

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 :
 SB-4(0-2)

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

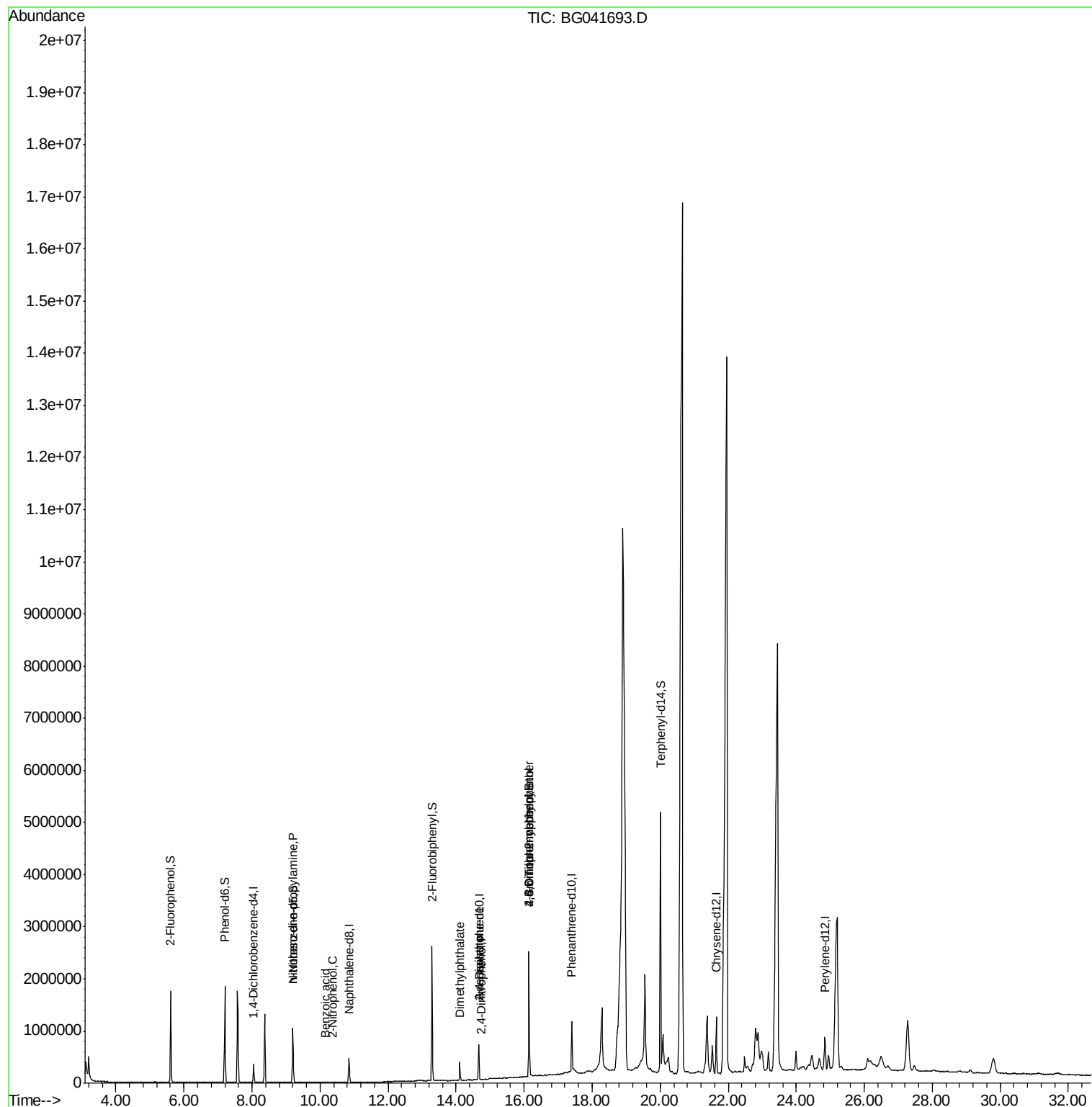
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	2184	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	9.20	70	87751	14.247	ng	# 74
26) 2-Nitrophenol	10.37	139	73	4.673	ng	# 34
32) Benzoic acid	10.17	122	157	6.043	ng	# 15
50) Dimethylphthalate	14.11	163	242072	12.849	ng	# 97
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

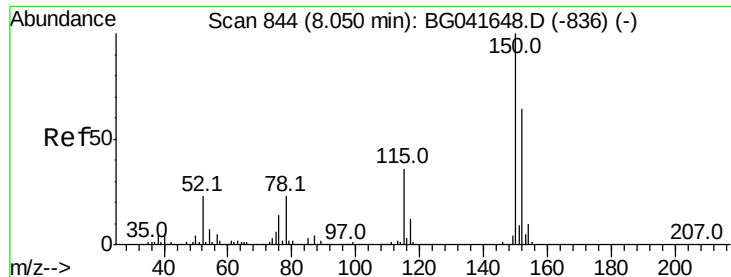
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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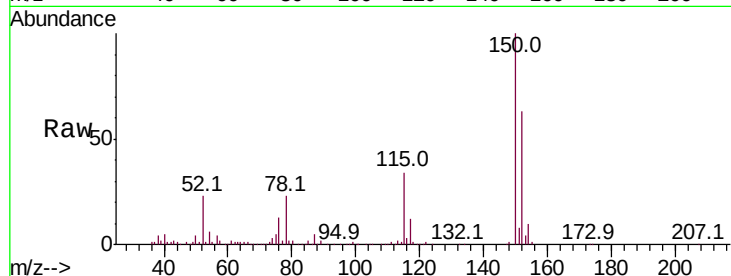


#1

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 :
SB-4(0-2)

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

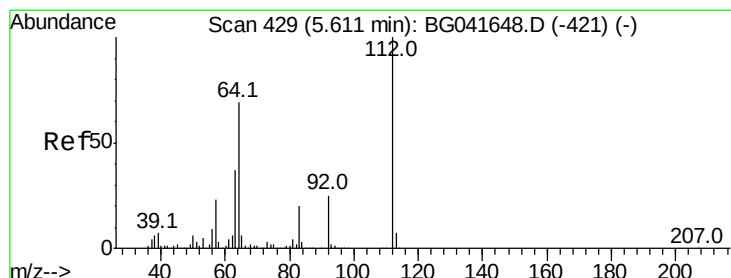
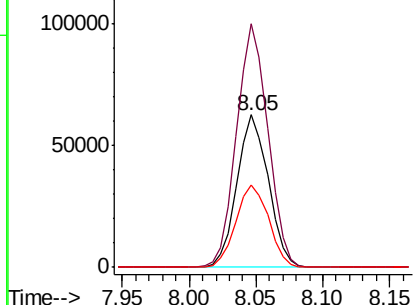
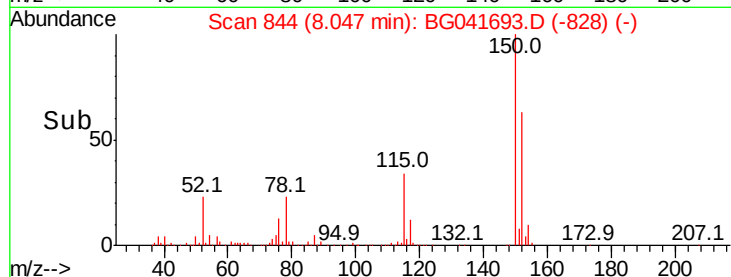


