

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041656.D
 Acq On : 15 Jul 2019 19:33
 Operator : HP/JU
 Sample : K3740-08RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 16 07:51:28 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	99351	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	399282	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	249199	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	602392	20.00	ng	0.00
76) Chrysene-d12	21.66	240	584759	20.00	ng	0.00
87) Perylene-d12	24.85	264	643712	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	690457	113.61	ng	0.00
7) Phenol-d6	7.20	99	861767	105.42	ng	0.00
23) Nitrobenzene-d5	9.21	82	650154	99.03	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	417685	148.73	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1517502	94.30	ng	0.00
79) Terphenyl-d14	20.01	244	2306227	92.16	ng	0.00

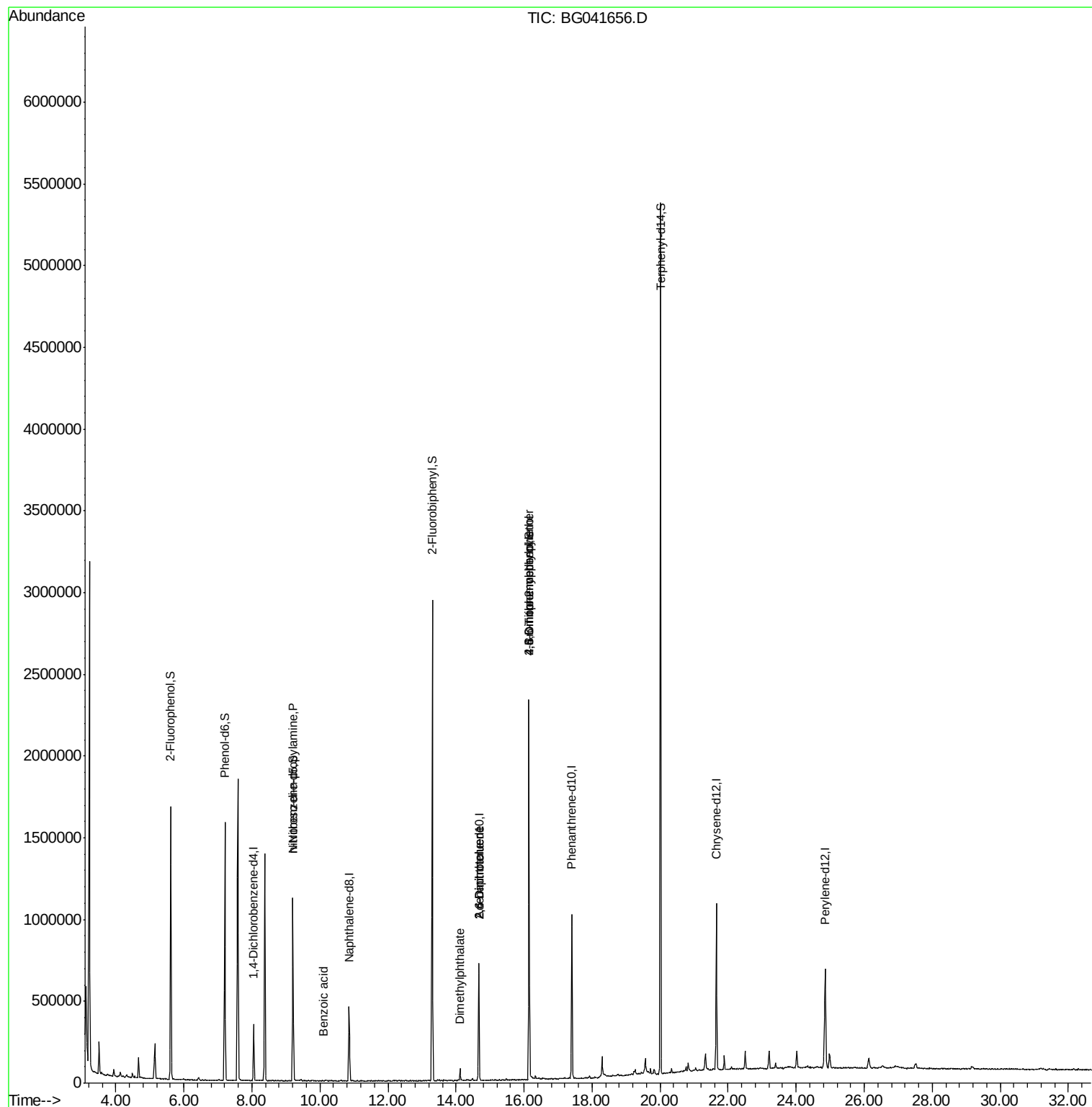
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.20	77	1536	Below Cal	#	14
19) n-Nitroso-di-n-propylamine	9.21	70	91382	15.295	ng	# 74
32) Benzoic acid	10.10	122	56	6.023	ng	# 46
50) Dimethylphthalate	14.12	163	48499	2.478	ng	# 95
51) 2,6-Dinitrotoluene	14.67	165	34120	8.219	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	34120	6.218	ng	# 29
65) 4,6-Dinitro-2-methylphenol	16.15	198	1302	7.066	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	33236	4.637	ng	# 1

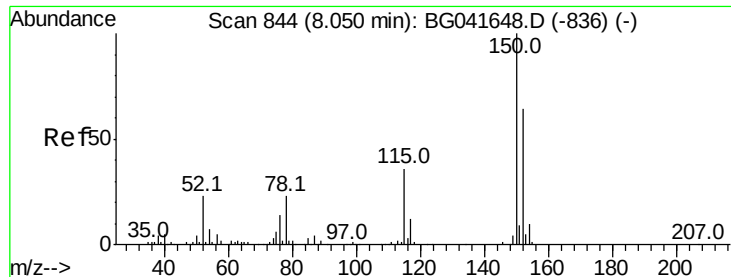
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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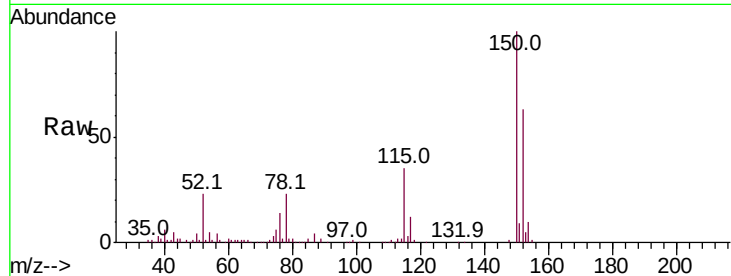


