

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041662.D
 Acq On : 16 Jul 2019 11:02
 Operator : HP/JU
 Sample : K3778-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:36:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	109075	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	465698	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	285038	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	680490	20.00	ng	0.00
76) Chrysene-d12	21.66	240	624050	20.00	ng	0.00
87) Perylene-d12	24.85	264	713893	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	794051	119.01	ng	0.00
7) Phenol-d6	7.20	99	1124385	125.29	ng	0.00
23) Nitrobenzene-d5	9.20	82	679320	88.71	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	412598	128.44	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1449209	78.73	ng	0.00
79) Terphenyl-d14	20.01	244	2103235	78.76	ng	0.00

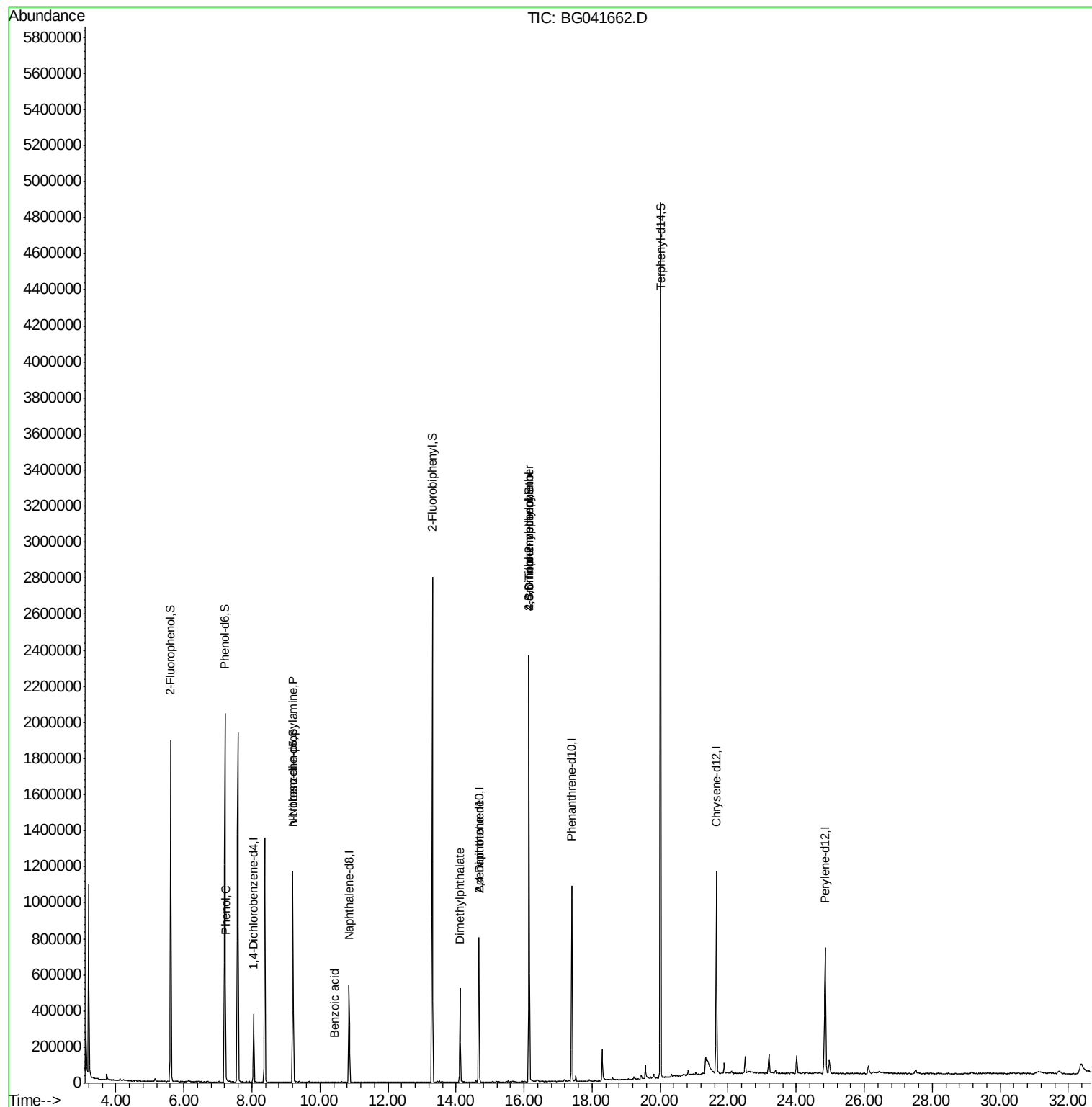
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2344	Below Cal	#	3
10) Phenol	7.22	94	19289	2.040	ng	# 73
19) n-Nitroso-di-n-propylamine	9.20	70	93586	14.267	ng	# 76
32) Benzoic acid	10.43	122	59	6.022	ng	# 1
50) Dimethylphthalate	14.12	163	356183	15.911	ng	97
57) 2,4-Dinitrotoluene	14.66	165	36620	5.834	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1289	7.017	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	32787	4.049	ng	# 1
77) Benzidine	20.01	184	37277	Below Cal	#	93

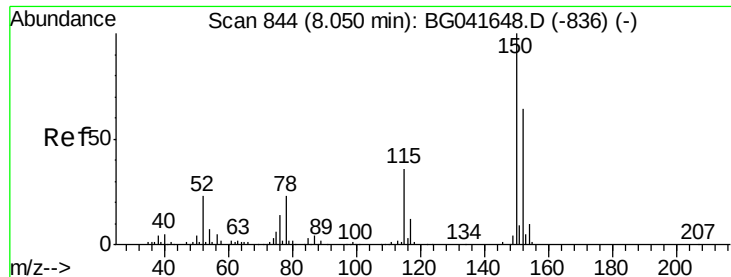
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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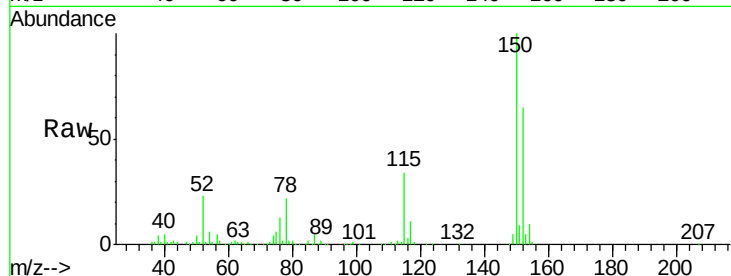


