

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071619\
 Data File : BG041681.D
 Acq On : 17 Jul 2019 5:48
 Operator : HP/JU
 Sample : K3627-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-071519

Quant Time: Jul 17 07:24:00 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	116054	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	476161	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	294780	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	701586	20.00	ng	0.00
76) Chrysene-d12	21.65	240	672107	20.00	ng	-0.01
87) Perylene-d12	24.84	264	759986	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	772735	108.85	ng	0.00
7) Phenol-d6	7.20	99	975060	102.11	ng	0.00
23) Nitrobenzene-d5	9.20	82	721312	92.13	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	434824	130.89	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1650131	86.68	ng	0.00
79) Terphenyl-d14	20.01	244	2414146	83.94	ng	0.00

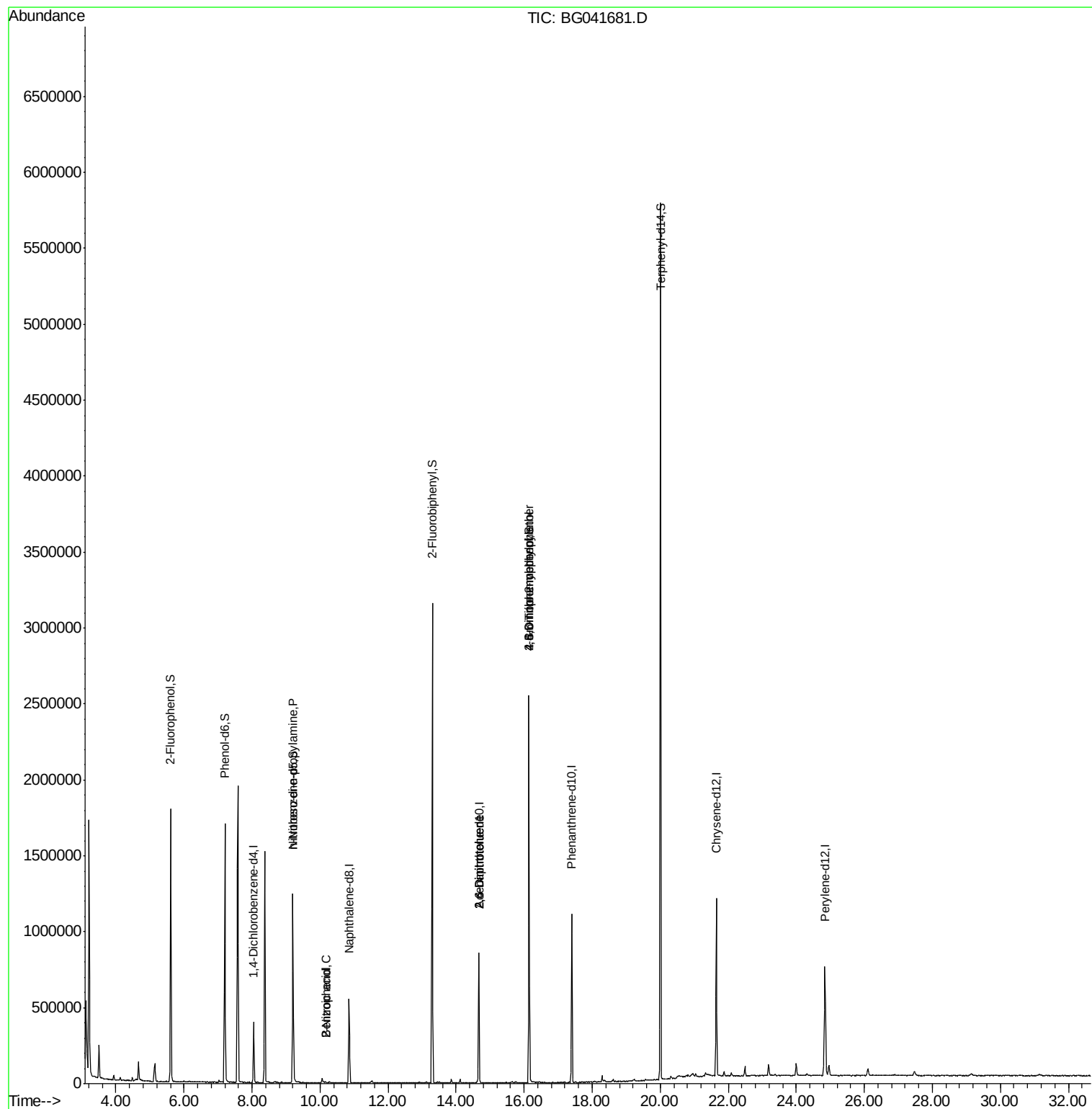
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1818	Below Cal		# 15
19) n-Nitroso-di-n-propylamine	9.20	70	100512	14.402	ng	# 76
26) 2-Nitrophenol	10.17	139	73	4.670	ng	# 34
32) Benzoic acid	10.20	122	743	6.138	ng	# 84
51) 2,6-Dinitrotoluene	14.67	165	39025	7.947	ng	# 28
57) 2,4-Dinitrotoluene	14.67	165	39025	6.012	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1693	7.112	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	34594	4.144	ng	# 1

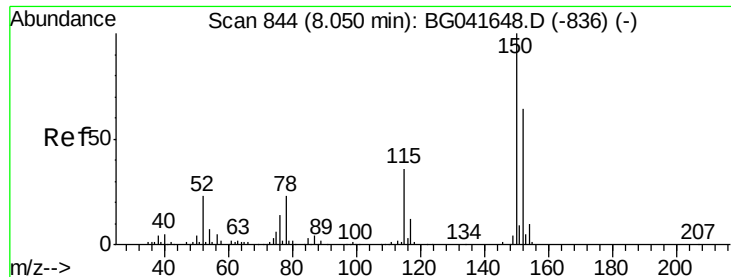
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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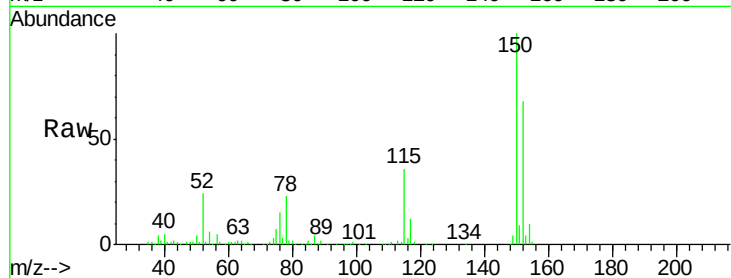


