

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111819\
 Data File : BG043689.D
 Acq On : 19 Nov 2019 1:28
 Operator : JU
 Sample : K5833-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 19 02:59:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

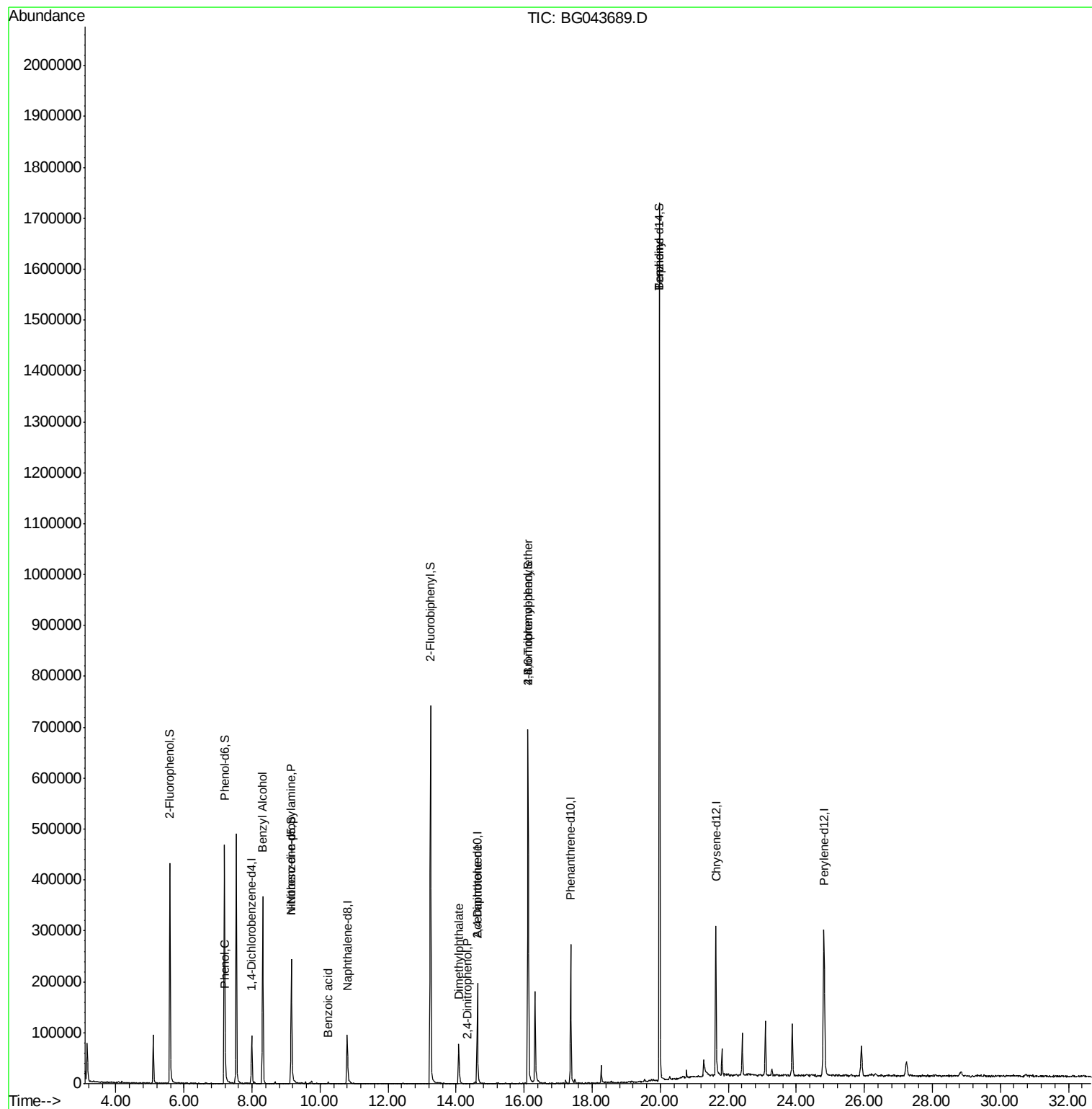
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	28246	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	105782	20.00	ng	-0.02
39) Acenaphthene-d10	14.62	164	78520	20.00	ng	-0.02
64) Phenanthrene-d10	17.37	188	195669	20.00	ng	-0.02
76) Chrysene-d12	21.63	240	213971	20.00	ng	-0.03
87) Perylene-d12	24.81	264	254516	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	201508	130.73	ng	0.00
7) Phenol-d6	7.19	99	285026	128.52	ng	0.00
23) Nitrobenzene-d5	9.16	82	171057	83.37	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	169778	113.62	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	442192	77.82	ng	-0.02
79) Terphenyl-d14	19.98	244	910302	79.81	ng	-0.02
Target Compounds						
10) Phenol	7.22	94	11242	5.547	ng	94
15) Benzyl Alcohol	8.32	79	3513	2.255	ng	# 68
19) n-Nitroso-di-n-propylamine	9.15	70	23611	16.476	ng	# 74
32) Benzoic acid	10.24	122	298	9.283	ng	# 1
50) Dimethylphthalate	14.07	163	67096	11.032	ng	98
54) 2,4-Dinitrophenol	14.33	184	56	7.344	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	11194	5.928	ng	# 25
67) 4-Bromophenyl-phenylether	16.12	248	12234	4.646	ng	# 1
77) Benzidine	19.98	184	13616	3.162	ng	# 72

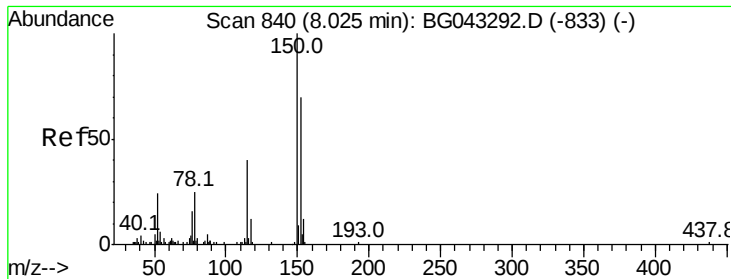
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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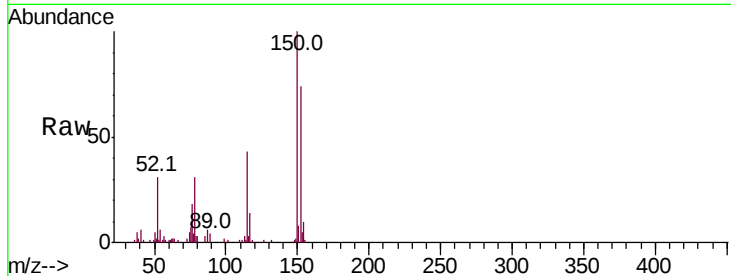


