

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040624.D
 Acq On : 26 Apr 2019 11:48
 Operator : JU/SJ
 Sample : PB119170BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:01:42 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

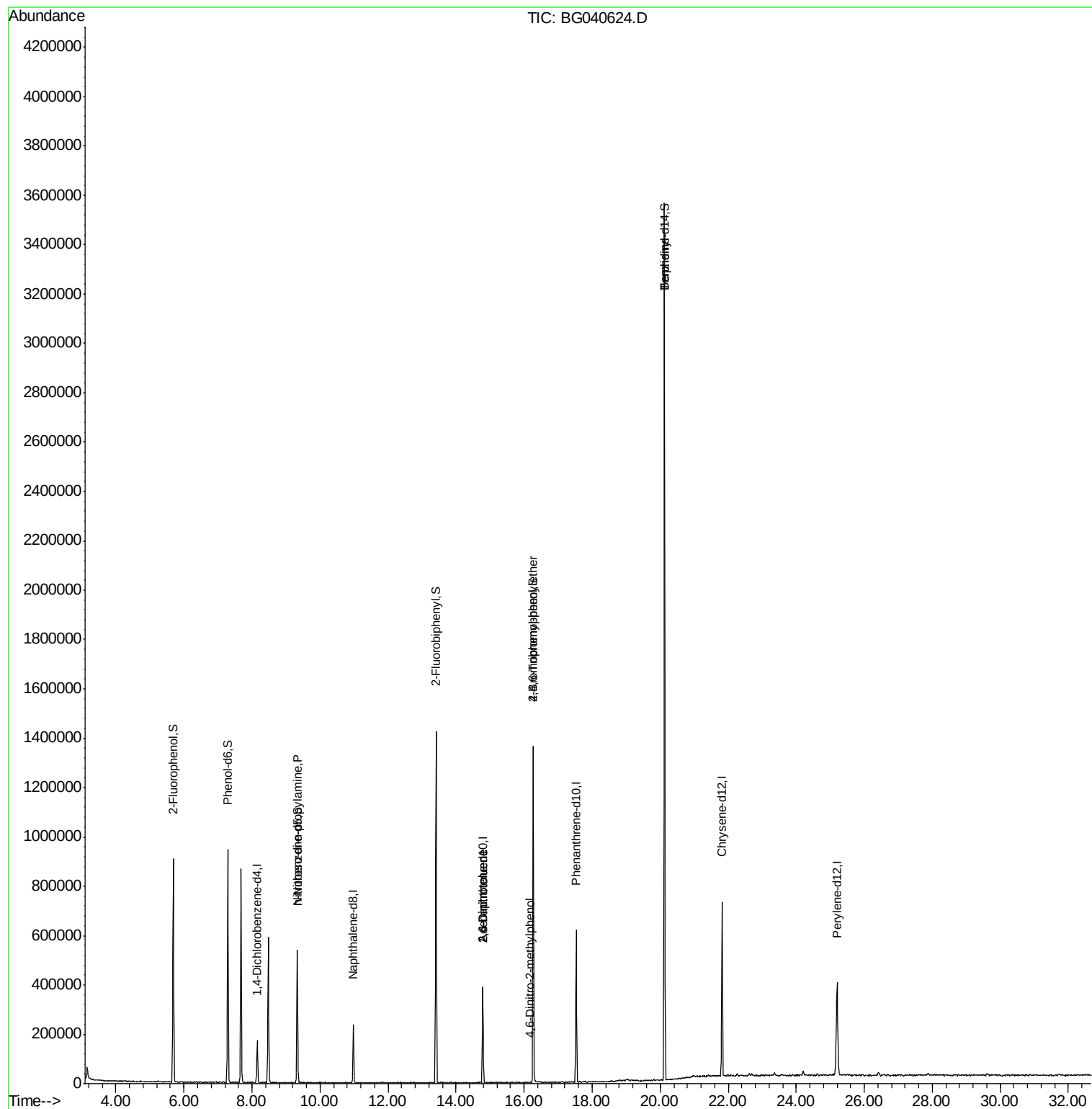
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41737	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	170247	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	123604	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	354601	20.00	ng	0.00
76) Chrysene-d12	21.82	240	403715	20.00	ng	0.00
87) Perylene-d12	25.20	264	419398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	309747	130.82	ng	0.00
7) Phenol-d6	7.29	99	455787	125.02	ng	0.00
23) Nitrobenzene-d5	9.33	82	309501	84.00	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	222875	131.18	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	665221	77.72	ng	0.00
79) Terphenyl-d14	20.13	244	1520188	83.42	ng	0.00
Target Compounds						
9) Benzaldehyde	7.30	77	1125	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	45590	13.892	ng	# 79
51) 2,6-Dinitrotoluene	14.79	165	16236	8.044	ng	# 15
57) 2,4-Dinitrotoluene	14.79	165	16236	5.920	ng	# 17
65) 4,6-Dinitro-2-methylphenol	16.17	198	54	7.128	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	17067	3.863	ng	# 1
77) Benizidine	20.13	184	30529	2.762	ng	# 91

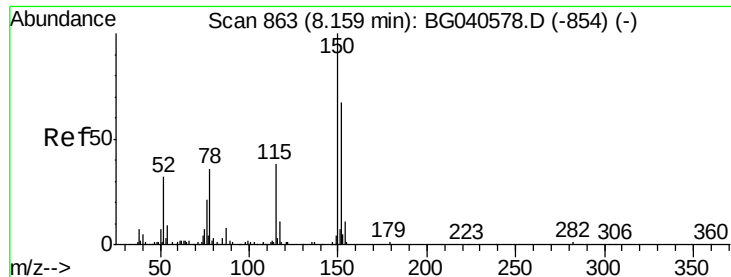
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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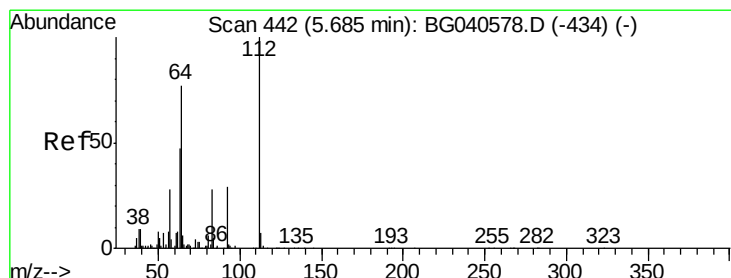
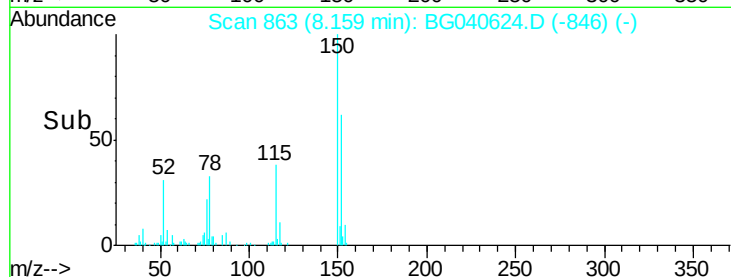
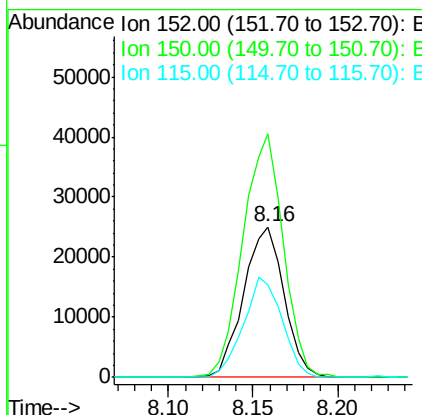
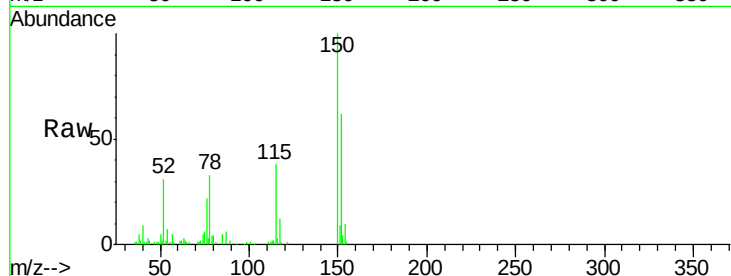


