

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
 Data File : BG042897.D
 Acq On : 18 Sep 2019 16:55
 Operator : HP/JU
 Sample : K4877-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 02:13:14 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	54287	20.00	ng	-0.03
21) Naphthalene-d8	10.90	136	213693	20.00	ng	-0.03
39) Acenaphthene-d10	14.72	164	164188	20.00	ng	-0.03
64) Phenanthrene-d10	17.46	188	377289	20.00	ng	-0.03
76) Chrysene-d12	21.73	240	357768	20.00	ng	-0.03
87) Perylene-d12	24.99	264	382434	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	57	0.02	ng	0.00
7) Phenol-d6	7.28	99	1833	0.41	ng	0.00
23) Nitrobenzene-d5	9.26	82	415678	101.27	ng	-0.02
42) 2,4,6-Tribromophenol	15.82	330	74	0.03	ng	-0.40
45) 2-Fluorobiphenyl	13.34	172	1033634	99.65	ng	-0.03
79) Terphenyl-d14	20.07	244	1751650	108.51	ng	-0.03

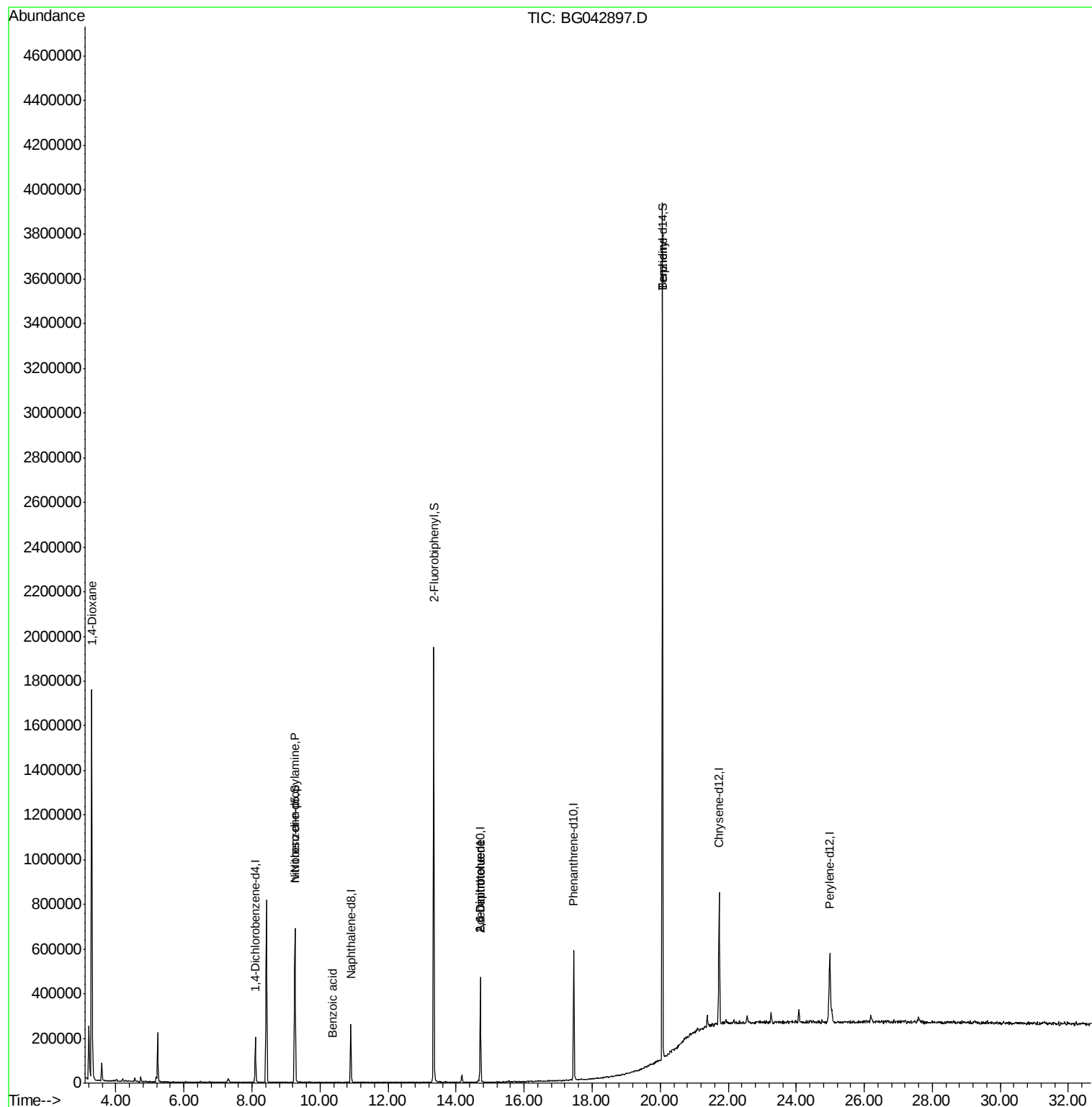
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	13412	9.411	ng	# 1
19) n-Nitroso-di-n-propylamine	9.26	70	60746	18.394	ng	# 72
32) Benzoic acid	10.36	122	69	5.989	ng	# 1
51) 2,6-Dinitrotoluene	14.72	165	21489	8.515	ng	# 22
57) 2,4-Dinitrotoluene	14.72	165	21489	6.388	ng	# 25
77) Benzidine	20.07	184	32826	3.284	ng	# 94

