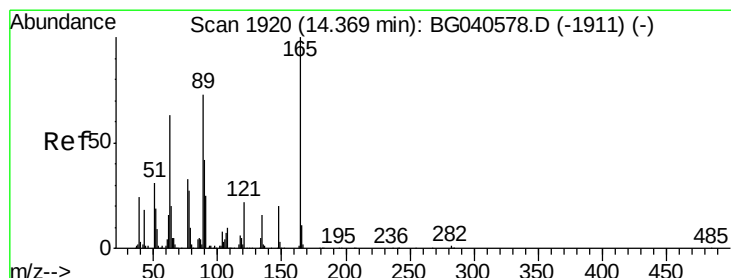
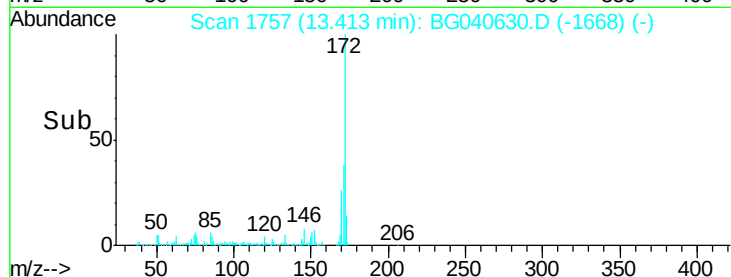
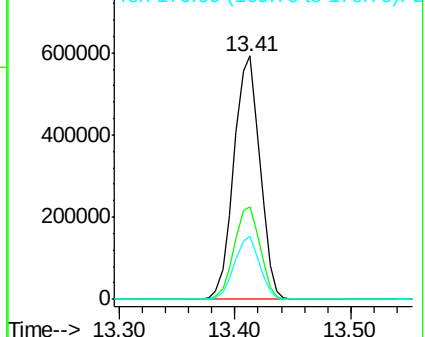
Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	26.1	19.9	29.9



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



#51

2,6-Dinitrotoluene

Concen: 7.684 ng

RT: 14.78 min Scan# 1990

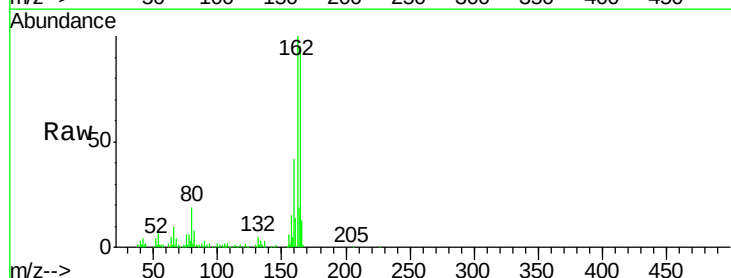
Delta R.T. 0.41 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

Tgt Ion:165 Resp: 19388

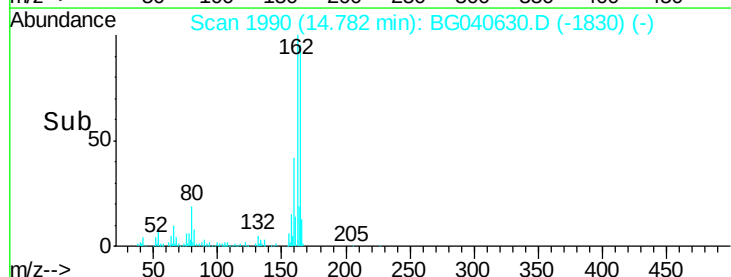
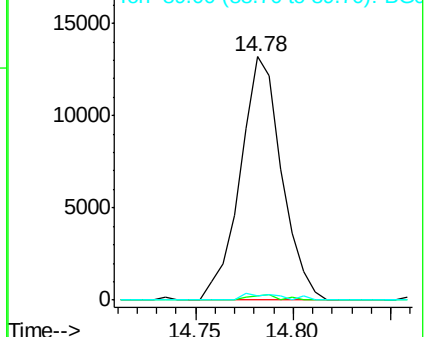
Ion	Ratio	Lower	Upper
165	100		
63	1.6	61.0	91.4#
89	1.6	58.6	87.8#