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

Instrument :
BNA_G
ClientSampleId :

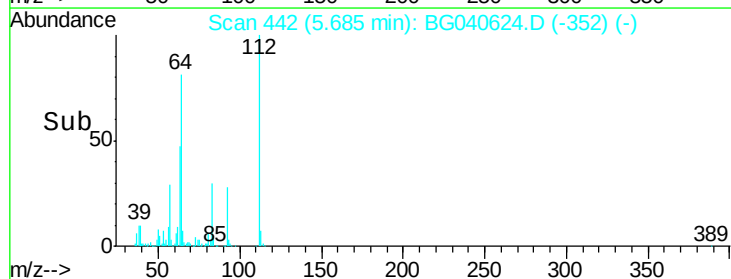
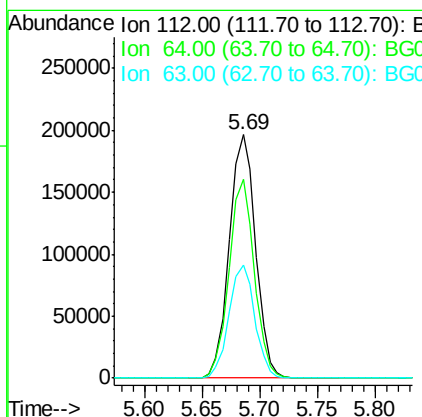
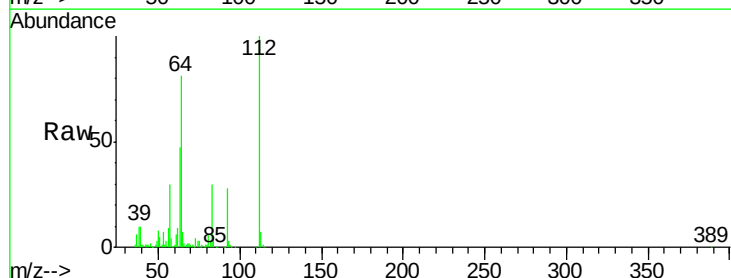
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	120.2	180.2
115	61.6	46.2	69.2

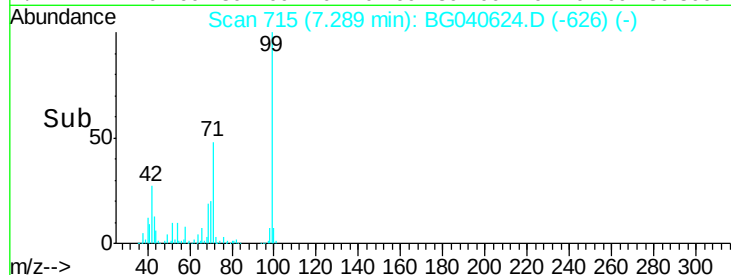
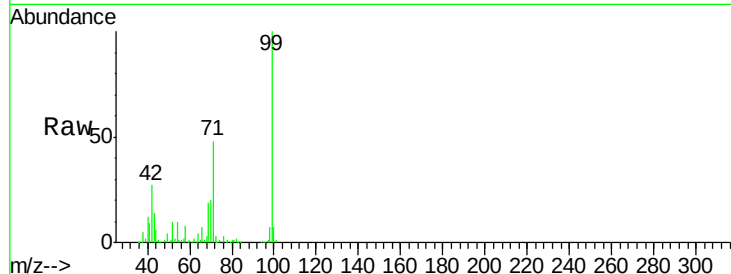
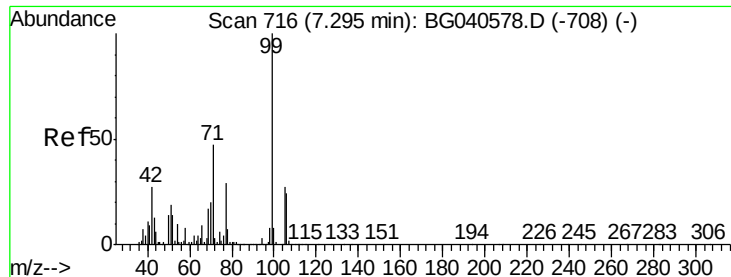


#5

2-Fluorophenol
Concen: 130.822 ng
RT: 5.69 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	81.5	61.4	92.0
63	46.6	37.8	56.6





#7

Phenol-d6

Concen: 125.024 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

Instrument :

BNA_G

ClientSampleId :