#1

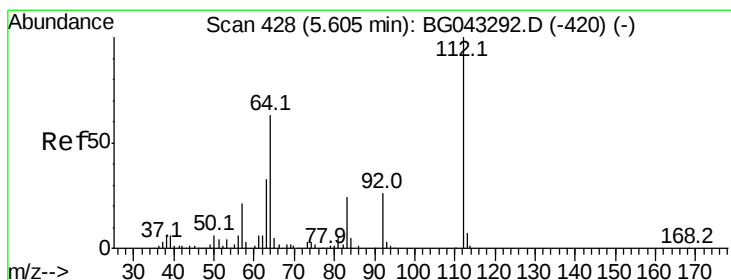
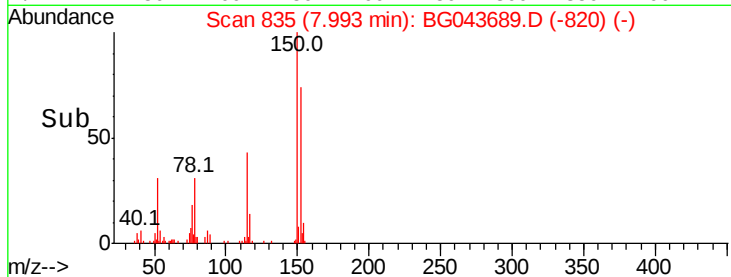
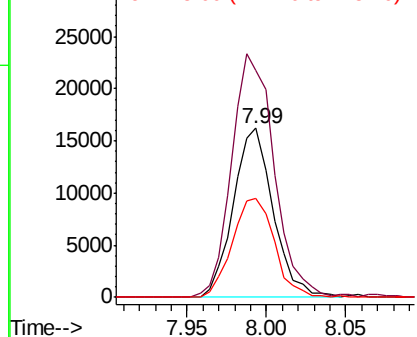
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28246
Ion Ratio Lower Upper
152 100
150 134.5 129.4 194.0
115 58.4 48.8 73.2



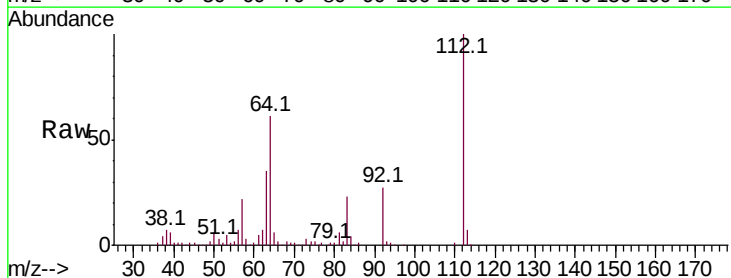
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



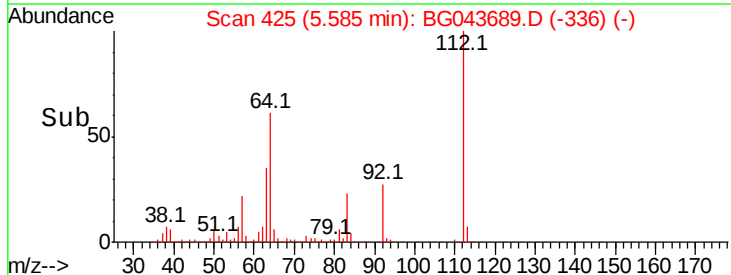
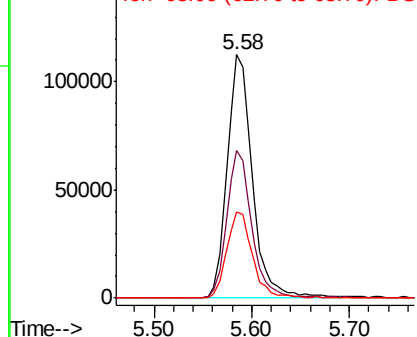
#5

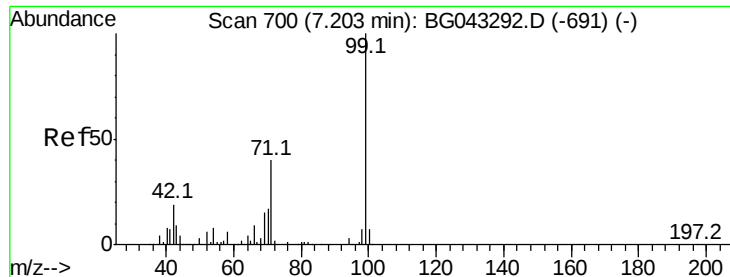
2-Fluorophenol
Concen: 130.727 ng
RT: 5.58 min Scan# 425
Delta R.T. -0.01 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Tgt Ion:112 Resp: 201508
Ion Ratio Lower Upper
112 100
64 60.8 50.0 75.0
63 35.1 26.6 40.0



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: 128.520 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

Instrument :

BNA_G

ClientSampleId :

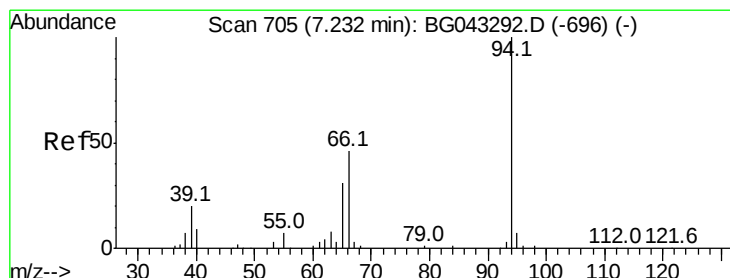
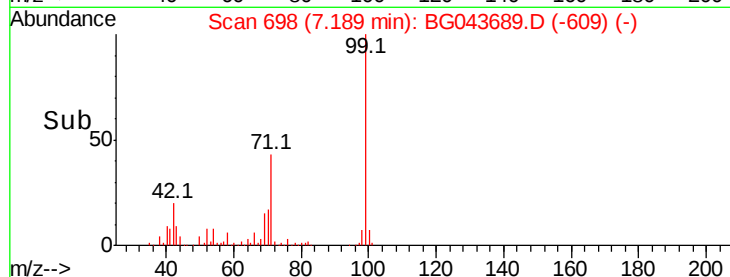
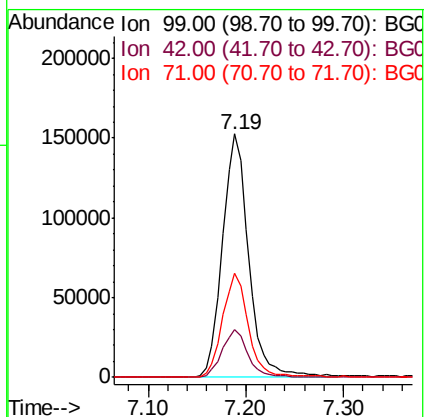
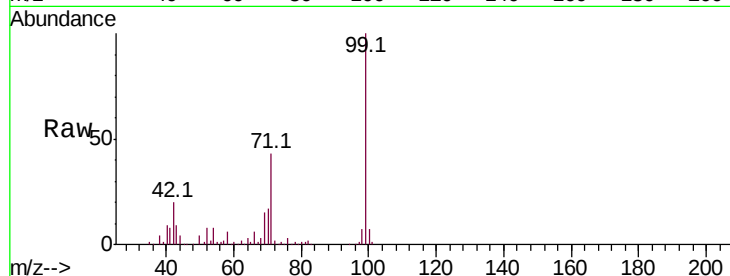
Tot Ion: 99 Resp: 285026

Ion Ratio Lower Upper

99 100

42 19.8 14.6 21.8

71 42.6 32.5 48.7



#10

Phenol

Concen: 5.547 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

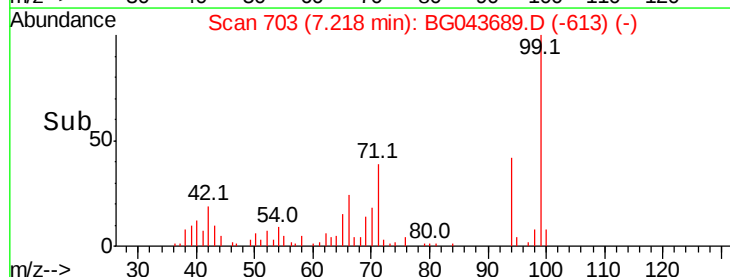
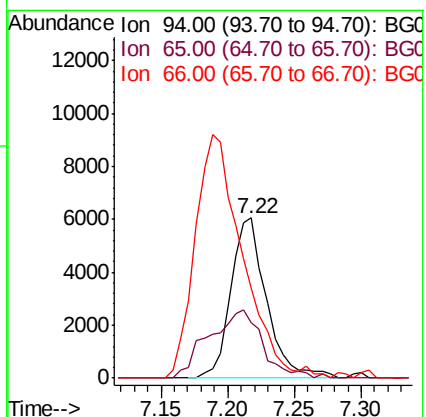
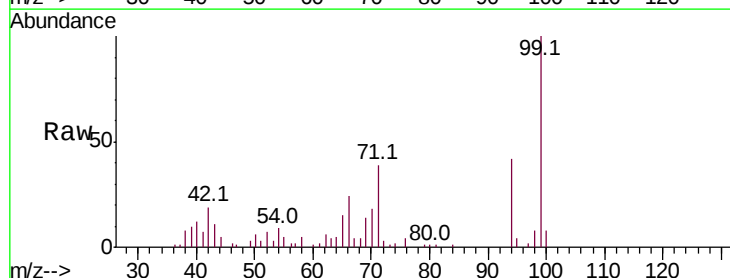
Tgt Ion: 94 Resp: 11242

