

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041655.D
 Acq On : 15 Jul 2019 18:54
 Operator : HP/JU
 Sample : K3740-09RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-24

Quant Time: Jul 16 07:51:15 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	94304	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	368946	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	235361	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	572342	20.00	ng	0.00
76) Chrysene-d12	21.66	240	571444	20.00	ng	0.00
87) Perylene-d12	24.85	264	634598	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	705824	122.35	ng	0.00
7) Phenol-d6	7.20	99	905334	116.68	ng	0.00
23) Nitrobenzene-d5	9.21	82	631168	104.04	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	407783	153.74	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1442553	94.91	ng	0.00
79) Terphenyl-d14	20.01	244	2262566	92.53	ng	0.00

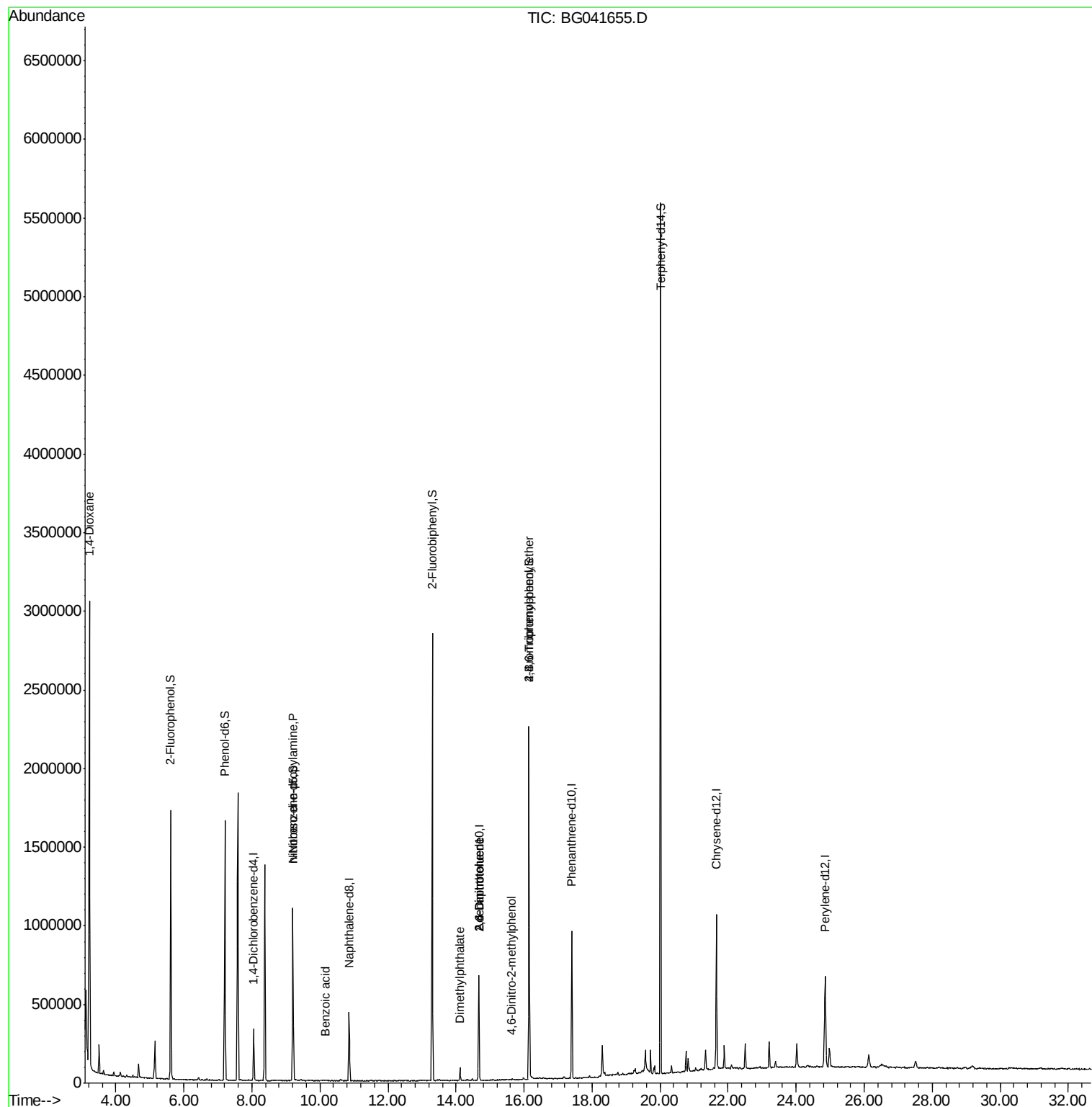
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	27413	10.005	ng	# 1
9) Benzaldehyde	7.20	77	1760	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.21	70	85824	15.133	ng	# 76
32) Benzoic acid	10.15	122	53	6.023	ng	# 34
50) Dimethylphthalate	14.12	163	54566	2.952	ng	# 98
51) 2,6-Dinitrotoluene	14.66	165	29921	7.631	ng	# 28
57) 2,4-Dinitrotoluene	14.66	165	29921	5.773	ng	# 30
65) 4,6-Dinitro-2-methylphenol	15.63	198	53	6.691	ng	# 35
67) 4-Bromophenyl-phenylether	16.15	248	32083	4.711	ng	# 1

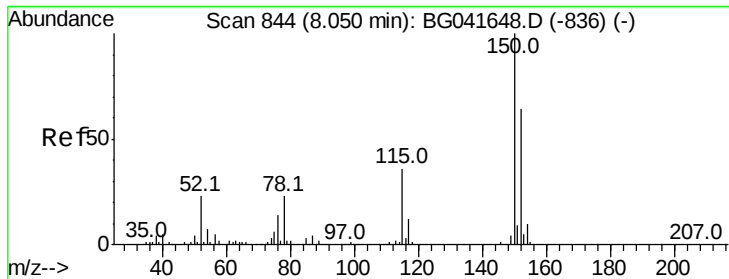
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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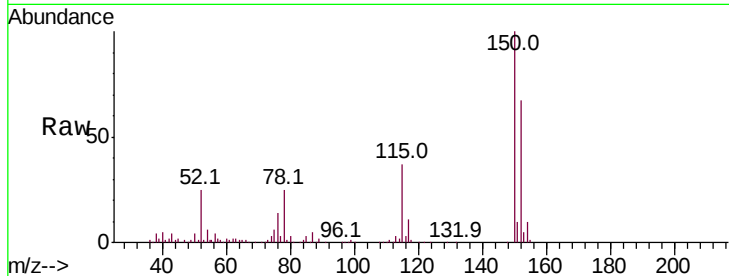