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.9	190.3
115	55.5	45.0	67.6

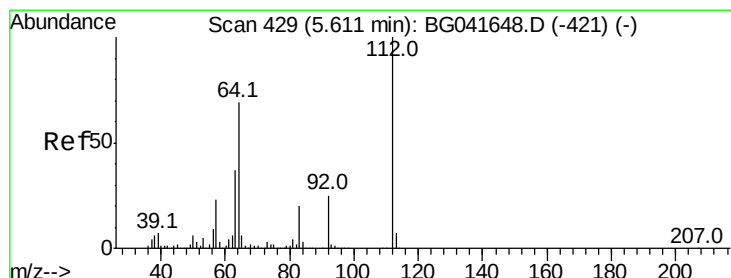
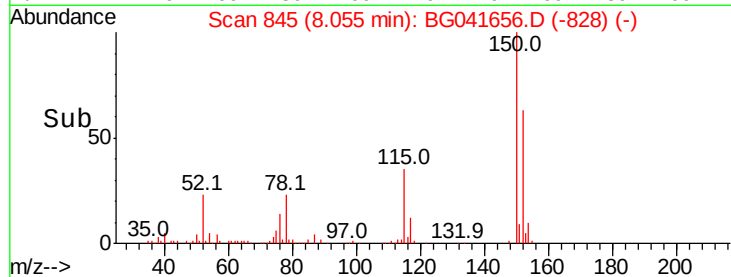
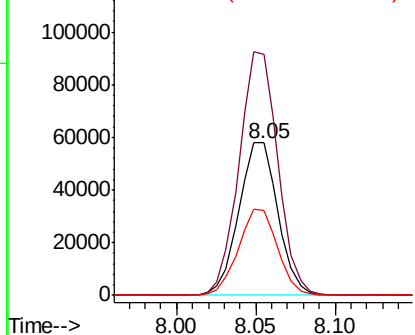


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

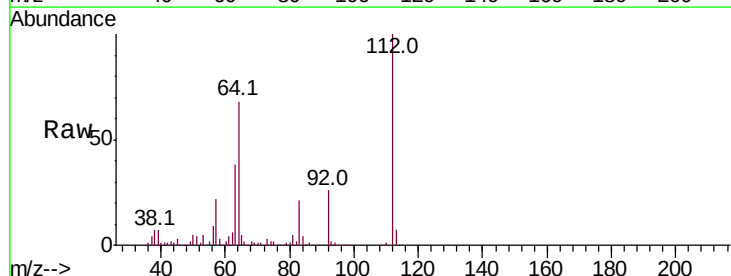
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.610 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	55.4	83.2
63	37.8	29.1	43.7

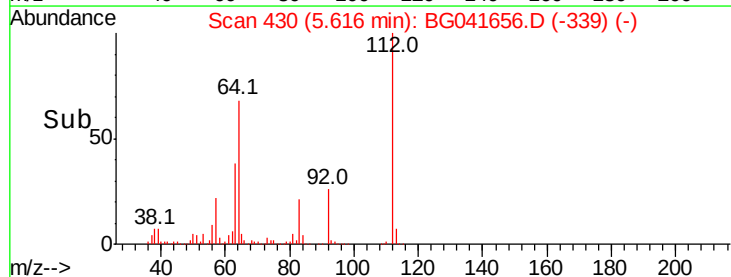
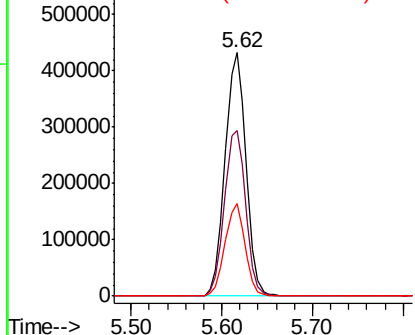


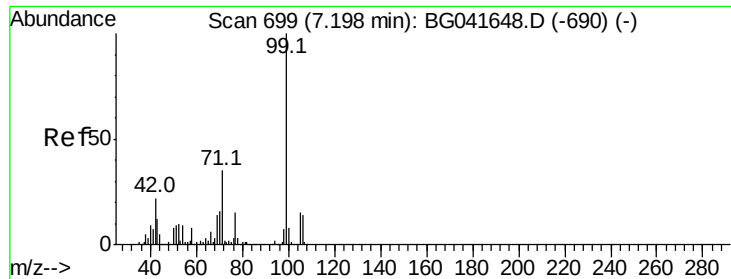
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 105.422 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

Instrument :

BNA_G

ClientSampleId :

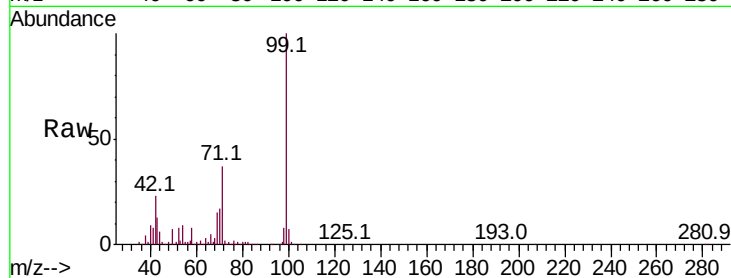
Tot Ion: 99 Resp: 861767

Ion Ratio Lower Upper

99 100

42 22.7 17.6 26.4

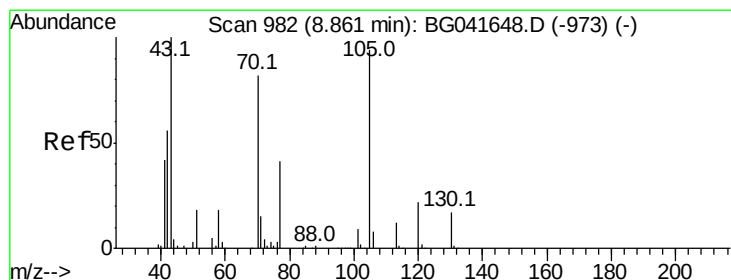
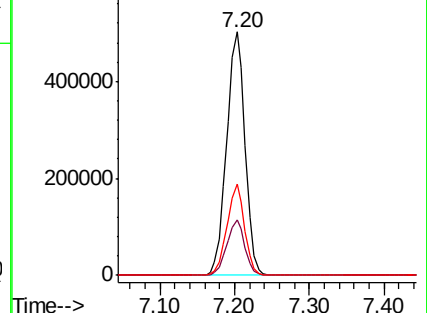
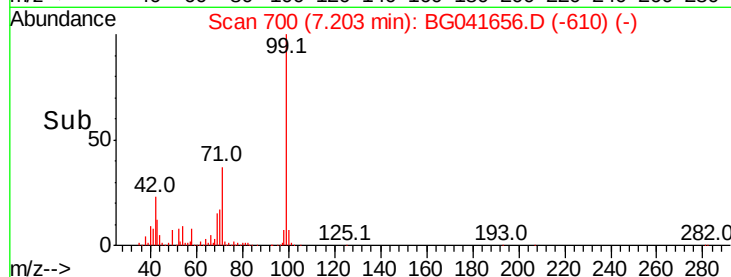
71 37.3 27.8 41.6



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: 15.295 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

