

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042806.D
 Acq On : 13 Sep 2019 7:41
 Operator : HP/JU
 Sample : K4825-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 08:33:07 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	8.12	152	86523	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	325590	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	218373	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	521219	20.00	ng	0.00
76) Chrysene-d12	21.75	240	536127	20.00	ng	0.00
87) Perylene-d12	25.02	264	580125	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	602864	121.14	ng	0.00
7) Phenol-d6	7.27	99	788982	110.45	ng	0.00
23) Nitrobenzene-d5	9.27	82	634193	101.41	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	418103	143.91	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1343087	97.36	ng	0.00
79) Terphenyl-d14	20.09	244	2335067	96.53	ng	0.00

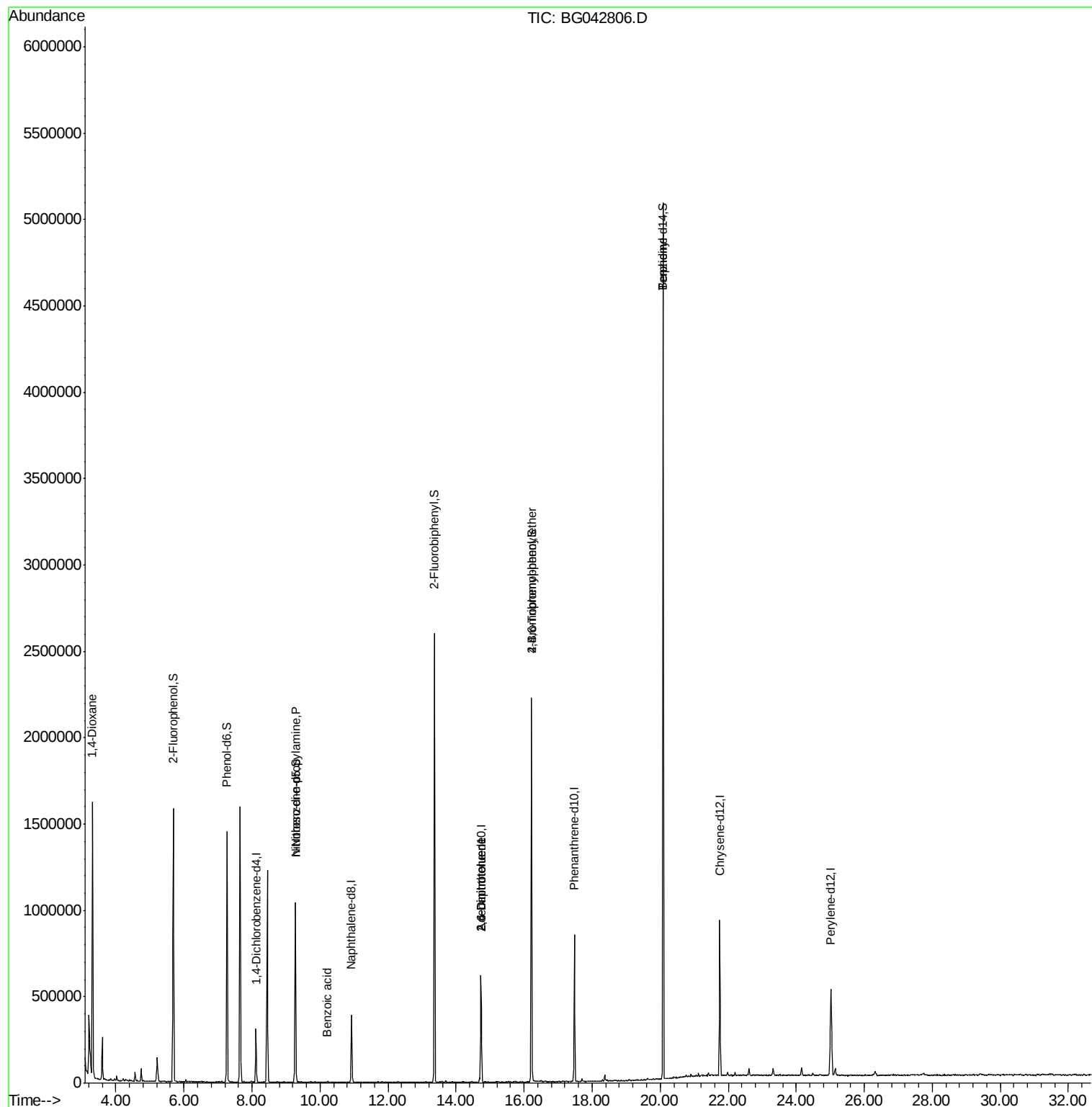
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	13691	6.028	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	90429	17.180	ng	# 68
32) Benzoic acid	10.20	122	156	6.001	ng	# 51
51) 2,6-Dinitrotoluene	14.73	165	30382	9.051	ng	# 19
57) 2,4-Dinitrotoluene	14.73	165	30382	6.791	ng	# 23
67) 4-Bromophenyl-phenylether	16.21	248	30520	4.838	ng	# 1
77) Benzidine	20.09	184	42051	2.807	ng	# 90

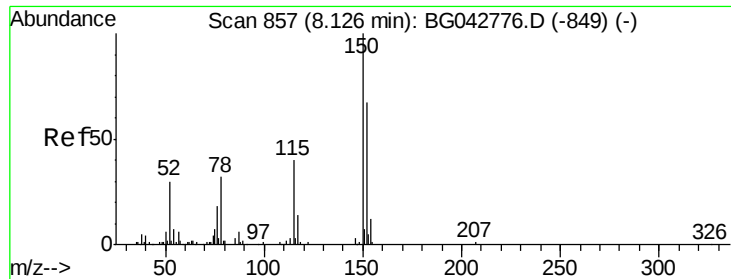
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

Instrument :

BNA_G

ClientSampled :

