

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072319\
 Data File : BG041756.D
 Acq On : 23 Jul 2019 14:22
 Operator : HP/JU
 Sample : K3934-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 24 02:19:58 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	99485	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	387529	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	263901	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	590914	20.00	ng	-0.01
76) Chrysene-d12	21.64	240	635616	20.00	ng	-0.02
87) Perylene-d12	24.83	264	746720	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	487370	80.09	ng	0.00
7) Phenol-d6	7.19	99	657746	80.36	ng	0.00
23) Nitrobenzene-d5	9.20	82	392746	61.63	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	310000	104.23	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	850771	49.92	ng	-0.01
79) Terphenyl-d14	20.00	244	1404299	51.63	ng	-0.01

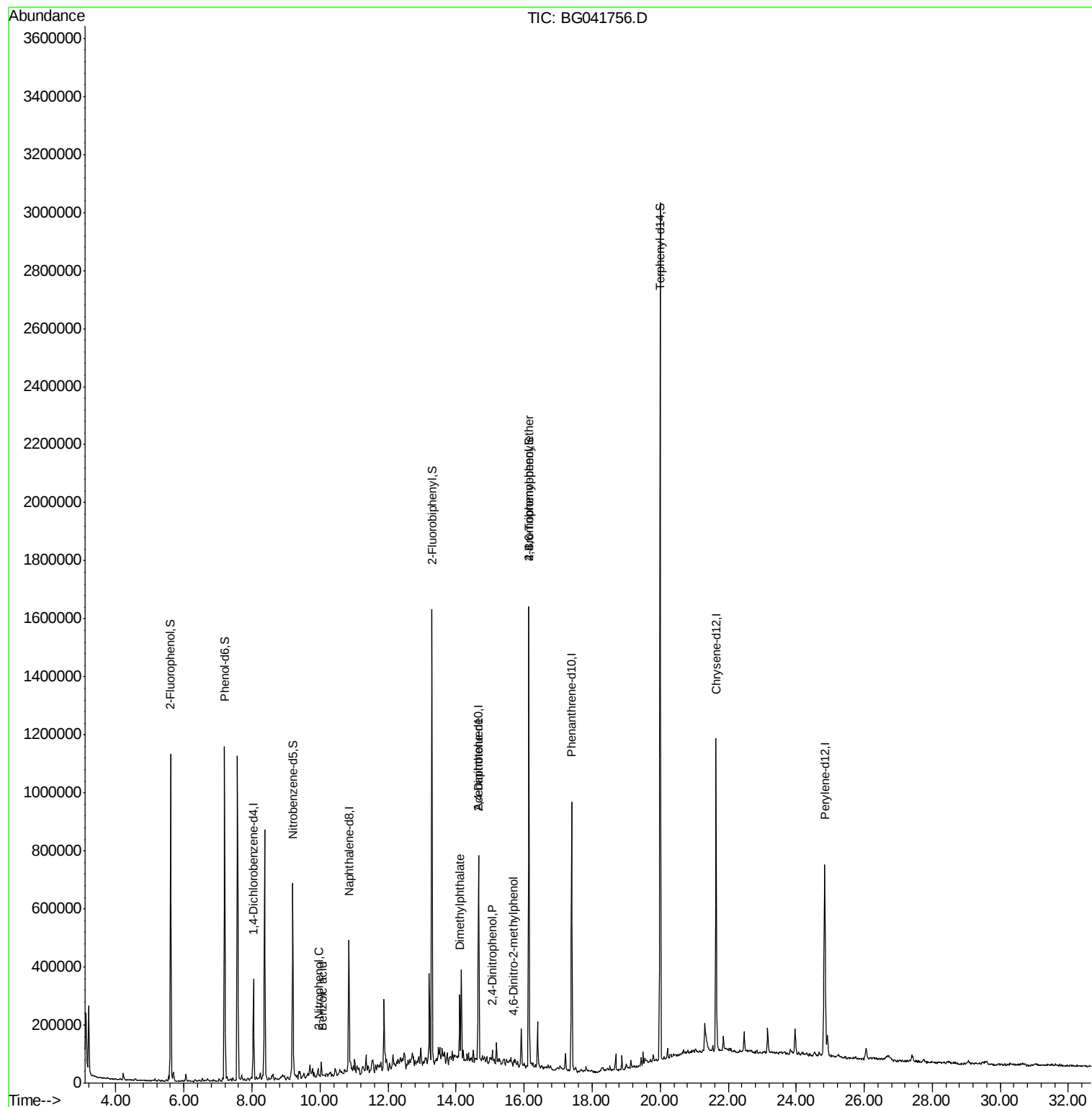
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1866	Below Cal		# 3
26) 2-Nitrophenol	9.97	139	526	4.802	ng	# 1
32) Benzoic acid	10.07	122	539	6.124	ng	99
50) Dimethylphthalate	14.10	163	141223	6.814	ng	97
54) 2,4-Dinitrophenol	15.06	184	57	7.752	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	36389	6.262	ng	# 31
65) 4,6-Dinitro-2-methylphenol	15.69	198	55	6.691	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	23425	3.332	ng	# 1
77) Benzidine	20.00	184	20801	Below Cal		# 90

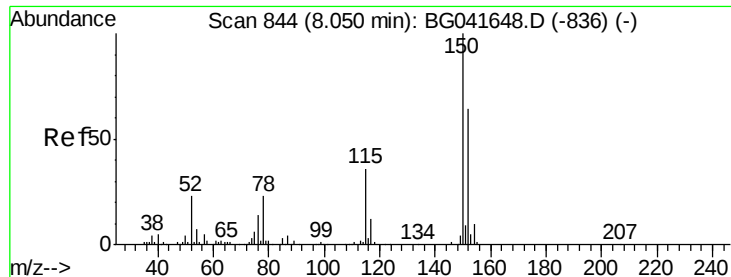
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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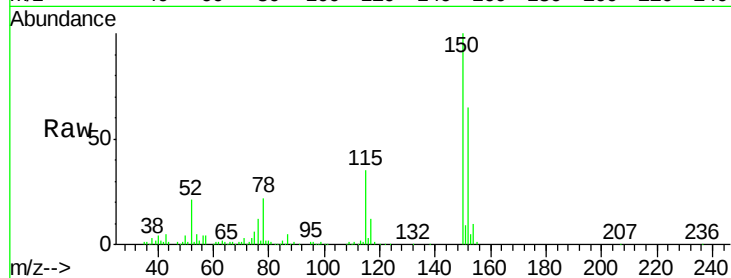


