

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041651.D
 Acq On : 15 Jul 2019 16:21
 Operator : HP/JU
 Sample : K3621-04RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 16 07:50:30 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	106848	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	408556	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	256605	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	593303	20.00	ng	0.00
76) Chrysene-d12	21.66	240	610818	20.00	ng	0.00
87) Perylene-d12	24.86	264	654757	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	746738	114.25	ng	0.01
7) Phenol-d6	7.21	99	878005	99.87	ng	0.00
23) Nitrobenzene-d5	9.21	82	675442	100.54	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	442043	152.86	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1540975	92.99	ng	0.00
79) Terphenyl-d14	20.02	244	2284267	87.39	ng	0.00

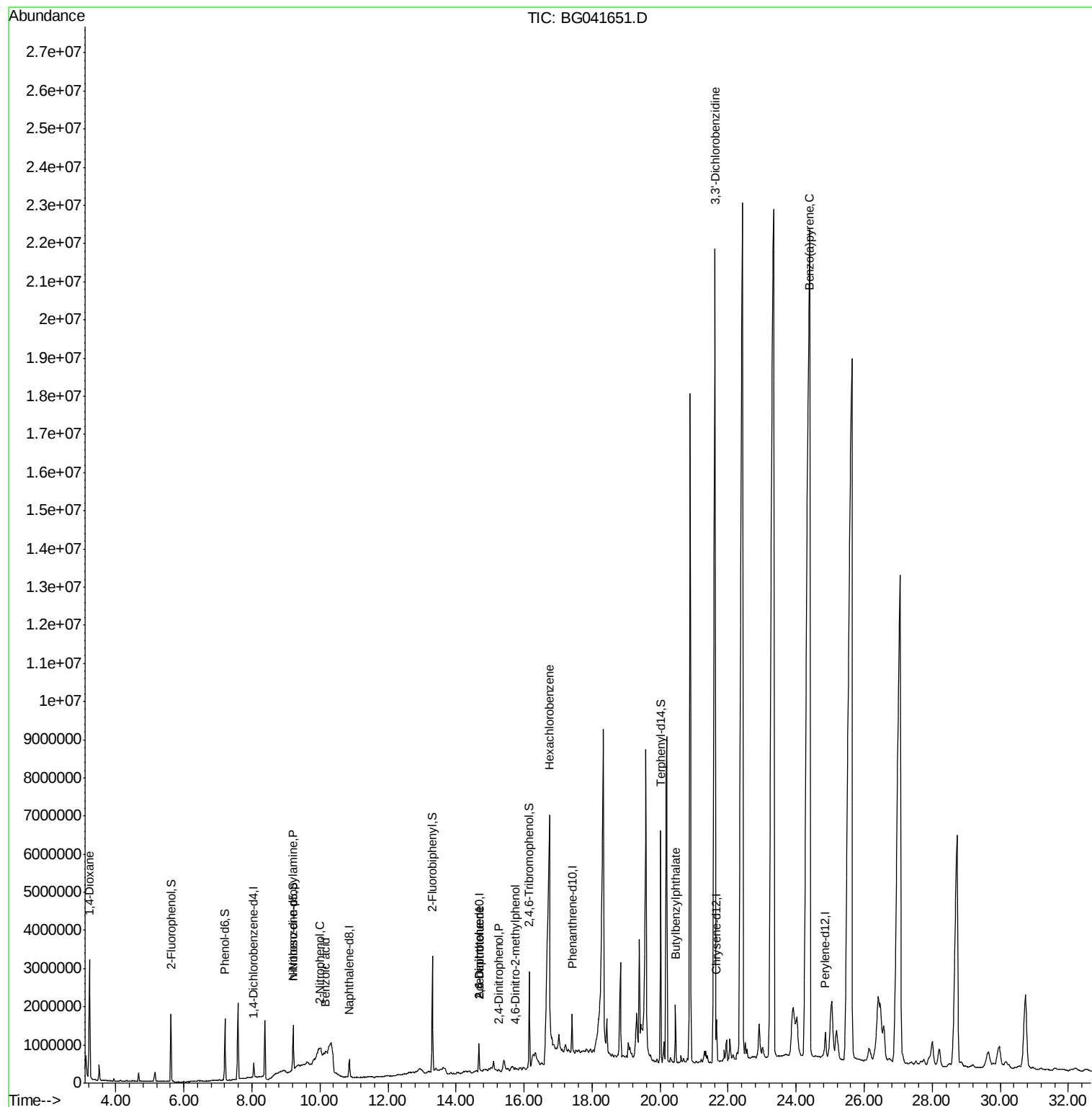
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	32047	10.324	ng	# 1
9) Benzaldehyde	7.20	77	2112	Below Cal		# 11
19) n-Nitroso-di-n-propylamine	9.21	70	97184	15.124	ng	# 82
26) 2-Nitrophenol	10.00	139	631	4.823	ng	# 10
32) Benzoic acid	10.16	122	426	6.096	ng	# 59
51) 2,6-Dinitrotoluene	14.67	165	34428	8.054	ng	# 29
54) 2,4-Dinitrophenol	15.25	184	225	7.823	ng	# 92
57) 2,4-Dinitrotoluene	14.67	165	34428	6.093	ng	# 31
65) 4,6-Dinitro-2-methylphenol	15.72	198	66	6.694	ng	# 1
68) Hexachlorobenzene	16.75	284	372400	52.385	ng	# 41
77) Benzidine	19.63	184	1492	Below Cal		# 1
80) Butylbenzylphthalate	20.46	149	712272	41.491	ng	# 23
82) 3,3'-Dichlorobenzidine	21.61	252	68441	4.407	ng	# 1
90) Benzo(a)pyrene	24.40	252	154348	4.108	ng	# 1

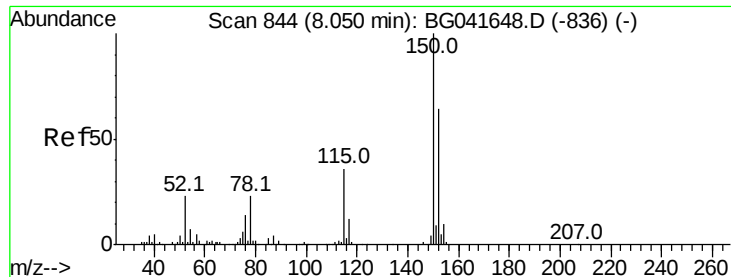
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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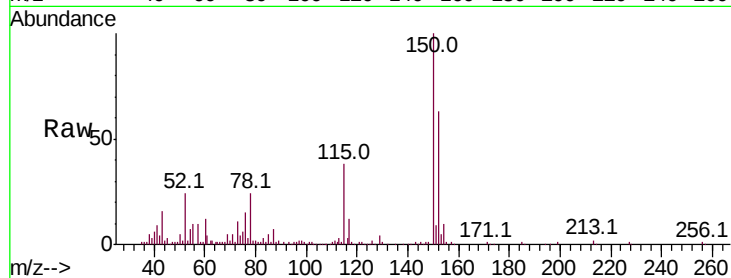


#1

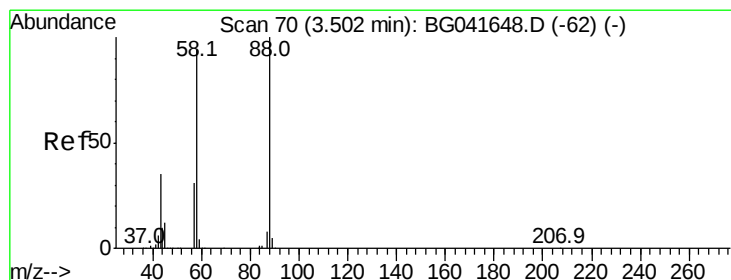
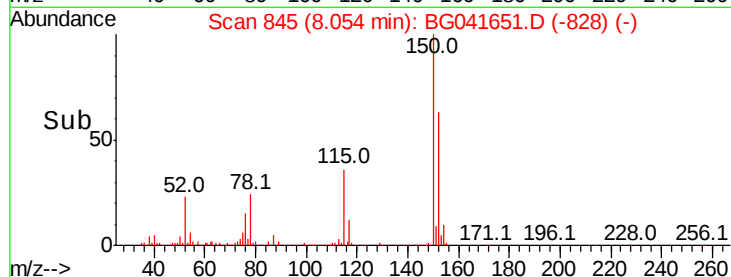
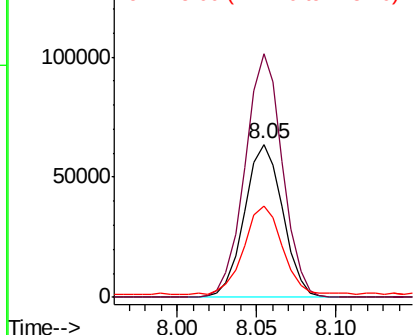
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 106848
Ion Ratio Lower Upper
152 100
150 158.9 126.9 190.3
115 59.7 45.0 67.6