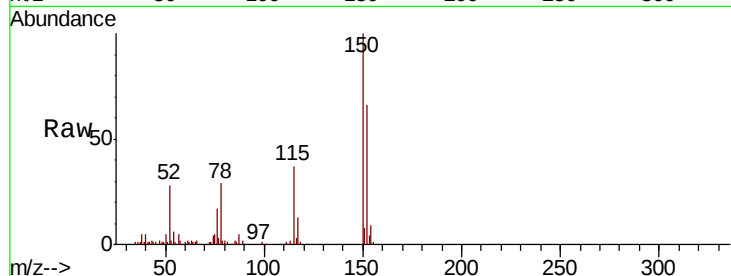
Tot Ion:152 Resp: 86523

Ion Ratio Lower Upper

152 100

150 150.4 118.9 178.3

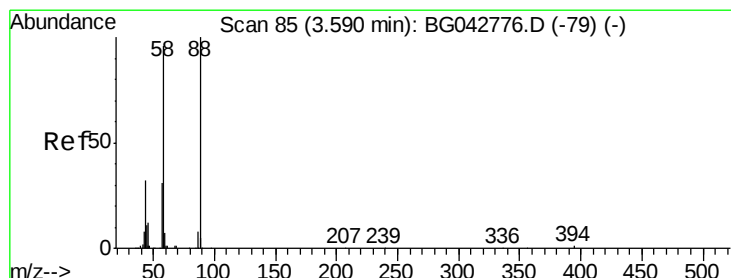
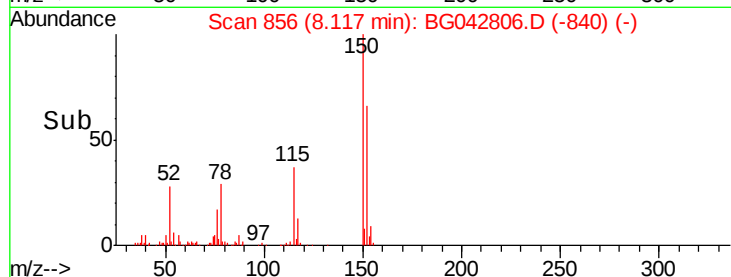
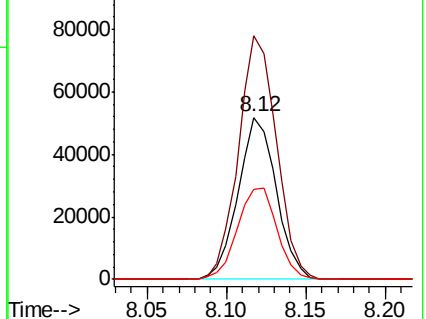
115 55.9 47.4 71.2



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: 6.028 ng

RT: 3.31 min Scan# 38

Delta R.T. -0.28 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

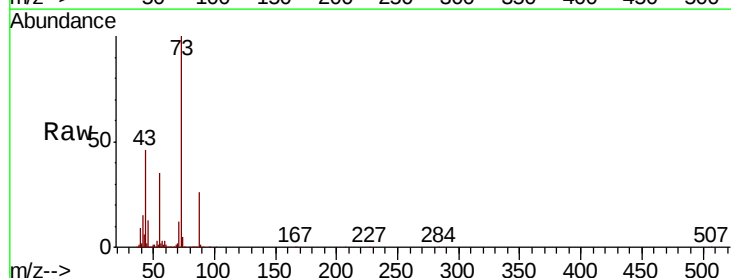
Tgt Ion: 88 Resp: 13691

Ion Ratio Lower Upper

88 100

58 37.9 79.1 118.7#

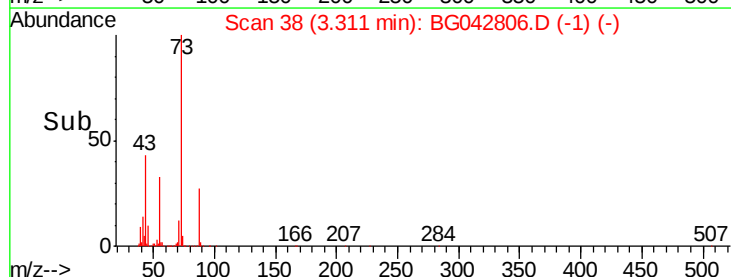
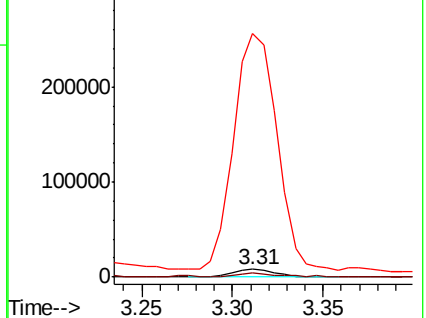
43 3000.8 30.4 45.6#

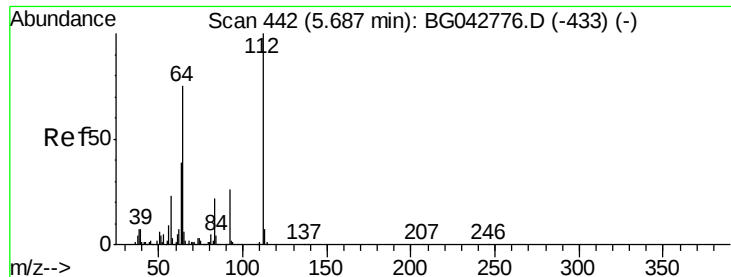


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 121.136 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

Instrument :

BNA_G

ClientSampled :

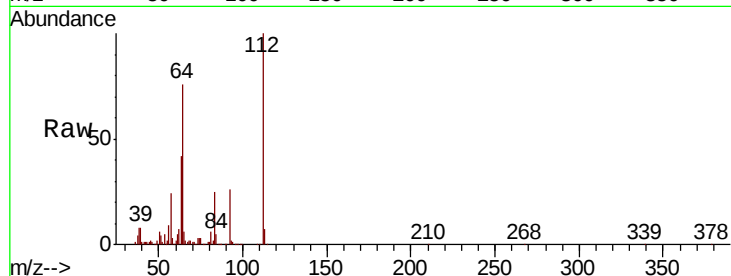
Tot Ion:112 Resp: 602864

Ion Ratio Lower Upper

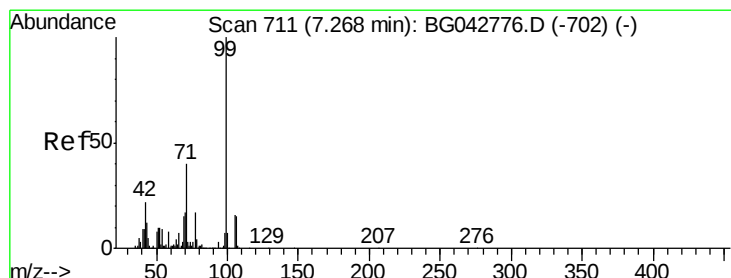
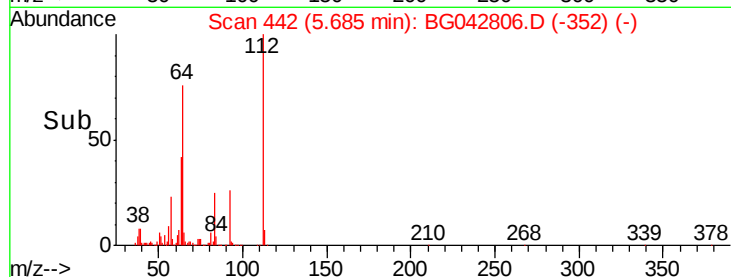
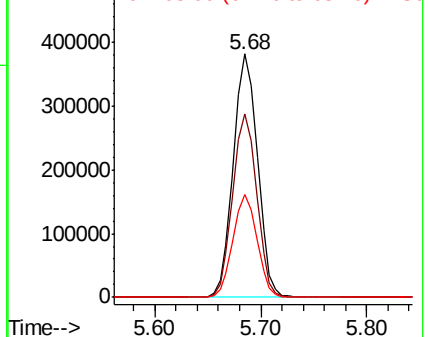
112 100