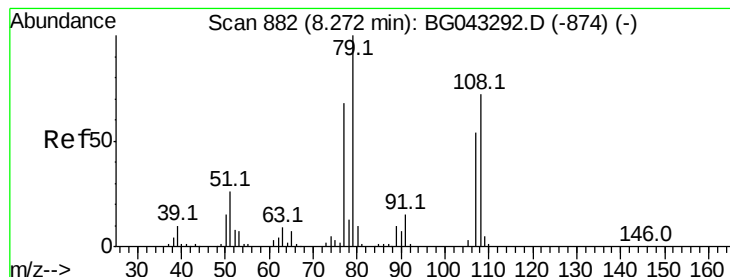
Ion Ratio Lower Upper

94 100

65 34.3 12.6 52.6

66 56.2 30.7 70.7





#15

Benzyl Alcohol

Concen: 2.255 ng

RT: 8.32 min Scan# 890

Delta R.T. 0.06 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

Instrument :

BNA_G

ClientSampled :

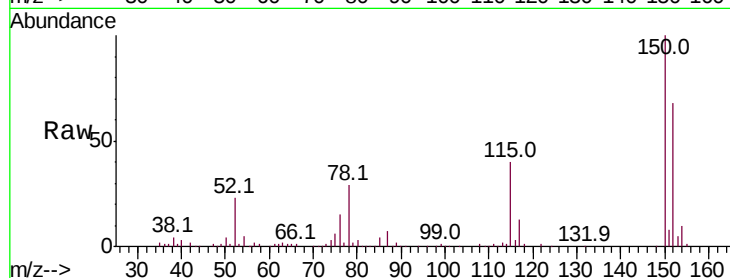
Tot Ion: 79 Resp: 3513

Ion Ratio Lower Upper

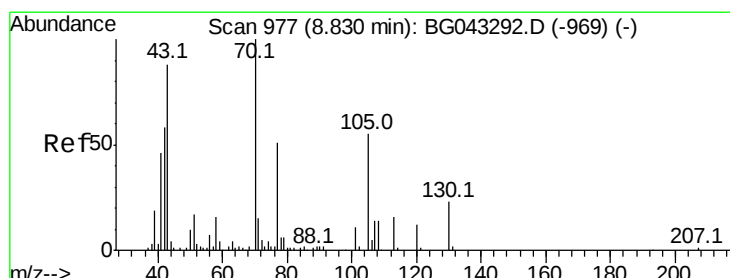
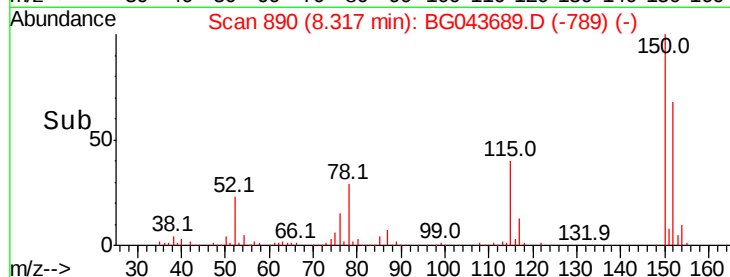
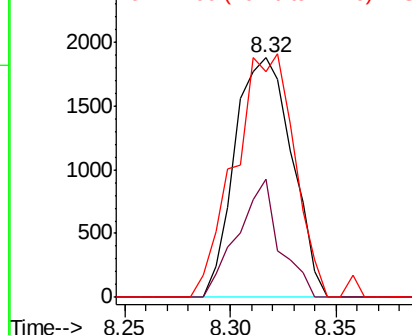
79 100

108 49.1 53.6 80.4#

77 94.2 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.476 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

Tgt Ion: 70 Resp: 23611

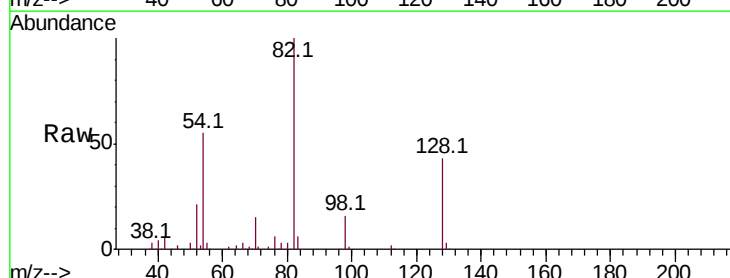
Ion Ratio Lower Upper

70 100

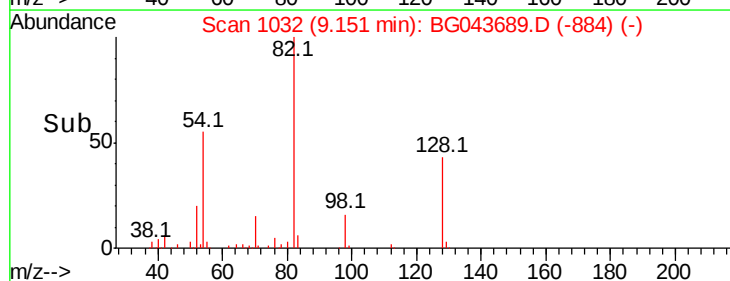
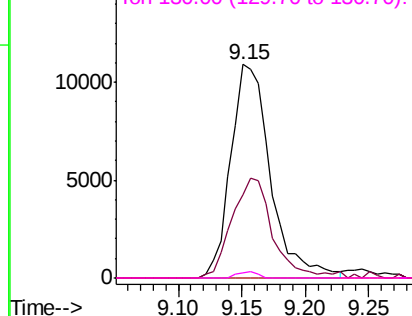
42 39.1 41.4 62.2#

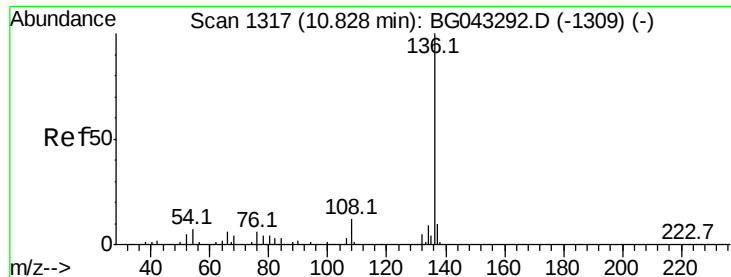
101 0.0 7.9 11.9#

130 2.3 19.0 28.4#



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: 10.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 105782