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

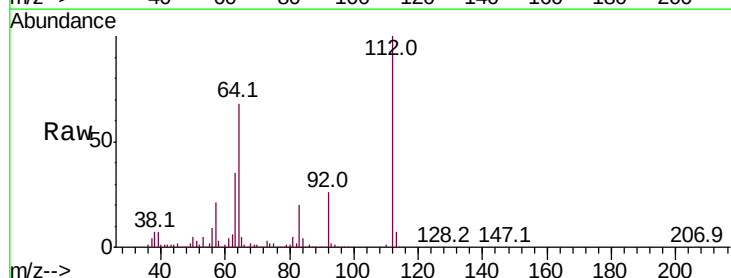
Ion 115.00 (114.70 to 115.70): E



#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

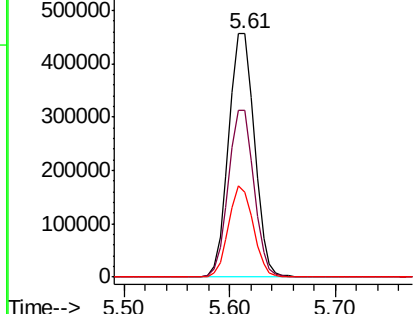
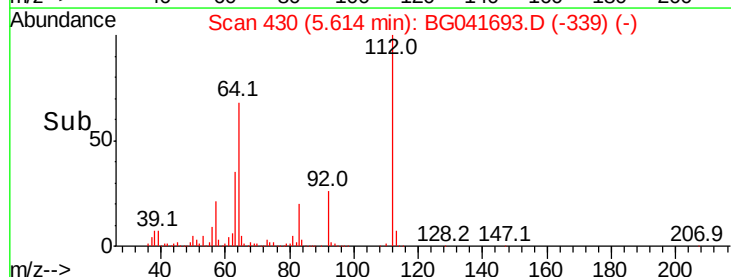


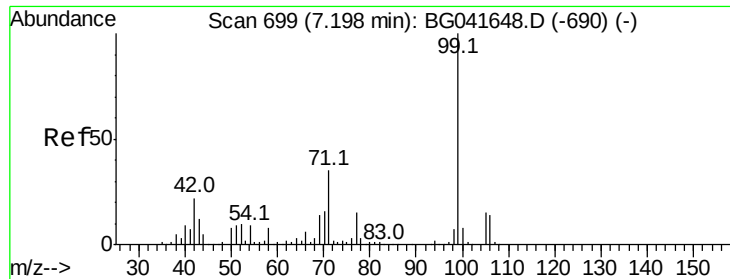
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#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 :

SB-4(0-2)

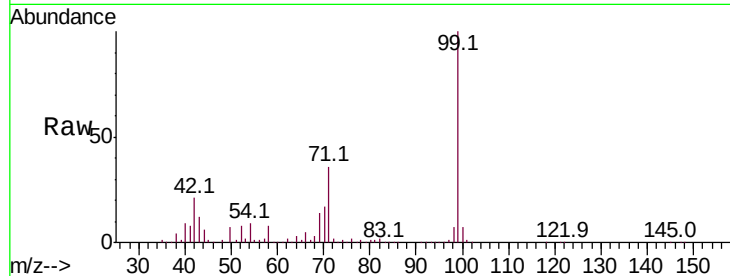
Tot Ion: 99 Resp: 1052109

Ion Ratio Lower Upper

99 100

42 21.4 17.6 26.4

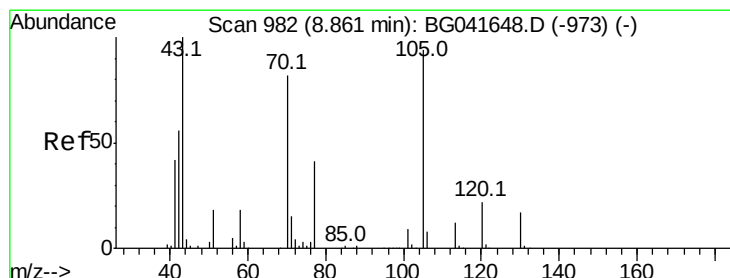
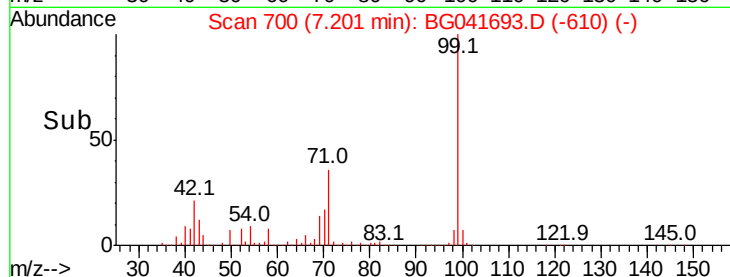
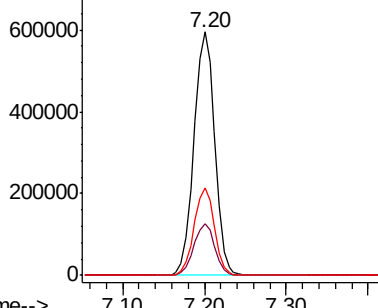
71 35.8 27.8 41.6



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: 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

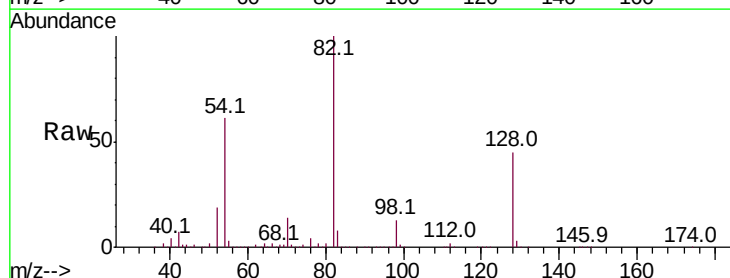
Ion Ratio Lower Upper

70 100

42 53.0 55.8 83.6#

101 0.0 8.1 12.1#

130 1.7 17.3 25.9#

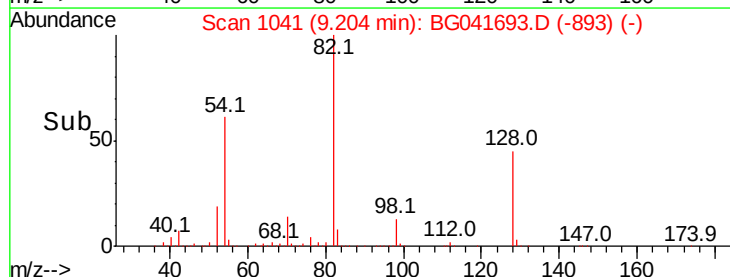
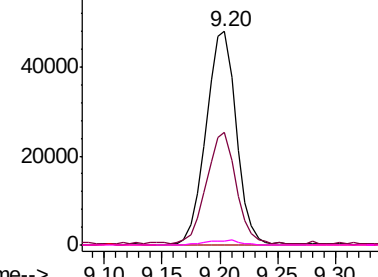