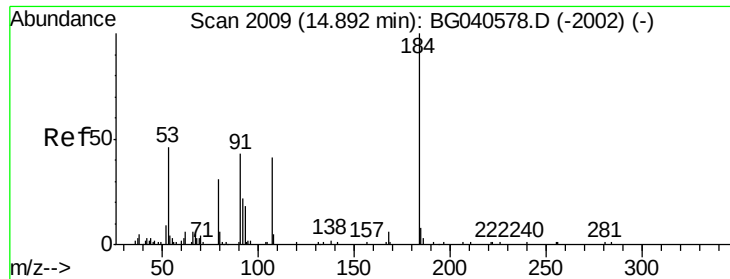


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

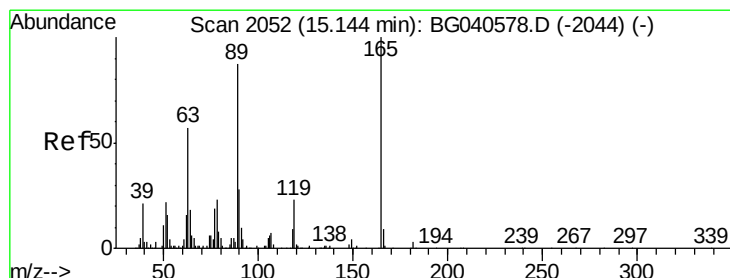
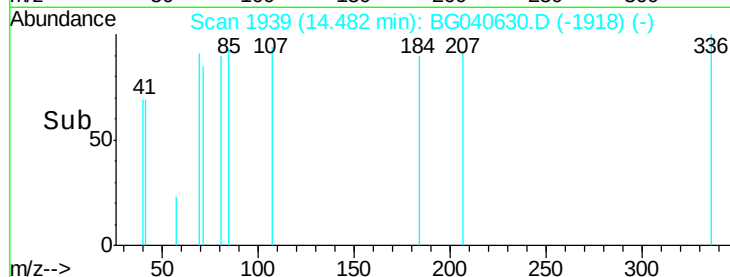
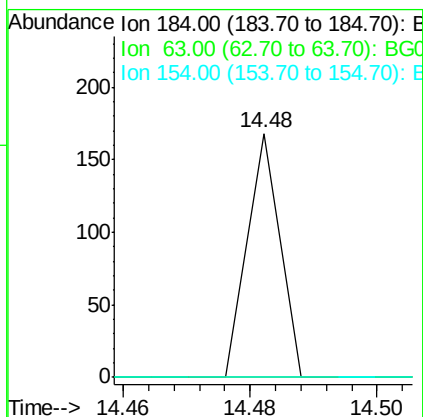
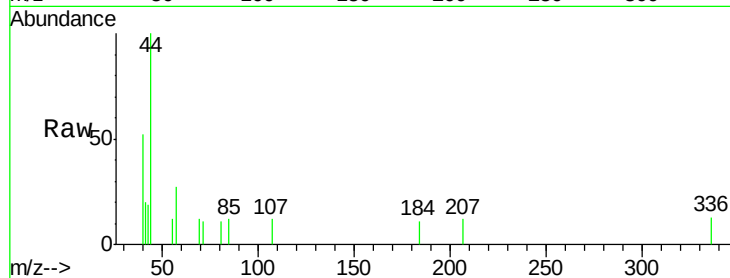




#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.48 min Scan# 1939
Delta R.T. -0.41 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