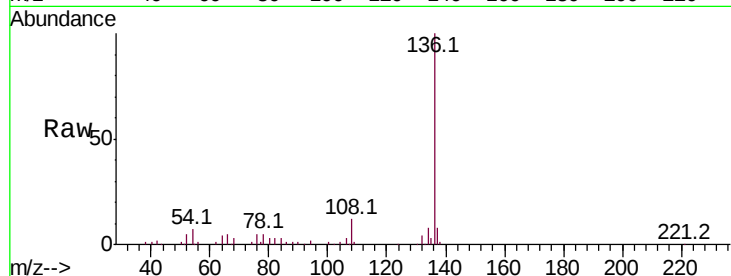
Ion Ratio Lower Upper

136 100

137 8.4 8.7 13.1#

54 7.3 5.4 8.2

68 3.5 3.0 4.4

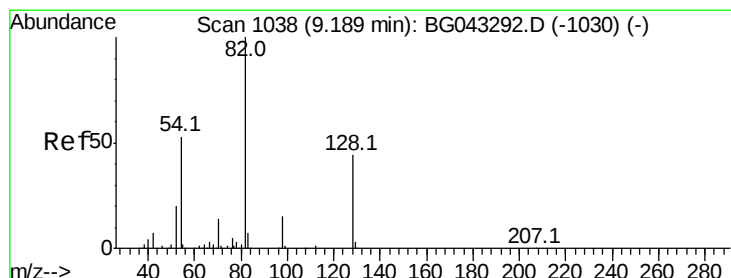
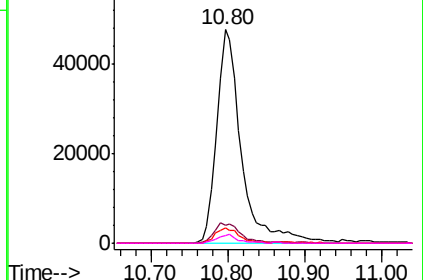
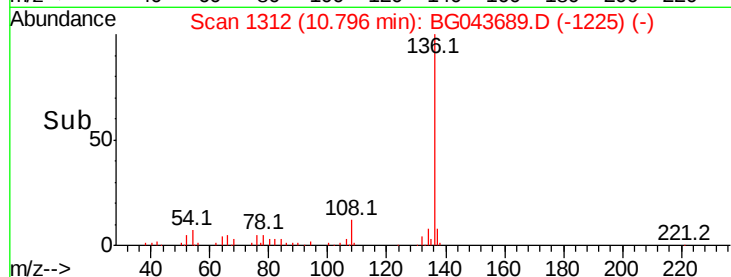


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 83.367 ng

RT: 9.16 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

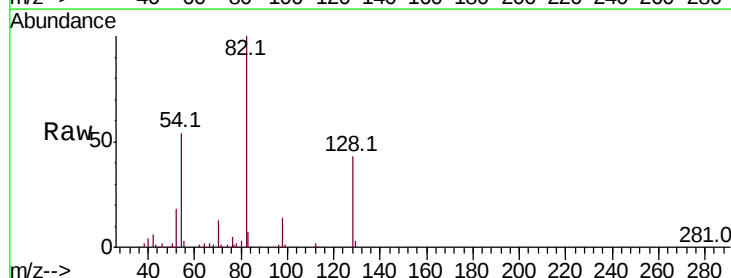
Tgt Ion: 82 Resp: 171057

Ion Ratio Lower Upper

82 100

128 43.3 35.0 52.6

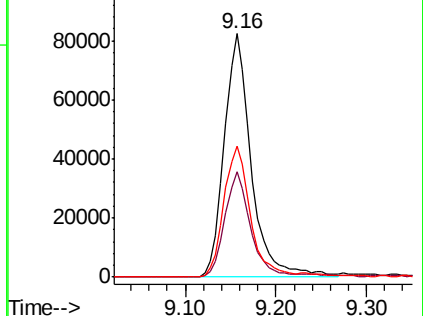
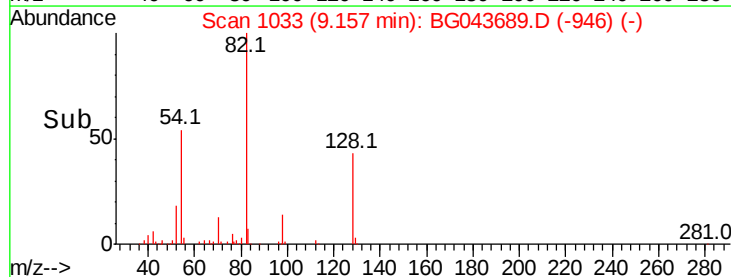
54 53.8 40.2 60.2

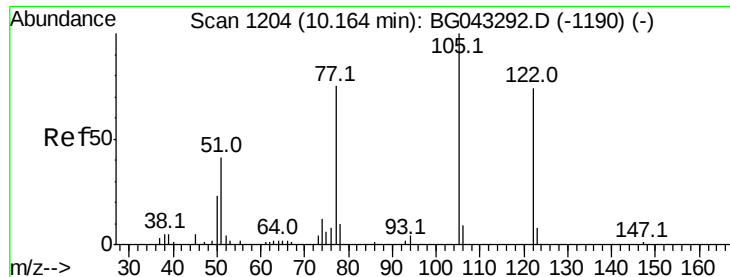


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

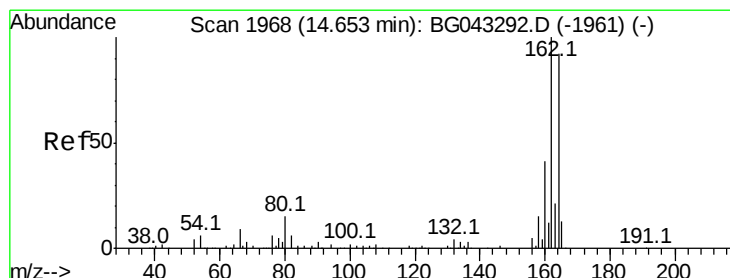
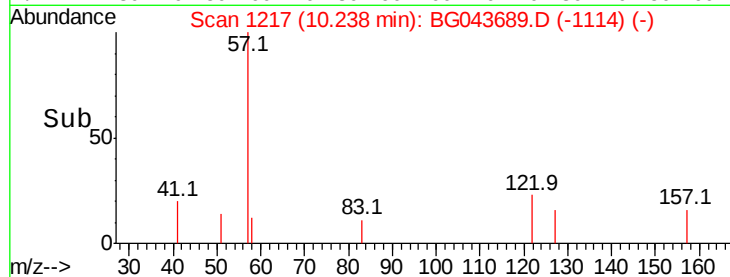
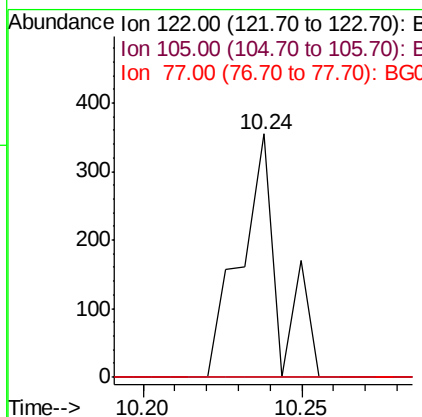
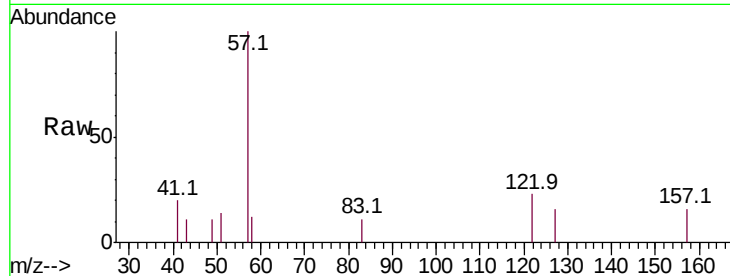




