

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071519\
 Data File : BG041654.D
 Acq On : 15 Jul 2019 18:16
 Operator : HP/JU
 Sample : K3626-08RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071119-B

Quant Time: Jul 16 07:51:04 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	101435	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	406254	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	257488	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	615745	20.00	ng	0.00
76) Chrysene-d12	21.66	240	604138	20.00	ng	0.00
87) Perylene-d12	24.85	264	668870	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	714490	115.15	ng	0.00
7) Phenol-d6	7.20	99	907090	108.69	ng	0.00
23) Nitrobenzene-d5	9.21	82	665653	99.65	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	441149	152.02	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1575942	94.78	ng	0.00
79) Terphenyl-d14	20.01	244	2366957	91.56	ng	0.00

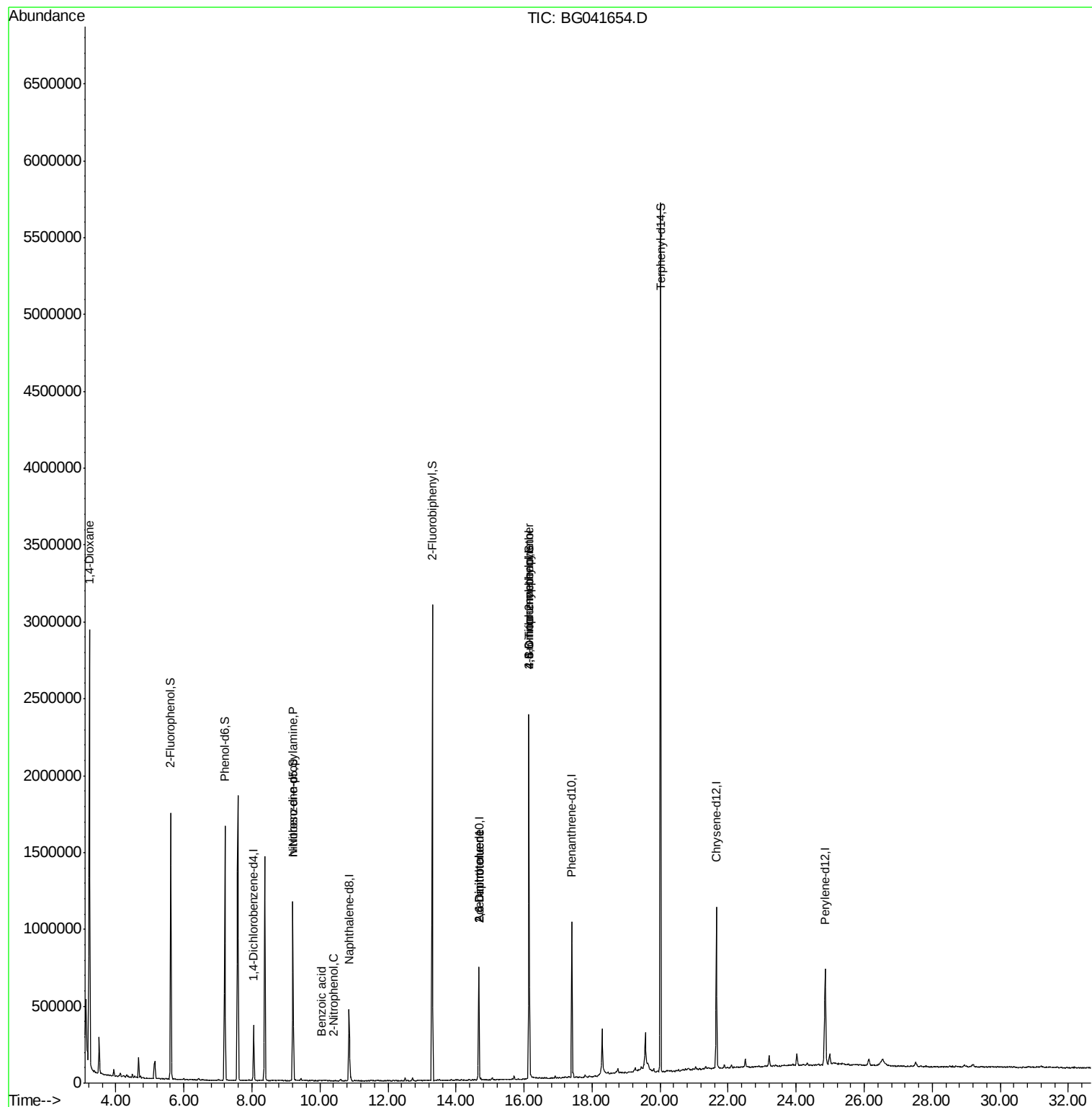
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.23	88	27285	9.259	ng	# 1
9) Benzaldehyde	7.16	77	65	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.21	70	92862	15.223	ng	# 76
26) 2-Nitrophenol	10.41	139	55	4.668	ng	# 34
32) Benzoic acid	10.05	122	312	6.074	ng	# 95
51) 2,6-Dinitrotoluene	14.67	165	33963	7.918	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	33963	5.990	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.15	198	1454	7.102	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	34631	4.727	ng	# 1

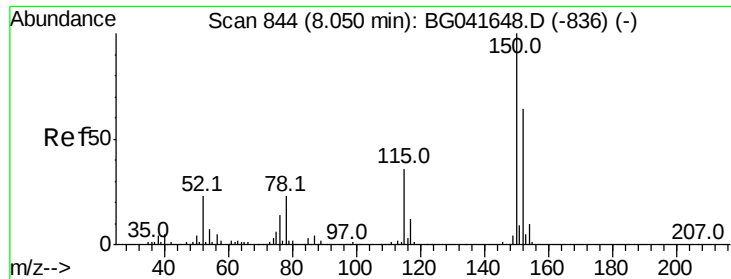
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

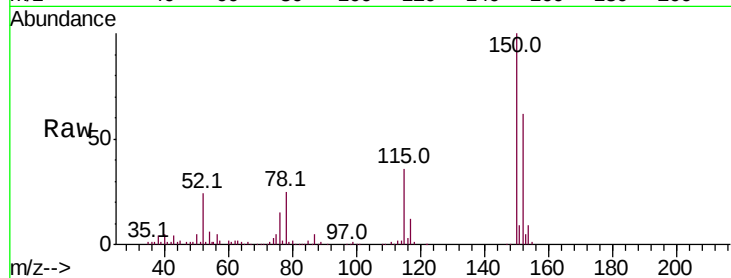
Tot Ion:152 Resp: 101435

Ion Ratio Lower Upper

152 100

150 160.2 126.9 190.3

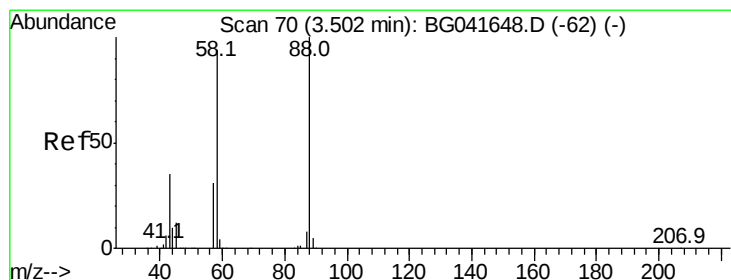
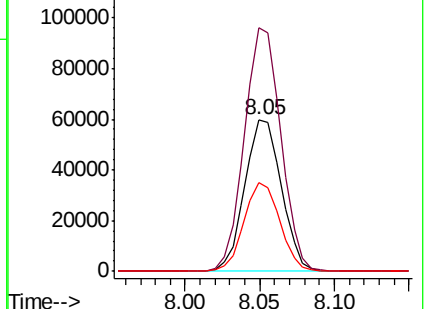
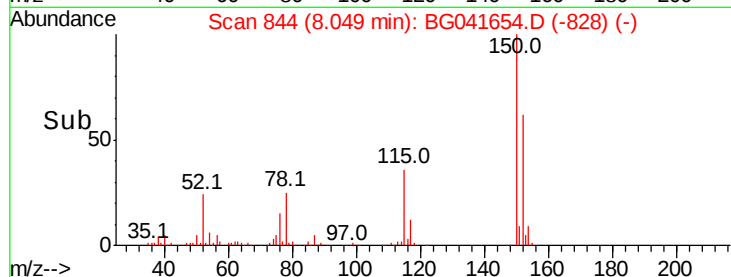
115 58.3 45.0 67.6



