

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042903.D
 Acq On : 18 Sep 2019 20:44
 Operator : HP/JU
 Sample : K4944-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:14:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	53543	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	211752	20.00	ng	-0.03
39) Acenaphthene-d10	14.71	164	160294	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	375238	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	369355	20.00	ng	-0.03
87) Perylene-d12	24.98	264	372193	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	389254	126.39	ng	0.00
7) Phenol-d6	7.27	99	533800	120.76	ng	0.00
23) Nitrobenzene-d5	9.26	82	446883	109.87	ng	-0.02
42) 2,4,6-Tribromophenol	16.20	330	252524	118.41	ng	-0.02
45) 2-Fluorobiphenyl	13.34	172	1060541	104.73	ng	-0.03
79) Terphenyl-d14	20.07	244	1828306	109.71	ng	-0.03

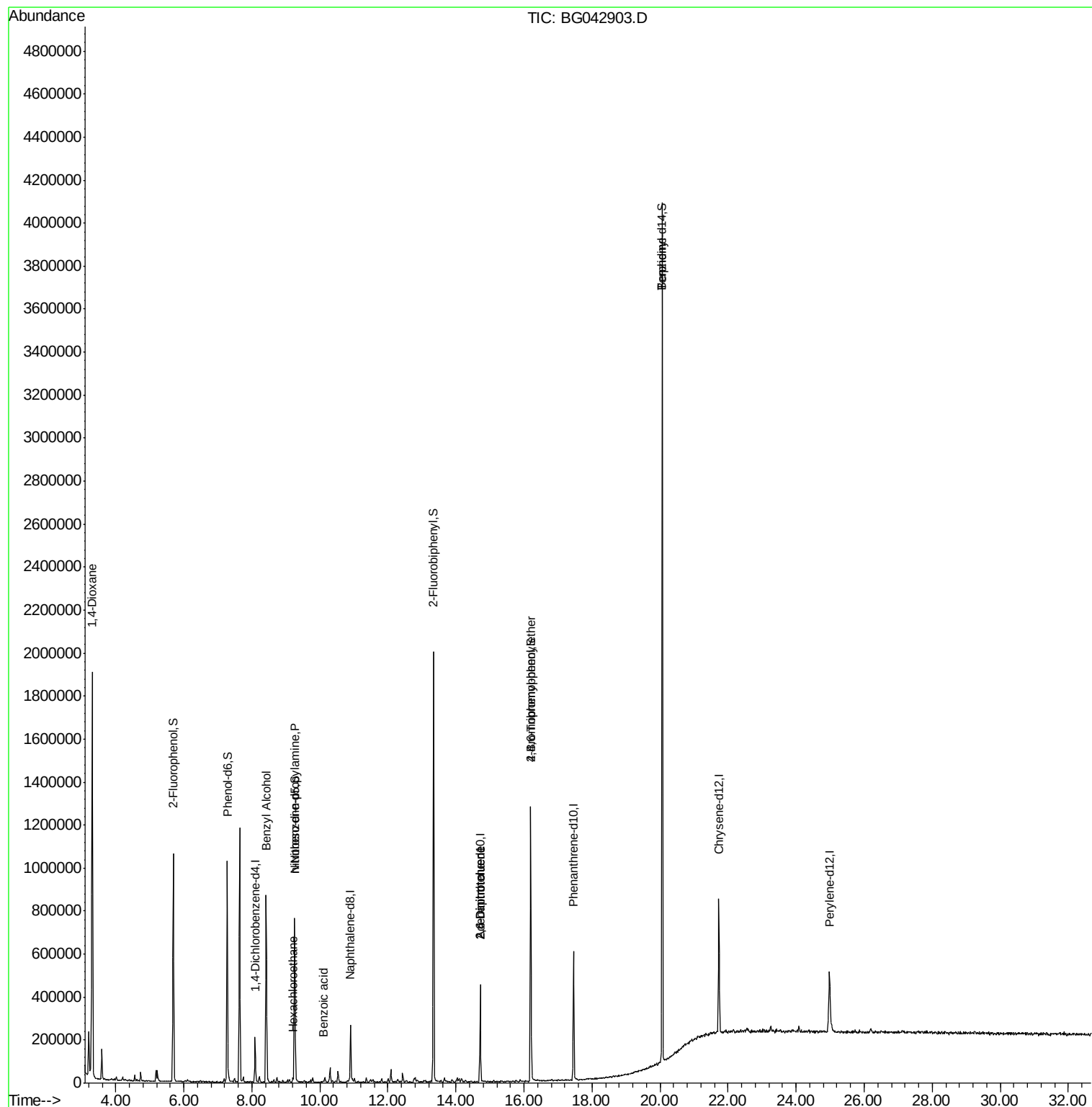
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	15370	10.935	ng	# 1
15) Benzyl Alcohol	8.42	79	8765	2.310	ng	# 52
18) Hexachloroethane	9.21	117	3220	2.145	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	63563	19.514	ng	# 75
32) Benzoic acid	10.12	122	81	5.994	ng	# 87
51) 2,6-Dinitrotoluene	14.71	165	22726	9.223	ng	# 20
57) 2,4-Dinitrotoluene	14.71	165	22726	6.920	ng	# 24
67) 4-Bromophenyl-phenylether	16.20	248	16700	3.677	ng	# 1
77) Benzidine	20.07	184	34821	3.374	ng	# 93

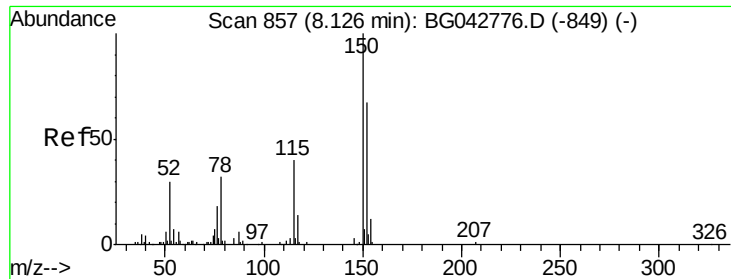
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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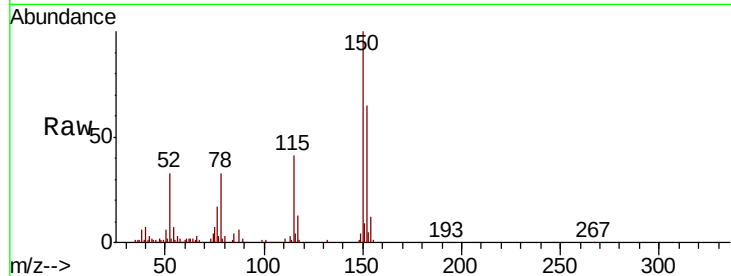


#1

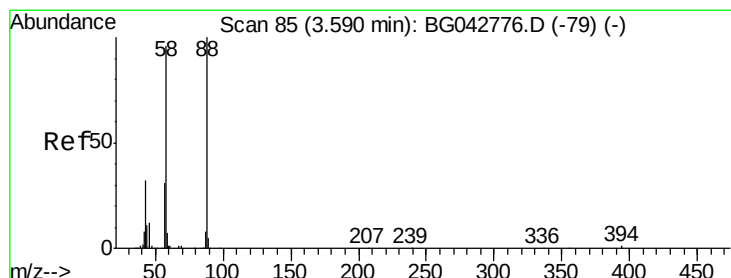
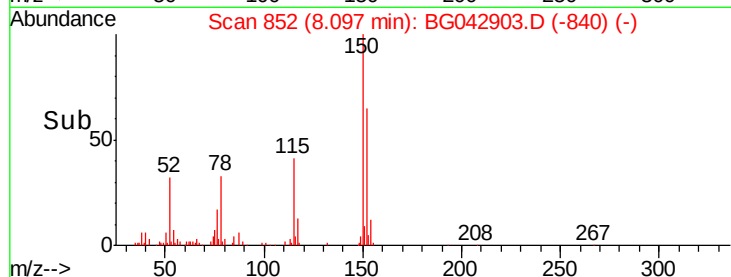
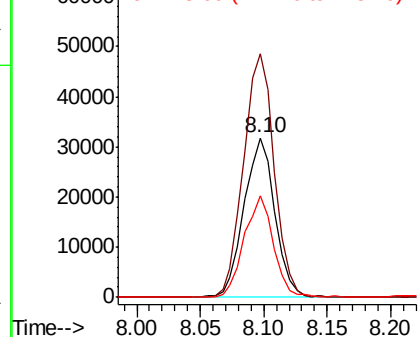
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 852
Delta R.T. -0.03 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53543
Ion Ratio Lower Upper
152 100
150 152.9 118.9 178.3
115 63.4 47.4 71.2