#32
Benzoic acid
Concen: 9.283 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.07 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

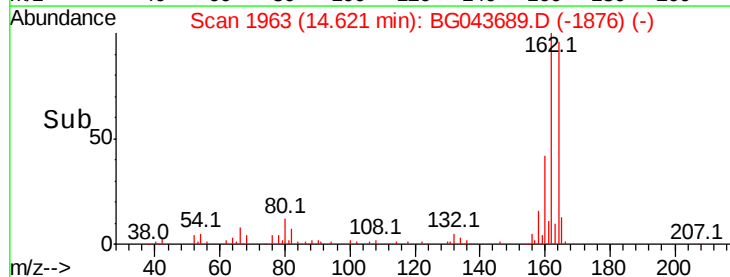
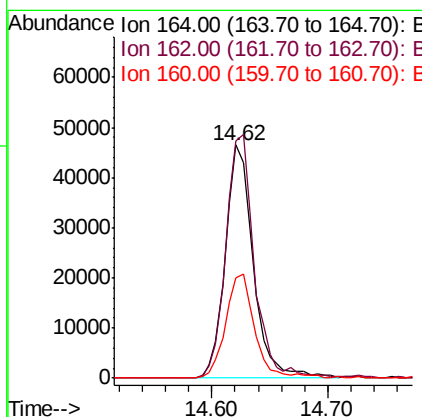
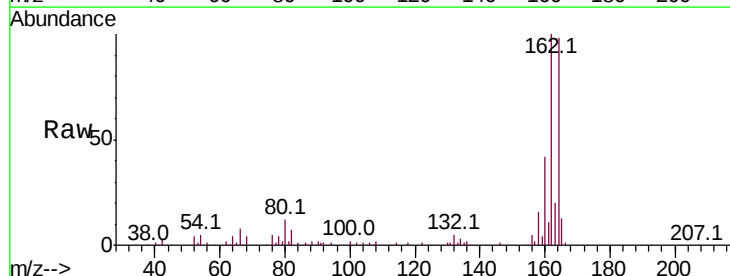
Instrument :
BNA_G
ClientSampleId :

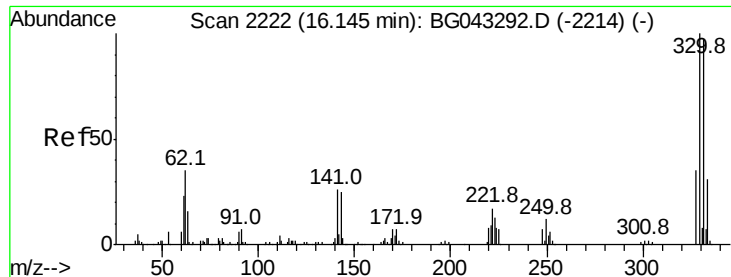
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	84.9	124.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.5	125.3
160	42.8	36.5	54.7

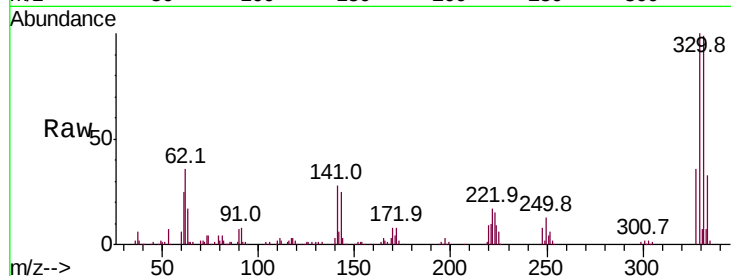




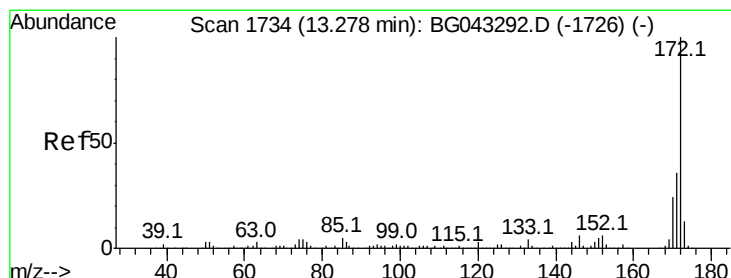
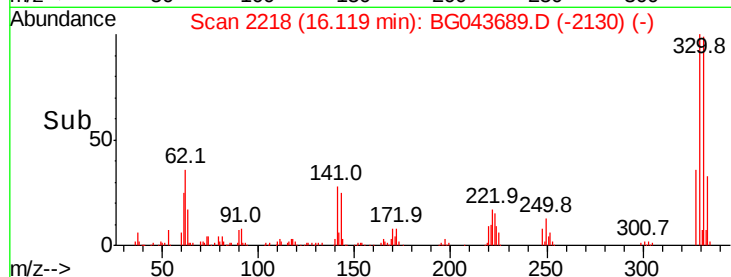
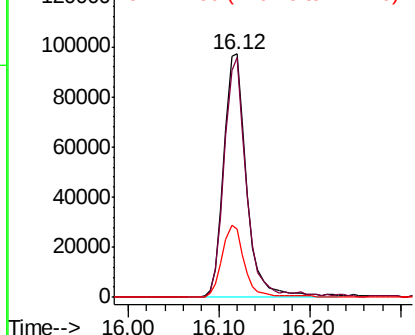
#42
 2,4,6-Tribromophenol
 Concen: 113.622 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043689.D
 Acq: 19 Nov 2019 1:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 169778
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.0
 141 29.3 22.8 34.2

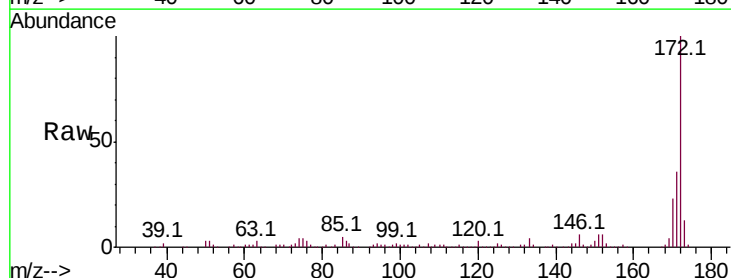


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

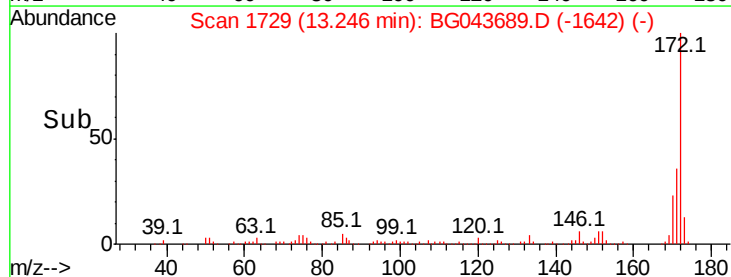
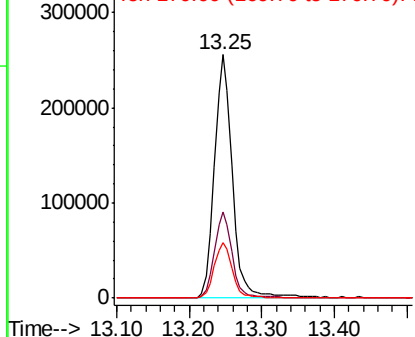