#1

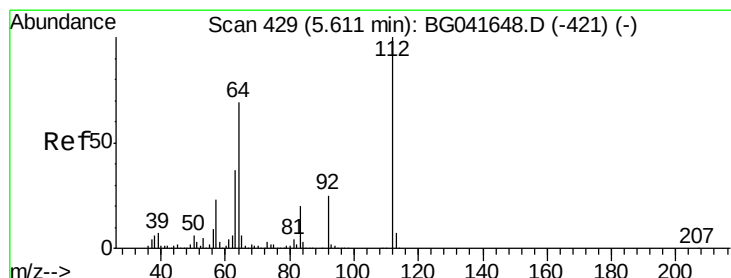
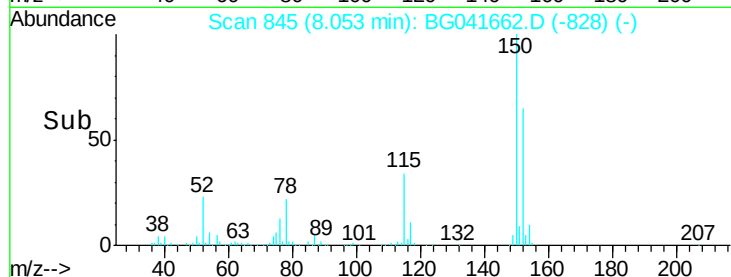
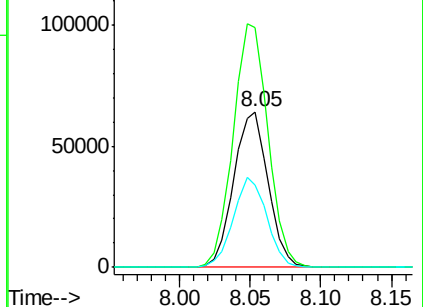
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.9	190.3
115	53.0	45.0	67.6



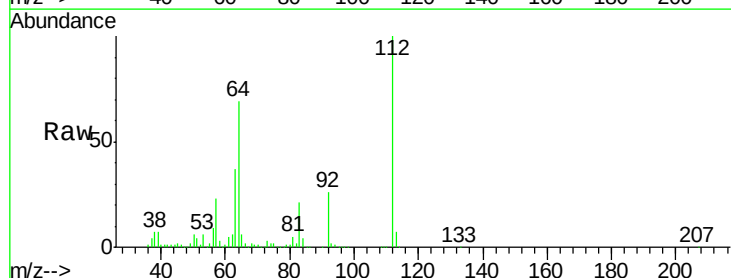
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



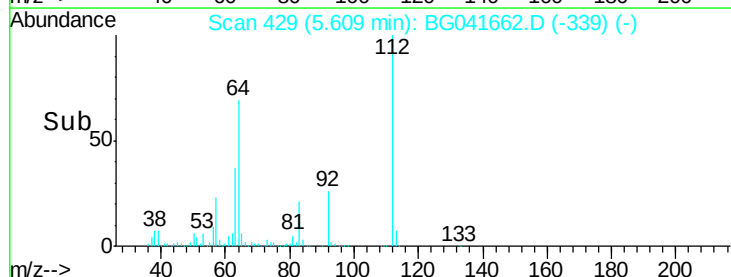
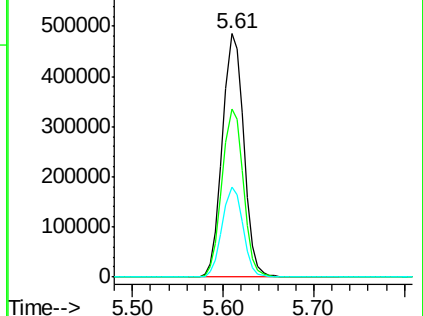
#5

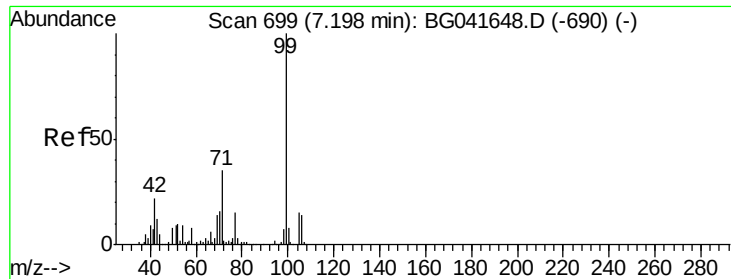
2-Fluorophenol
Concen: 119.007 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	55.4	83.2
63	37.0	29.1	43.7



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: 125.287 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

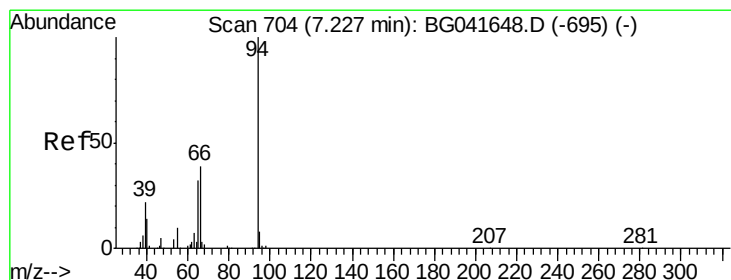
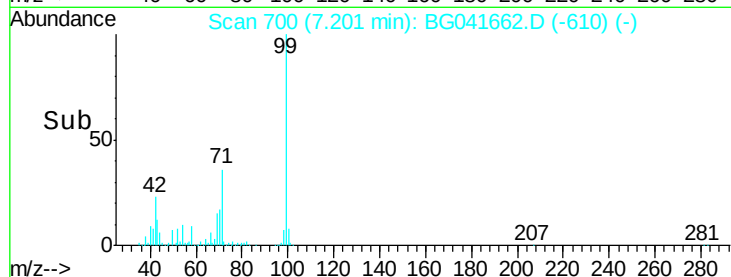
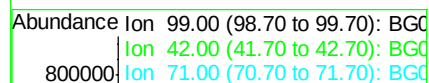
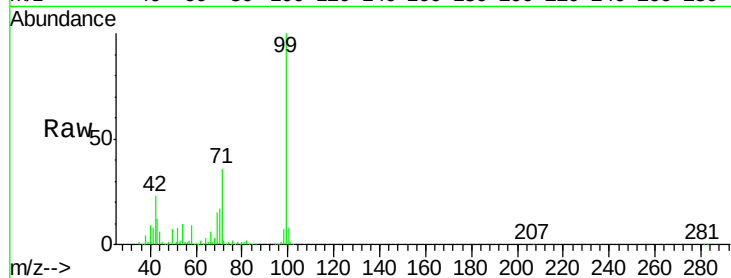
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 1124385