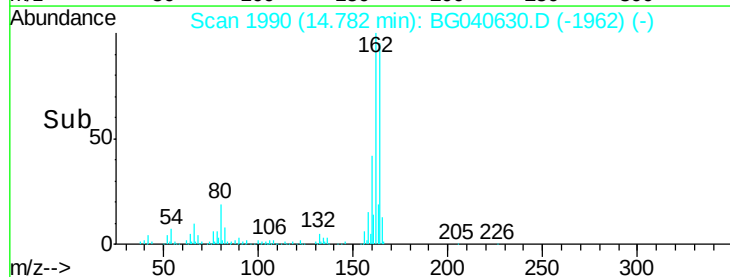
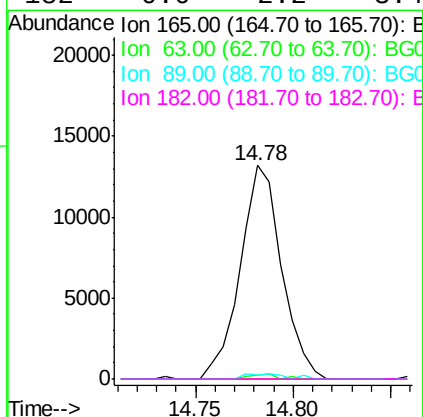
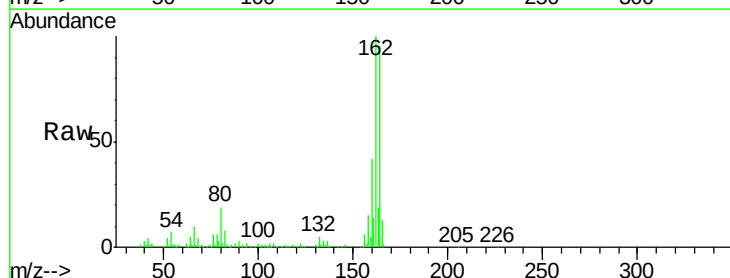
Instrument :
BNA_G
ClientSampleId :

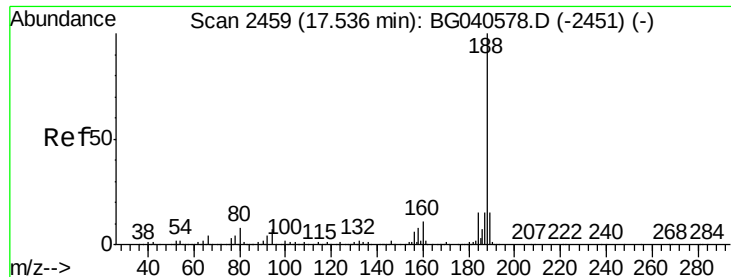
Tot Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.654 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.36 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Tgt Ion:165 Resp: 19388
Ion Ratio Lower Upper
165 100
63 1.6 45.8 68.8#
89 1.6 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: BG040630.D

Acq: 26 Apr 2019 15:34

Instrument :

BNA_G

ClientSampleId :