Tgt Ion: 70 Resp: 91382

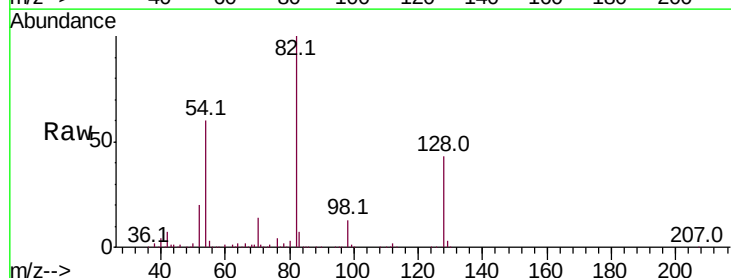
Ion Ratio Lower Upper

70 100

42 52.2 55.8 83.6#

101 0.0 8.1 12.1#

130 2.1 17.3 25.9#

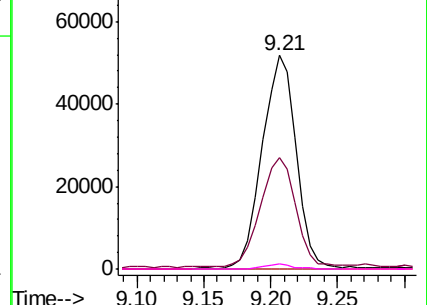
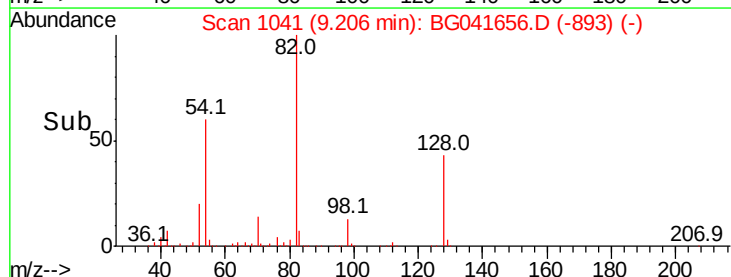


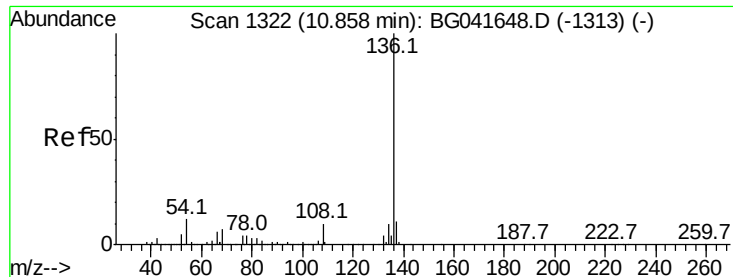
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

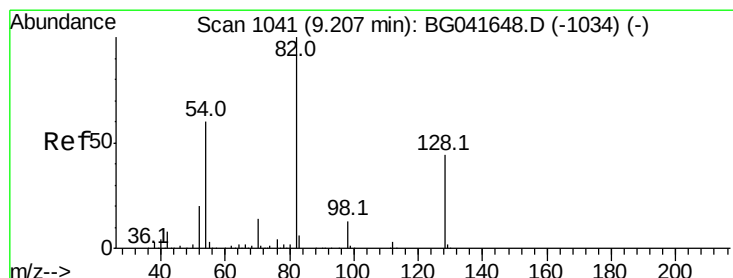
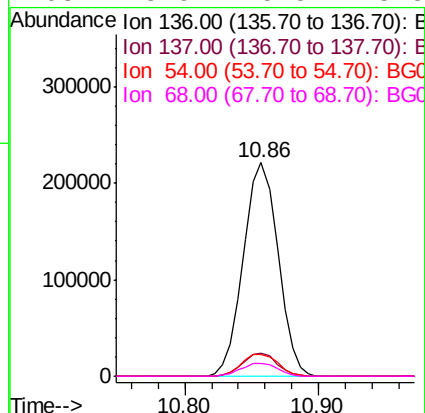
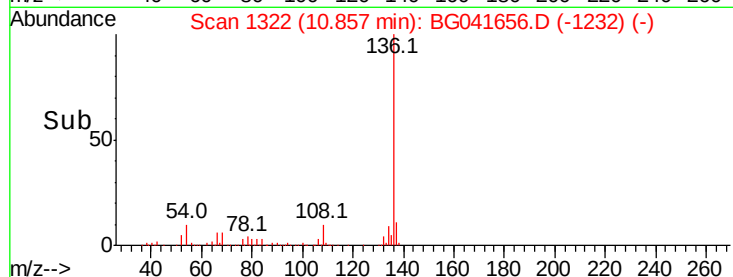
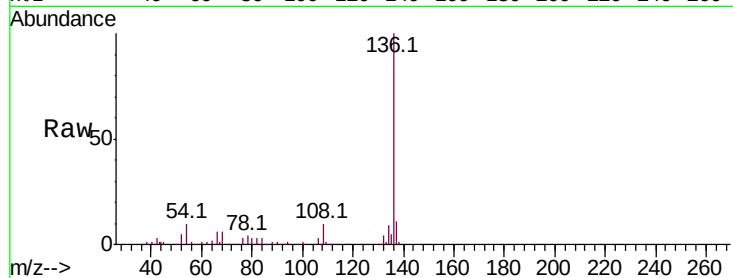




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. 0.00 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

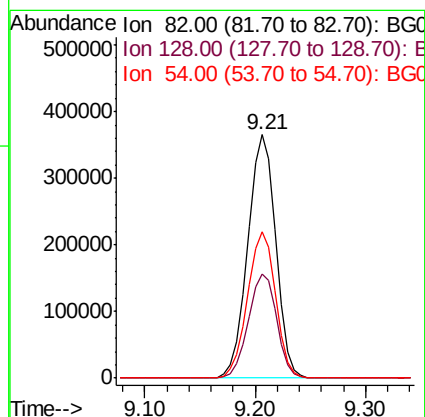
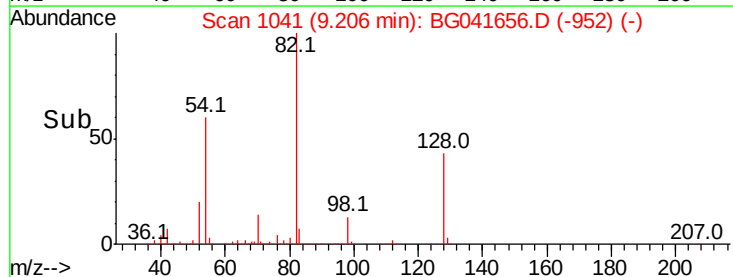
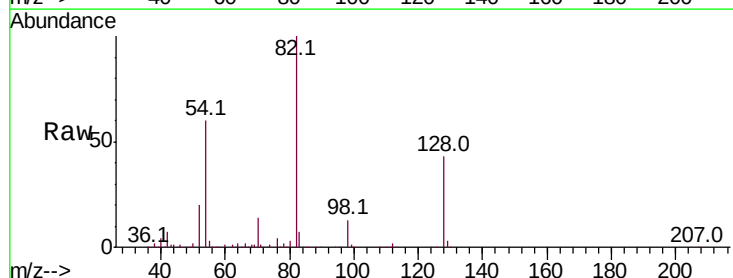
Instrument :
BNA_G
ClientSampleId :