Ion	Ratio	Lower	Upper
99	100		
42	22.9	17.6	26.4
71	36.2	27.8	41.6



#10

Phenol

Concen: 2.040 ng

RT: 7.22 min Scan# 704

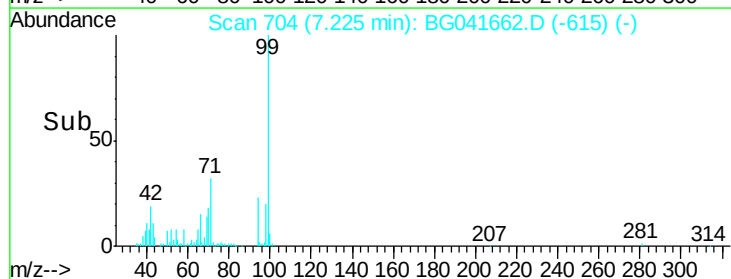
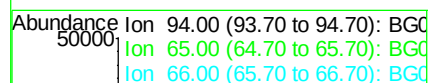
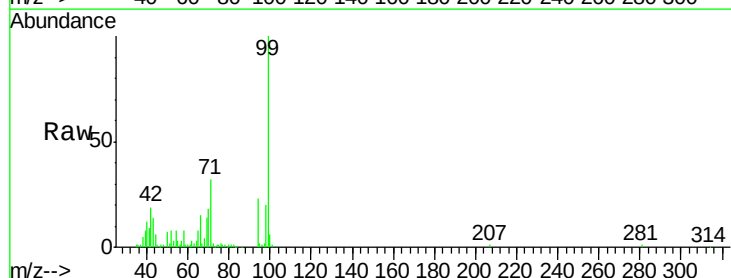
Delta R.T. -0.01 min

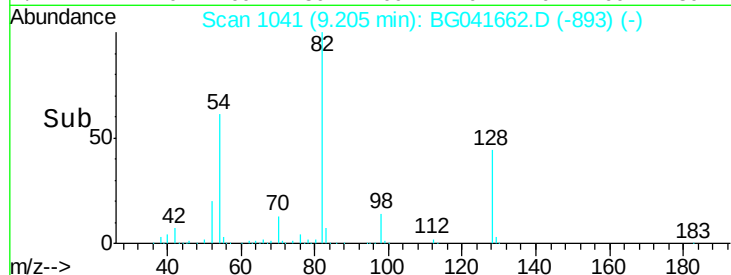
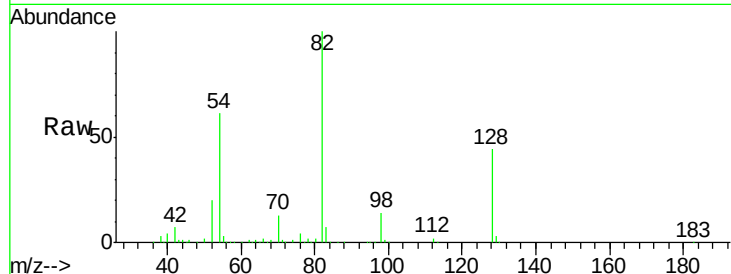
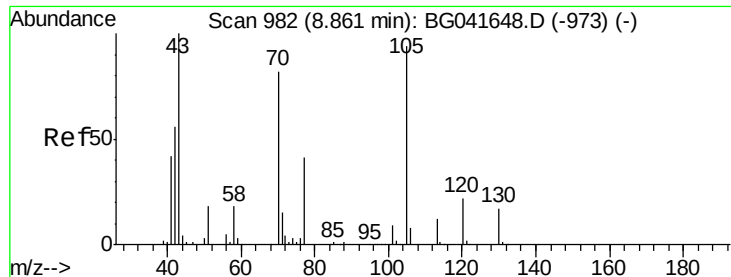
Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

Tgt Ion: 94 Resp: 19289

Ion	Ratio	Lower	Upper
94	100		
65	34.0	10.6	50.6
66	64.3	18.2	58.2

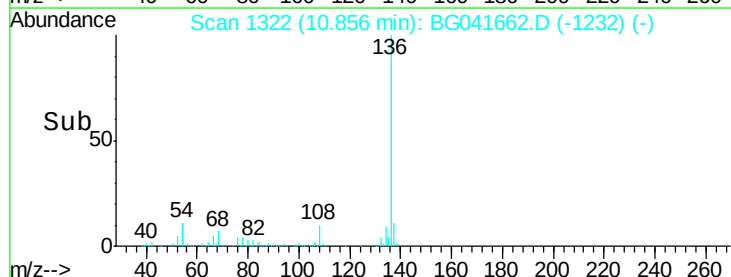
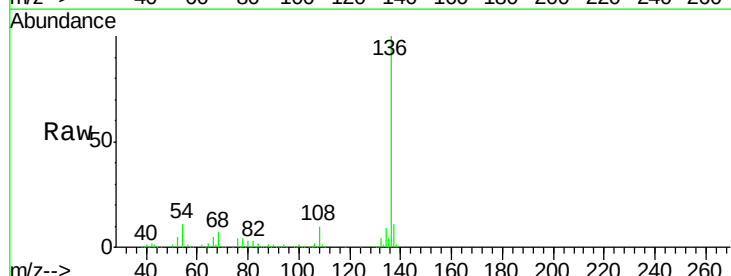
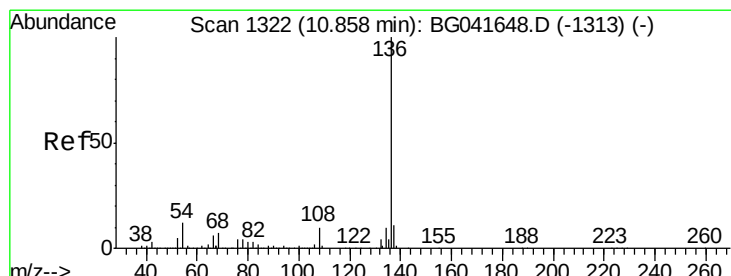
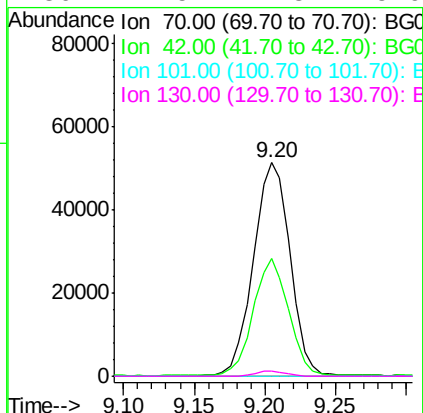




#19
n-Nitroso-di-n-propylamine
Concen: 14.267 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.34 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

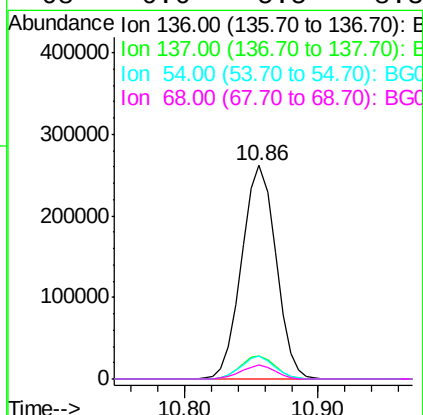
Instrument :
BNA_G
ClientSampleId :