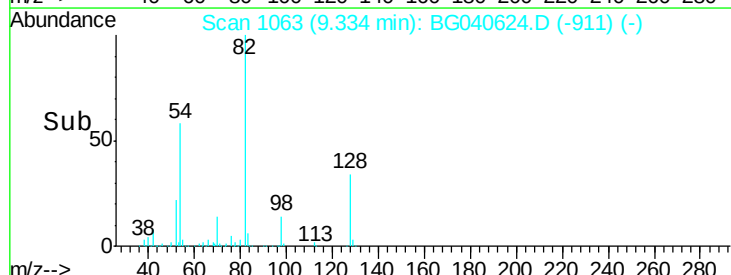
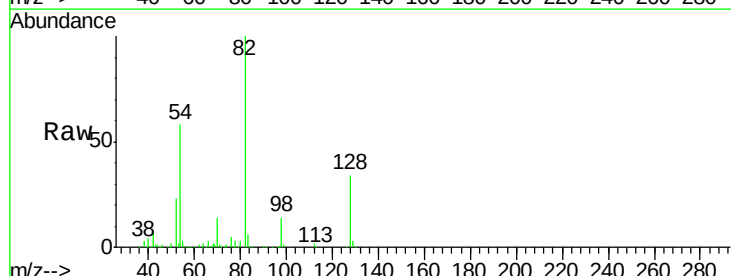
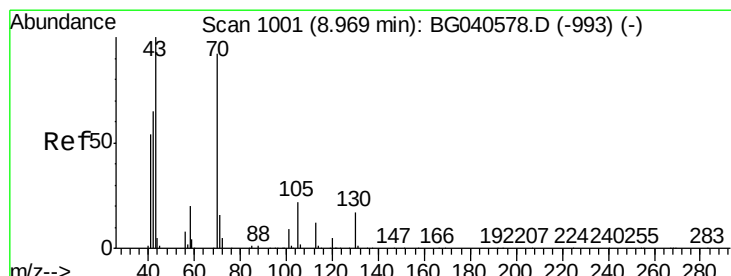
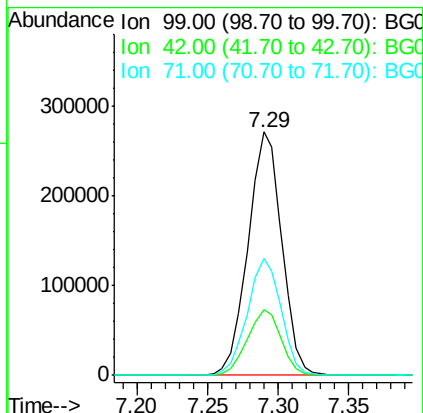
Tot Ion: 99 Resp: 455787

Ion Ratio Lower Upper

99 100

42 26.9 21.8 32.8

71 47.9 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.892 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

Tgt Ion: 70 Resp: 45590

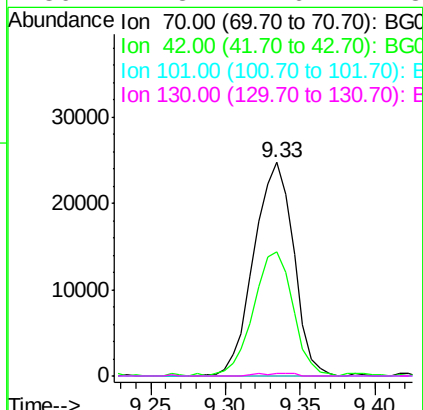
Ion Ratio Lower Upper

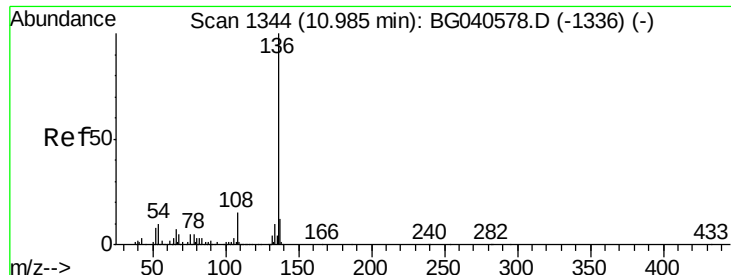
70 100

42 58.4 57.1 85.7

101 0.0 7.8 11.8#

130 1.3 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: BG040624.D

Acq: 26 Apr 2019 11:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 170247

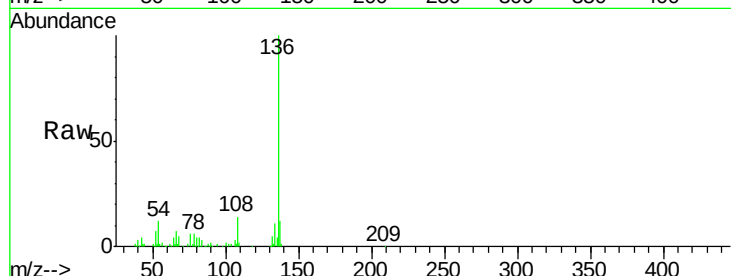
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 11.7 8.6 12.8

68 5.4 4.8 7.2

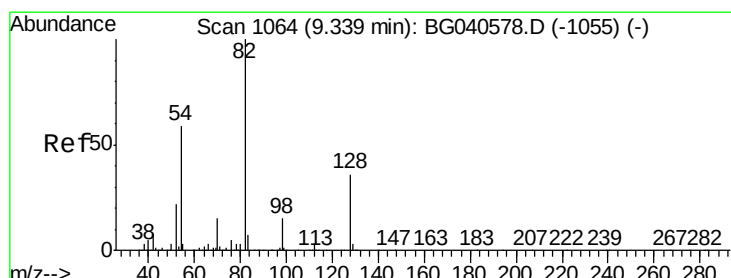
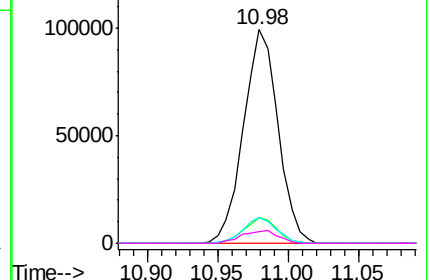
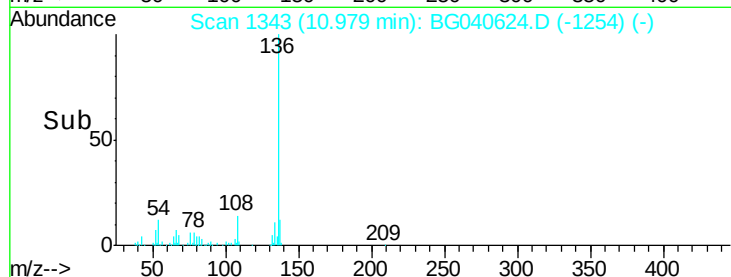


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.001 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

