

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040631.D
 Acq On : 26 Apr 2019 16:12
 Operator : JU/SJ
 Sample : K2535-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 02:03:20 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

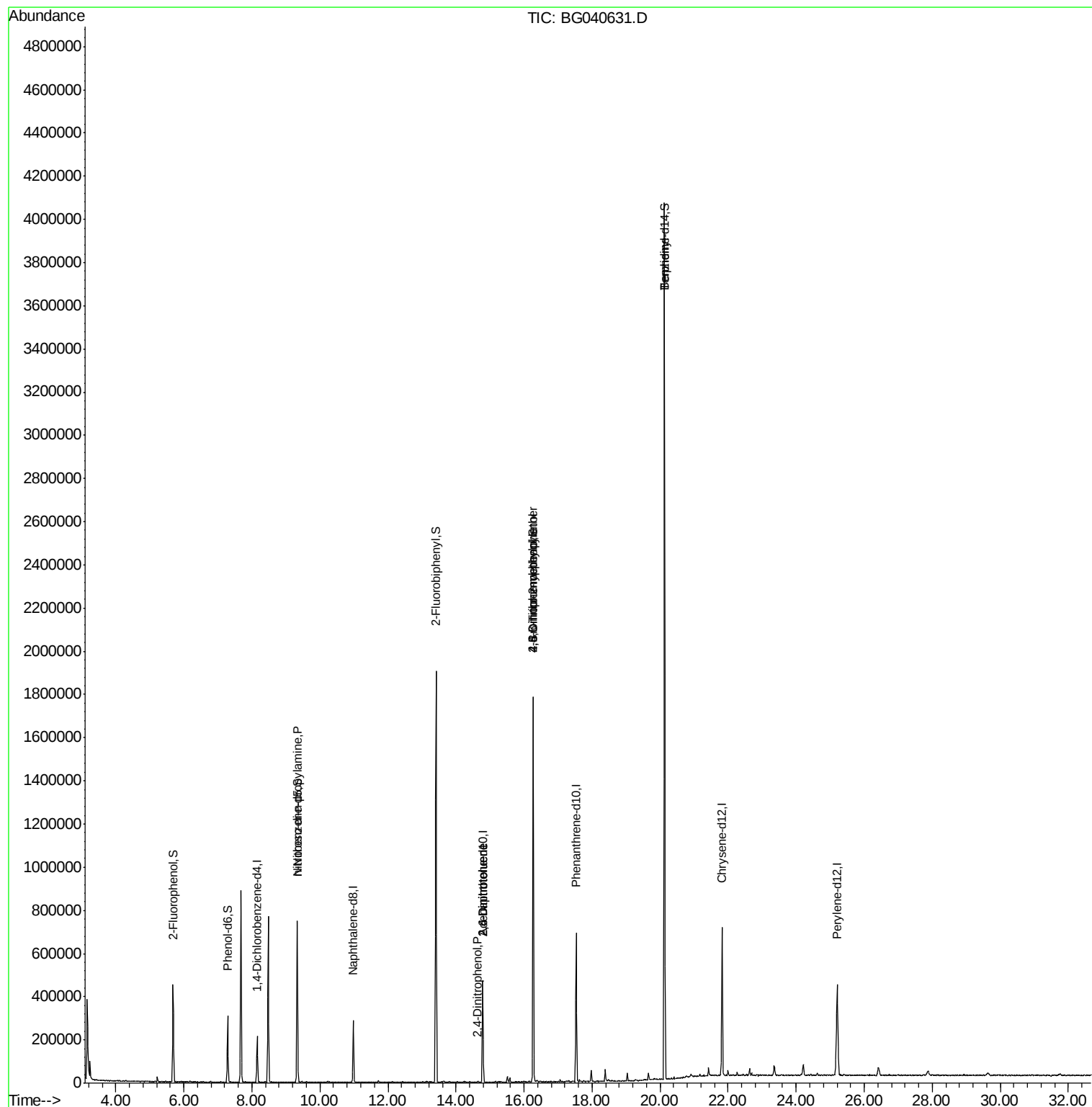
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	50119	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	212977	20.00	ng	0.00
39) Acenaphthene-d10	14.78	164	156932	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	407534	20.00	ng	0.00
76) Chrysene-d12	21.82	240	410540	20.00	ng	0.00
87) Perylene-d12	25.21	264	432623	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	161066	56.65	ng	0.00
7) Phenol-d6	7.29	99	148214	33.86	ng	0.00
23) Nitrobenzene-d5	9.34	82	429166	93.11	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	299571	138.88	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	911213	83.86	ng	0.00
79) Terphenyl-d14	20.13	244	1737944	93.79	ng	0.00
Target Compounds						
9) Benzaldehyde	7.29	77	781	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.34	70	65375	16.590	ng	# 44
51) 2,6-Dinitrotoluene	14.78	165	20556	8.022	ng	# 74
54) 2,4-Dinitrophenol	14.64	184	73	7.061	ng	# 15
57) 2,4-Dinitrotoluene	14.78	165	20556	5.903	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.27	198	1164	7.595	ng	# 16
67) 4-Bromophenyl-phenylether	16.27	248	21182	4.172	ng	# 70
77) Benzydine	20.13	184	35533	3.161	ng	# 1
						# 95

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

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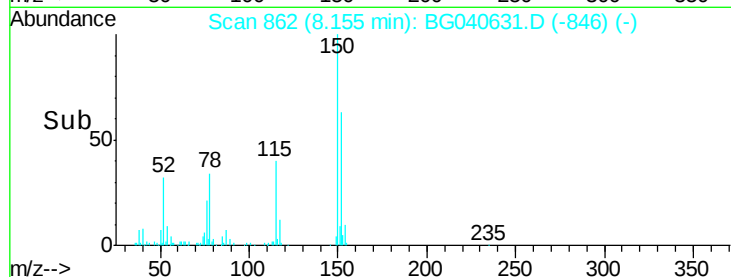
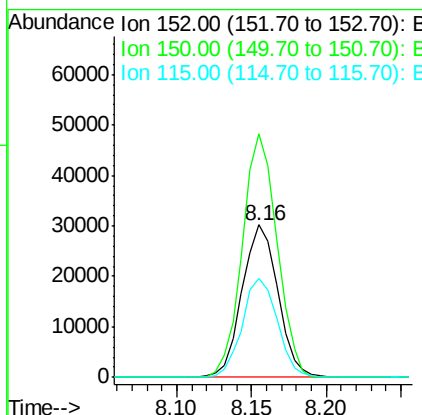
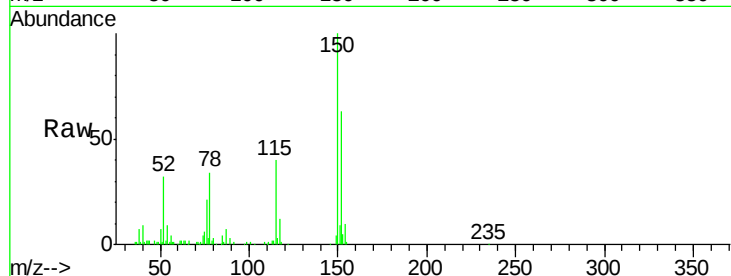


