

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071719\
 Data File : BG041693.D
 Acq On : 17 Jul 2019 18:25
 Operator : HP/JU
 Sample : K3835-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 18 07:10:25 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	102420	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	405163	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	239871	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	584968	20.00	ng	0.00
76) Chrysene-d12	21.65	240	634534	20.00	ng	-0.01
87) Perylene-d12	24.84	264	686797	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	772605	123.32	ng	0.00
7) Phenol-d6	7.20	99	1052109	124.85	ng	0.00
23) Nitrobenzene-d5	9.20	82	629572	94.50	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	438415	162.18	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	1366478	88.21	ng	0.00
79) Terphenyl-d14	20.01	244	2194770	80.83	ng	0.00

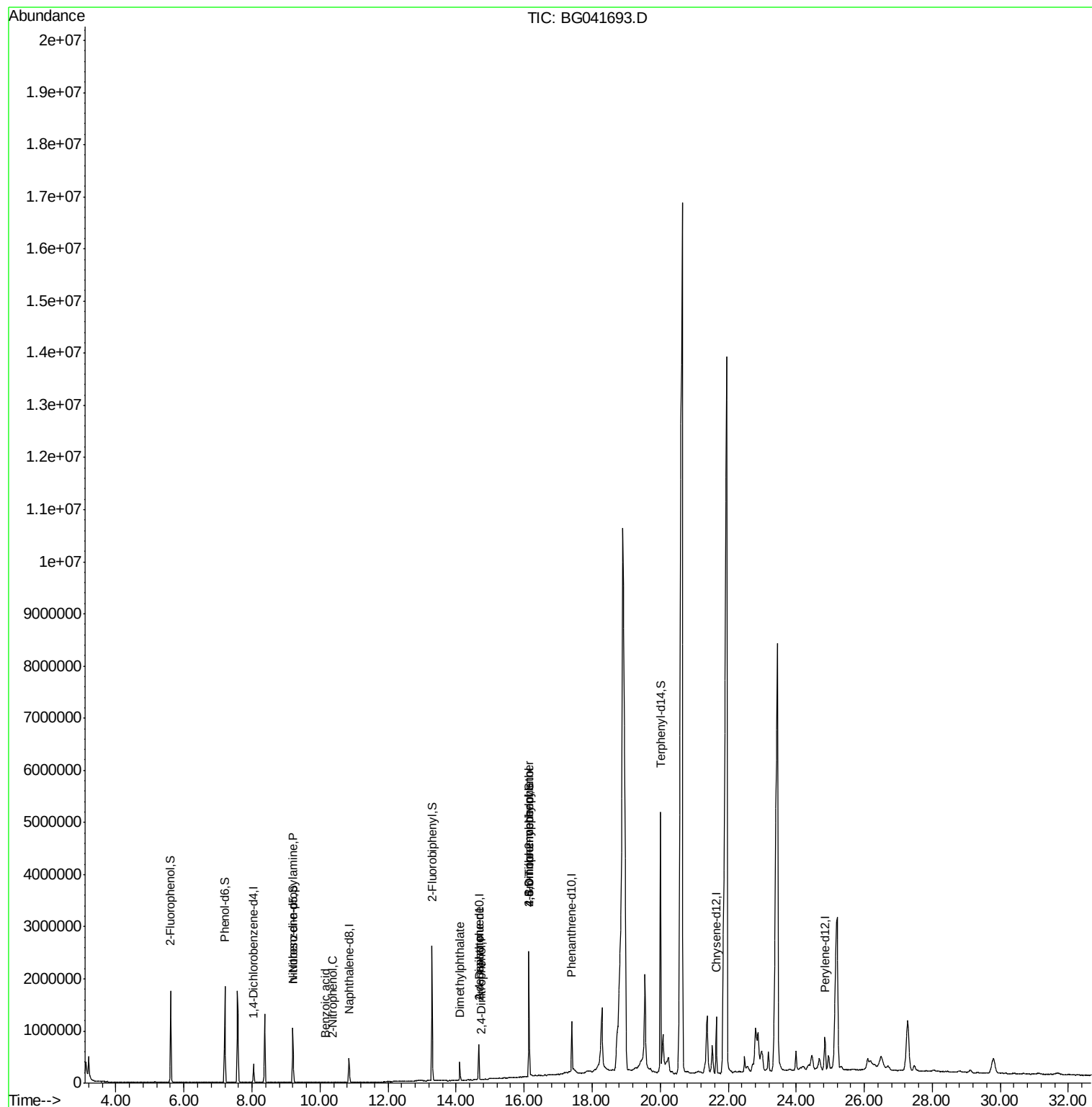
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	2184	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.20	70	87751	14.247	ng	# 74
26) 2-Nitrophenol	10.37	139	73	4.673	ng	# 34
32) Benzoic acid	10.17	122	157	6.043	ng	# 15
50) Dimethylphthalate	14.11	163	242072	12.849	ng	# 97
54) 2,4-Dinitrophenol	14.73	184	54	7.753	ng	# 21
57) 2,4-Dinitrotoluene	14.66	165	32867	6.222	ng	# 30
65) 4,6-Dinitro-2-methylphenol	16.14	198	1393	7.106	ng	# 1
67) 4-Bromophenyl-phenylether	16.14	248	34081	4.896	ng	# 1

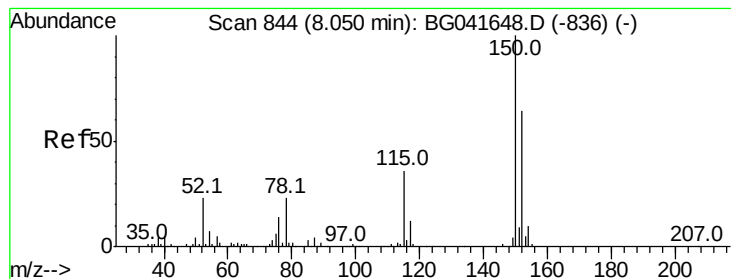
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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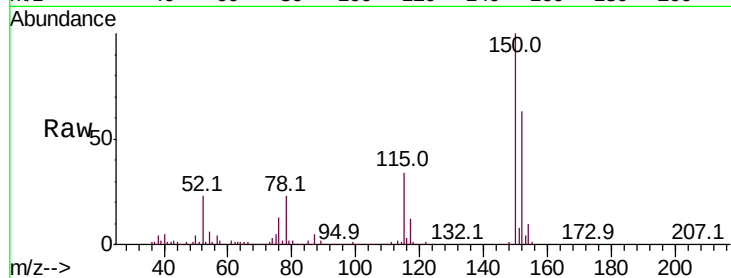