#1

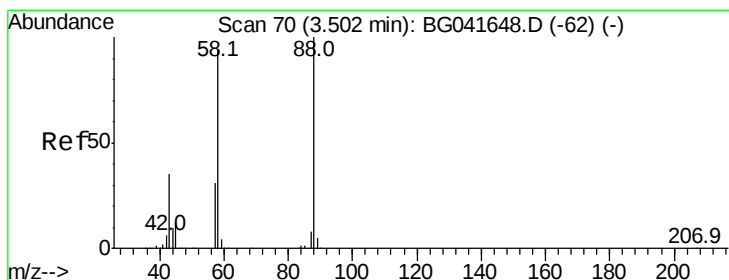
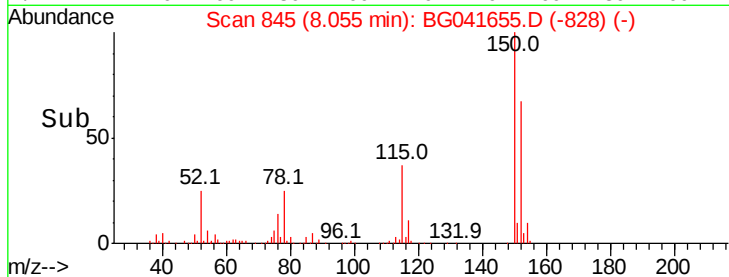
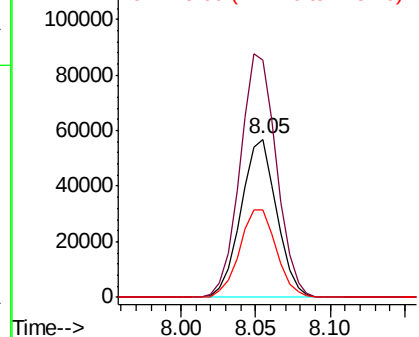
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. 0.00 min
Lab File: BG041655.D
Acq: 15 Jul 2019 18:54

Instrument :
BNA_G
ClientSampleId :
COMP-24

Tot Ion:152 Resp: 94304
Ion Ratio Lower Upper
152 100
150 149.9 126.9 190.3
115 55.0 45.0 67.6



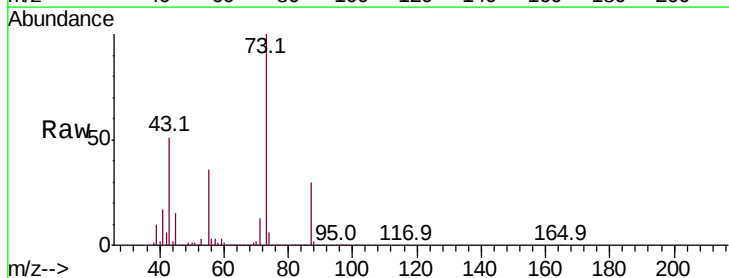
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



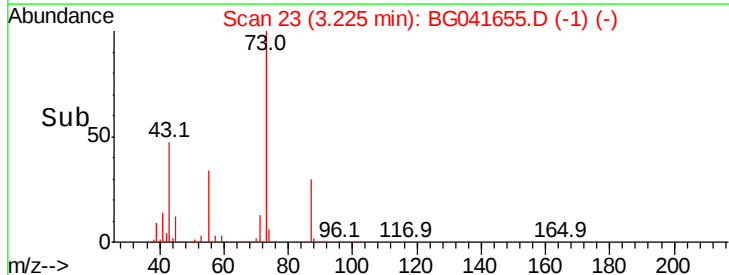
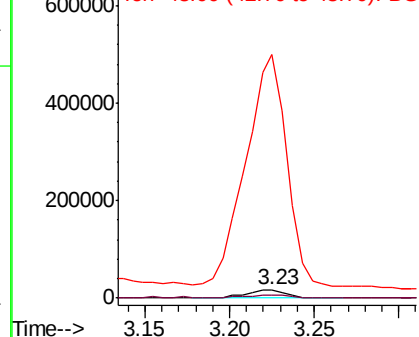
#2

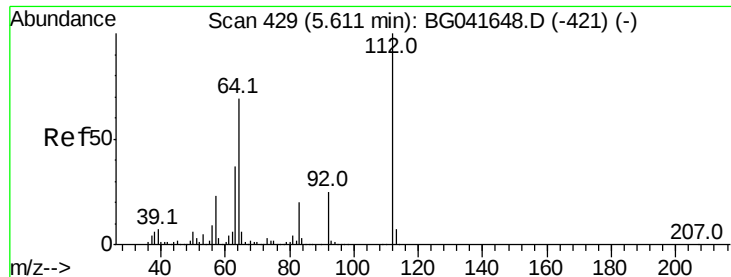
1,4-Dioxane
Concen: 10.005 ng
RT: 3.23 min Scan# 23
Delta R.T. -0.27 min
Lab File: BG041655.D
Acq: 15 Jul 2019 18:54

Tgt Ion: 88 Resp: 27413
Ion Ratio Lower Upper
88 100
58 35.3 76.2 114.2#
43 2914.0 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: 122.354 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

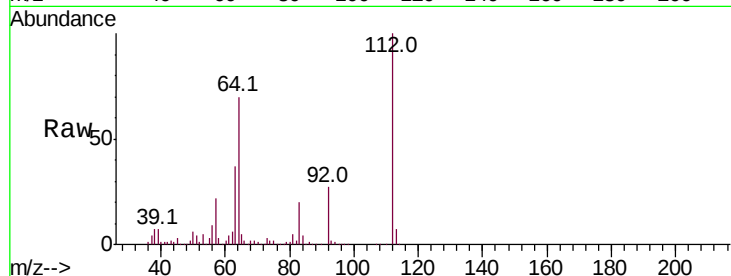
Tot Ion:112 Resp: 705824

Ion Ratio Lower Upper

112 100

64 70.2 55.4 83.2

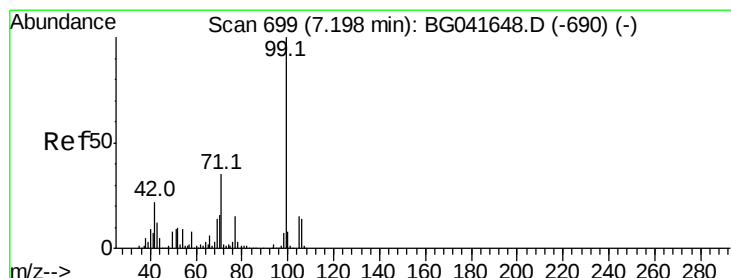
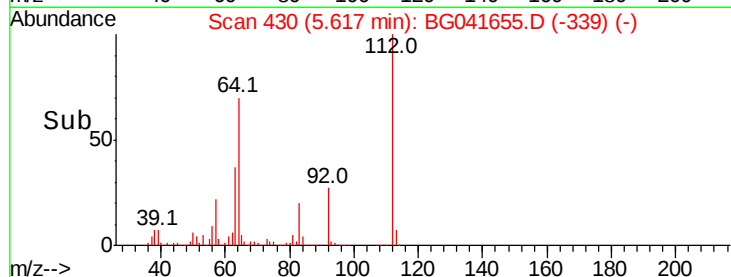
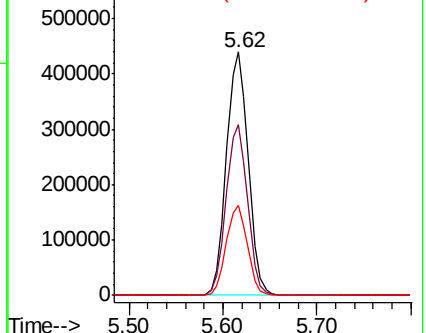
63 36.7 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 116.679 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