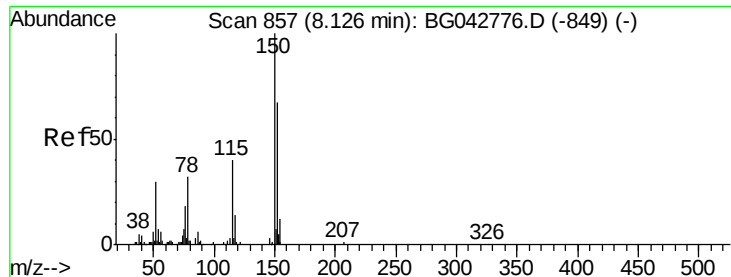
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091819\
Data File : BG042897.D
Acq On : 18 Sep 2019 16:55
Operator : HP/JU
Sample : K4877-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 19 02:13:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.03 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampleId :

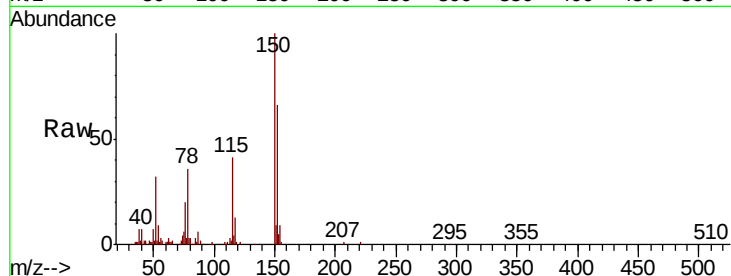
Tot Ion:152 Resp: 54287

Ion Ratio Lower Upper

152 100

150 150.4 118.9 178.3

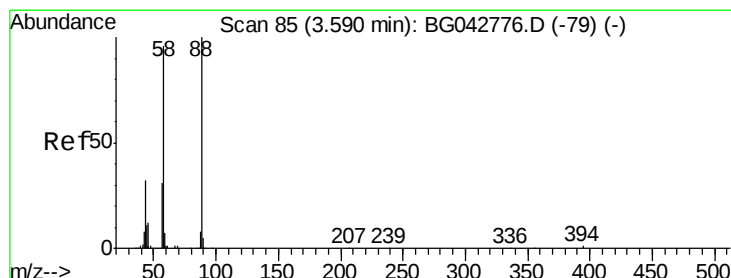
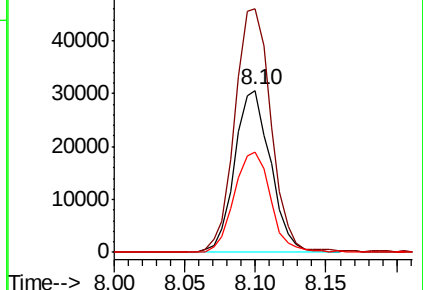
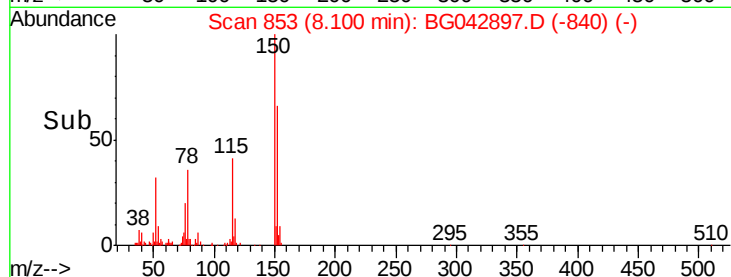
115 62.2 47.4 71.2



