

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040651.D
 Acq On : 27 Apr 2019 6:04
 Operator : JU/SJ
 Sample : K2553-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 29 01:05:23 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	46064	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	188051	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	141192	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	388313	20.00	ng	0.00
76) Chrysene-d12	21.81	240	396283	20.00	ng	0.00
87) Perylene-d12	25.19	264	418857	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	347950	133.15	ng	0.00
7) Phenol-d6	7.29	99	459127	114.11	ng	0.00
23) Nitrobenzene-d5	9.34	82	434122	106.67	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	304502	156.90	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	884129	90.43	ng	0.00
79) Terphenyl-d14	20.13	244	1850524	103.45	ng	0.00

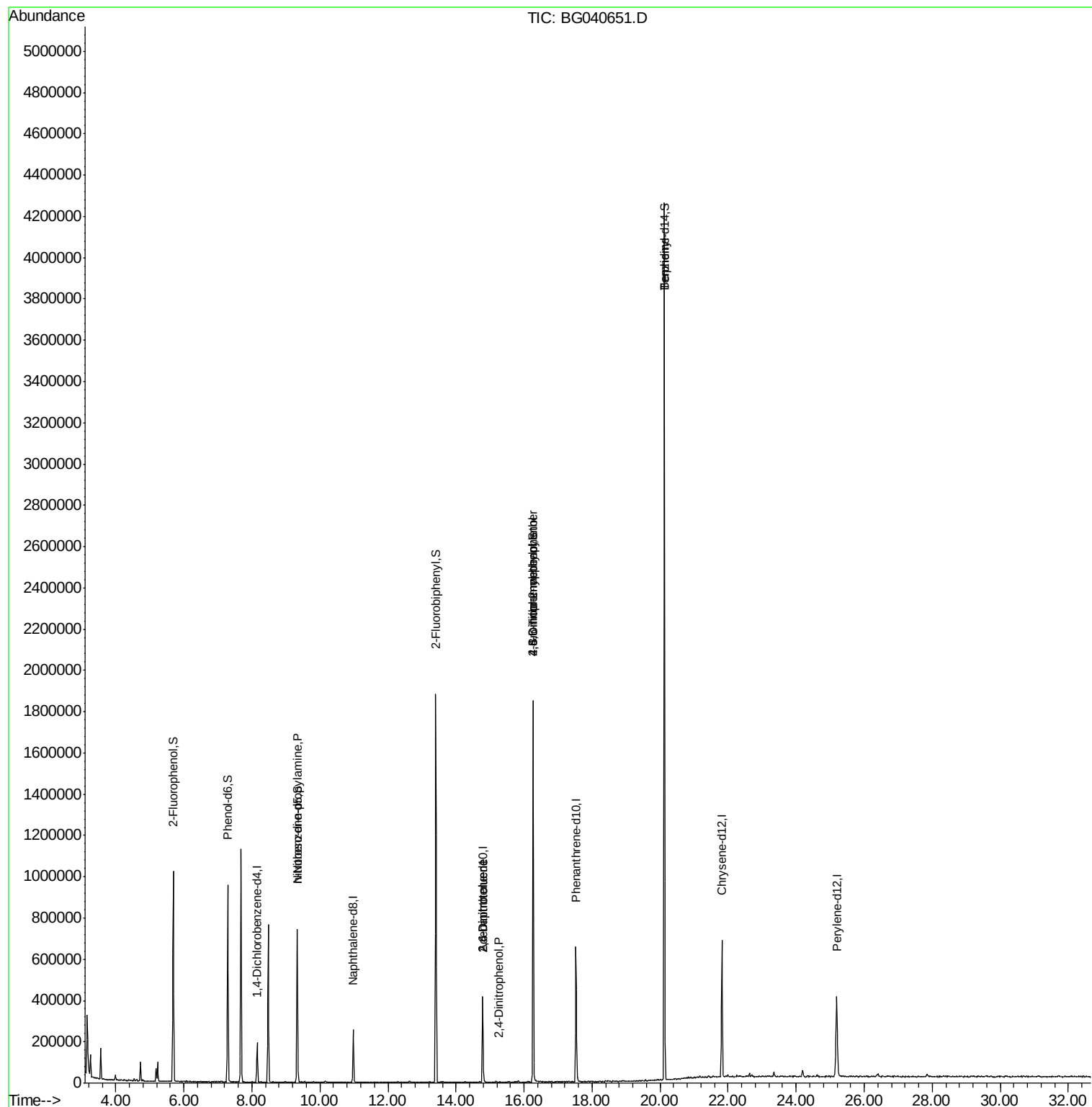
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.28	77	923	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.33	70	63453	17.519	ng	# 78
51) 2,6-Dinitrotoluene	14.79	165	18208	7.897	ng	# 15
54) 2,4-Dinitrophenol	15.25	184	58	7.055	ng	# 21
57) 2,4-Dinitrotoluene	14.79	165	18208	5.812	ng	# 16
65) 4,6-Dinitro-2-methylphenol	16.27	198	1318	7.688	ng	# 1
67) 4-Bromophenyl-phenylether	16.27	248	22827	4.718	ng	# 1
77) Benzidine	20.13	184	37078	3.417	ng	# 96

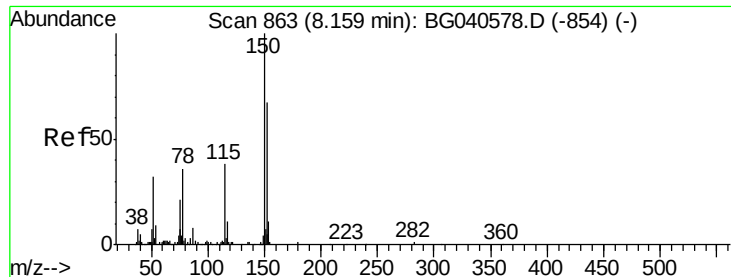
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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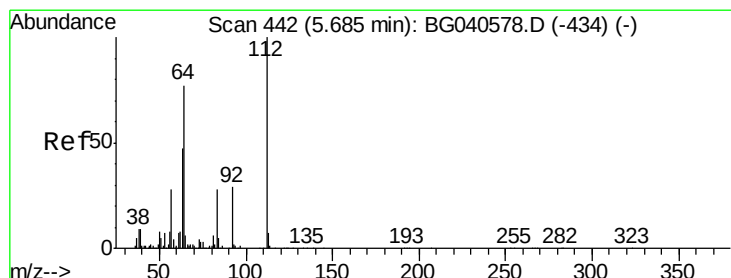
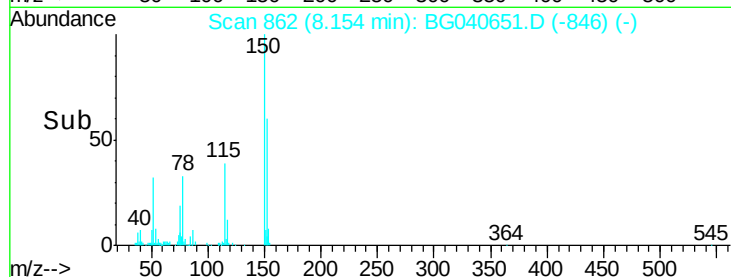
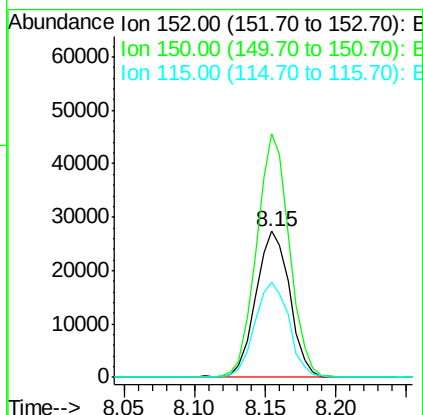
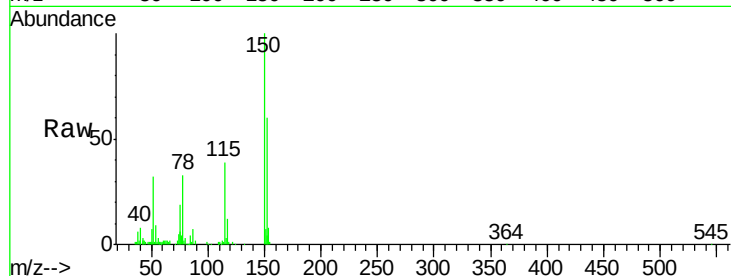