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.9	190.3
115	54.1	45.0	67.6

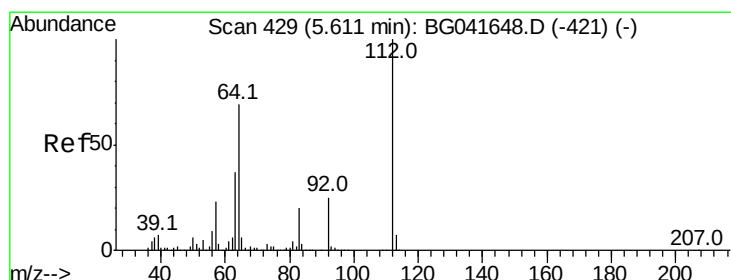
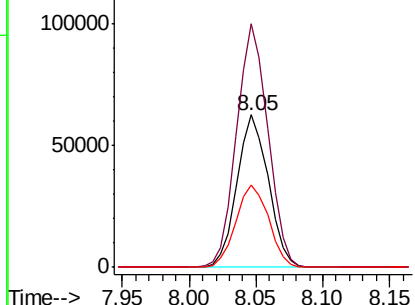
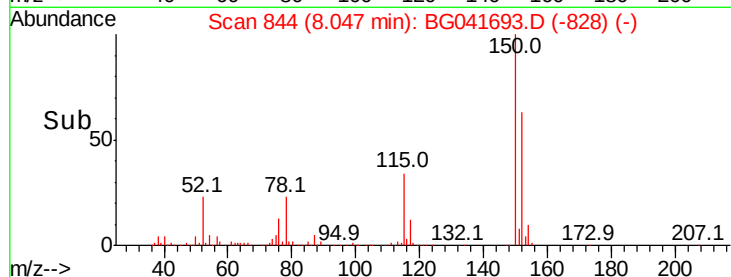


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

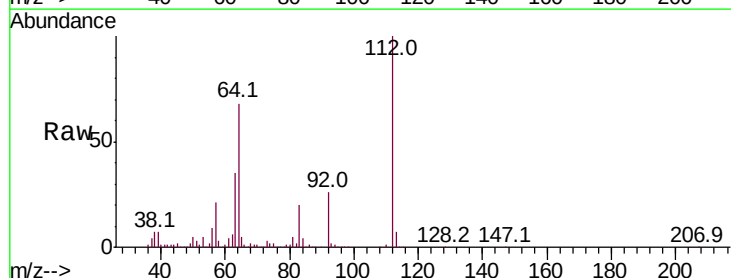
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.317 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.4	83.2
63	34.9	29.1	43.7

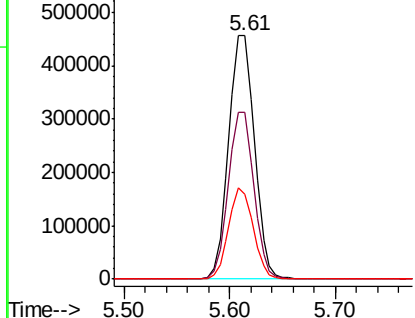
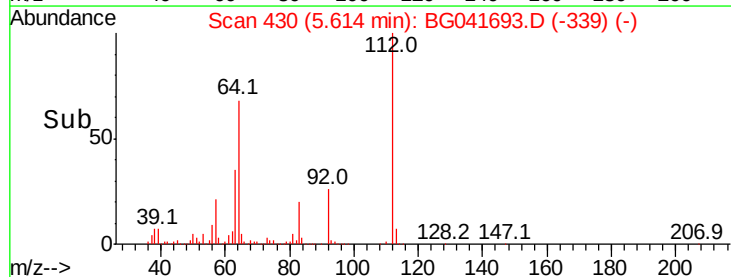


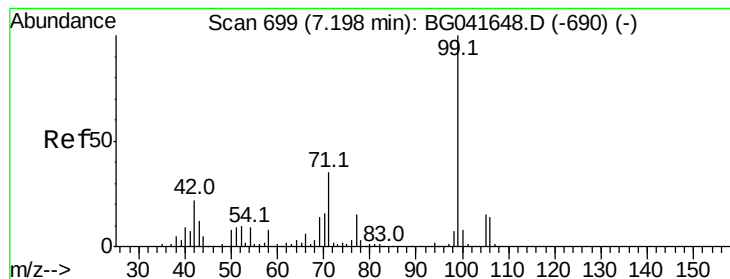
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 124.851 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

Instrument :

BNA_G

ClientSampleId :

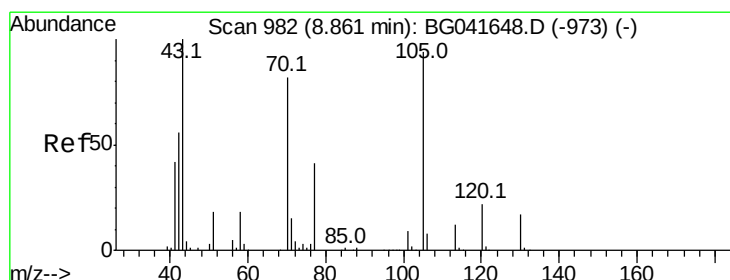
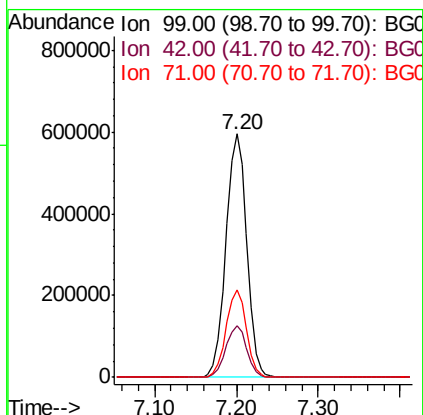
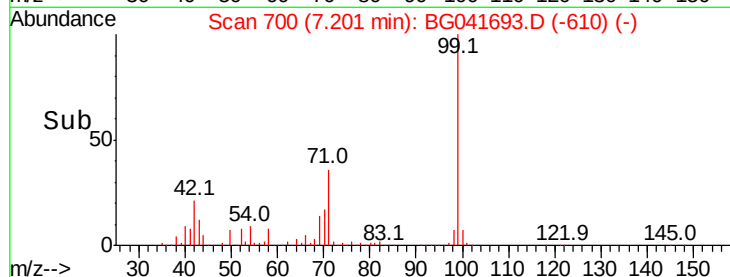
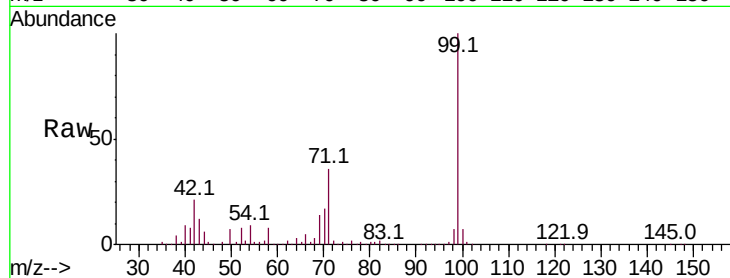
Tot Ion: 99 Resp: 1052109

Ion Ratio Lower Upper

99 100

42 21.4 17.6 26.4

71 35.8 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 14.247 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