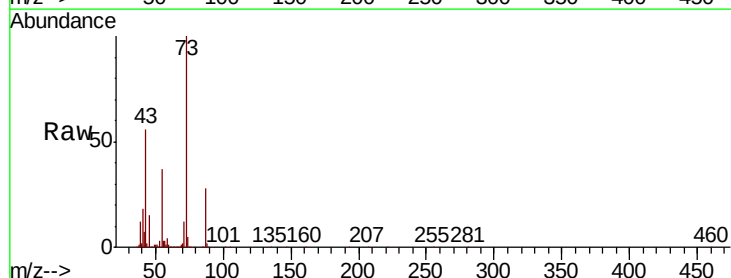
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



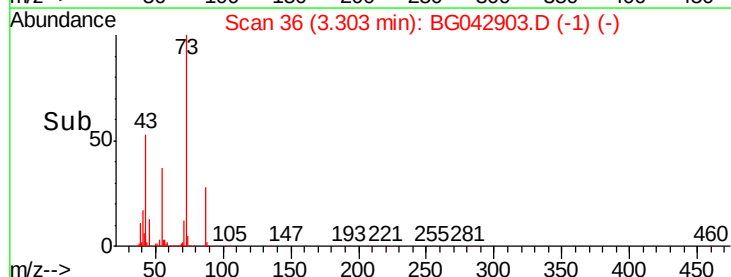
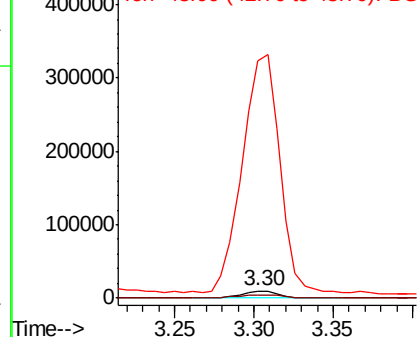
#2

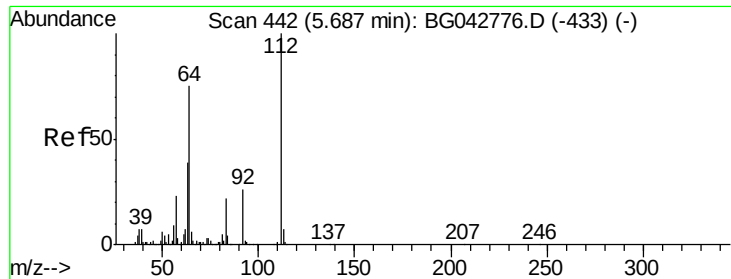
1,4-Dioxane
Concen: 10.935 ng
RT: 3.30 min Scan# 36
Delta R.T. -0.29 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Tgt Ion: 88 Resp: 15370
Ion Ratio Lower Upper
88 100
58 51.7 79.1 118.7#
43 3533.8 30.4 45.6#



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: 126.391 ng

RT: 5.69 min Scan# 442

Delta R.T. 0.00 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

Instrument :

BNA_G

ClientSampleId :

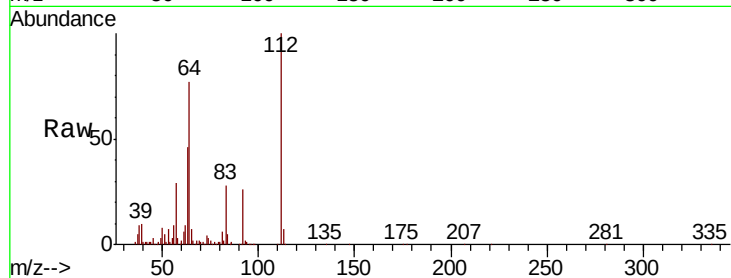
Tot Ion:112 Resp: 389254

Ion Ratio Lower Upper

112 100

64 76.9 60.2 90.2

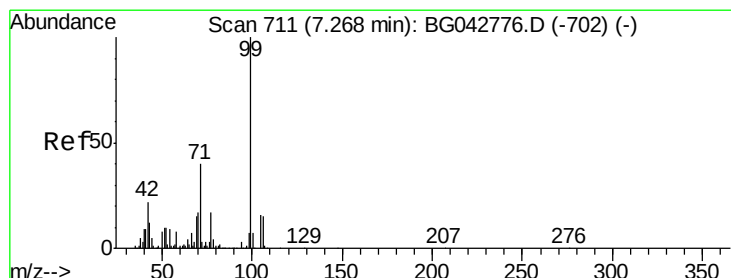
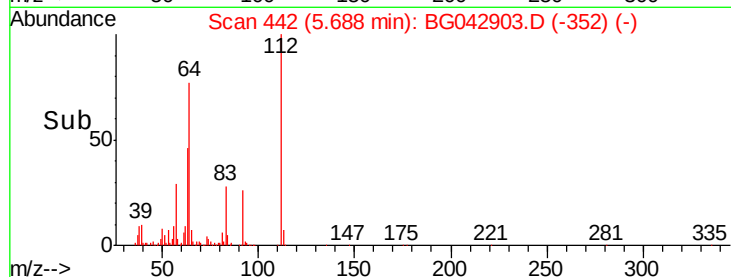
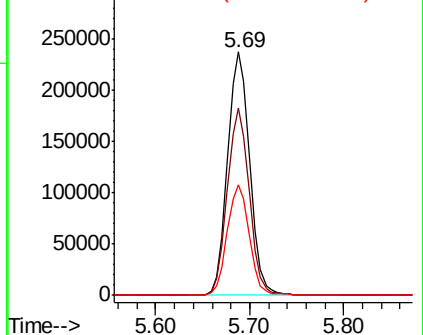
63 45.5 31.2 46.8



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: 120.756 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.01 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

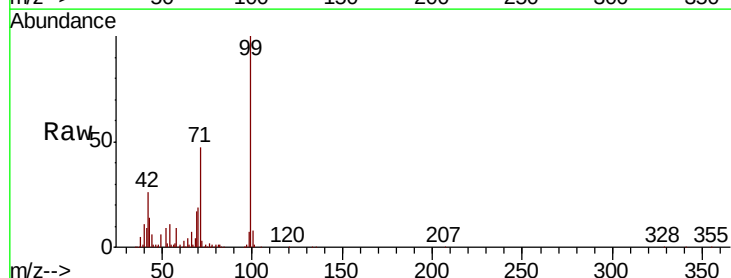
Tgt Ion: 99 Resp: 533800

Ion Ratio Lower Upper

99 100

42 25.9 17.5 26.3

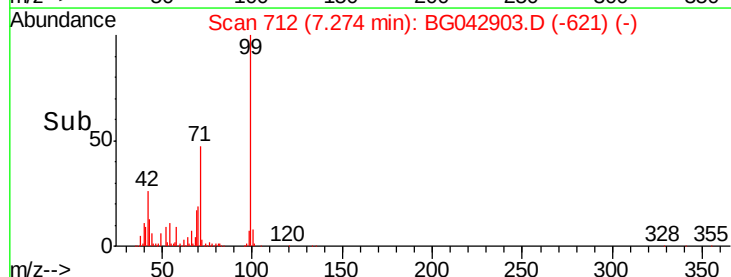
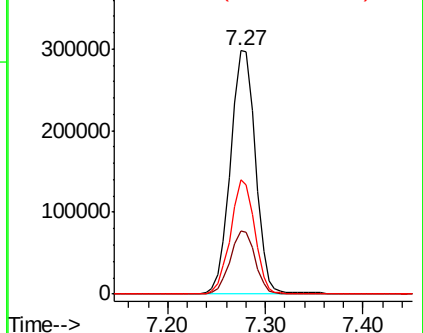
71 46.9 32.0 48.0