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Instrument :
BNA_G
ClientSampleId :

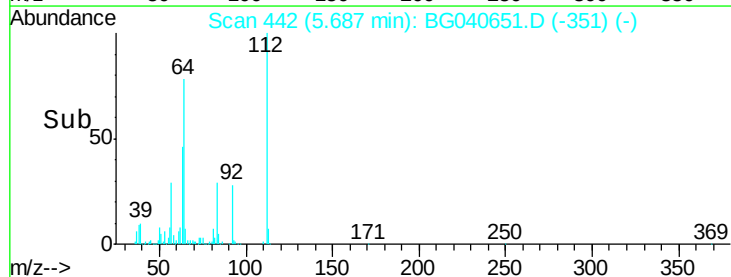
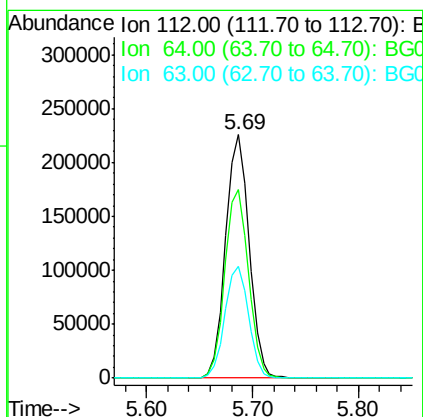
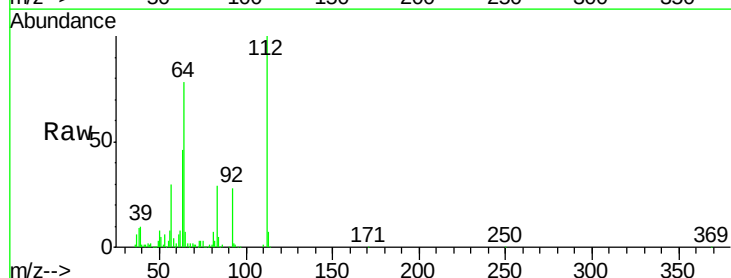
Tot Ion	Ratio	Lower	Upper
152	100		
150	166.5	120.2	180.2
115	65.4	46.2	69.2

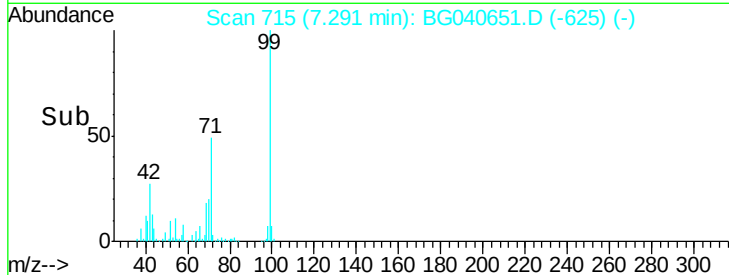
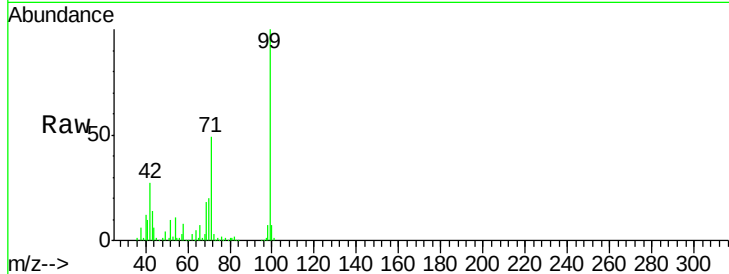
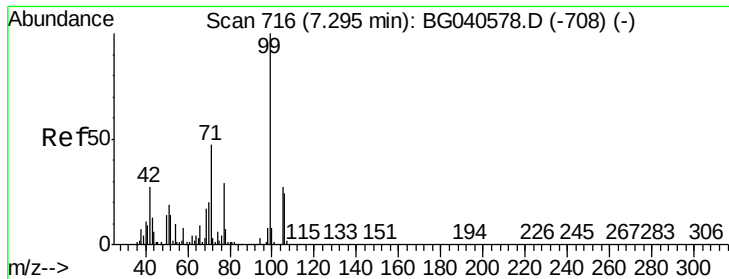


#5

2-Fluorophenol
Concen: 133.153 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.5	61.4	92.0
63	46.1	37.8	56.6





#7

Phenol-d6

Concen: 114.110 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Instrument :

BNA_G

ClientSampleId :