64 75.5 60.2 90.2

63 42.2 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: 110.451 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

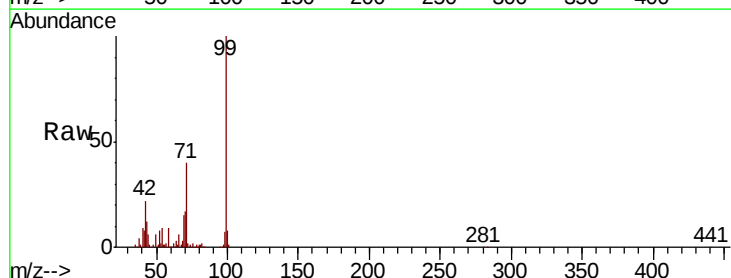
Tgt Ion: 99 Resp: 788982

Ion Ratio Lower Upper

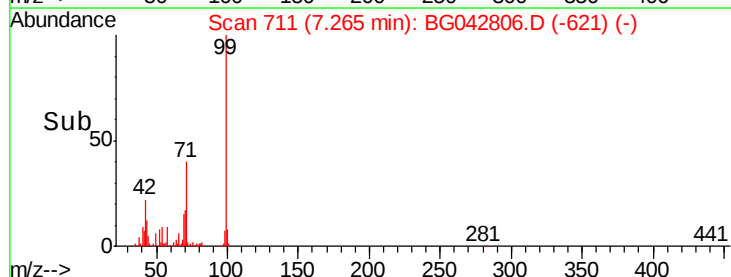
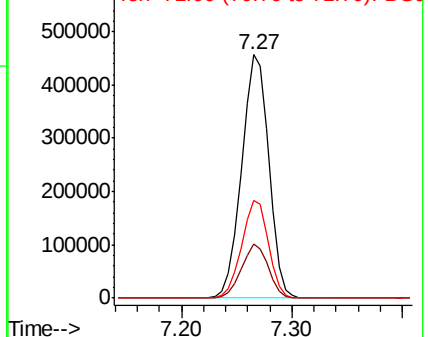
99 100

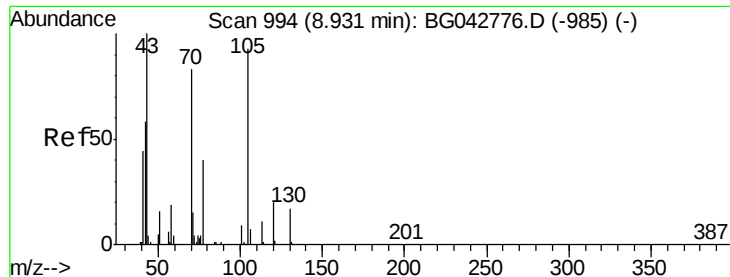
42 22.3 17.5 26.3

71 40.2 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

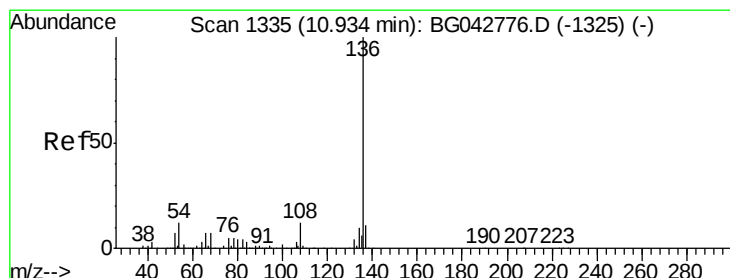
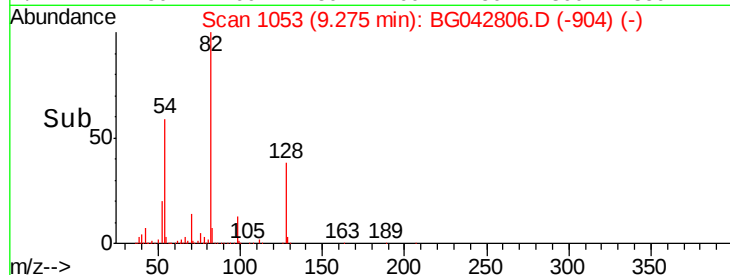
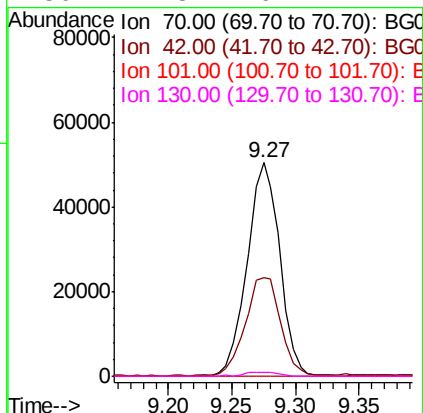
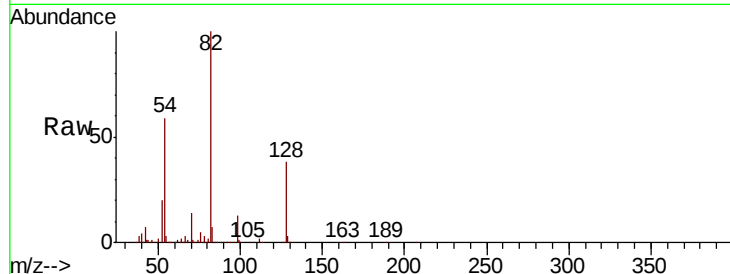




#19
n-Nitroso-di-n-propylamine
Concen: 17.180 ng
RT: 9.27 min Scan# 1053
Delta R.T. 0.34 min
Lab File: BG042806.D
Acq: 13 Sep 2019 7:41

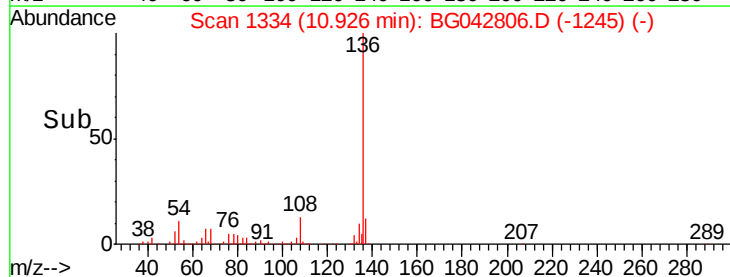
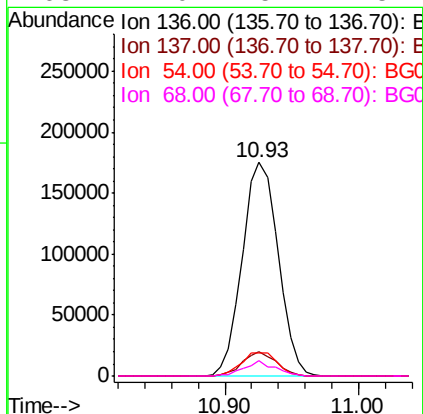
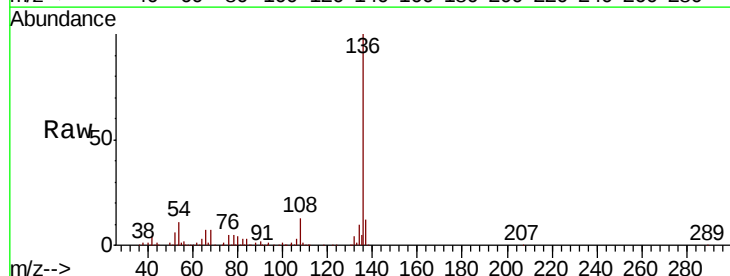
Instrument :
BNA_G
ClientSampleId :