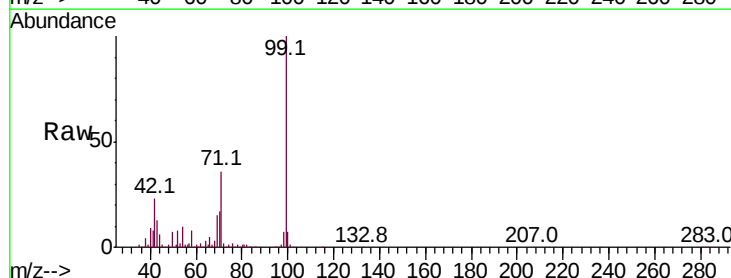
Tgt Ion: 99 Resp: 905334

Ion Ratio Lower Upper

99 100

42 22.6 17.6 26.4

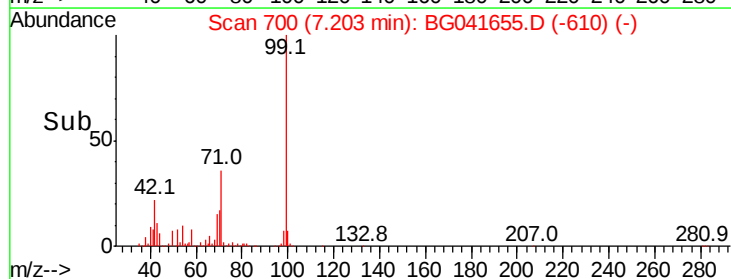
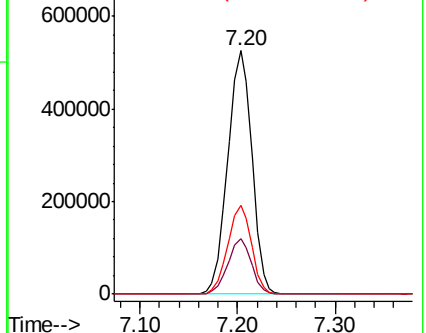
71 36.2 27.8 41.6

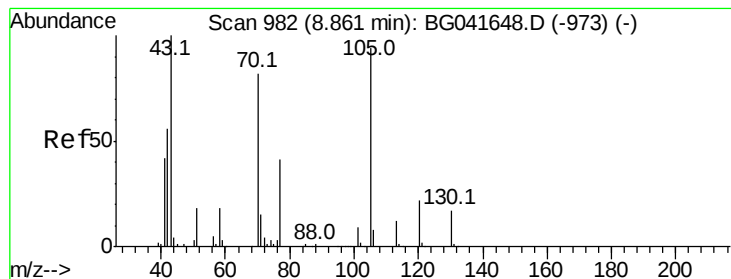


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.133 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

Tot Ion: 70 Resp: 85824

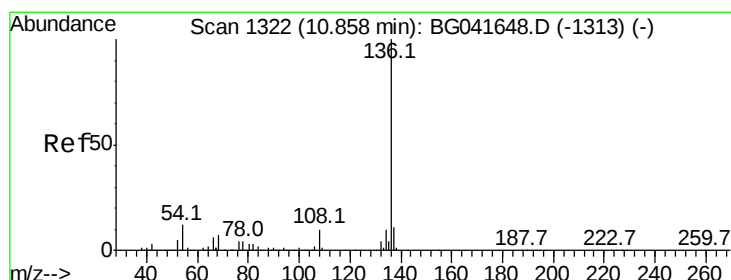
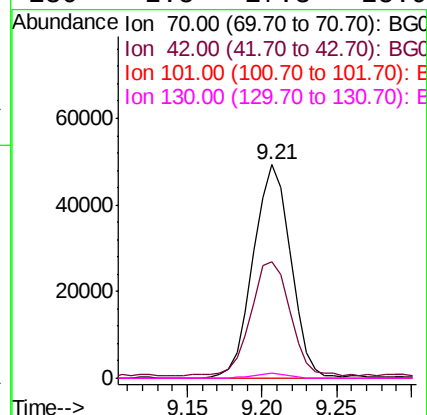
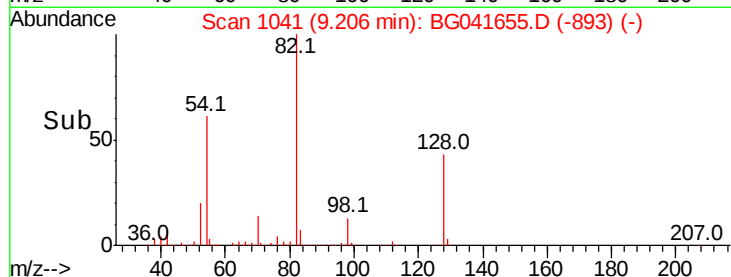
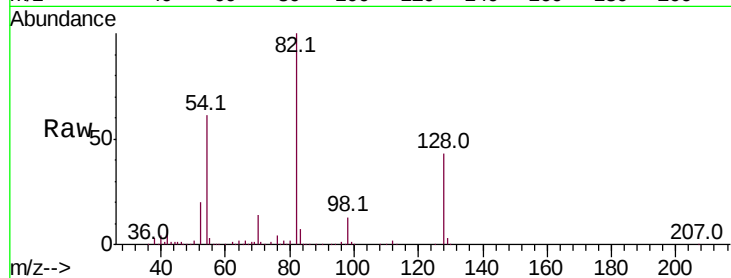
Ion Ratio Lower Upper

70 100

42 54.3 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: BG041655.D

Acq: 15 Jul 2019 18:54

Tgt Ion:136 Resp: 368946

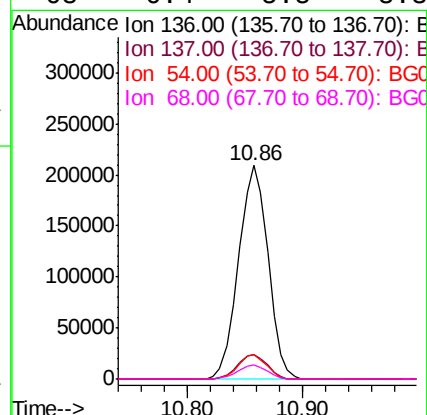
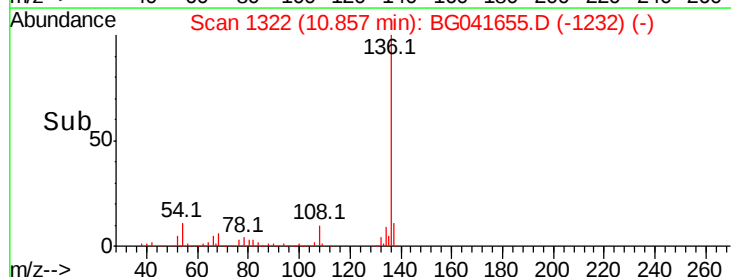
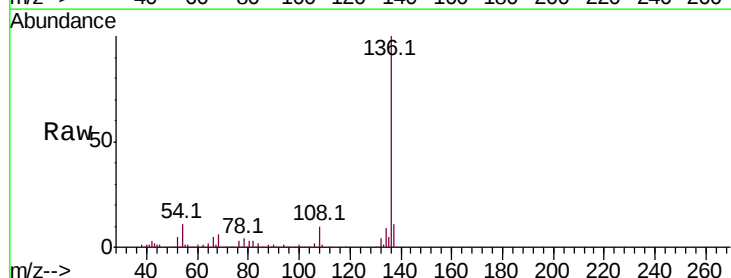
Ion Ratio Lower Upper