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: 9.411 ng

RT: 3.29 min Scan# 34

Delta R.T. -0.30 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

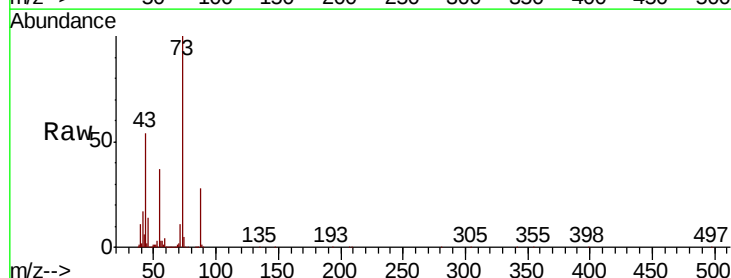
Tgt Ion: 88 Resp: 13412

Ion Ratio Lower Upper

88 100

58 52.0 79.1 118.7#

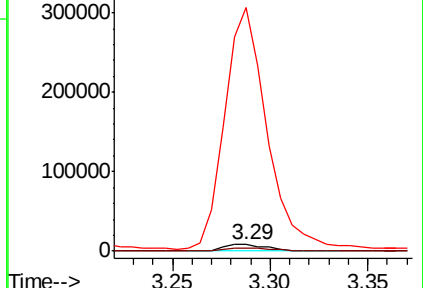
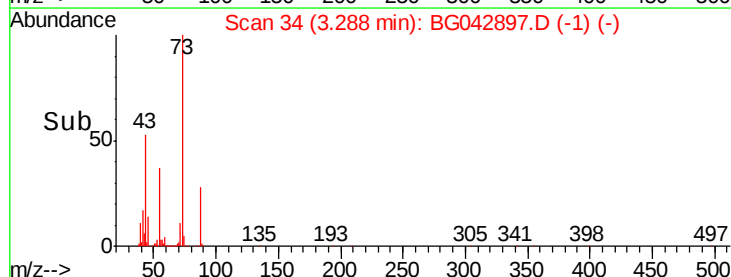
43 3423.3 30.4 45.6#

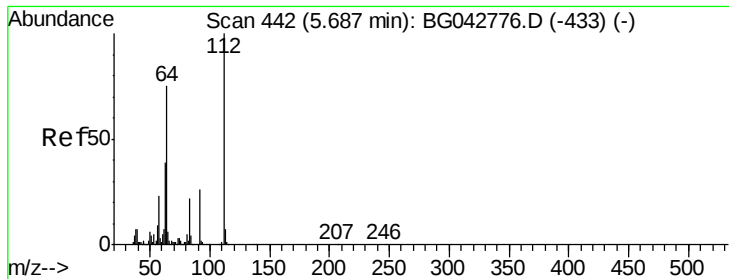


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 0.018 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042897.D

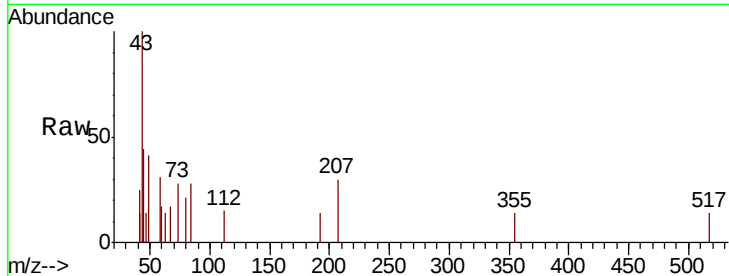
Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampled :

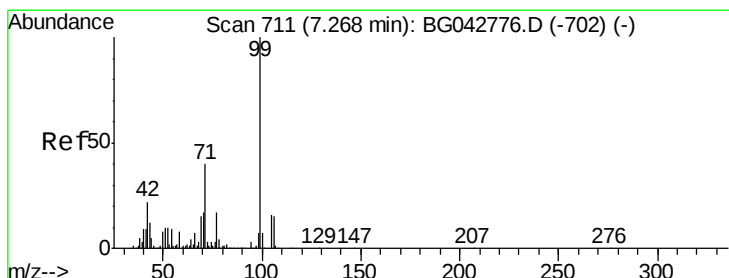
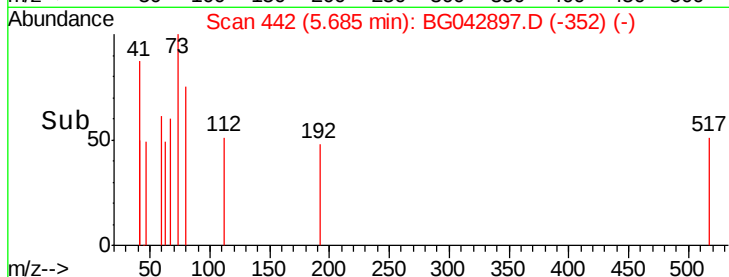
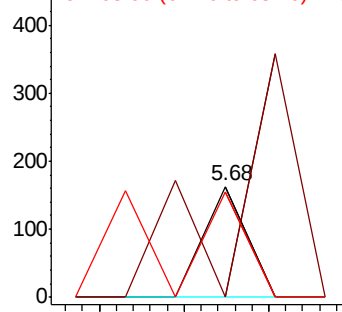
Tot Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.2	90.2#
63	94.5	31.2	46.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 0.409 ng