#1

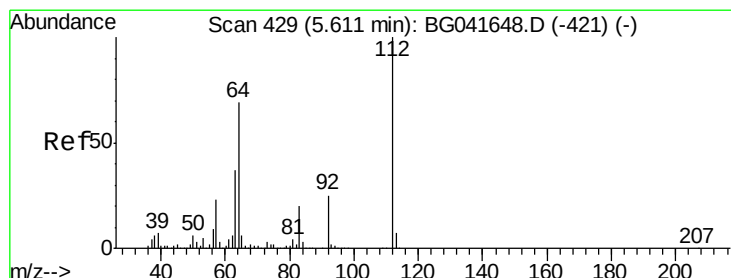
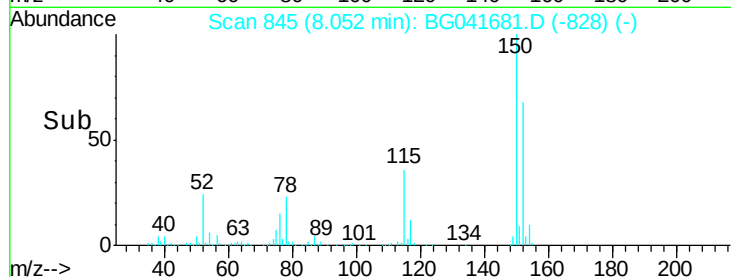
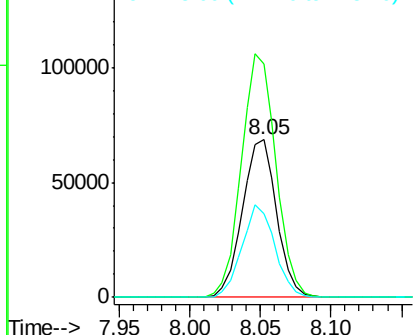
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Instrument :
BNA_G
ClientSampleId :
TR-04-071519

Tgt Ion:152 Resp: 116054
Ion Ratio Lower Upper
152 100
150 147.8 126.9 190.3
115 53.0 45.0 67.6



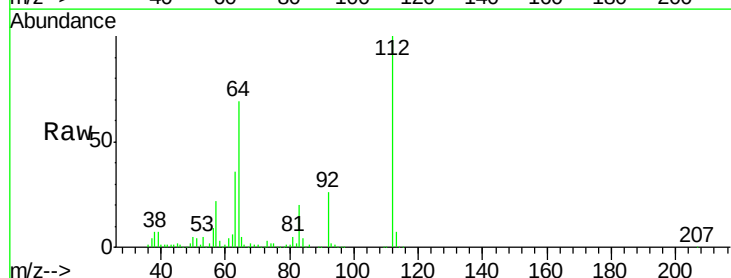
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



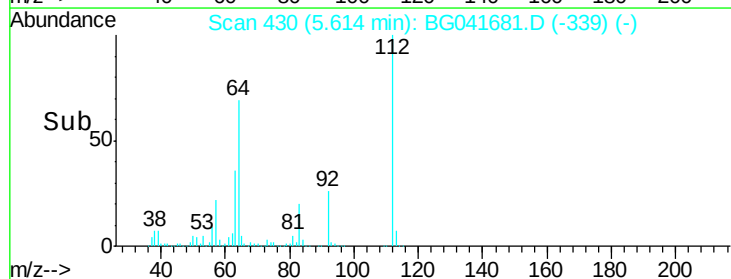
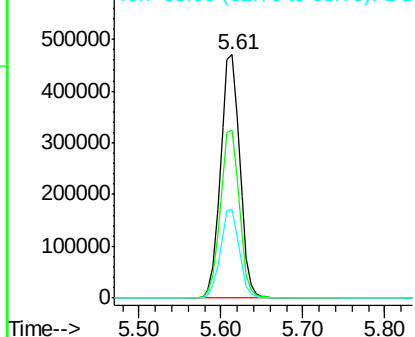
#5

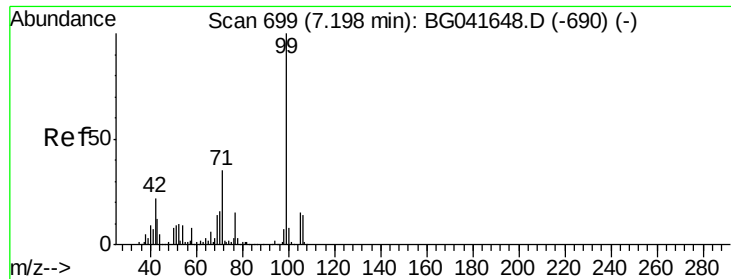
2-Fluorophenol
Concen: 108.848 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Tgt Ion:112 Resp: 772735
Ion Ratio Lower Upper
112 100
64 68.9 55.4 83.2
63 36.3 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 102.114 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041681.D

Acq: 17 Jul 2019 5:48

Instrument :

BNA_G

ClientSampleId :

TR-04-071519

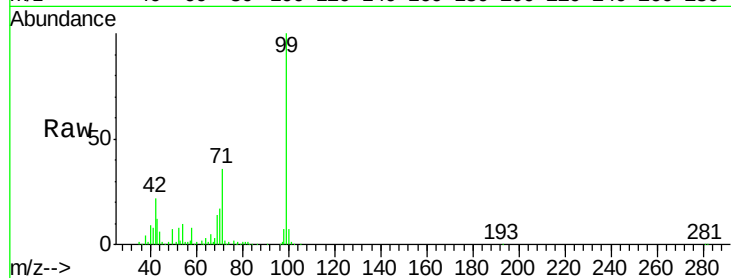
Tgt Ion: 99 Resp: 975060

Ion Ratio Lower Upper

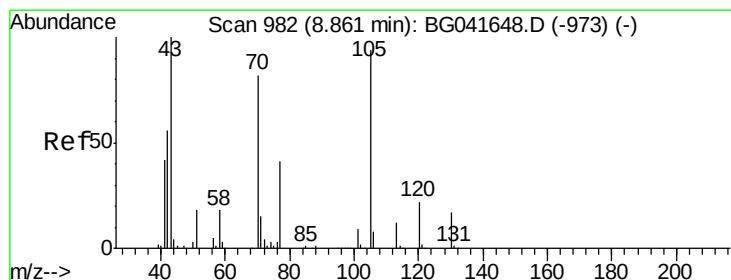
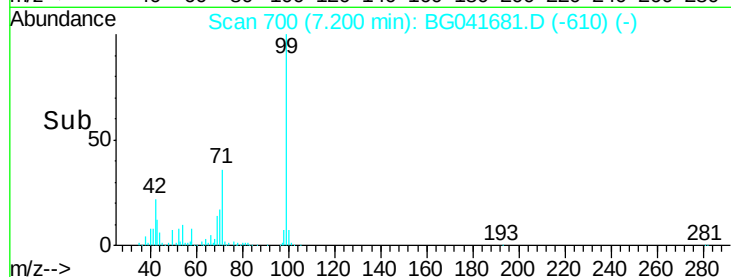
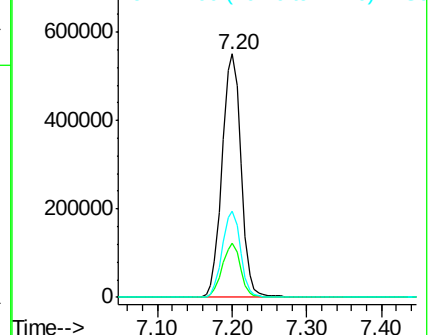
99 100