#1

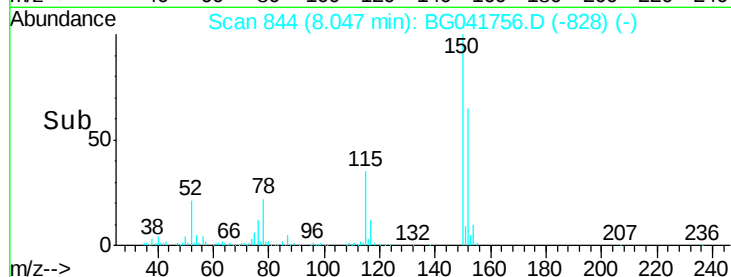
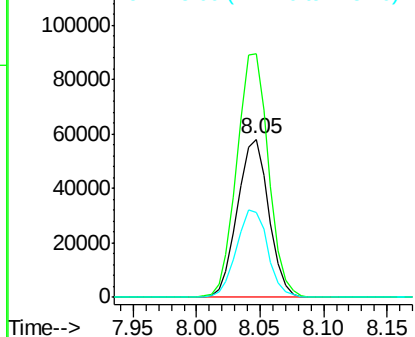
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	99485
Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.9	190.3
115	53.7	45.0	67.6



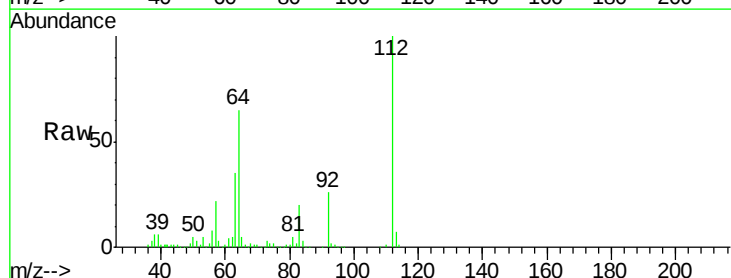
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



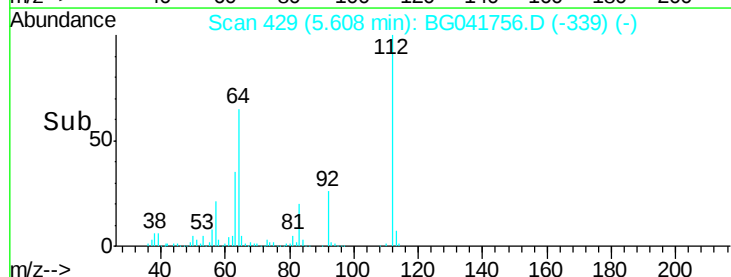
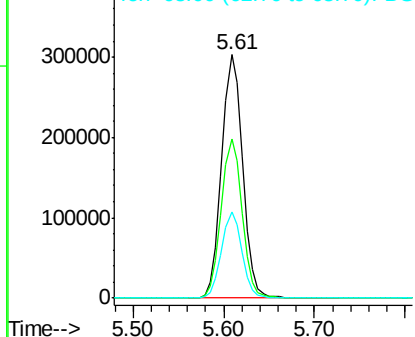
#5

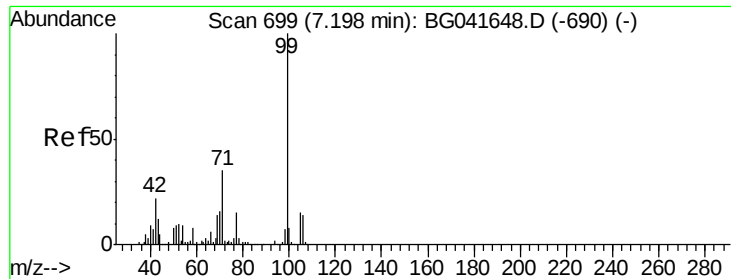
2-Fluorophenol
Concen: 80.085 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.00 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Tgt Ion	112	Resp	487370
Ion	Ratio	Lower	Upper
112	100		
64	65.4	55.4	83.2
63	35.4	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: 80.355 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

Instrument :

BNA_G

ClientSampled :

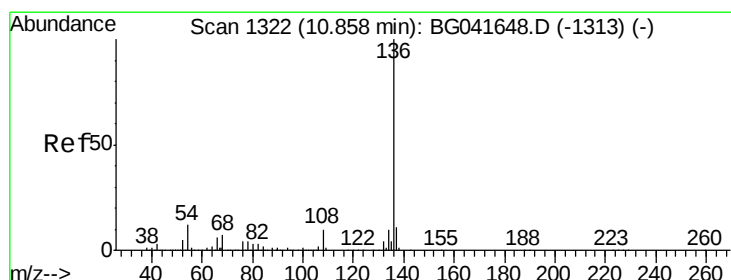
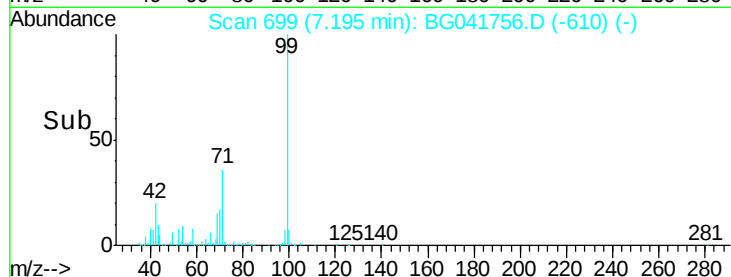
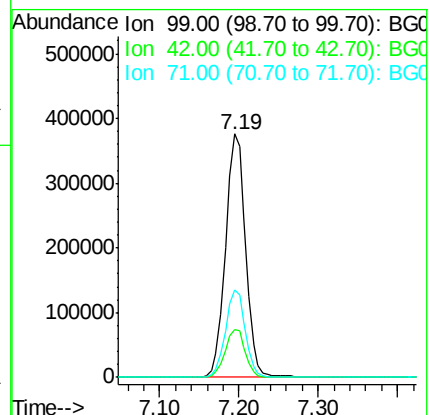
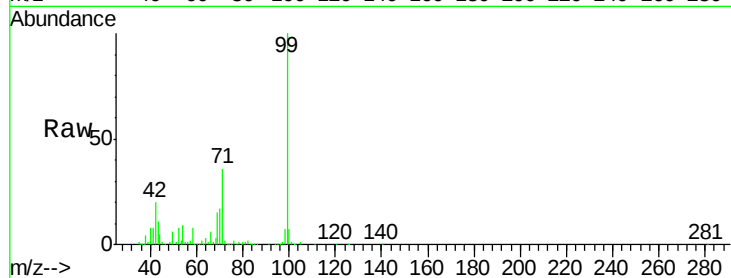
Tot Ion: 99 Resp: 657746