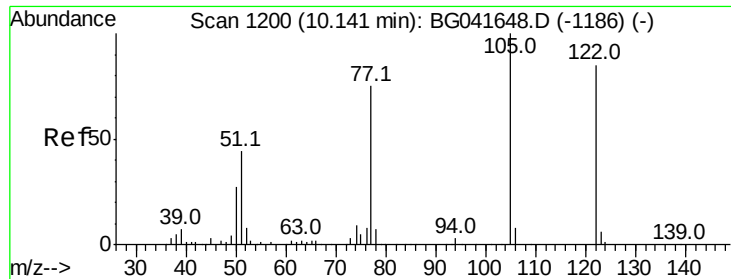
Tot Ion:136	Resp:	399282
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	10.5	8.7 13.1
68	5.9	5.5 8.3



#23
Nitrobenzene-d5
Concen: 99.026 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

Tgt Ion: 82	Resp:	650154
Ion Ratio	Lower	Upper
82	100	
128	42.8	35.1 52.7
54	60.3	48.7 73.1

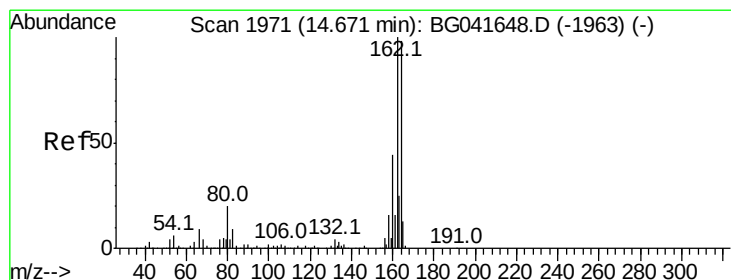
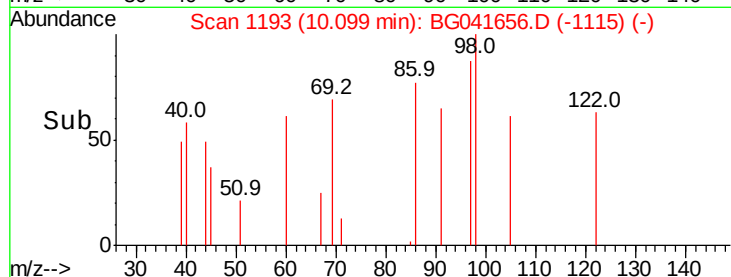
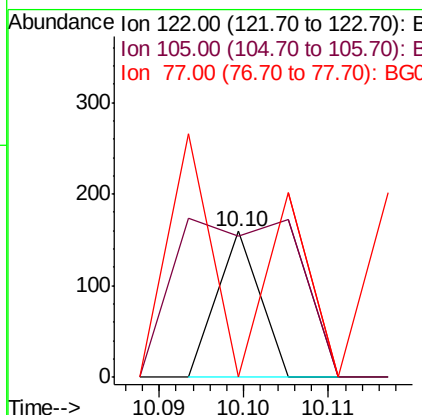
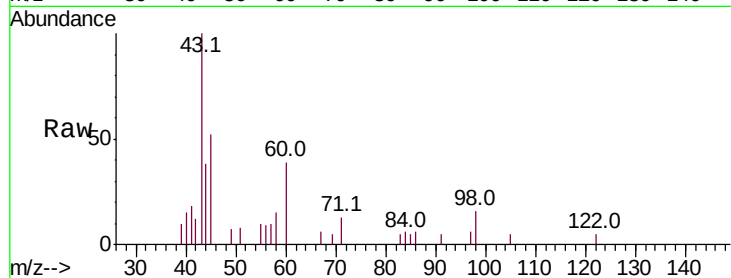




#32
Benzoic acid
Concen: 6.023 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.07 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

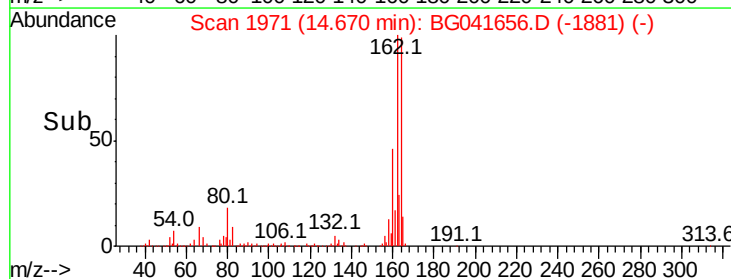
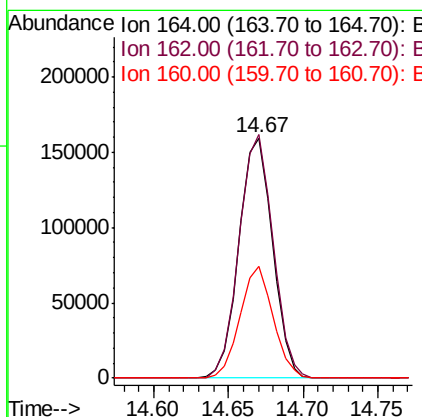
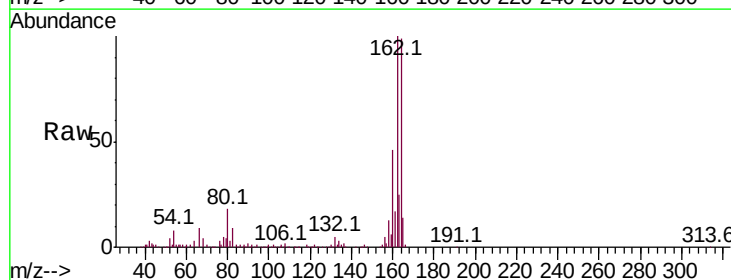
Instrument :
BNA_G
ClientSampled :

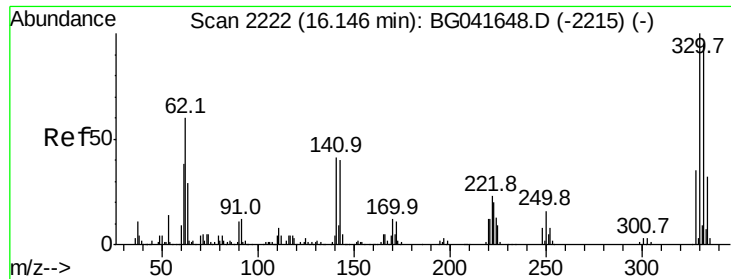
Tot Ion	Ratio	Lower	Upper
122	100		
105	96.9	101.5	141.5#
77	0.0	73.0	113.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG041656.D
Acq: 15 Jul 2019 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.6	119.4
160	46.3	35.4	53.0