42 22.2 17.6 26.4

71 35.7 27.8 41.6



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: 14.402 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041681.D

Acq: 17 Jul 2019 5:48

Tgt Ion: 70 Resp: 100512

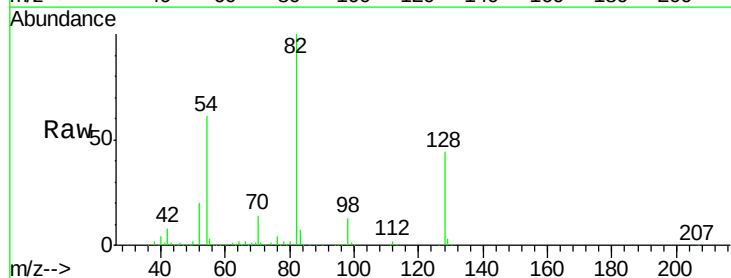
Ion Ratio Lower Upper

70 100

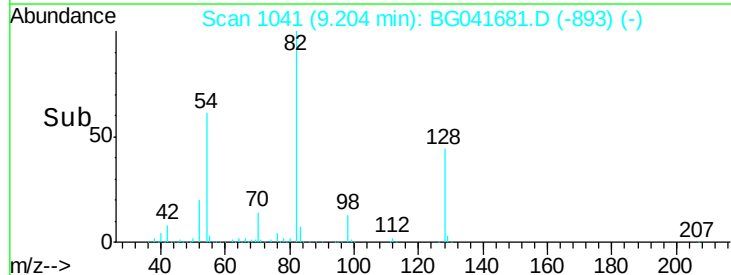
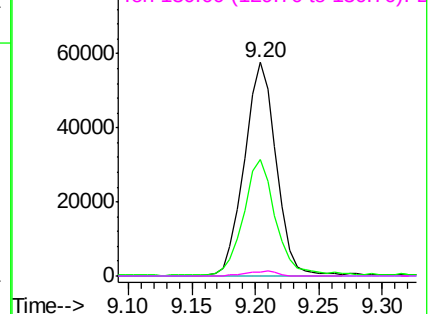
42 54.6 55.8 83.6#

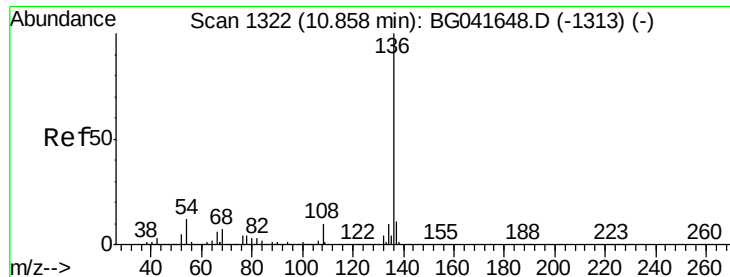
101 0.0 8.1 12.1#

130 1.7 17.3 25.9#



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

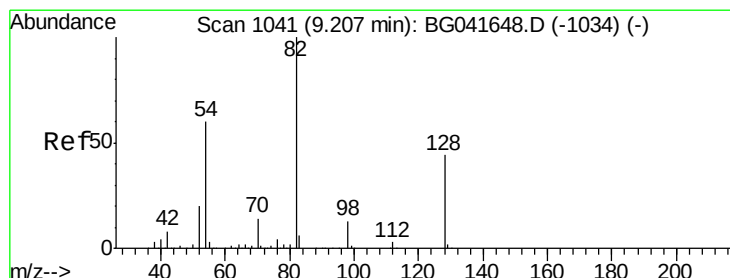
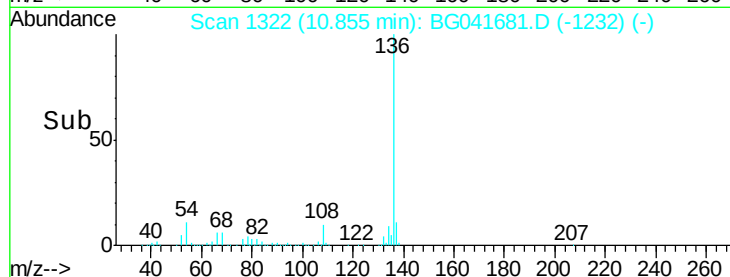
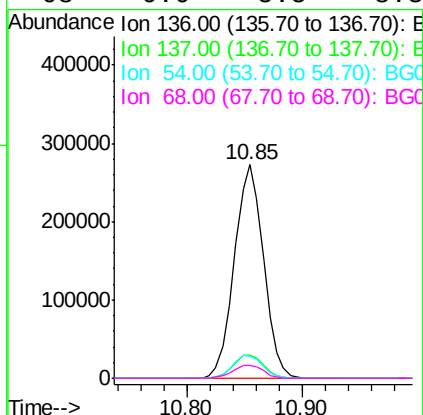
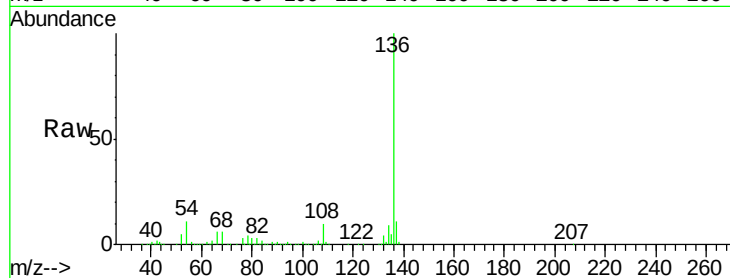




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

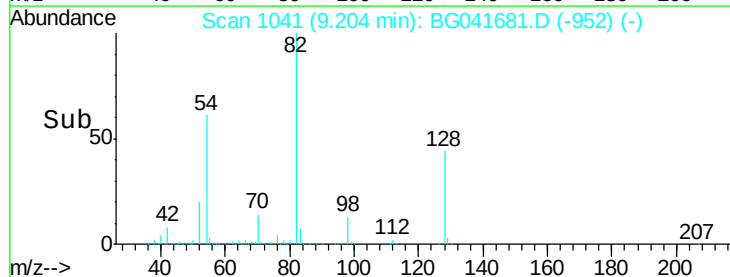
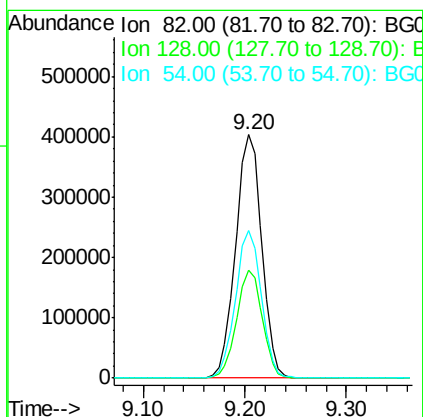
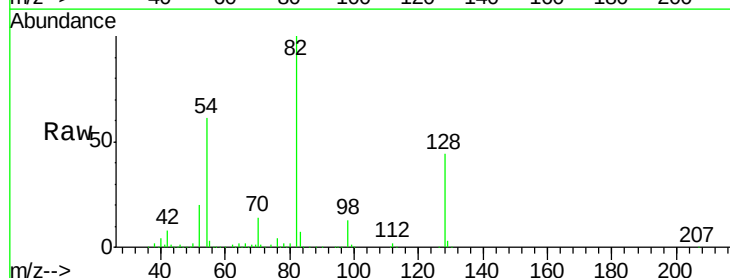
Instrument :
BNA_G
ClientSampleId :
TR-04-071519