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Instrument :
BNA_G
ClientSampleId :

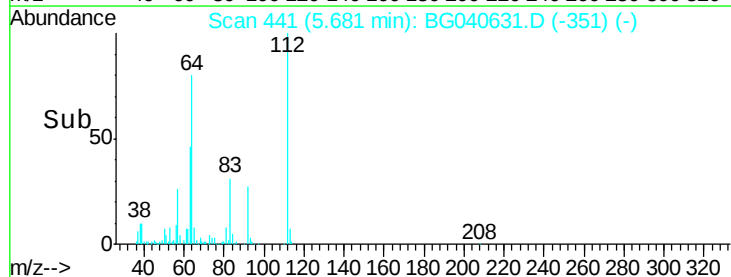
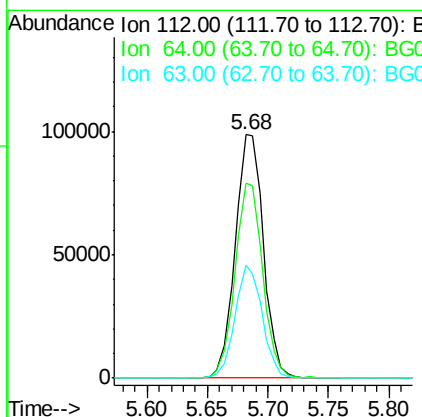
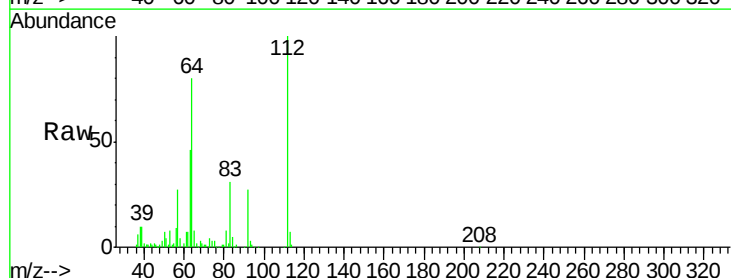
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	120.2	180.2
115	64.6	46.2	69.2

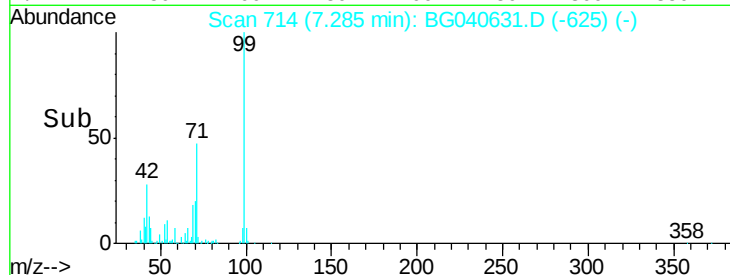
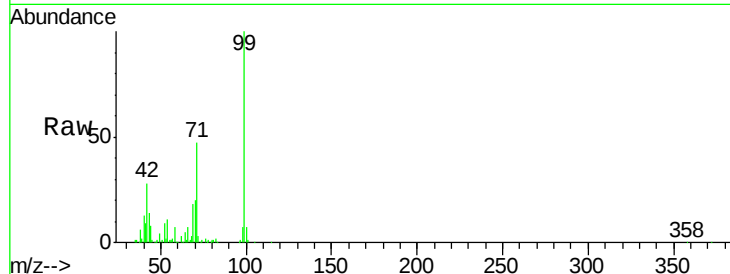
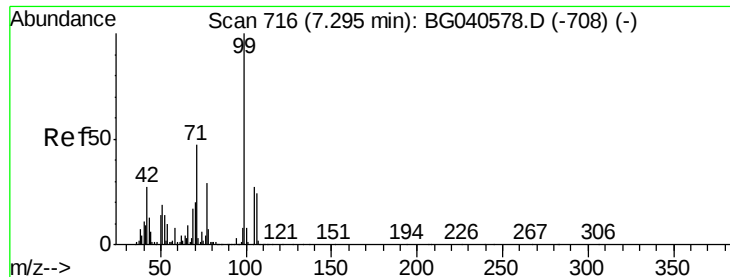


#5

2-Fluorophenol
Concen: 56.649 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

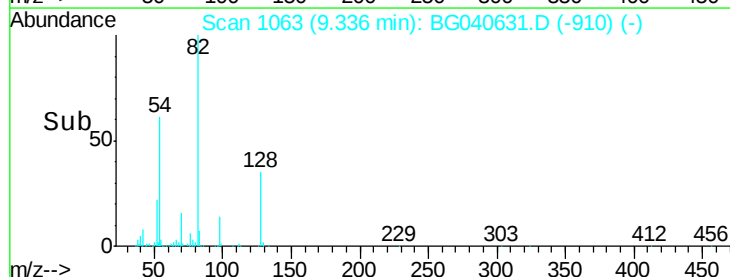
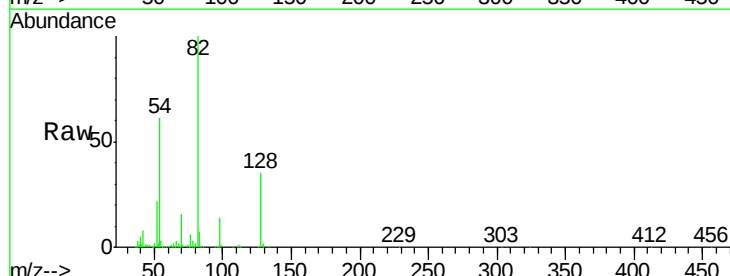
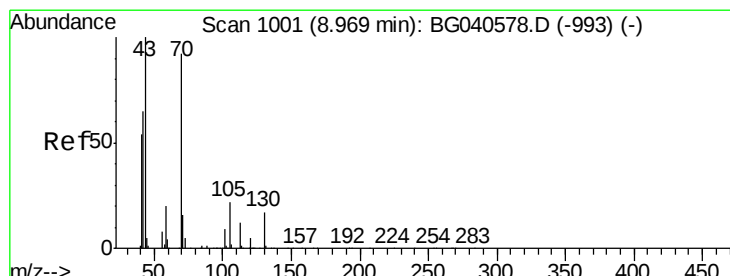
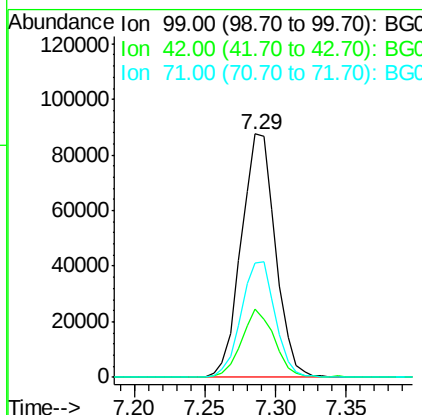
Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.2	61.4	92.0
63	46.5	37.8	56.6