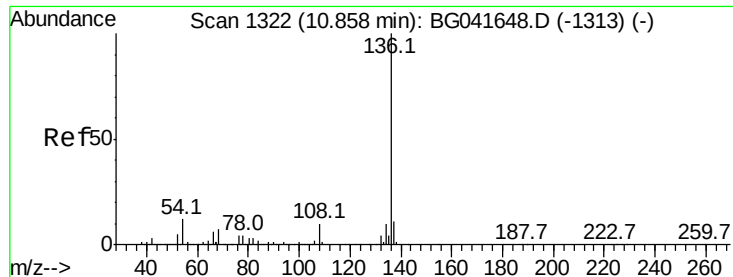
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#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 :

SB-4(0-2)

Tot Ion:136 Resp: 405163

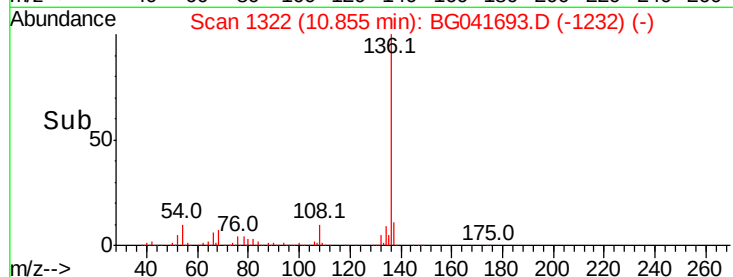
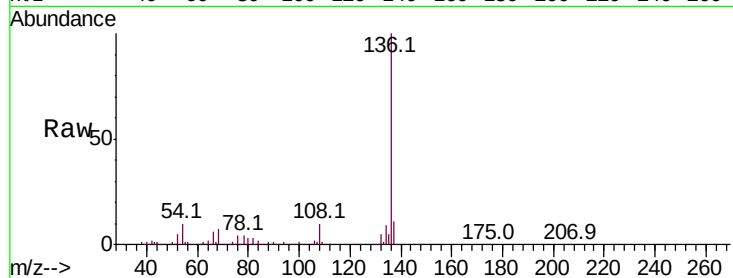
Ion Ratio Lower Upper

136 100

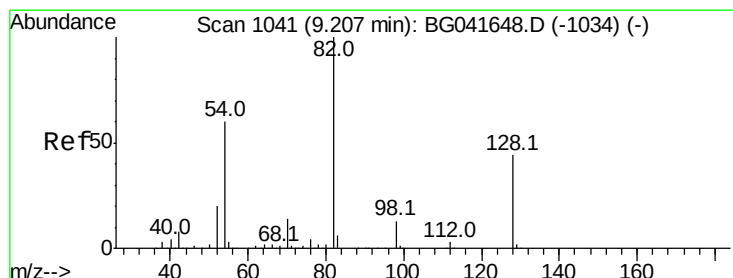
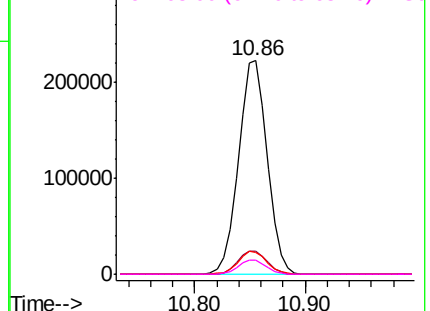
137 11.0 9.2 13.8

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

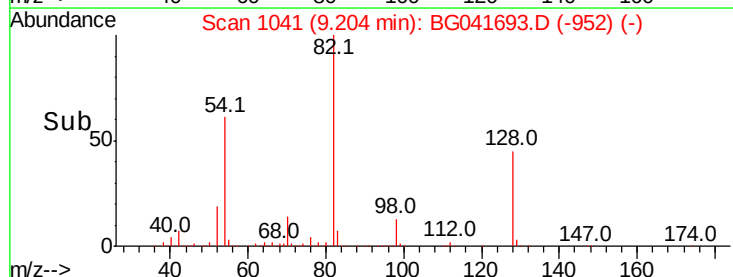
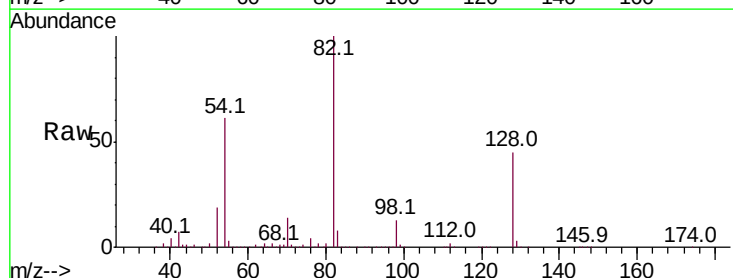
Tgt Ion: 82 Resp: 629572