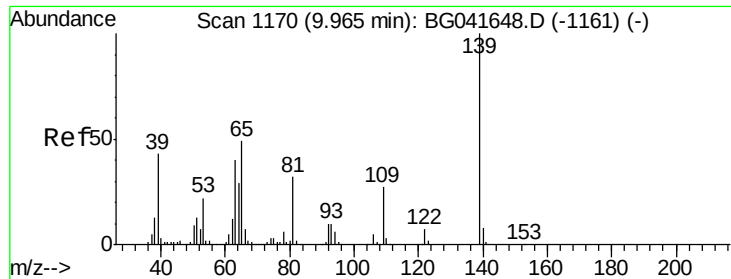
Tgt Ion:	136	Resp:	476161
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.5	8.7	13.1
68	6.0	5.5	8.3



#23
Nitrobenzene-d5
Concen: 92.126 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Tgt Ion:	82	Resp:	721312
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.1	52.7
54	60.8	48.7	73.1

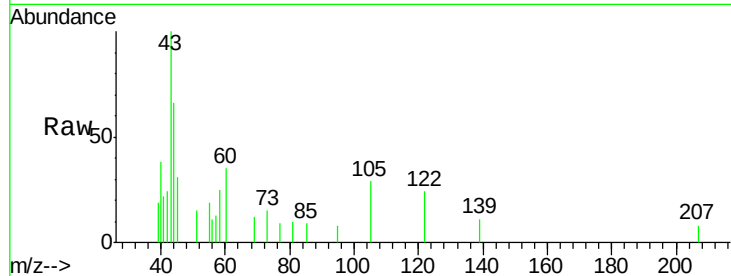




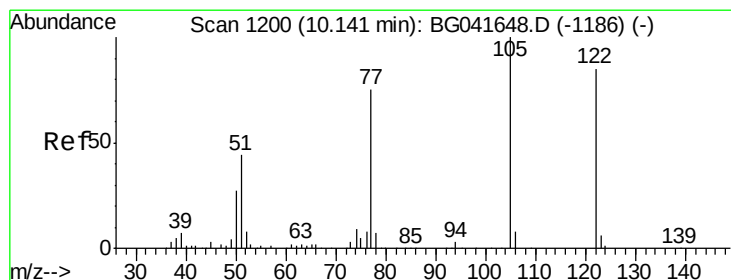
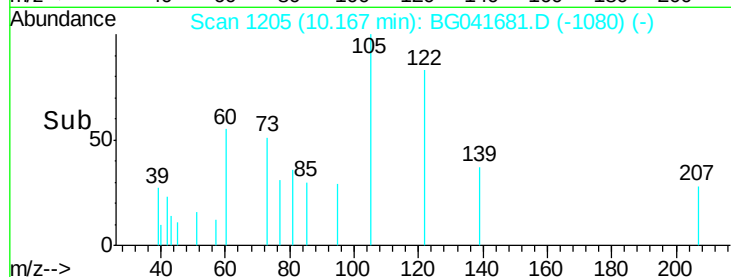
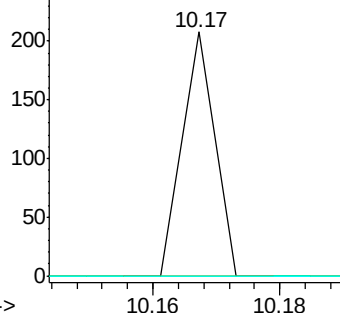
#26
2-Nitrophenol
Concen: 4.670 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.20 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Instrument :
BNA_G
ClientSampleId :
TR-04-071519

Tgt Ion:139 Resp: 73
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 41.1 61.7#

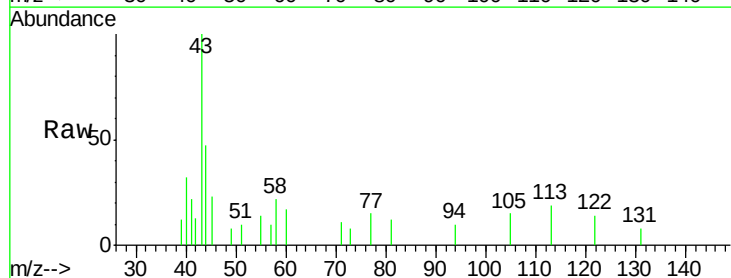


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

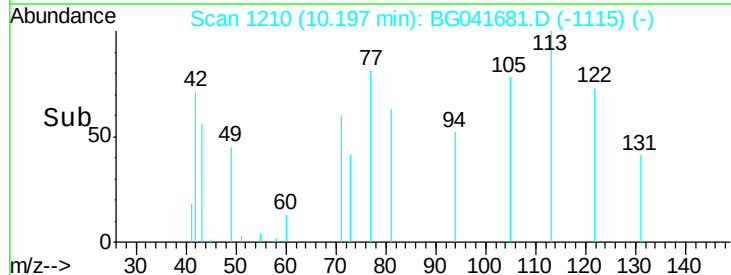
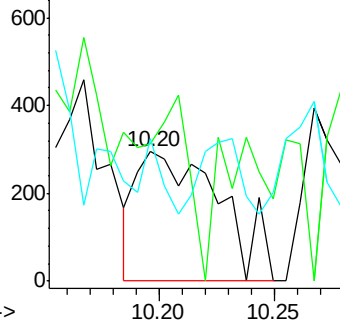


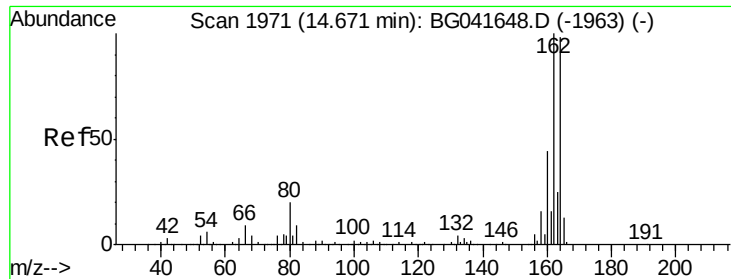
#32
Benzoic acid
Concen: 6.138 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.03 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Tgt Ion:122 Resp: 743
Ion Ratio Lower Upper
122 100
105 106.1 101.5 141.5
77 110.2 73.0 113.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
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: BG041681.D

Acq: 17 Jul 2019 5:48

Instrument :

BNA_G

ClientSampleId :