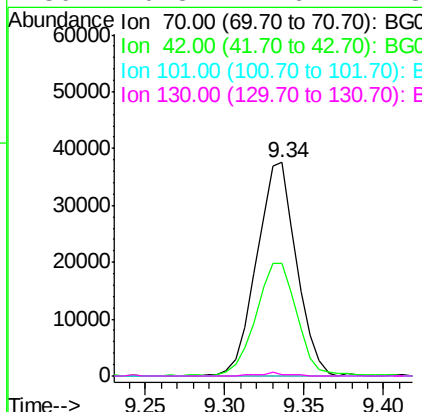
#7
Phenol-d6
Concen: 33.856 ng
RT: 7.29 min Scan# 714
Delta R.T. -0.01 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Tot Ion	Ratio	Lower	Upper
99	100		
42	27.8	21.8	32.8
71	46.8	38.6	57.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.590 ng
RT: 9.34 min Scan# 1063
Delta R.T. 0.37 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Tgt Ion	Ratio	Lower	Upper
70	100		
42	53.0	57.1	85.7#
101	0.0	7.8	11.8#
130	0.8	14.6	21.8#

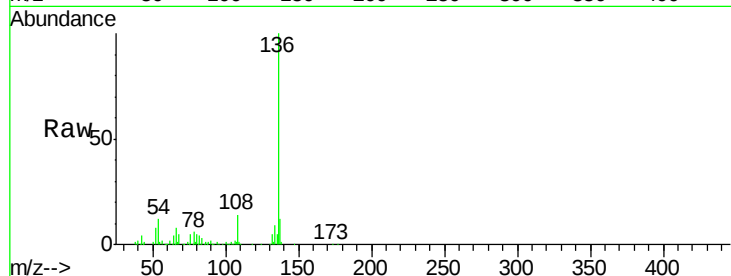




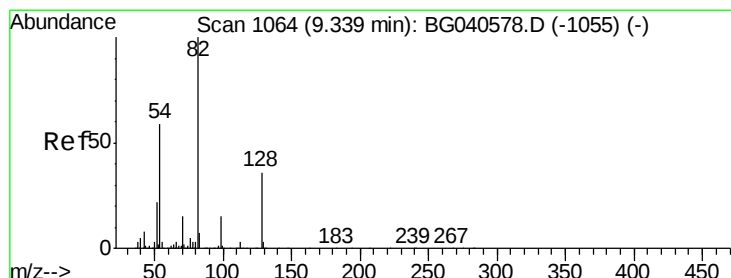
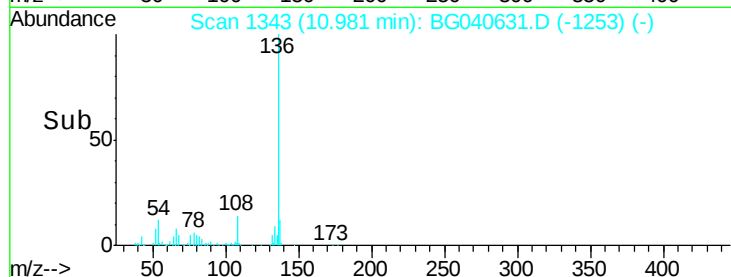
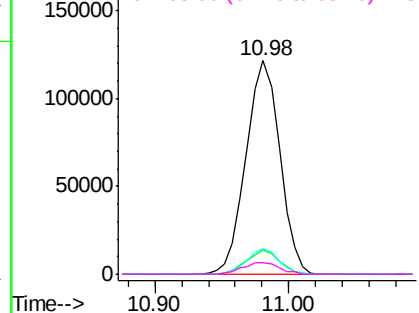
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	212977
Ion Ratio	Lower	Upper
136 100		
137 11.5	9.7	14.5
54 12.1	8.6	12.8
68 5.3	4.8	7.2

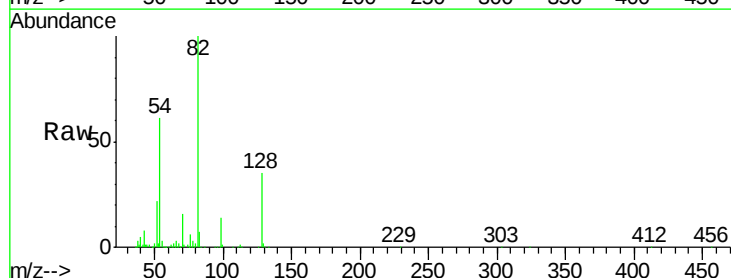


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

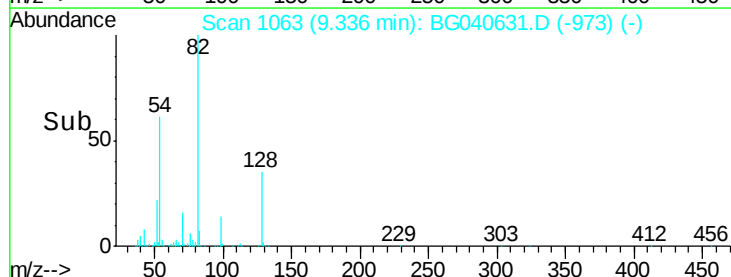
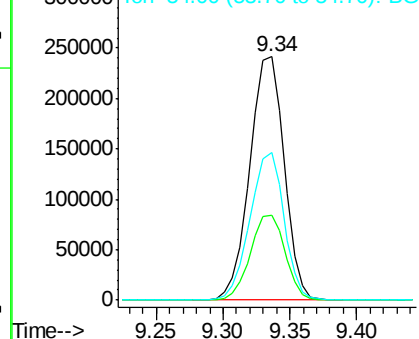