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: 9.259 ng

RT: 3.23 min Scan# 23

Delta R.T. -0.27 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

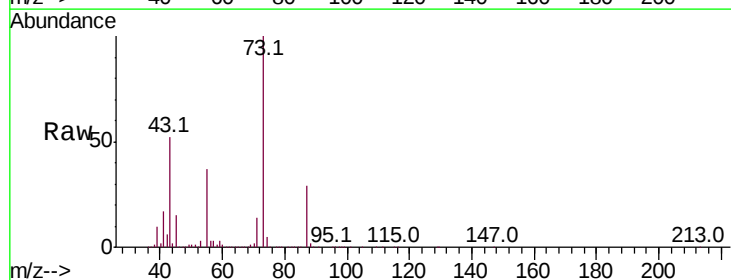
Tgt Ion: 88 Resp: 27285

Ion Ratio Lower Upper

88 100

58 34.3 76.2 114.2#

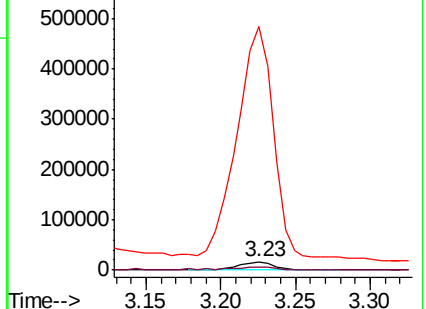
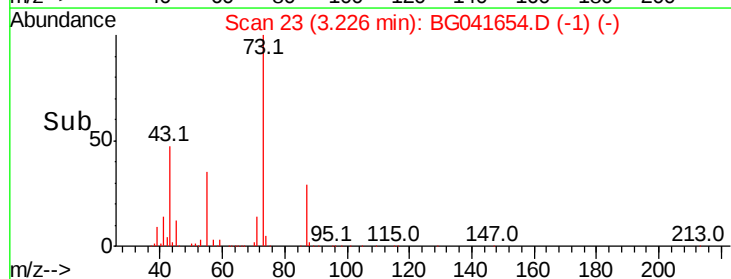
43 2968.1 27.2 40.8#

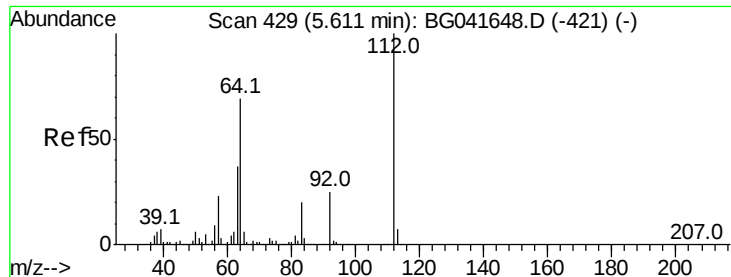


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 115.149 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

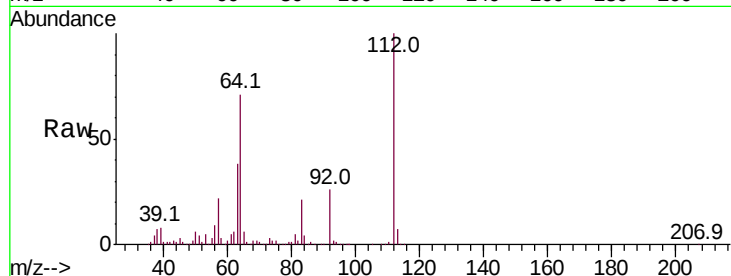
Tot Ion:112 Resp: 714490

Ion Ratio Lower Upper

112 100

64 71.5 55.4 83.2

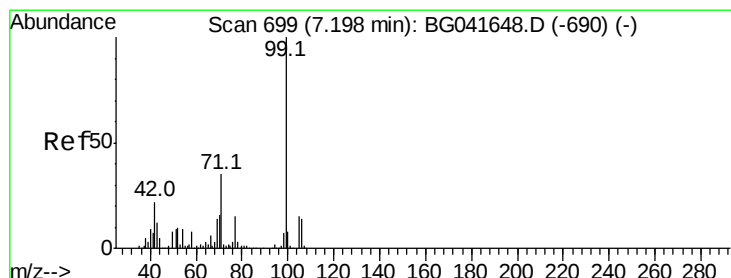
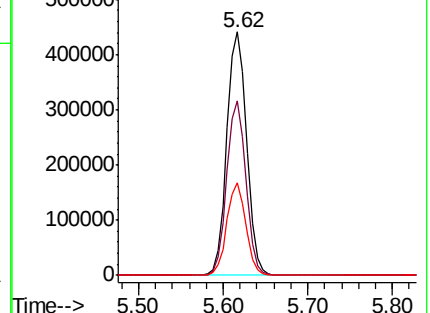
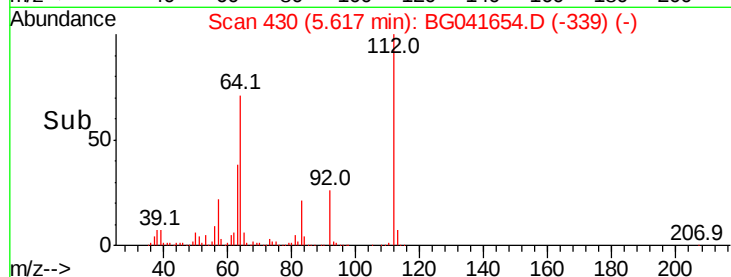
63 37.9 29.1 43.7



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: 108.687 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