TR-04-071519

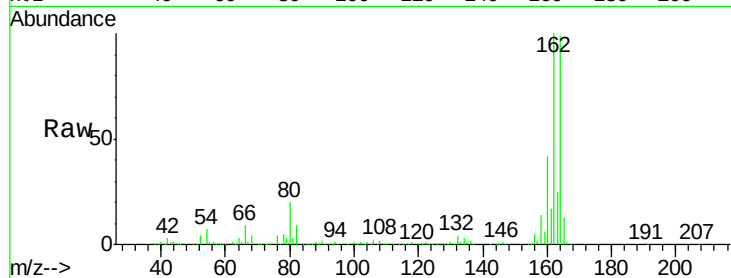
Tgt Ion:164 Resp: 294780

Ion Ratio Lower Upper

164 100

162 100.8 79.6 119.4

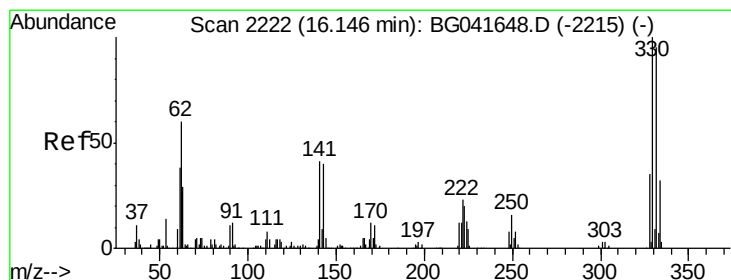
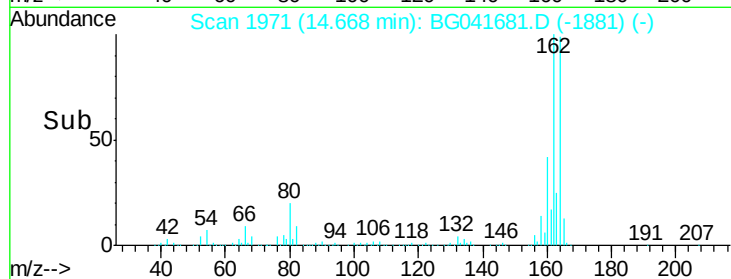
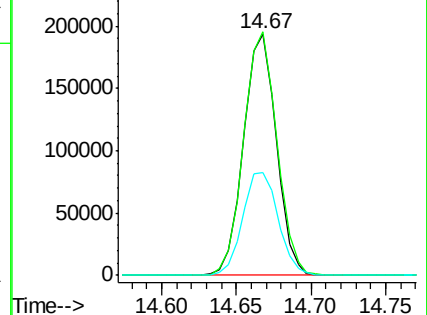
160 42.4 35.4 53.0



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: 130.887 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041681.D

Acq: 17 Jul 2019 5:48

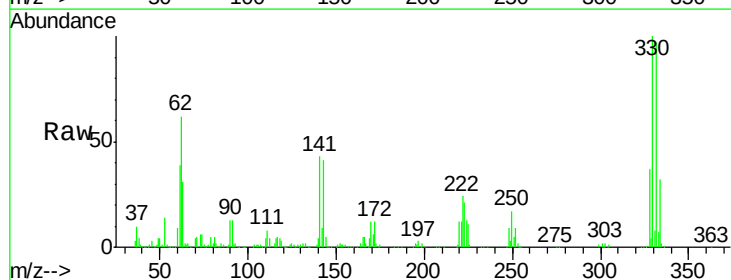
Tgt Ion:330 Resp: 434824

Ion Ratio Lower Upper

330 100

332 95.4 77.4 116.0

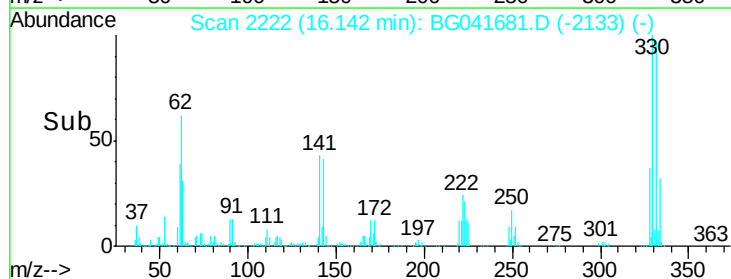
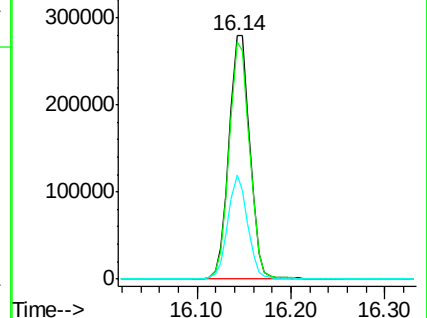
141 40.2 31.9 47.9

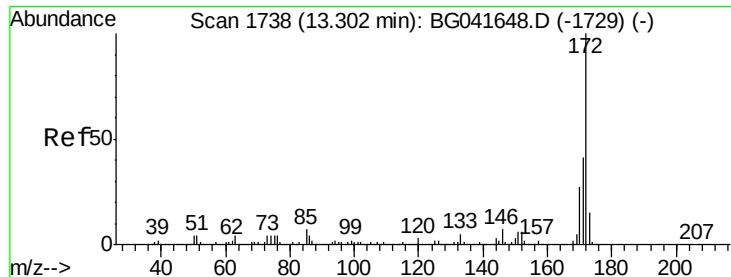


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

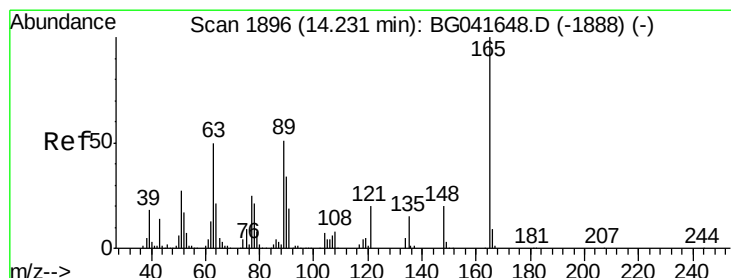
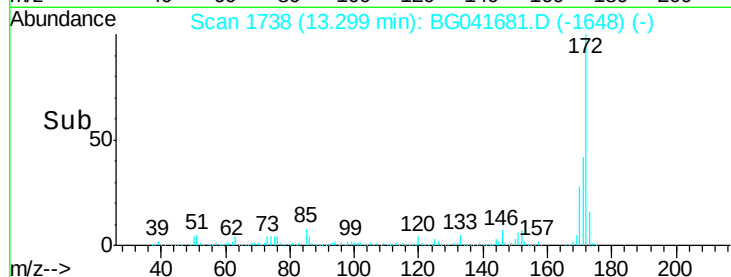
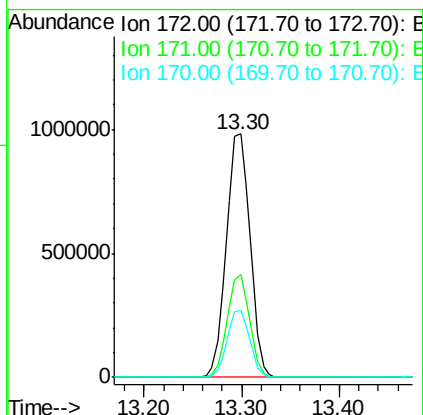
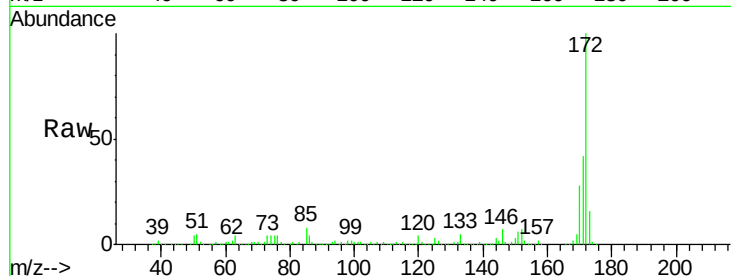