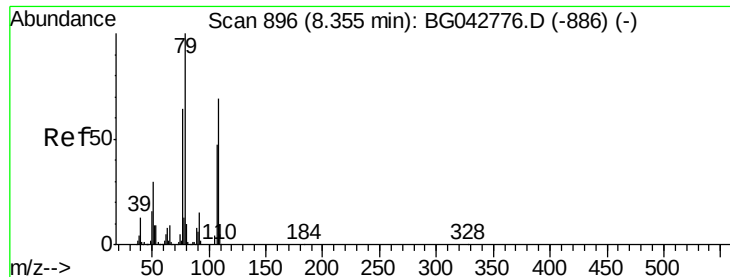


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.310 ng

RT: 8.42 min Scan# 907

Delta R.T. 0.07 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

Instrument :

BNA_G

ClientSampled :

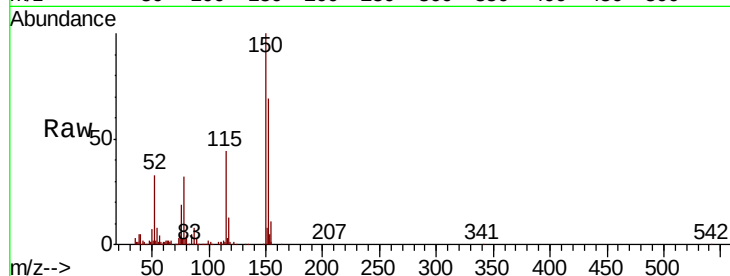
Tot Ion: 79 Resp: 8765

Ion Ratio Lower Upper

79 100

108 31.8 54.9 82.3#

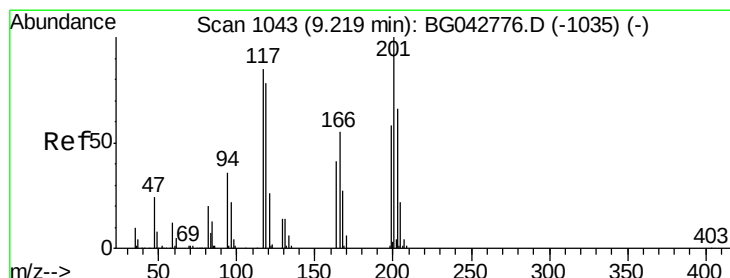
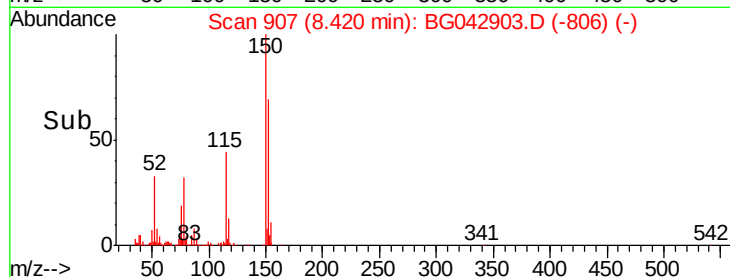
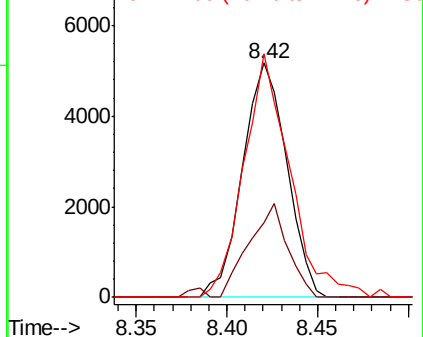
77 103.8 51.0 76.6#



Abundance Ion 79.00 (78.70 to 79.70): BG042776.D (-886) (-)

Ion 108.00 (107.70 to 108.70): BG042903.D (-953) (-)

Ion 77.00 (76.70 to 77.70): BG042903.D (-953) (-)



#18

Hexachloroethane

Concen: 2.145 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

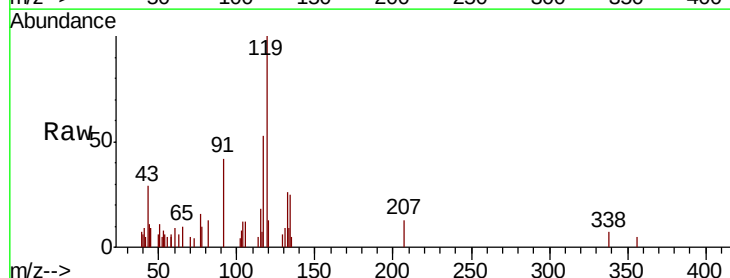
Tgt Ion: 117 Resp: 3220

Ion Ratio Lower Upper

117 100

119 189.0 73.8 110.8#

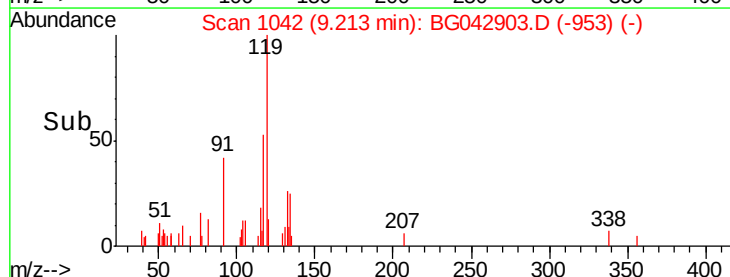
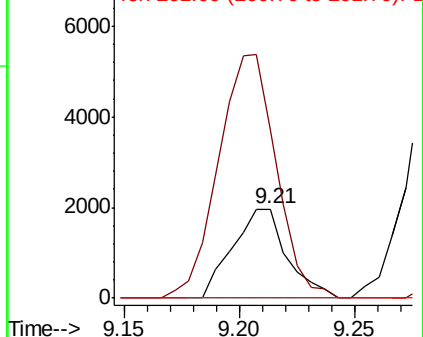
201 0.0 94.6 142.0#

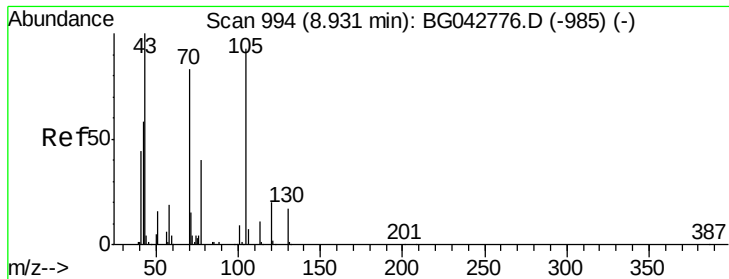


Abundance Ion 117.00 (116.70 to 117.70): BG042776.D (-1035) (-)

Ion 119.00 (118.70 to 119.70): BG042903.D (-953) (-)

Ion 201.00 (200.70 to 201.70): BG042903.D (-953) (-)