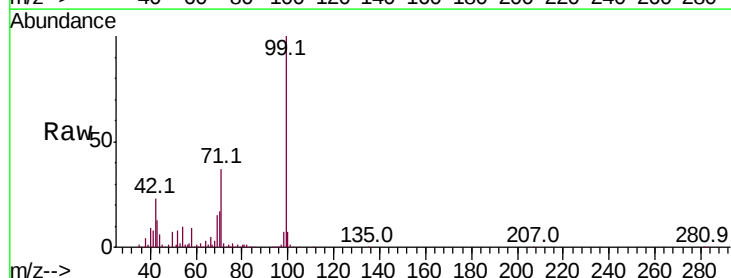
Tgt Ion: 99 Resp: 907090

Ion Ratio Lower Upper

99 100

42 22.7 17.6 26.4

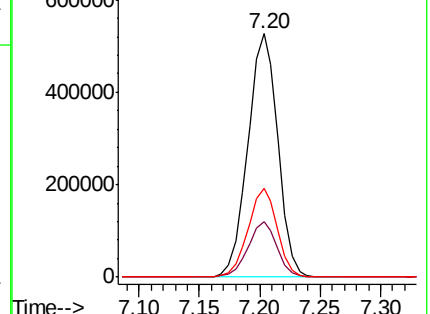
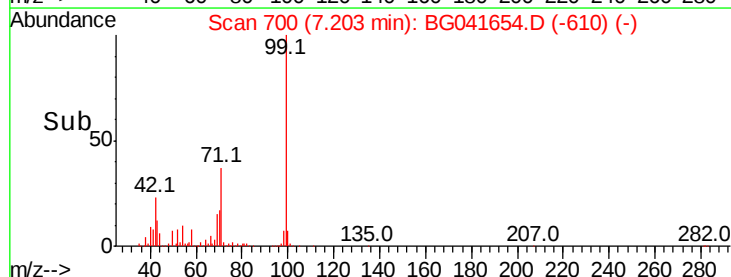
71 36.6 27.8 41.6

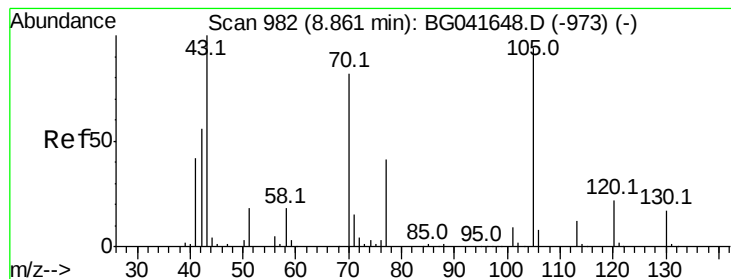


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 15.223 ng

RT: 9.21 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

Tot Ion: 70 Resp: 92862

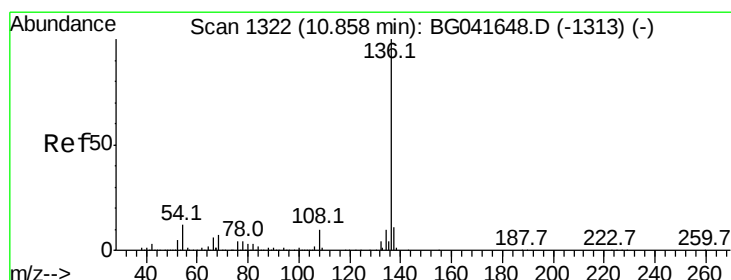
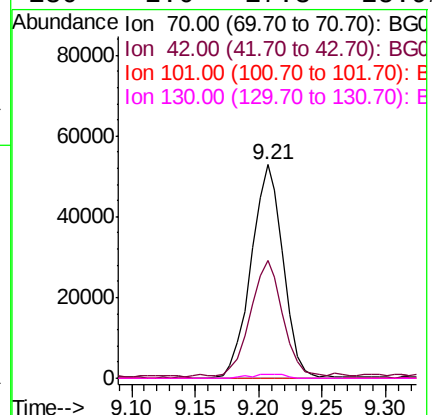
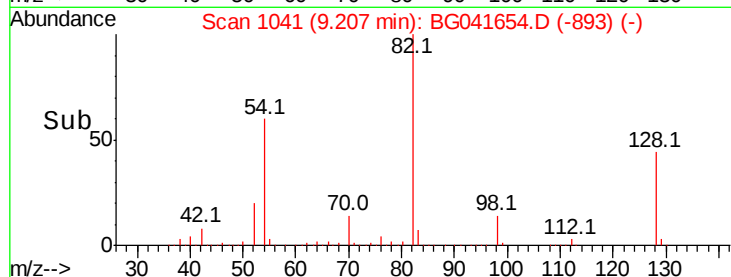
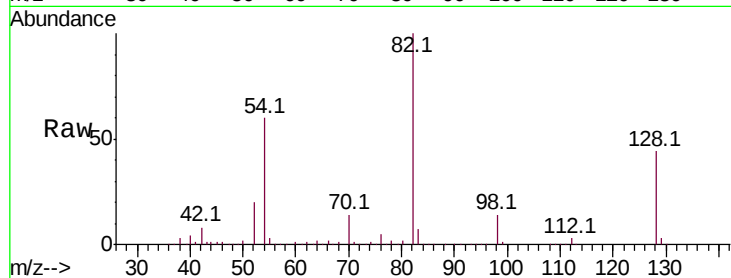
Ion Ratio Lower Upper

70 100

42 55.4 55.8 83.6#

101 0.0 8.1 12.1#

130 2.0 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: BG041654.D

Acq: 15 Jul 2019 18:16

Tgt Ion: 136 Resp: 406254

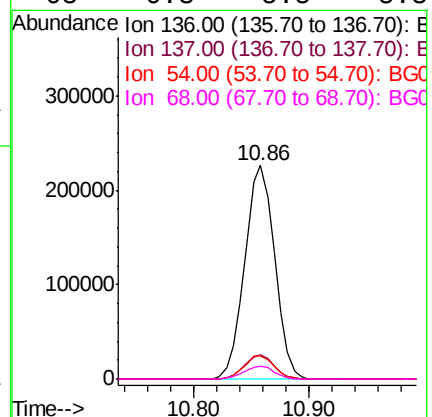
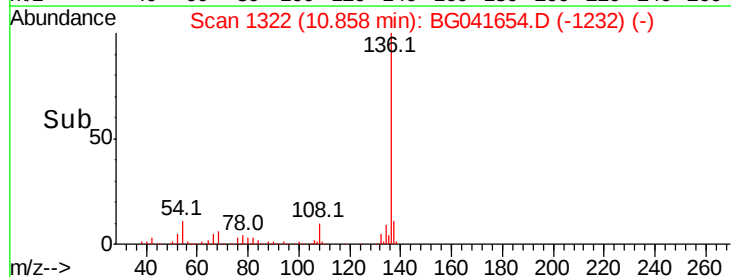
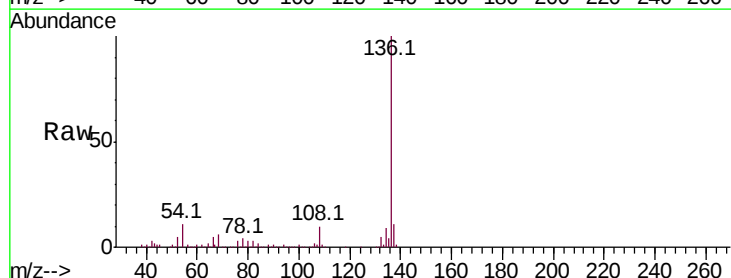
Ion Ratio Lower Upper