#45
2-Fluorobiphenyl
Concen: 86.682 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

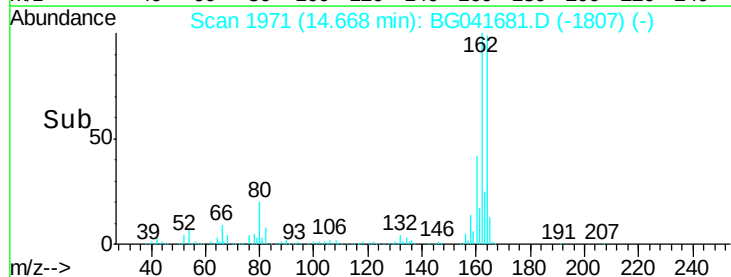
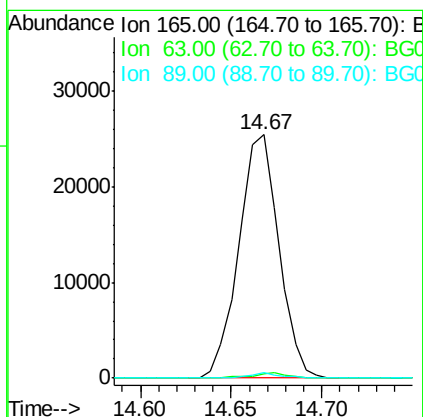
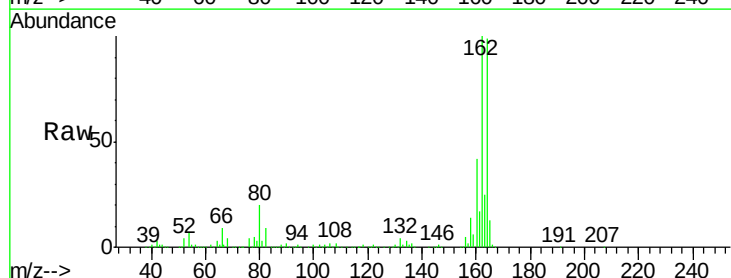
Instrument :
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TR-04-071519

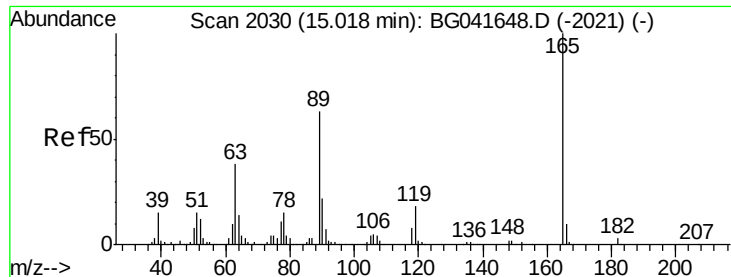
Tgt Ion:172 Resp: 1650131
Ion Ratio Lower Upper
172 100
171 42.0 35.0 52.4
170 27.6 23.5 35.3



#51
2,6-Dinitrotoluene
Concen: 7.947 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.43 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Tgt Ion:165 Resp: 39025
Ion Ratio Lower Upper
165 100
63 1.8 42.4 63.6#
89 2.2 42.1 63.1#

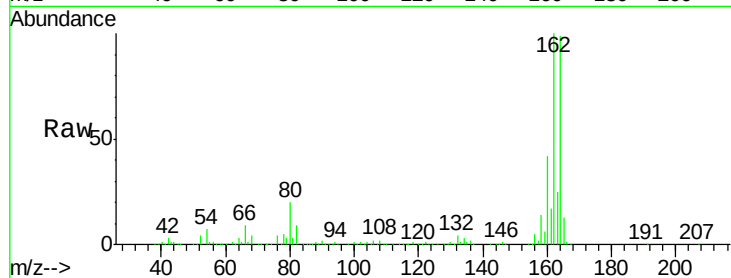




#57
 2,4-Dinitrotoluene
 Concen: 6.012 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.35 min
 Lab File: BG041681.D
 Acq: 17 Jul 2019 5:48

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-071519

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	31.7	47.5#
89	2.2	50.2	75.4#
182	0.0	2.6	4.0#

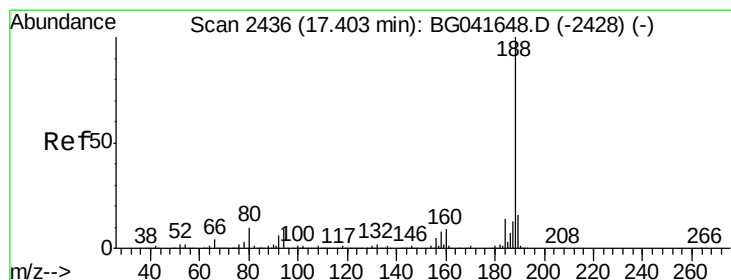
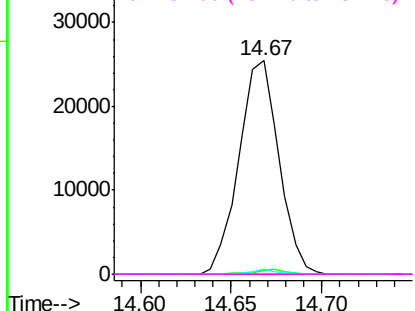
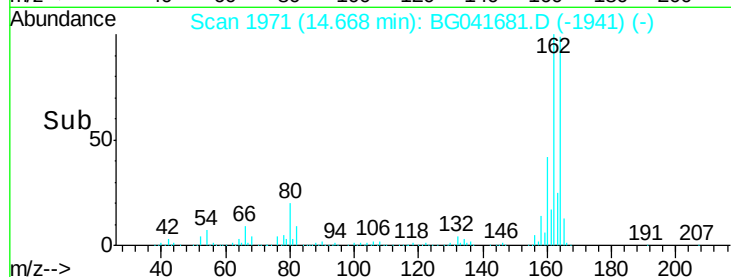