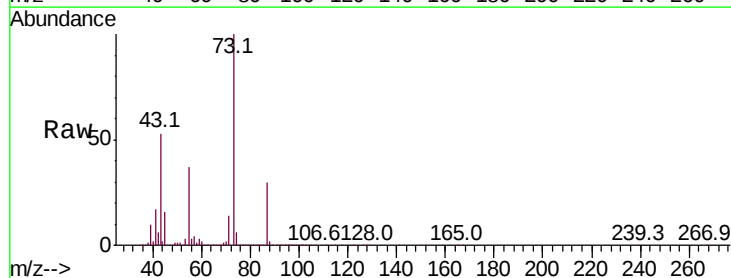
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



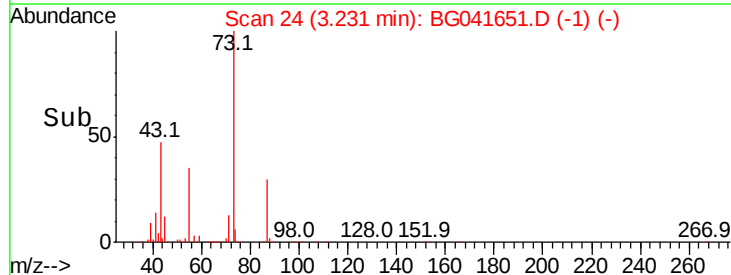
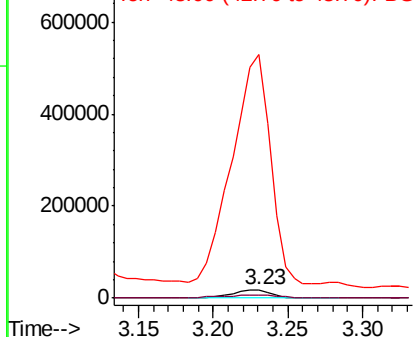
#2

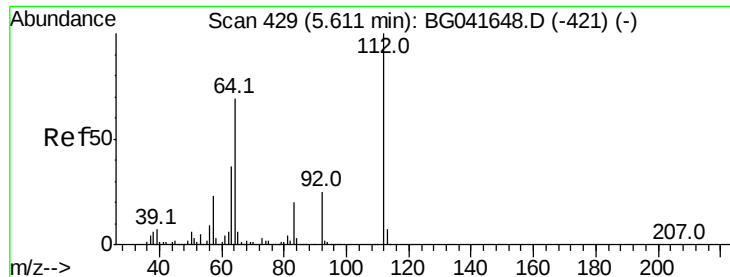
1,4-Dioxane
Concen: 10.324 ng
RT: 3.23 min Scan# 24
Delta R.T. -0.26 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Tgt Ion: 88 Resp: 32047
Ion Ratio Lower Upper
88 100
58 33.2 76.2 114.2#
43 2758.7 27.2 40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 114.249 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.01 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

Instrument :

BNA_G

ClientSampleId :

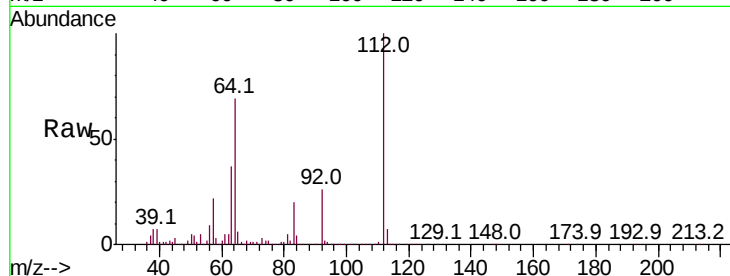
Tot Ion:112 Resp: 746738

Ion Ratio Lower Upper

112 100

64 69.2 55.4 83.2

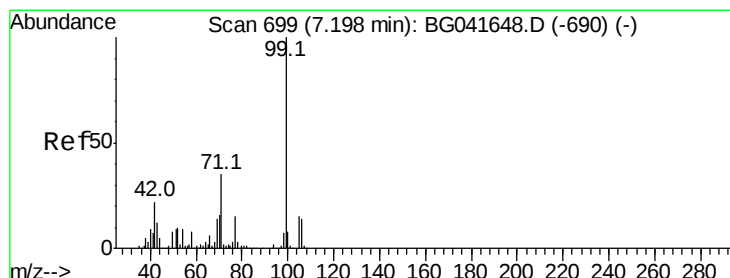
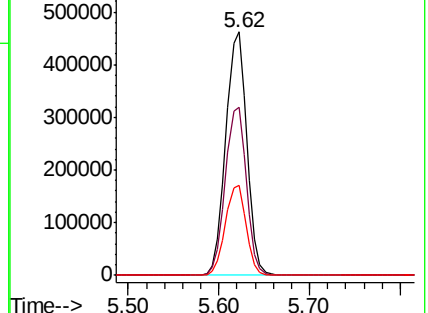
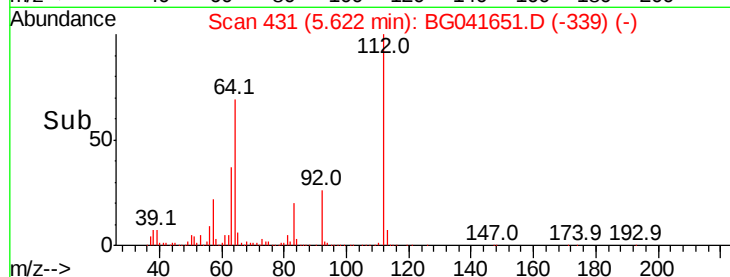
63 36.9 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 99.872 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

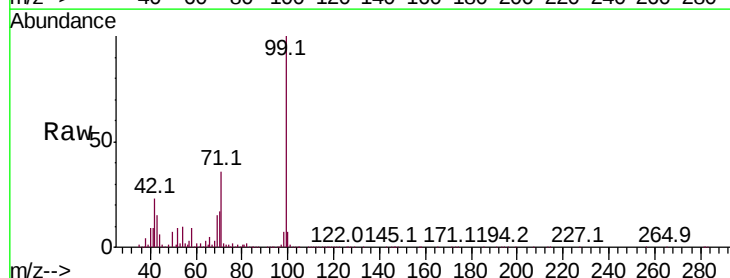
Tgt Ion: 99 Resp: 878005

Ion Ratio Lower Upper

99 100

42 23.2 17.6 26.4

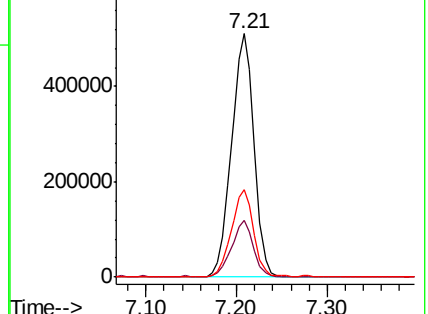
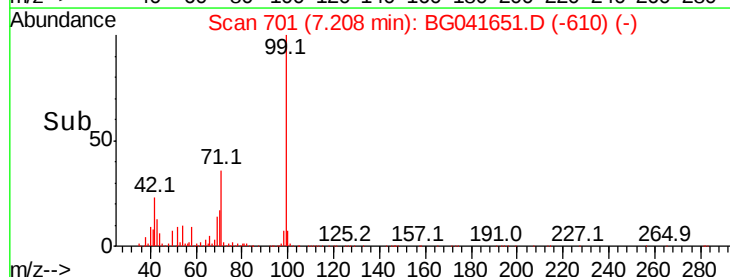
71 36.2 27.8 41.6