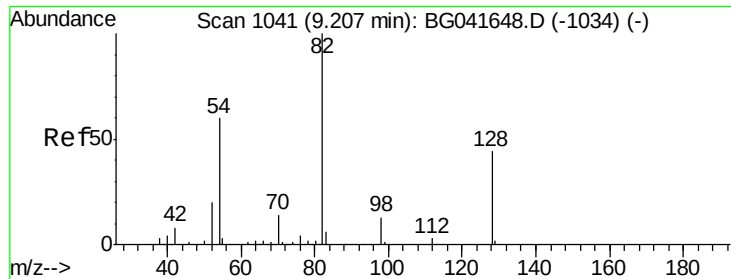
Tot Ion: 70 Resp: 93586
Ion Ratio Lower Upper
70 100
42 55.0 55.8 83.6#
101 0.0 8.1 12.1#
130 2.5 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Tgt Ion:136 Resp: 465698
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 11.1 8.7 13.1
68 6.6 5.5 8.3

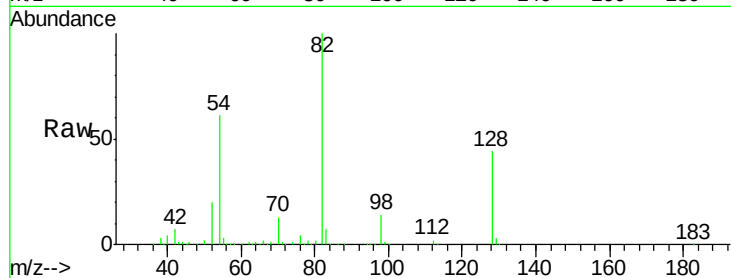




#23
 Nitrobenzene-d5
 Concen: 88.712 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041662.D
 Acq: 16 Jul 2019 11:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	679320
Ion Ratio	Lower	Upper	
82	100		
128	44.4	35.1	52.7
54	61.2	48.7	73.1

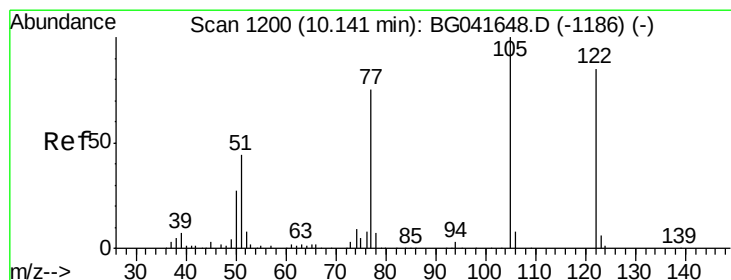
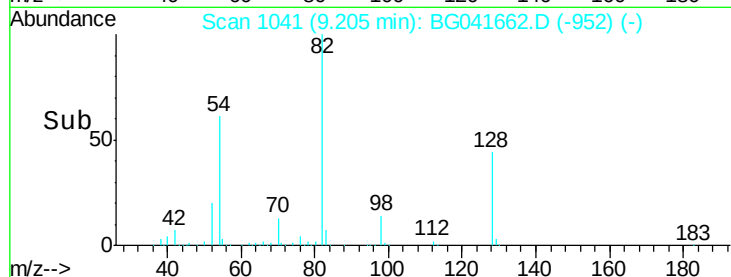
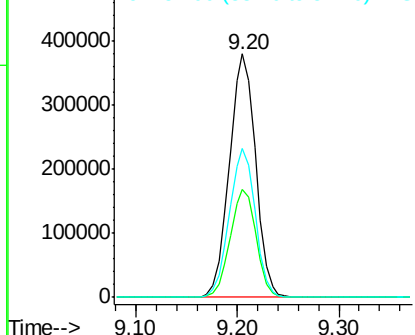


Abundance

Ion 82.00 (81.70 to 82.70): BGC

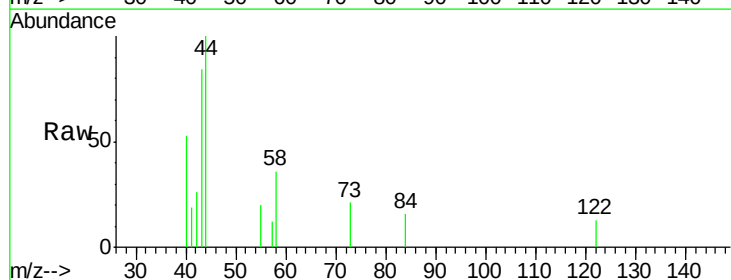
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32
 Benzoic acid
 Concen: 6.022 ng
 RT: 10.43 min Scan# 1250
 Delta R.T. 0.26 min
 Lab File: BG041662.D
 Acq: 16 Jul 2019 11:02

Tgt Ion	122	Resp	59
Ion Ratio	Lower	Upper	
122	100		
105	0.0	101.5	141.5#
77	0.0	73.0	113.0#

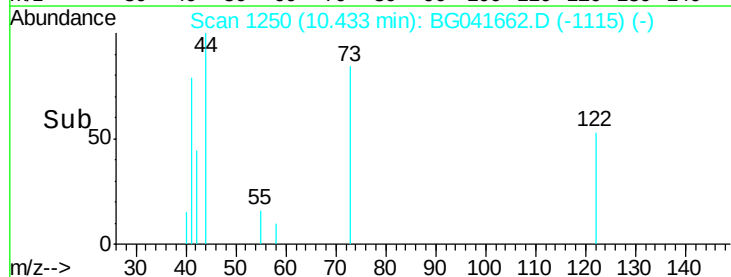
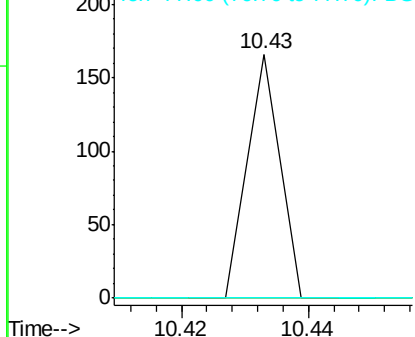