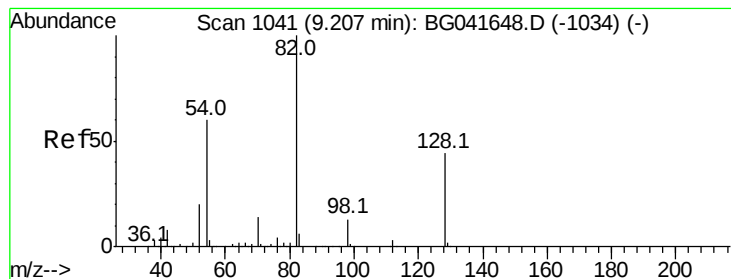
136 100

137 11.5 9.2 13.8

54 11.4 8.7 13.1

68 6.4 5.5 8.3





#23

Nitrobenzene-d5

Concen: 104.038 ng

RT: 9.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

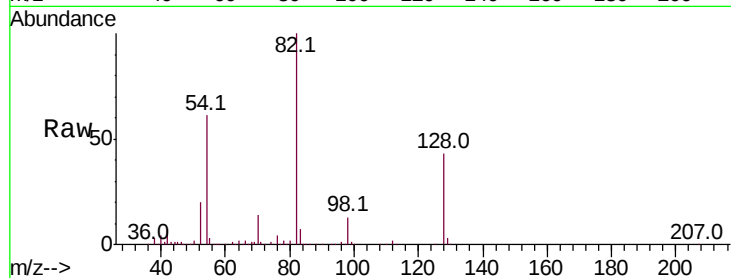
Tot Ion: 82 Resp: 631168

Ion Ratio Lower Upper

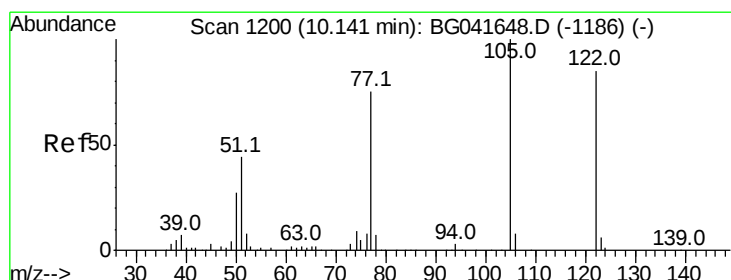
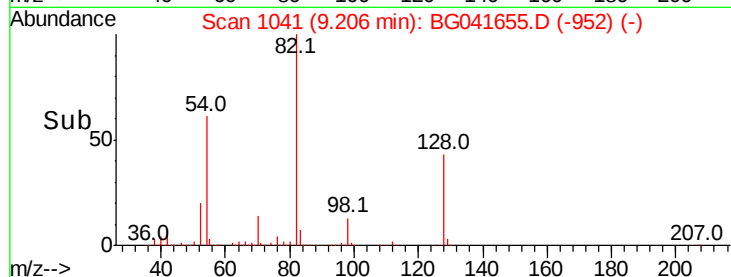
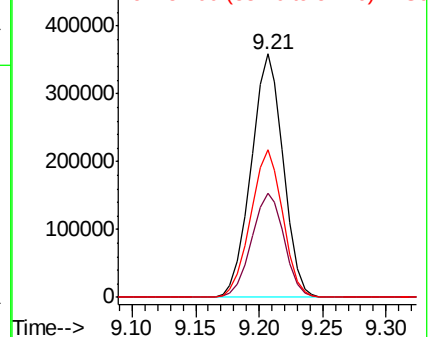
82 100

128 43.0 35.1 52.7

54 60.7 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: 6.023 ng

RT: 10.15 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

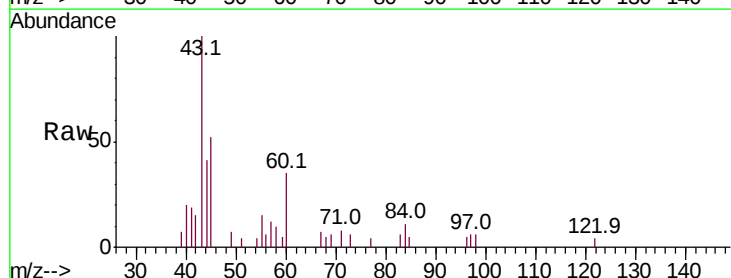
Tgt Ion:122 Resp: 53

Ion Ratio Lower Upper

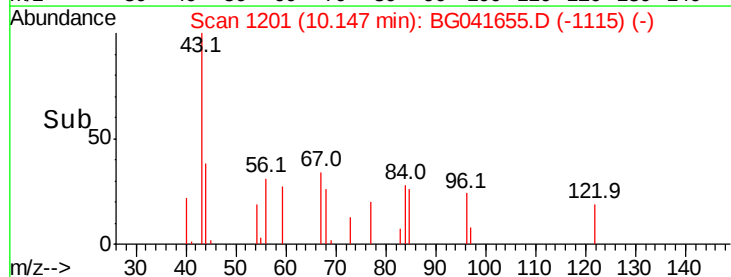
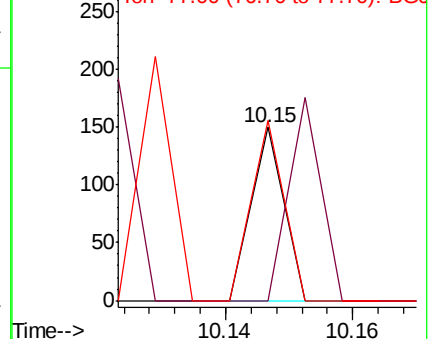
122 100

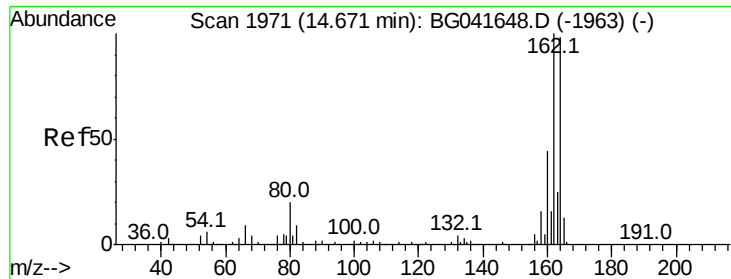
105 0.0 101.5 141.5#

77 104.0 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: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