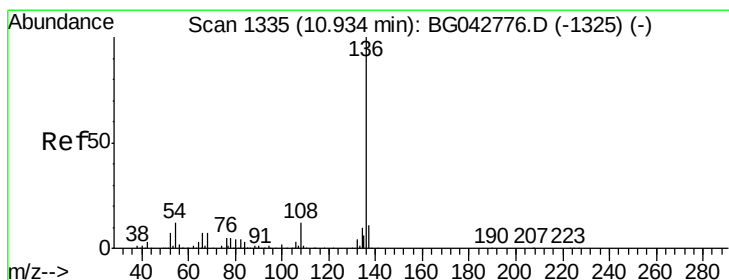
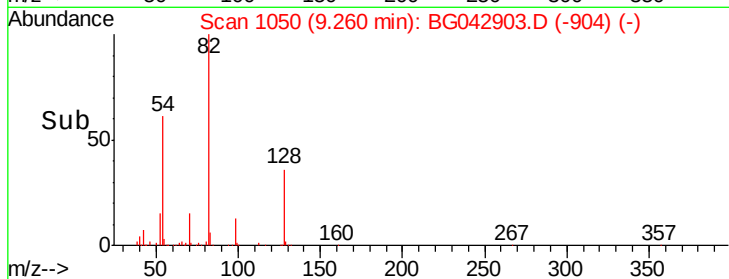
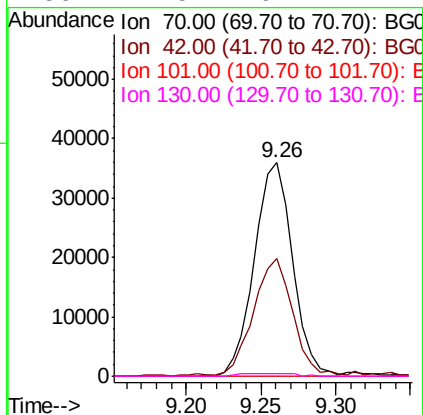
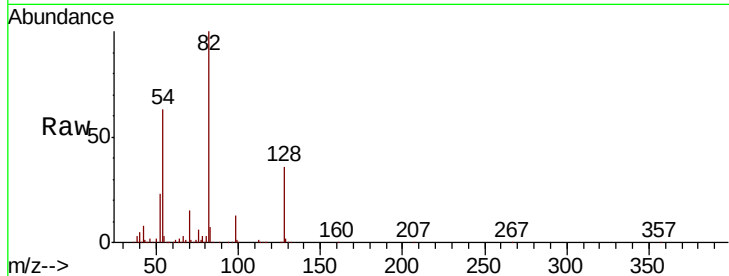




#19
n-Nitroso-di-n-propylamine
Concen: 19.514 ng
RT: 9.26 min Scan# 1050
Delta R.T. 0.33 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

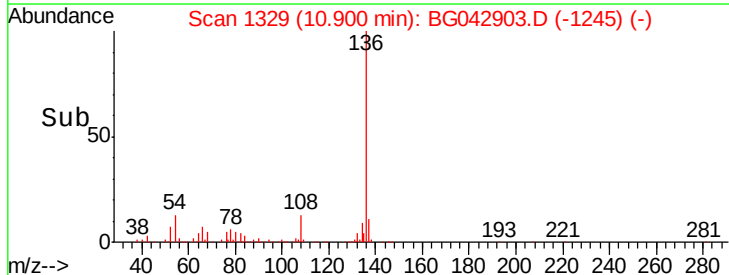
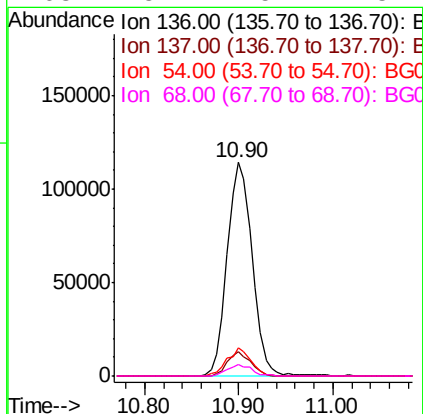
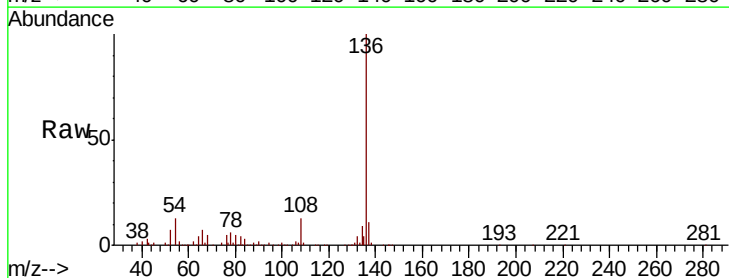
Instrument :
BNA_G
ClientSampled :

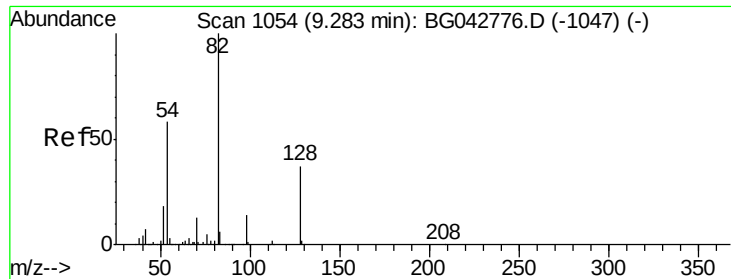
Tot Ion: 70 Resp: 63563
Ion Ratio Lower Upper
70 100
42 55.0 57.0 85.6#
101 0.0 8.4 12.6#
130 1.5 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.03 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Tgt Ion: 136 Resp: 211752
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 13.1 9.4 14.0
68 5.2 5.4 8.2#

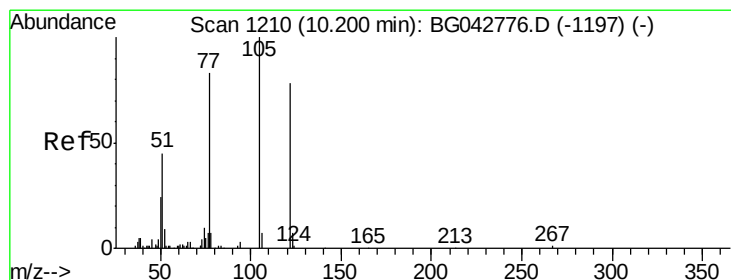
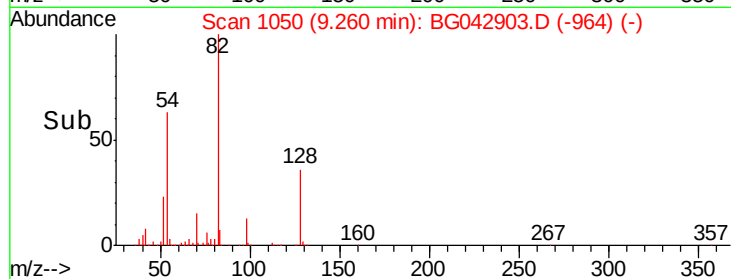
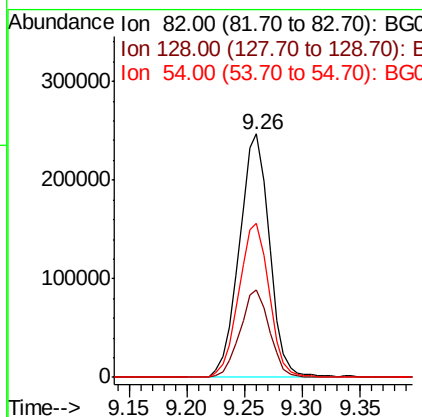
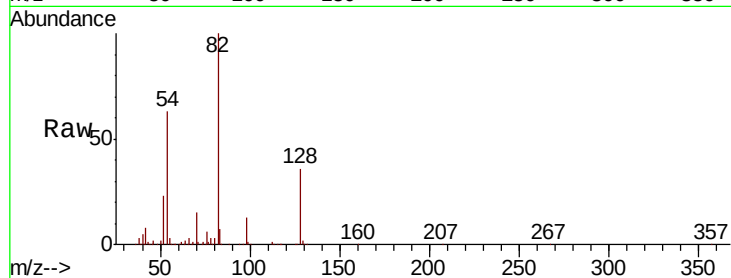