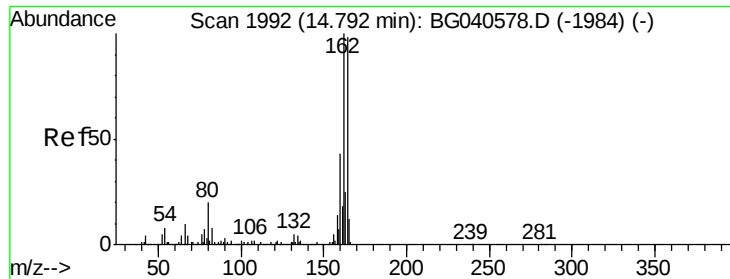
#23
Nitrobenzene-d5
Concen: 93.109 ng
RT: 9.34 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Tgt Ion: 82	Resp: 429166
Ion Ratio	Lower Upper
82 100	
128 34.7	28.9 43.3
54 60.6	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: BG040631.D

Acq: 26 Apr 2019 16:12

Instrument :

BNA_G

ClientSampleId :

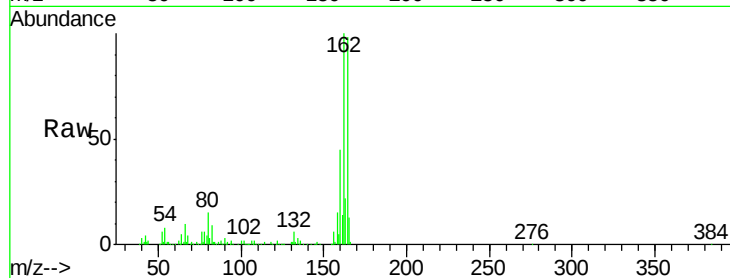
Tot Ion:164 Resp: 156932

Ion Ratio Lower Upper

164 100

162 102.3 81.9 122.9

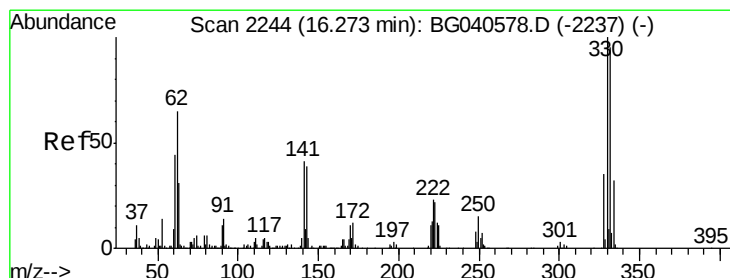
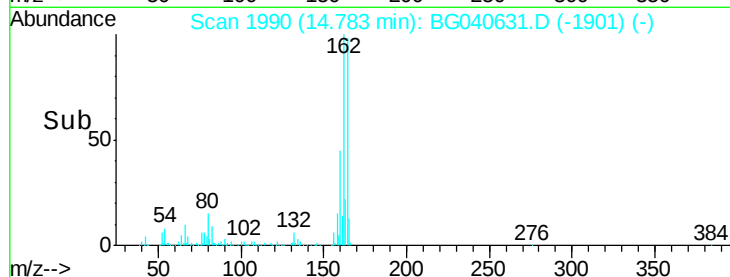
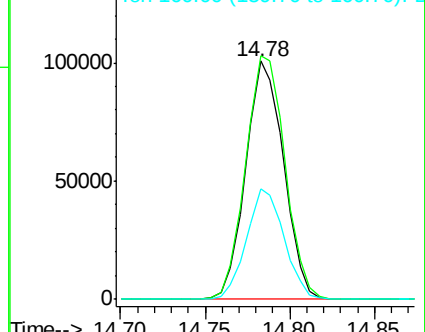
160 46.4 35.4 53.2



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: 138.879 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

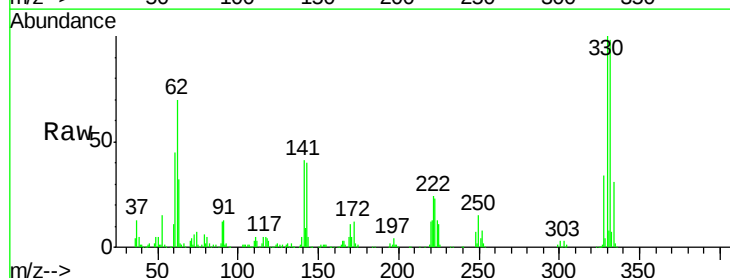
Tgt Ion:330 Resp: 299571

Ion Ratio Lower Upper

330 100

332 96.1 75.9 113.9

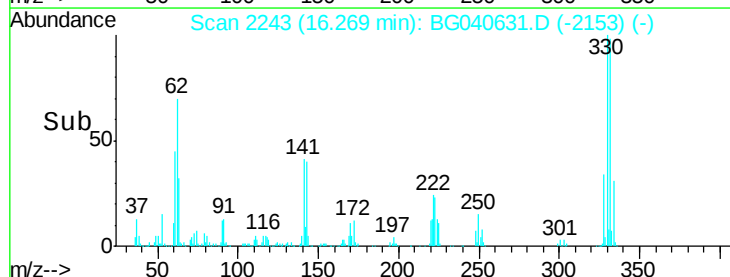
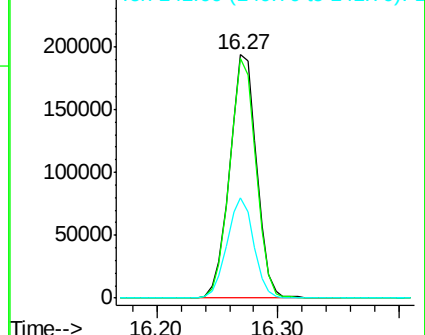
141 40.5 32.4 48.6



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: 83.856 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BG040631.D

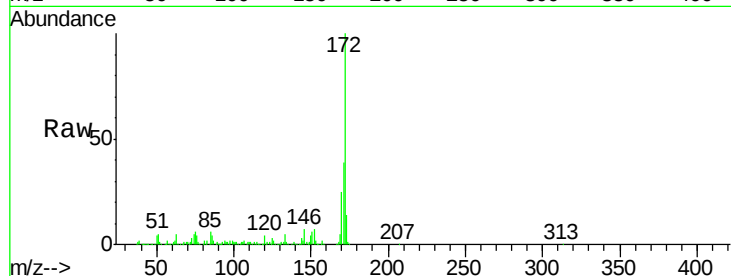
Acq: 26 Apr 2019 16:12

Instrument :