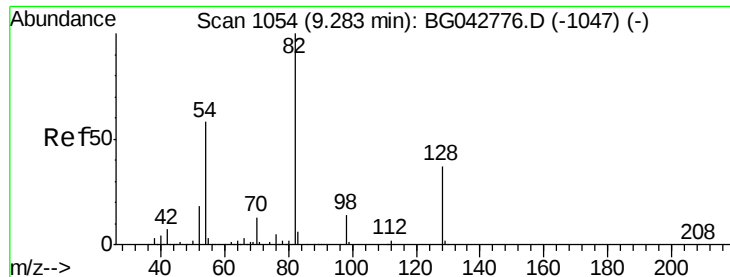
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.3	57.0	85.6#
101	0.0	8.4	12.6#
130	1.8	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042806.D
Acq: 13 Sep 2019 7:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	10.8	9.4	14.0
68	7.0	5.4	8.2

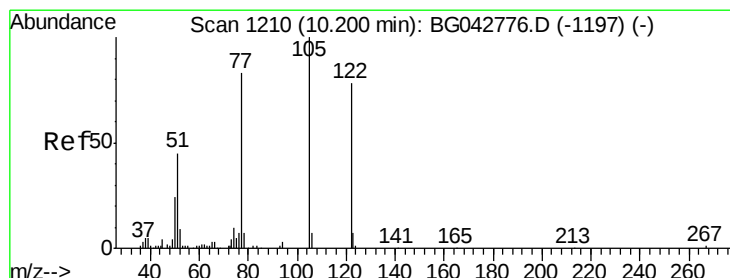
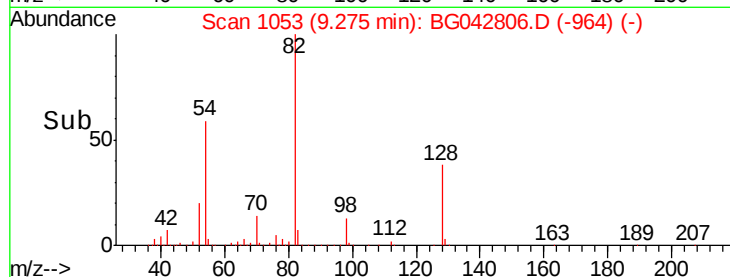
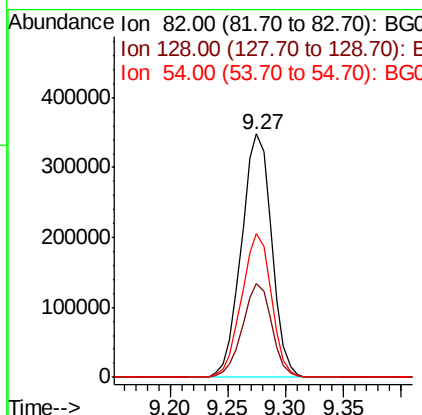
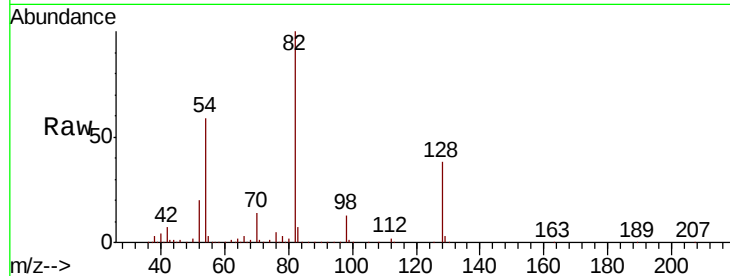




#23
 Nitrobenzene-d5
 Concen: 101.409 ng
 RT: 9.27 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

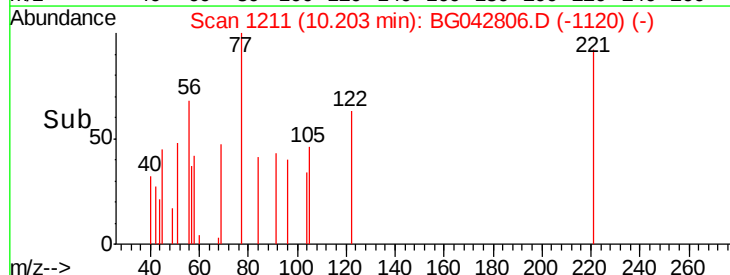
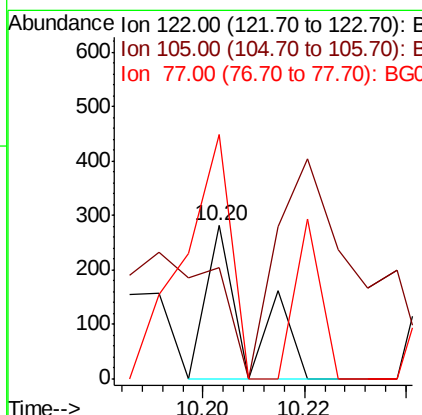
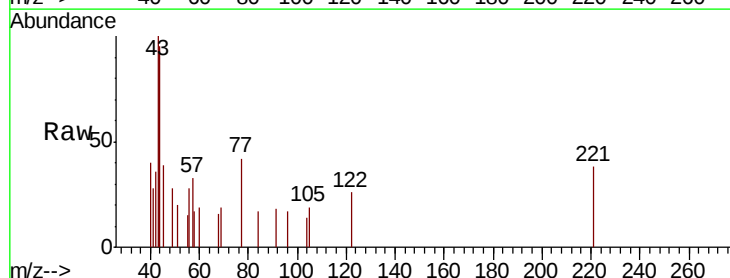
Instrument :
 BNA_G
 ClientSampled :

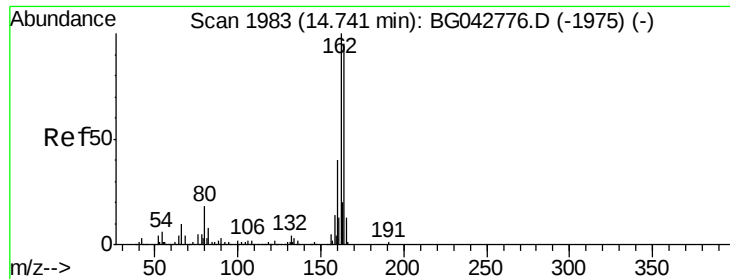
Tot Ion	82.00	Resp	634193
Ion Ratio	Lower	Upper	
82	100		
128	38.4	29.8	44.8
54	59.1	46.1	69.1