Tgt Ion: 70 Resp: 87751

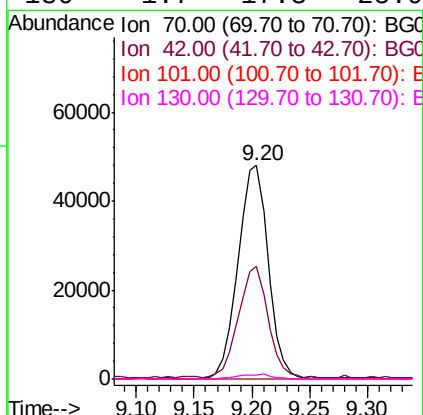
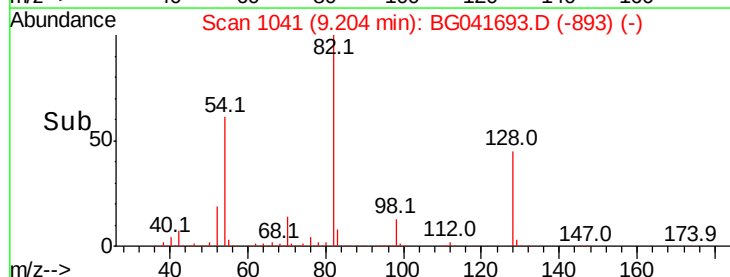
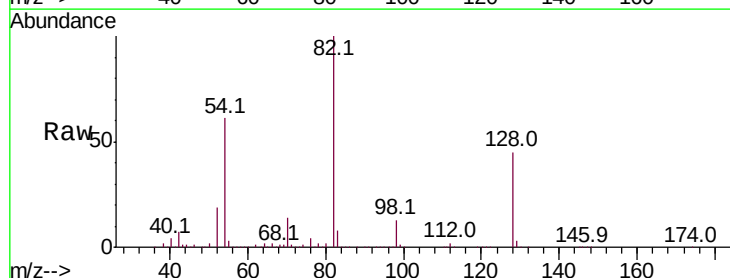
Ion Ratio Lower Upper

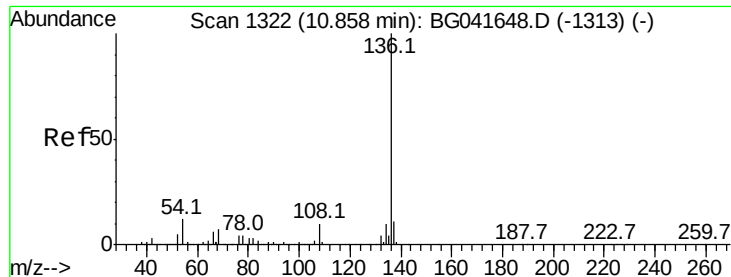
70 100

42 53.0 55.8 83.6#

101 0.0 8.1 12.1#

130 1.7 17.3 25.9#

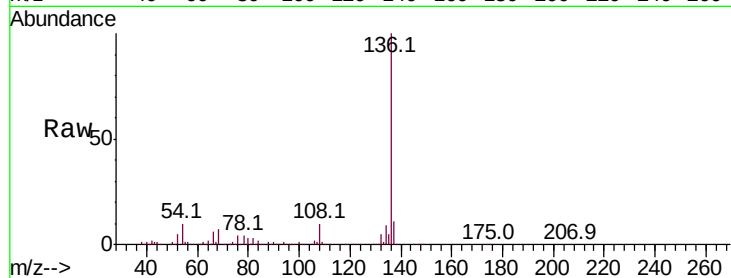




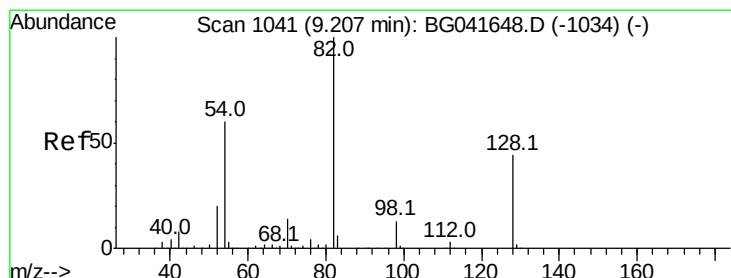
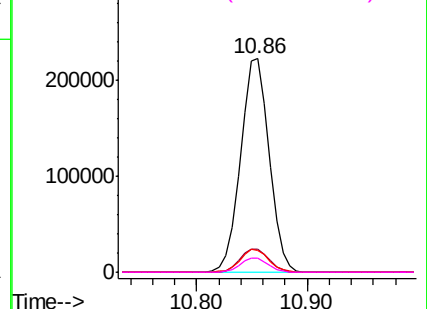
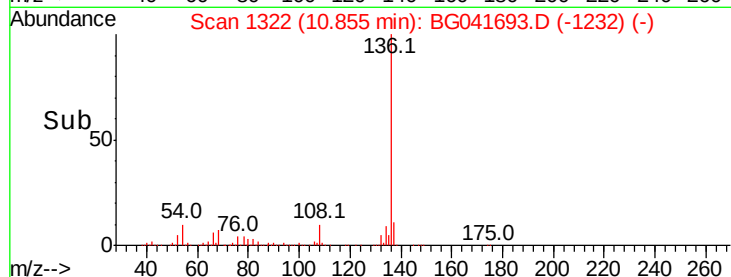
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	405163
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.0	8.7	13.1
68	6.7	5.5	8.3

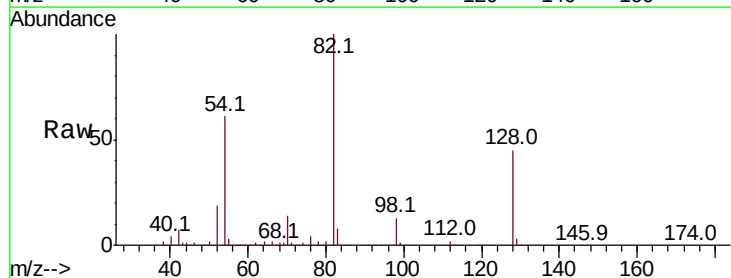


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

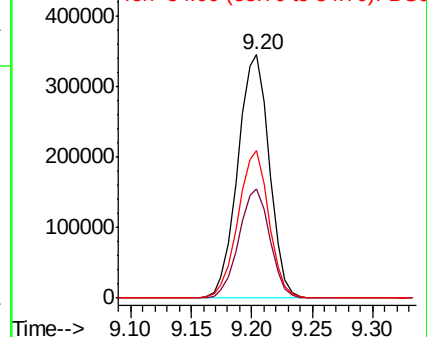
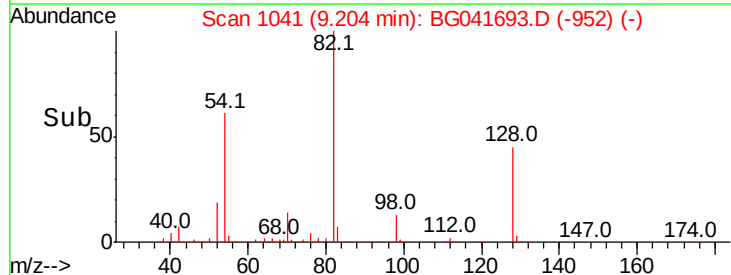


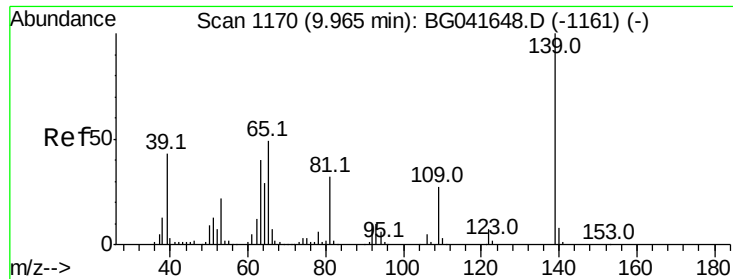
#23
Nitrobenzene-d5
Concen: 94.499 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Tgt Ion:	82	Resp:	629572
Ion	Ratio	Lower	Upper
82	100		
128	44.7	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