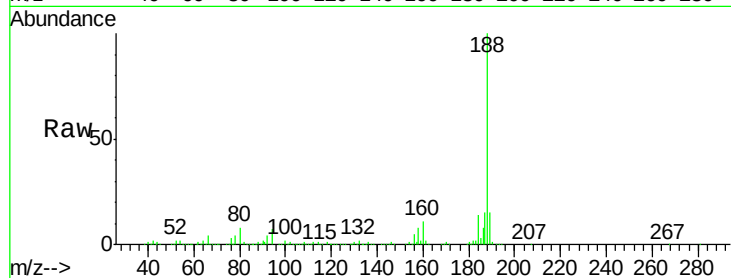
Tot Ion:188 Resp: 401217

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

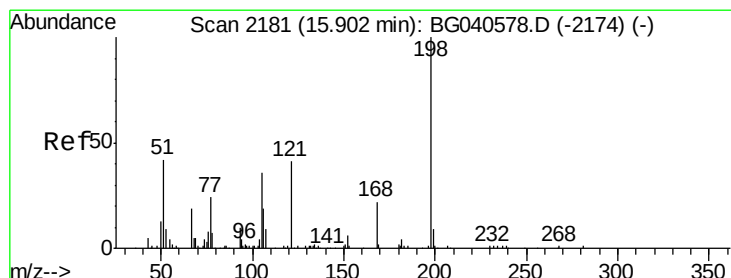
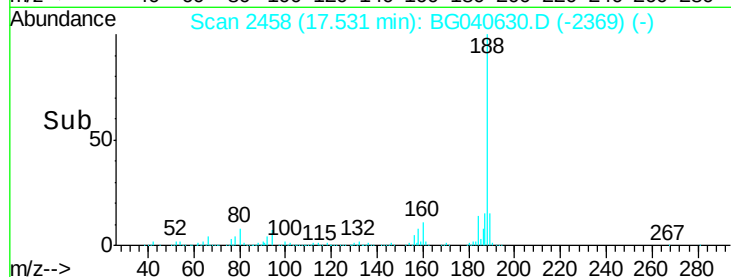
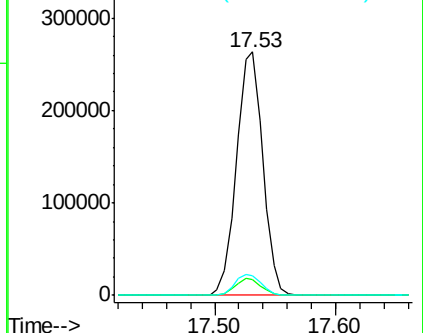
80 7.9 6.4 9.6



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: 7.127 ng

RT: 16.12 min Scan# 2218

Delta R.T. 0.22 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

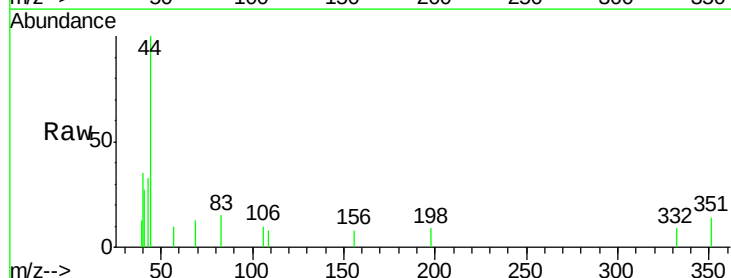
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

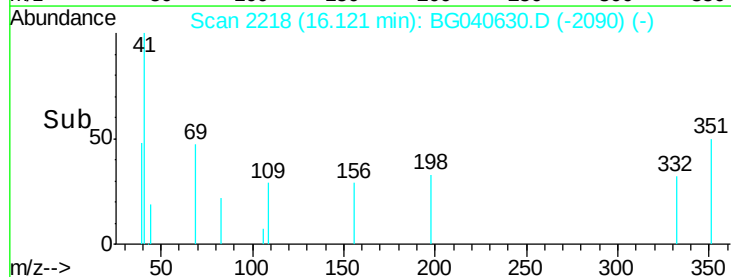
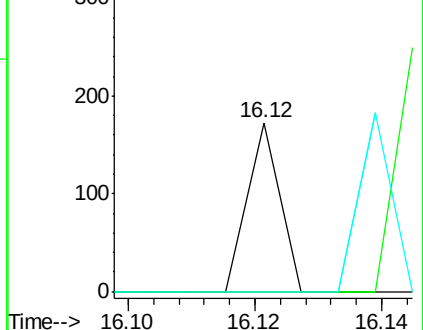
105 0.0 21.2 61.2#