Ion Ratio Lower Upper

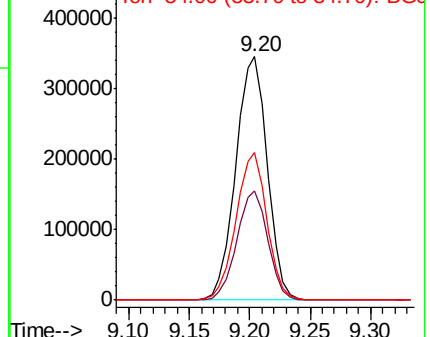
82 100

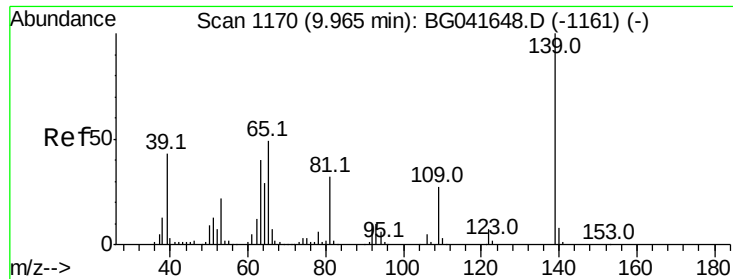
128 44.7 35.1 52.7

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

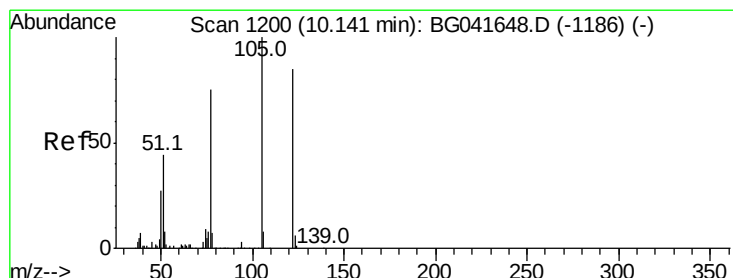
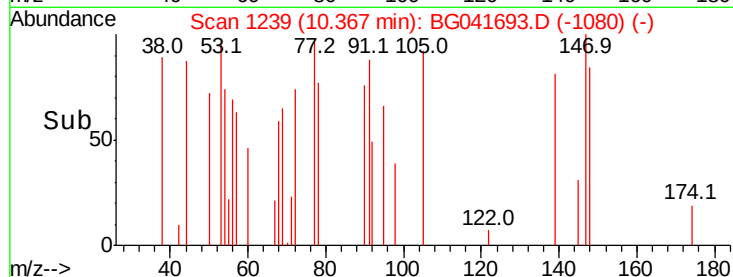
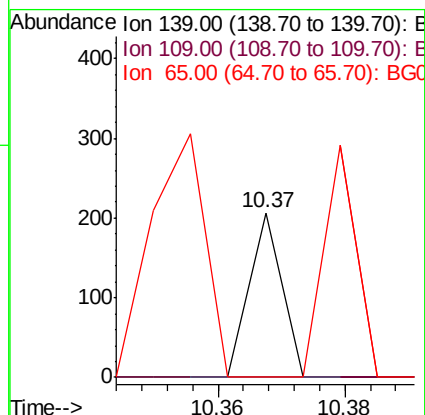
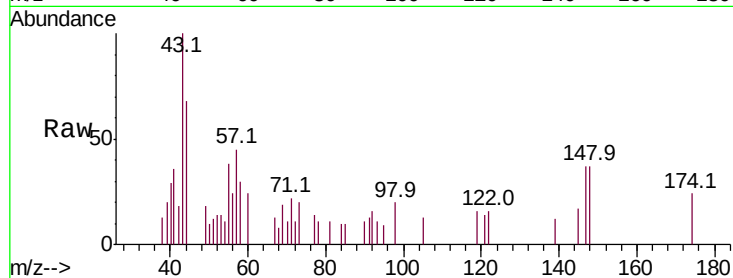




#26
2-Nitrophenol
Concen: 4.673 ng
RT: 10.37 min Scan# 1239
Delta R.T. 0.40 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

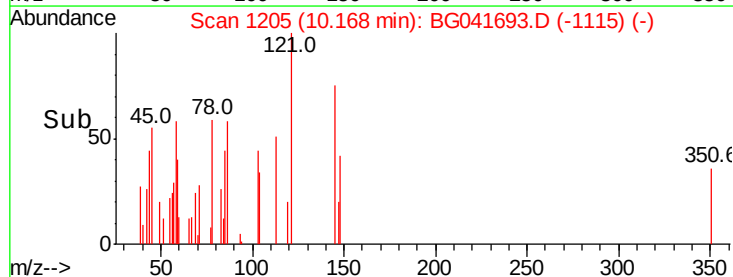
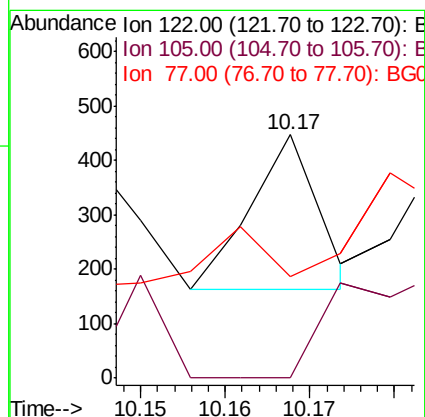
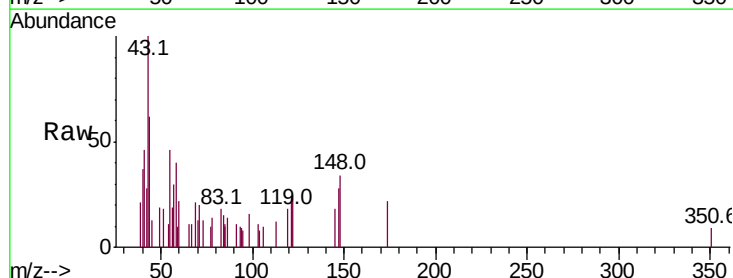
Instrument :
BNA_G
ClientSampleId :
SB-4(0-2)

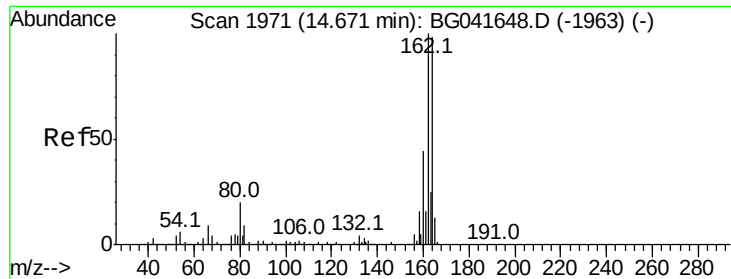
Tot Ion:139 Resp: 73
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 41.1 61.7#



#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 :

SB-4(0-2)

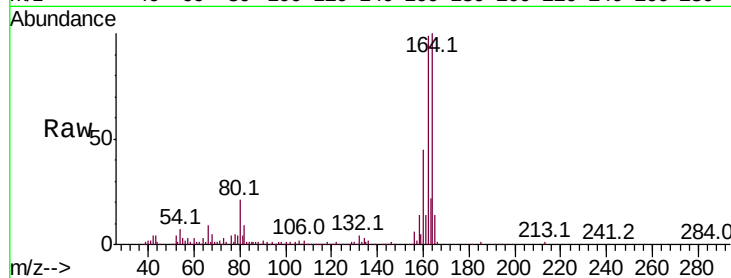
Tot Ion:164 Resp: 239871

Ion Ratio Lower Upper

164 100

162 98.6 79.6 119.4

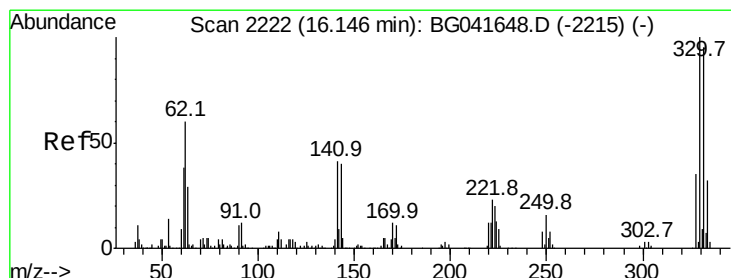
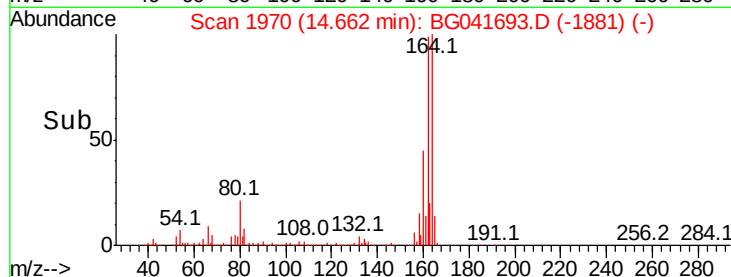
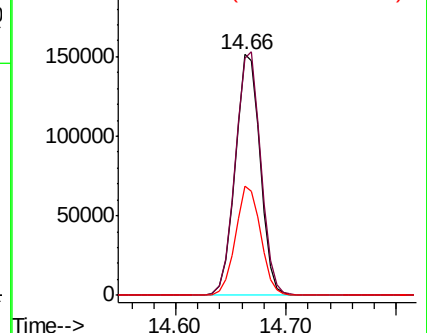
160 45.3 35.4 53.0