#32
 Benzoic acid
 Concen: 6.001 ng
 RT: 10.20 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Tgt Ion	122.00	Resp	156
Ion Ratio	Lower	Upper	
122	100		
105	72.6	104.0	144.0#
77	159.4	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

Instrument :

BNA_G

ClientSampleId :

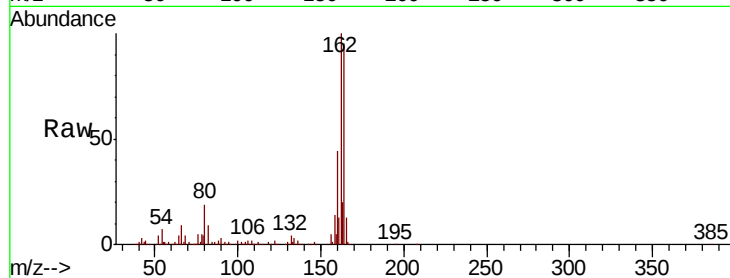
Tot Ion:164 Resp: 218373

Ion Ratio Lower Upper

164 100

162 105.1 84.6 126.8

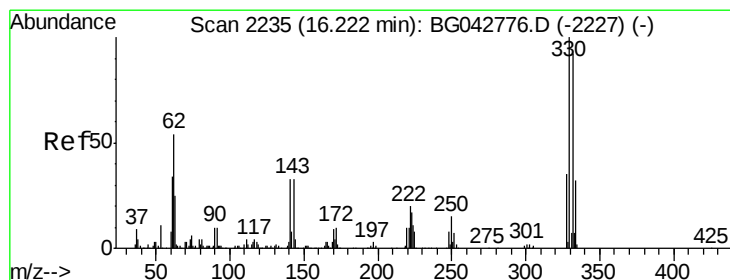
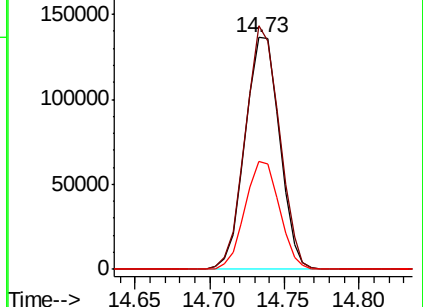
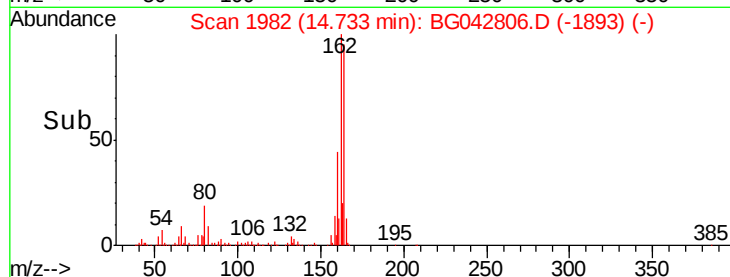
160 46.5 34.2 51.2



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: 143.911 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

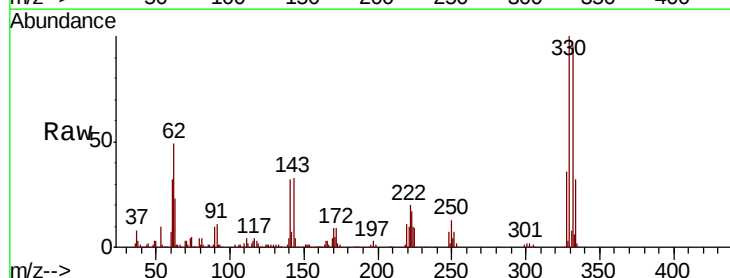
Tgt Ion:330 Resp: 418103

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

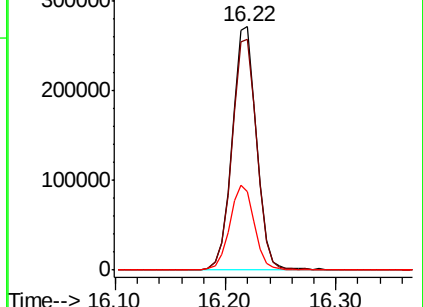
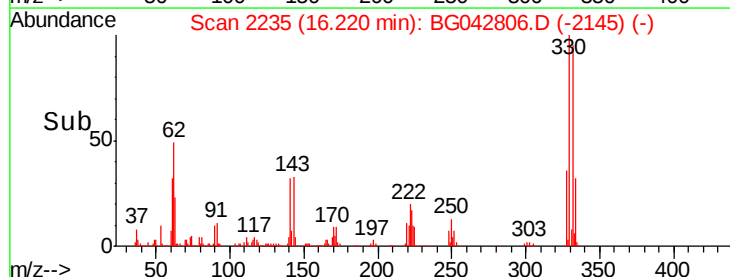
141 35.0 27.0 40.6