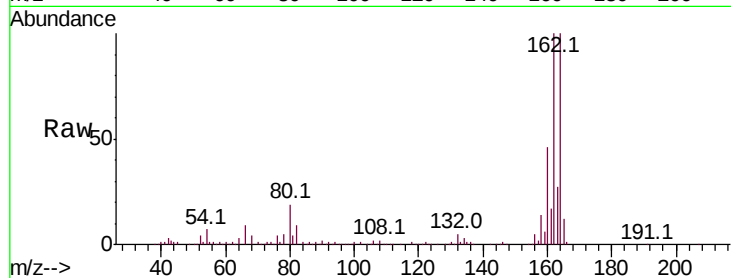
Tot Ion:164 Resp: 235361

Ion Ratio Lower Upper

164 100

162 100.5 79.6 119.4

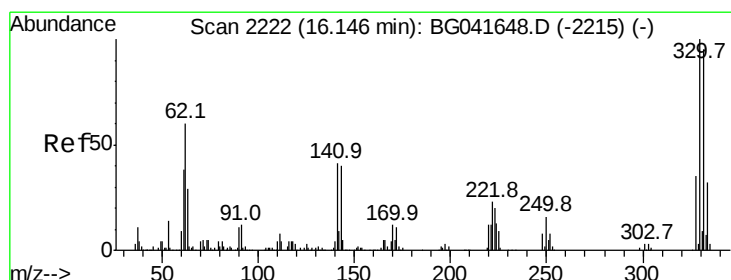
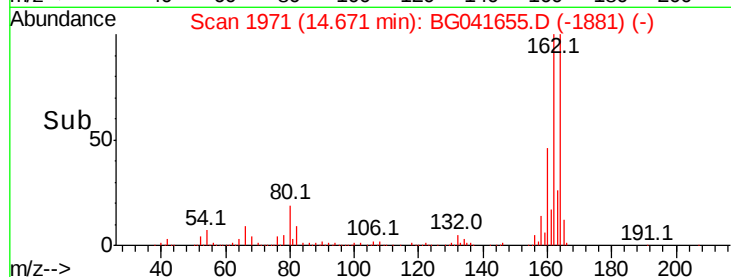
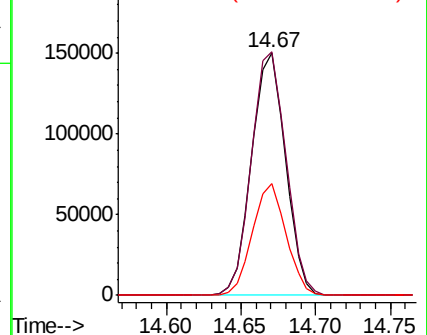
160 46.1 35.4 53.0



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: 153.736 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.00 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

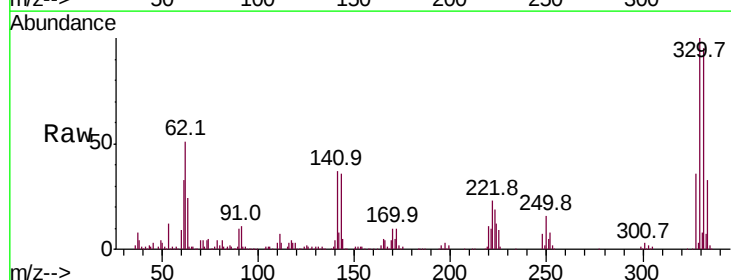
Tgt Ion:330 Resp: 407783

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

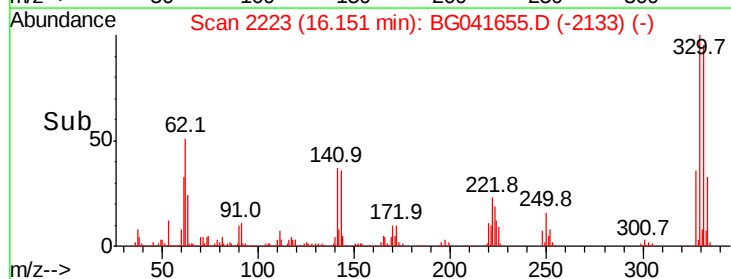
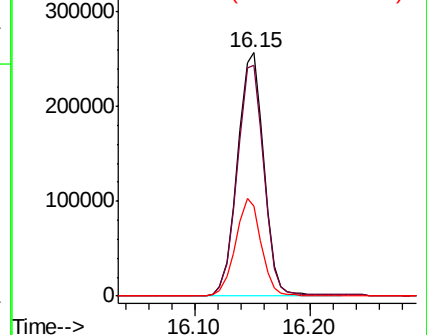
141 39.1 31.9 47.9

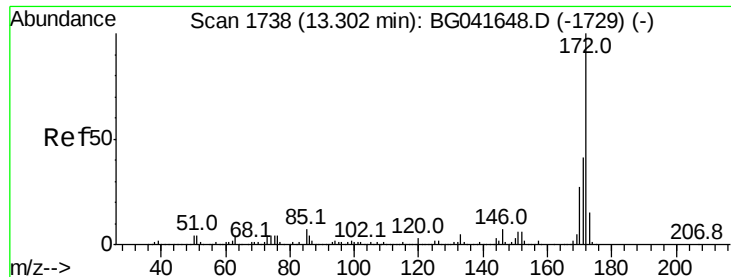


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

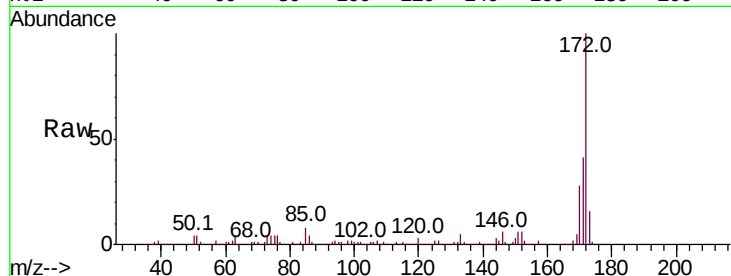




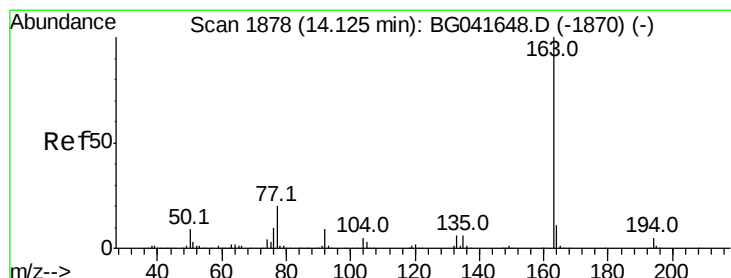
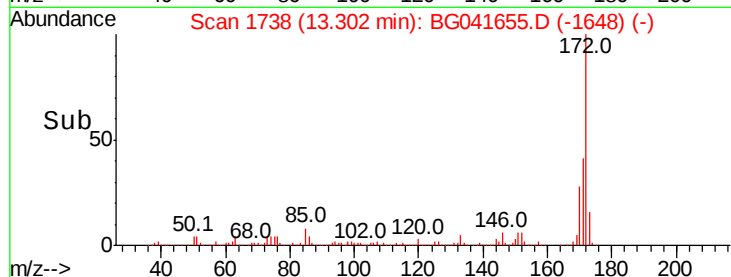
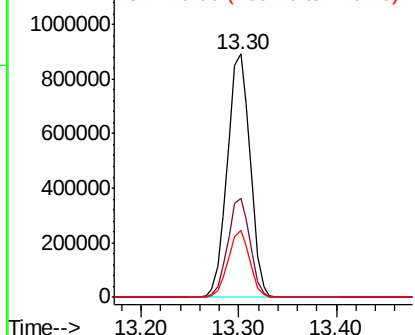
#45
2-Fluorobiphenyl
Concen: 94.909 ng
RT: 13.30 min Scan# 1738
Delta R.T. 0.00 min
Lab File: BG041655.D
Acq: 15 Jul 2019 18:54

Instrument :
BNA_G
ClientSampleId :
COMP-24

Tot Ion:172 Resp: 1442553
Ion Ratio Lower Upper
172 100
171 40.8 35.0 52.4
170 27.5 23.5 35.3