Ion Ratio Lower Upper

99 100

42 19.7 17.6 26.4

71 36.1 27.8 41.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

Tgt Ion: 136 Resp: 387529

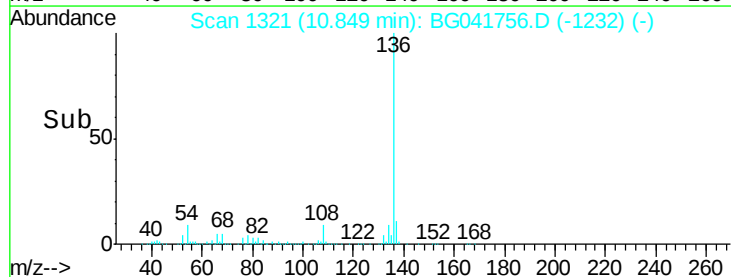
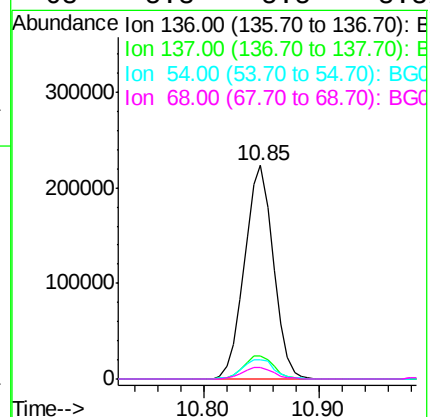
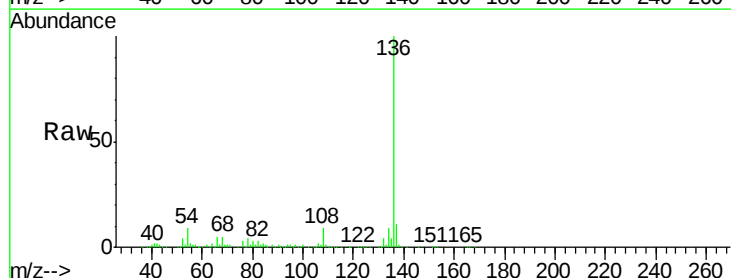
Ion Ratio Lower Upper

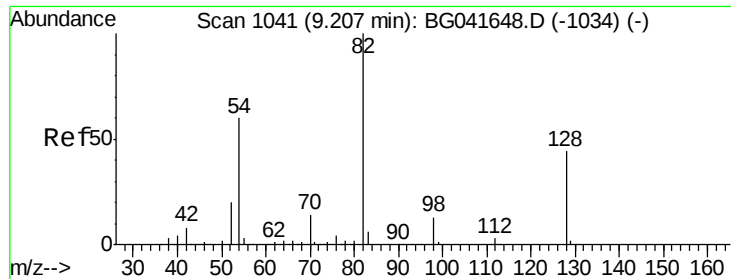
136 100

137 11.0 9.2 13.8

54 9.2 8.7 13.1

68 5.3 5.5 8.3#

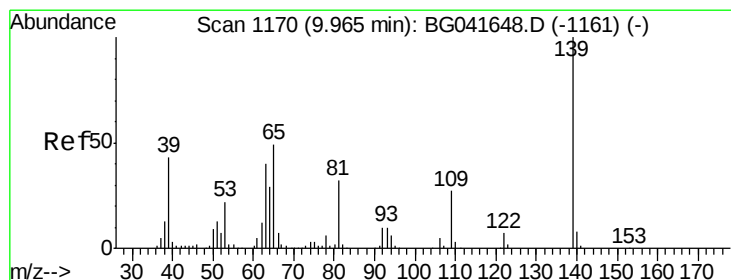
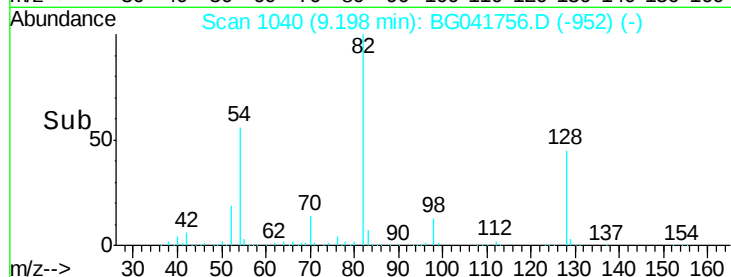
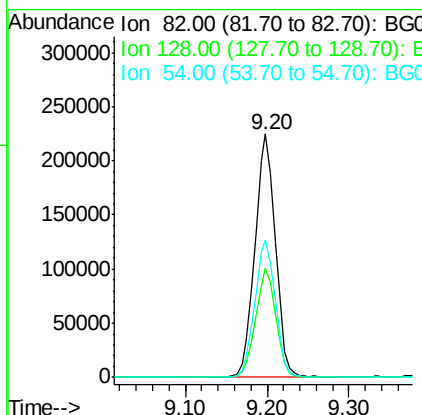
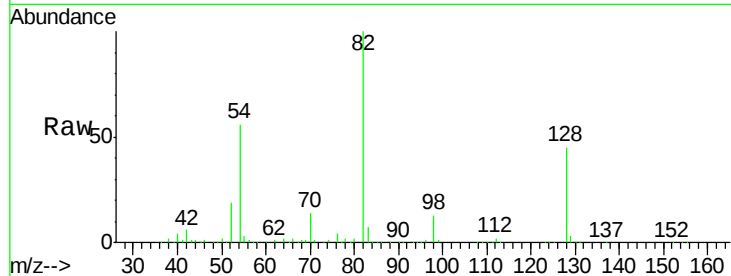




#23
Nitrobenzene-d5
Concen: 61.634 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

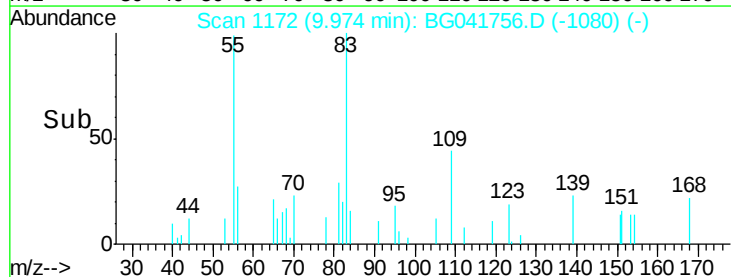
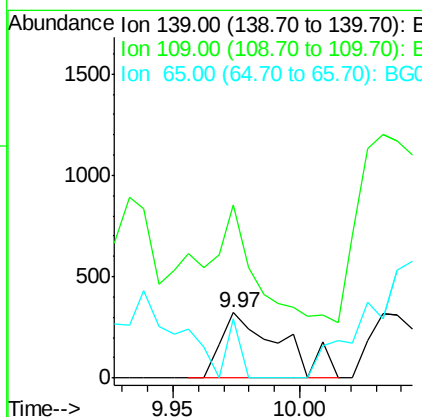
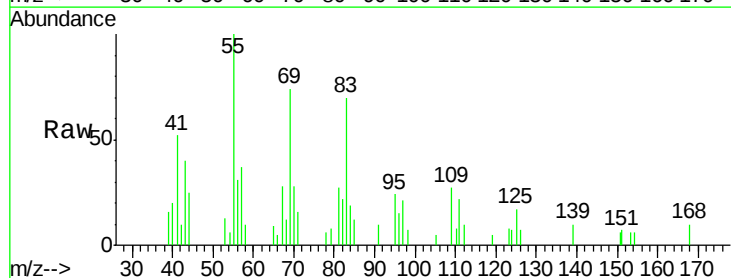
Instrument :
BNA_G
ClientSampleId :