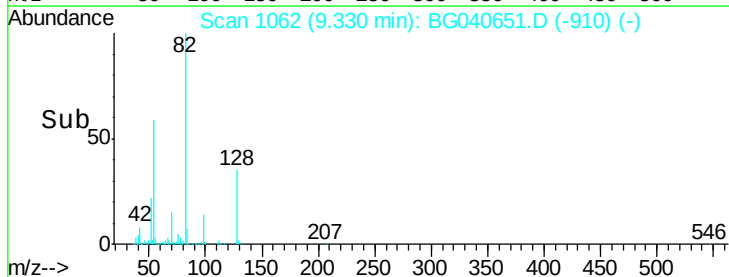
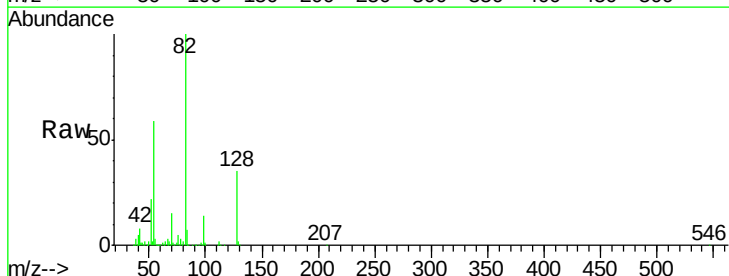
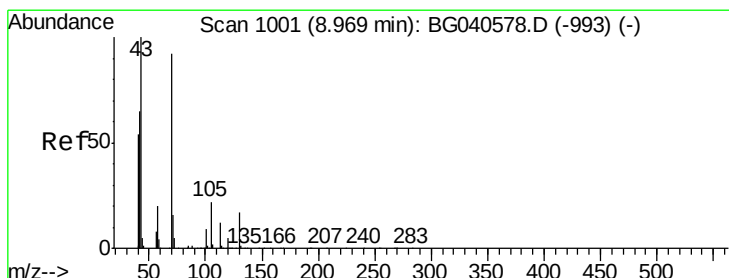
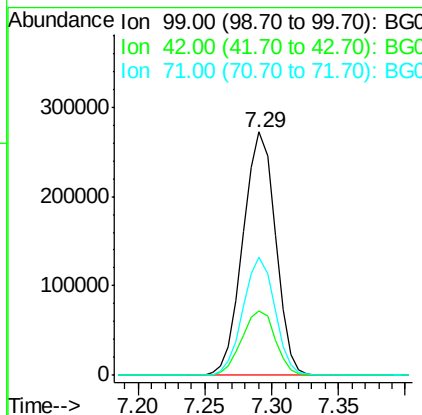
Tot Ion: 99 Resp: 459127

Ion Ratio Lower Upper

99 100

42 26.6 21.8 32.8

71 48.6 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.519 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Tgt Ion: 70 Resp: 63453

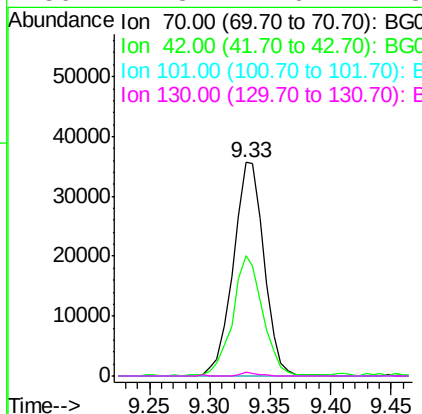
Ion Ratio Lower Upper

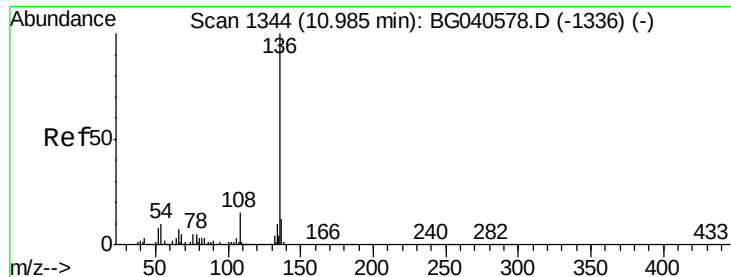
70 100

42 56.3 57.1 85.7#

101 0.0 7.8 11.8#

130 1.8 14.6 21.8#

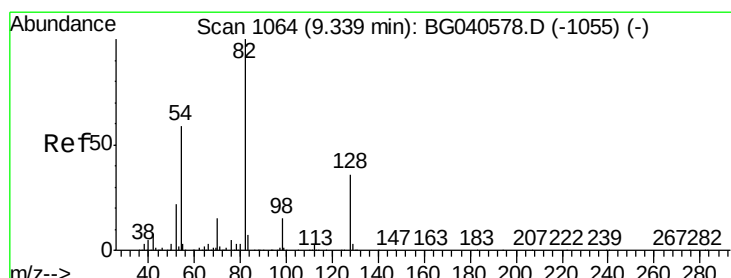
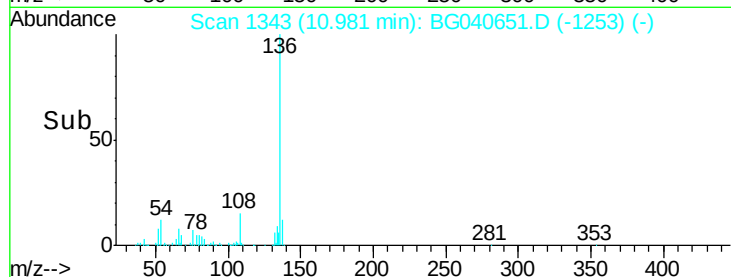
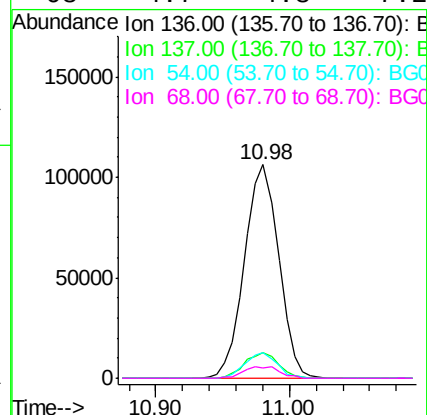
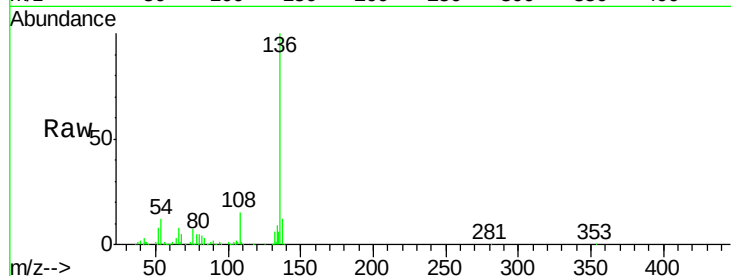




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

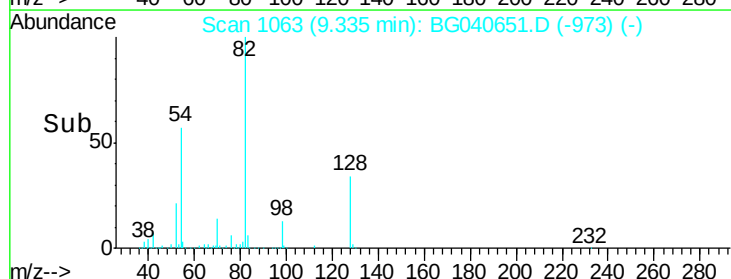
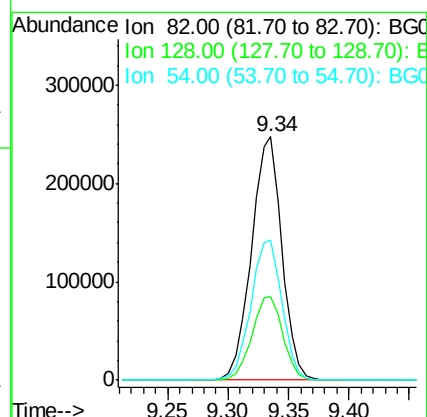
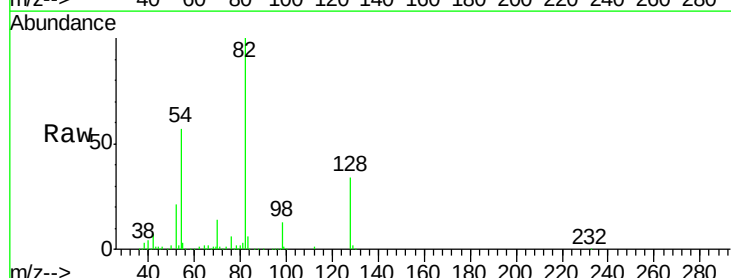
Instrument :
BNA_G
ClientSampleId :