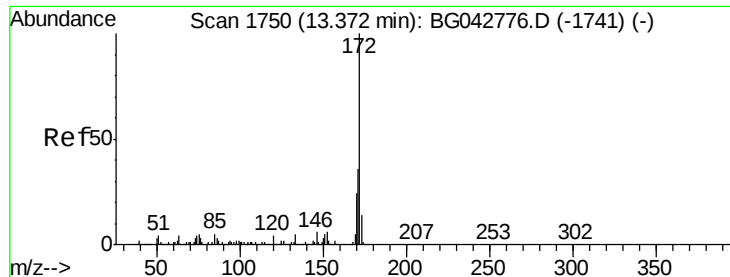


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



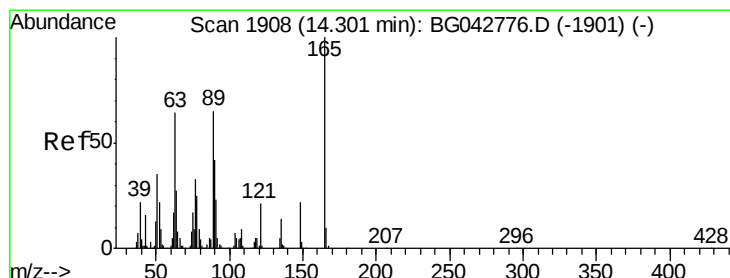
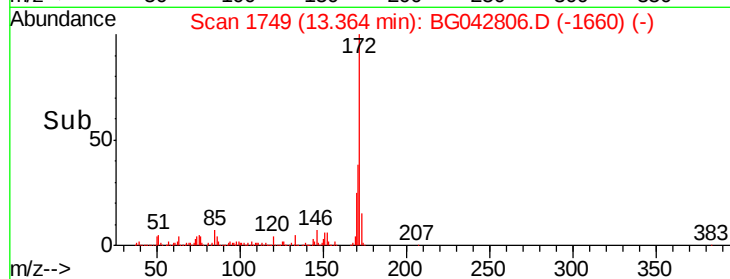
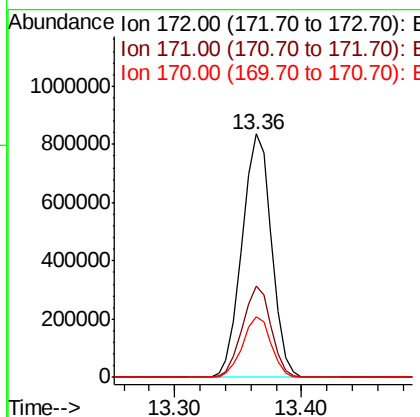
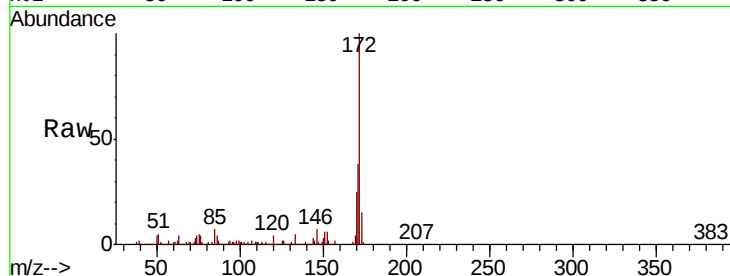


#45
 2-Fluorobiphenyl
 Concen: 97.357 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1343087

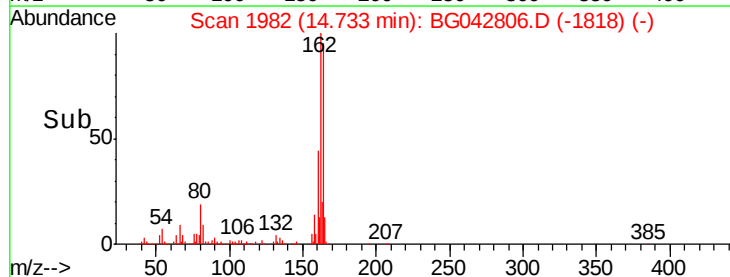
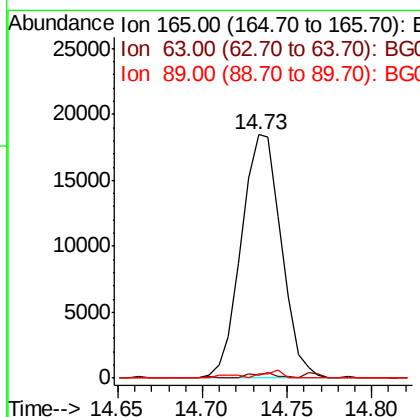
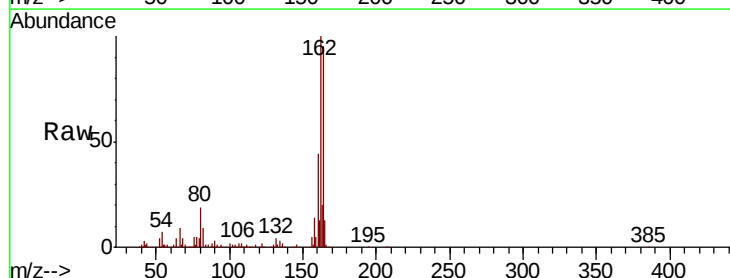
Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	24.8	19.1	28.7

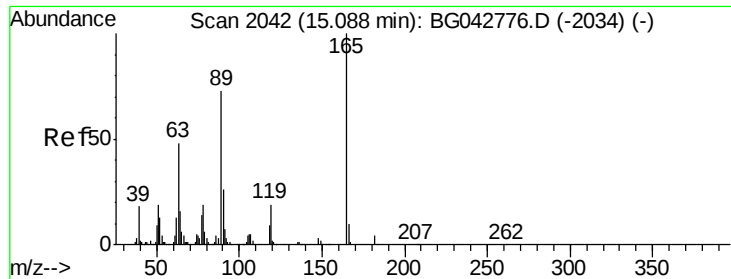


#51
 2,6-Dinitrotoluene
 Concen: 9.051 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. 0.43 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Tgt Ion:165 Resp: 30382

Ion	Ratio	Lower	Upper
165	100		
63	1.1	52.1	78.1#
89	1.5	51.7	77.5#





#57

2,4-Dinitrotoluene

Concen: 6.791 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 30382

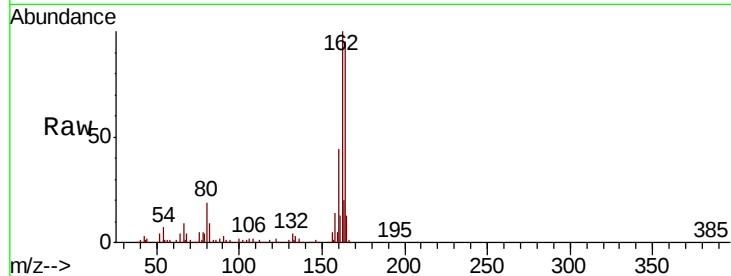
Ion Ratio Lower Upper

165 100

63 1.1 38.3 57.5#

89 1.5 58.4 87.6#

182 0.0 2.9 4.3#



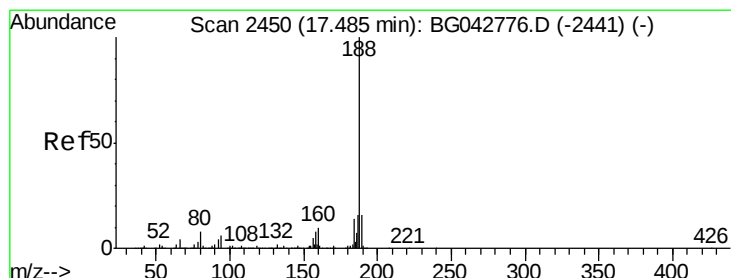
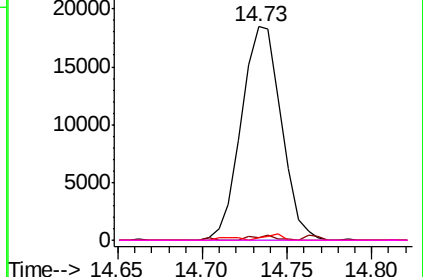
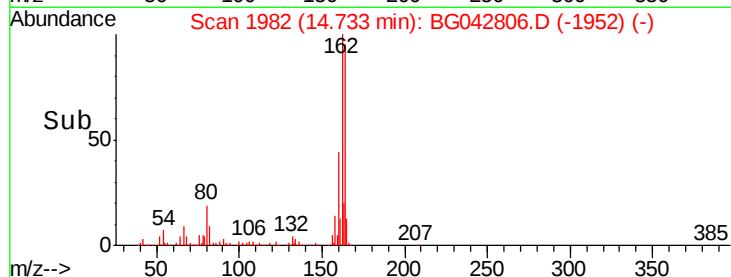
Abundance Ion 165.00 (164.70 to 165.70): E