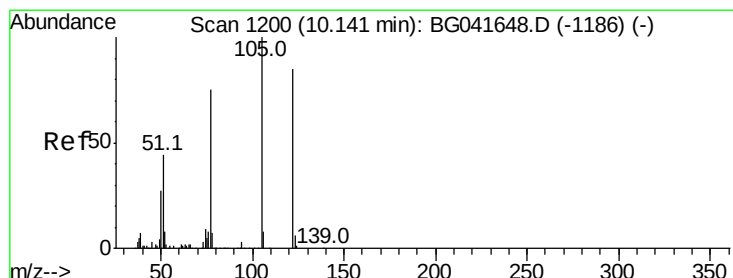
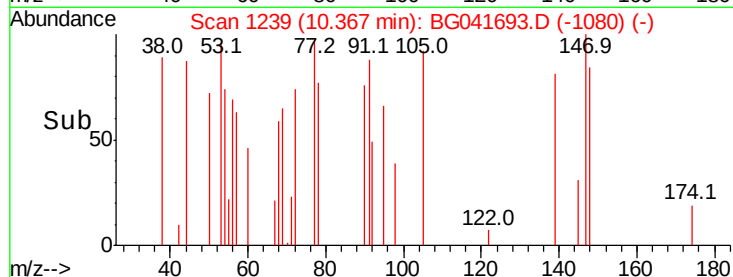
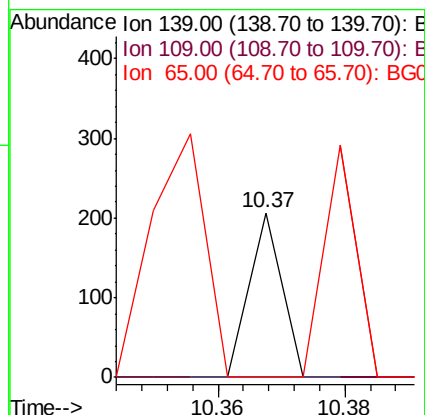
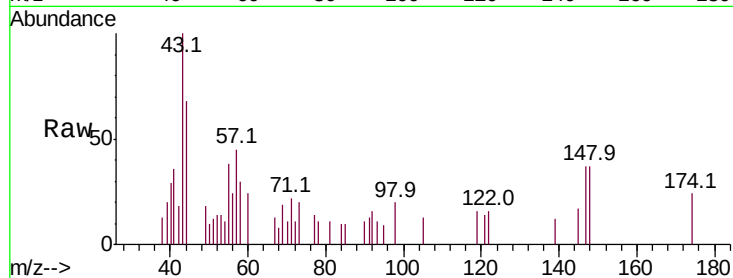




#26
2-Nitrophenol
Concen: 4.673 ng
RT: 10.37 min Scan# 1239
Delta R.T. 0.40 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

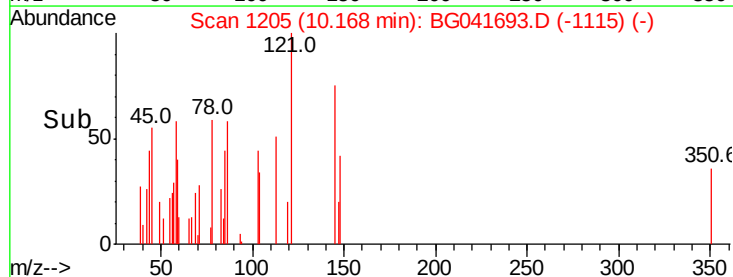
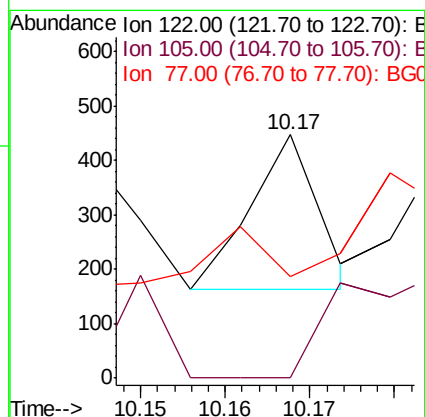
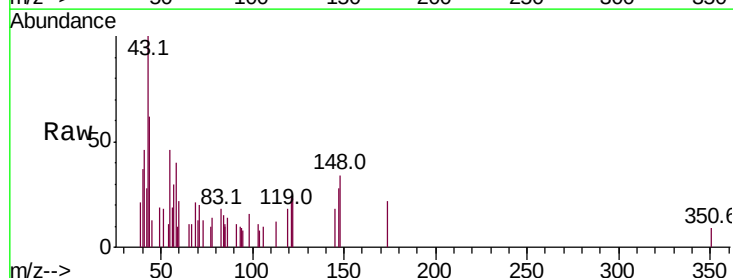
Instrument :
BNA_G
ClientSampled :

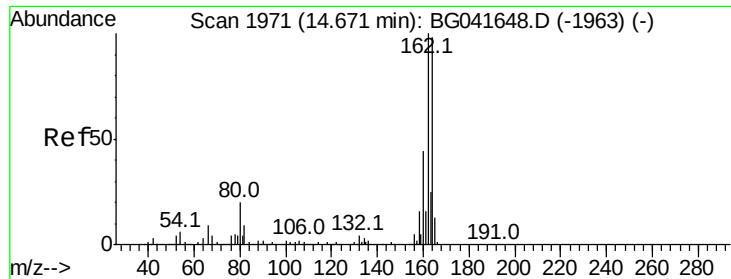
Tot Ion:139 Resp: 73
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 41.1 61.7#



#32
Benzoic acid
Concen: 6.043 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Tgt Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 0.0 101.5 141.5#
77 41.6 73.0 113.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

Instrument :

BNA_G

ClientSampleId :

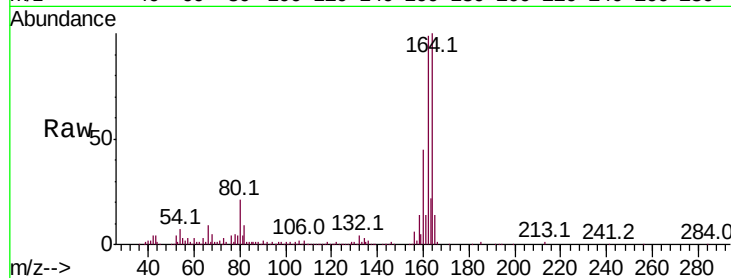
Tot Ion:164 Resp: 239871

Ion Ratio Lower Upper

164 100

162 98.6 79.6 119.4

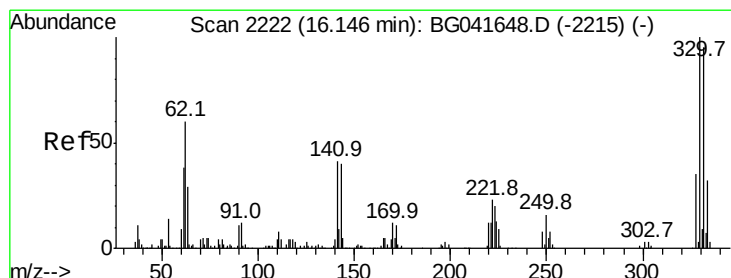
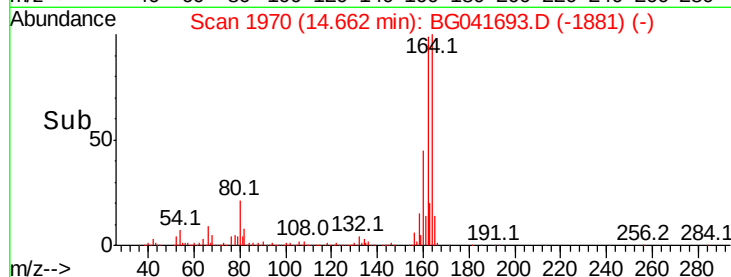
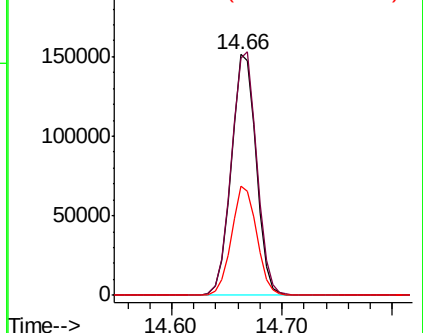
160 45.3 35.4 53.0