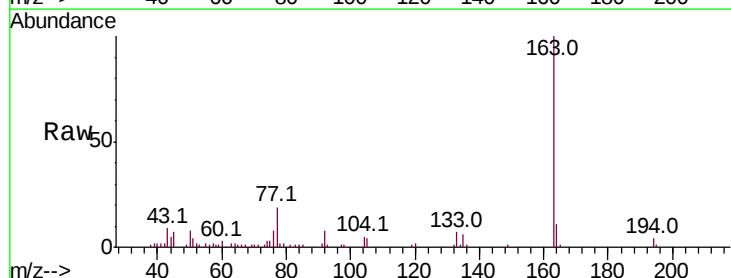


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

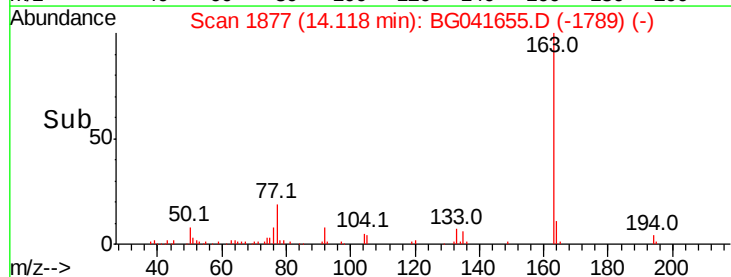
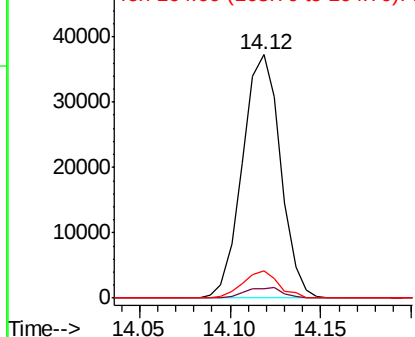


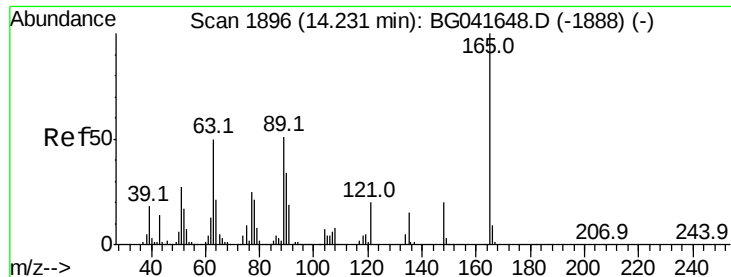
#50
Dimethylphthalate
Concen: 2.952 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG041655.D
Acq: 15 Jul 2019 18:54

Tgt Ion:163 Resp: 54566
Ion Ratio Lower Upper
163 100
194 4.1 4.2 6.2#
164 11.1 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: 7.631 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

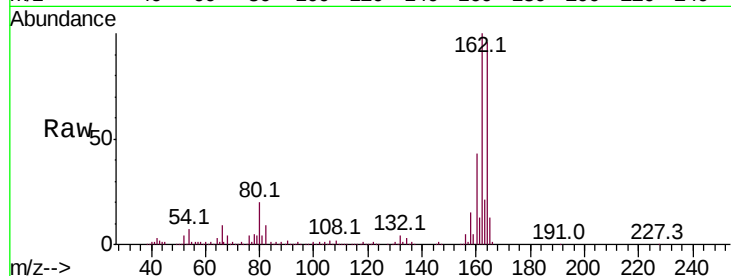
Tot Ion:165 Resp: 29921

Ion Ratio Lower Upper

165 100

63 1.3 42.4 63.6#

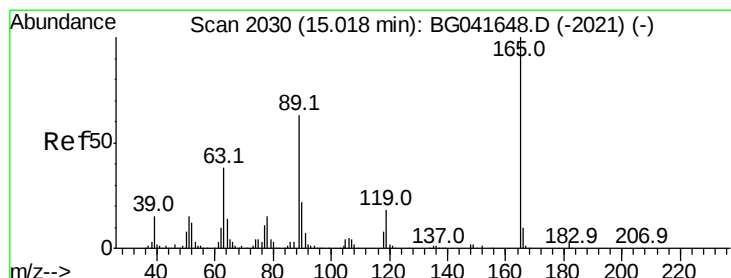
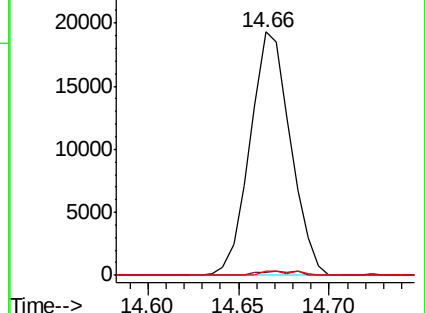
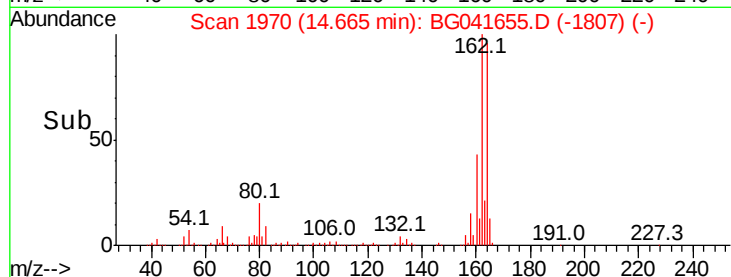
89 1.9 42.1 63.1#



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: 5.773 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

Tgt Ion:165 Resp: 29921

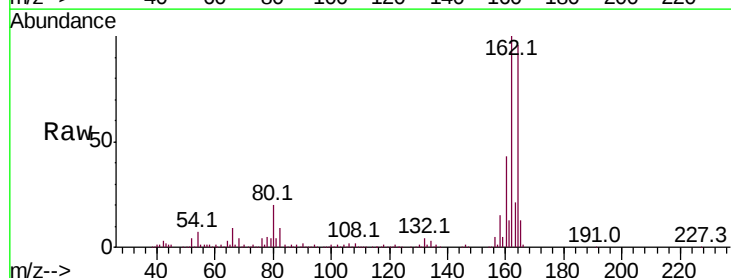
Ion Ratio Lower Upper

165 100

63 1.3 31.7 47.5#

89 1.9 50.2 75.4#

182 0.0 2.6 4.0#

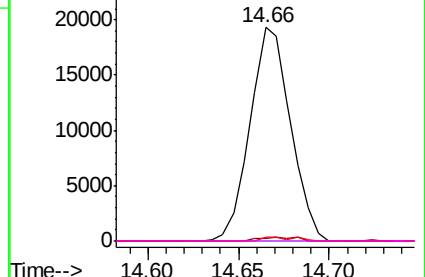
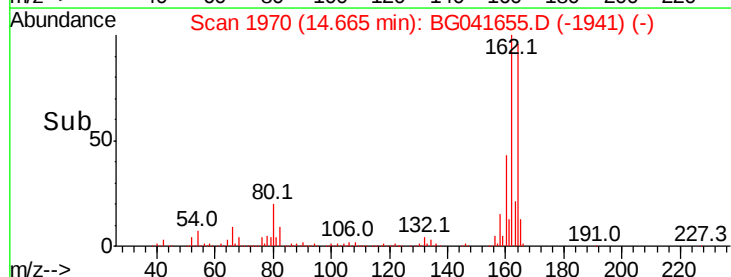


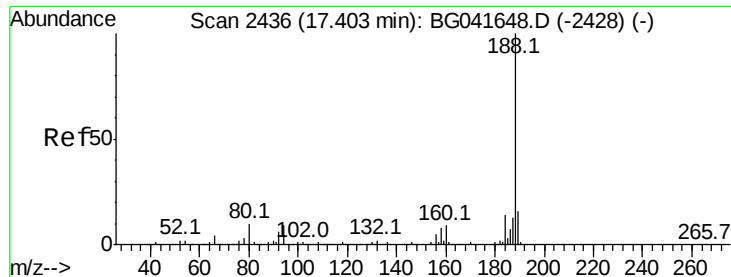
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG041655.D