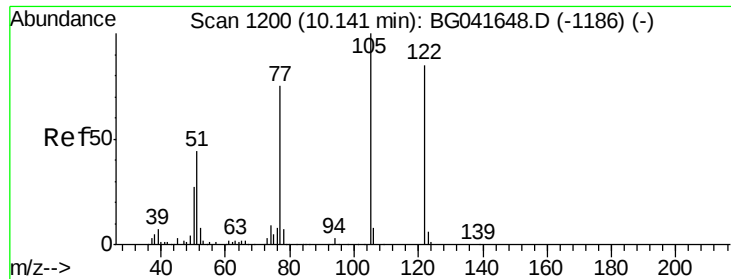
Tot Ion: 82 Resp: 392746
Ion Ratio Lower Upper
82 100
128 44.6 35.1 52.7
54 56.3 48.7 73.1



#26
2-Nitrophenol
Concen: 4.802 ng
RT: 9.97 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Tgt Ion:139 Resp: 526
Ion Ratio Lower Upper
139 100
109 265.8 22.7 34.1#
65 90.7 41.1 61.7#





#32

Benzoic acid

Concen: 6.124 ng

RT: 10.07 min Scan# 1188

Delta R.T. -0.10 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

Instrument :

BNA_G

ClientSampleId :

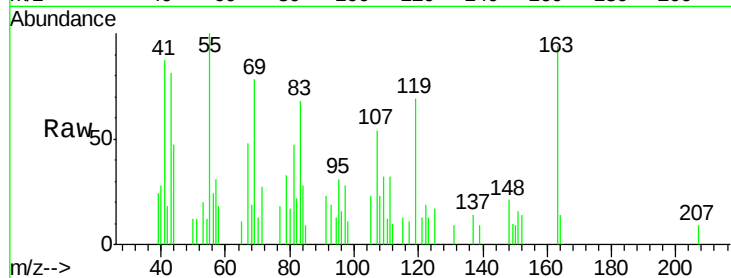
Tot Ion:122 Resp: 539

Ion Ratio Lower Upper

122 100

105 118.8 101.5 141.5

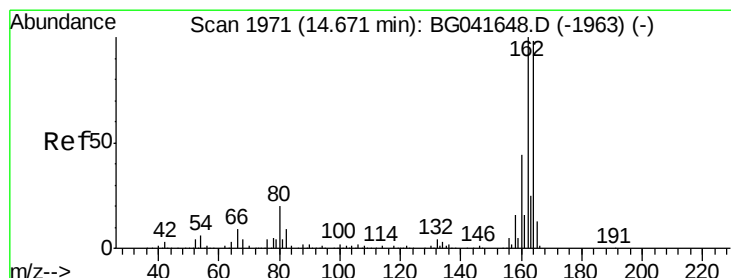
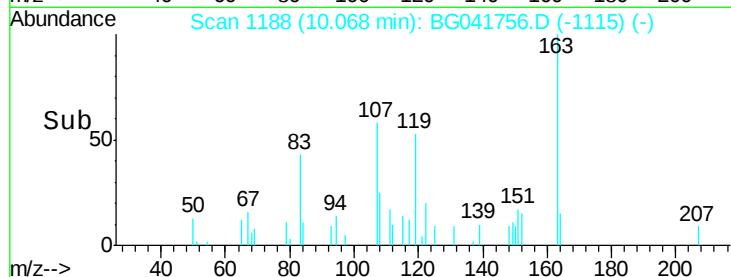
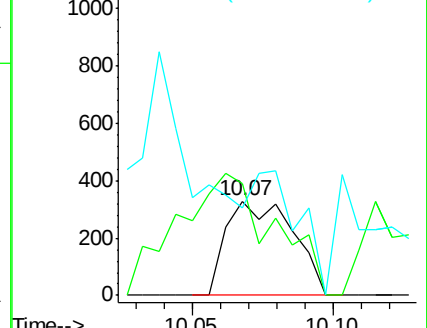
77 93.0 73.0 113.0



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: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

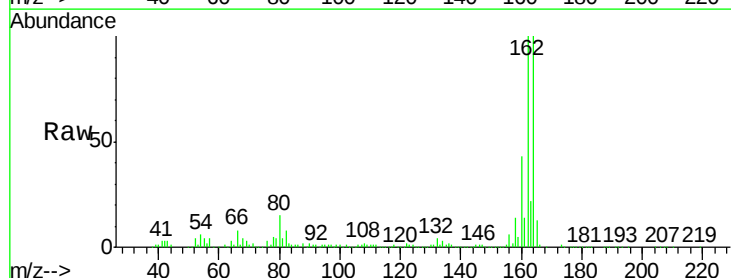
Tgt Ion:164 Resp: 263901

Ion Ratio Lower Upper

164 100

162 100.2 79.6 119.4

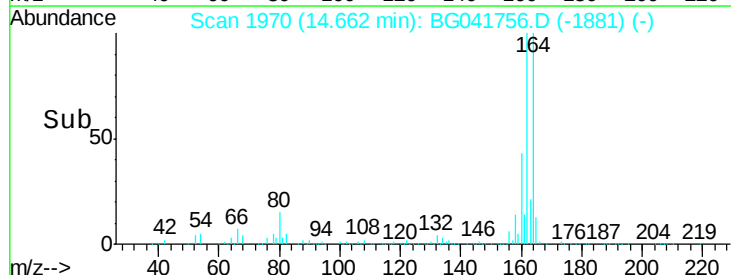
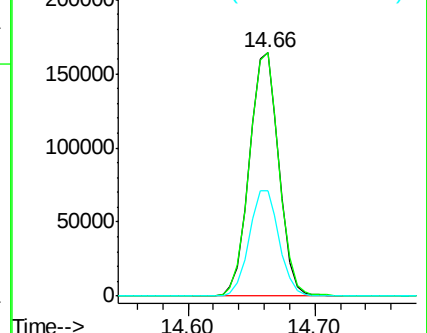
160 43.4 35.4 53.0