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: 162.177 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

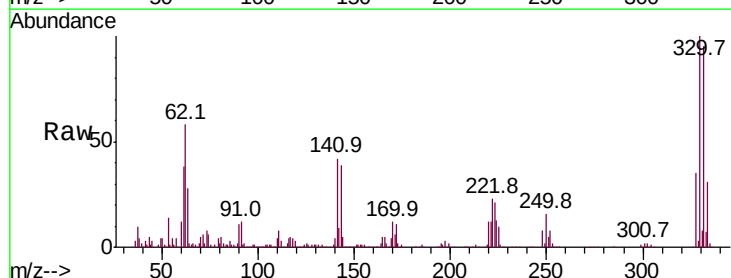
Tgt Ion:330 Resp: 438415

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.0

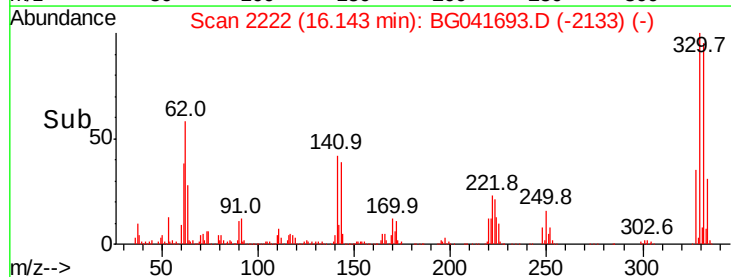
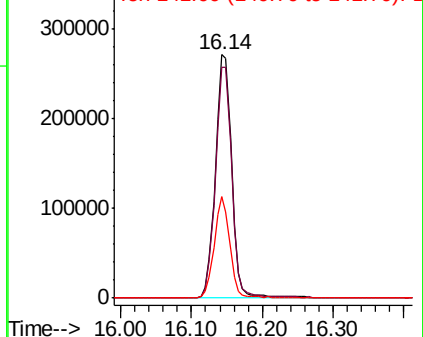
141 39.5 31.9 47.9

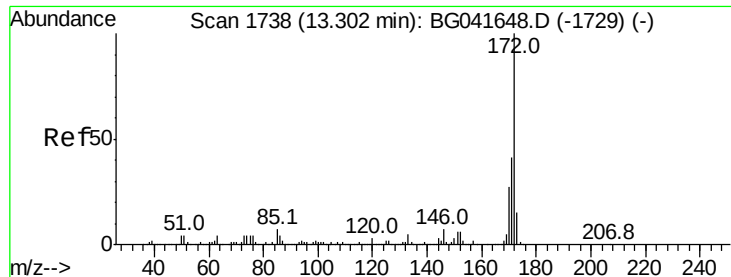


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

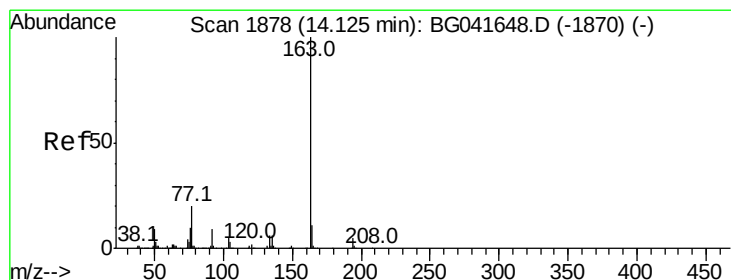
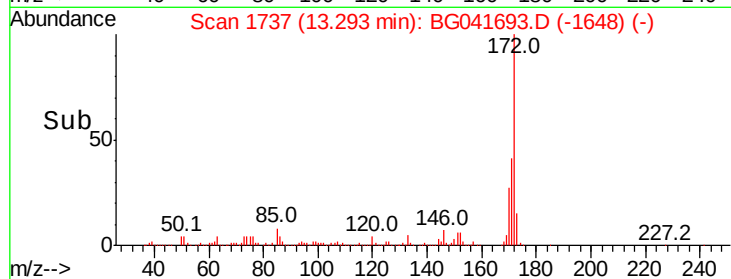
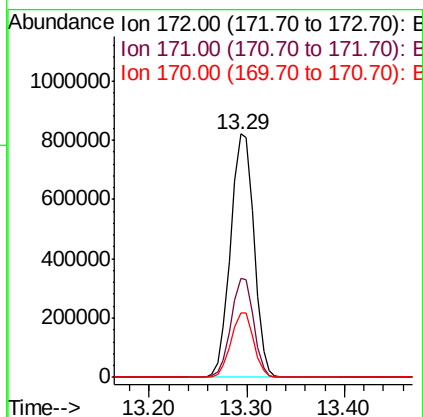
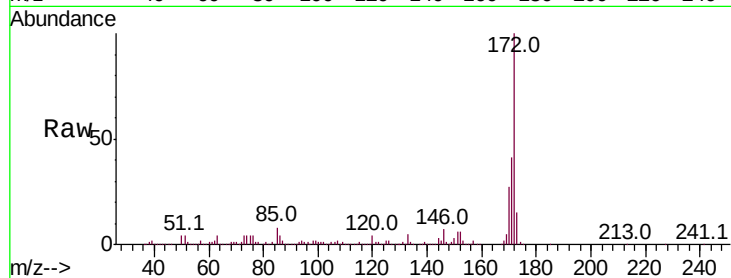




#45
2-Fluorobiphenyl
Concen: 88.214 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