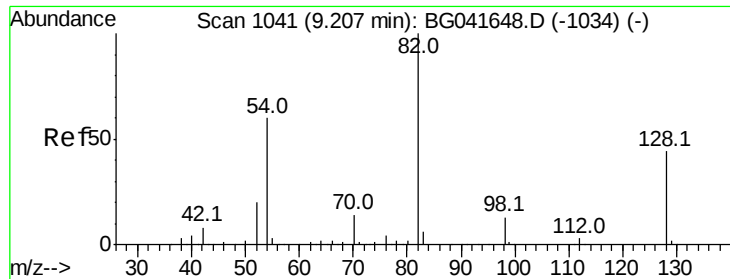
136 100

137 11.1 9.2 13.8

54 10.9 8.7 13.1

68 6.3 5.5 8.3

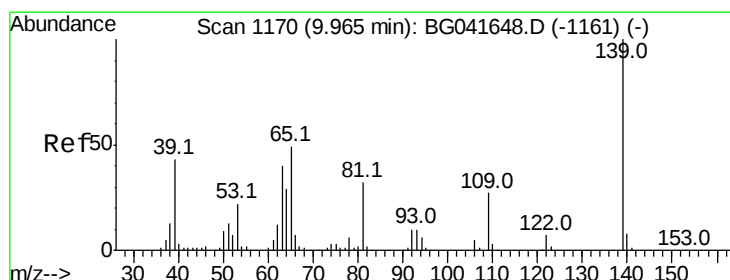
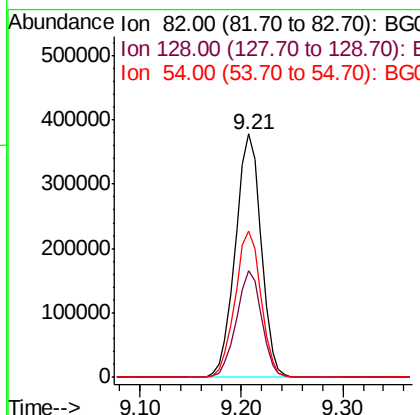
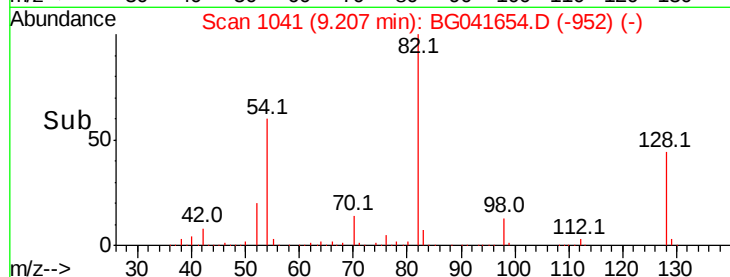
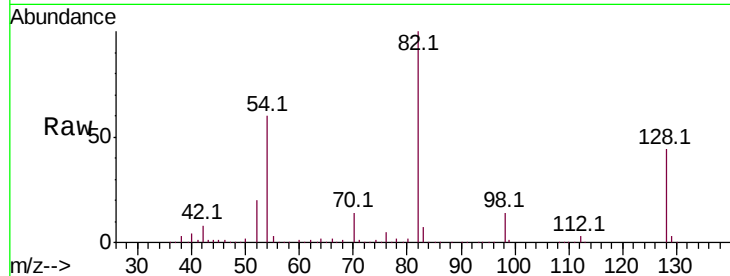




#23
Nitrobenzene-d5
Concen: 99.646 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

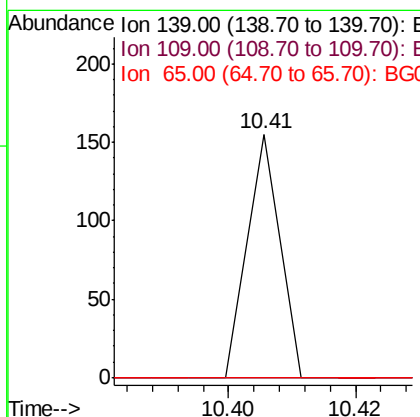
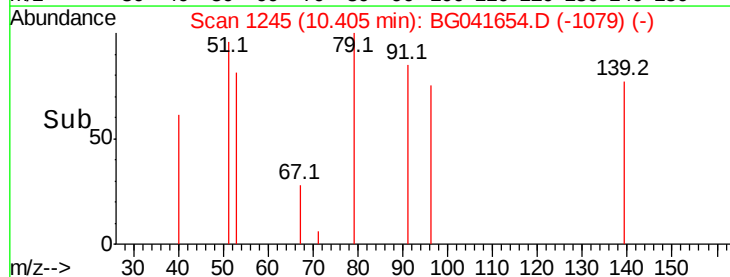
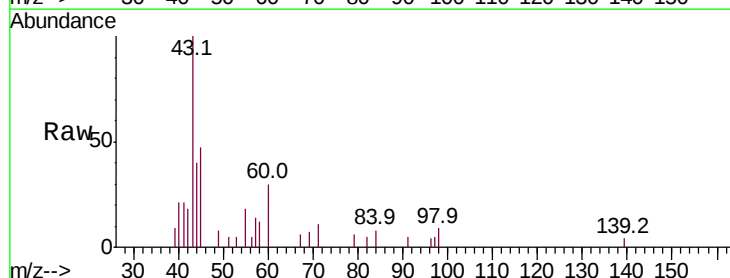
Instrument :
BNA_G
ClientSampleId :
SU-04-071119-B

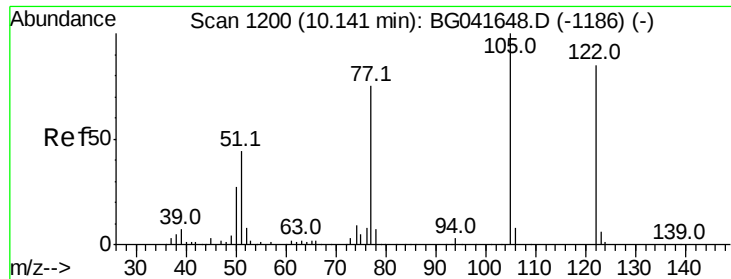
Tot Ion: 82 Resp: 665653
Ion Ratio Lower Upper
82 100
128 44.0 35.1 52.7
54 60.1 48.7 73.1



#26
2-Nitrophenol
Concen: 4.668 ng
RT: 10.41 min Scan# 1245
Delta R.T. 0.44 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Tgt Ion: 139 Resp: 55
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 41.1 61.7#

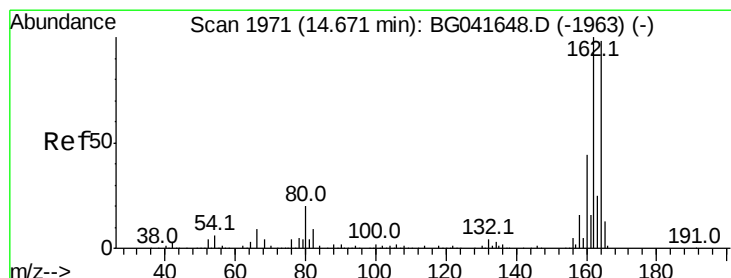
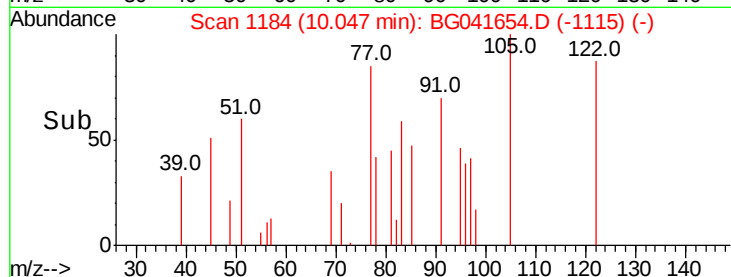
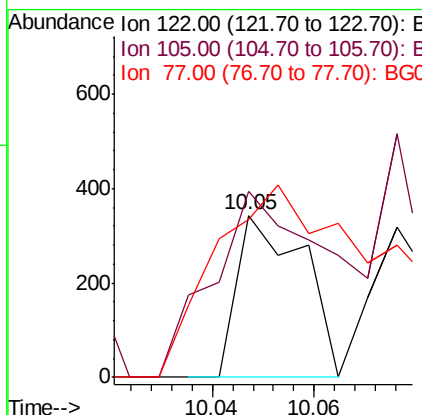
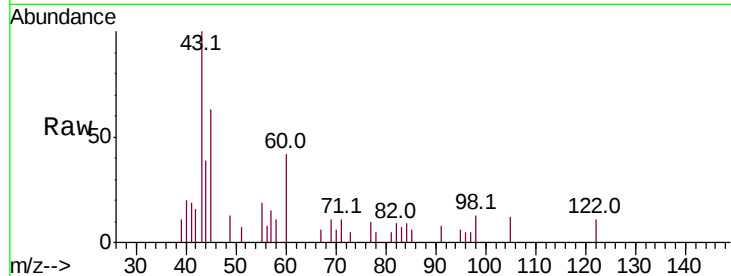