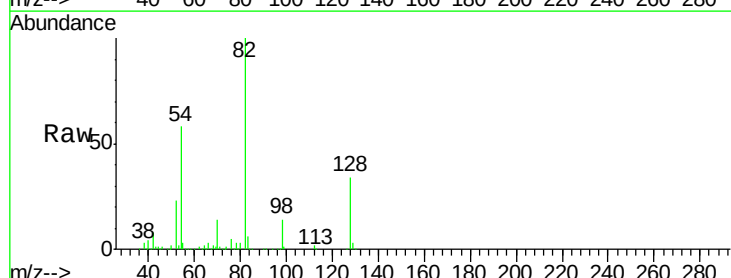
Tgt Ion: 82 Resp: 309501

Ion Ratio Lower Upper

82 100

128 34.2 28.9 43.3

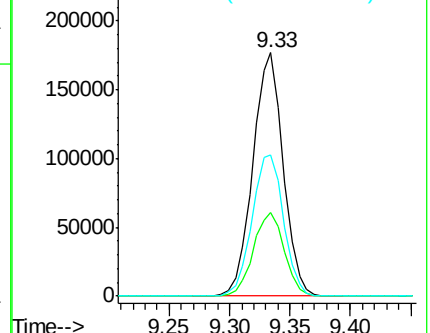
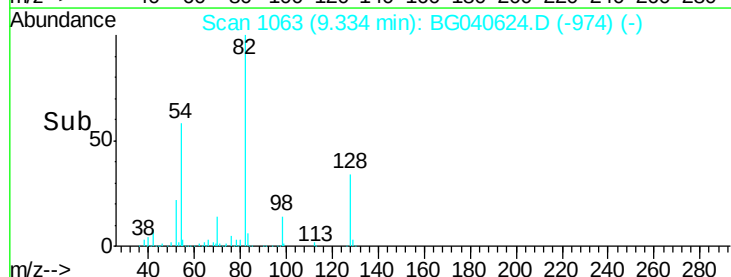
54 58.0 47.2 70.8

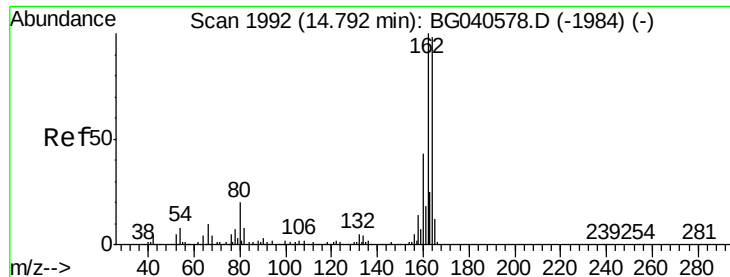


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG040624.D

Acq: 26 Apr 2019 11:48

Instrument :

BNA_G

ClientSampleId :

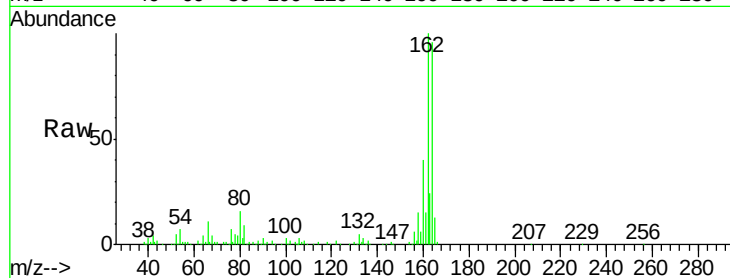
Tot Ion:164 Resp: 123604

Ion Ratio Lower Upper

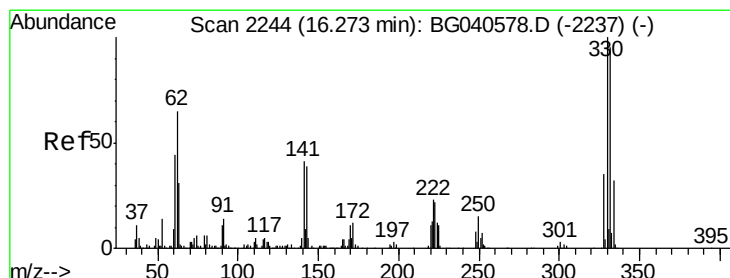
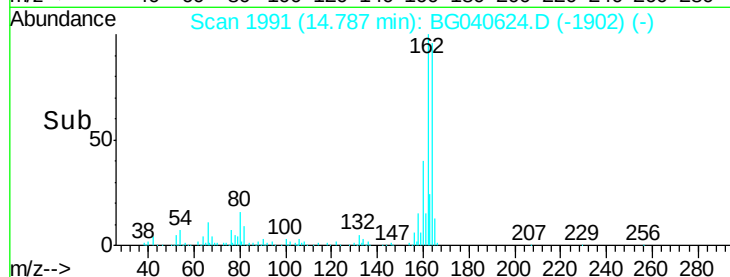
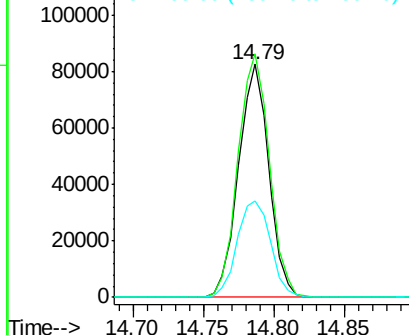
164 100

162 104.5 81.9 122.9

160 41.3 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: 131.183 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

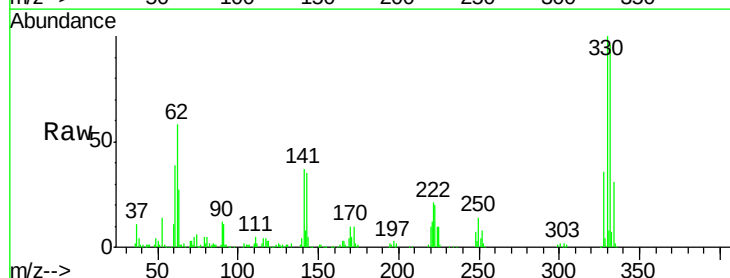
Tgt Ion:330 Resp: 222875

Ion Ratio Lower Upper

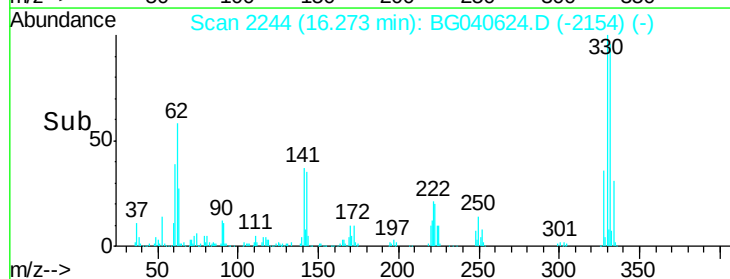
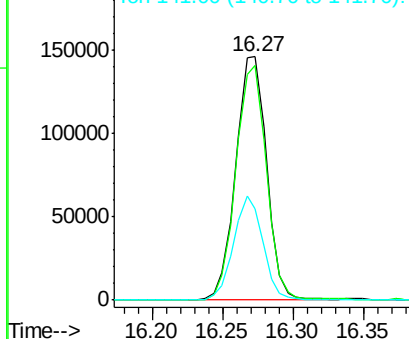
330 100