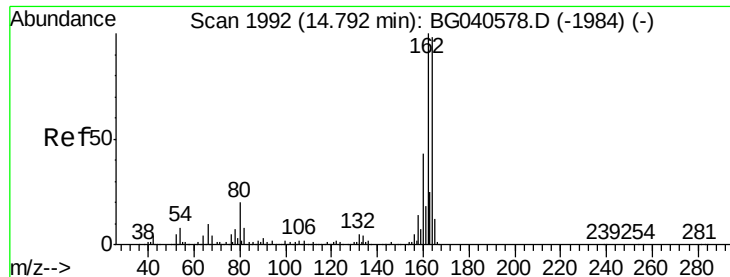
Tot Ion:136	Resp:	188051
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.7 14.5
54	12.1	8.6 12.8
68	4.7	4.8 7.2#



#23
Nitrobenzene-d5
Concen: 106.669 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Tgt Ion: 82	Resp:	434122
Ion Ratio	Lower	Upper
82	100	
128	34.2	28.9 43.3
54	57.3	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Instrument :

BNA_G

ClientSampleId :

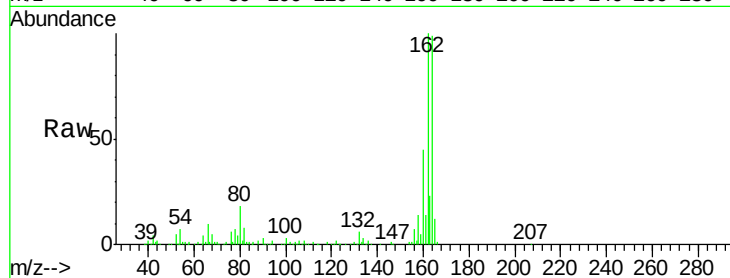
Tot Ion:164 Resp: 141192

Ion Ratio Lower Upper

164 100

162 101.0 81.9 122.9

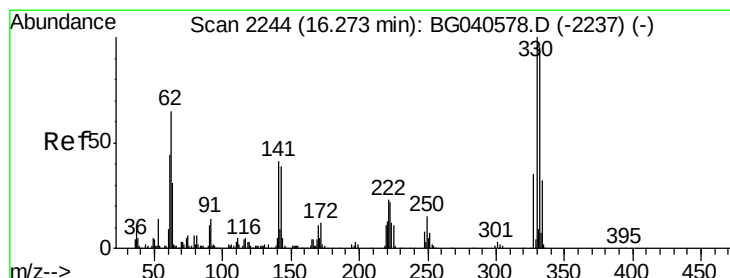
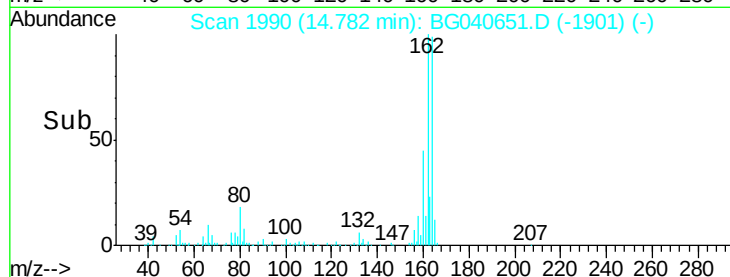
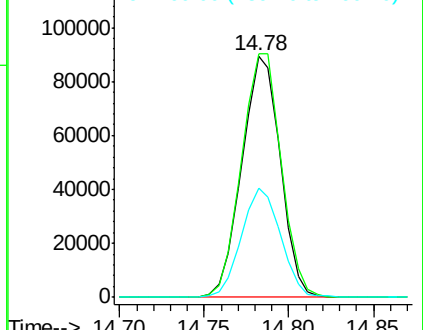
160 45.1 35.4 53.2



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: 156.902 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

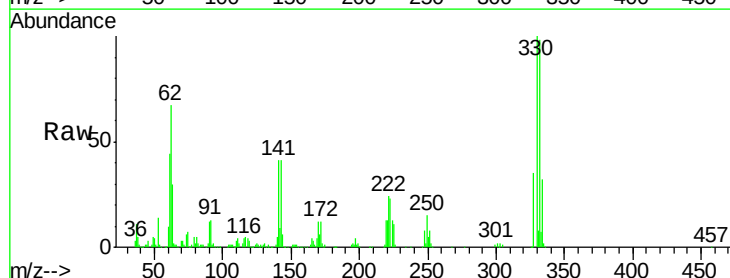
Tgt Ion:330 Resp: 304502

Ion Ratio Lower Upper

330 100

332 96.2 75.9 113.9

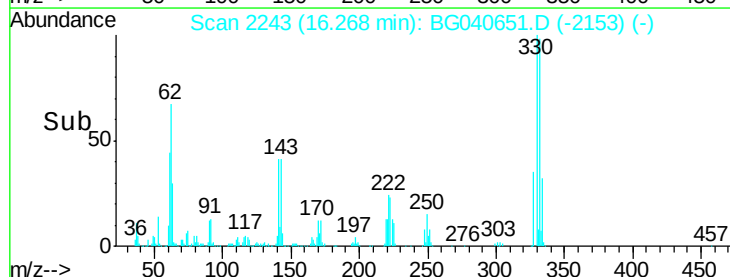
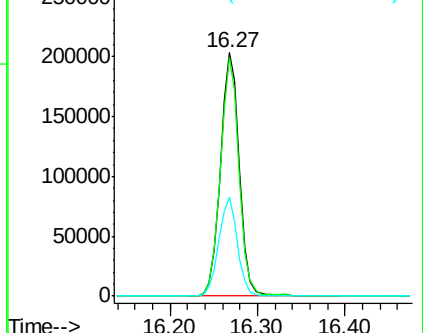
141 40.1 32.4 48.6