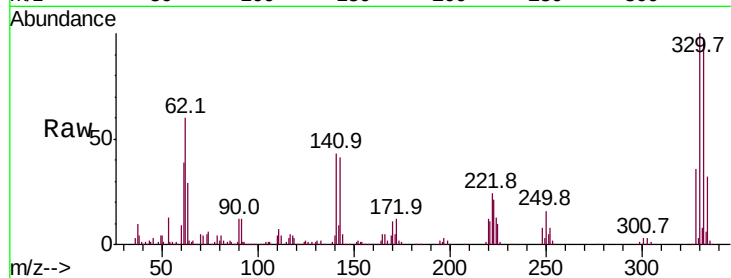




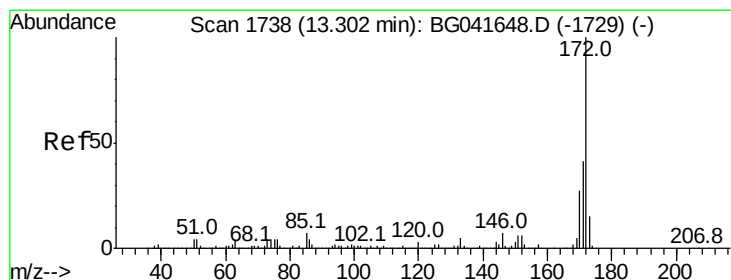
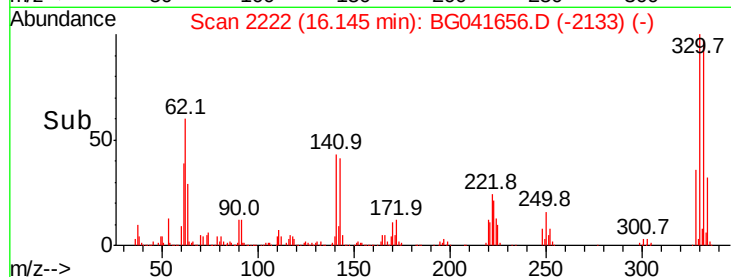
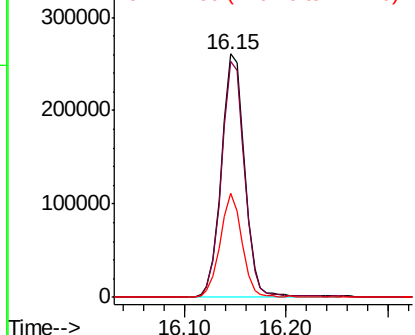
#42
 2,4,6-Tribromophenol
 Concen: 148.725 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG041656.D
 Acq: 15 Jul 2019 19:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	40.1	31.9	47.9

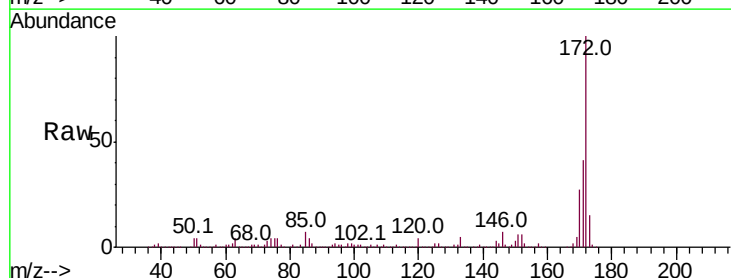


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

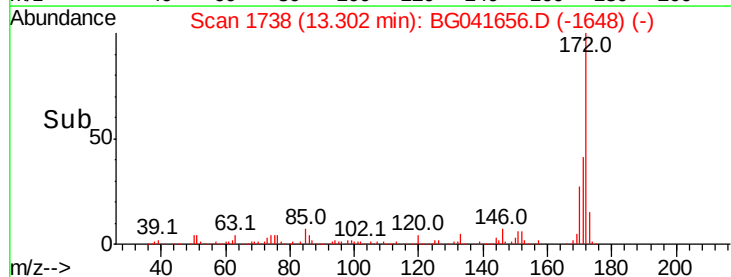
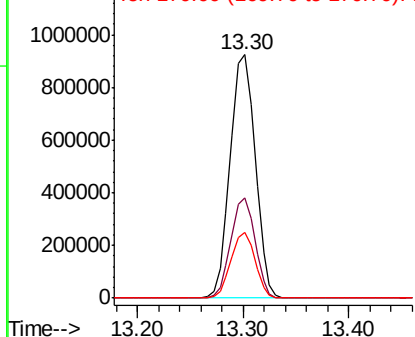


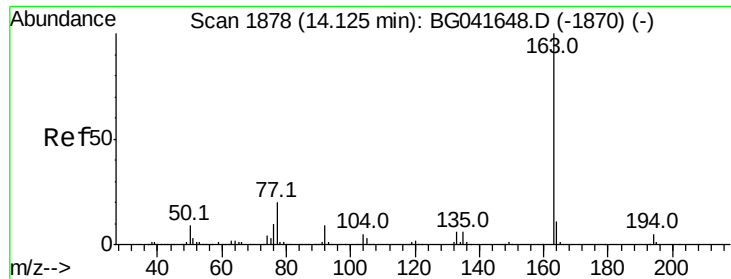
#45
 2-Fluorobiphenyl
 Concen: 94.296 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BG041656.D
 Acq: 15 Jul 2019 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.1	35.0	52.4
170	27.2	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: 2.478 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

Instrument :

BNA_G

ClientSampleId :