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

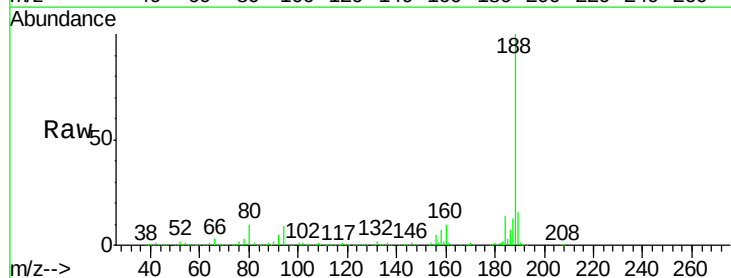
Ion 89.00 (88.70 to 89.70): BGC

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: BG041681.D
 Acq: 17 Jul 2019 5:48

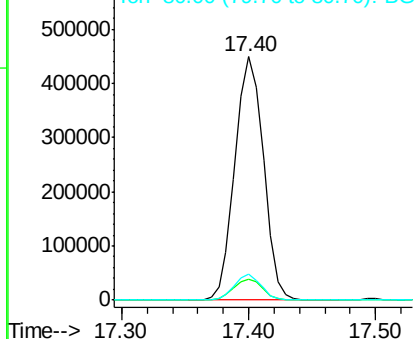
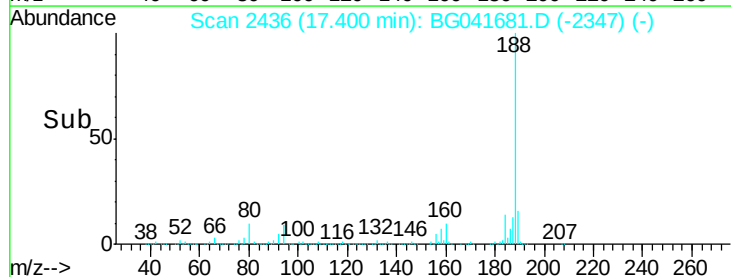
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.4	8.0	12.0

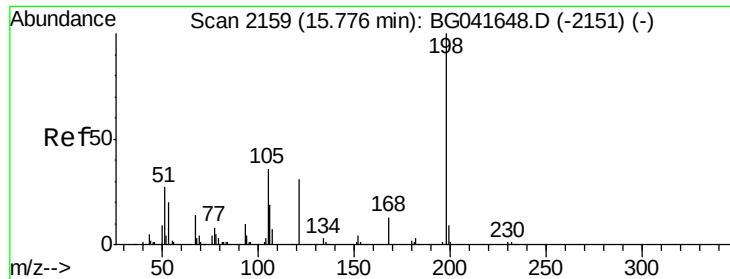


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.112 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.36 min

Lab File: BG041681.D

Acq: 17 Jul 2019 5:48

Instrument :

BNA_G

ClientSampleId :

TR-04-071519

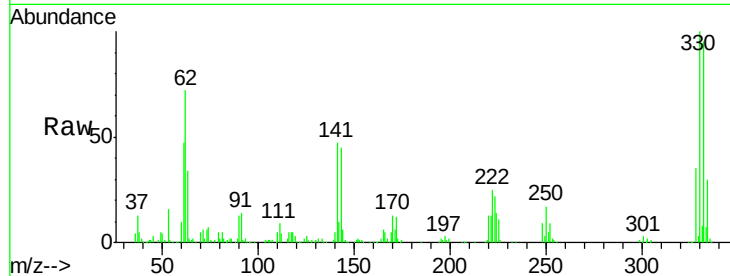
Tgt Ion:198 Resp: 1693

Ion Ratio Lower Upper

198 100

51 124.0 22.3 62.3#

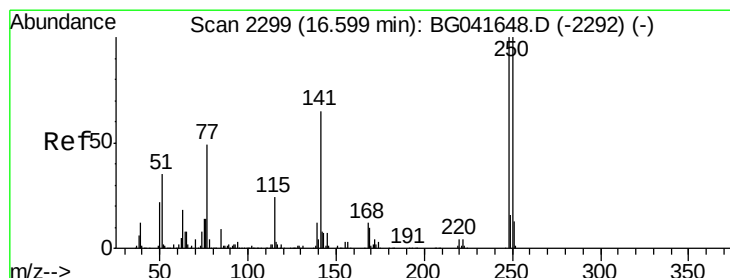
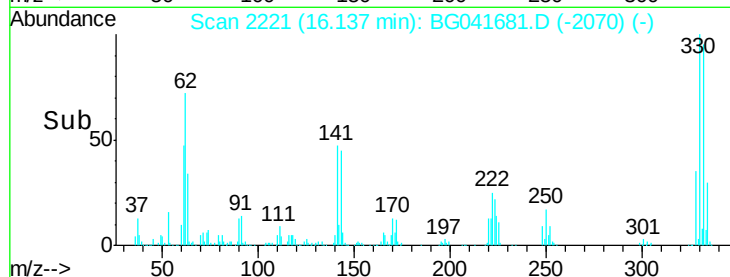
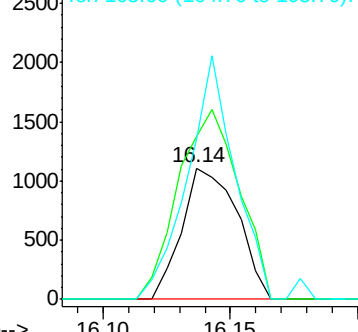
105 122.7 18.0 58.0#



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: 4.144 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041681.D

Acq: 17 Jul 2019 5:48

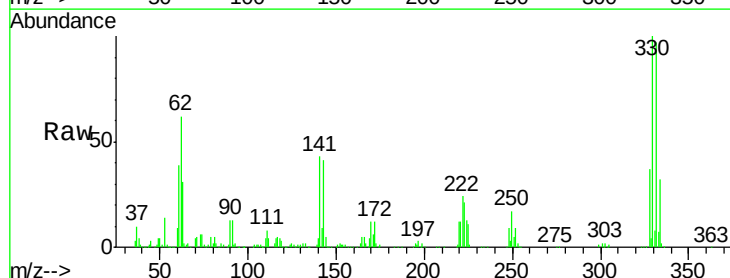
Tgt Ion:248 Resp: 34594

Ion Ratio Lower Upper

248 100

250 190.7 78.1 117.1#

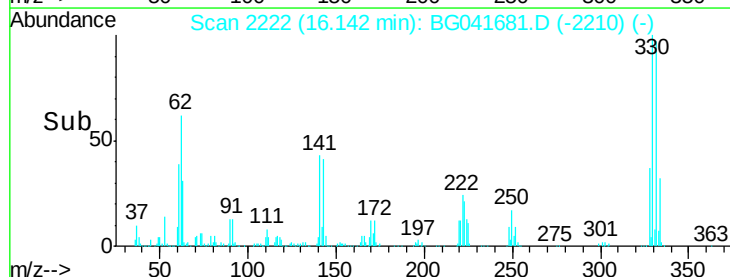
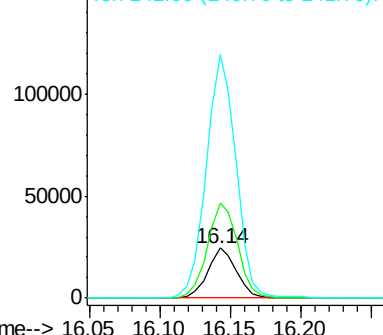
141 489.0 49.6 74.4#