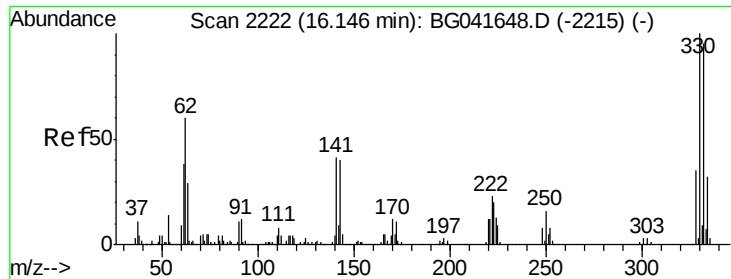


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

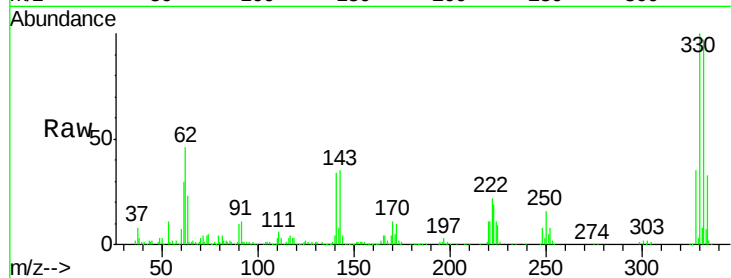




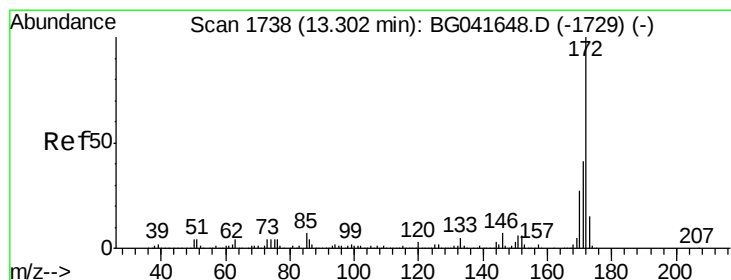
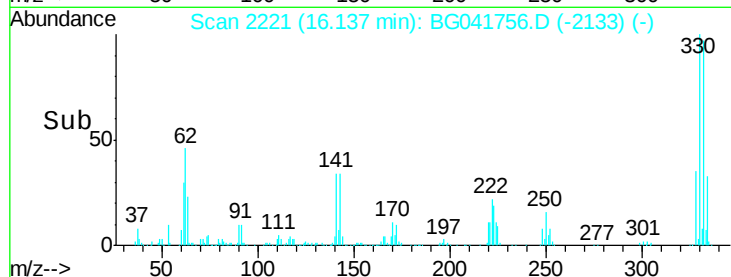
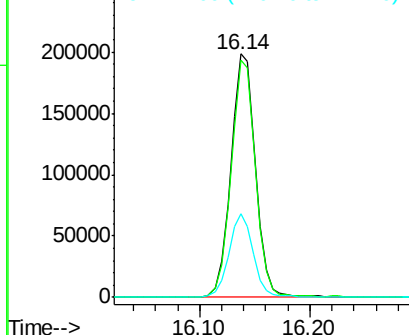
#42
 2,4,6-Tribromophenol
 Concen: 104.232 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG041756.D
 Acq: 23 Jul 2019 14:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 310000
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.0
 141 33.4 31.9 47.9

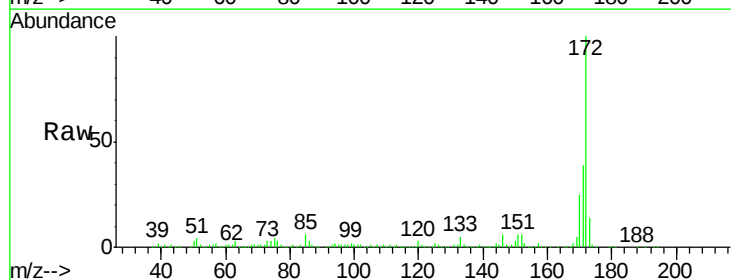


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

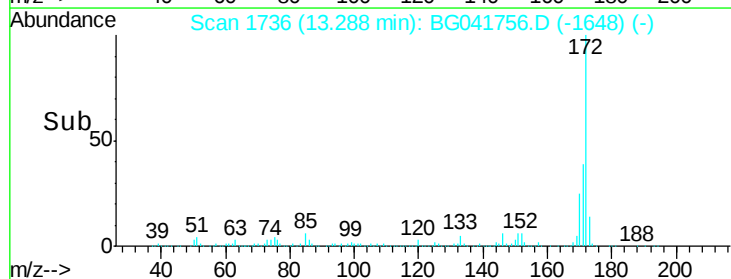
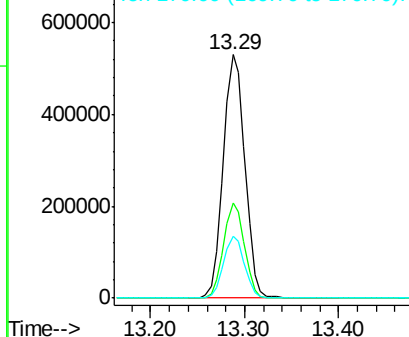


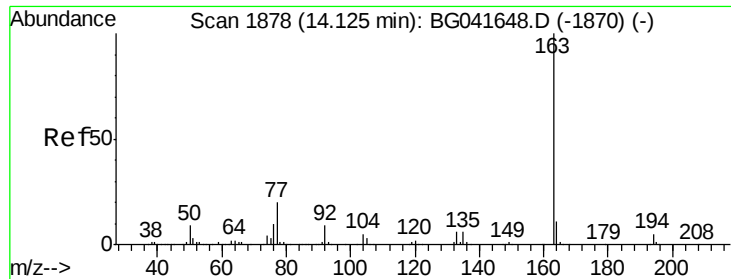
#45
 2-Fluorobiphenyl
 Concen: 49.921 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG041756.D
 Acq: 23 Jul 2019 14:22

Tgt Ion:172 Resp: 850771
 Ion Ratio Lower Upper
 172 100
 171 38.8 35.0 52.4
 170 25.4 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

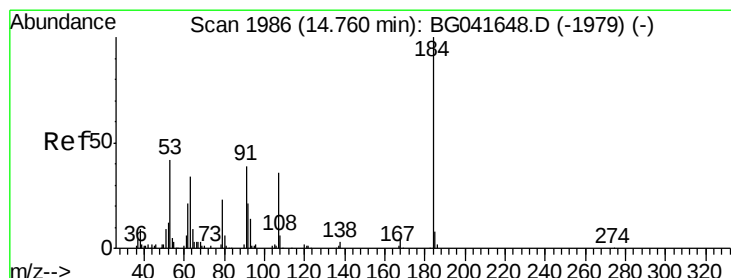
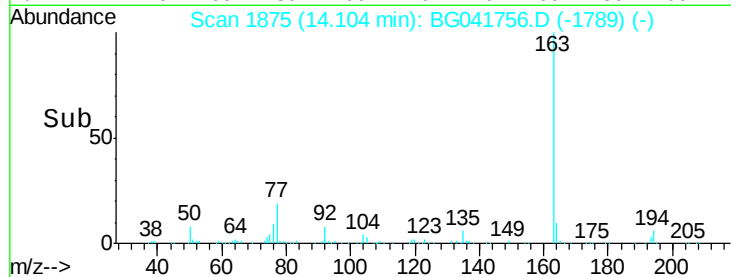
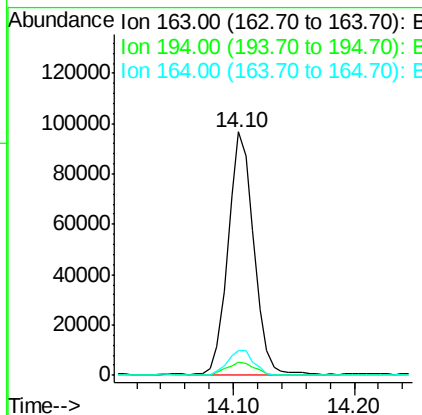
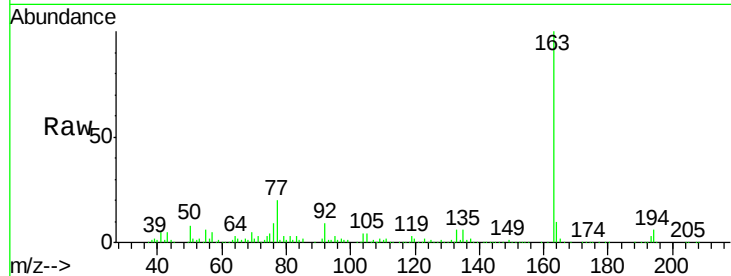