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

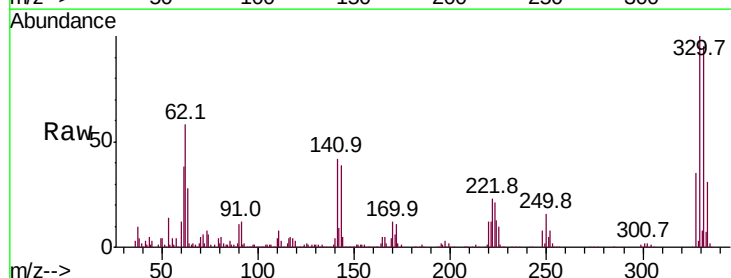
Tgt Ion:330 Resp: 438415

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.0

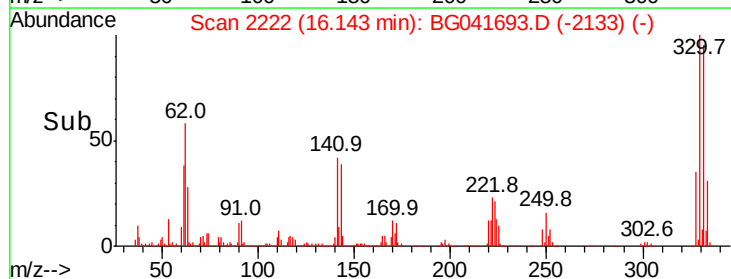
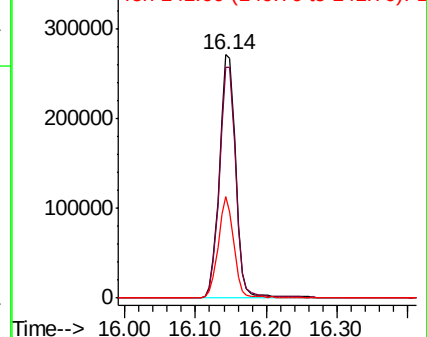
141 39.5 31.9 47.9

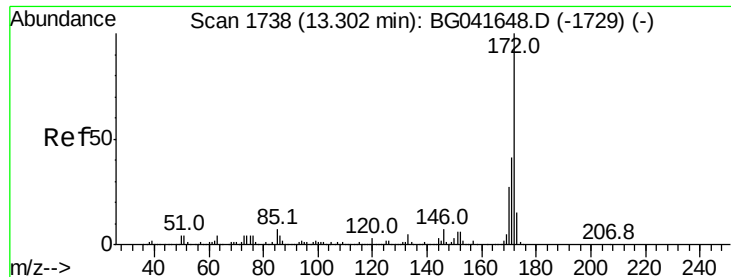


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

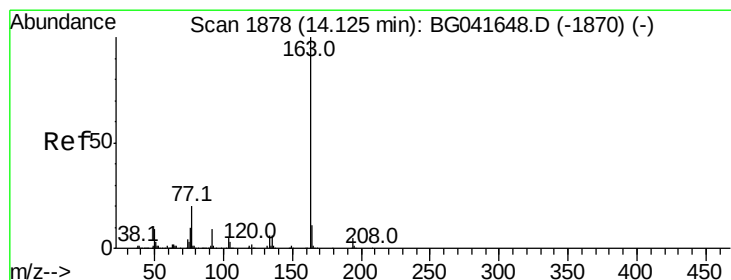
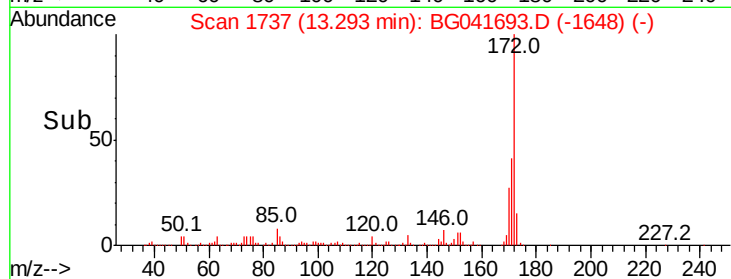
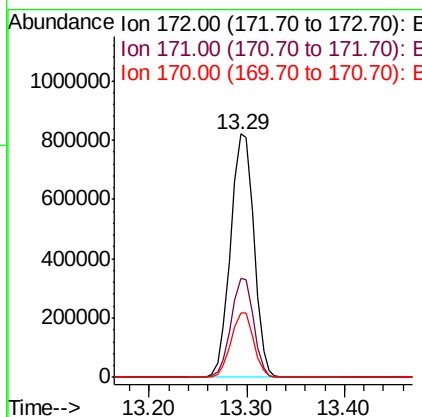
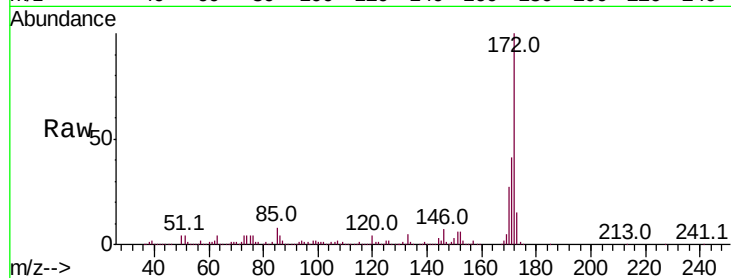




#45
2-Fluorobiphenyl
Concen: 88.214 ng
RT: 13.29 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