#32
Benzoic acid
Concen: 6.074 ng
RT: 10.05 min Scan# 1184
Delta R.T. -0.12 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

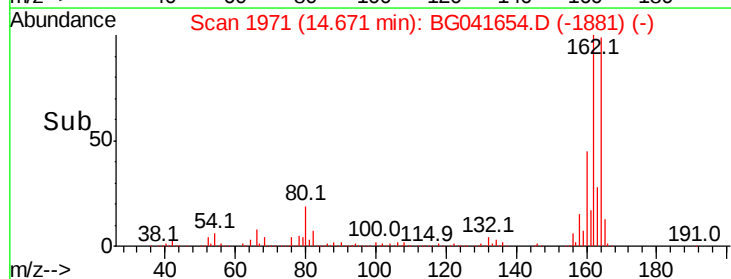
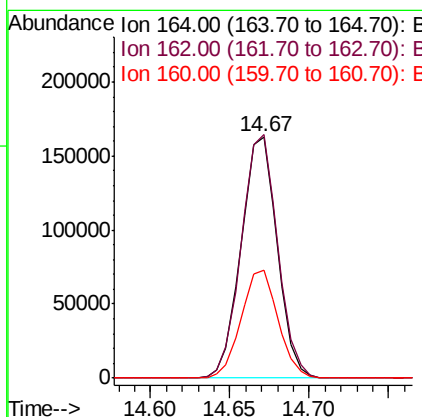
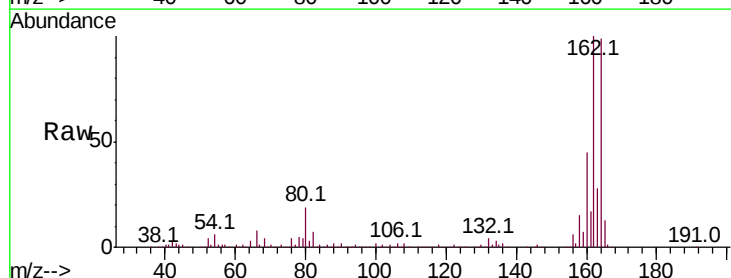
Instrument :
BNA_G
ClientSampleId :
SU-04-071119-B

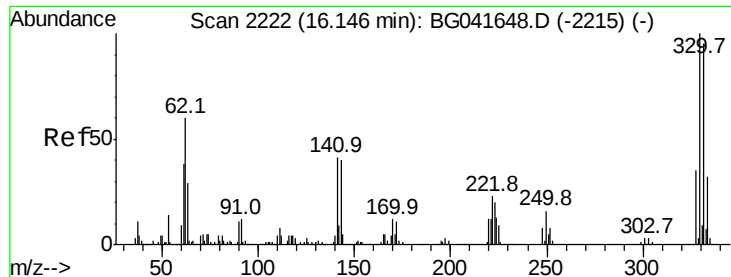
Tot Ion:122 Resp: 312
Ion Ratio Lower Upper
122 100
105 114.8 101.5 141.5
77 97.4 73.0 113.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Tgt Ion:164 Resp: 257488
Ion Ratio Lower Upper
164 100
162 101.0 79.6 119.4
160 45.0 35.4 53.0

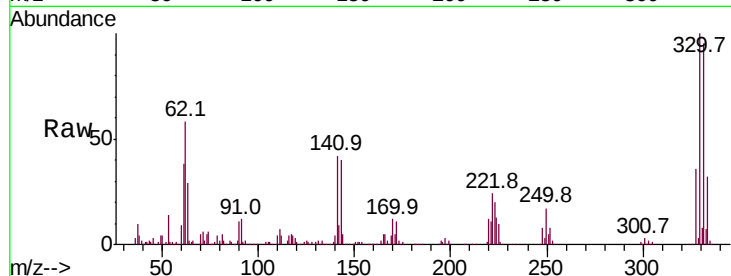




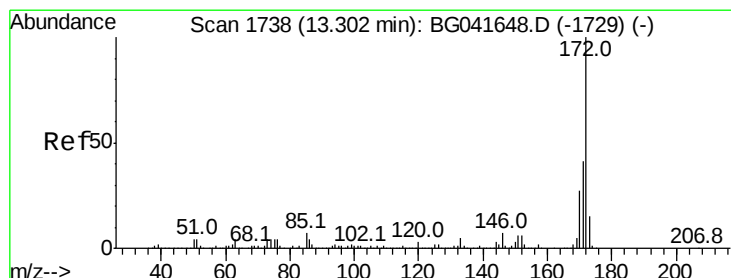
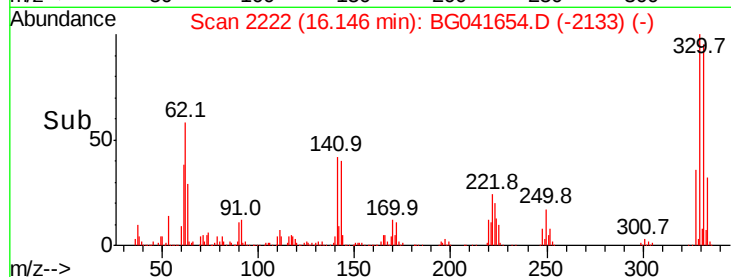
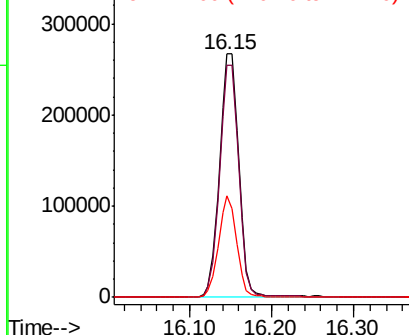
#42
 2,4,6-Tribromophenol
 Concen: 152.023 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-071119-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.0
141	39.1	31.9	47.9