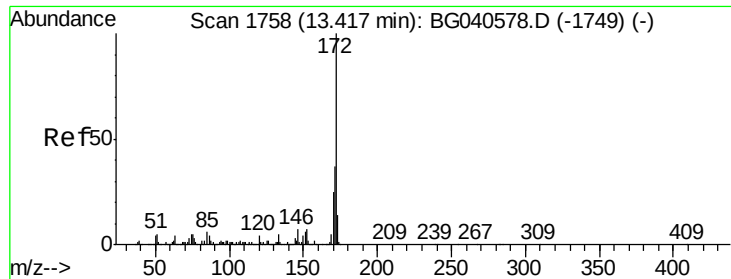
332 95.8 75.9 113.9

141 40.8 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

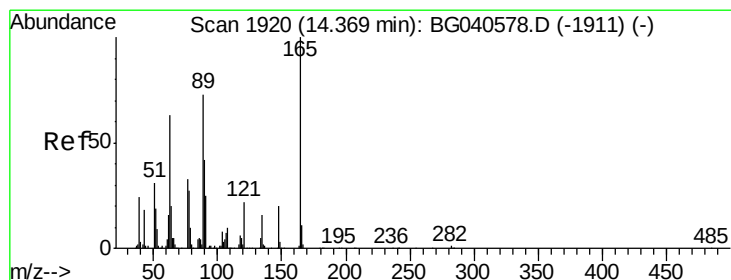
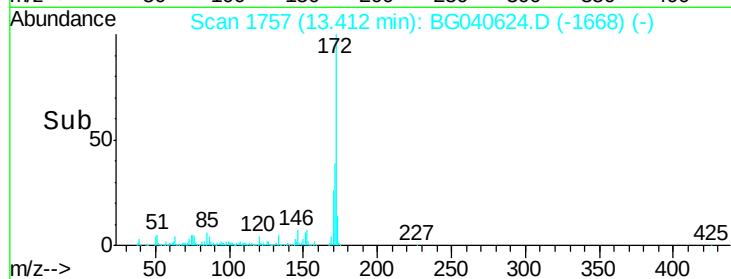
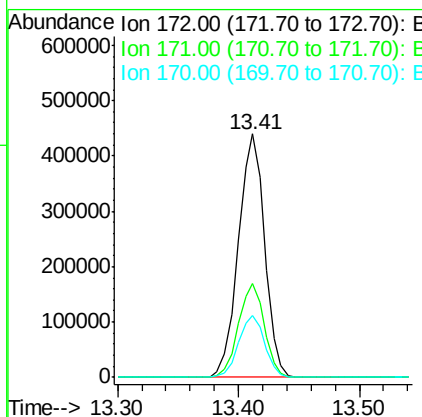
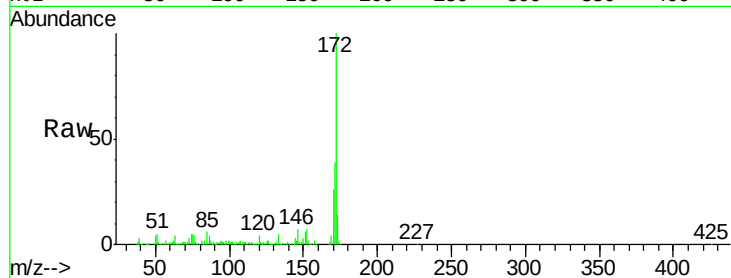




#45
2-Fluorobiphenyl
Concen: 77.725 ng
RT: 13.41 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

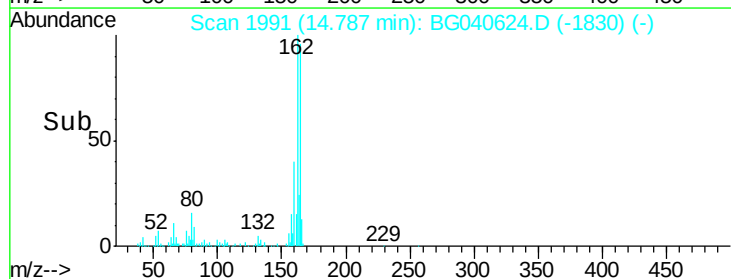
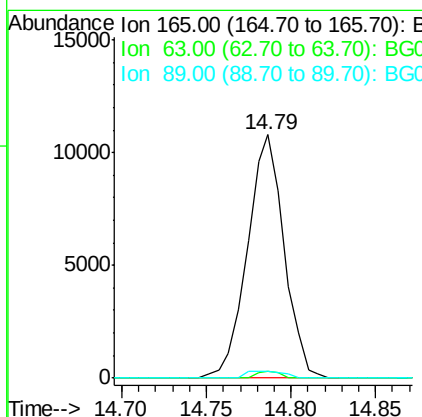
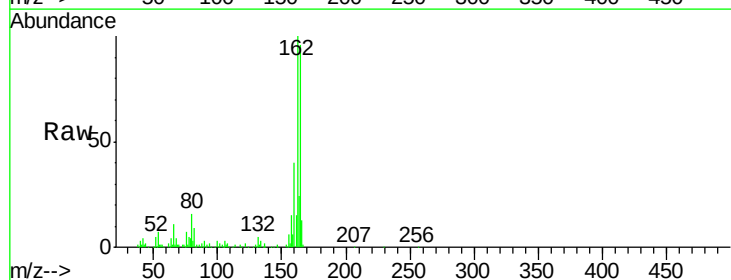
Instrument :
BNA_G
ClientSampled :

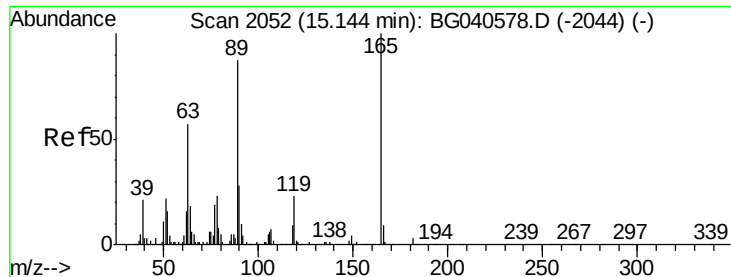
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	29.4	44.2
170	25.5	19.9	29.9



#51
2,6-Dinitrotoluene
Concen: 8.044 ng
RT: 14.79 min Scan# 1991
Delta R.T. 0.42 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	61.0	91.4#
89	3.0	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.920 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 16236