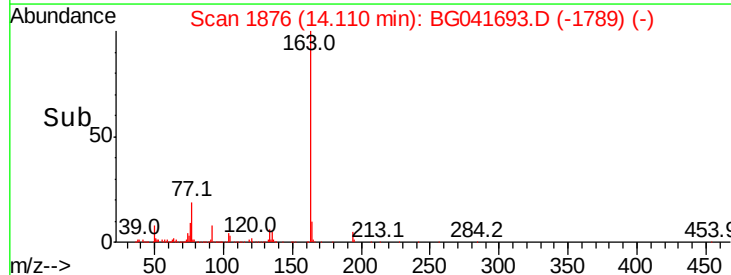
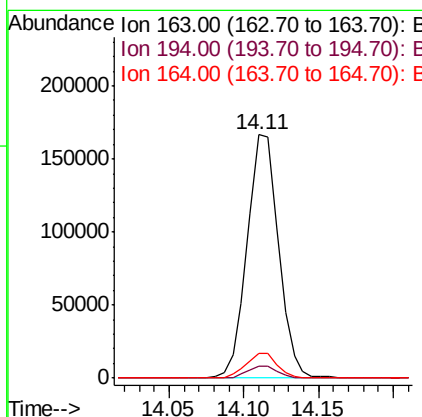
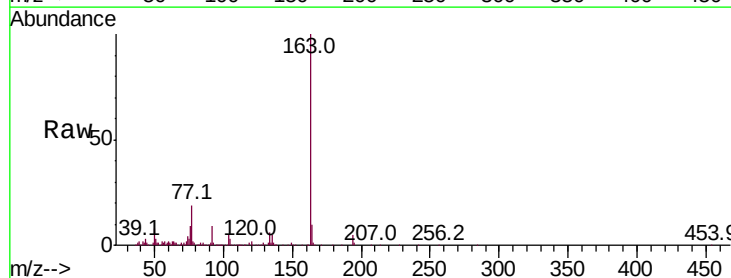
Instrument :
BNA_G
ClientSampleId :
SB-4(0-2)

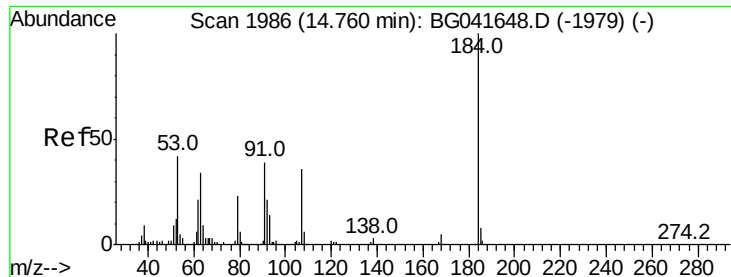
Tot Ion:172 Resp: 1366478
Ion Ratio Lower Upper
172 100
171 40.6 35.0 52.4
170 26.5 23.5 35.3



#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

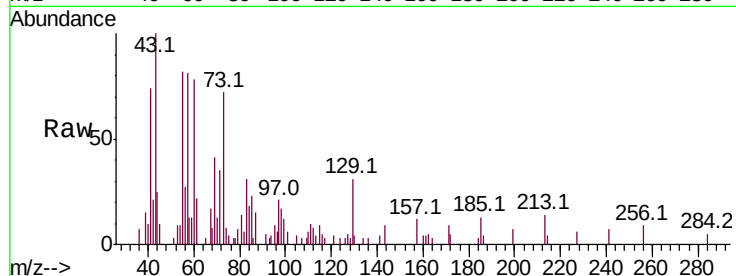




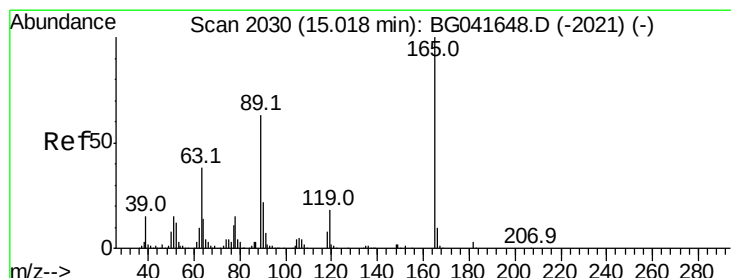
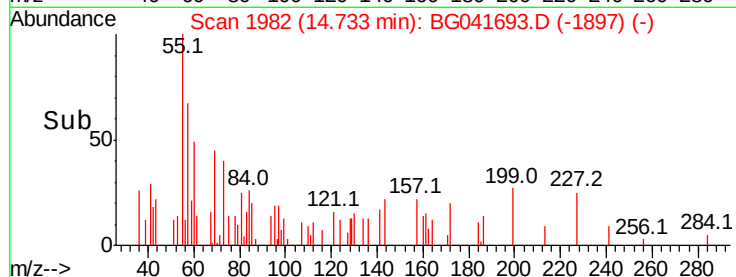
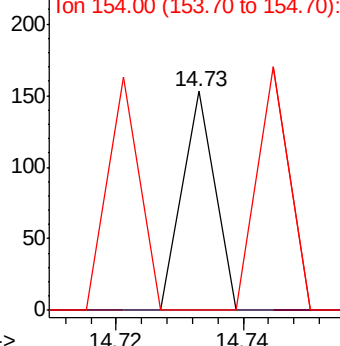
#54
2,4-Dinitrophenol
Concen: 7.753 ng
RT: 14.73 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

Instrument :
BNA_G
ClientSampleId :
SB-4(0-2)

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#

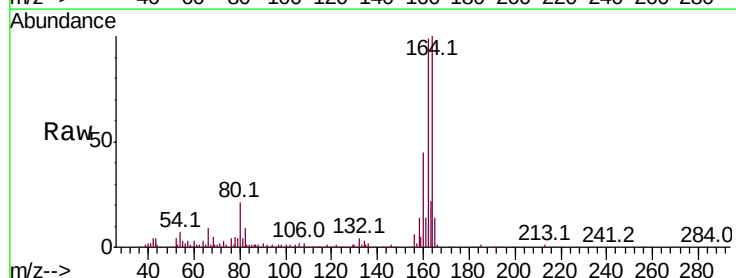


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

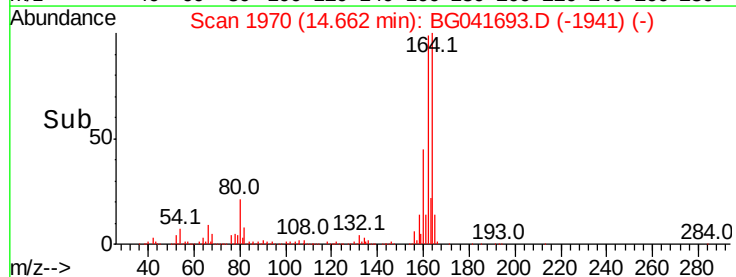
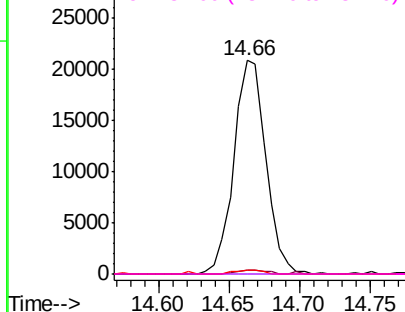


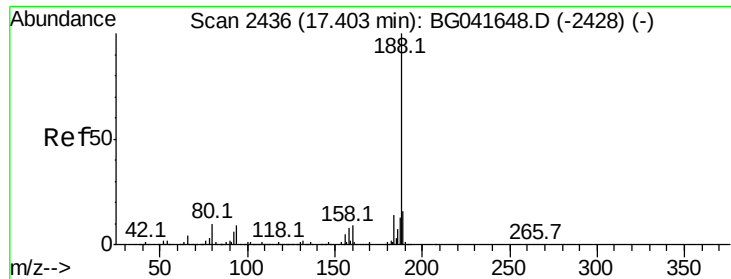
#57
2,4-Dinitrotoluene
Concen: 6.222 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.36 min
Lab File: BG041693.D
Acq: 17 Jul 2019 18:25