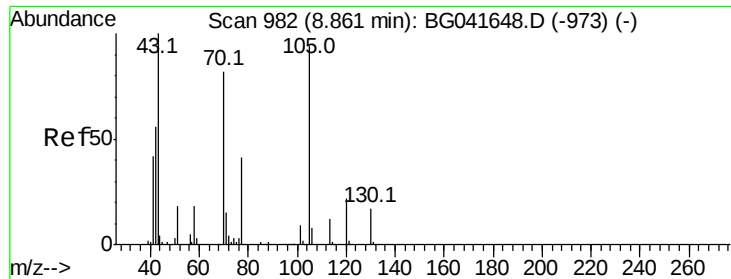


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

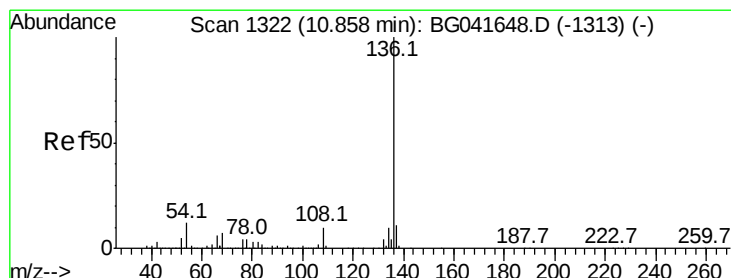
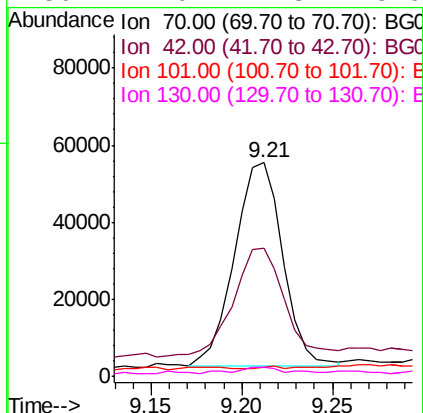
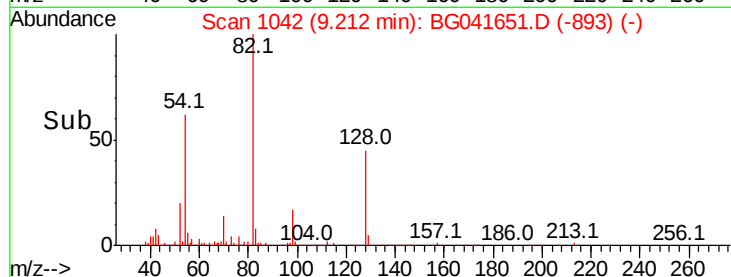
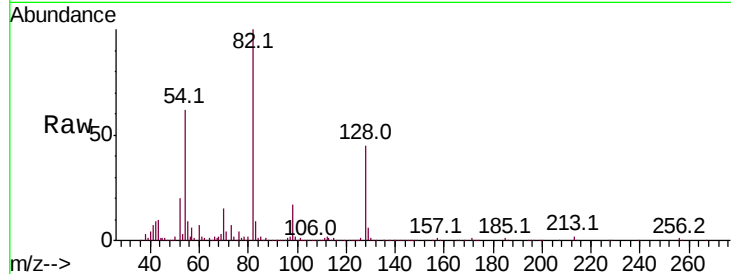




#19
n-Nitroso-di-n-propylamine
Concen: 15.124 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

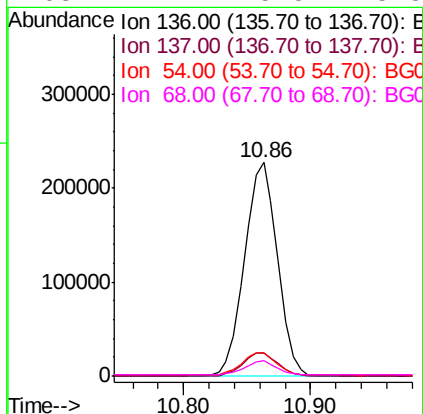
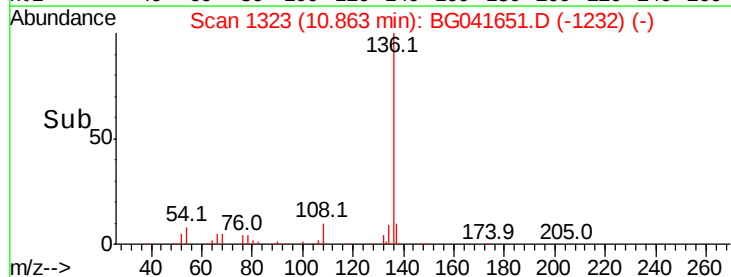
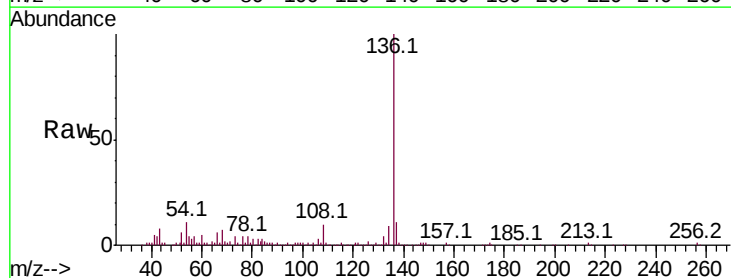
Instrument :
BNA_G
ClientSampleId :

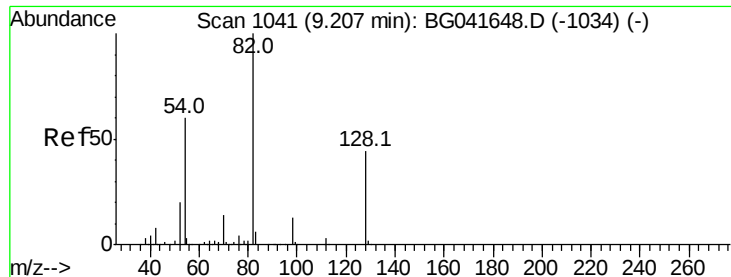
Tot Ion: 70 Resp: 97184
Ion Ratio Lower Upper
70 100
42 59.8 55.8 83.6
101 4.0 8.1 12.1#
130 4.0 17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Tgt Ion:136 Resp: 408556
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 10.9 8.7 13.1
68 7.1 5.5 8.3





#23

Nitrobenzene-d5

Concen: 100.542 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

Instrument :

BNA_G

ClientSampled :

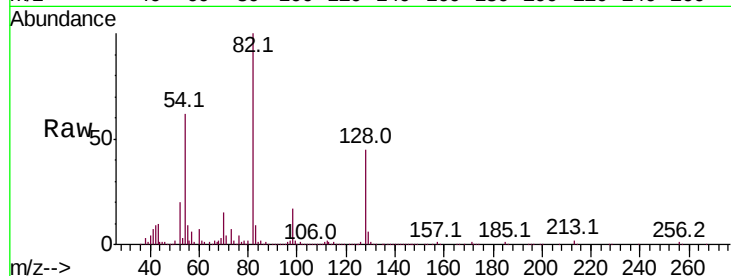
Tot Ion: 82 Resp: 675442

Ion Ratio Lower Upper

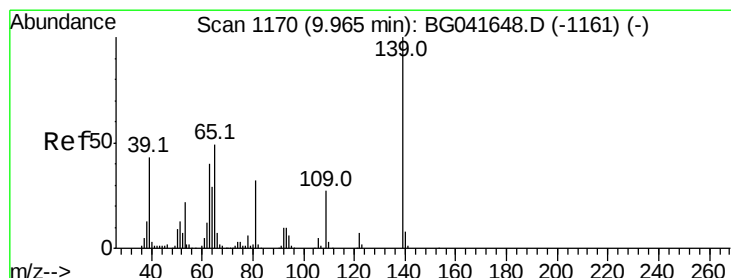
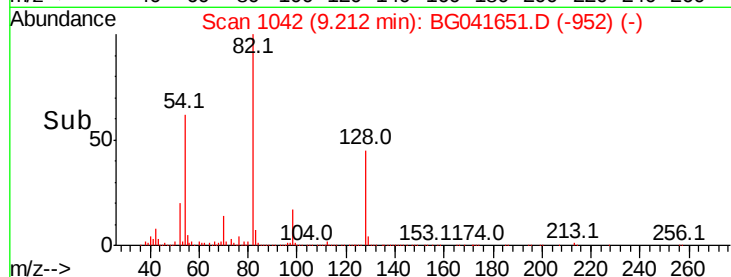
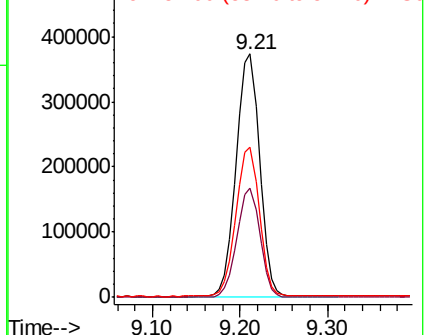
82 100

128 44.6 35.1 52.7

54 61.9 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



#26

2-Nitrophenol

Concen: 4.823 ng

RT: 10.00 min Scan# 1176

Delta R.T. 0.04 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

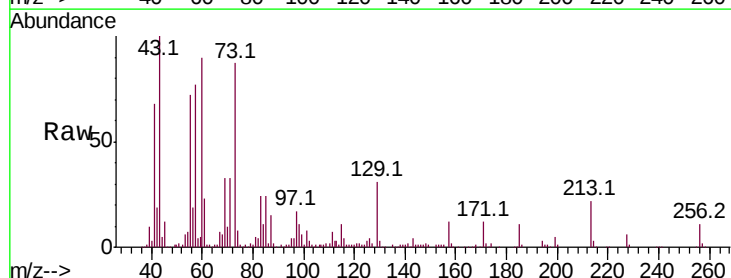
Tgt Ion: 139 Resp: 631

Ion Ratio Lower Upper

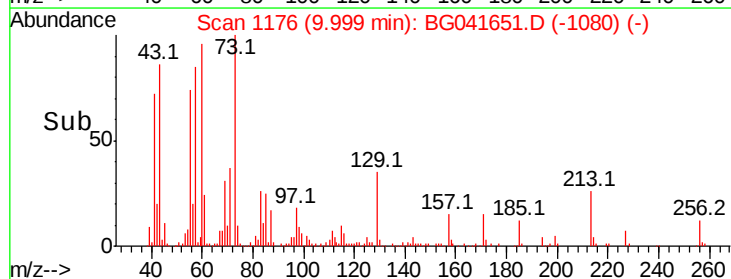
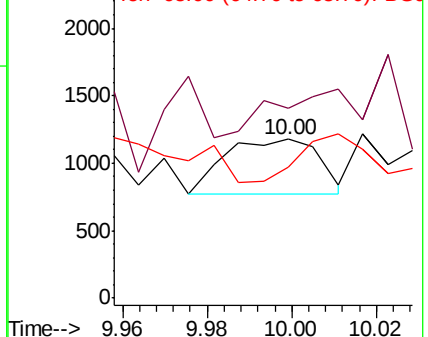
139 100