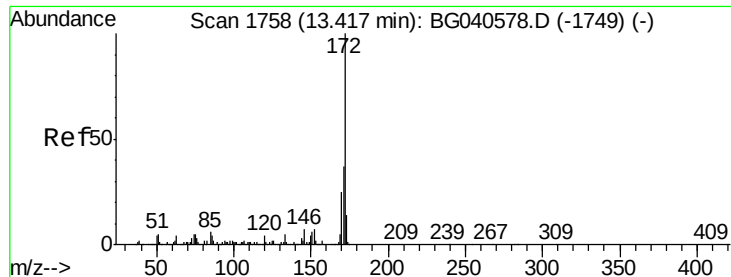


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

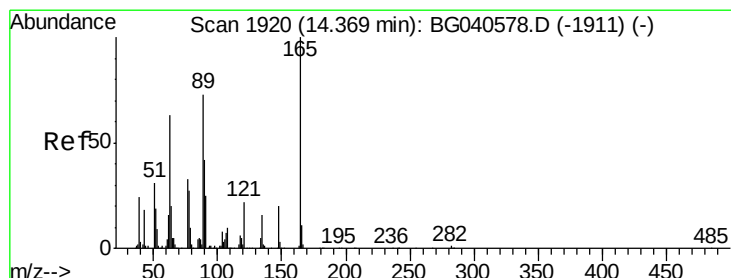
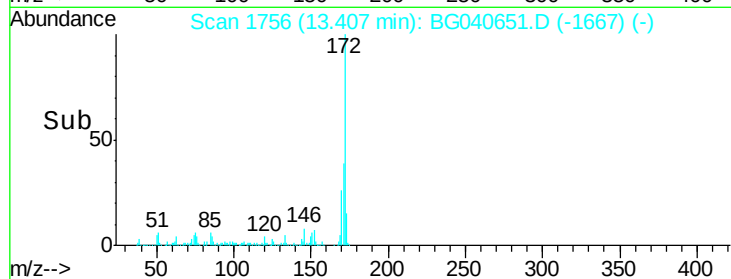
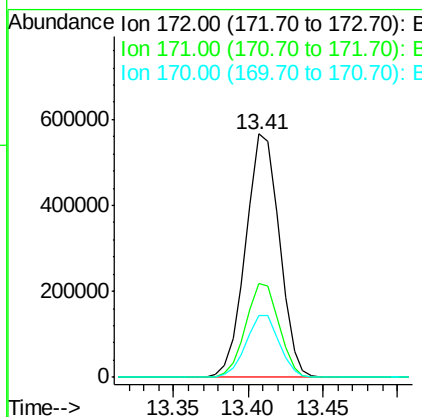
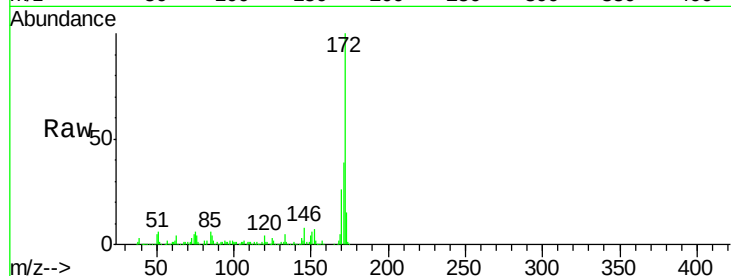




#45
2-Fluorobiphenyl
Concen: 90.434 ng
RT: 13.41 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

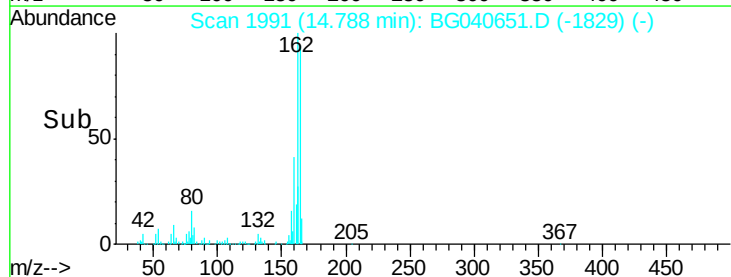
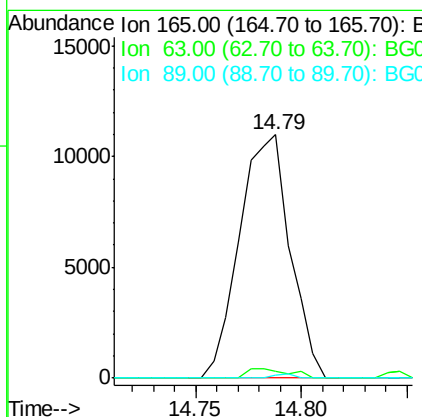
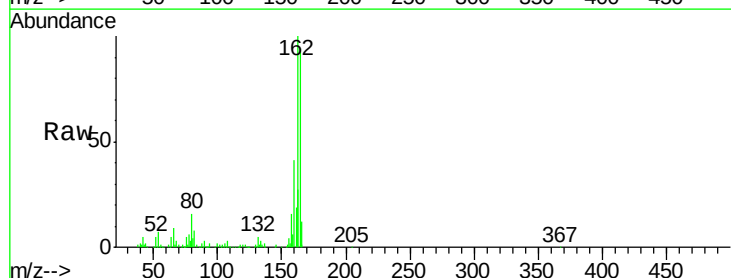
Instrument :
BNA_G
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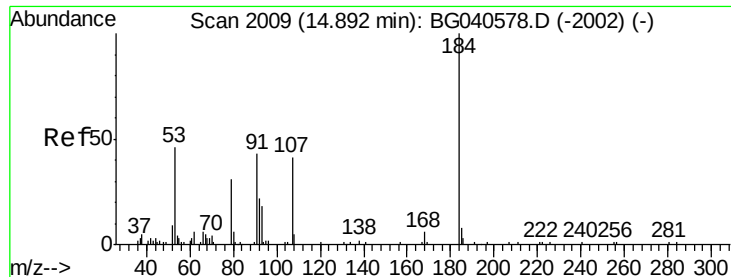
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	25.5	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 7.897 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.8	61.0	91.4#
89	1.5	58.6	87.8#

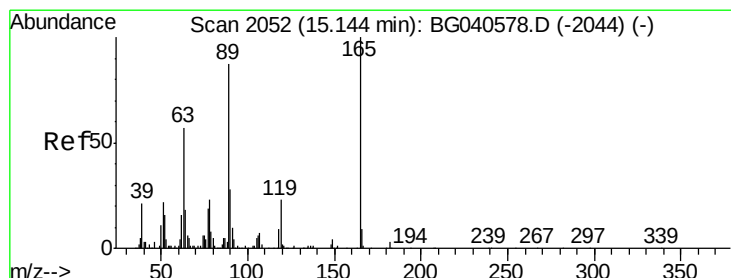
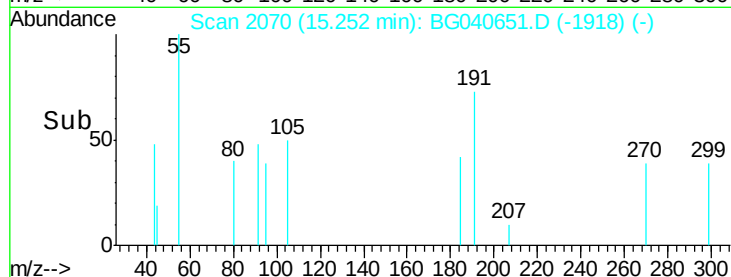
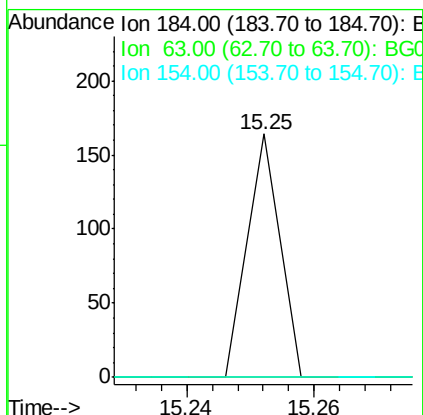
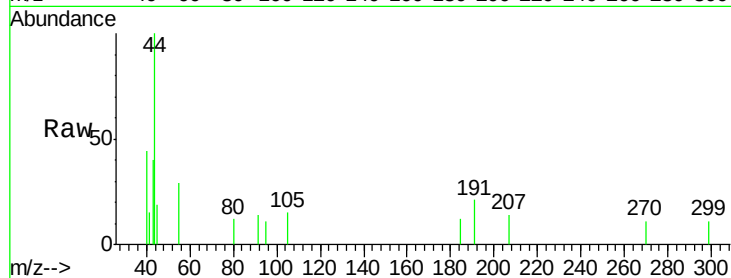