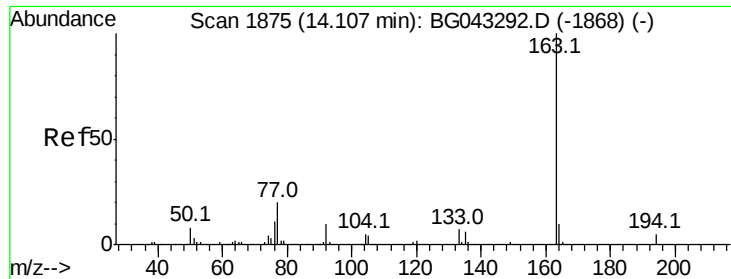
#45
 2-Fluorobiphenyl
 Concen: 77.817 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG043689.D
 Acq: 19 Nov 2019 1:28

Tgt Ion:172 Resp: 442192
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.9 43.3
 170 22.7 18.5 27.7



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

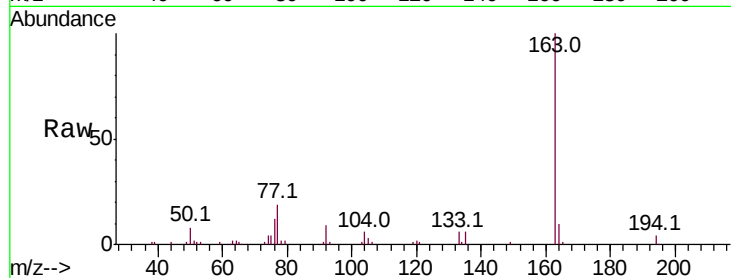




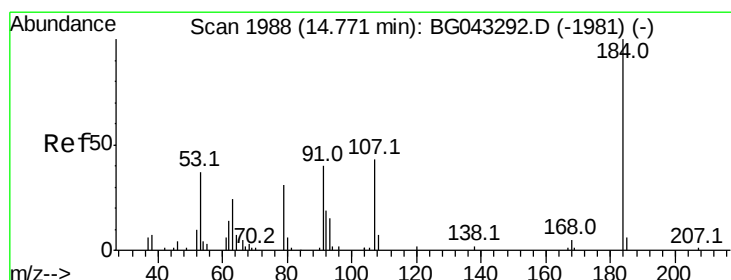
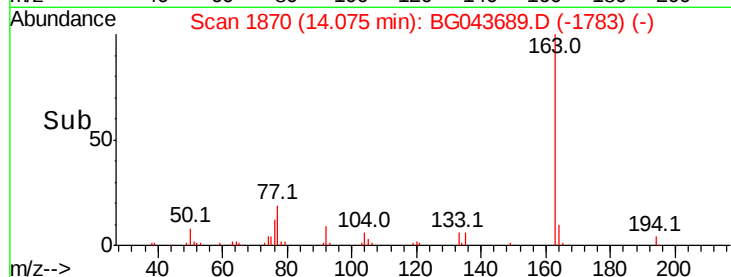
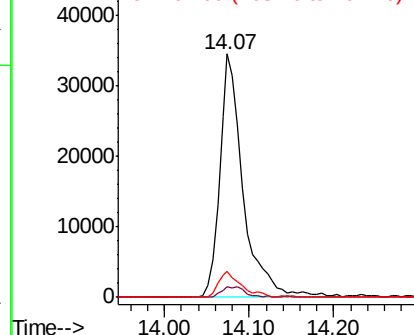
#50
Dimethylphthalate
Concen: 11.032 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 67096
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.6
164 10.4 8.9 13.3

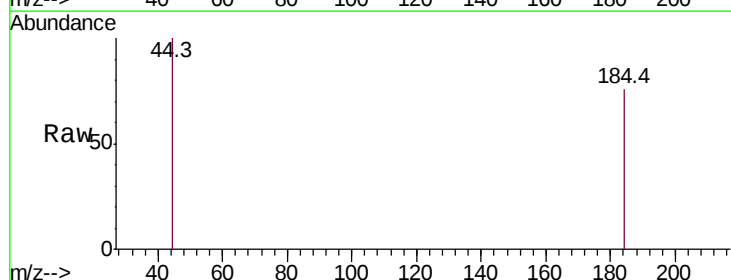


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

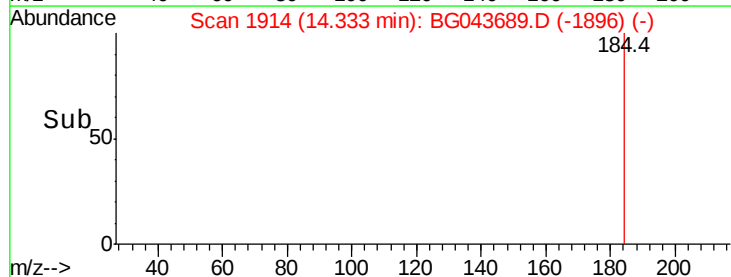
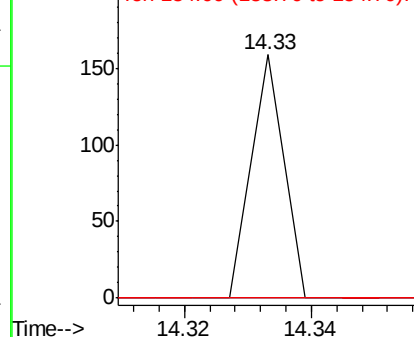


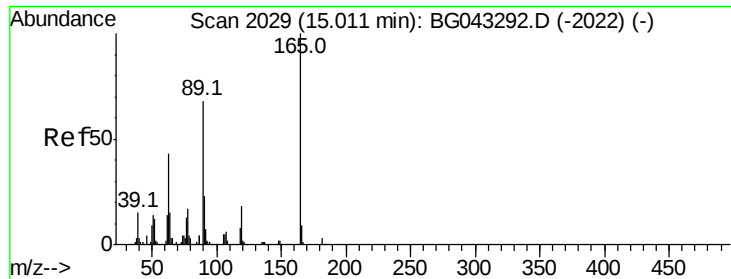
#54
2,4-Dinitrophenol
Concen: 7.344 ng
RT: 14.33 min Scan# 1914
Delta R.T. -0.43 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 51.3 76.9#
154 0.0 55.4 83.0#



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

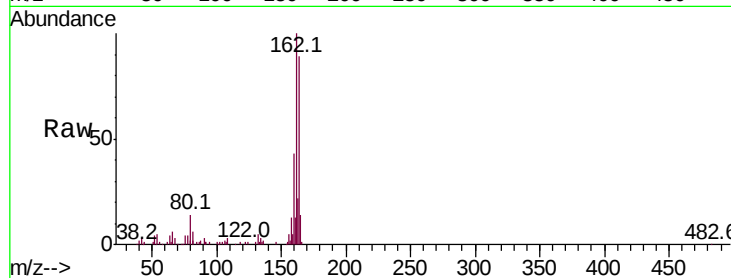




#57
 2,4-Dinitrotoluene
 Concen: 5.928 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.38 min
 Lab File: BG043689.D
 Acq: 19 Nov 2019 1:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#



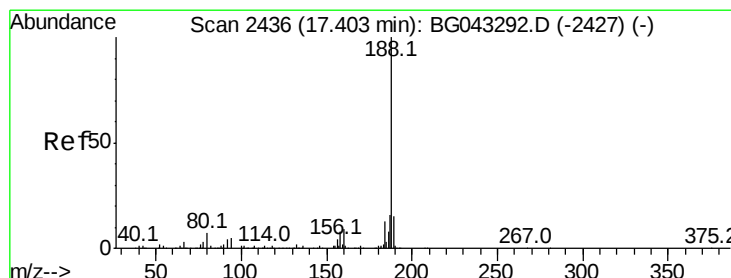
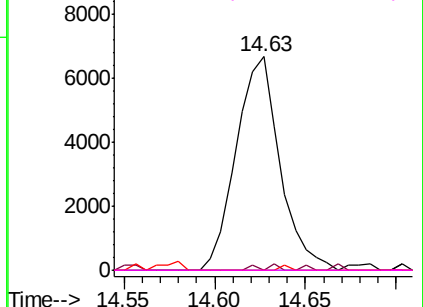
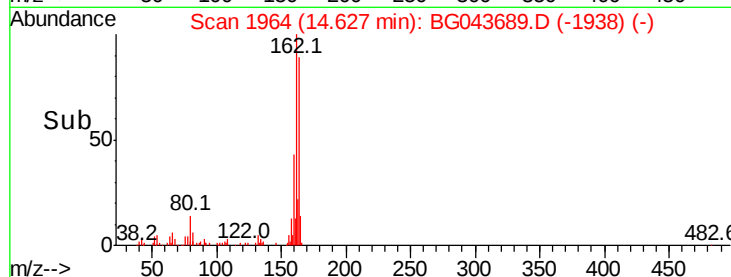
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