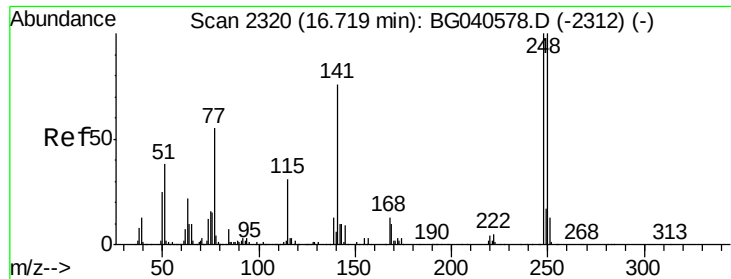


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

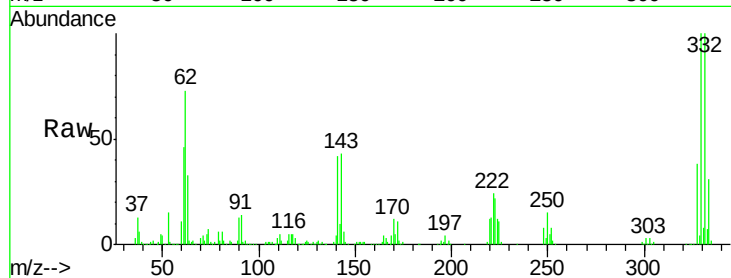




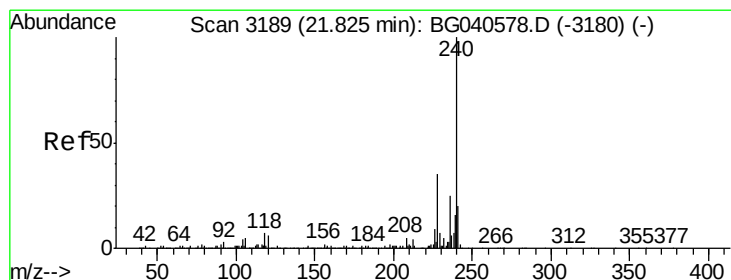
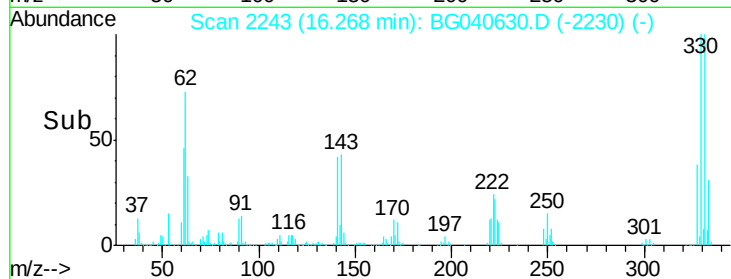
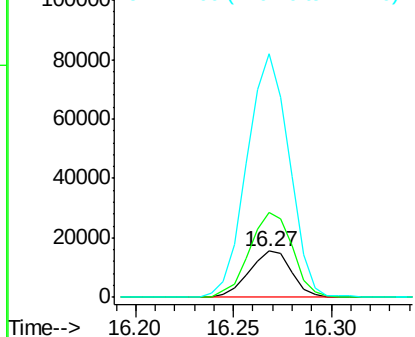
#67
4-Bromophenyl-phenylether
Concen: 4.723 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 23607
Ion Ratio Lower Upper
248 100
250 184.9 79.8 119.6#
141 527.0 60.8 91.2#