#23
 Nitrobenzene-d5
 Concen: 109.873 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.02 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

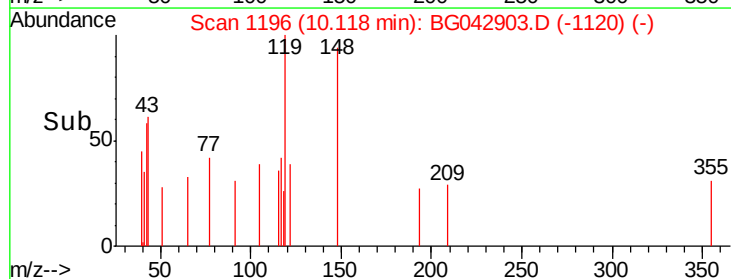
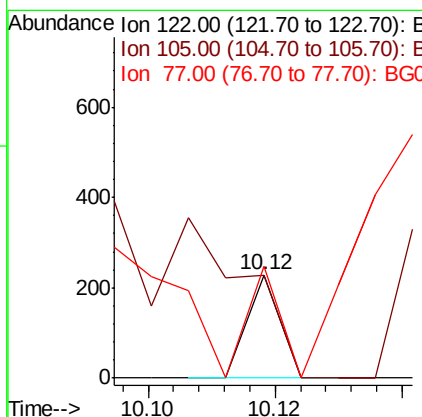
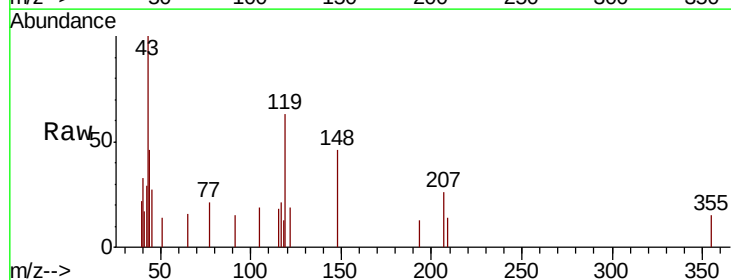
Instrument :
 BNA_G
 ClientSampleId :

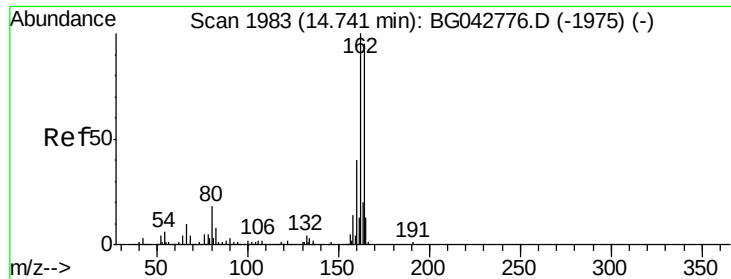
Tot Ion	82	Resp	446883
Ion Ratio	Lower	Upper	
82	100		
128	35.9	29.8	44.8
54	63.1	46.1	69.1



#32
 Benzoic acid
 Concen: 5.994 ng
 RT: 10.12 min Scan# 1196
 Delta R.T. -0.08 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

Tgt Ion	122	Resp	81
Ion Ratio	Lower	Upper	
122	100		
105	100.0	104.0	144.0#
77	108.3	84.2	124.2

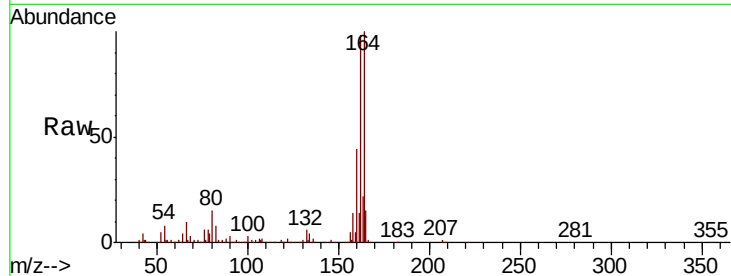




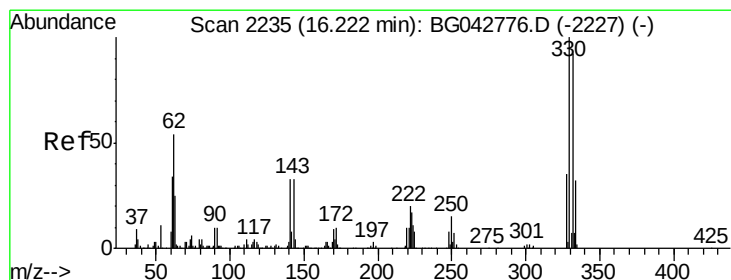
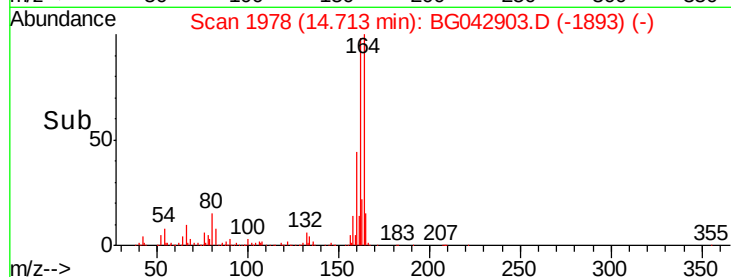
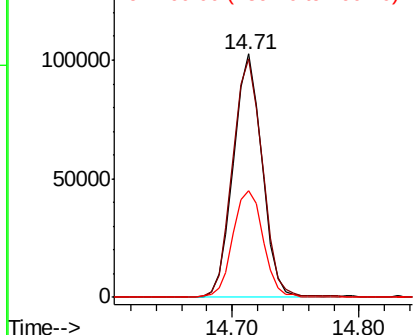
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.03 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:164 Resp: 160294
Ion Ratio Lower Upper
164 100
162 97.9 84.6 126.8
160 43.7 34.2 51.2

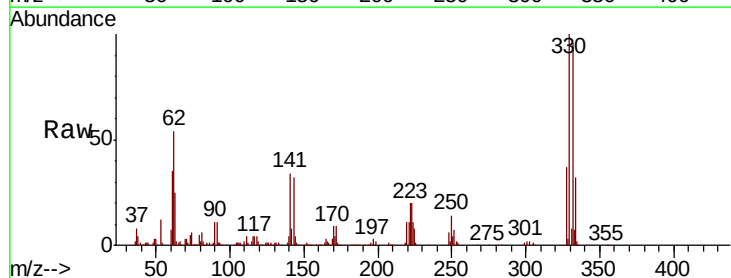


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

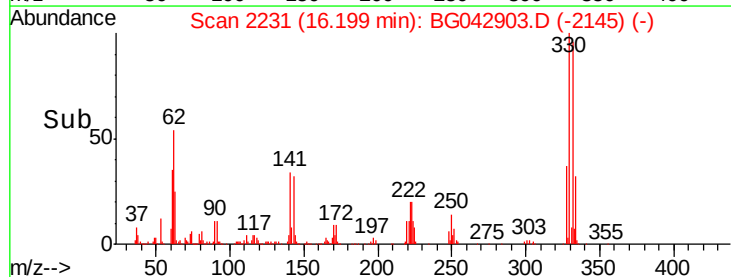
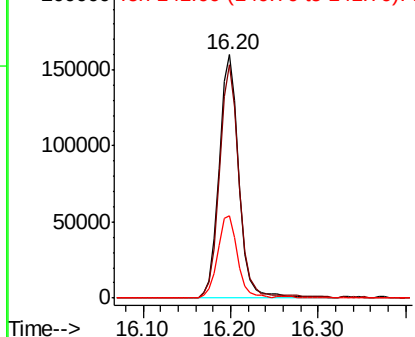