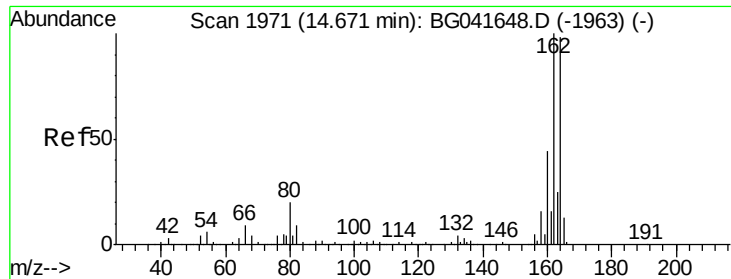
Abundance

Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

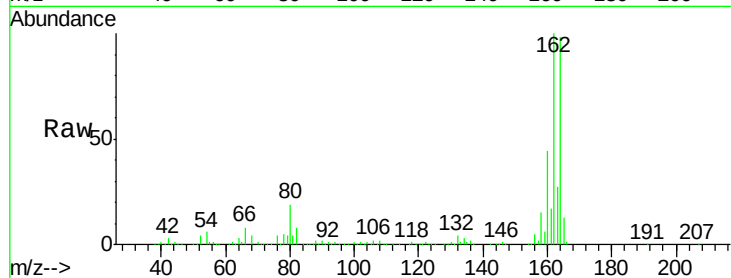




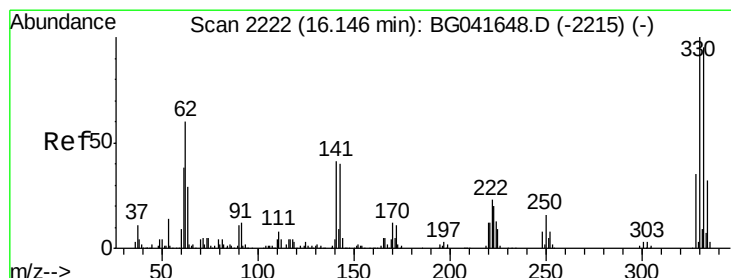
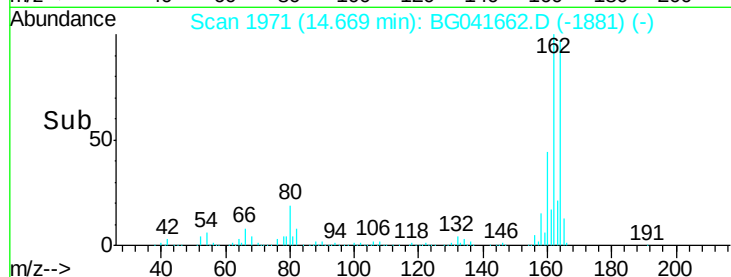
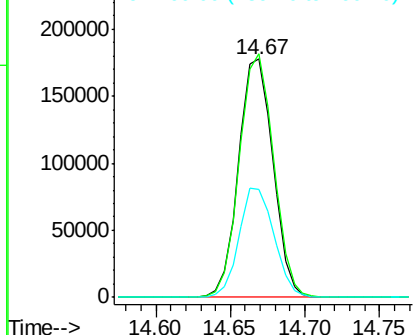
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 285038
Ion Ratio Lower Upper
164 100
162 102.3 79.6 119.4
160 45.4 35.4 53.0

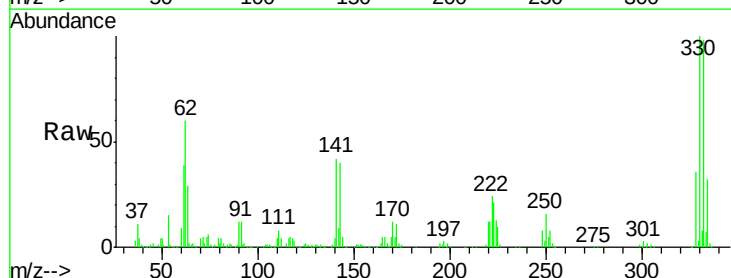


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

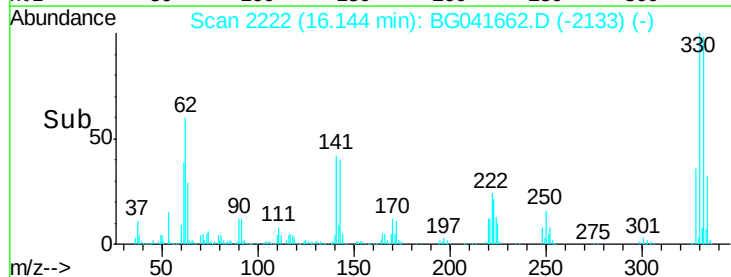
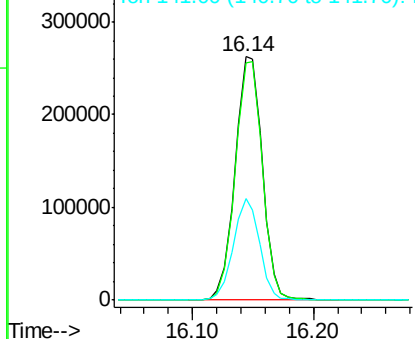


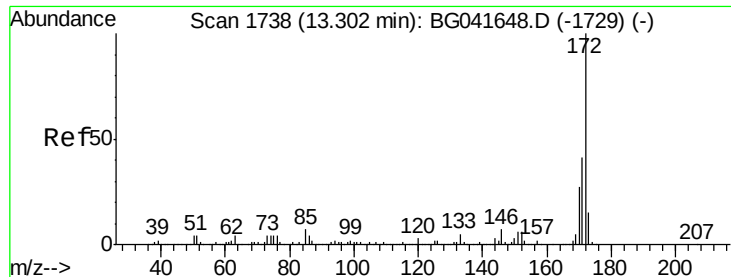
#42
2,4,6-Tribromophenol
Concen: 128.442 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Tgt Ion:330 Resp: 412598
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 40.0 31.9 47.9



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

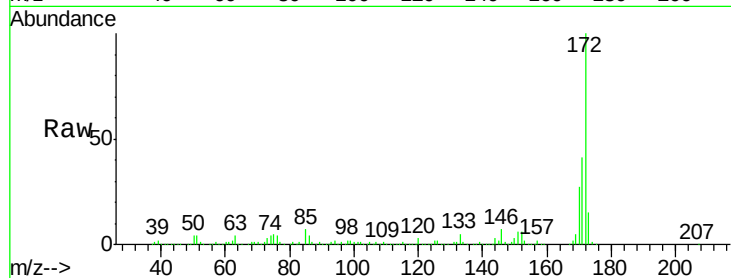




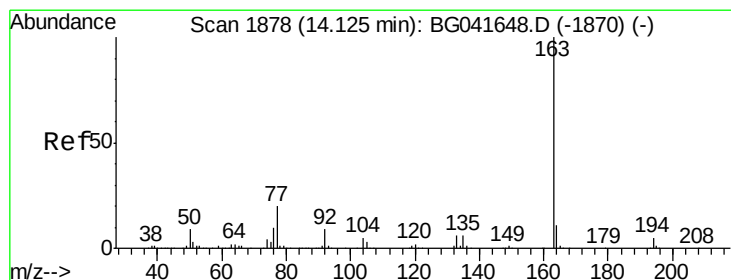
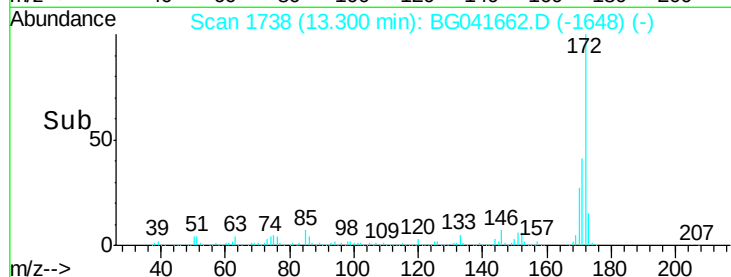
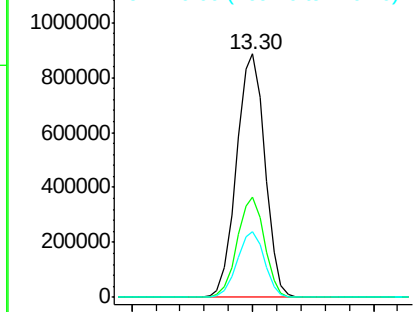
#45
2-Fluorobiphenyl
Concen: 78.730 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1449209
Ion Ratio Lower Upper
172 100
171 41.0 35.0 52.4
170 27.0 23.5 35.3