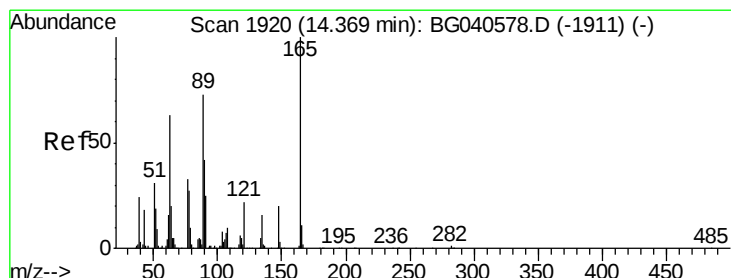
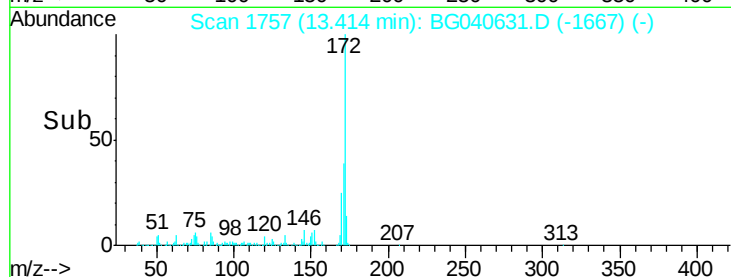
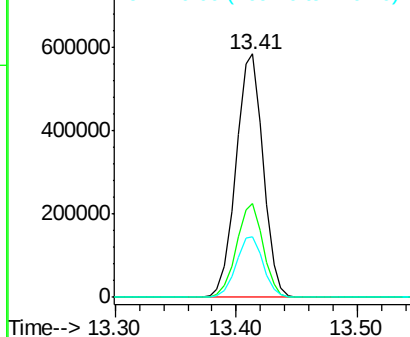
BNA_G

ClientSampleId :

Tot Ion:172	Resp:	911213
Ion	Ratio	Lower Upper
172	100	
171	38.5	29.4 44.2
170	24.6	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: 8.022 ng

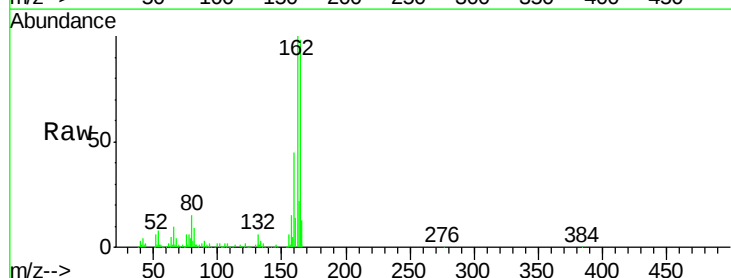
RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

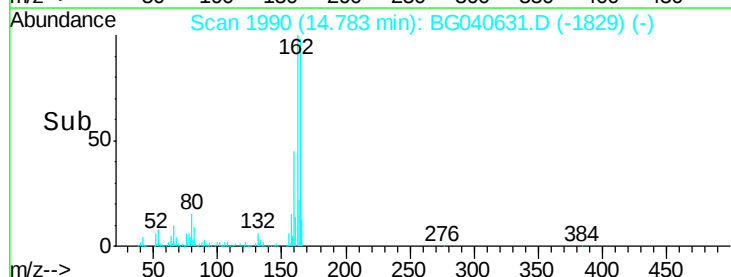
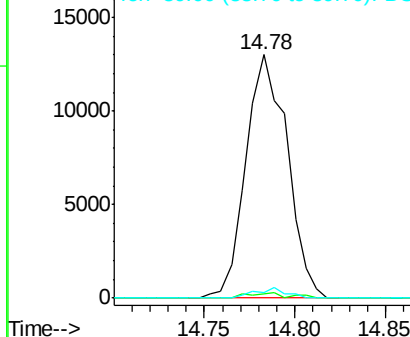
Lab File: BG040631.D

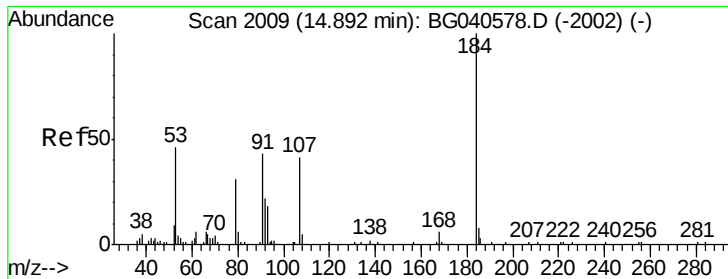
Acq: 26 Apr 2019 16:12

Tgt Ion:165	Resp:	20556
Ion	Ratio	Lower Upper
165	100	
63	2.0	61.0 91.4#
89	2.2	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

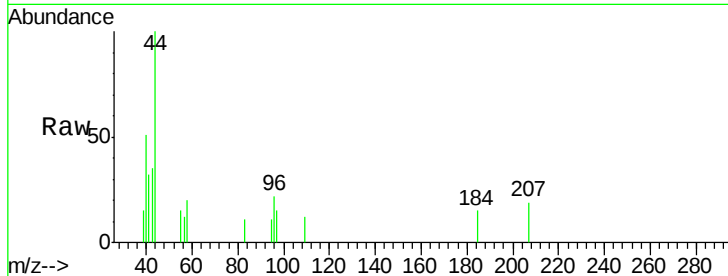




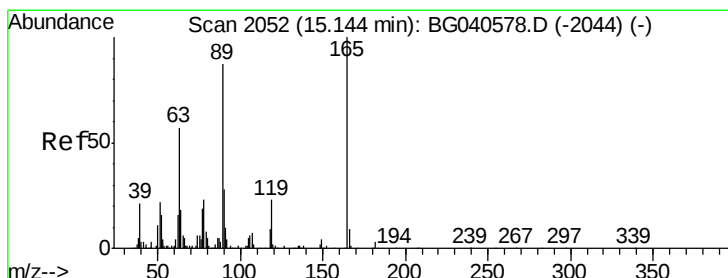
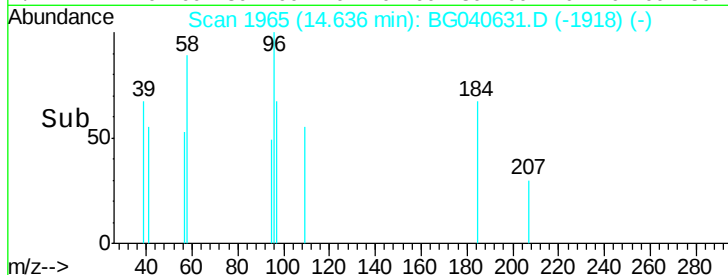
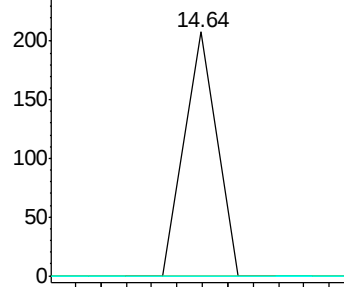
#54
2,4-Dinitrophenol
Concen: 7.061 ng
RT: 14.64 min Scan# 1965
Delta R.T. -0.26 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 73
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