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

ClientSampleId :

SB-4(0-2)

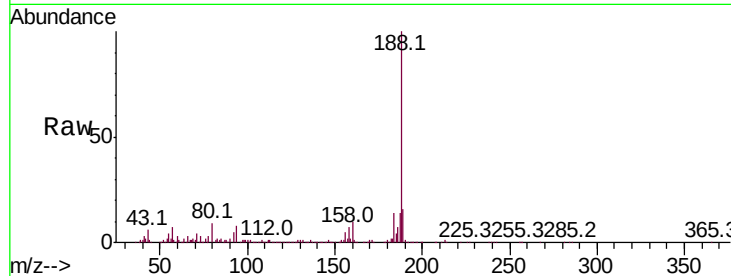
Tot Ion:188 Resp: 584968

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

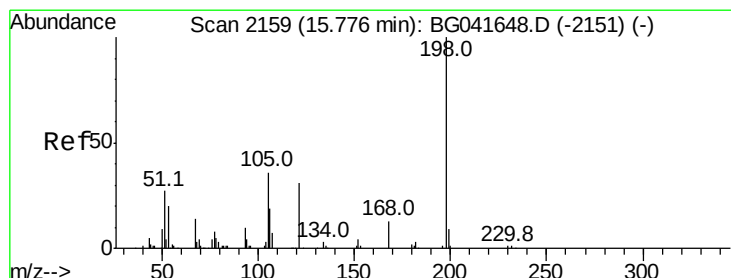
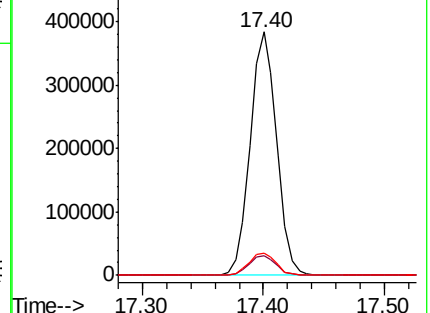
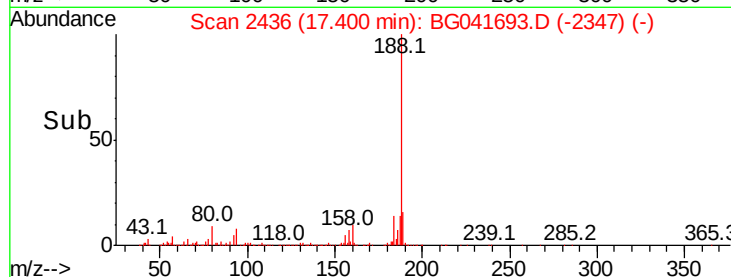
80 9.1 8.0 12.0



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

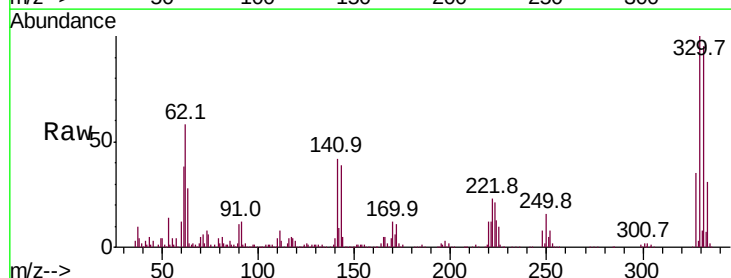
Tgt Ion:198 Resp: 1393

Ion Ratio Lower Upper

198 100

51 135.7 22.3 62.3#

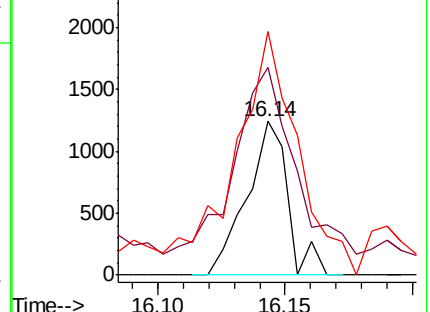
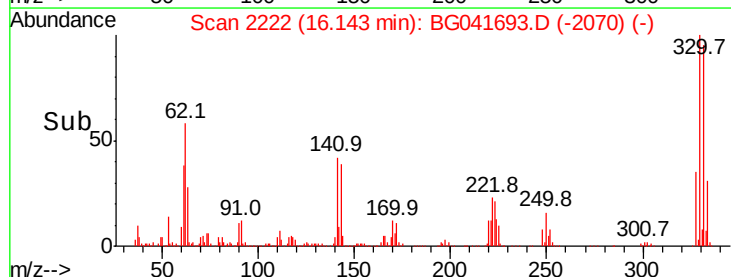
105 158.6 18.0 58.0#