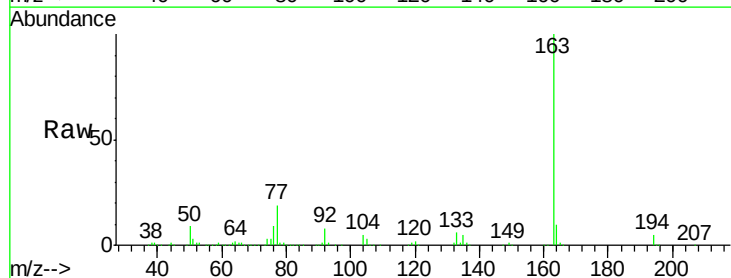


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

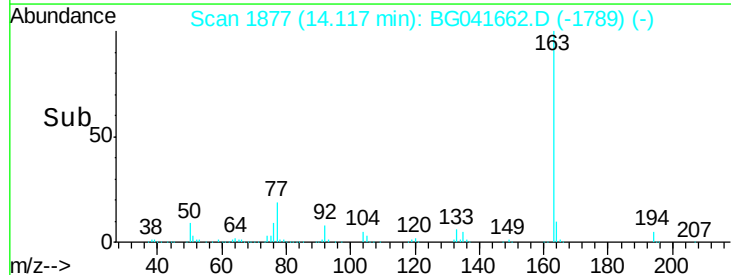
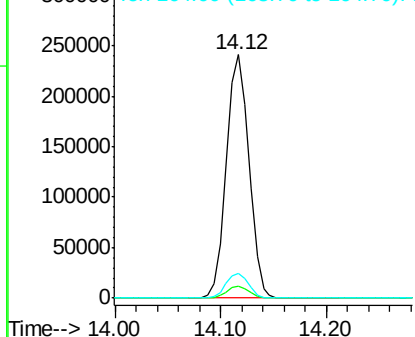


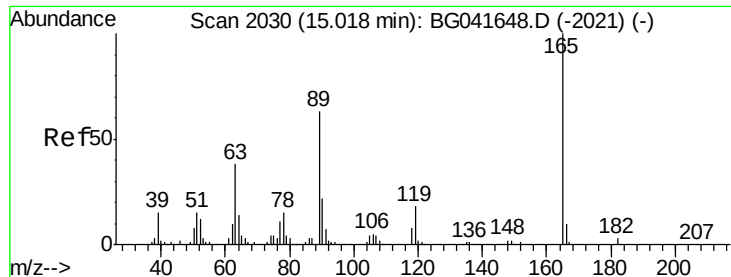
#50
Dimethylphthalate
Concen: 15.911 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Tgt Ion:163 Resp: 356183
Ion Ratio Lower Upper
163 100
194 4.8 4.2 6.2
164 10.3 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

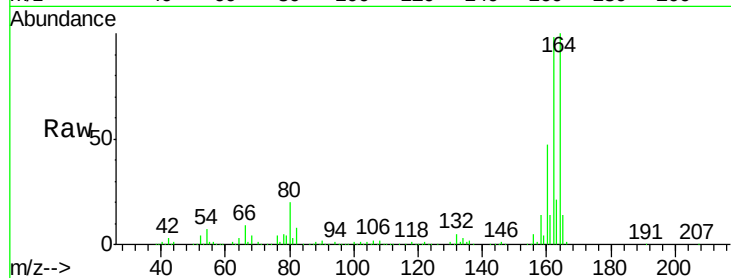




#57
 2,4-Dinitrotoluene
 Concen: 5.834 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG041662.D
 Acq: 16 Jul 2019 11:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	31.7	47.5#
89	1.9	50.2	75.4#
182	0.0	2.6	4.0#

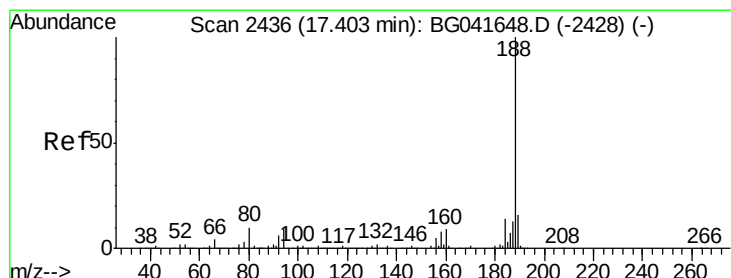
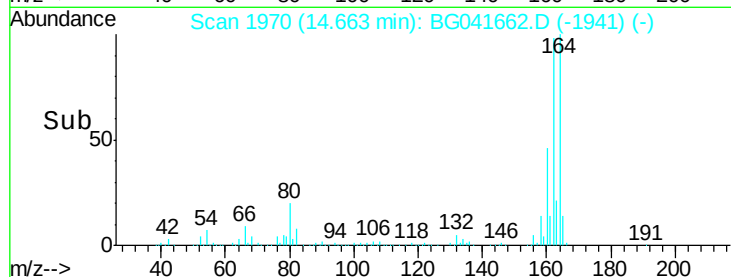
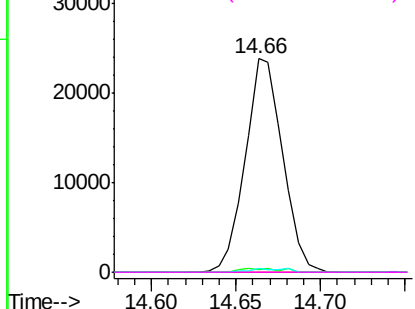


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

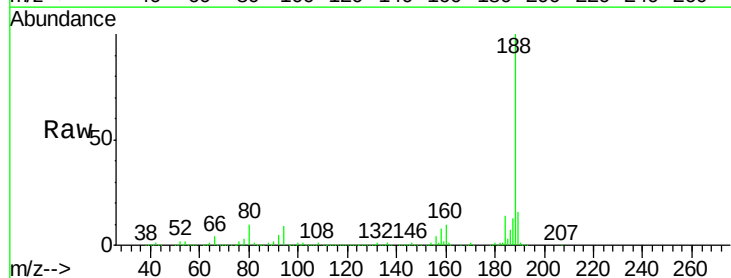
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG041662.D
 Acq: 16 Jul 2019 11:02