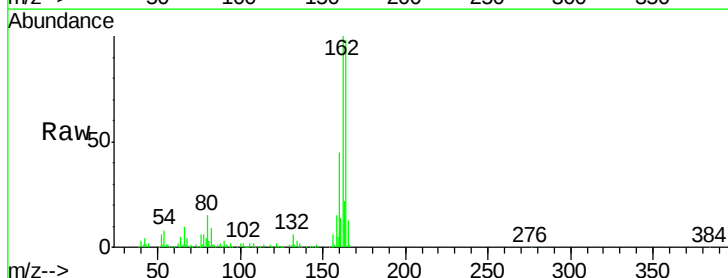


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

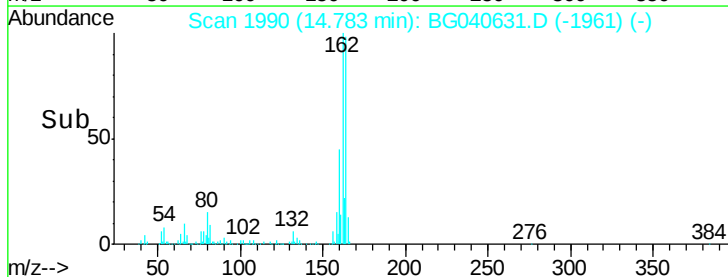
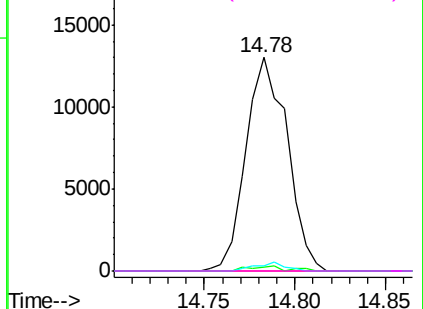


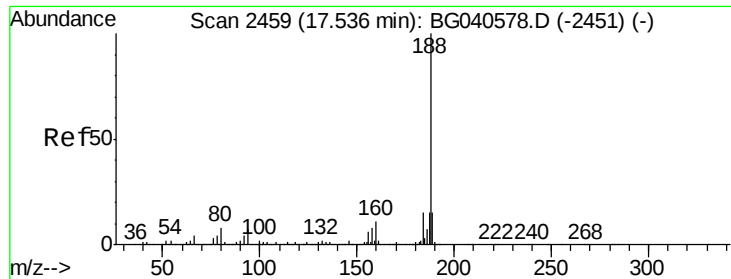
#57
2,4-Dinitrotoluene
Concen: 5.903 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.36 min
Lab File: BG040631.D
Acq: 26 Apr 2019 16:12

Tgt Ion:165 Resp: 20556
Ion Ratio Lower Upper
165 100
63 2.0 45.8 68.8#
89 2.2 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. -0.00 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

Instrument :

BNA_G

ClientSampleId :

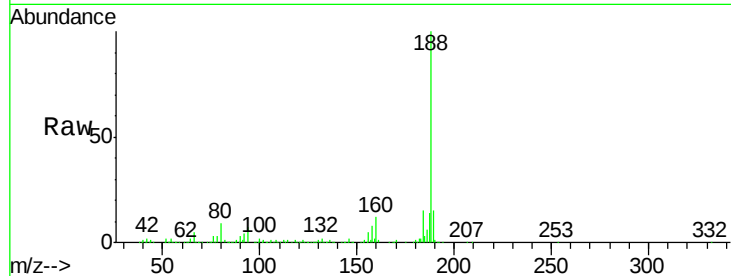
Tot Ion:188 Resp: 407534

Ion Ratio Lower Upper

188 100

94 6.8 5.6 8.4

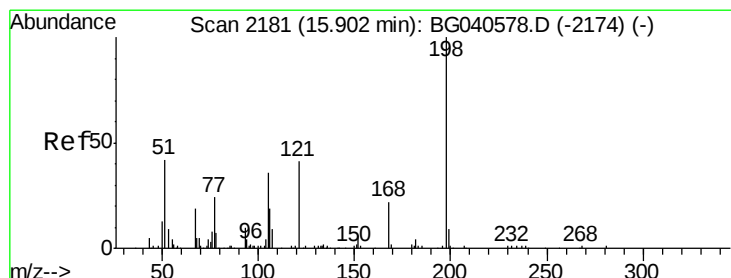
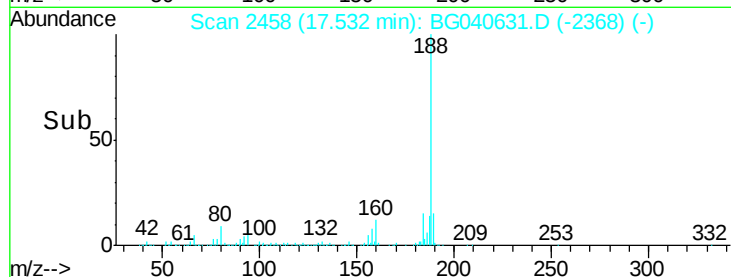
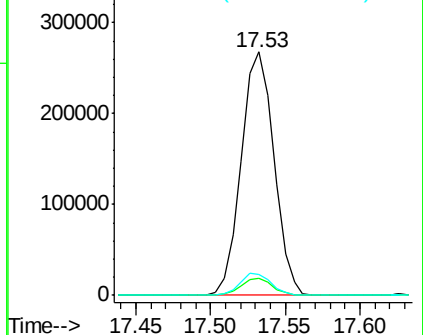
80 8.6 6.4 9.6



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: 7.595 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.37 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