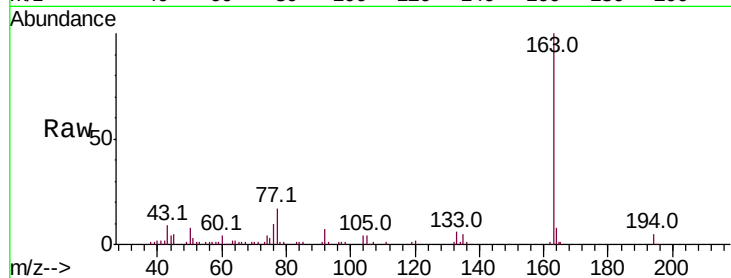
Tot Ion:163 Resp: 48499

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

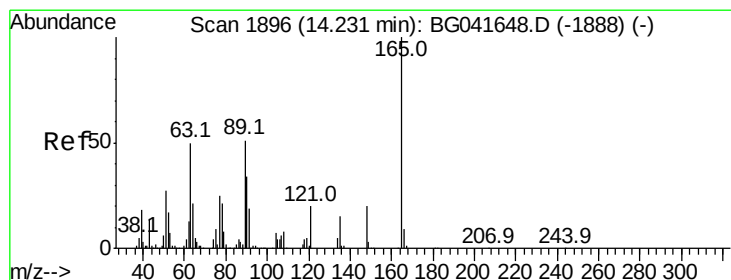
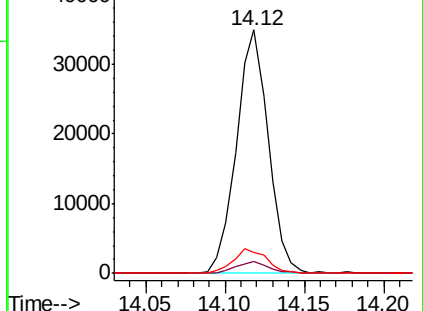
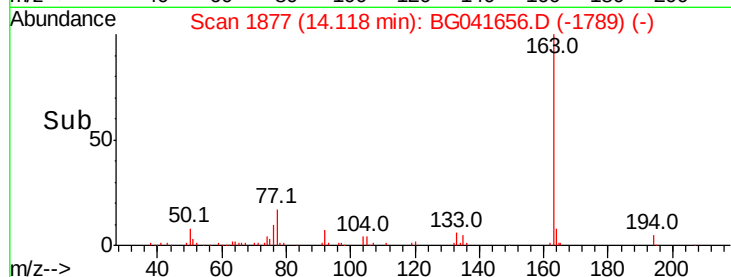
164 9.1 9.4 14.2#



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



#51

2,6-Dinitrotoluene

Concen: 8.219 ng

RT: 14.67 min Scan# 1971

Delta R.T. 0.44 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

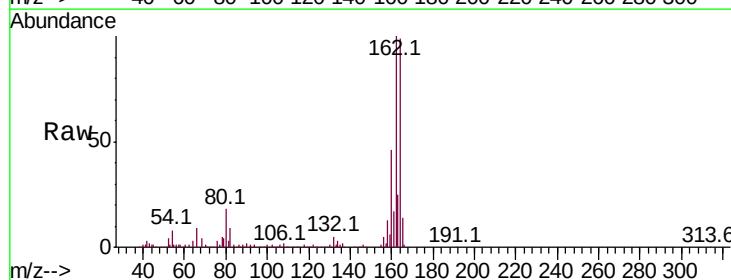
Tgt Ion:165 Resp: 34120

Ion Ratio Lower Upper

165 100

63 0.0 42.4 63.6#

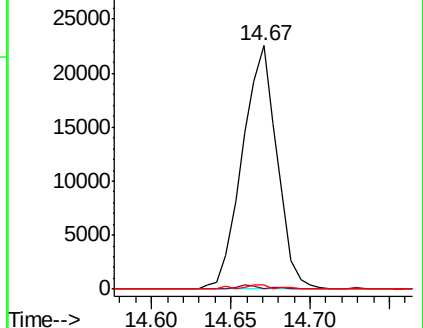
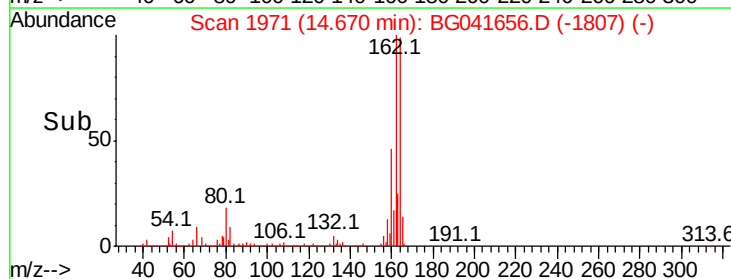
89 1.6 42.1 63.1#

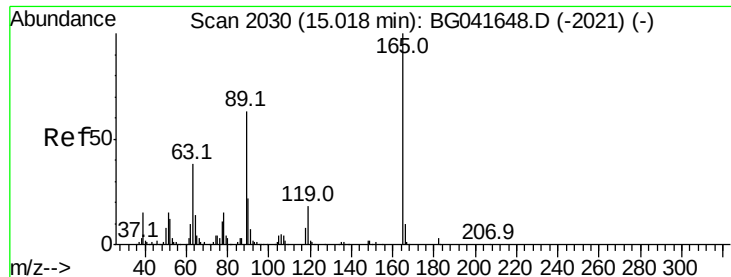


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

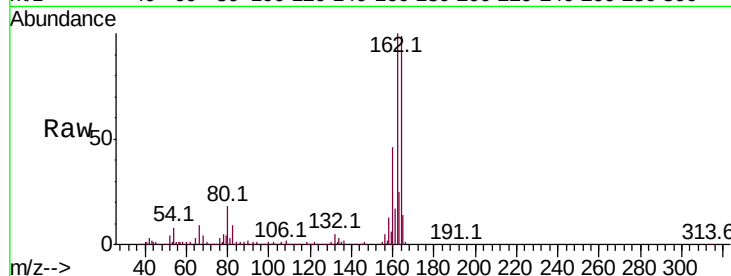




#57
 2,4-Dinitrotoluene
 Concen: 6.218 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.35 min
 Lab File: BG041656.D
 Acq: 15 Jul 2019 19:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.7	47.5#
89	1.6	50.2	75.4#
182	0.0	2.6	4.0#

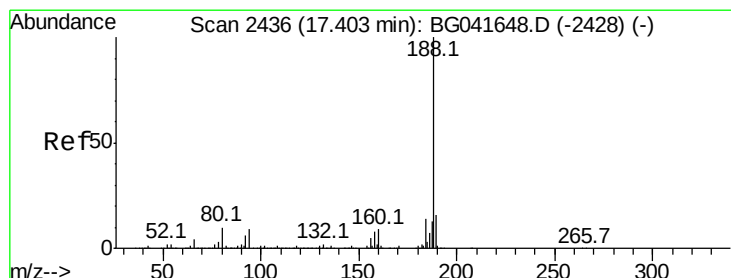
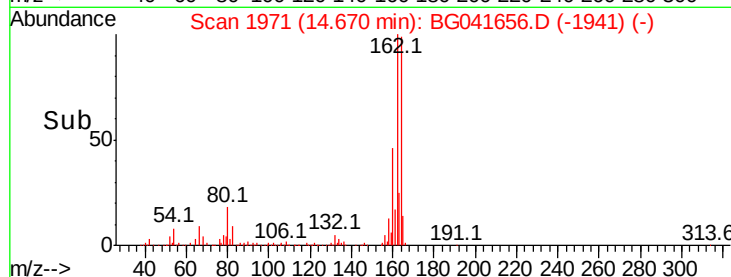
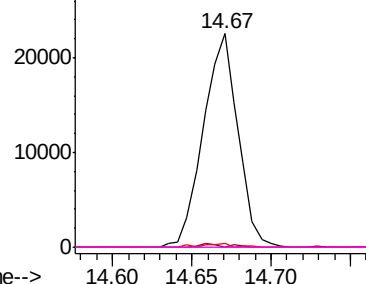