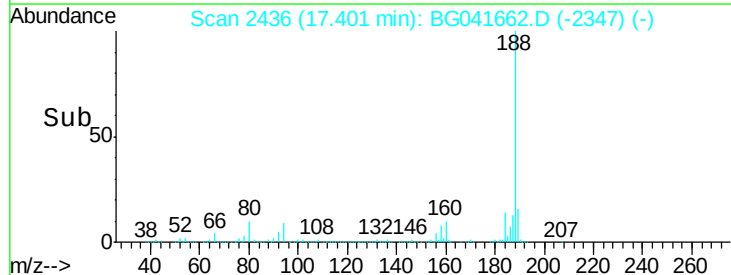
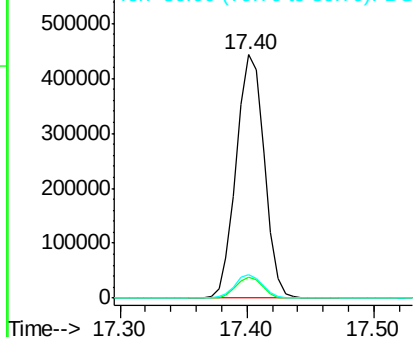
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.5	8.0	12.0

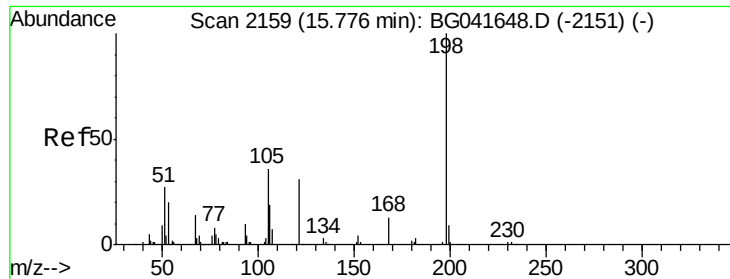


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.017 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

Instrument :

BNA_G

ClientSampleId :

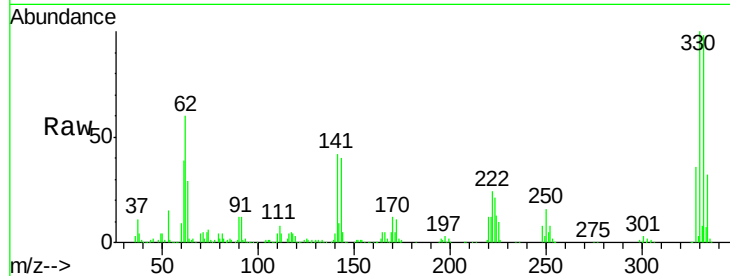
Tot Ion:198 Resp: 1289

Ion Ratio Lower Upper

198 100

51 171.3 22.3 62.3#

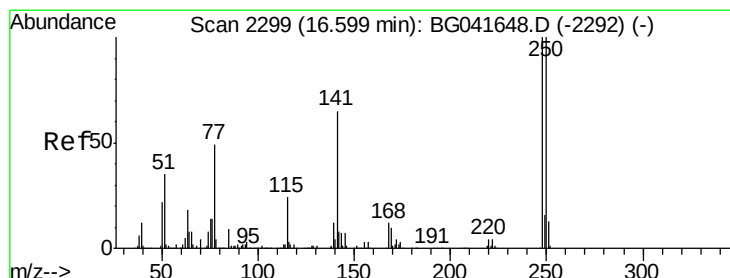
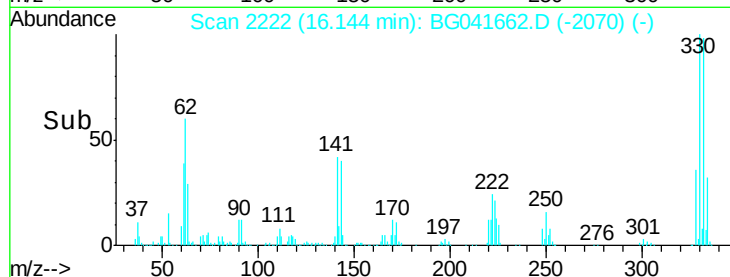
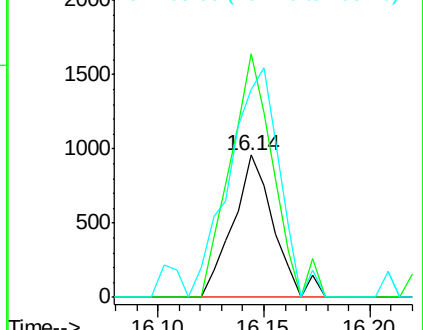
105 146.3 18.0 58.0#



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: 4.049 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

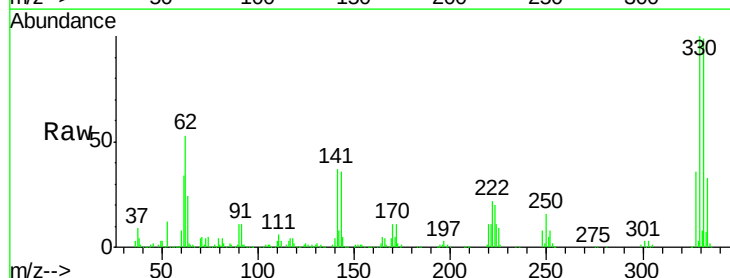
Tgt Ion:248 Resp: 32787

Ion Ratio Lower Upper

248 100

250 192.2 78.1 117.1#

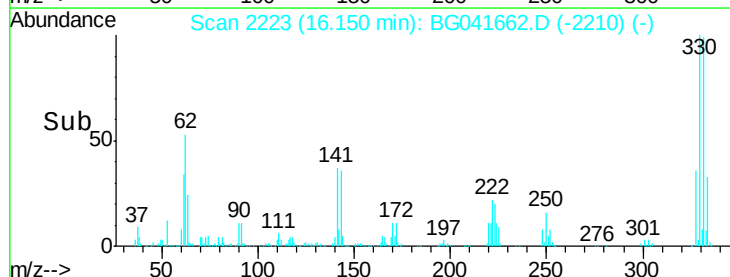
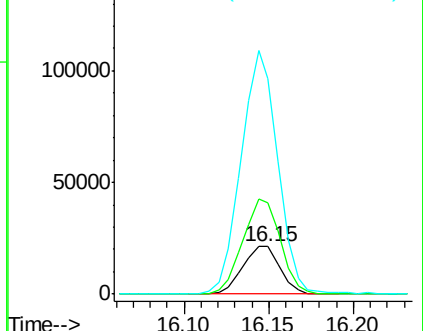
141 457.8 49.6 74.4#