Acq: 15 Jul 2019 18:54

Instrument :

BNA_G

ClientSampleId :

COMP-24

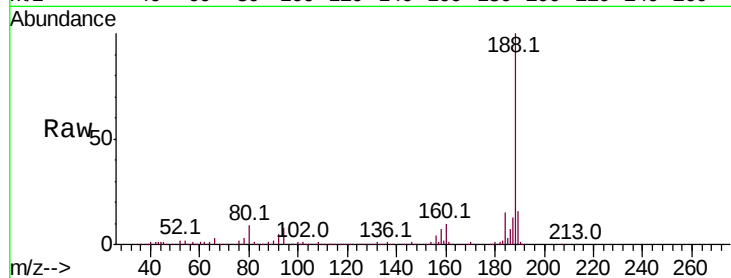
Tot Ion:188 Resp: 572342

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

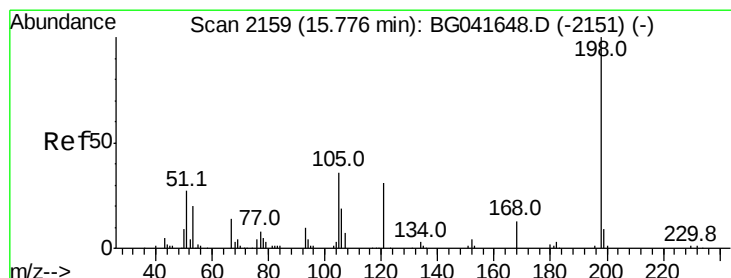
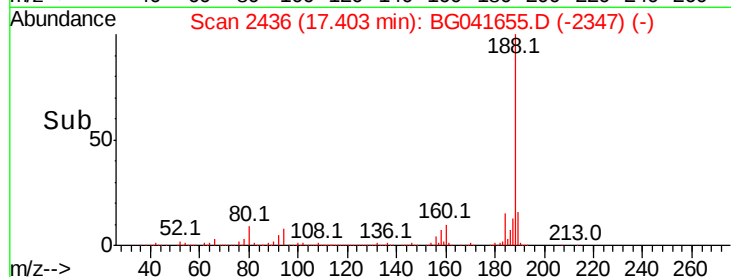
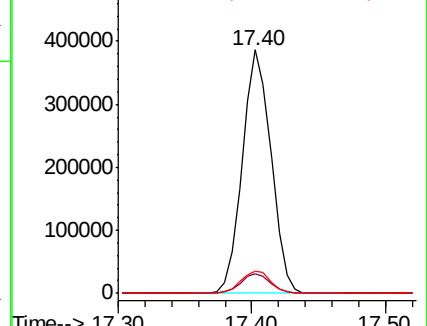
80 9.4 8.0 12.0



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: 6.691 ng

RT: 15.63 min Scan# 2135

Delta R.T. -0.15 min

Lab File: BG041655.D

Acq: 15 Jul 2019 18:54

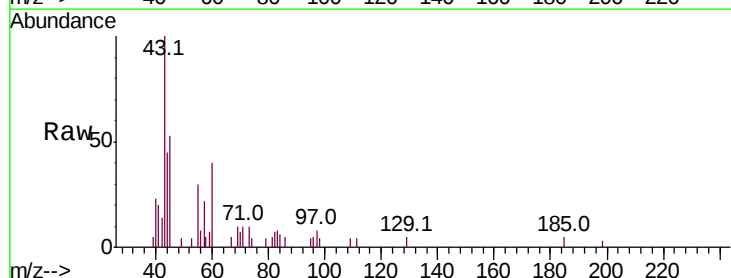
Tgt Ion:198 Resp: 53

Ion Ratio Lower Upper

198 100

51 0.0 22.3 62.3#

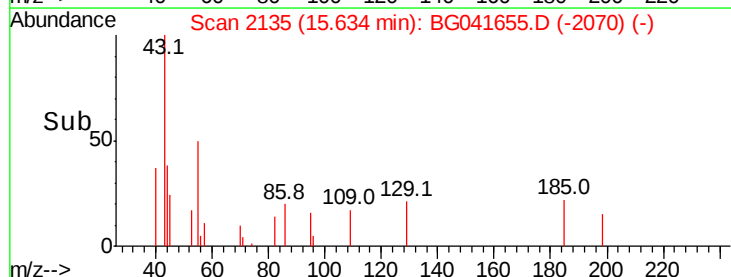
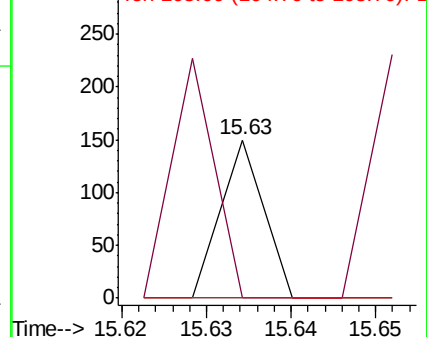
105 0.0 18.0 58.0#

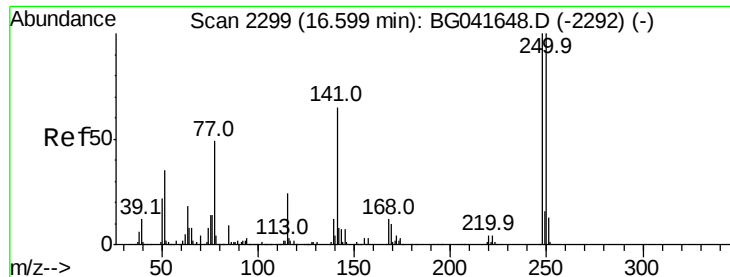


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

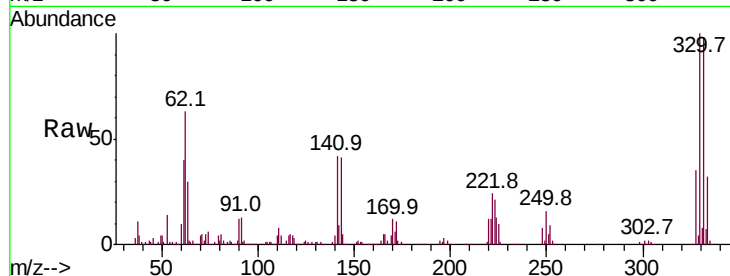




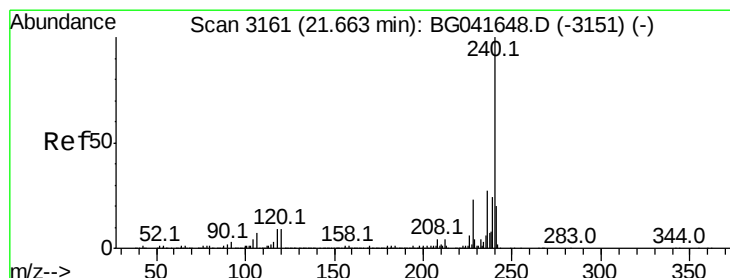
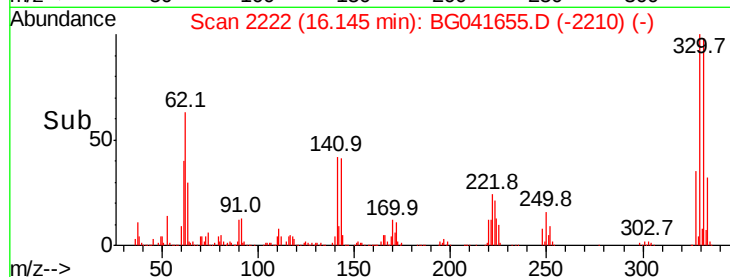
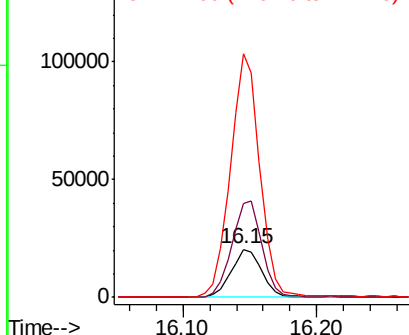
#67
 4-Bromophenyl-phenylether
 Concen: 4.711 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041655.D
 Acq: 15 Jul 2019 18:54