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

Time--> 14.65 14.70 14.75 14.80



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

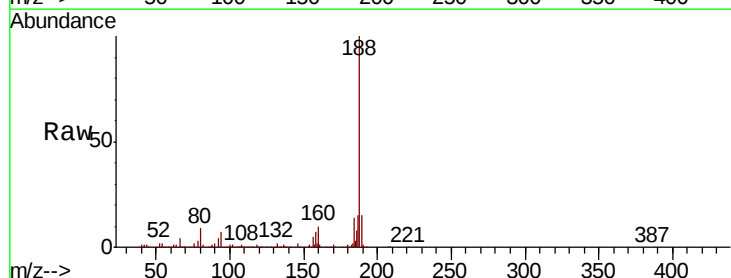
Tgt Ion:188 Resp: 521219

Ion Ratio Lower Upper

188 100

94 7.2 4.8 7.2#

80 8.5 6.6 9.8

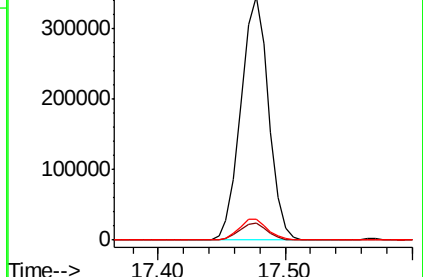
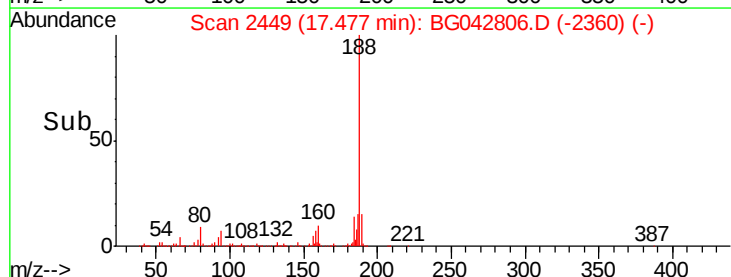


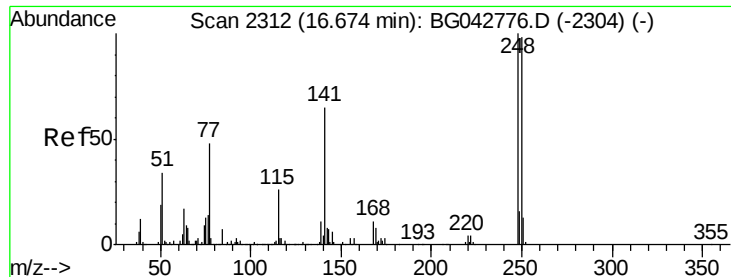
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time--> 17.40 17.50

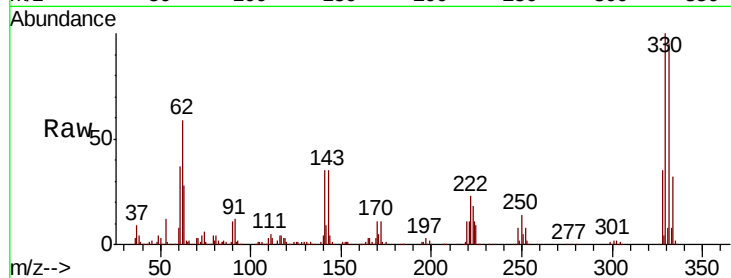




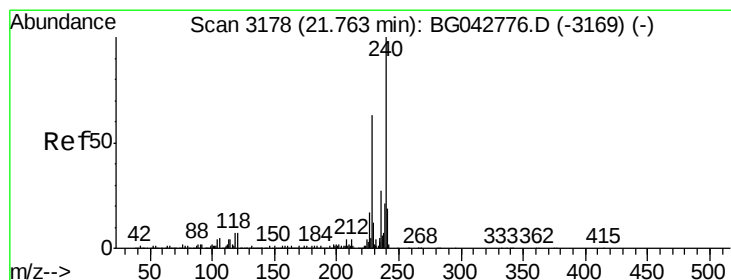
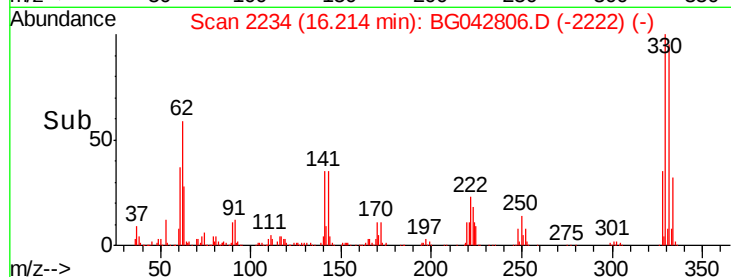
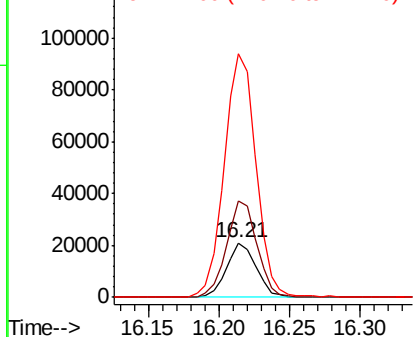
#67
 4-Bromophenyl-phenylether
 Concen: 4.838 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 30520
 Ion Ratio Lower Upper
 248 100
 250 177.6 78.0 117.0#
 141 448.3 51.8 77.6#

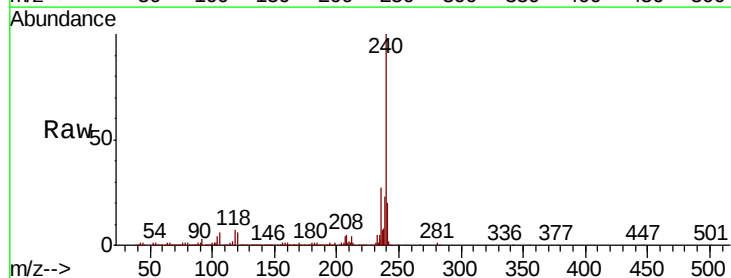


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

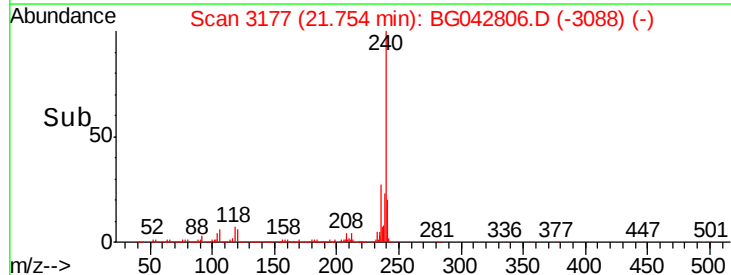
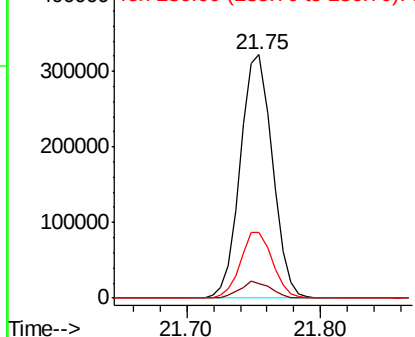