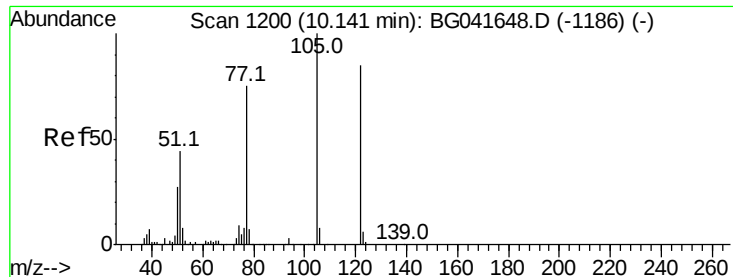
109 119.4 22.7 34.1#

65 82.5 41.1 61.7#



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

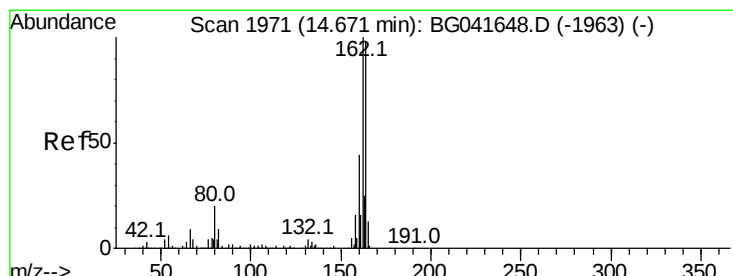
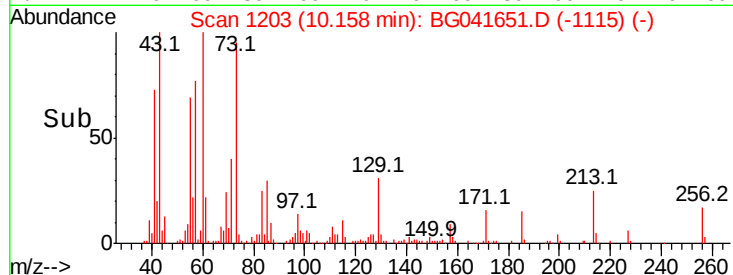
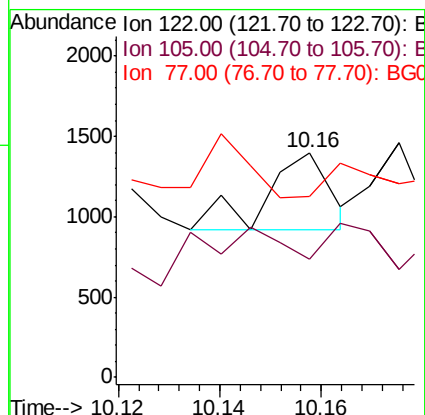
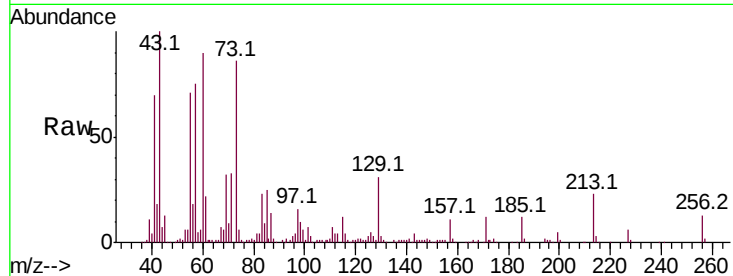




#32
Benzoic acid
Concen: 6.096 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

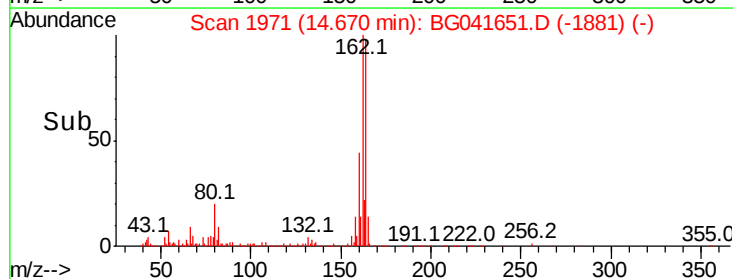
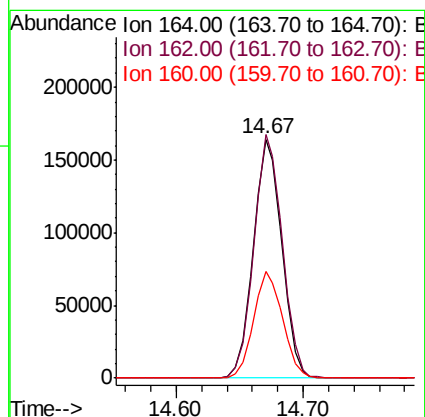
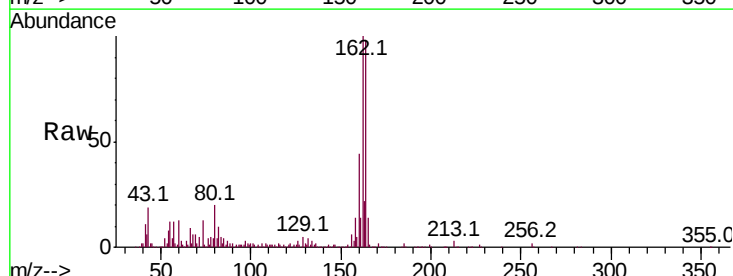
Instrument :
BNA_G
ClientSampleId :

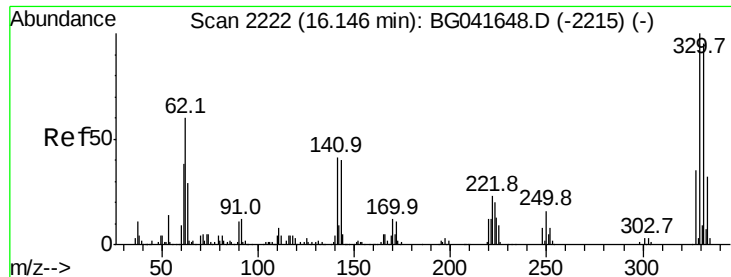
Tot Ion:122 Resp: 426
Ion Ratio Lower Upper
122 100
105 52.7 101.5 141.5#
77 80.3 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Tgt Ion:164 Resp: 256605
Ion Ratio Lower Upper
164 100
162 102.1 79.6 119.4
160 44.7 35.4 53.0

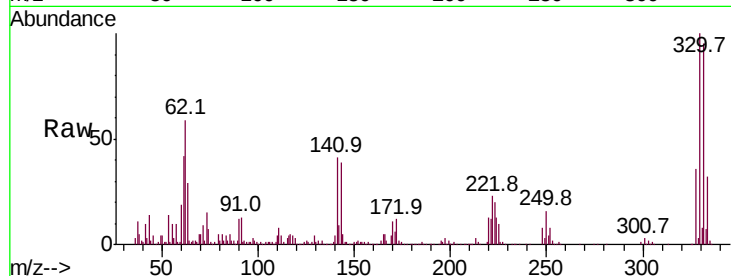




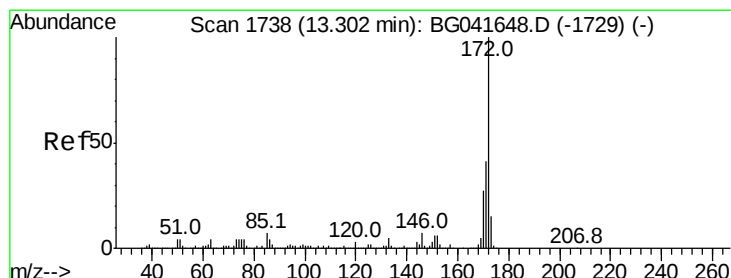
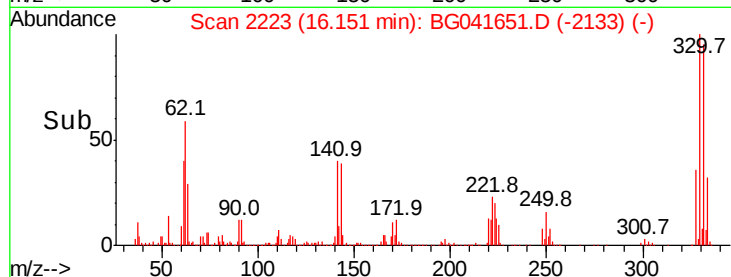
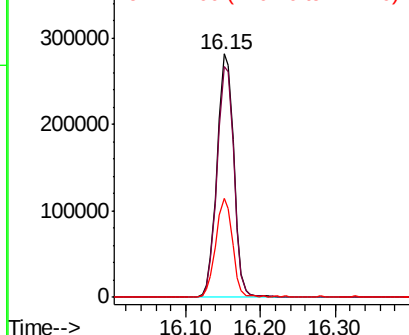
#42
 2,4,6-Tribromophenol
 Concen: 152.856 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG041651.D
 Acq: 15 Jul 2019 16:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 442043
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.0
 141 39.7 31.9 47.9