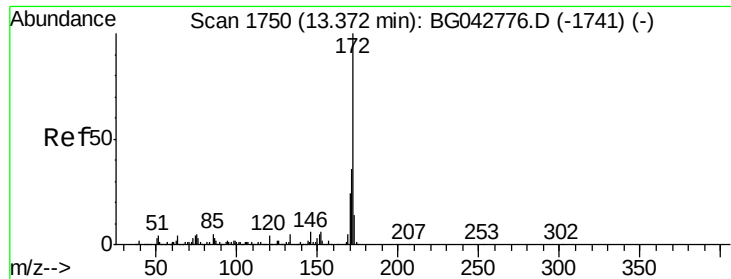
#42
2,4,6-Tribromophenol
Concen: 118.412 ng
RT: 16.20 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Tgt Ion:330 Resp: 252524
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 33.8 27.0 40.6



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

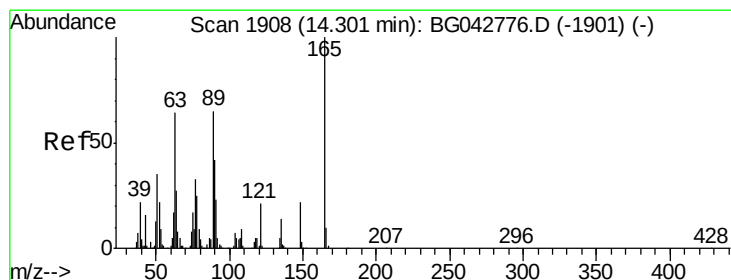
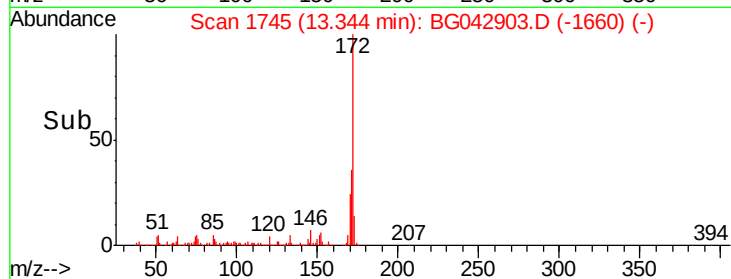
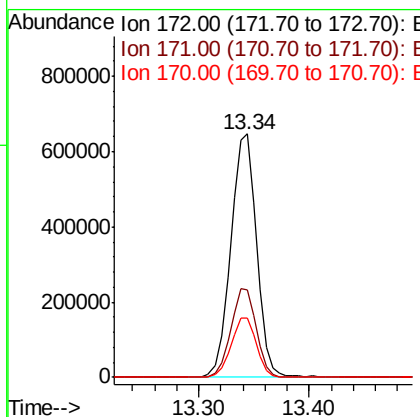
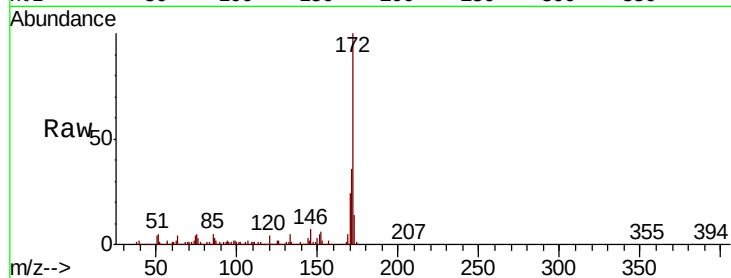




#45
 2-Fluorobiphenyl
 Concen: 104.730 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

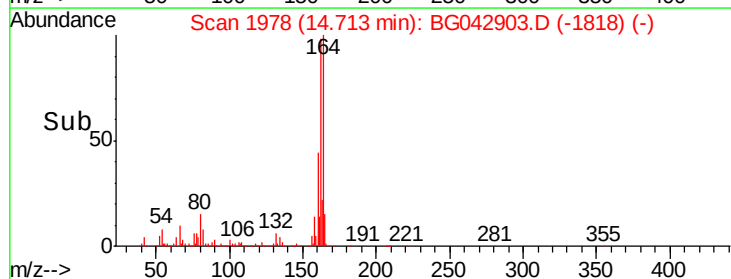
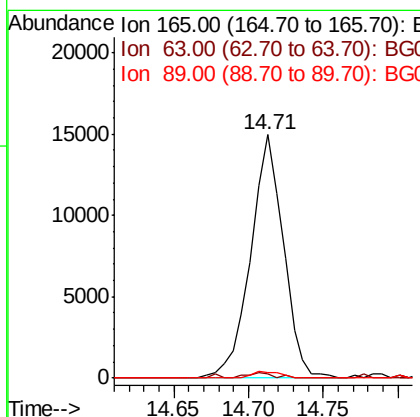
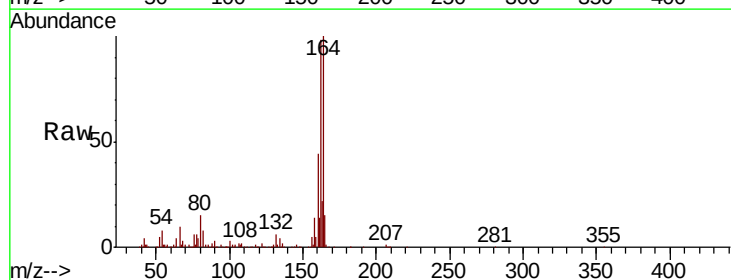
Instrument :
 BNA_G
 ClientSampleId :

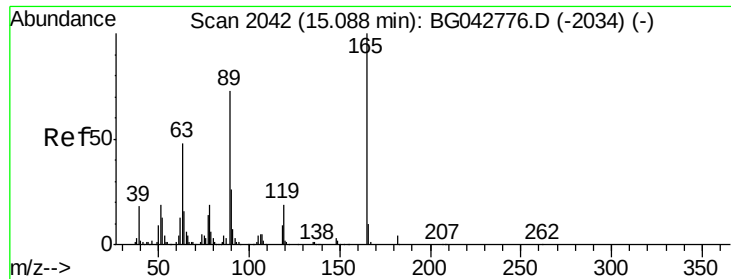
Tot Ion:172 Resp: 1060541
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.9 43.3
 170 24.1 19.1 28.7



#51
 2,6-Dinitrotoluene
 Concen: 9.223 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. 0.41 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

Tgt Ion:165 Resp: 22726
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.1 78.1#
 89 2.5 51.7 77.5#

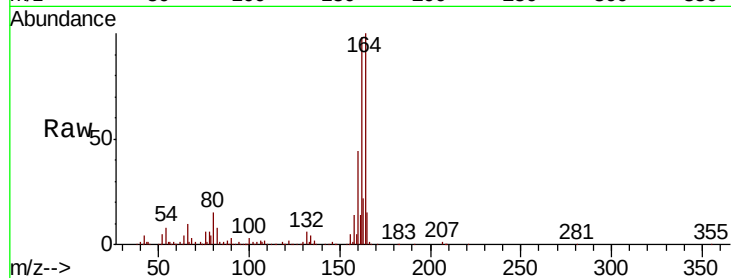




#57
 2,4-Dinitrotoluene
 Concen: 6.920 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.38 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	38.3	57.5#
89	2.5	58.4	87.6#
182	3.0	2.9	4.3