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

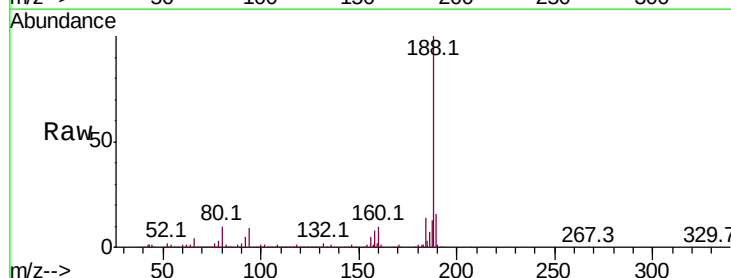
Ion 89.00 (88.70 to 89.70): BGC

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: BG041656.D
 Acq: 15 Jul 2019 19:33

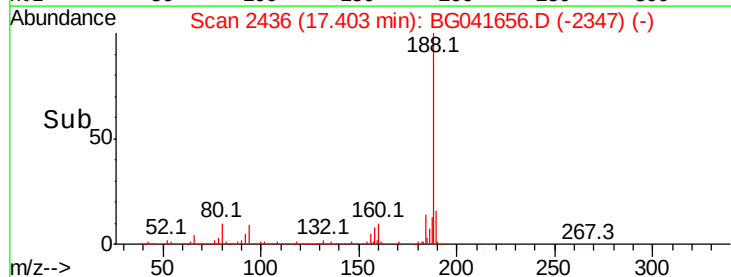
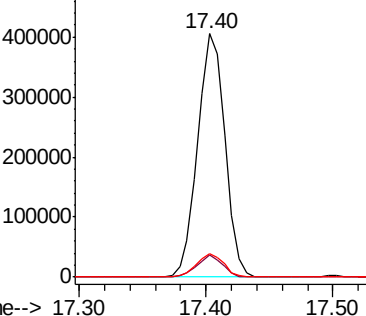
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	9.6	8.0	12.0

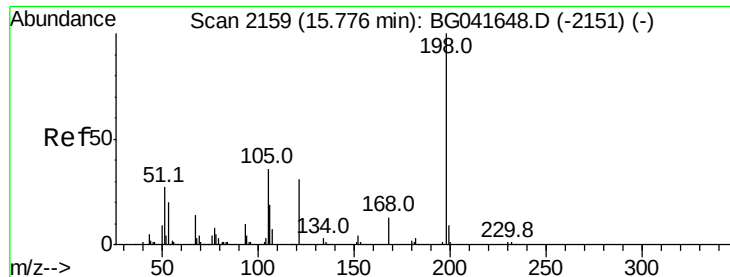


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.066 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.37 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

Instrument :

BNA_G

ClientSampled :

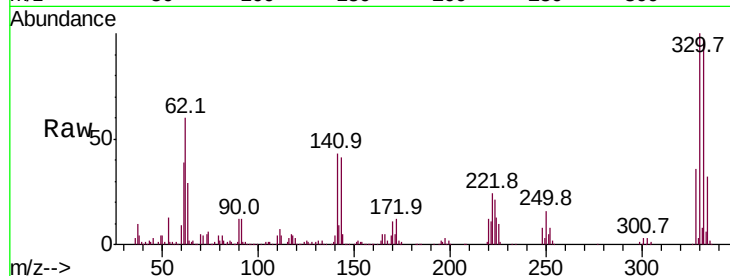
Tot Ion:198 Resp: 1302

Ion Ratio Lower Upper

198 100

51 189.6 22.3 62.3#

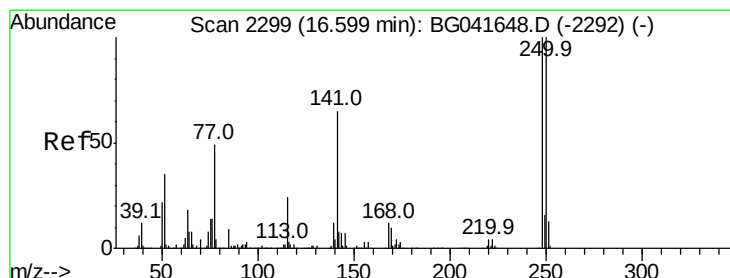
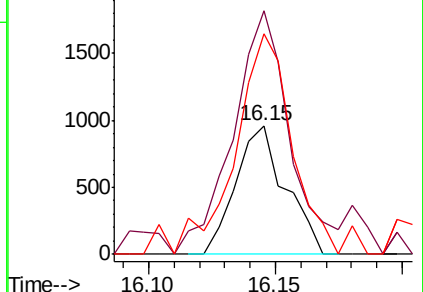
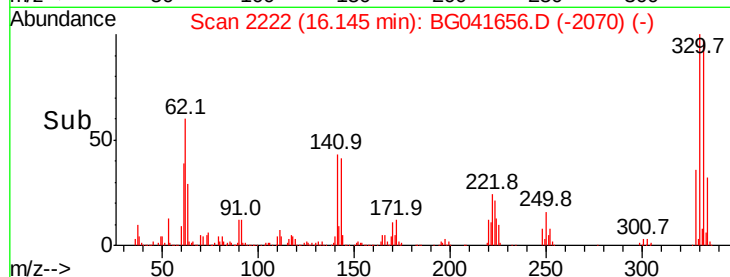
105 172.1 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.637 ng

RT: 16.15 min Scan# 2222

Delta R.T. -0.46 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

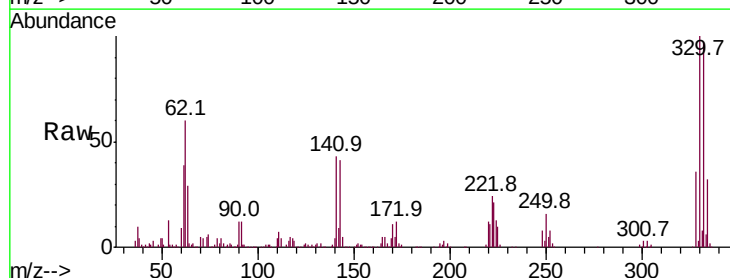
Tgt Ion:248 Resp: 33236

Ion Ratio Lower Upper

248 100

250 201.8 78.1 117.1#

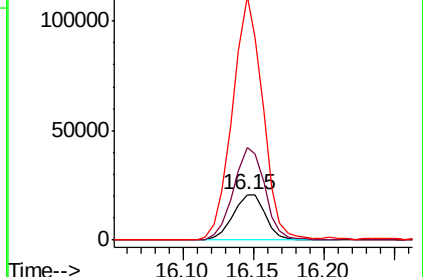
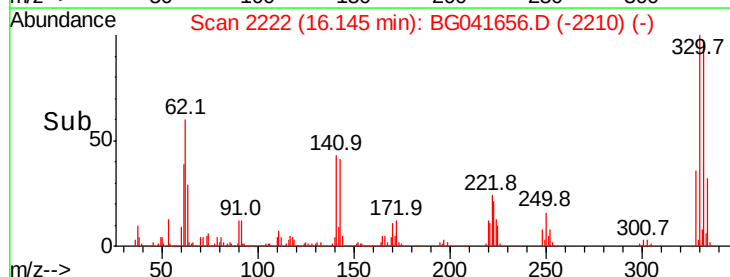
141 532.7 49.6 74.4#