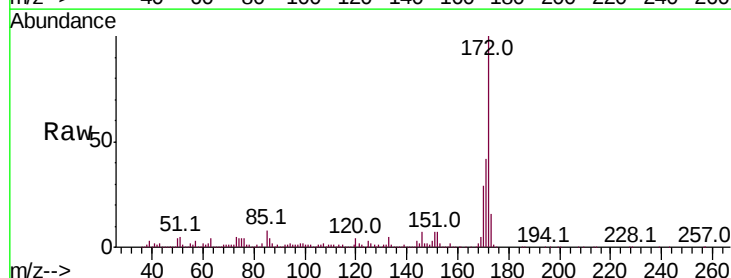


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

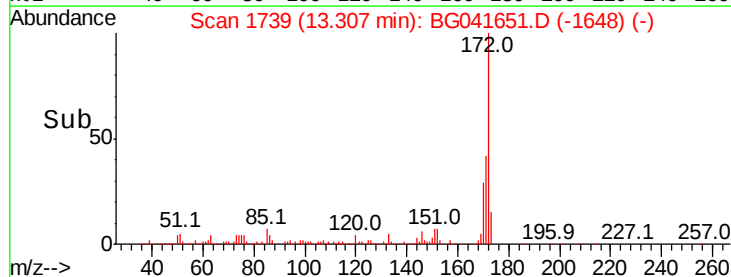
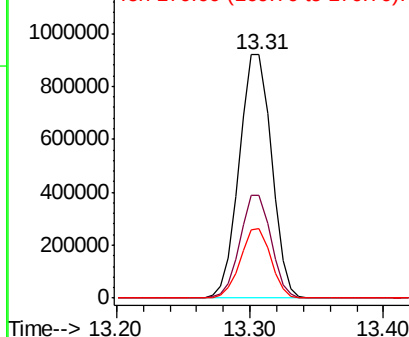


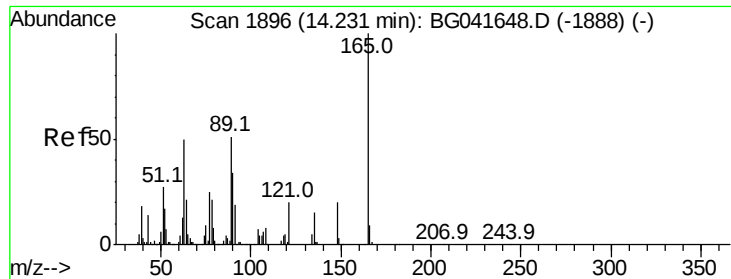
#45
 2-Fluorobiphenyl
 Concen: 92.991 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BG041651.D
 Acq: 15 Jul 2019 16:21

Tgt Ion:172 Resp: 1540975
 Ion Ratio Lower Upper
 172 100
 171 42.3 35.0 52.4
 170 28.8 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

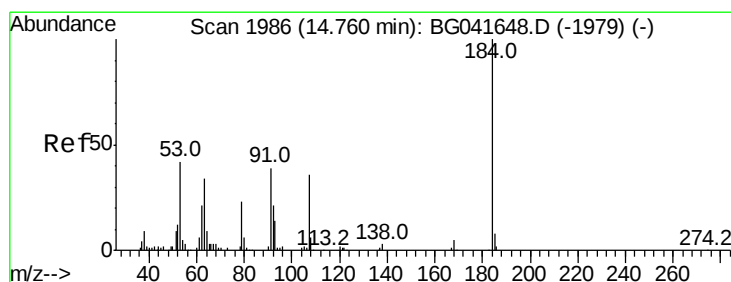
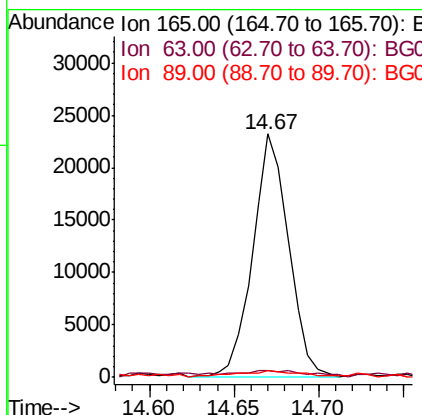
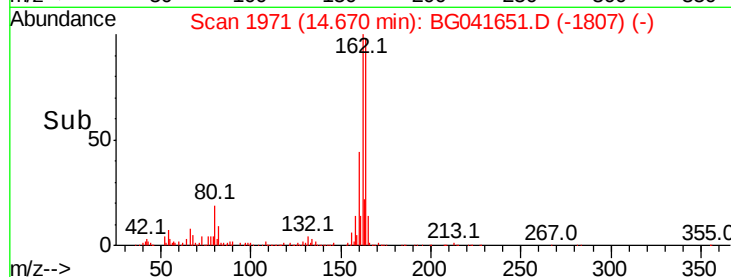
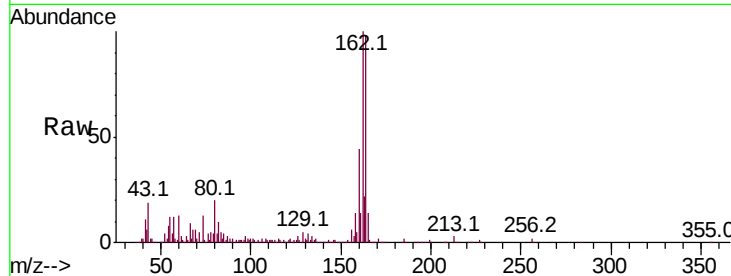




#51
2,6-Dinitrotoluene
Concen: 8.054 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.43 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

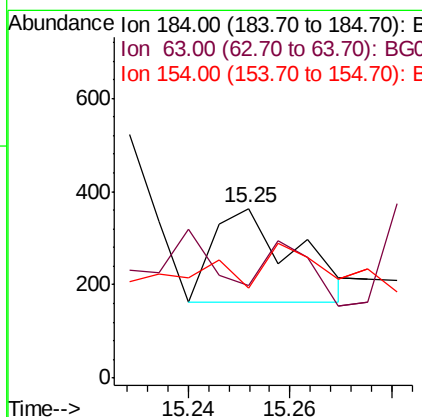
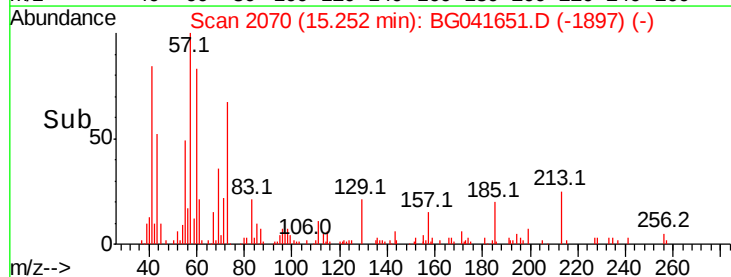
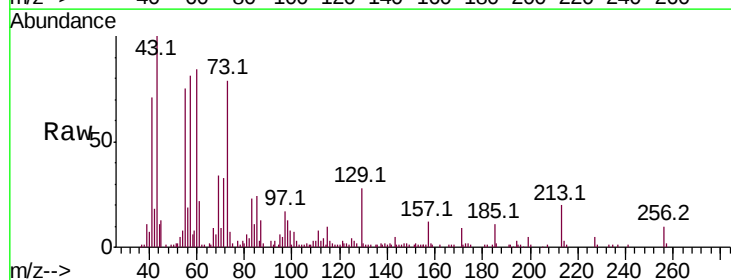
Instrument :
BNA_G
ClientSampleId :