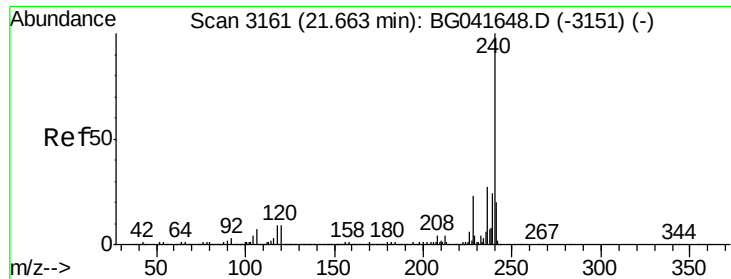


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

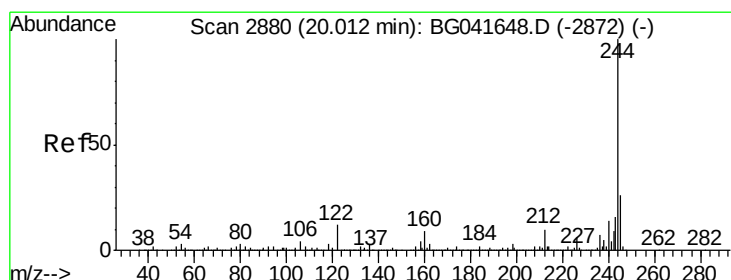
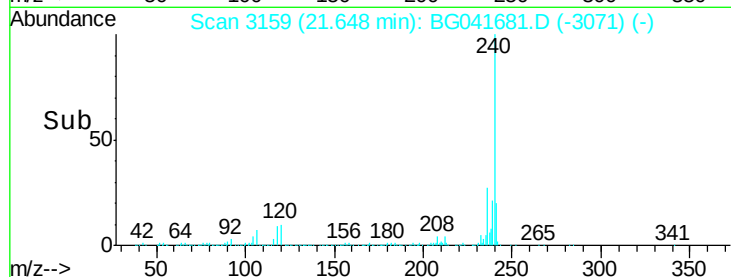
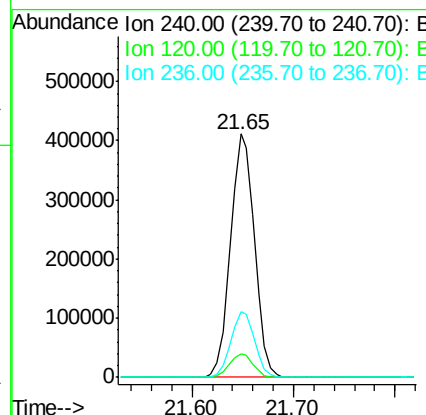
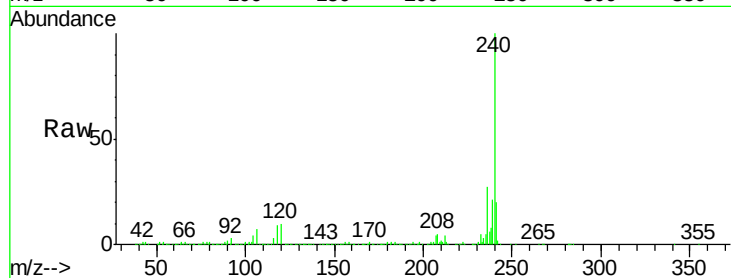




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3159
Delta R.T. -0.01 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

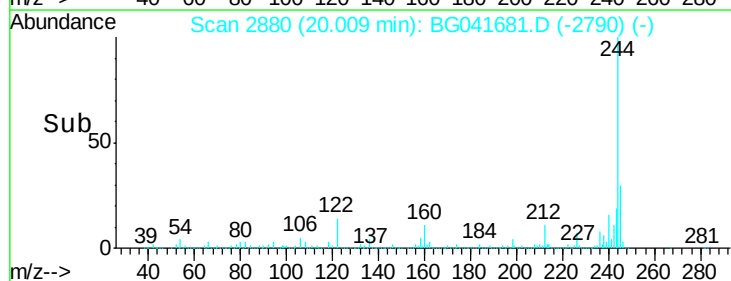
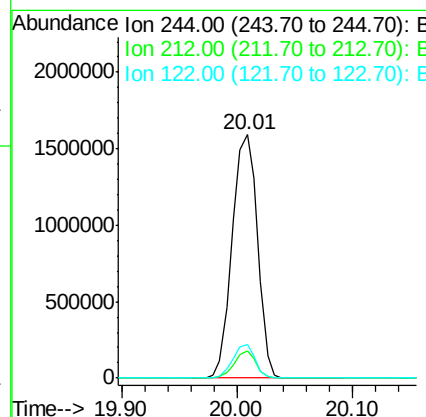
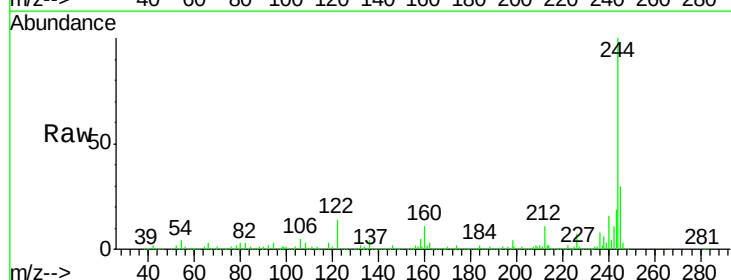
Instrument :
BNA_G
ClientSampleId :
TR-04-071519

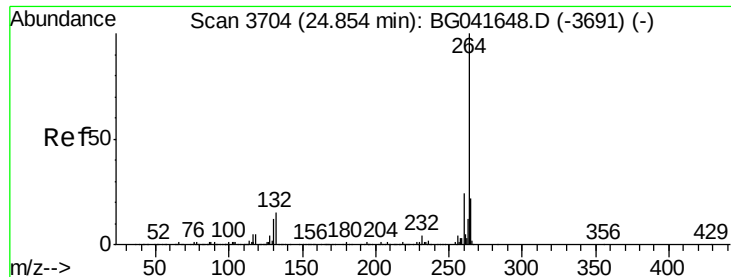
Tgt Ion:240 Resp: 672107
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 27.1 22.6 33.8



#79
Terphenyl-d14
Concen: 83.938 ng
RT: 20.01 min Scan# 2880
Delta R.T. -0.00 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Tgt Ion:244 Resp: 2414146
Ion Ratio Lower Upper
244 100
212 11.3 9.7 14.5
122 13.9 12.5 18.7





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3703
Delta R.T. -0.02 min
Lab File: BG041681.D
Acq: 17 Jul 2019 5:48

Instrument :
BNA_G
ClientSampleId :
TR-04-071519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	18.0	27.0