#50
Dimethylphthalate
Concen: 6.814 ng
RT: 14.10 min Scan# 1875
Delta R.T. -0.03 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

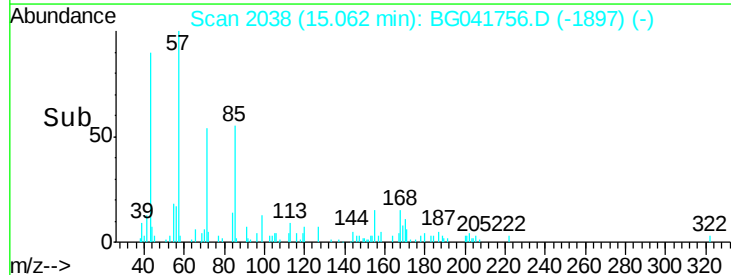
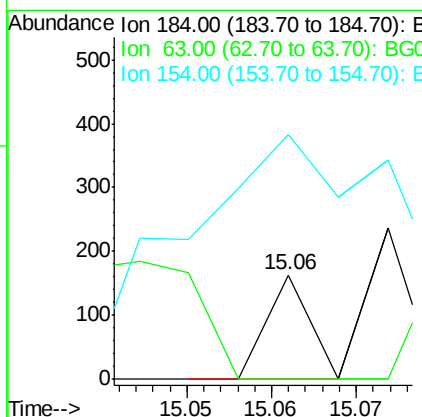
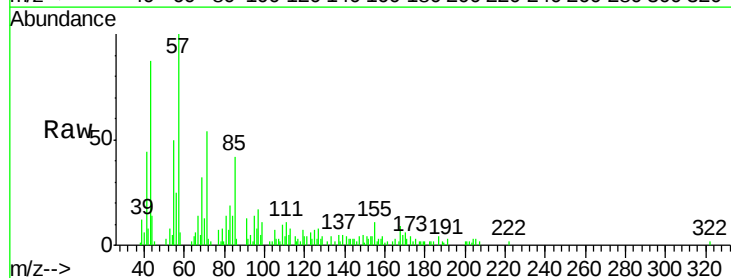
Instrument :
BNA_G
ClientSampleId :

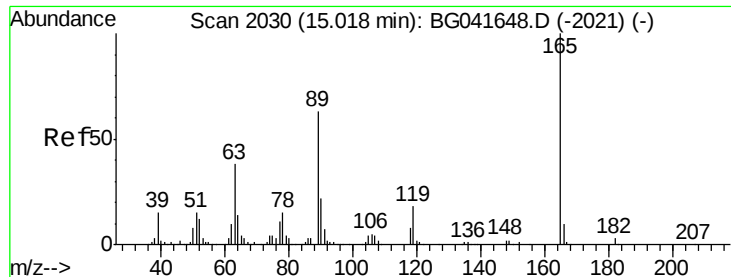
Tot Ion:163 Resp: 141223
Ion Ratio Lower Upper
163 100
194 5.6 4.2 6.2
164 10.4 9.4 14.2



#54
2,4-Dinitrophenol
Concen: 7.752 ng
RT: 15.06 min Scan# 2038
Delta R.T. 0.30 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 43.2 64.8#
154 236.4 51.4 77.2#

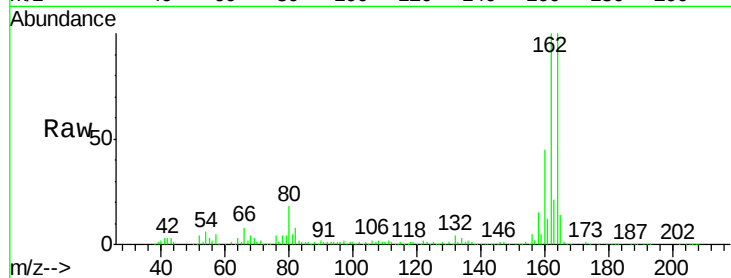




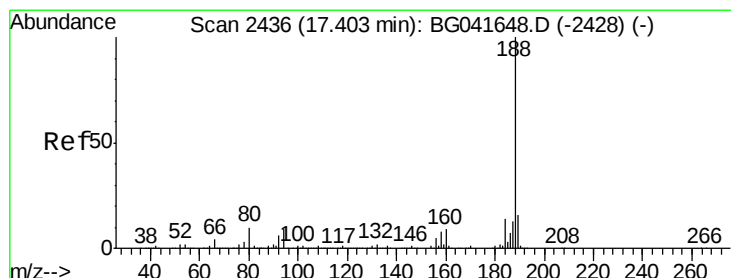
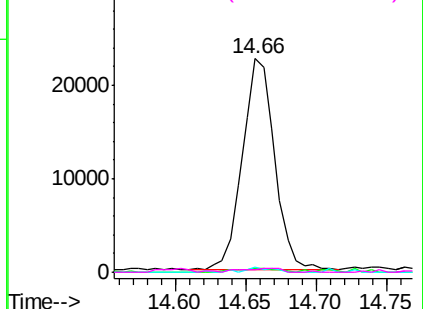
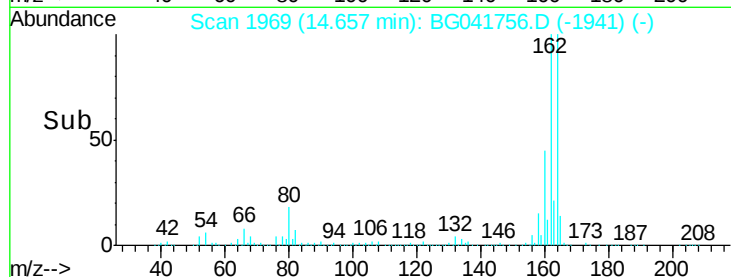
#57
 2,4-Dinitrotoluene
 Concen: 6.262 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG041756.D
 Acq: 23 Jul 2019 14:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 36389
 Ion Ratio Lower Upper
 165 100
 63 1.9 31.7 47.5#
 89 2.5 50.2 75.4#
 182 1.5 2.6 4.0#