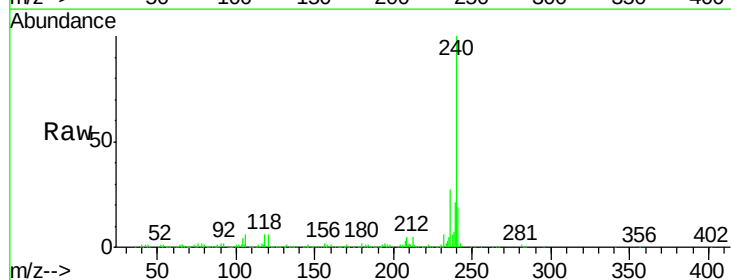


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

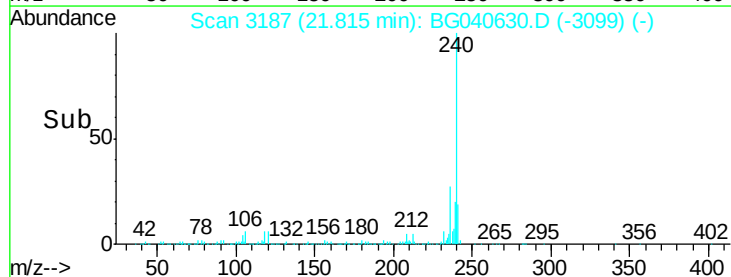
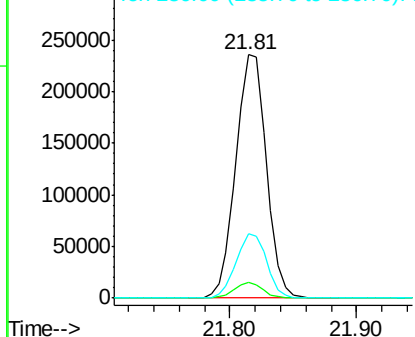


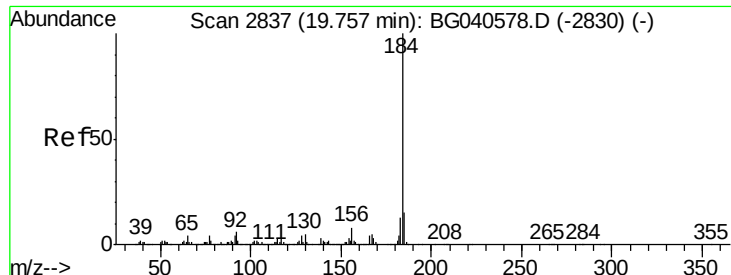
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3187
Delta R.T. -0.01 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Tgt Ion:240 Resp: 392750
Ion Ratio Lower Upper
240 100
120 6.4 5.0 7.6
236 26.7 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: 3.153 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

Instrument :

BNA_G

ClientSampleId :