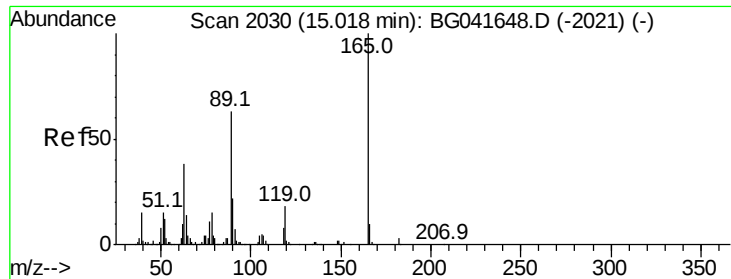
Tot Ion:165 Resp: 34428
Ion Ratio Lower Upper
165 100
63 2.8 42.4 63.6#
89 2.6 42.1 63.1#



#54
2,4-Dinitrophenol
Concen: 7.823 ng
RT: 15.25 min Scan# 2070
Delta R.T. 0.49 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Tgt Ion:184 Resp: 225
Ion Ratio Lower Upper
184 100
63 54.3 43.2 64.8
154 52.9 51.4 77.2

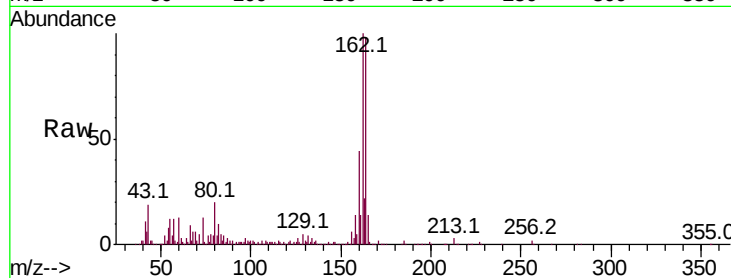




#57
 2,4-Dinitrotoluene
 Concen: 6.093 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.35 min
 Lab File: BG041651.D
 Acq: 15 Jul 2019 16:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	31.7	47.5#
89	2.6	50.2	75.4#
182	0.0	2.6	4.0#

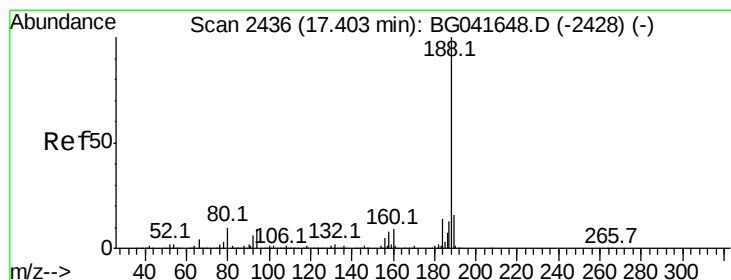
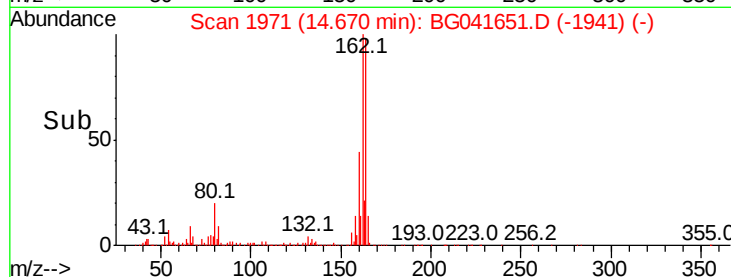
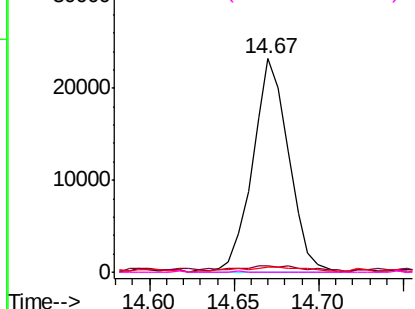


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

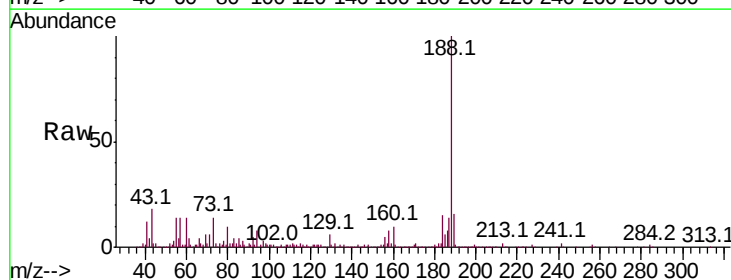
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: BG041651.D
 Acq: 15 Jul 2019 16:21

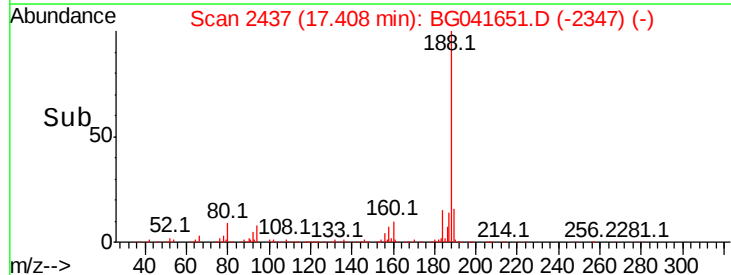
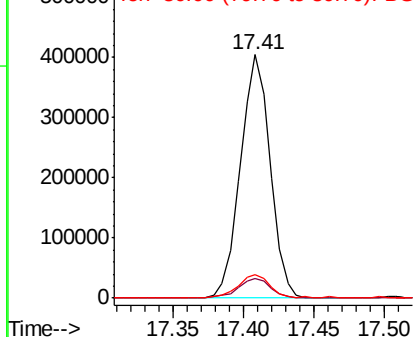
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	9.6	8.0	12.0

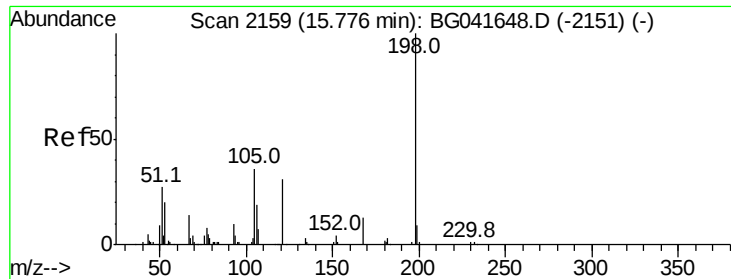


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.694 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.06 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

Instrument :

BNA_G

ClientSampleId :

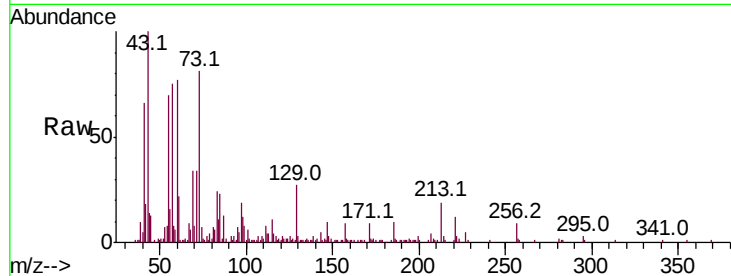
Tot Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 354.5 22.3 62.3#

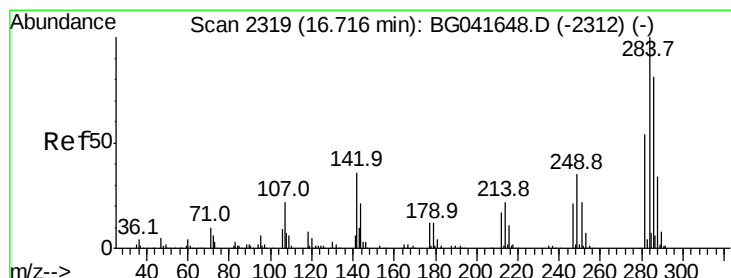
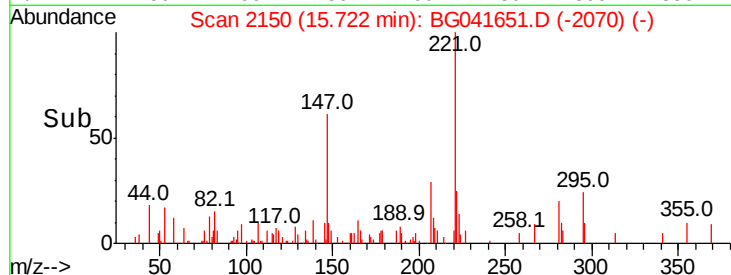
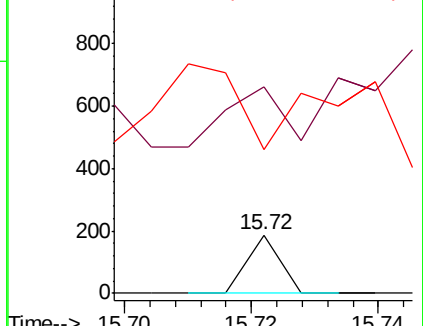
105 246.5 18.0 58.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#68