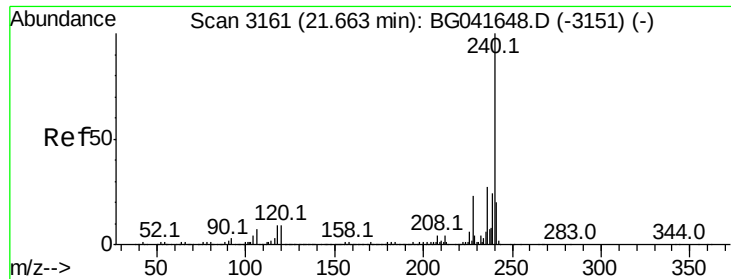


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG041656.D

Acq: 15 Jul 2019 19:33

Instrument :

BNA_G

ClientSampleId :

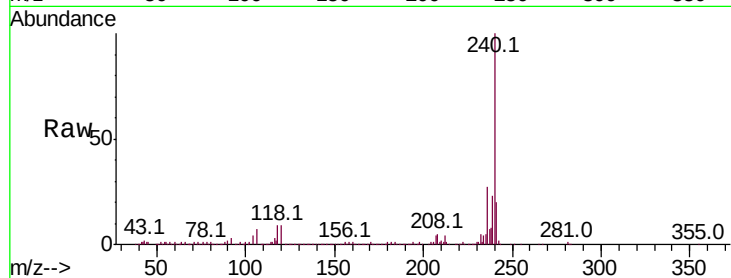
Tot Ion:240 Resp: 584759

Ion Ratio Lower Upper

240 100

120 9.1 8.0 12.0

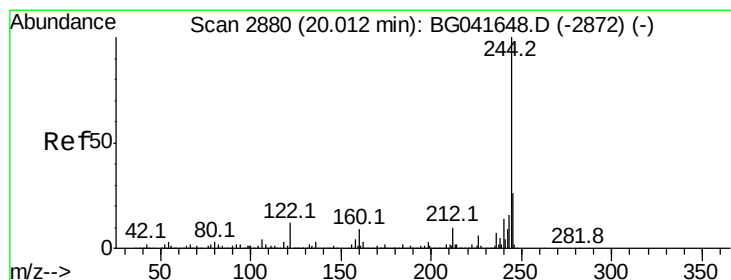
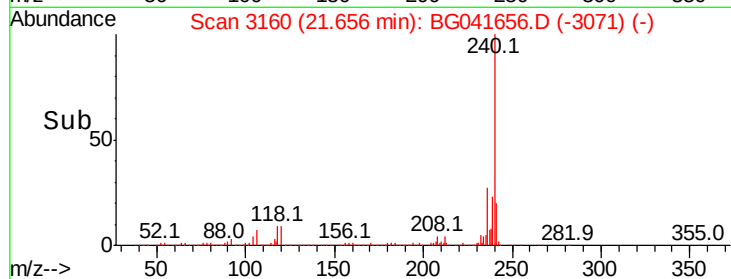
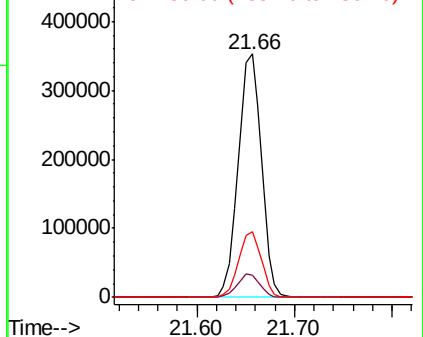
236 27.2 22.6 33.8



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: 92.164 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041656.D

Acq: 15 Jul 2019 19:33

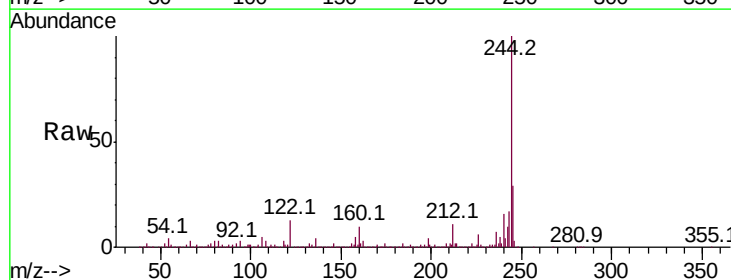
Tgt Ion:244 Resp: 2306227

Ion Ratio Lower Upper

244 100

212 10.7 9.7 14.5

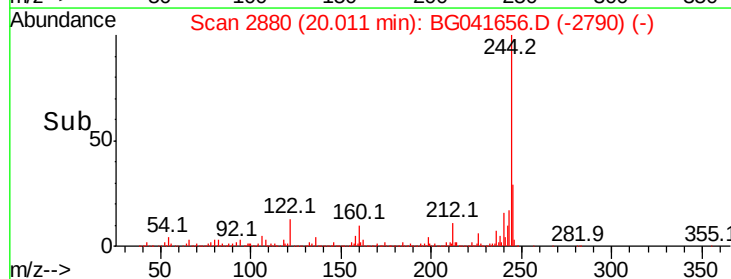
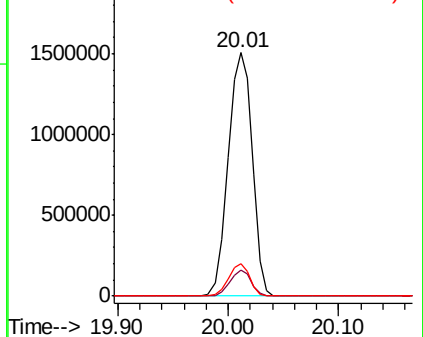
122 13.4 12.5 18.7

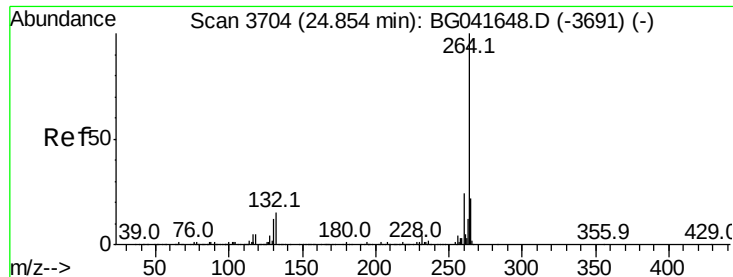


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG041656.D
Acq: 15 Jul 2019 19:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.0	18.0	27.0