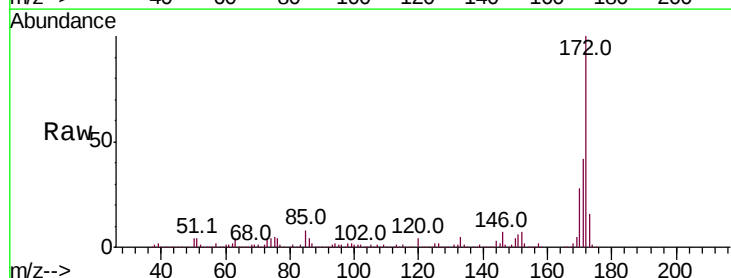


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

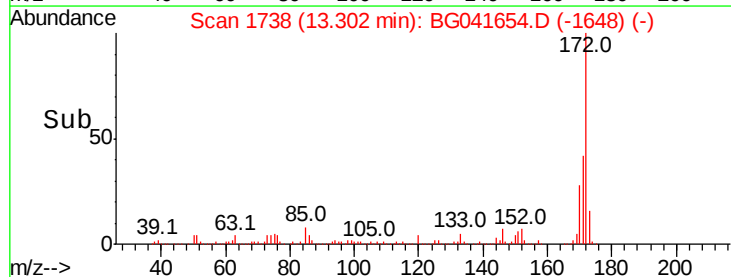
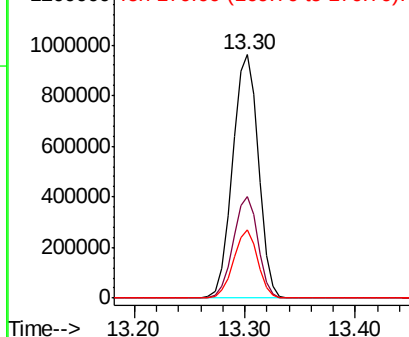


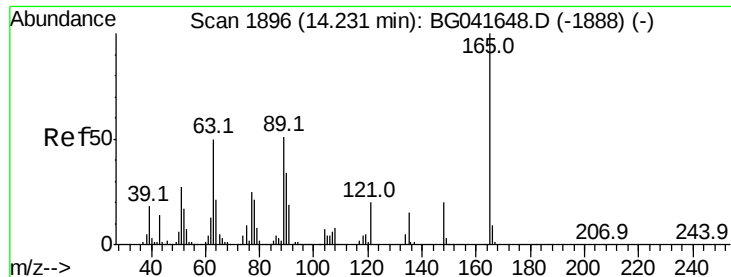
#45
 2-Fluorobiphenyl
 Concen: 94.775 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BG041654.D
 Acq: 15 Jul 2019 18:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.5	35.0	52.4
170	28.2	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





#51

2,6-Dinitrotoluene

Concen: 7.918 ng

RT: 14.67 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

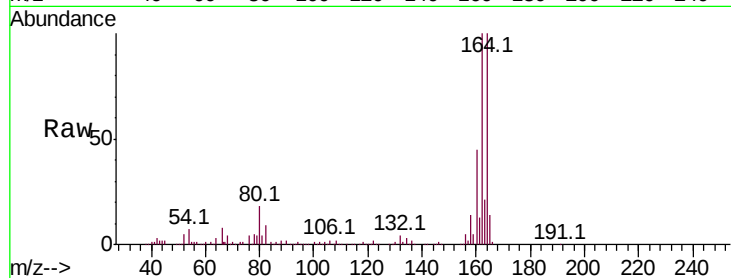
Tot Ion:165 Resp: 33963

Ion Ratio Lower Upper

165 100

63 1.6 42.4 63.6#

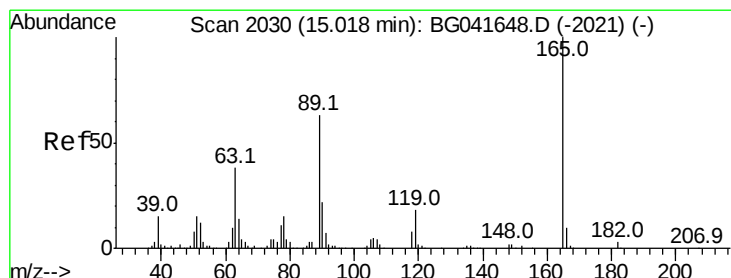
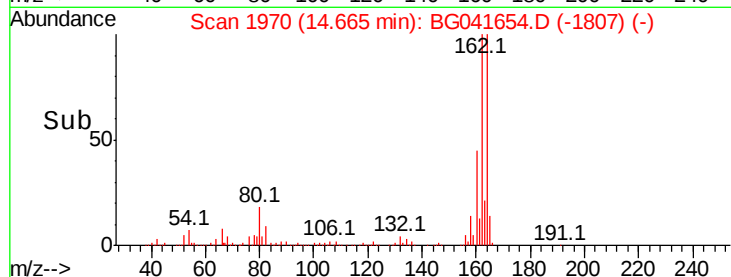
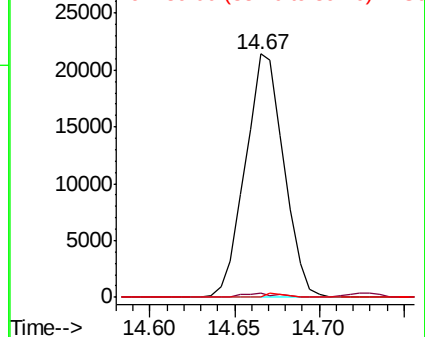
89 0.0 42.1 63.1#



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: 5.990 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Tgt Ion:165 Resp: 33963

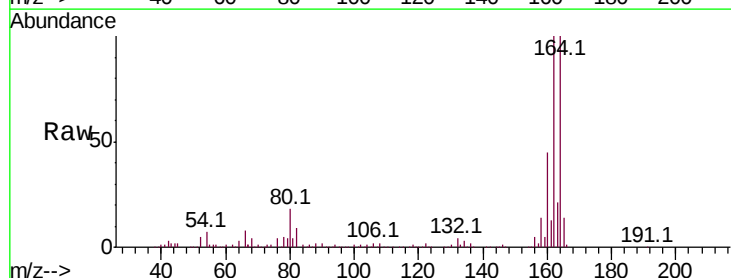
Ion Ratio Lower Upper

165 100

63 1.6 31.7 47.5#

89 0.0 50.2 75.4#

182 0.0 2.6 4.0#

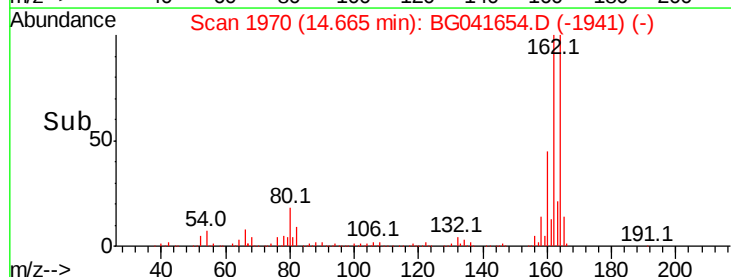
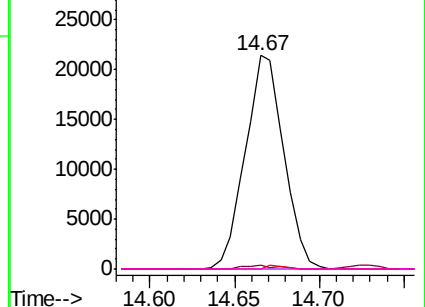


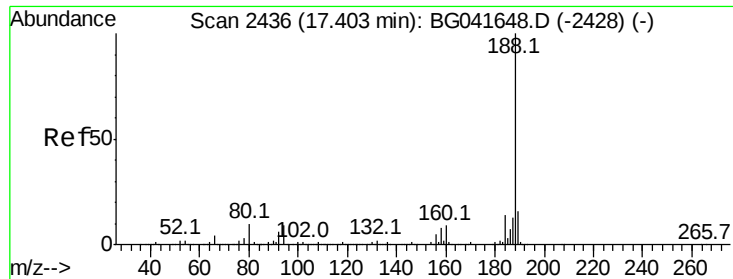
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