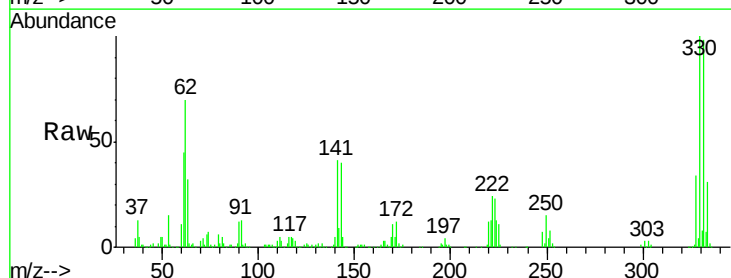
Tgt Ion:198 Resp: 1164

Ion Ratio Lower Upper

198 100

51 27.5 35.9 75.9#

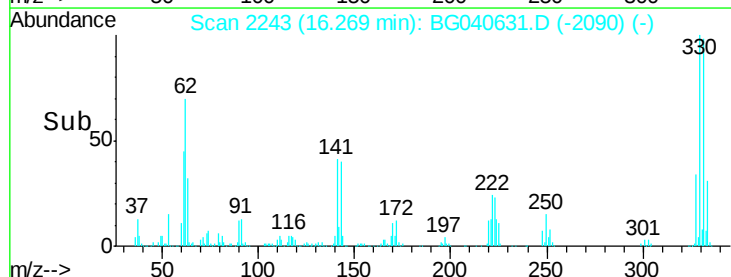
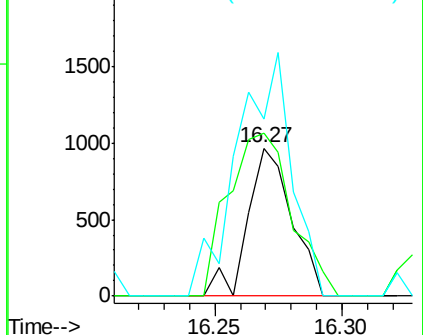
105 30.0 21.2 61.2

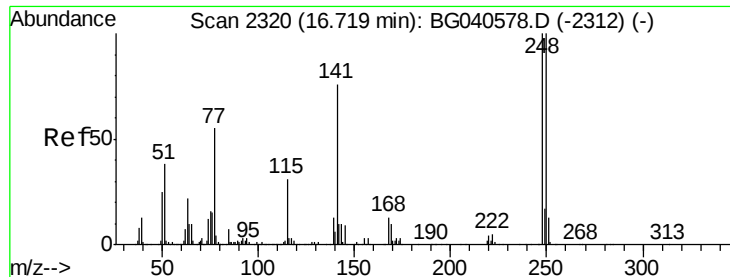


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.172 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

Instrument :

BNA_G

ClientSampled :

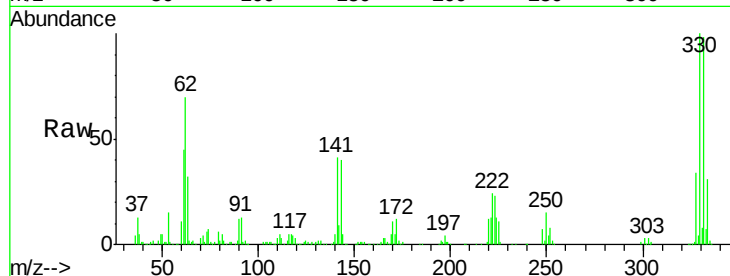
Tot Ion:248 Resp: 21182

Ion Ratio Lower Upper

248 100

250 158.5 79.8 119.6#

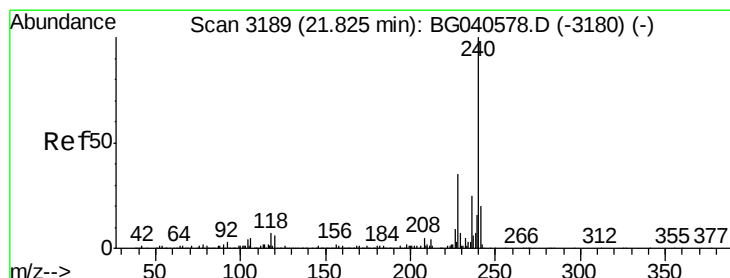
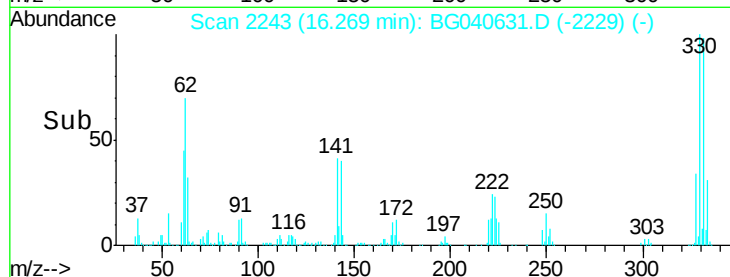
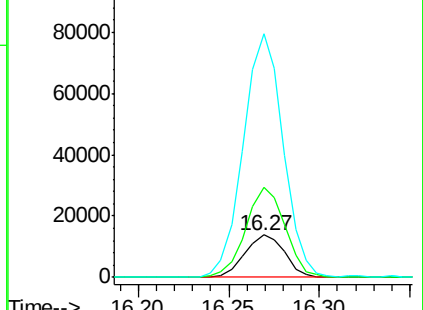
141 428.5 60.8 91.2#



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. -0.00 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

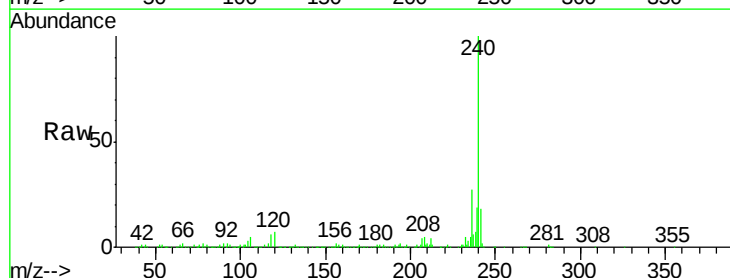
Tgt Ion:240 Resp: 410540

Ion Ratio Lower Upper

240 100

120 6.7 5.0 7.6

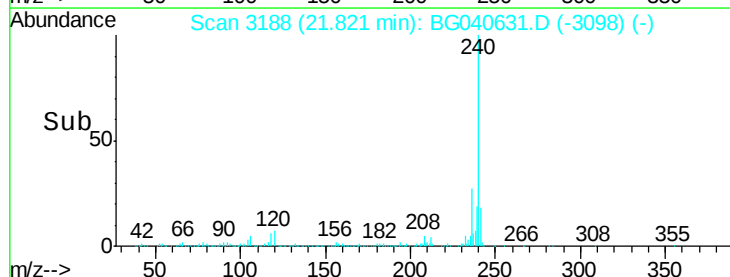
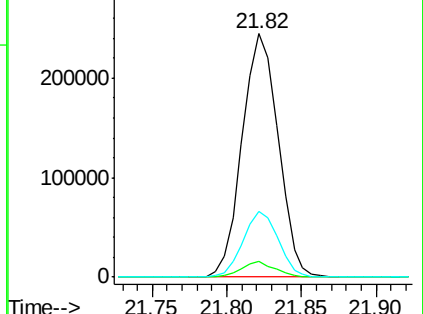
236 26.9 20.3 30.5