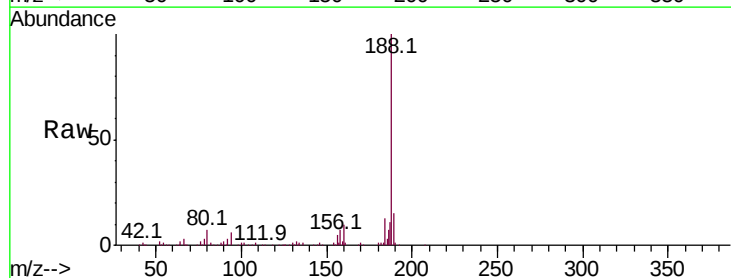
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BG043689.D
 Acq: 19 Nov 2019 1:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	4.2	6.4
80	6.6	4.5	6.7

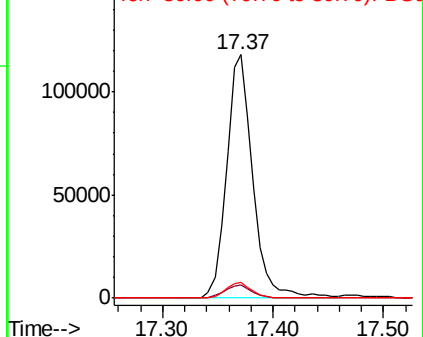
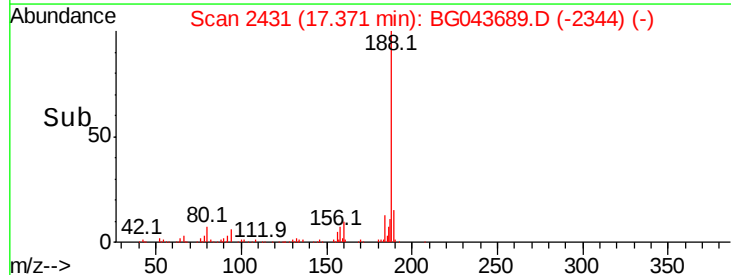


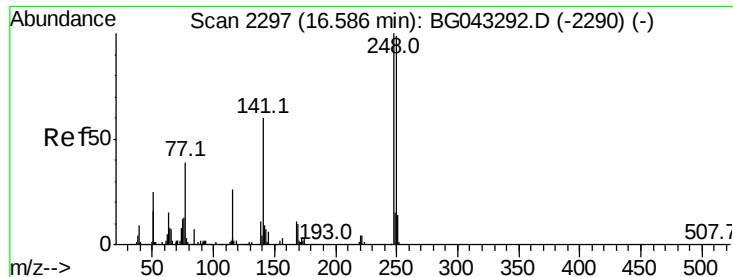
Abundance

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

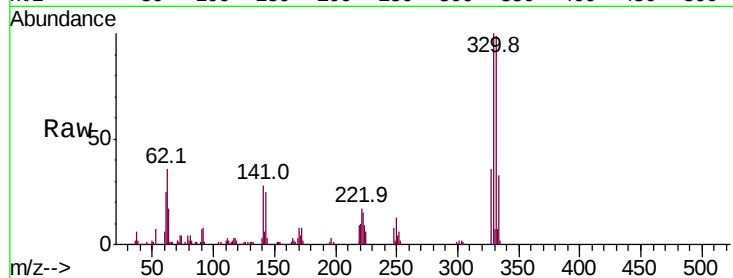




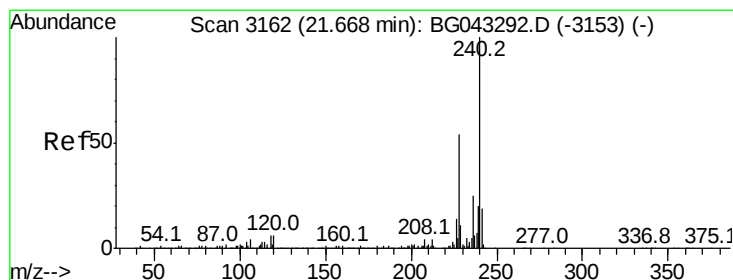
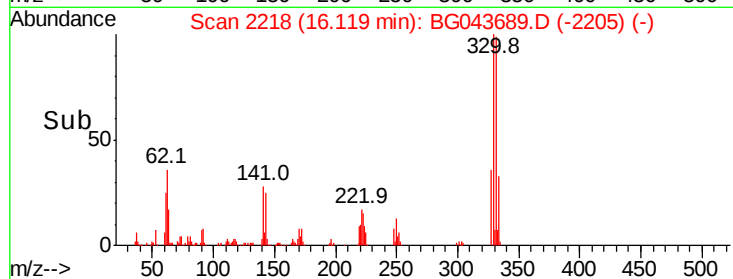
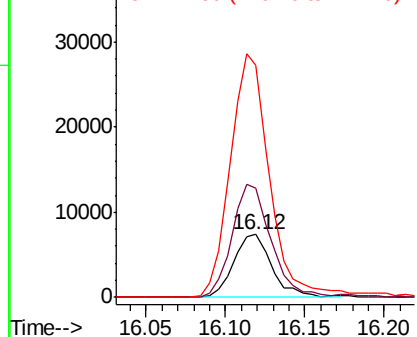
#67
4-Bromophenyl-phenylether
Concen: 4.646 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12234
Ion Ratio Lower Upper
248 100
250 174.5 77.0 115.4#
141 370.3 47.5 71.3#

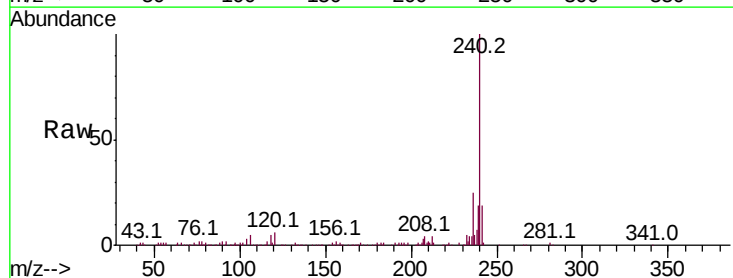


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

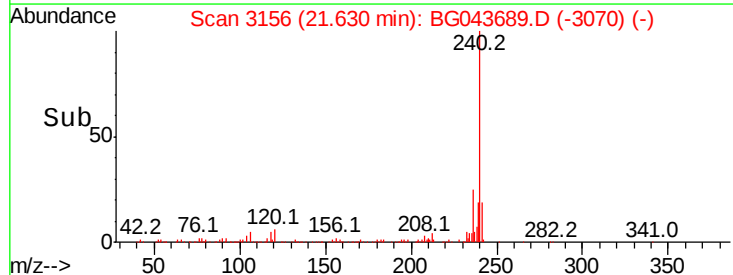
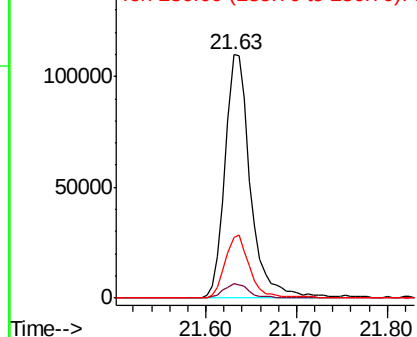