#54
2,4-Dinitrophenol
Concen: 7.055 ng
RT: 15.25 min Scan# 2070
Delta R.T. 0.36 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

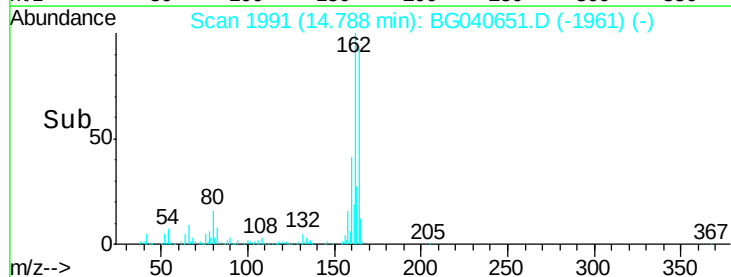
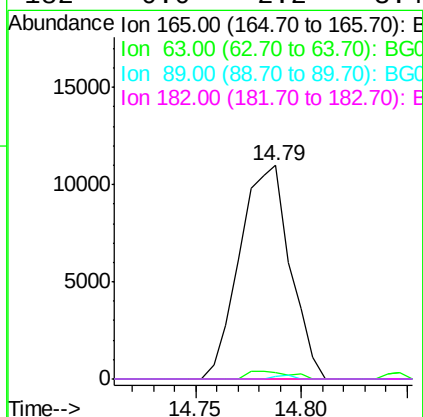
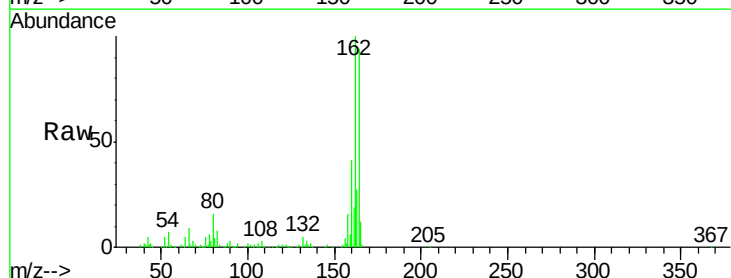
Instrument :
BNA_G
ClientSampleId :

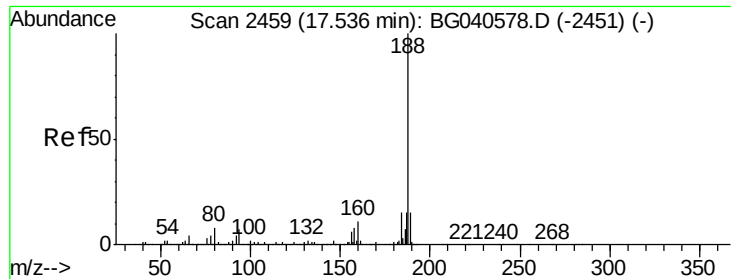
Tot Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.812 ng
RT: 14.79 min Scan# 1991
Delta R.T. -0.36 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Tgt Ion:165 Resp: 18208
Ion Ratio Lower Upper
165 100
63 2.8 45.8 68.8#
89 1.5 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Instrument :

BNA_G

ClientSampleId :

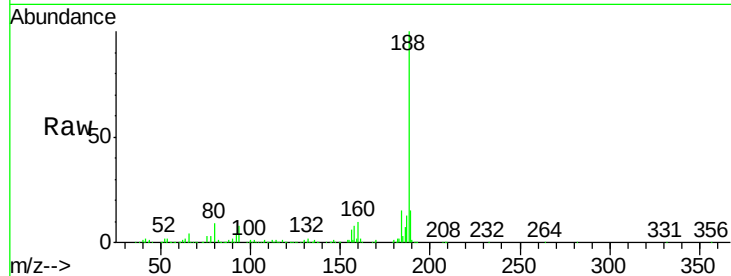
Tot Ion:188 Resp: 388313

Ion Ratio Lower Upper

188 100

94 8.0 5.6 8.4

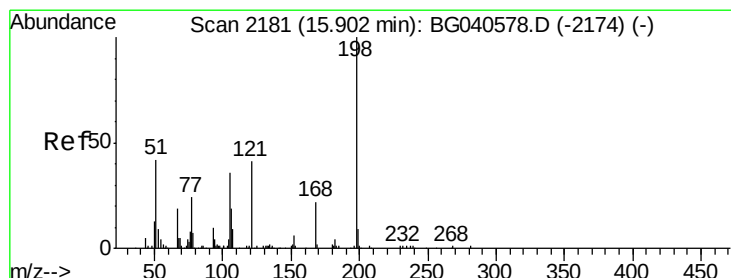
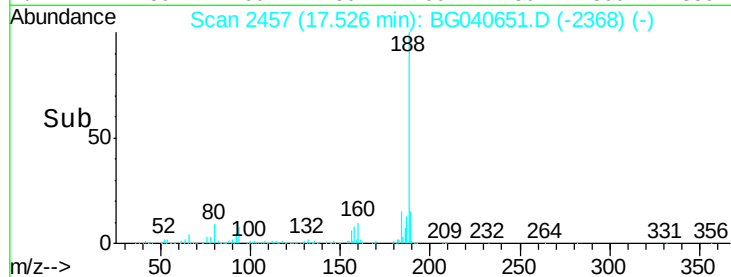
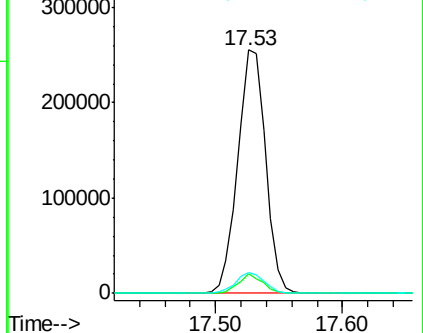
80 8.6 6.4 9.6



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: 7.688 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