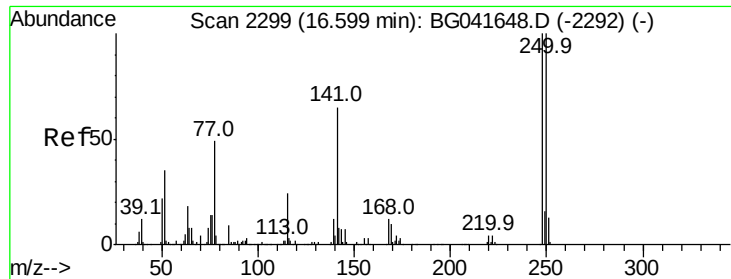


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

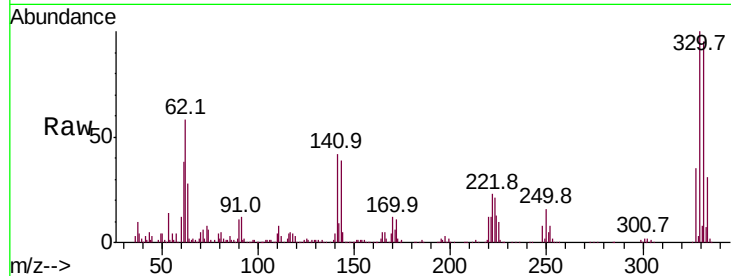




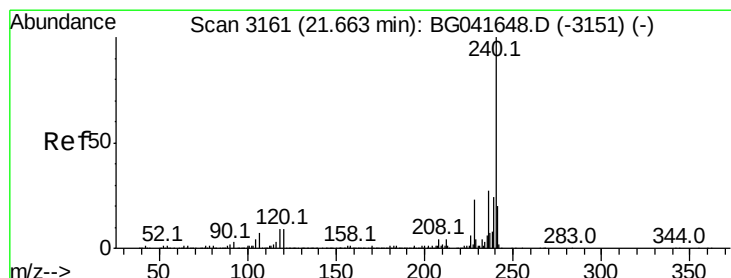
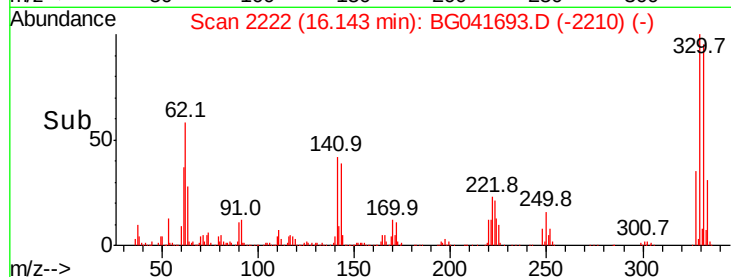
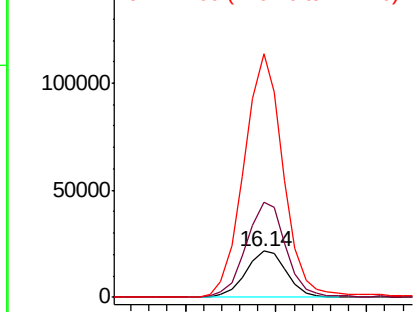
#67
 4-Bromophenyl-phenylether
 Concen: 4.896 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.46 min
 Lab File: BG041693.D
 Acq: 17 Jul 2019 18:25

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(0-2)

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#

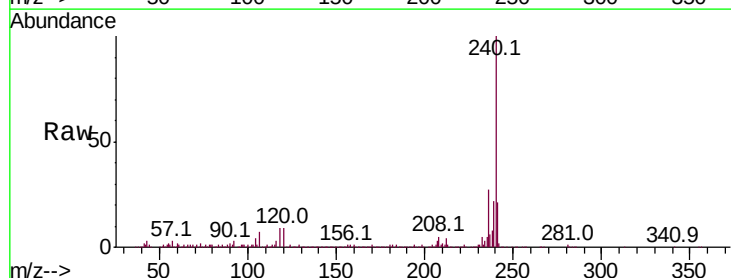


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

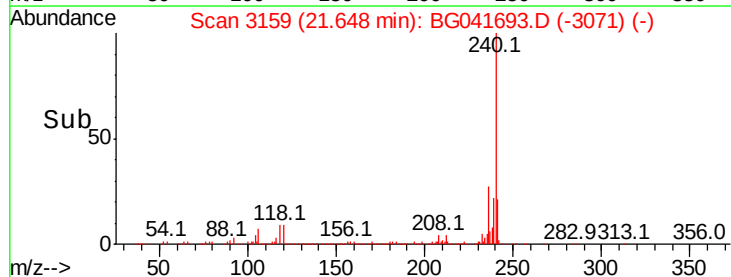
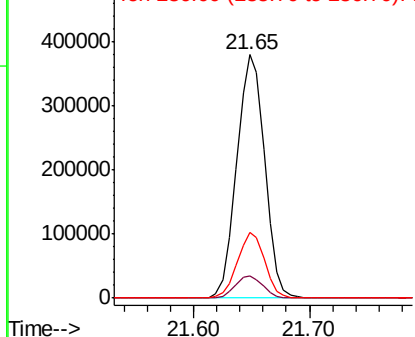


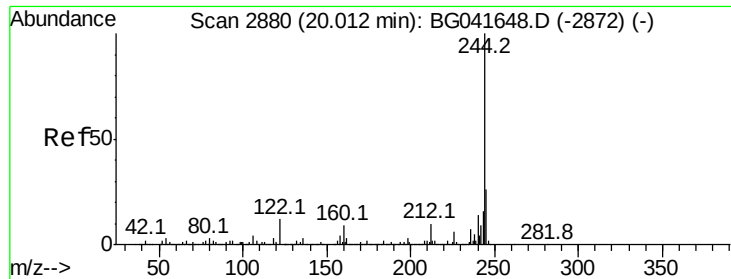
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG041693.D
 Acq: 17 Jul 2019 18:25

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 :

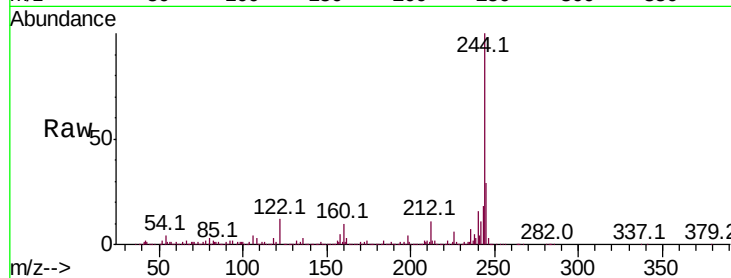
BNA_G

ClientSampleId :

SB-4(0-2)

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

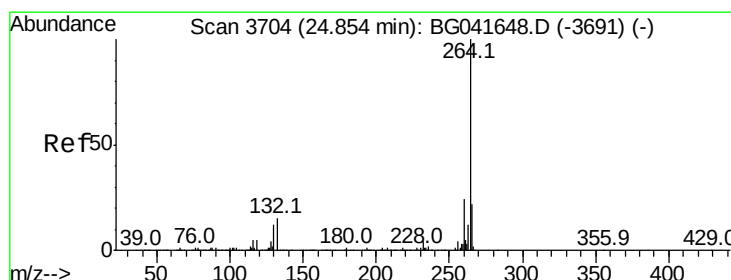
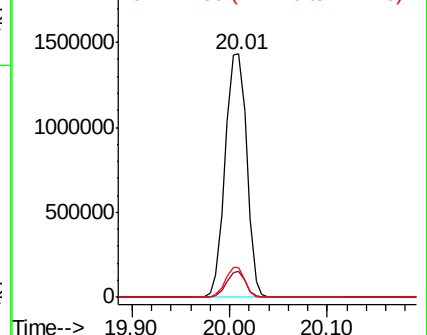
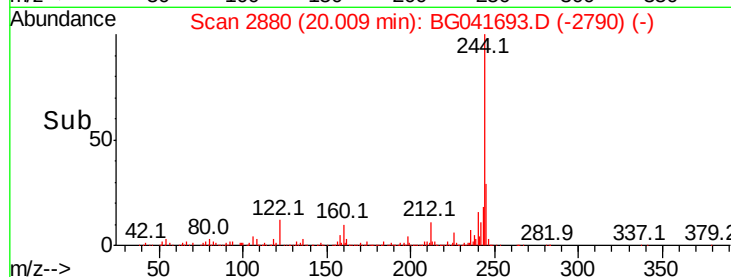


Abundance

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

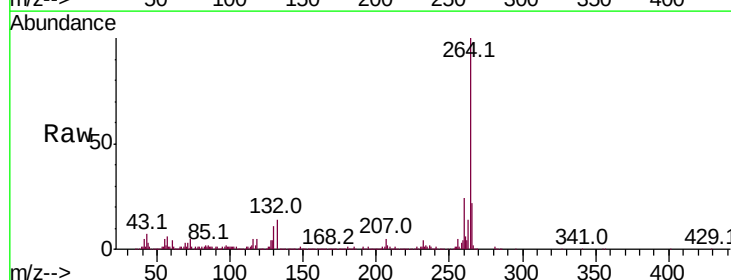
Delta R.T. -0.02 min

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



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