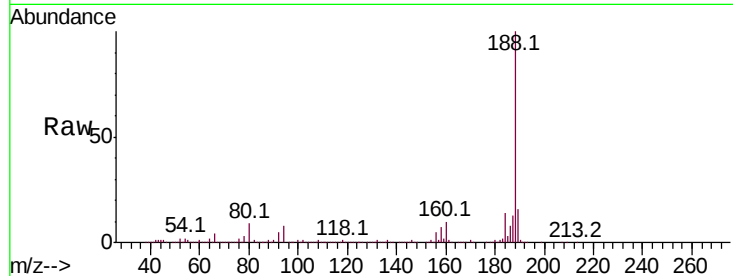
Tot Ion:188 Resp: 615745

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

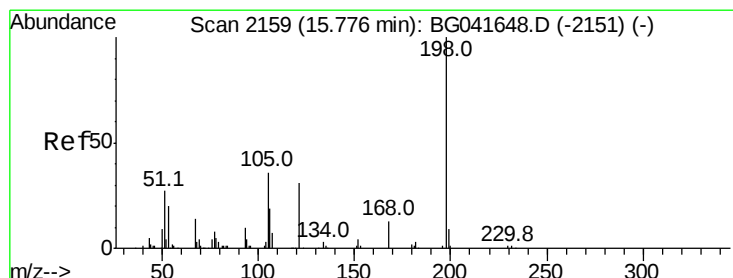
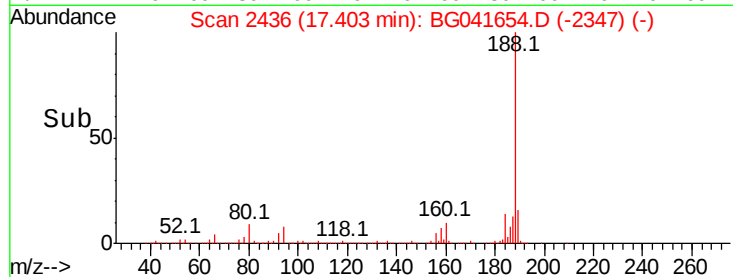
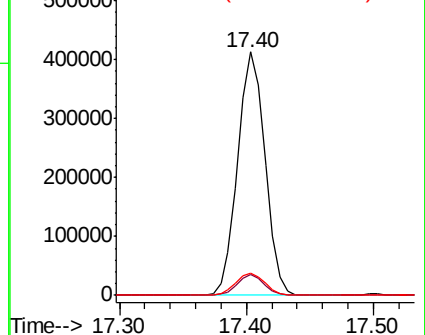
80 9.3 8.0 12.0



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: 7.102 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.37 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

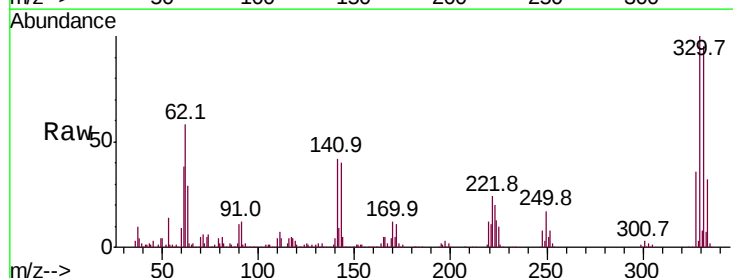
Tgt Ion:198 Resp: 1454

Ion Ratio Lower Upper

198 100

51 127.1 22.3 62.3#

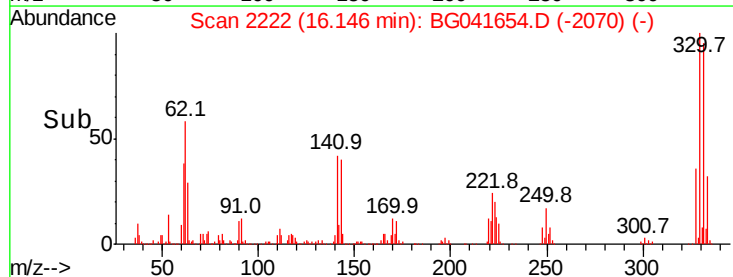
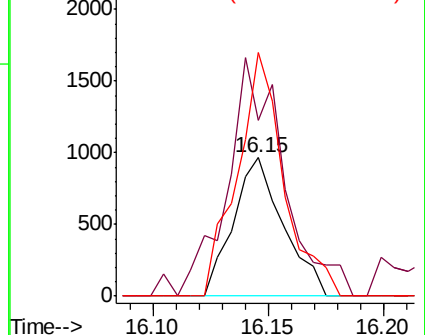
105 175.9 18.0 58.0#

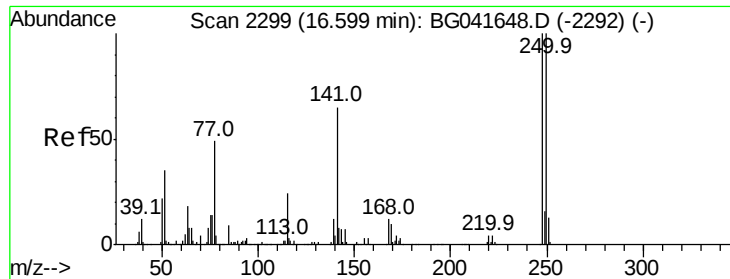


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

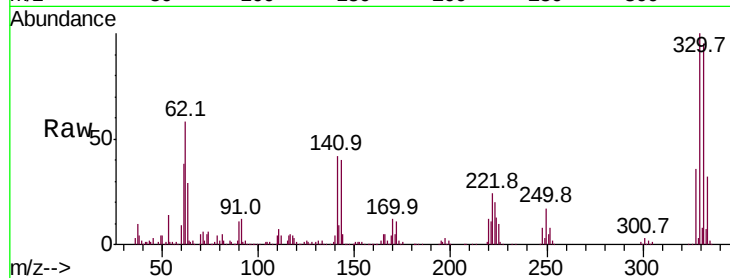




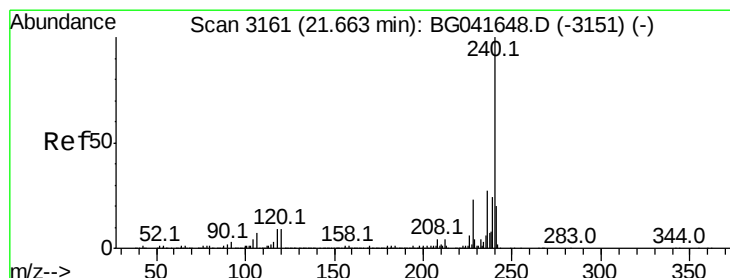
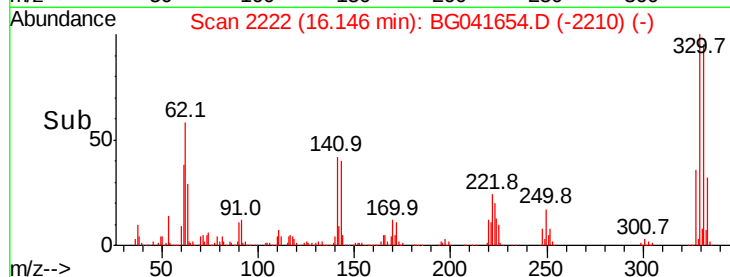
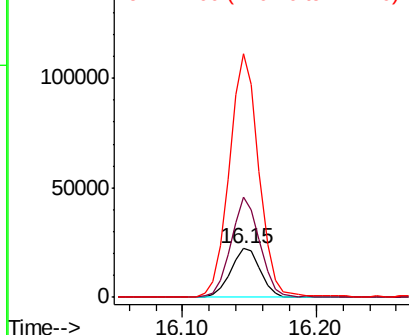
#67
4-Bromophenyl-phenylether
Concen: 4.727 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Instrument :
BNA_G
ClientSampleId :
SU-04-071119-B