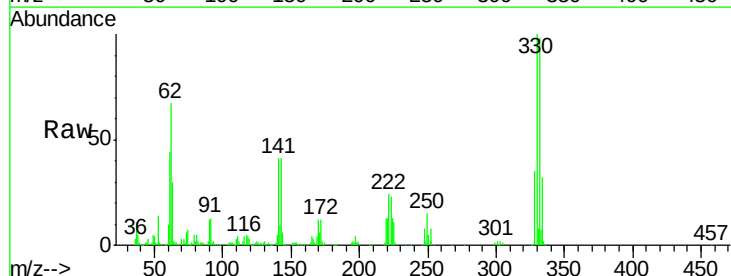
Tgt Ion:198 Resp: 1318

Ion Ratio Lower Upper

198 100

51 187.8 35.9 75.9#

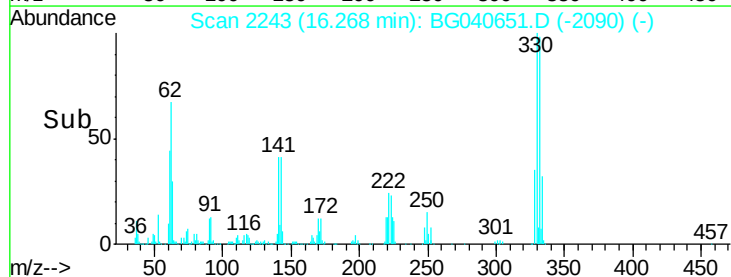
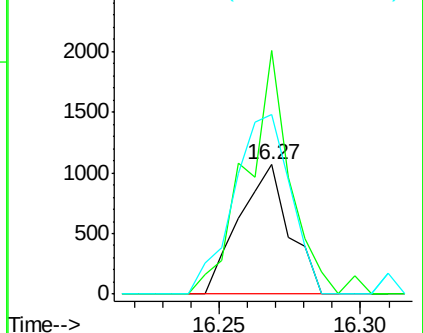
105 138.9 21.2 61.2#

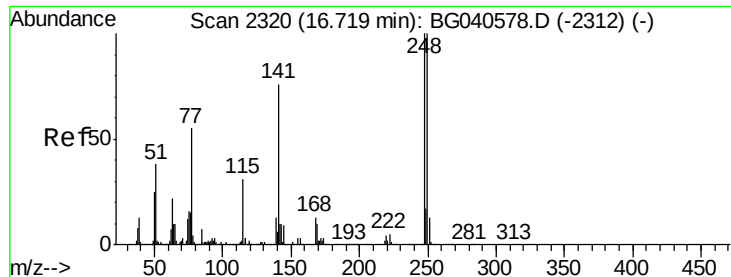


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.718 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Instrument :

BNA_G

ClientSampleId :

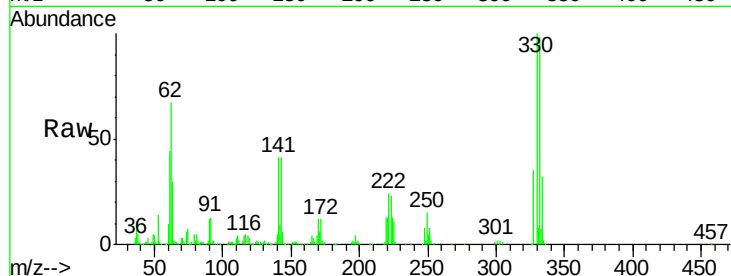
Tot Ion:248 Resp: 22827

Ion Ratio Lower Upper

248 100

250 147.1 79.8 119.6#

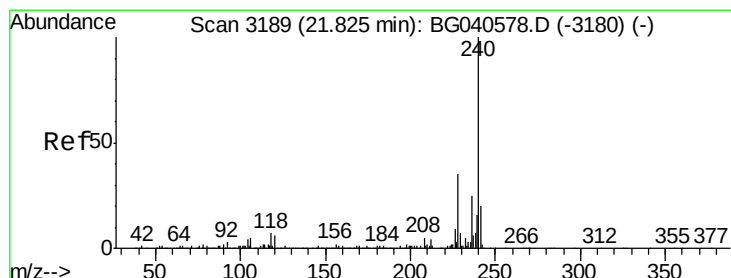
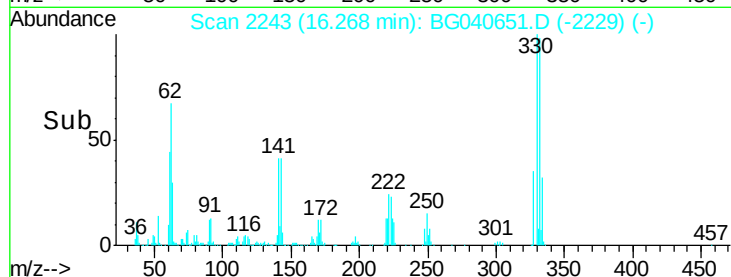
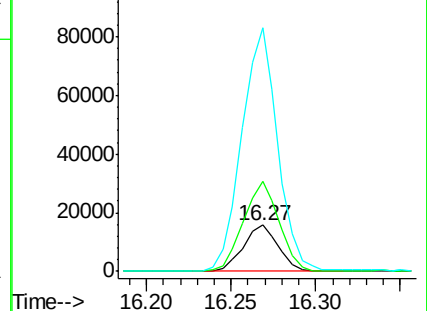
141 400.4 60.8 91.2#



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: BG040651.D

Acq: 27 Apr 2019 6:04

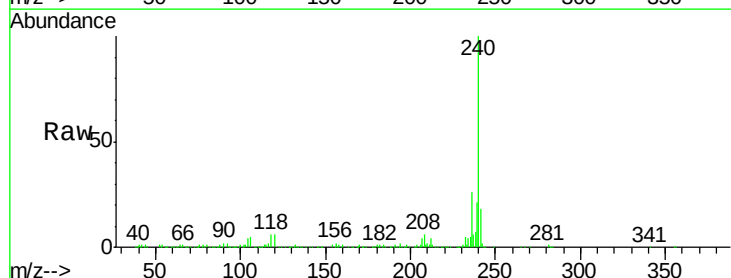
Tgt Ion:240 Resp: 396283

Ion Ratio Lower Upper

240 100

120 6.4 5.0 7.6

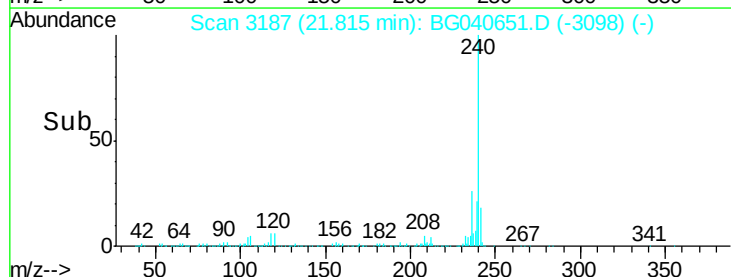
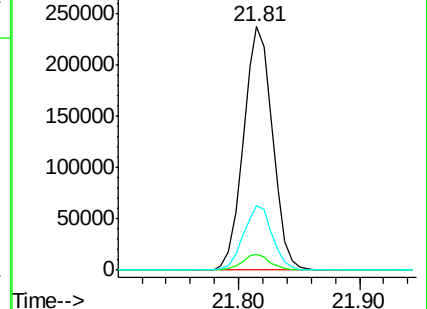
236 26.3 20.3 30.5