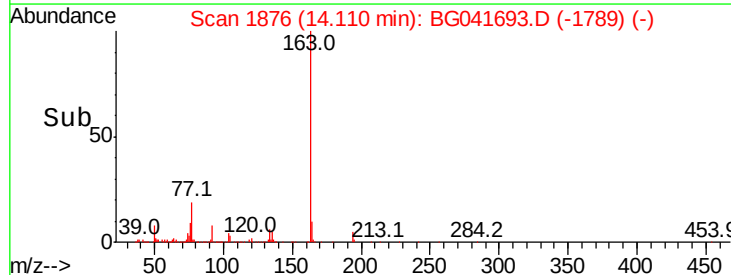
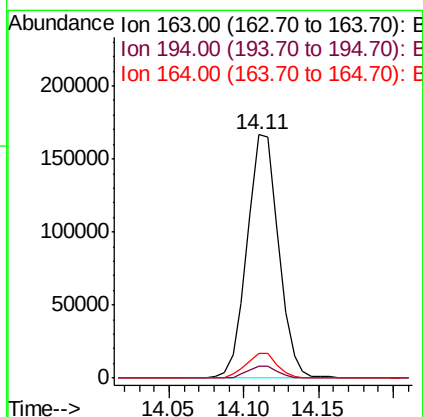
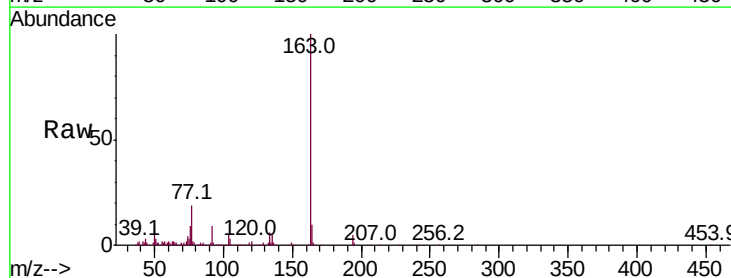
Instrument :
BNA_G
ClientSampleId :

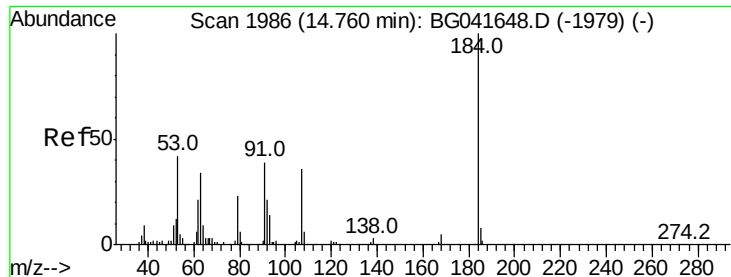
Tot Ion:172 Resp: 1366478
Ion Ratio Lower Upper
172 100
171 40.6 35.0 52.4
170 26.5 23.5 35.3



#50
Dimethylphthalate
Concen: 12.849 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Tgt Ion:163 Resp: 242072
Ion Ratio Lower Upper
163 100
194 4.9 4.2 6.2
164 10.3 9.4 14.2

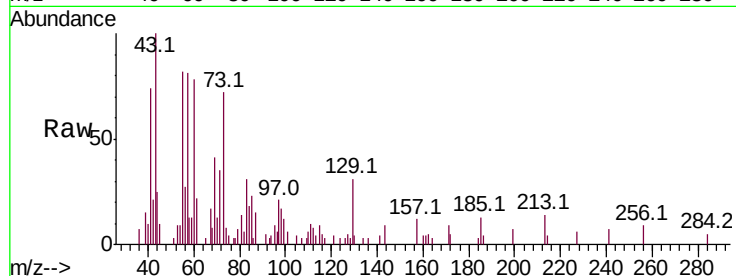




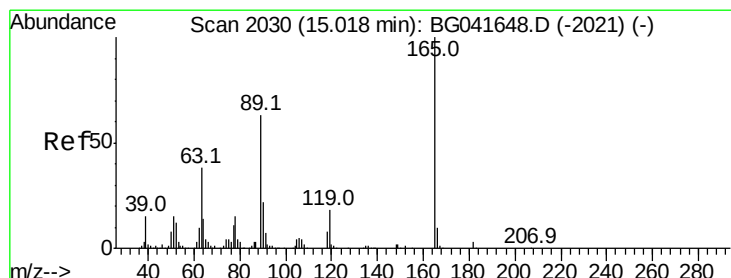
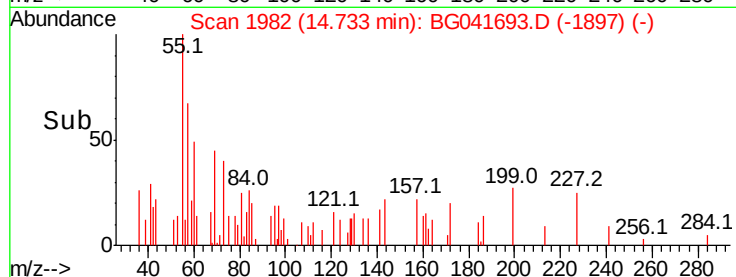
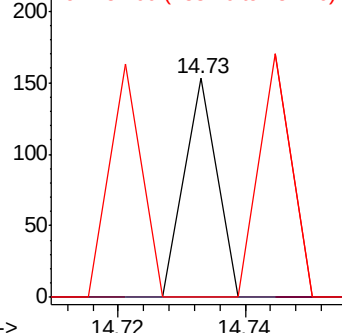
#54
2,4-Dinitrophenol
Concen: 7.753 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 43.2 64.8#
154 0.0 51.4 77.2#

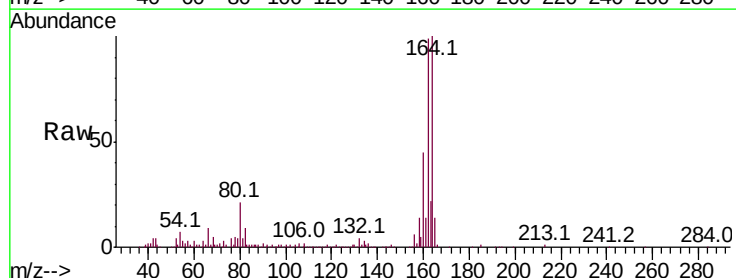


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

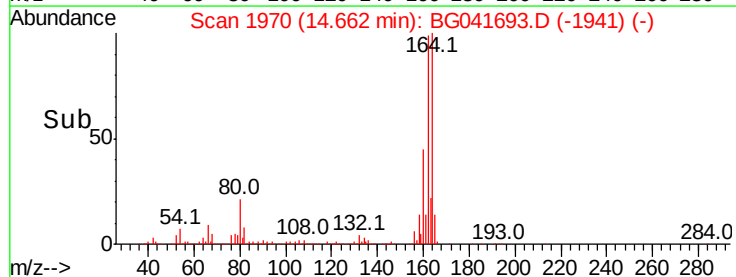
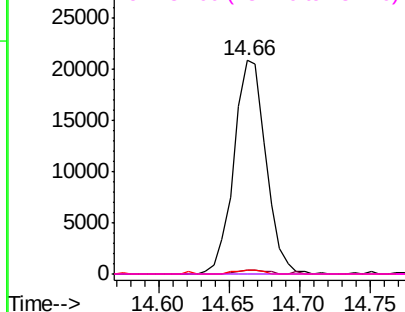


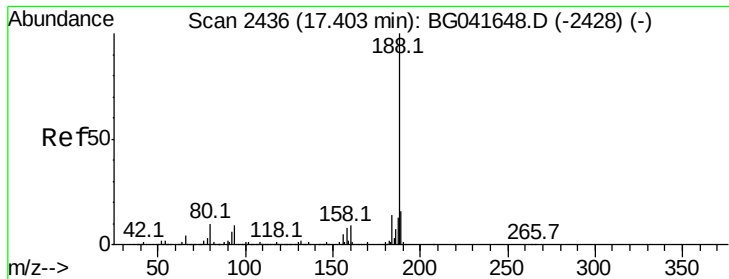
#57
2,4-Dinitrotoluene
Concen: 6.222 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Tgt Ion:165 Resp: 32867
Ion Ratio Lower Upper
165 100
63 1.7 31.7 47.5#
89 1.7 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): BG
Ion 89.00 (88.70 to 89.70): BG
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: BG041693.D