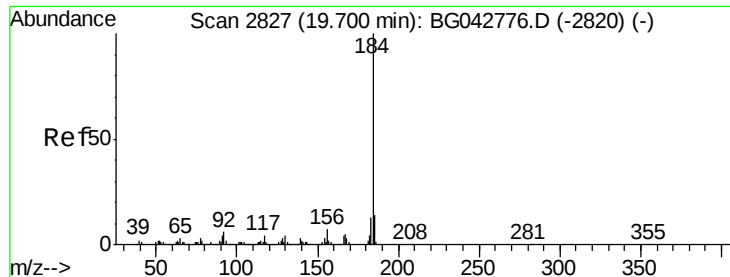
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3177
 Delta R.T. -0.01 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Tgt Ion:240 Resp: 536127
 Ion Ratio Lower Upper
 240 100
 120 5.9 5.4 8.2
 236 26.8 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: 2.807 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.39 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

Instrument :

BNA_G

ClientSampleId :

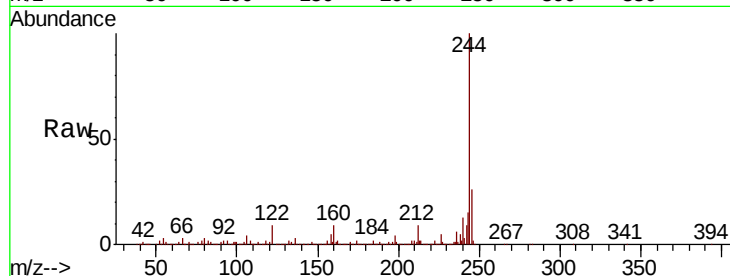
Tot Ion:184 Resp: 42051

Ion Ratio Lower Upper

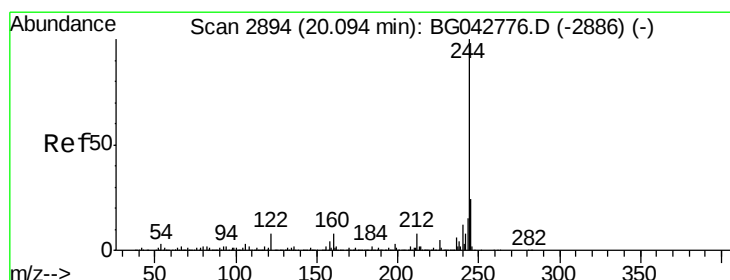
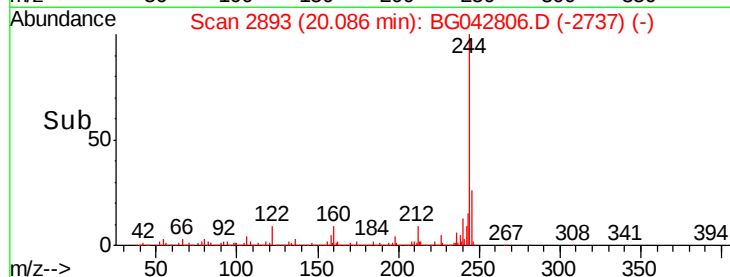
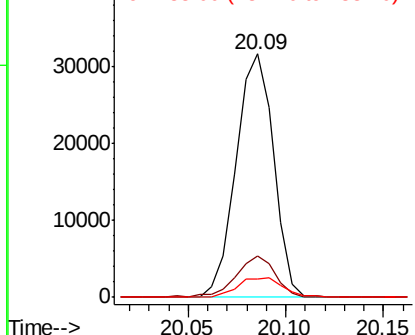
184 100

185 17.0 11.6 17.4

183 7.3 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: 96.529 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042806.D

Acq: 13 Sep 2019 7:41

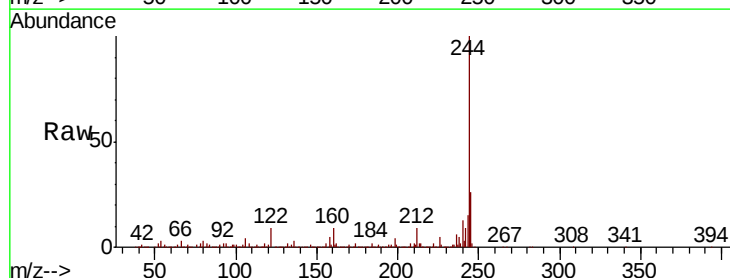
Tgt Ion:244 Resp: 2335067

Ion Ratio Lower Upper

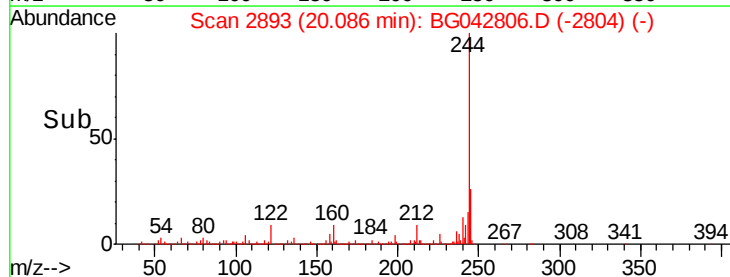
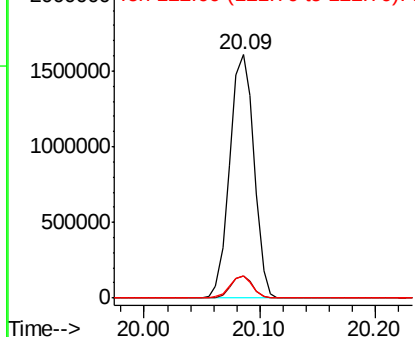
244 100

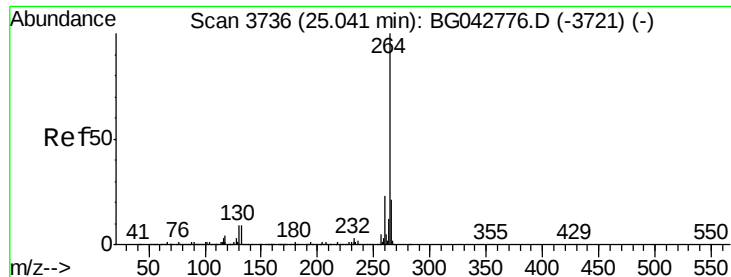
212 9.3 6.6 10.0

122 9.2 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: 25.02 min Scan# 3733
 Delta R.T. -0.02 min
 Lab File: BG042806.D
 Acq: 13 Sep 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.3	16.9	25.3