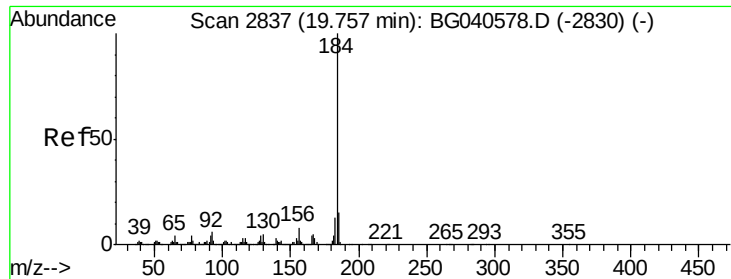


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.417 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

Instrument :

BNA_G

ClientSampleId :

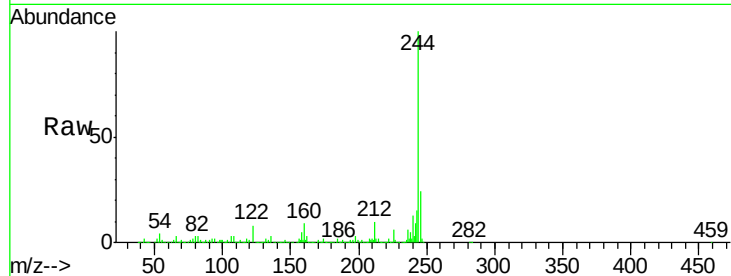
Tot Ion:184 Resp: 37078

Ion Ratio Lower Upper

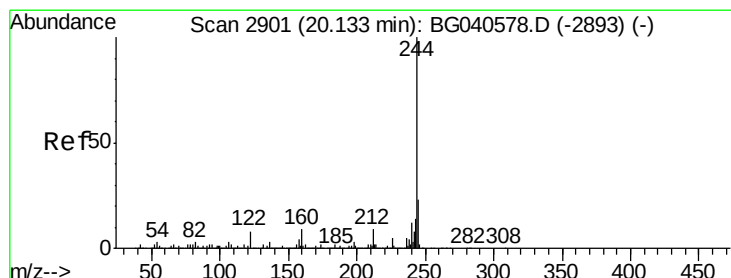
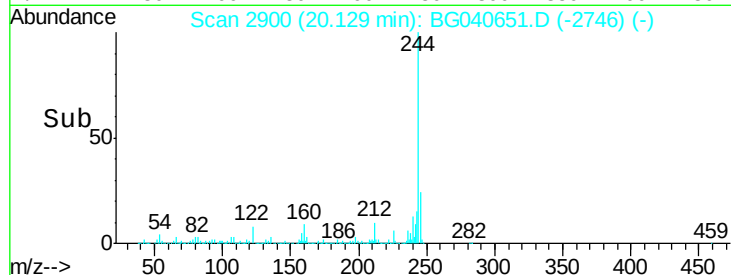
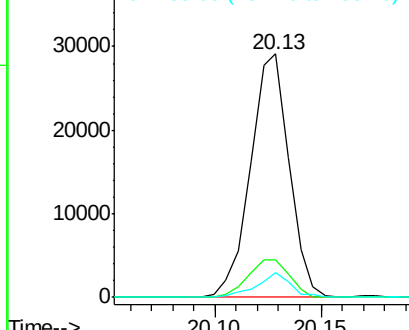
184 100

185 15.6 11.8 17.8

183 10.0 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: 103.454 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040651.D

Acq: 27 Apr 2019 6:04

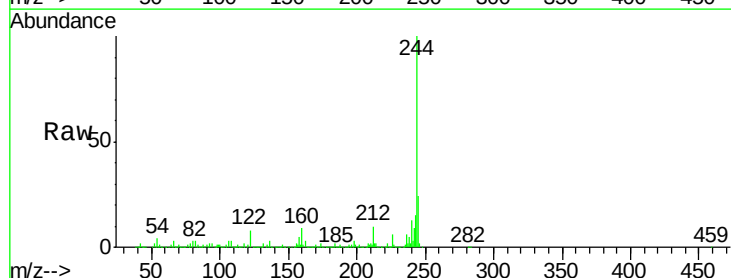
Tgt Ion:244 Resp: 1850524

Ion Ratio Lower Upper

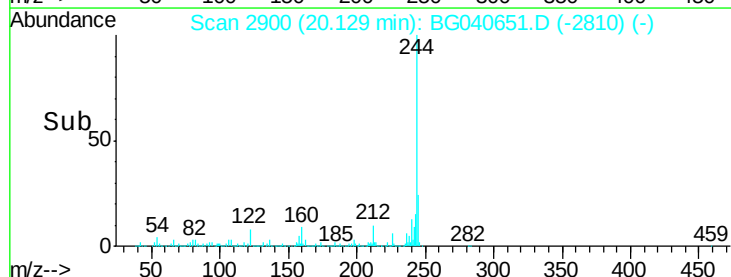
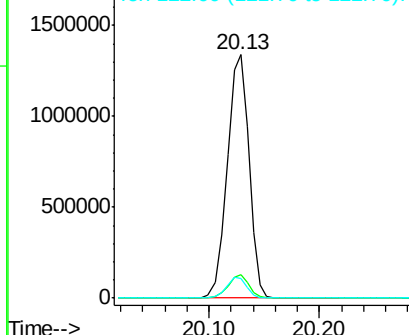
244 100

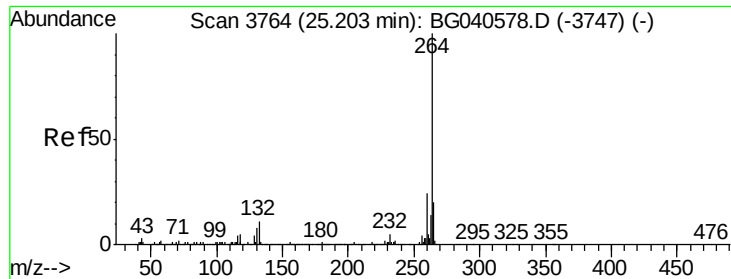
212 9.8 7.2 10.8

122 8.2 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

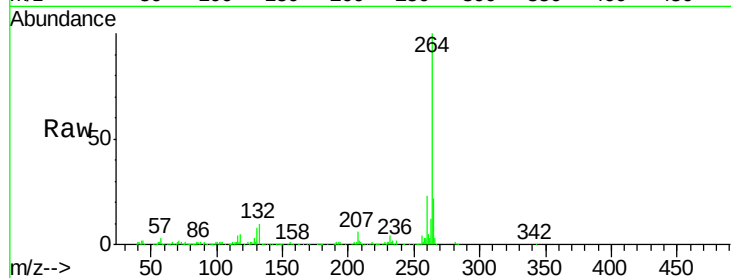




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG040651.D
Acq: 27 Apr 2019 6:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	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