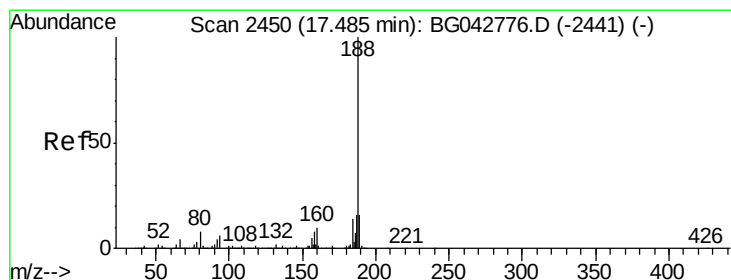
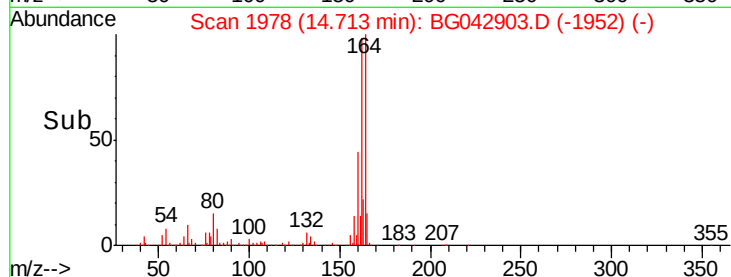
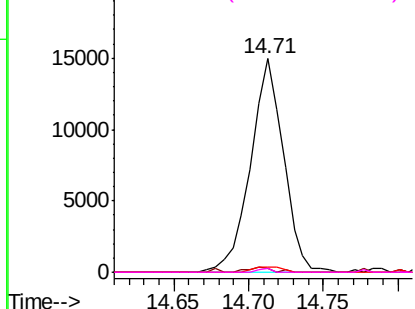


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

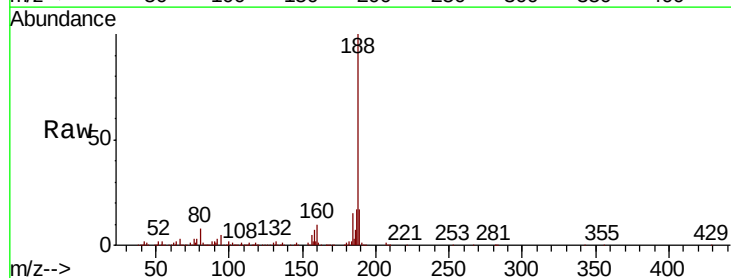
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2445
 Delta R.T. -0.03 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

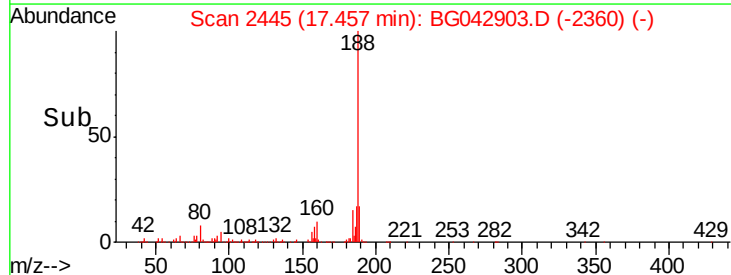
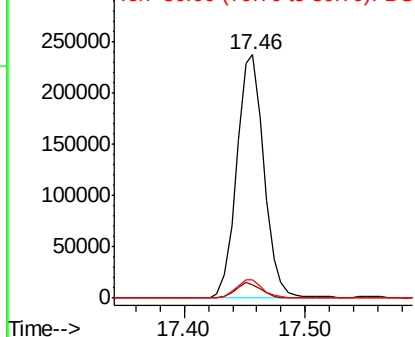
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	4.8	7.2
80	7.8	6.6	9.8

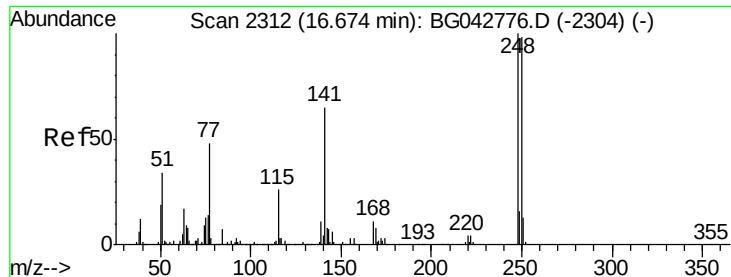


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

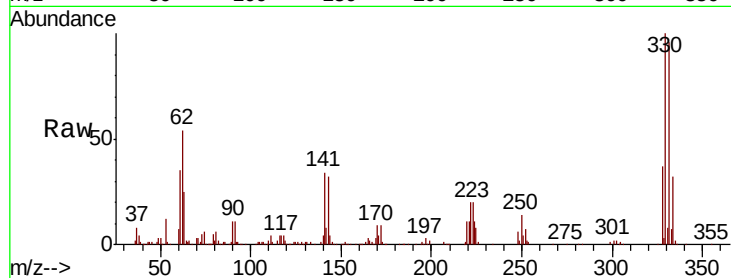




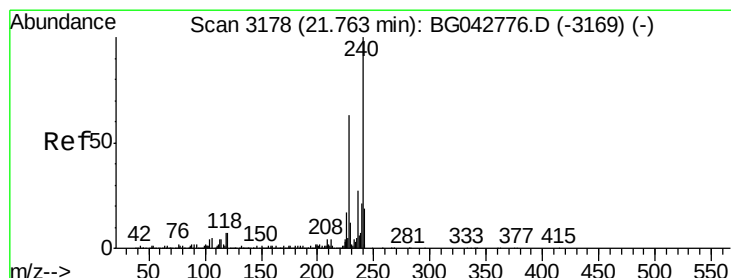
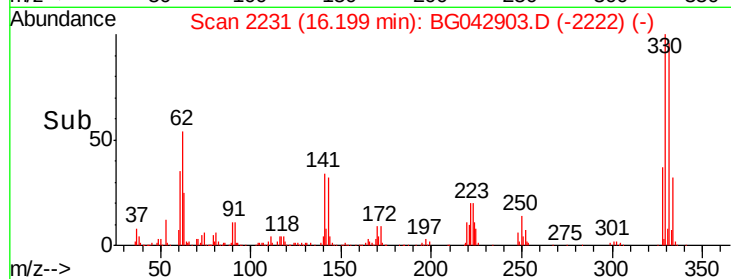
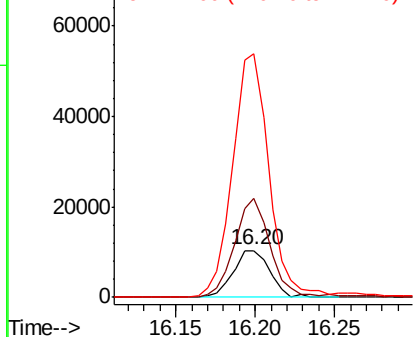
#67
 4-Bromophenyl-phenylether
 Concen: 3.677 ng
 RT: 16.20 min Scan# 2231
 Delta R.T. -0.48 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16700
 Ion Ratio Lower Upper
 248 100
 250 211.2 78.0 117.0#
 141 518.7 51.8 77.6#