Acq: 17 Jul 2019 18:25

Instrument :

BNA_G

ClientSampled :

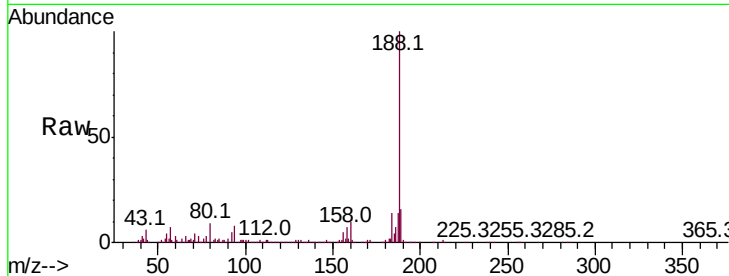
Tot Ion:188 Resp: 584968

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

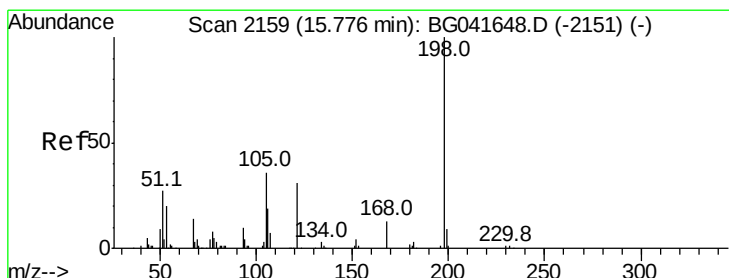
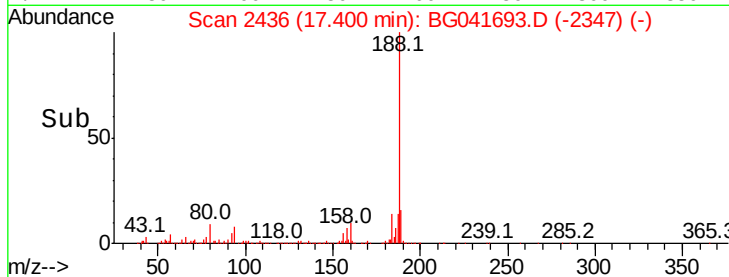
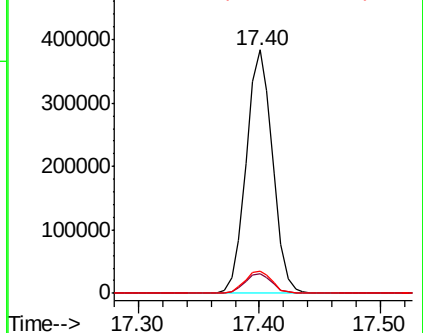
80 9.1 8.0 12.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.106 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.36 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

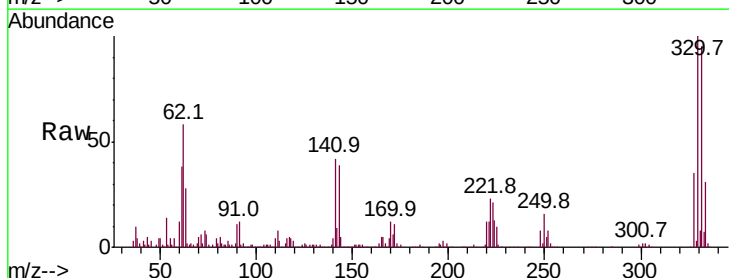
Tgt Ion:198 Resp: 1393

Ion Ratio Lower Upper

198 100

51 135.7 22.3 62.3#

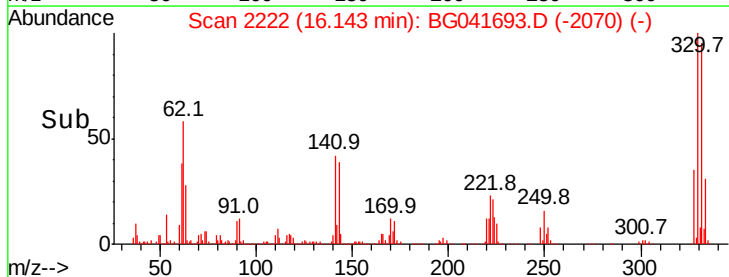
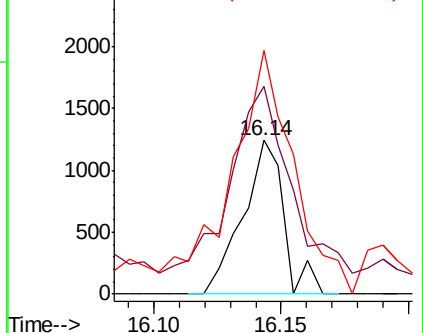
105 158.6 18.0 58.0#

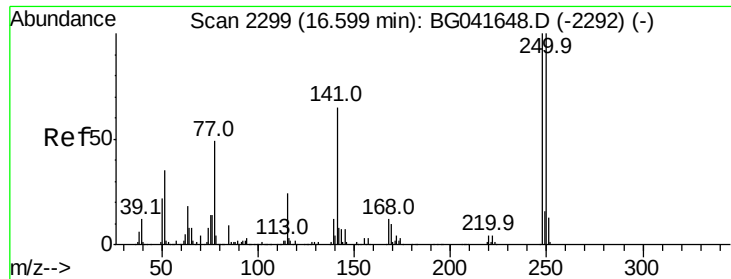


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

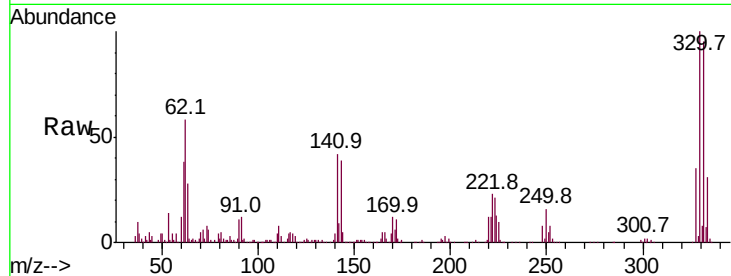




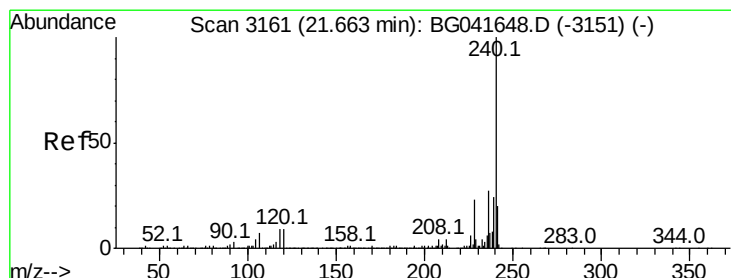
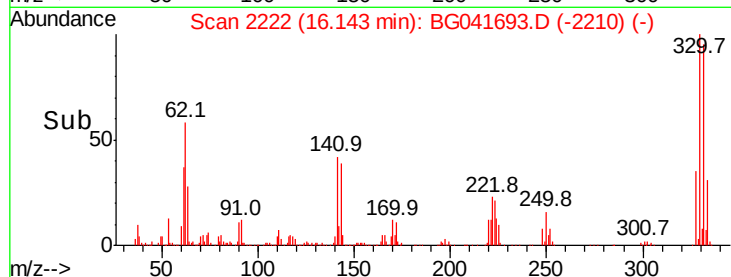
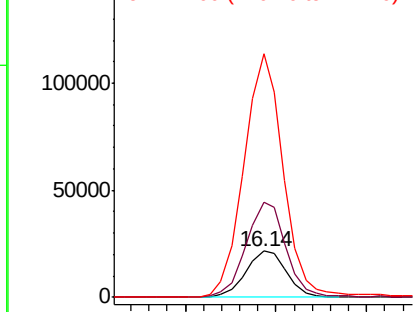
#67
 4-Bromophenyl-phenylether
 Concen: 4.896 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041693.D
 Acq: 17 Jul 2019 18:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 34081
 Ion Ratio Lower Upper
 248 100
 250 207.6 78.1 117.1#
 141 528.8 49.6 74.4#