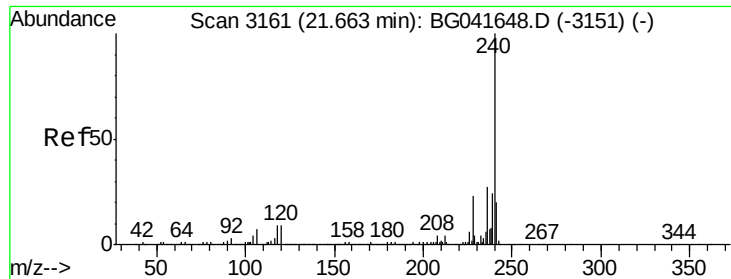


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

Instrument :

BNA_G

ClientSampled :

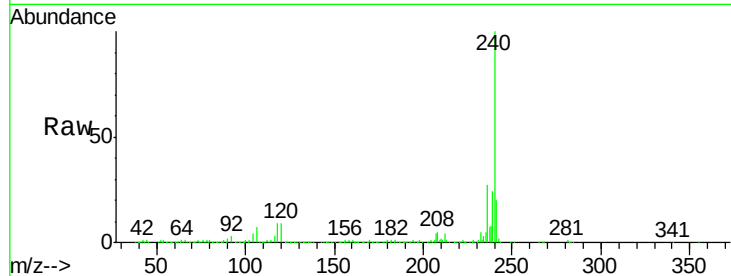
Tot Ion:240 Resp: 624050

Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.0	12.0
236	27.3	22.6	33.8

240 100

120 8.8 8.0 12.0

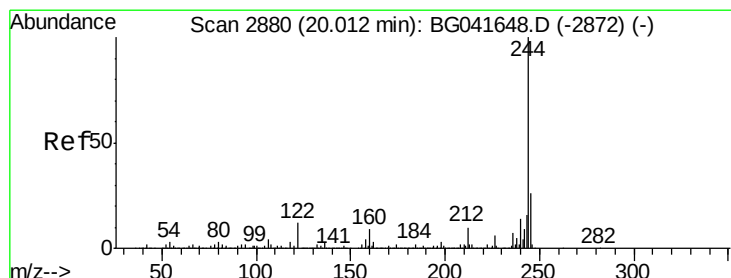
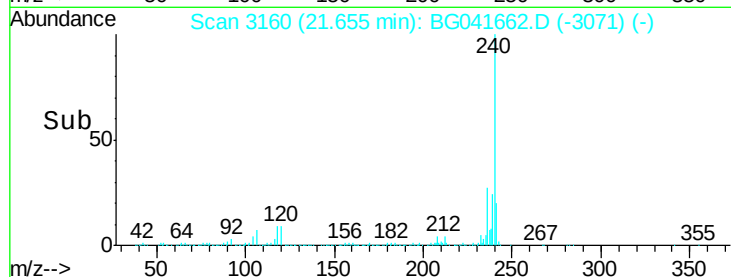
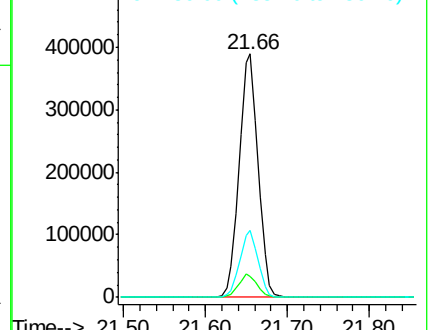
236 27.3 22.6 33.8



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



#79

Terphenyl-d14

Concen: 78.760 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG041662.D

Acq: 16 Jul 2019 11:02

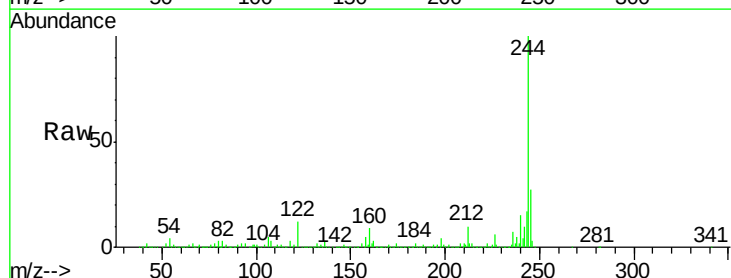
Tgt Ion:244 Resp: 2103235

Ion	Ratio	Lower	Upper
244	100		
212	10.3	9.7	14.5
122	12.3	12.5	18.7

244 100

212 10.3 9.7 14.5

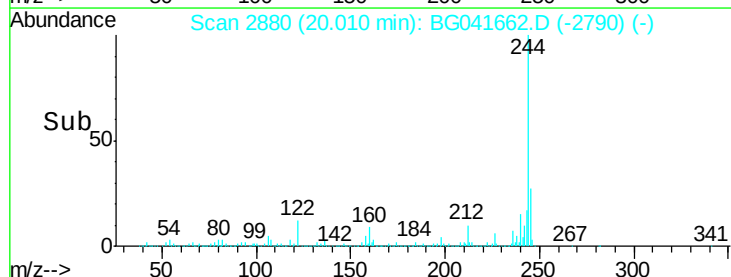
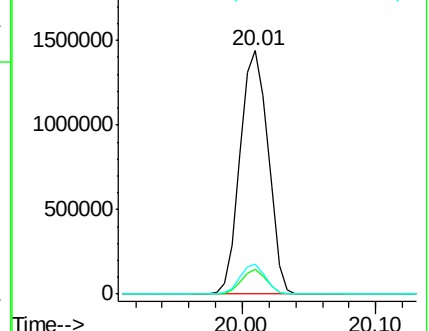
122 12.3 12.5 18.7

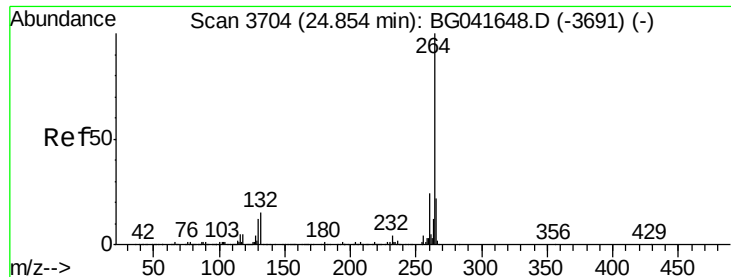


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

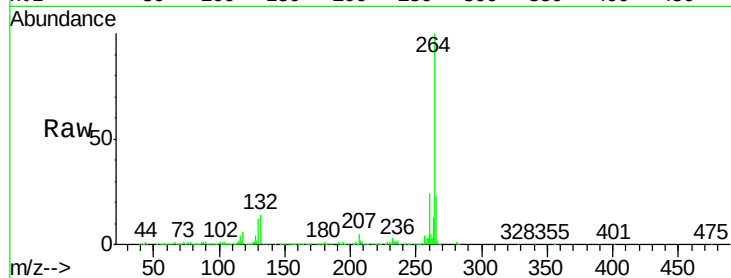




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG041662.D
Acq: 16 Jul 2019 11:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.9	18.0	27.0



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