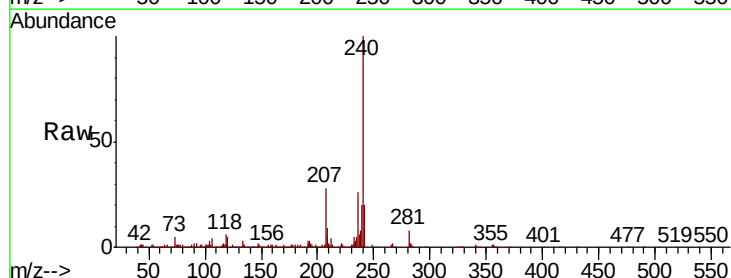


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

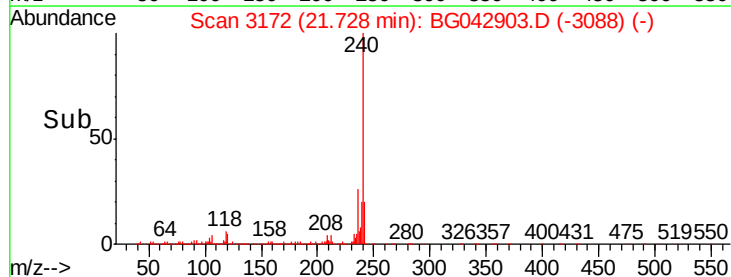
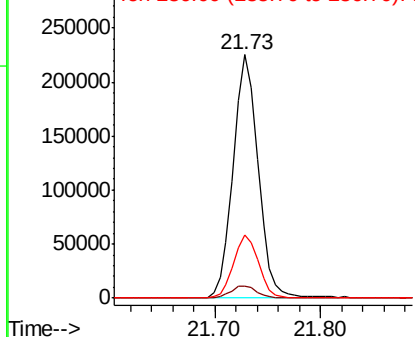


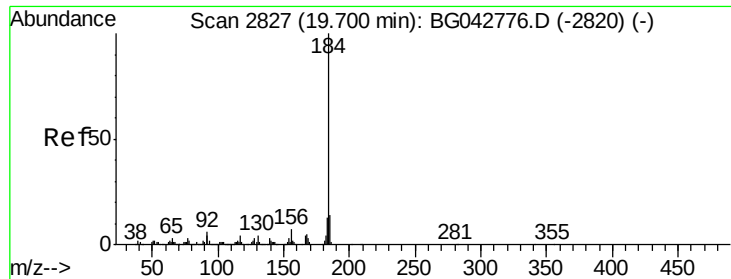
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.03 min
 Lab File: BG042903.D
 Acq: 18 Sep 2019 20:44

Tgt Ion:240 Resp: 369355
 Ion Ratio Lower Upper
 240 100
 120 5.1 5.4 8.2#
 236 25.7 21.7 32.5



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: 3.374 ng

RT: 20.07 min Scan# 2889

Delta R.T. 0.36 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

Instrument :

BNA_G

ClientSampleId :

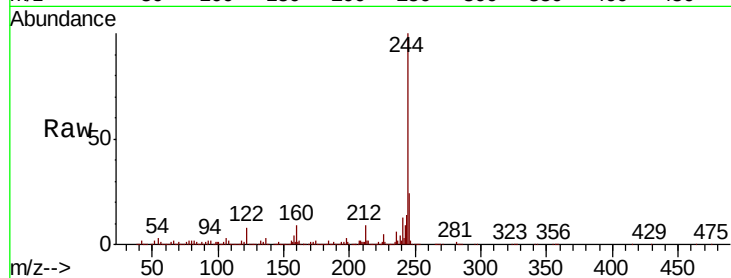
Tot Ion:184 Resp: 34821

Ion Ratio Lower Upper

184 100

185 16.1 11.6 17.4

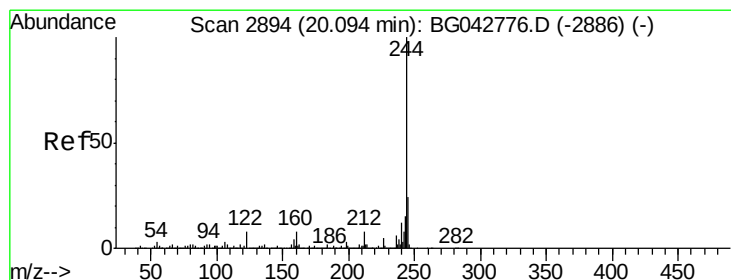
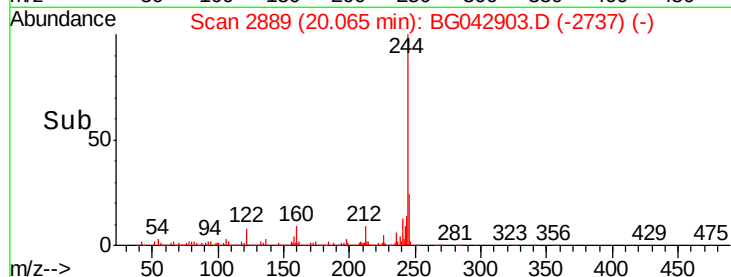
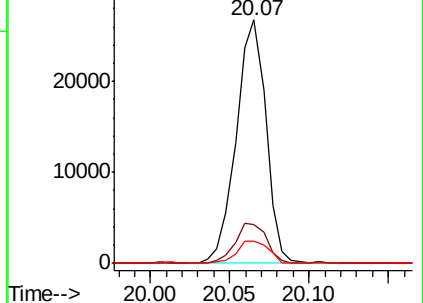
183 8.9 10.4 15.6#



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: 109.706 ng

RT: 20.07 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BG042903.D

Acq: 18 Sep 2019 20:44

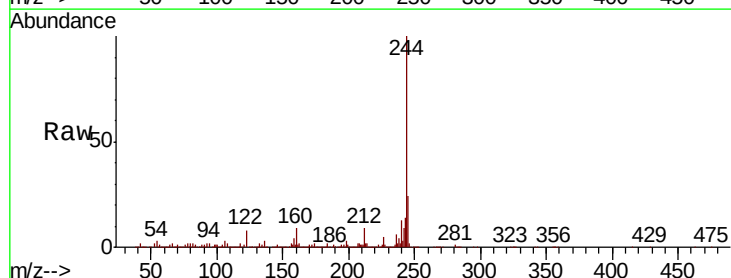
Tgt Ion:244 Resp: 1828306

Ion Ratio Lower Upper

244 100

212 9.2 6.6 10.0

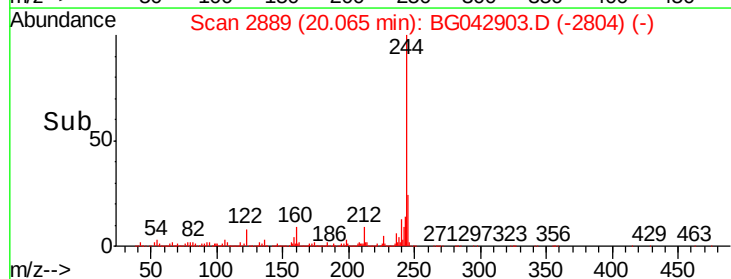
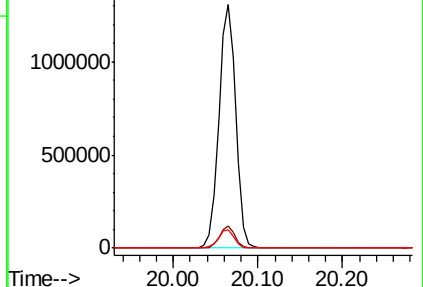
122 7.6 6.2 9.4

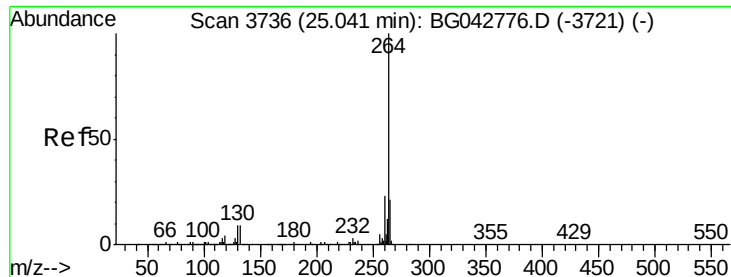


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.98 min Scan# 3725
Delta R.T. -0.06 min
Lab File: BG042903.D
Acq: 18 Sep 2019 20:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	22.4	16.9	25.3