Instrument :
 BNA_G
 ClientSampleId :
 COMP-24

Tot Ion:248 Resp: 32083
 Ion Ratio Lower Upper
 248 100
 250 193.9 78.1 117.1#
 141 503.3 49.6 74.4#

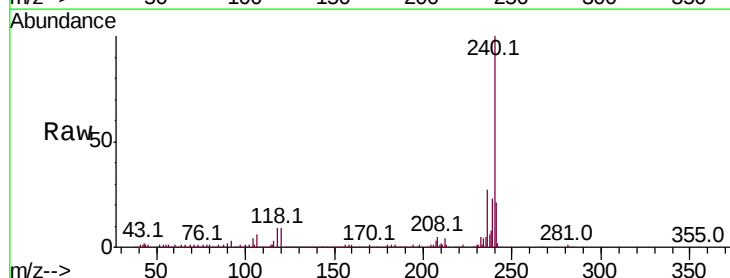


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

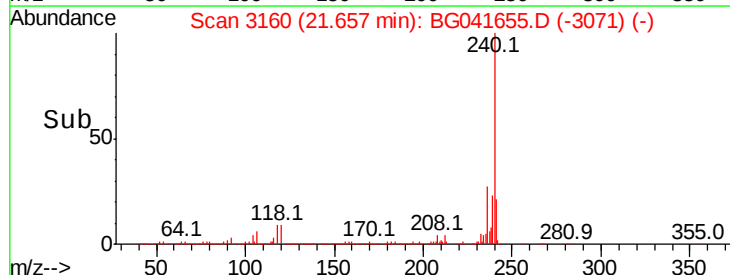
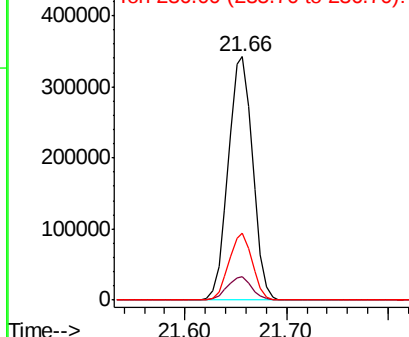


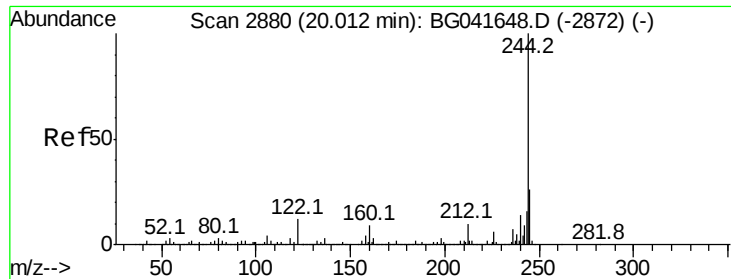
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BG041655.D
 Acq: 15 Jul 2019 18:54

Tgt Ion:240 Resp: 571444
 Ion Ratio Lower Upper
 240 100
 120 9.4 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



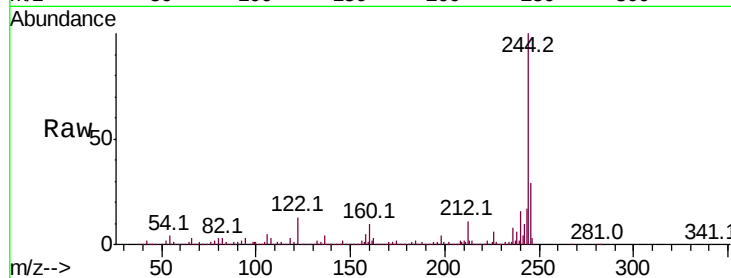


#79
 Terphenyl-d14
 Concen: 92.526 ng
 RT: 20.01 min Scan# 2880
 Delta R.T. 0.00 min
 Lab File: BG041655.D
 Acq: 15 Jul 2019 18:54

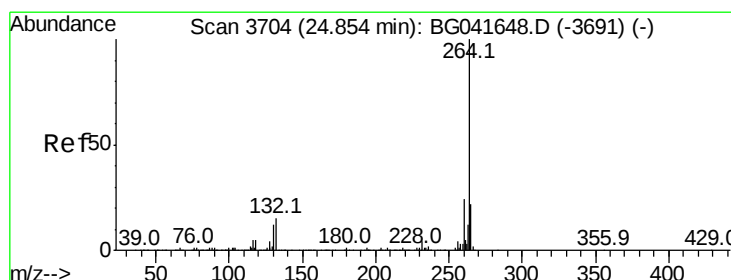
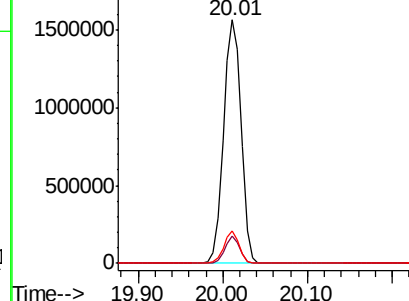
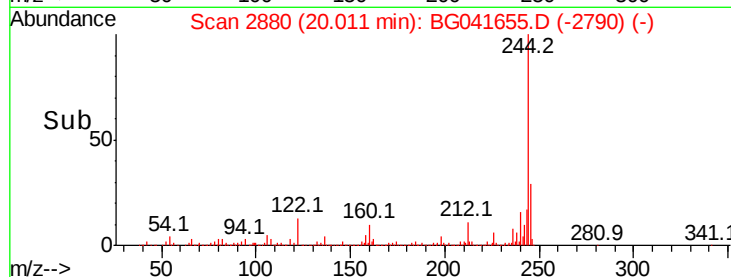
Instrument :
 BNA_G
 ClientSampleId :
 COMP-24

Tot Ion:244 Resp: 2262566

Ion	Ratio	Lower	Upper
244	100		
212	11.0	9.7	14.5
122	13.5	12.5	18.7



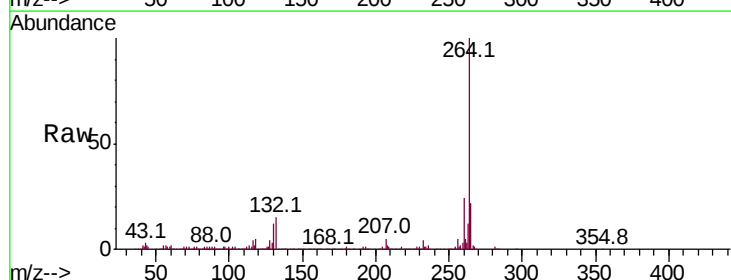
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG041655.D
 Acq: 15 Jul 2019 18:54

Tgt Ion:264 Resp: 634598

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.0	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