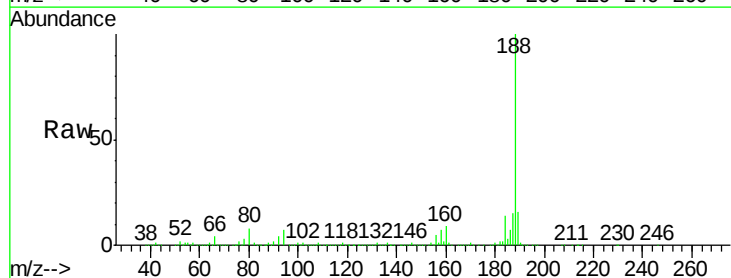


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

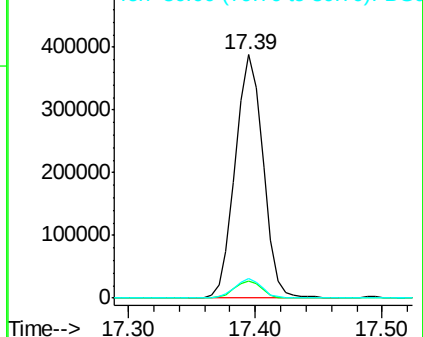
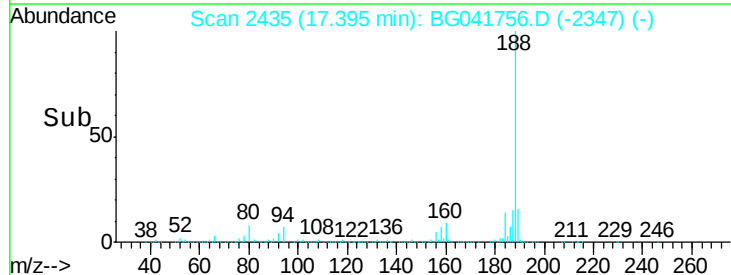


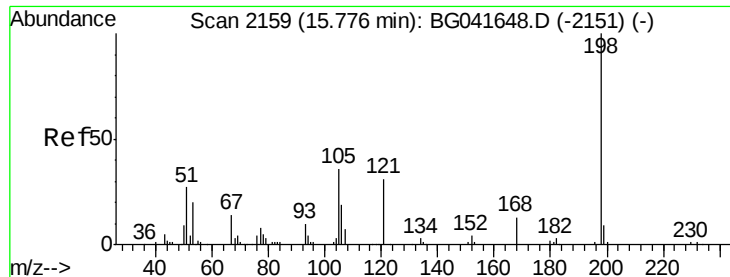
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG041756.D
 Acq: 23 Jul 2019 14:22

Tgt Ion:188 Resp: 590914
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.1 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

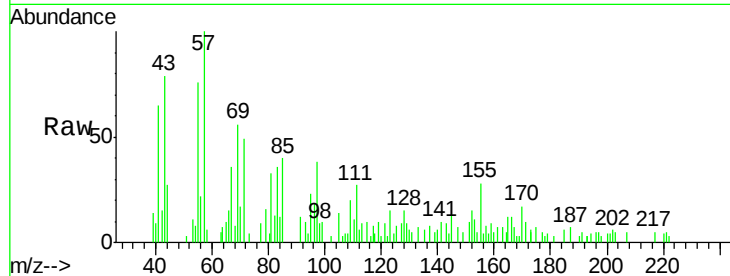




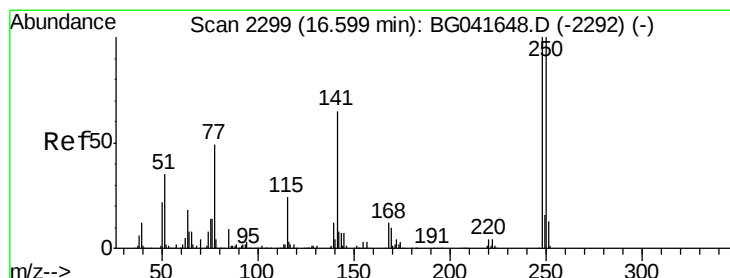
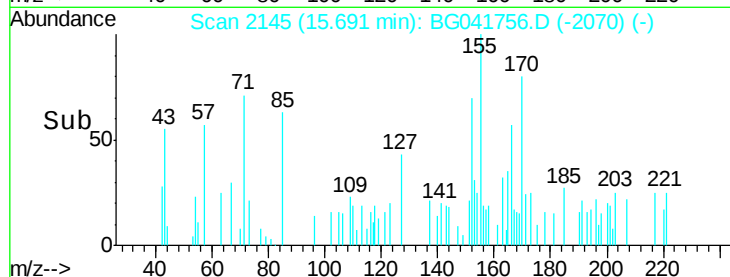
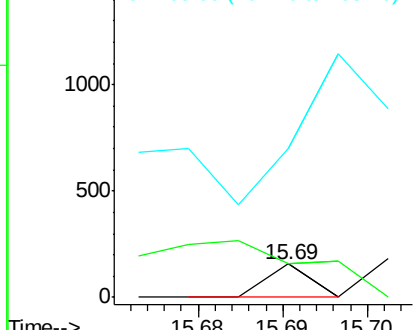
#65
4,6-Dinitro-2-methylphenol
Concen: 6.691 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.09 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 101.3 22.3 62.3#
105 448.7 18.0 58.0#

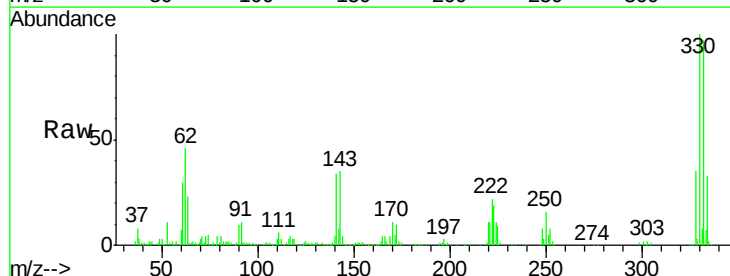


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGO
Ion 105.00 (104.70 to 105.70): E

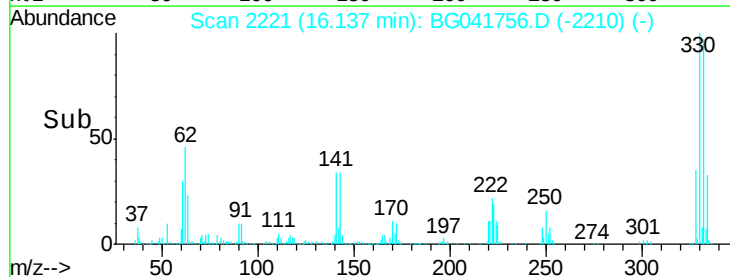
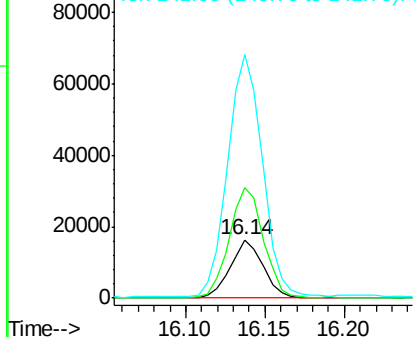