Tot Ion:248 Resp: 34631
Ion Ratio Lower Upper
248 100
250 207.0 78.1 117.1#
141 499.8 49.6 74.4#

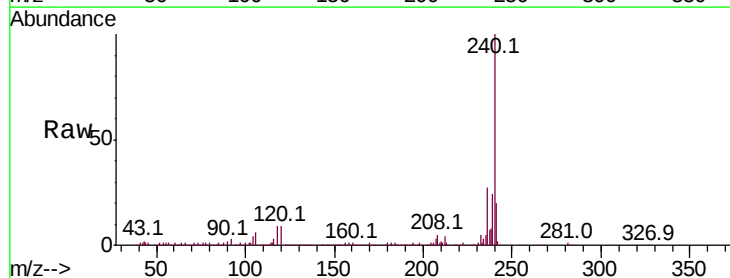


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

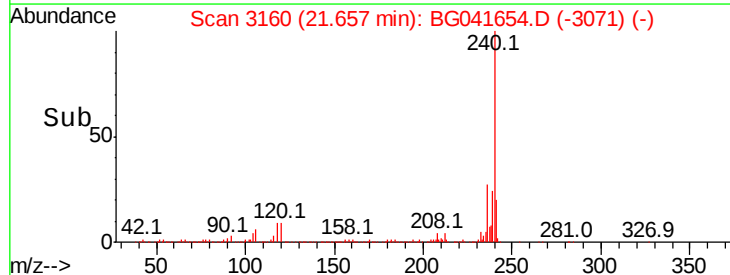
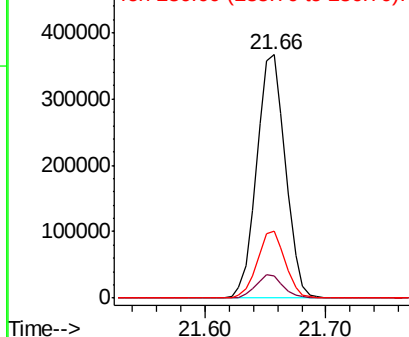


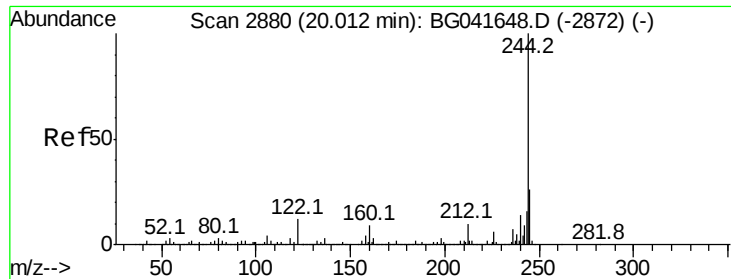
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.66 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG041654.D
Acq: 15 Jul 2019 18:16

Tgt Ion:240 Resp: 604138
Ion Ratio Lower Upper
240 100
120 9.2 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: 91.557 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG041654.D

Acq: 15 Jul 2019 18:16

Instrument :

BNA_G

ClientSampleId :

SU-04-071119-B

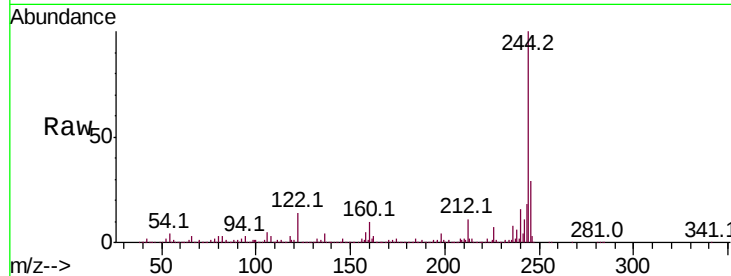
Tot Ion:244 Resp: 2366957

Ion	Ratio	Lower	Upper
244	100		
212	11.1	9.7	14.5
122	13.5	12.5	18.7

244 100

212 11.1 9.7 14.5

122 13.5 12.5 18.7

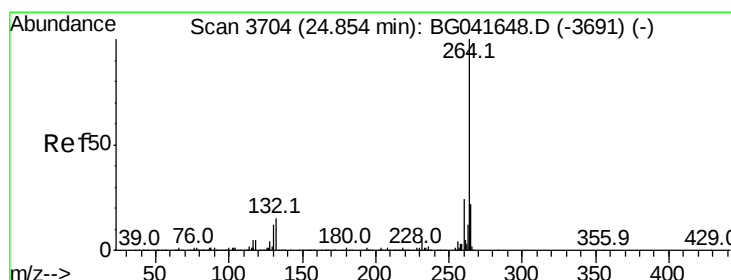
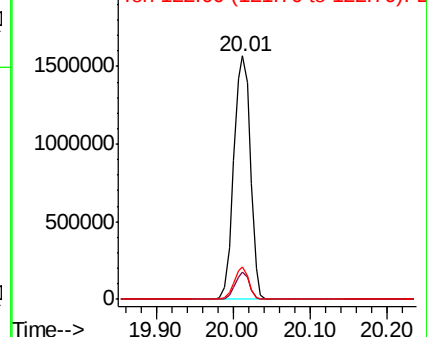
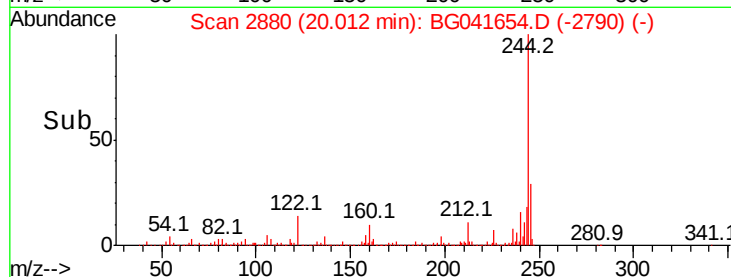


Abundance

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: BG041654.D

Acq: 15 Jul 2019 18:16

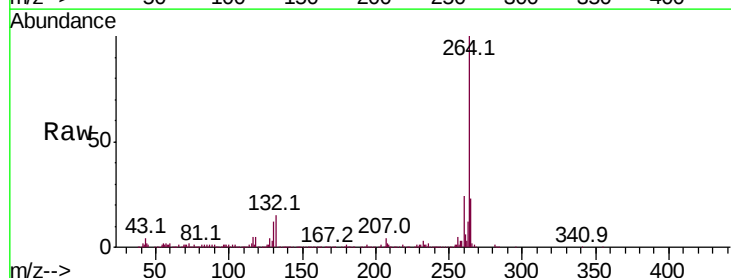
Tgt Ion:264 Resp: 668870

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.9	18.0	27.0

264 100

260 24.1 19.5 29.3

265 22.9 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