Hexachlorobenzene

Concen: 52.385 ng

RT: 16.75 min Scan# 2325

Delta R.T. 0.03 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

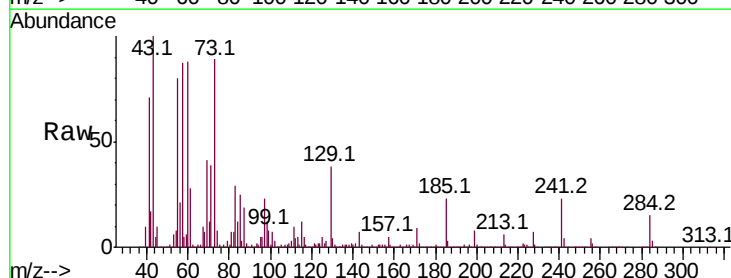
Tgt Ion:284 Resp: 372400

Ion Ratio Lower Upper

284 100

142 0.0 27.0 40.6#

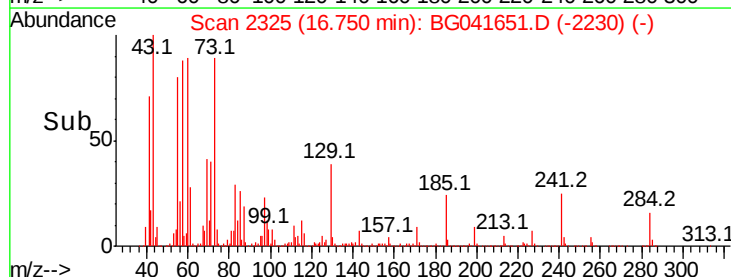
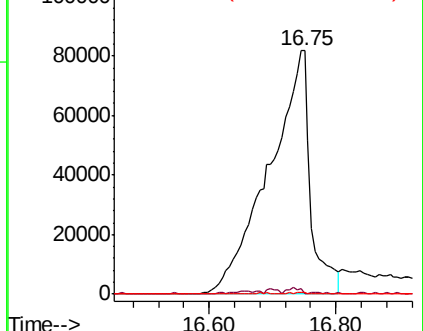
249 0.6 28.4 42.6#

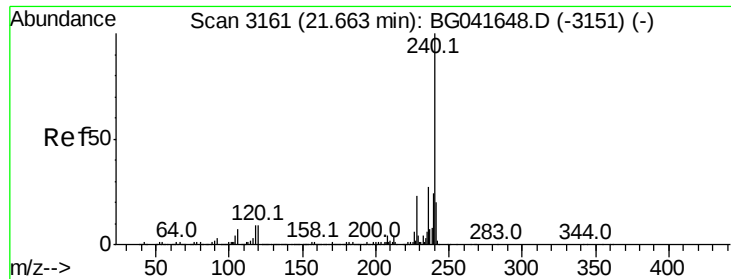


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. 0.00 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

Instrument :

BNA_G

ClientSampleId :

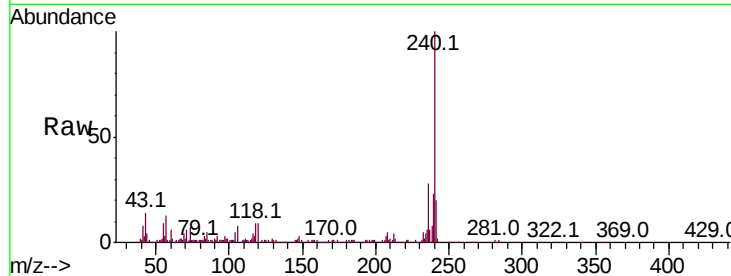
Tot Ion:240 Resp: 610818

Ion Ratio Lower Upper

240 100

120 9.4 8.0 12.0

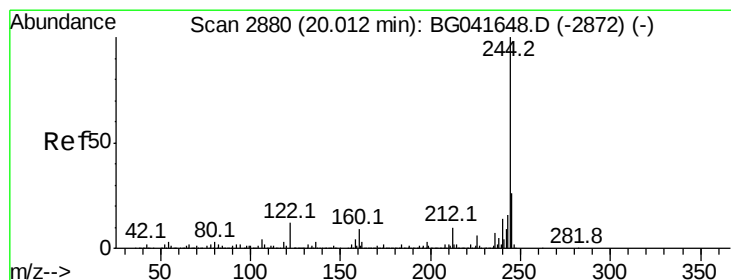
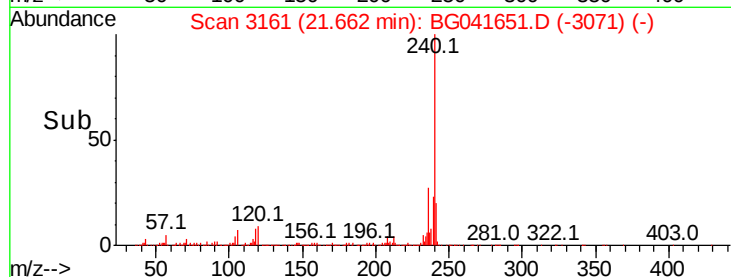
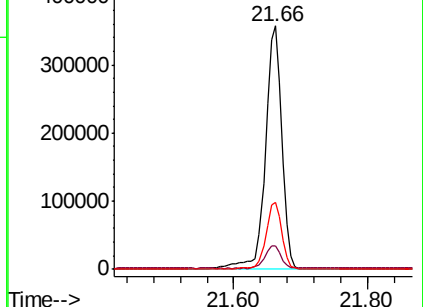
236 27.5 22.6 33.8



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: 87.392 ng

RT: 20.02 min Scan# 2881

Delta R.T. 0.01 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

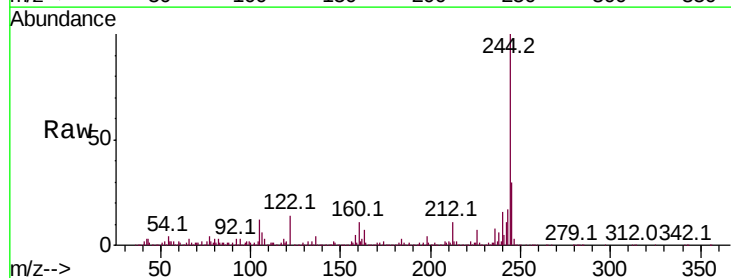
Tgt Ion:244 Resp: 2284267

Ion Ratio Lower Upper

244 100

212 11.5 9.7 14.5

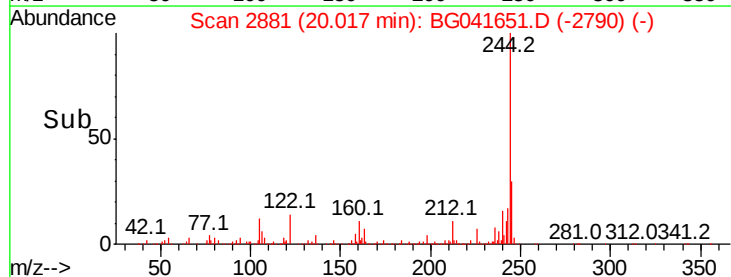
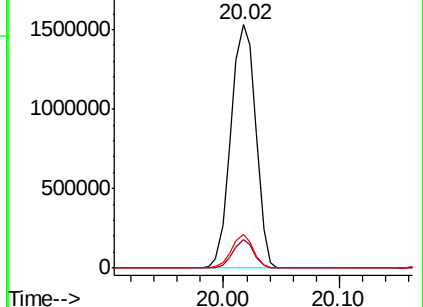
122 14.0 12.5 18.7