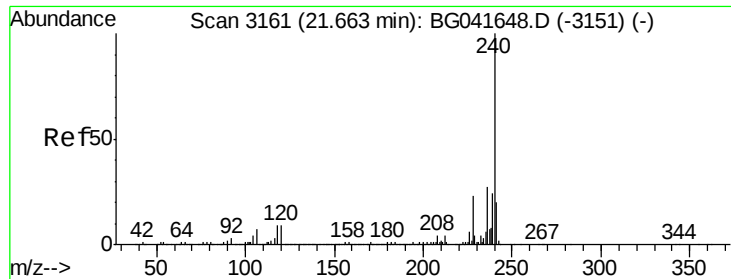
#67
4-Bromophenyl-phenylether
Concen: 3.332 ng
RT: 16.14 min Scan# 2221
Delta R.T. -0.47 min
Lab File: BG041756.D
Acq: 23 Jul 2019 14:22

Tgt Ion:248 Resp: 23425
Ion Ratio Lower Upper
248 100
250 190.5 78.1 117.1#
141 417.7 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: 21.64 min Scan# 3158

Delta R.T. -0.02 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

Instrument :

BNA_G

ClientSampleId :

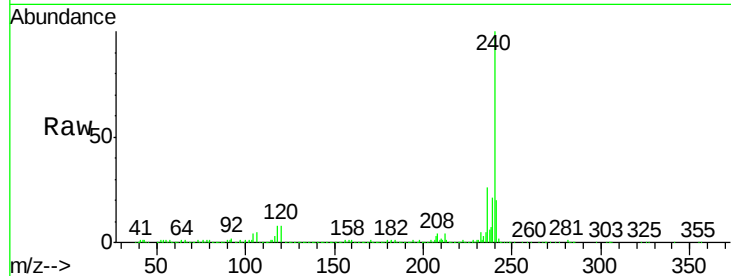
Tot Ion:240 Resp: 635616

Ion Ratio Lower Upper

240 100

120 7.8 8.0 12.0#

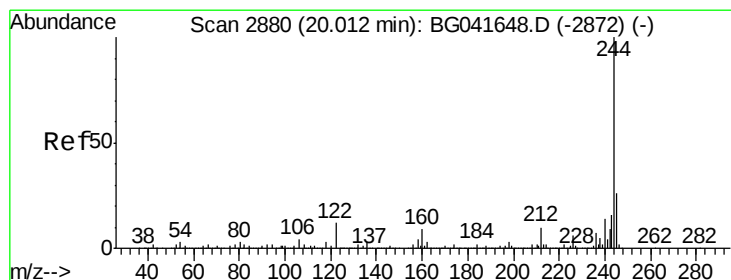
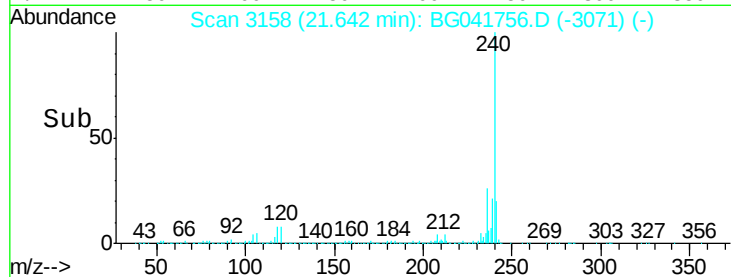
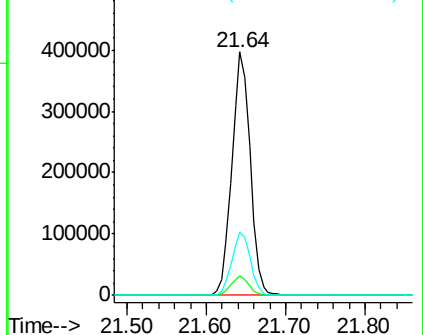
236 25.8 22.6 33.8



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: 51.630 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG041756.D

Acq: 23 Jul 2019 14:22

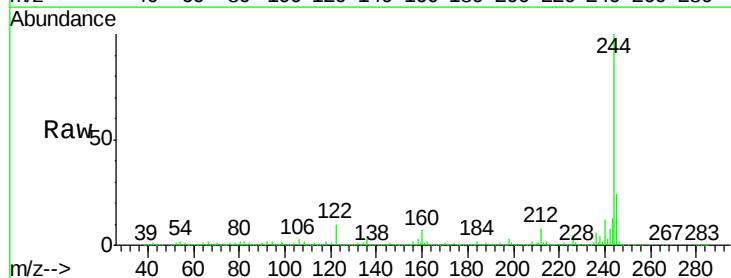
Tgt Ion:244 Resp: 1404299

Ion Ratio Lower Upper

244 100

212 8.3 9.7 14.5#

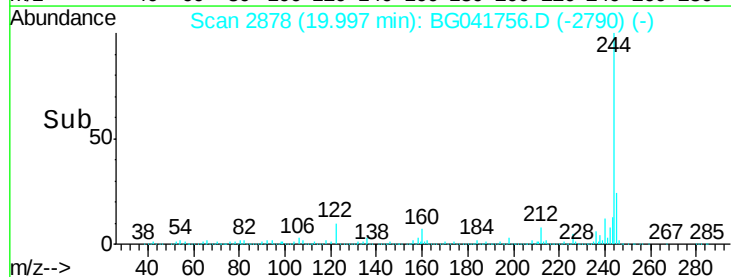
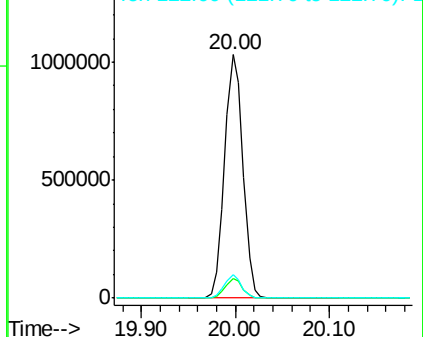
122 9.6 12.5 18.7#

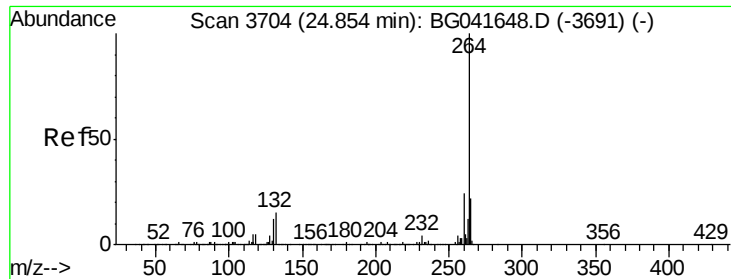


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

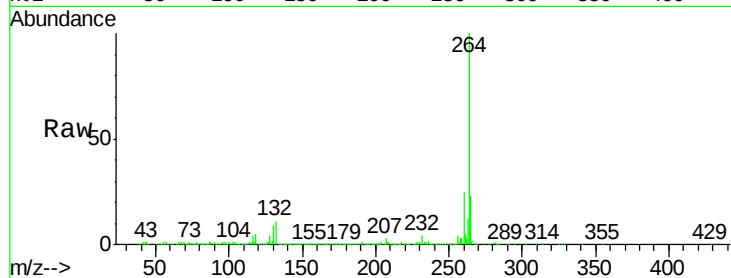




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3701
 Delta R.T. -0.03 min
 Lab File: BG041756.D
 Acq: 23 Jul 2019 14:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.6	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