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: 3.161 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

Instrument :

BNA_G

ClientSampleId :

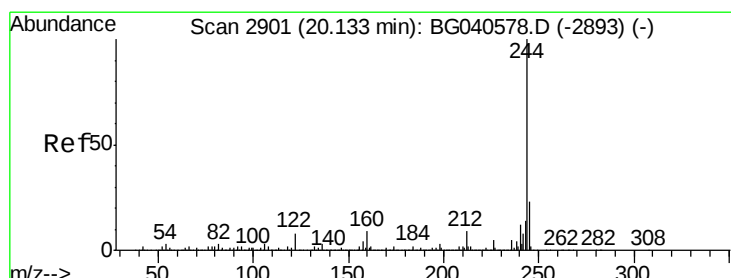
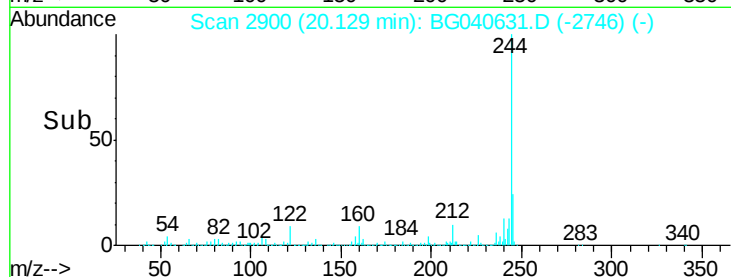
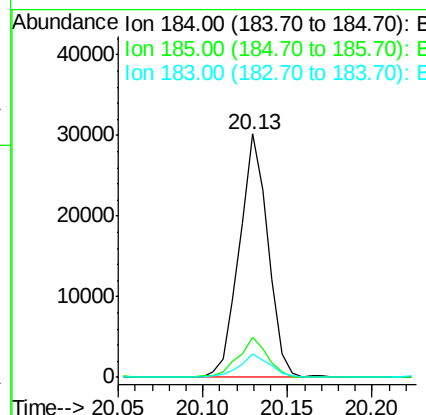
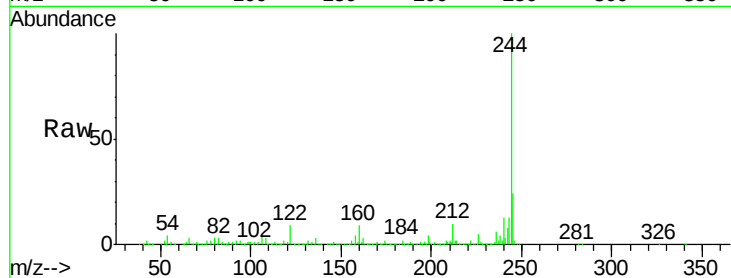
Tot Ion:184 Resp: 35533

Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.8

183 9.7 10.2 15.2#



#79

Terphenyl-d14

Concen: 93.786 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG040631.D

Acq: 26 Apr 2019 16:12

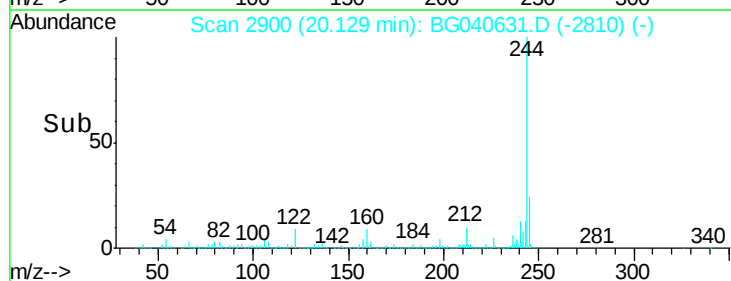
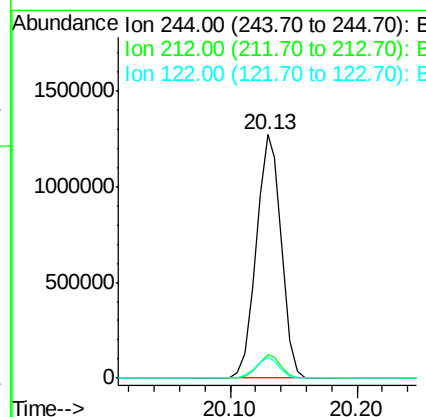
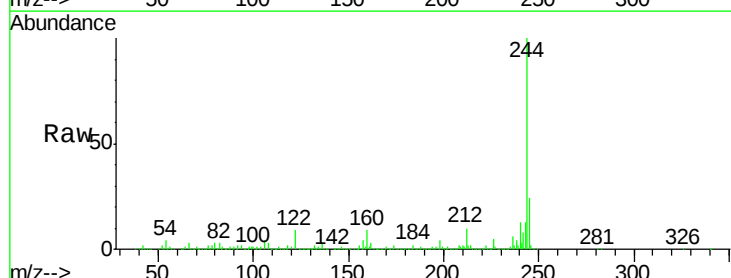
Tgt Ion:244 Resp: 1737944

Ion Ratio Lower Upper

244 100

212 9.8 7.2 10.8

122 8.7 6.6 10.0

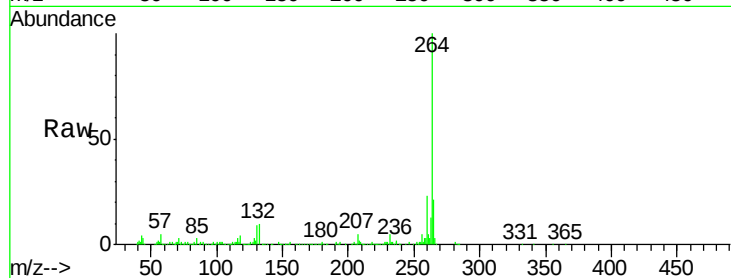




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.21 min Scan# 3764
 Delta R.T. 0.00 min
 Lab File: BG040631.D
 Acq: 26 Apr 2019 16:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.6	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