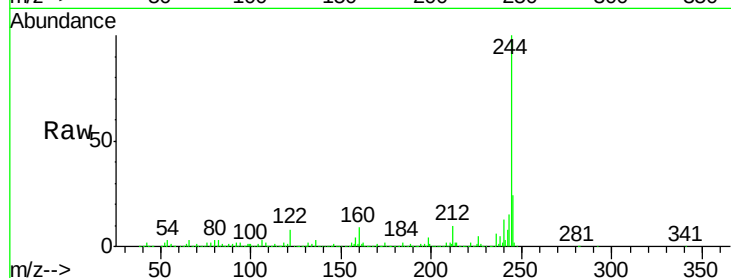
Tot Ion:184 Resp: 33904

Ion Ratio Lower Upper

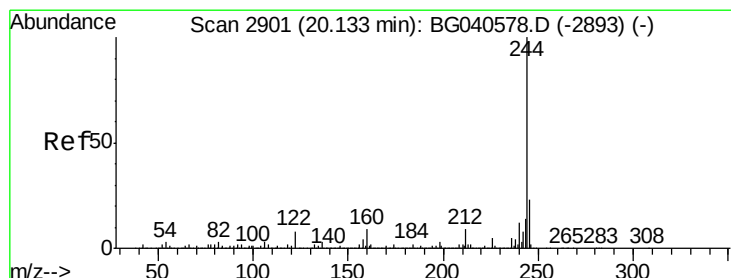
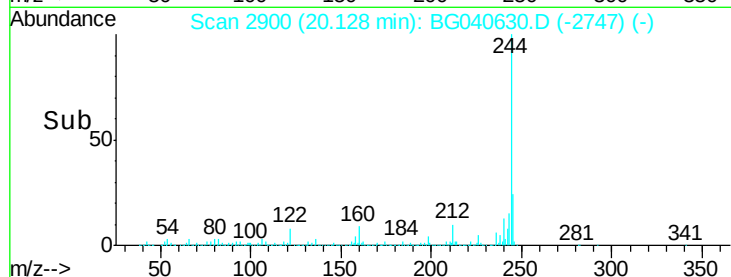
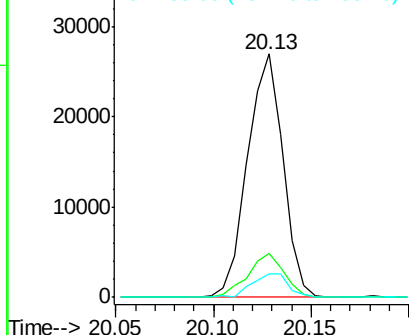
184 100

185 18.3 11.8 17.8#

183 9.8 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: 97.308 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040630.D

Acq: 26 Apr 2019 15:34

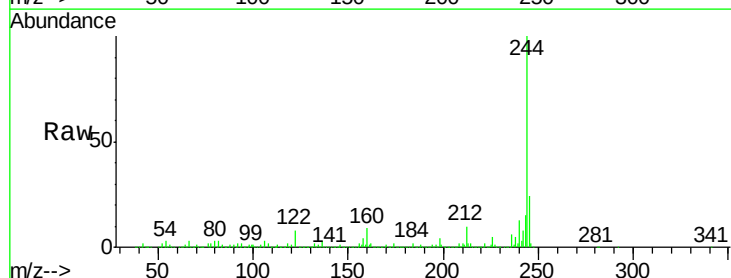
Tgt Ion:244 Resp: 1725069

Ion Ratio Lower Upper

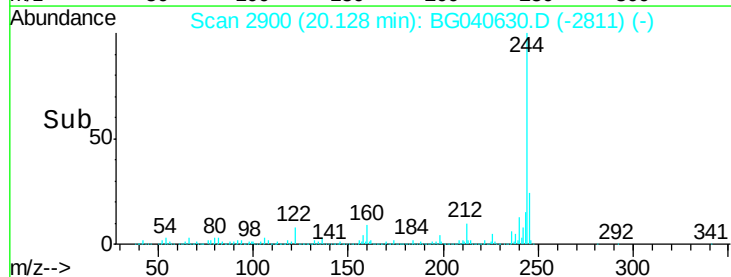
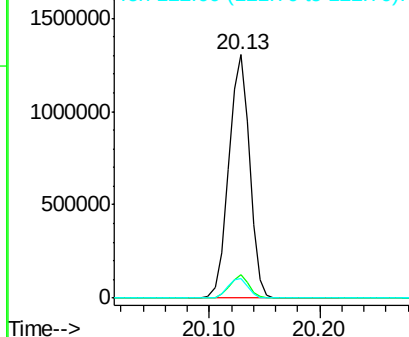
244 100

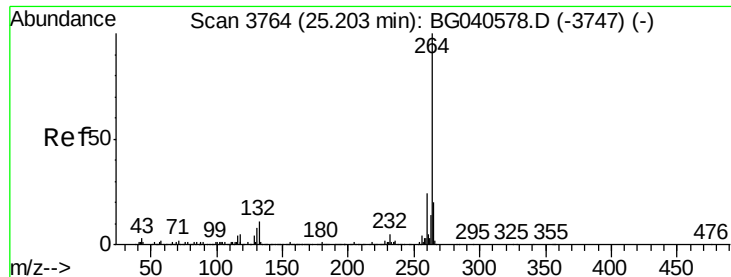
212 9.9 7.2 10.8

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
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG040630.D
Acq: 26 Apr 2019 15:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.7	16.6	25.0