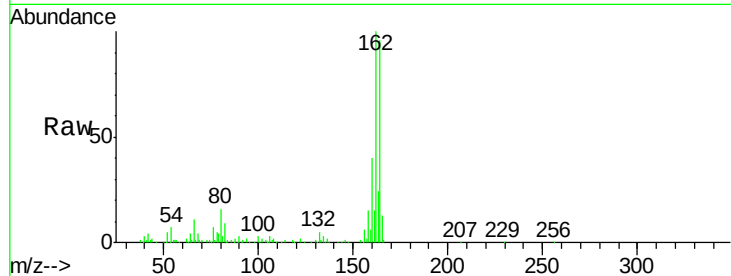
Ion Ratio Lower Upper

165 100

63 2.5 45.8 68.8#

89 3.0 69.4 104.2#

182 0.0 2.2 3.4#

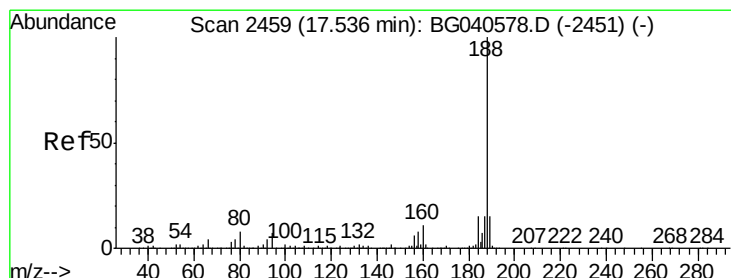
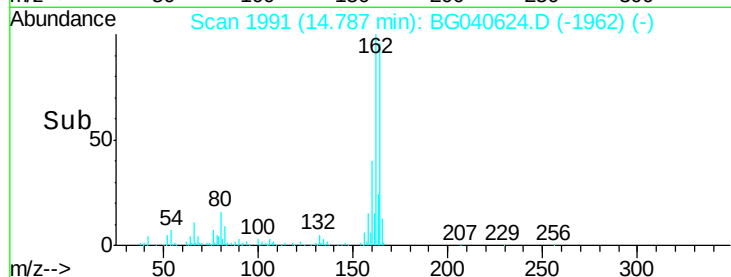
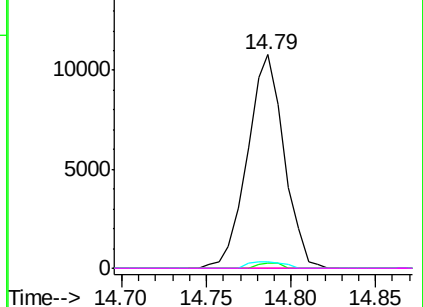


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG040624.D

Acq: 26 Apr 2019 11:48

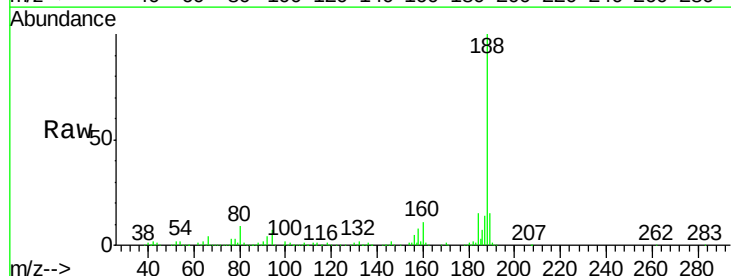
Tgt Ion:188 Resp: 354601

Ion Ratio Lower Upper

188 100

94 6.9 5.6 8.4

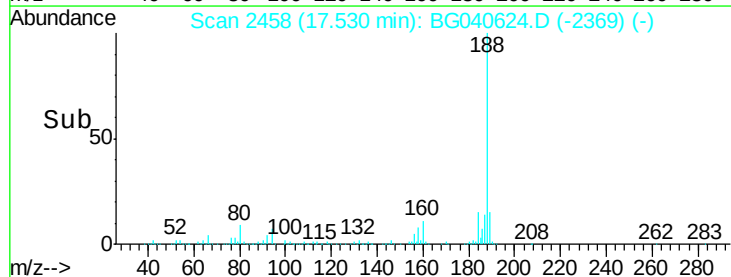
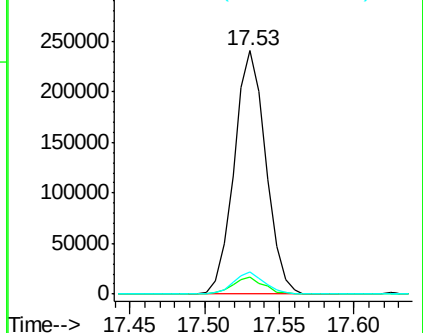
80 9.0 6.4 9.6

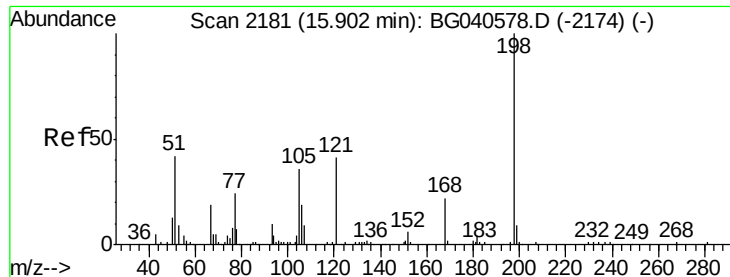


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

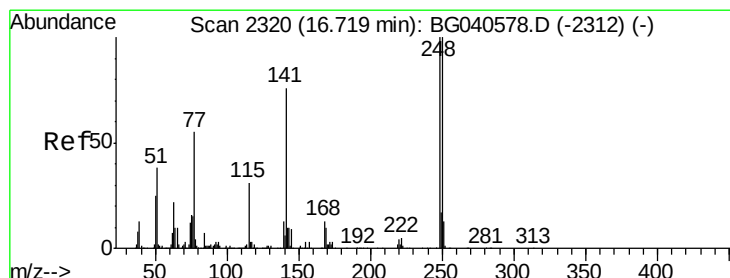
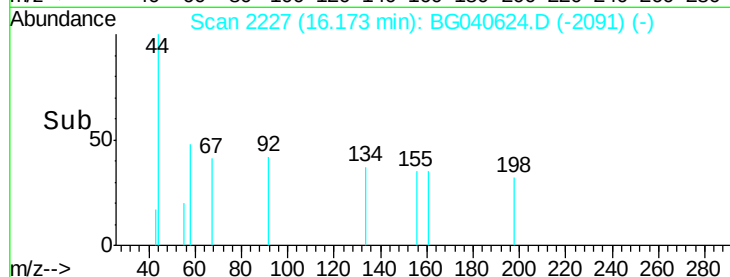
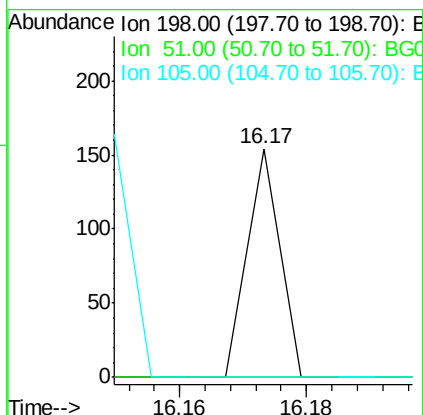
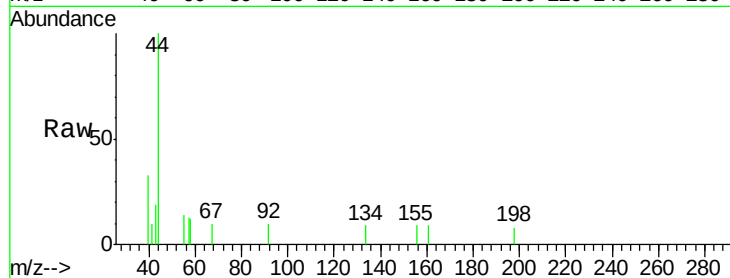