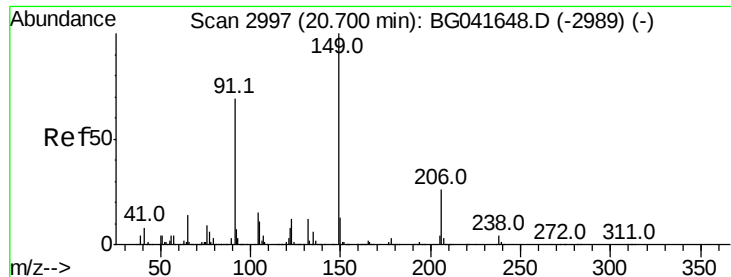


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

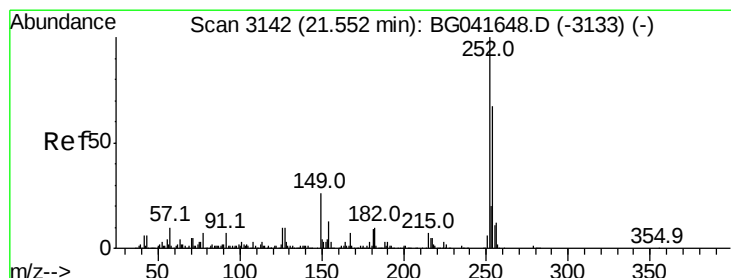
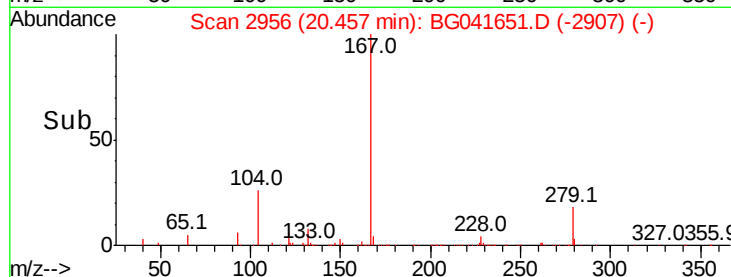
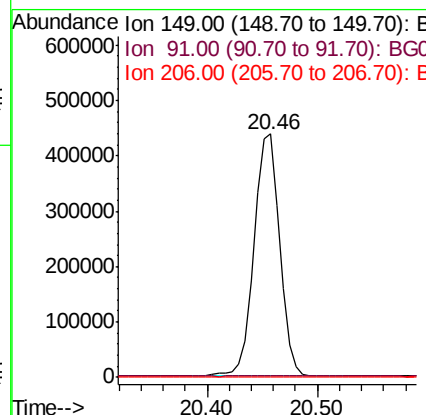
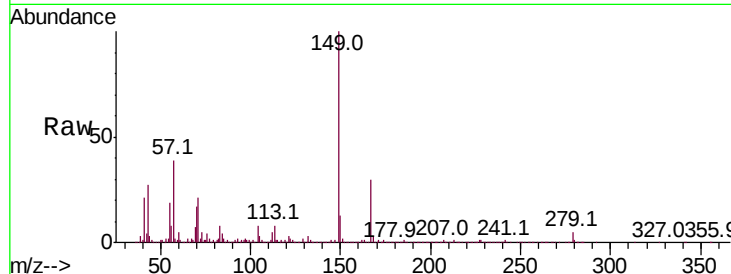




#80
Butylbenzylphthalate
Concen: 41.491 ng
RT: 20.46 min Scan# 2956
Delta R.T. -0.24 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

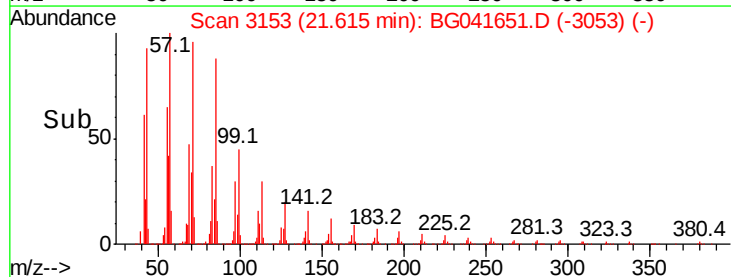
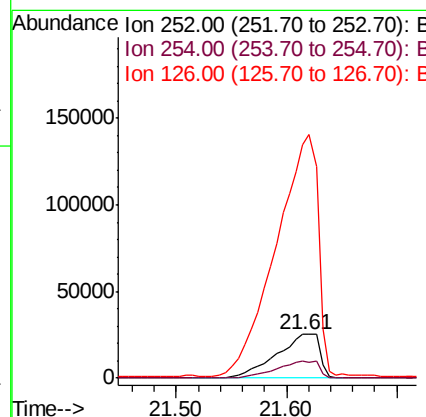
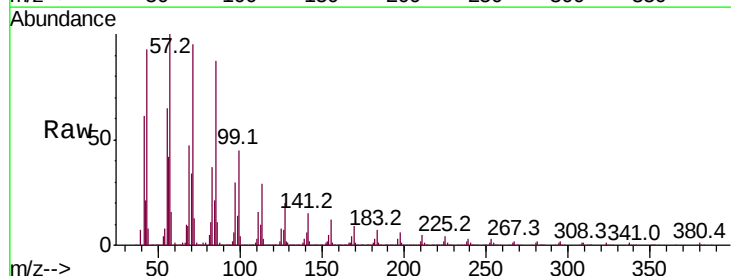
Instrument :
BNA_G
ClientSampleID :

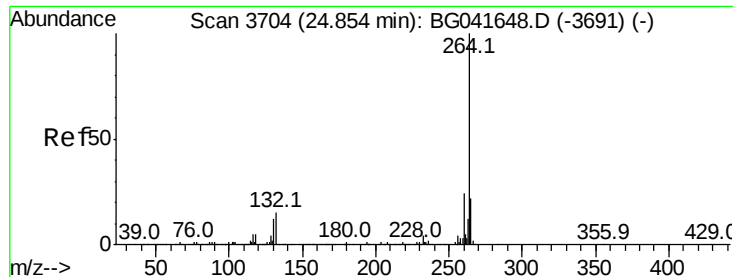
Tot Ion	Ratio	Lower	Upper
149	100		
91	0.6	58.9	88.3#
206	0.1	20.8	31.2#



#82
3,3'-Dichlorobenzidine
Concen: 4.407 ng
RT: 21.61 min Scan# 3153
Delta R.T. 0.06 min
Lab File: BG041651.D
Acq: 15 Jul 2019 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
254	38.5	53.8	80.6#
126	534.8	7.8	11.8#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

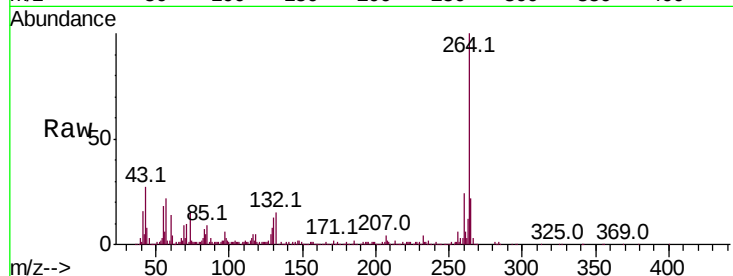
Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 654757

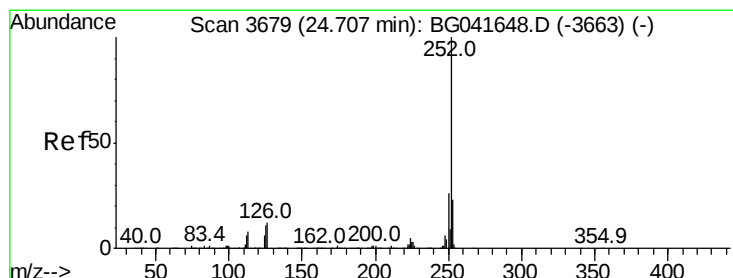
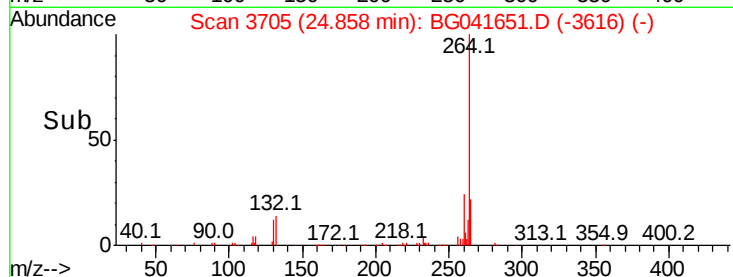
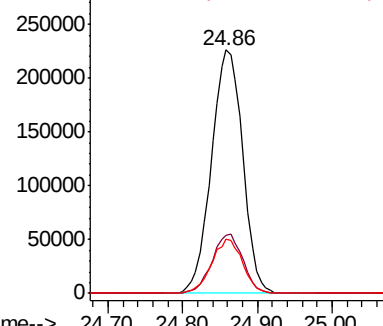
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.3	18.0	27.0



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



#90

Benzo(a)pyrene

Concen: 4.108 ng

RT: 24.40 min Scan# 3627

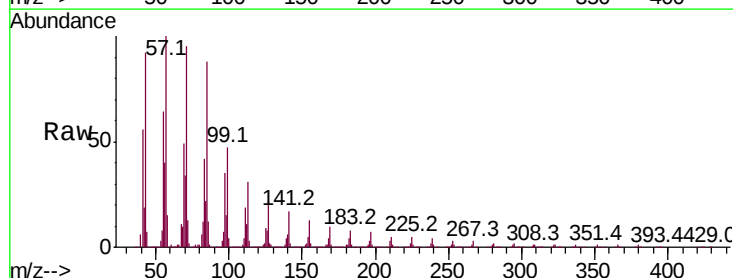
Delta R.T. -0.32 min

Lab File: BG041651.D

Acq: 15 Jul 2019 16:21

Tgt Ion:252 Resp: 154348

Ion	Ratio	Lower	Upper
252	100		
253	204.0	19.8	29.8#
125	653.9	8.8	13.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