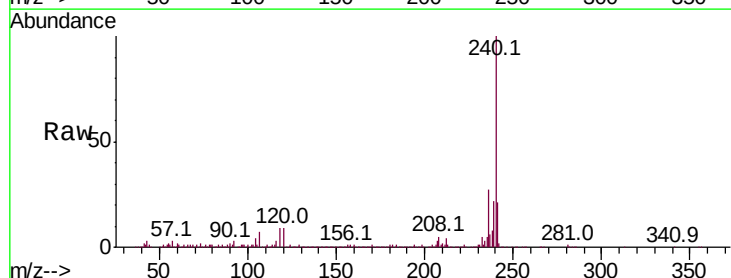


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

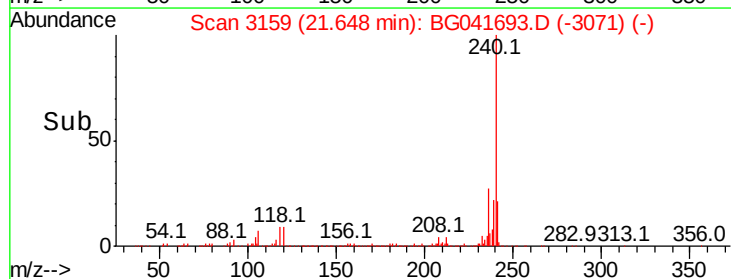
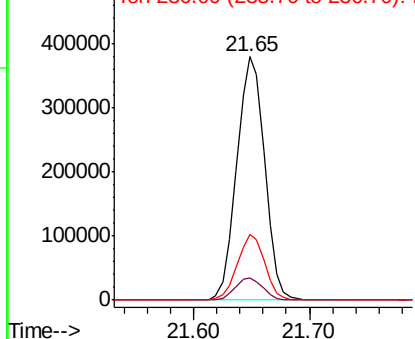


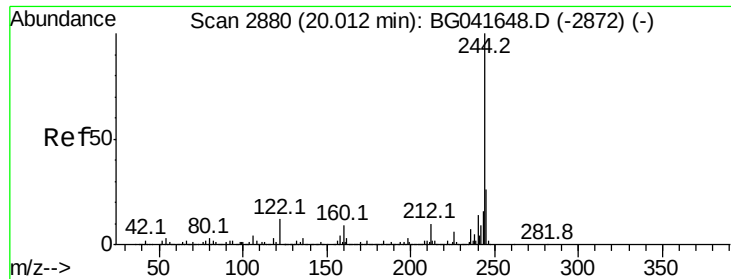
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041693.D
 Acq: 17 Jul 2019 18:25

Tgt Ion:240 Resp: 634534
 Ion Ratio Lower Upper
 240 100
 120 8.9 8.0 12.0
 236 27.2 22.6 33.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 80.830 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

Instrument :

BNA_G

ClientSampleId :

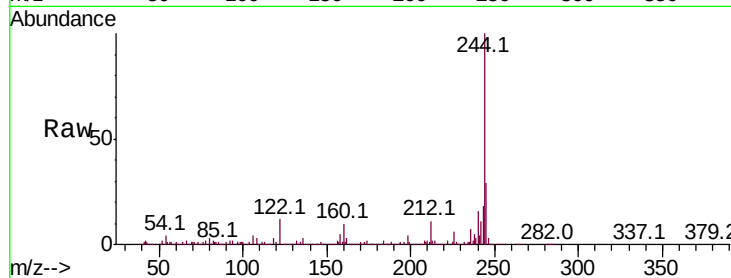
Tot Ion:244 Resp: 2194770

Ion	Ratio	Lower	Upper
244	100		
212	10.8	9.7	14.5
122	12.4	12.5	18.7

244 100

212 10.8 9.7 14.5

122 12.4 12.5 18.7

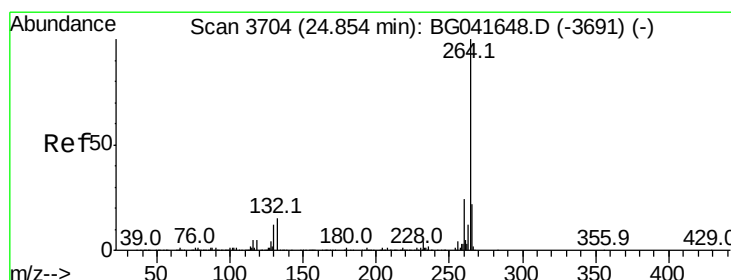
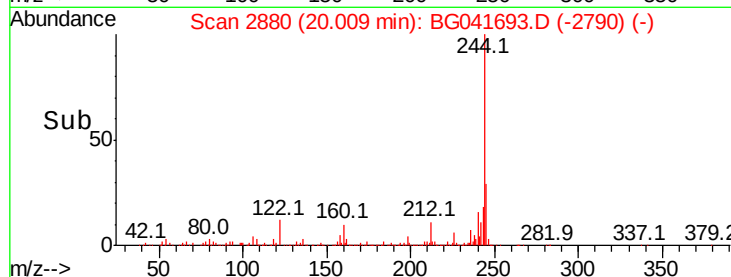
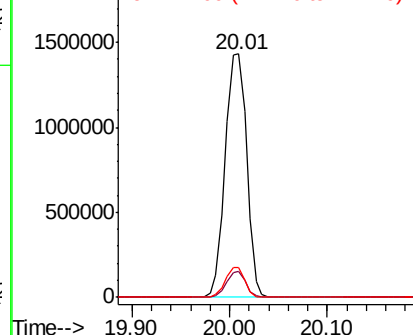


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3703

Delta R.T. -0.02 min

Lab File: BG041693.D

Acq: 17 Jul 2019 18:25

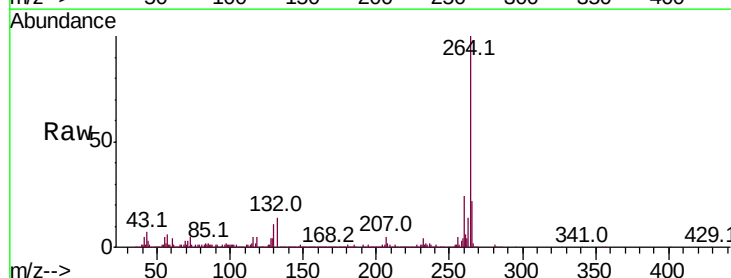
Tgt Ion:264 Resp: 686797

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.8	18.0	27.0

264 100

260 24.5 19.5 29.3

265 21.8 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