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.128 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. 0.27 min
 Lab File: BG040624.D
 Acq: 26 Apr 2019 11:48

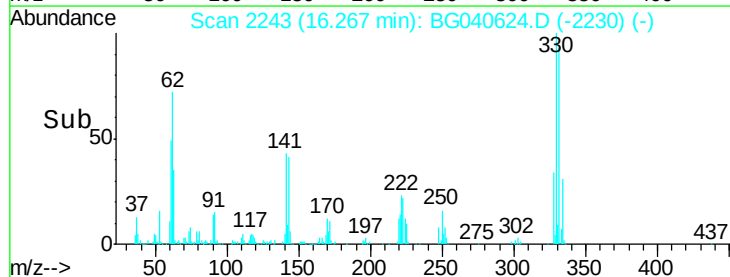
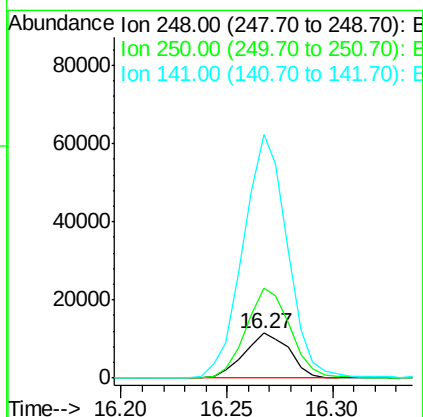
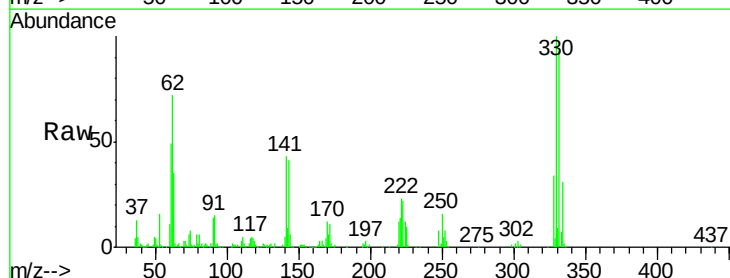
Instrument :
 BNA_G
 ClientSampled :

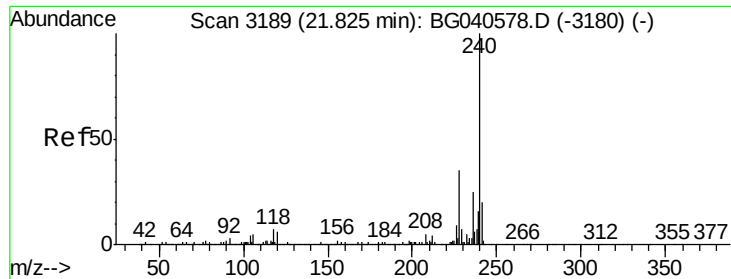
Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	35.9	75.9#
105	0.0	21.2	61.2#



#67
 4-Bromophenyl-phenylether
 Concen: 3.863 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG040624.D
 Acq: 26 Apr 2019 11:48

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.0	79.8	119.6#
141	541.3	60.8	91.2#

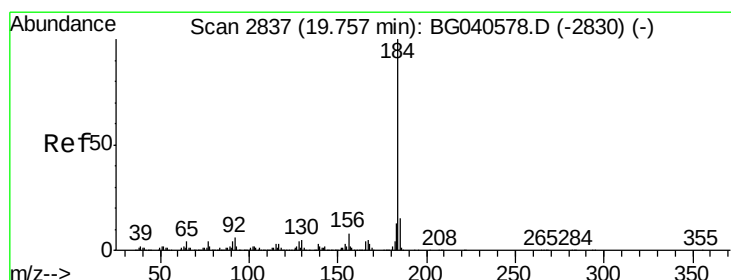
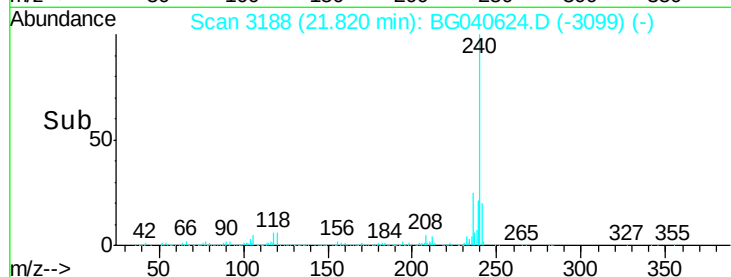
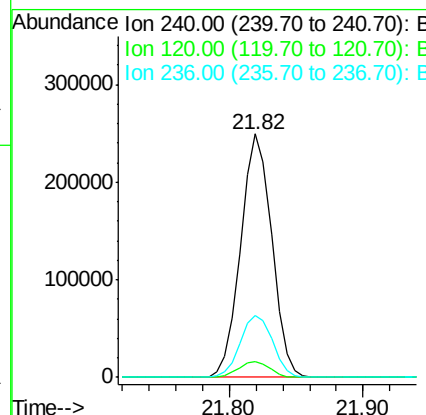
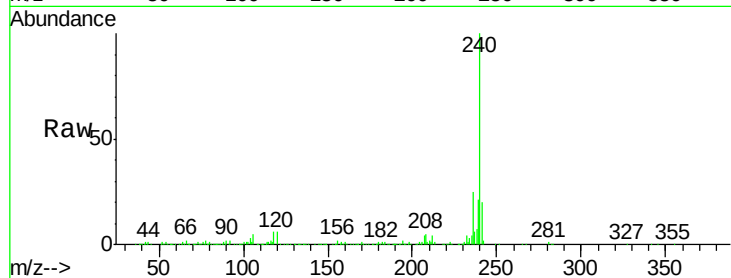