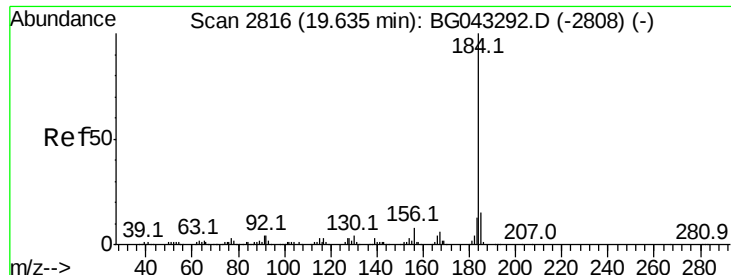
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.03 min
Lab File: BG043689.D
Acq: 19 Nov 2019 1:28

Tgt Ion:240 Resp: 213971
Ion Ratio Lower Upper
240 100
120 5.7 4.6 6.8
236 25.1 19.8 29.8



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





#77

Benzidine

Concen: 3.162 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.36 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

Instrument :

BNA_G

ClientSampleId :

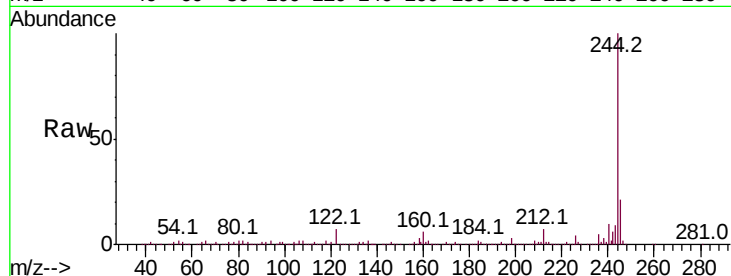
Tot Ion:184 Resp: 13616

Ion Ratio Lower Upper

184 100

185 30.9 11.0 16.4#

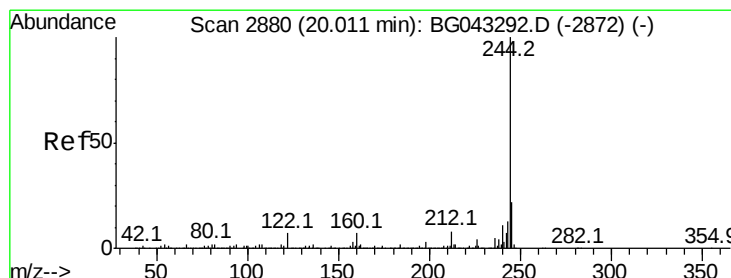
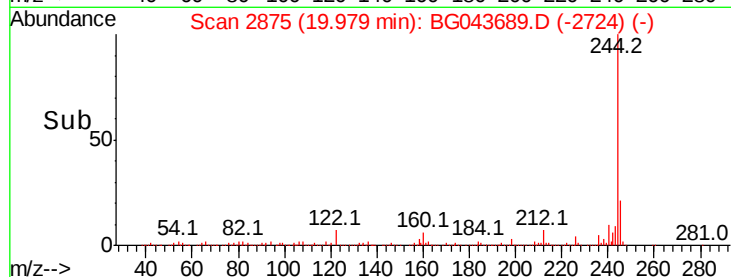
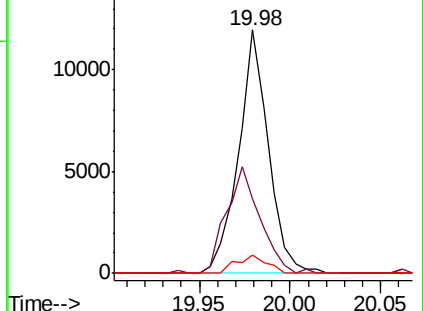
183 7.4 10.0 15.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 79.814 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.02 min

Lab File: BG043689.D

Acq: 19 Nov 2019 1:28

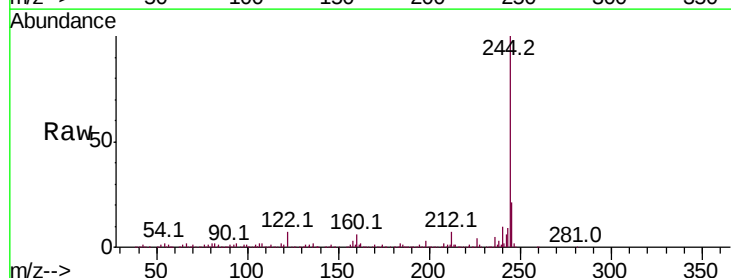
Tgt Ion:244 Resp: 910302

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

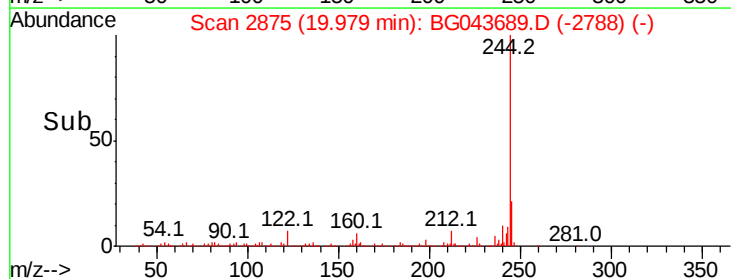
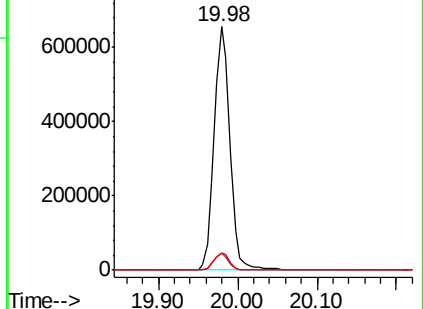
122 6.9 5.4 8.2

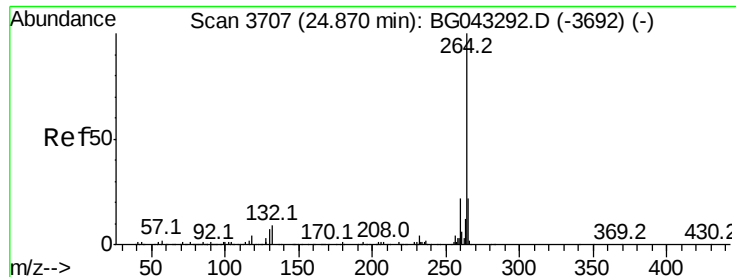


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

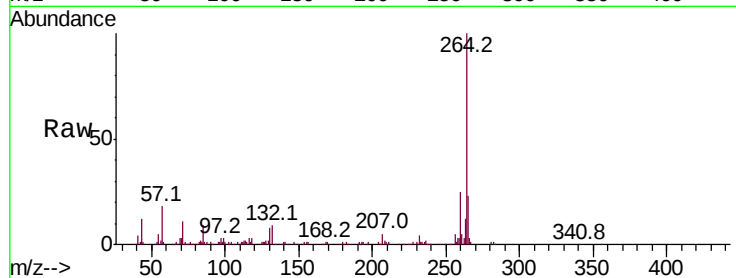




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3698
 Delta R.T. -0.04 min
 Lab File: BG043689.D
 Acq: 19 Nov 2019 1:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.5	17.5	26.3	
265	22.8	17.4	26.0	



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