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

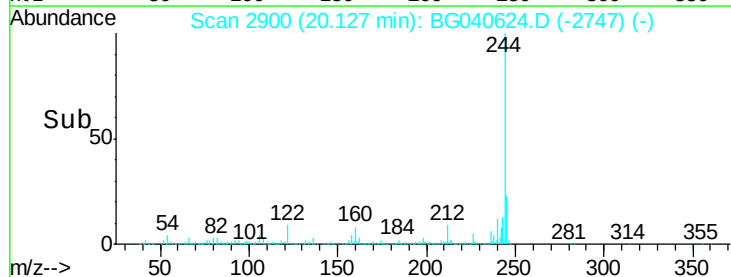
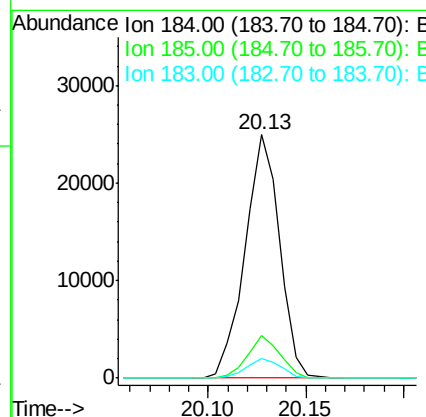
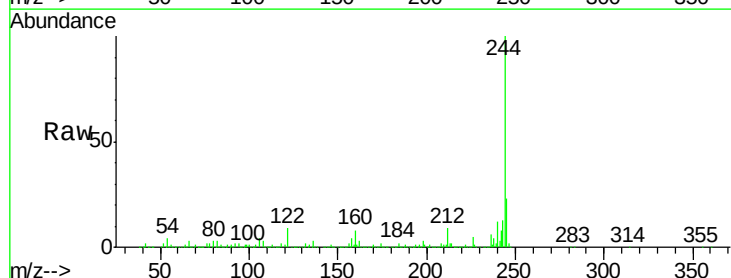
Instrument :
BNA_G
ClientSampleId :

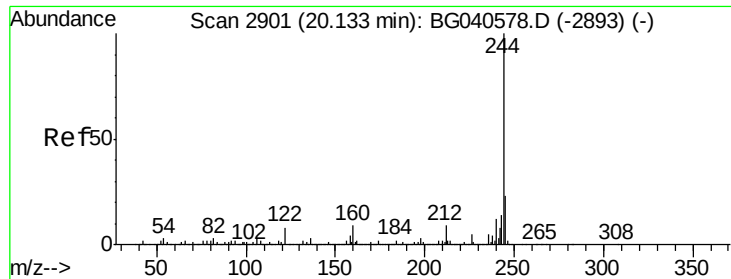
Tot Ion:240 Resp: 403715
Ion Ratio Lower Upper
240 100
120 6.5 5.0 7.6
236 25.4 20.3 30.5



#77
Benzidine
Concen: 2.762 ng
RT: 20.13 min Scan# 2900
Delta R.T. 0.37 min
Lab File: BG040624.D
Acq: 26 Apr 2019 11:48

Tgt Ion:184 Resp: 30529
Ion Ratio Lower Upper
184 100
185 17.4 11.8 17.8
183 8.1 10.2 15.2#





#79

Terphenyl-d14

Concen: 83.422 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.01 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

Instrument :

BNA_G

ClientSampleId :

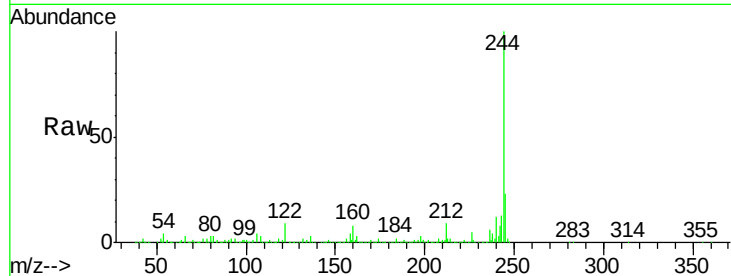
Tot Ion:244 Resp: 1520188

Ion Ratio Lower Upper

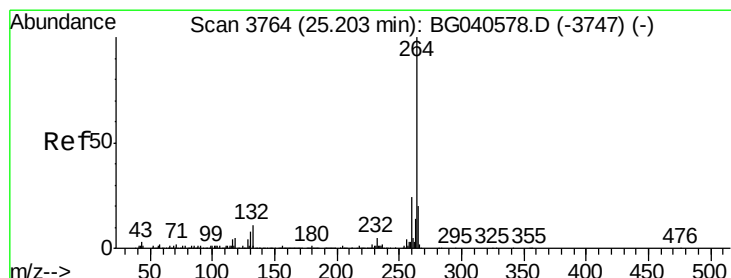
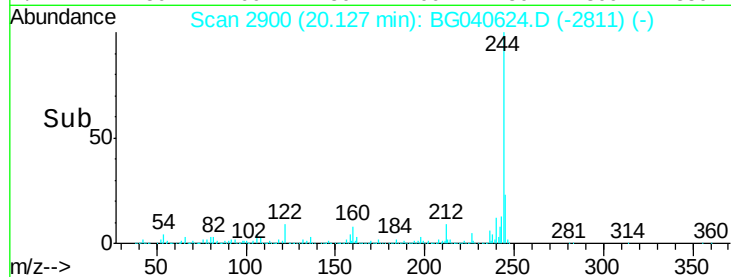
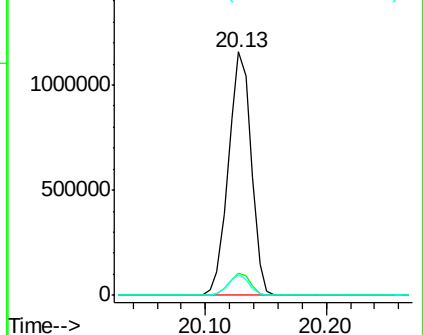
244 100

212 9.2 7.2 10.8

122 8.6 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: 25.20 min Scan# 3764

Delta R.T. 0.00 min

Lab File: BG040624.D

Acq: 26 Apr 2019 11:48

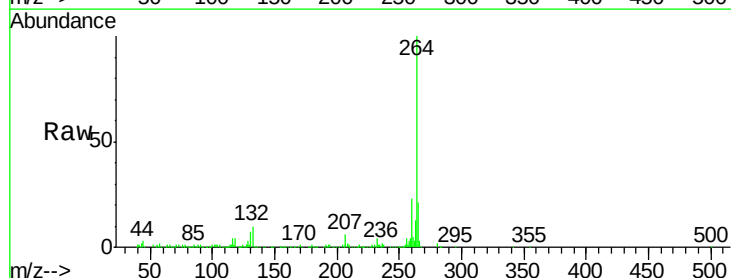
Tgt Ion:264 Resp: 419398

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 21.4 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