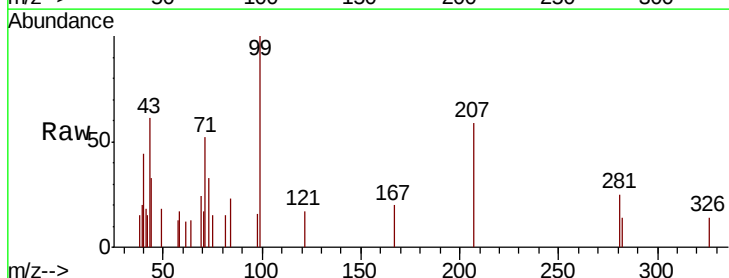
RT: 7.28 min Scan# 713

Delta R.T. 0.01 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

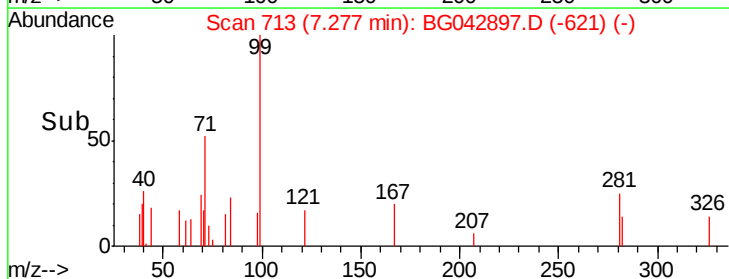
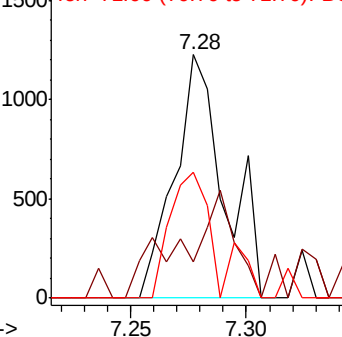
Tgt Ion	Ratio	Lower	Upper
99	100		
42	15.0	17.5	26.3#
71	51.5	32.0	48.0#

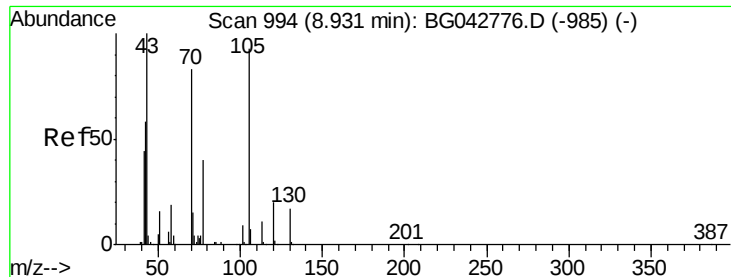


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

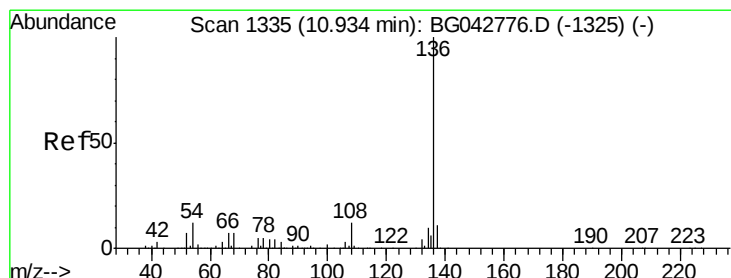
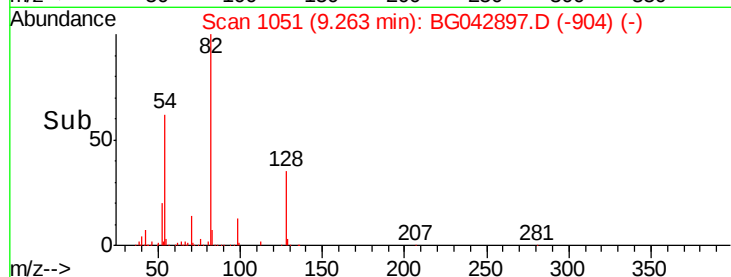
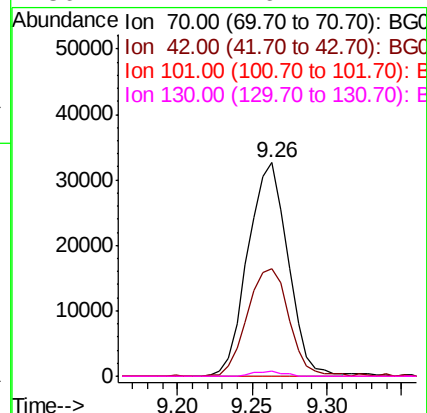
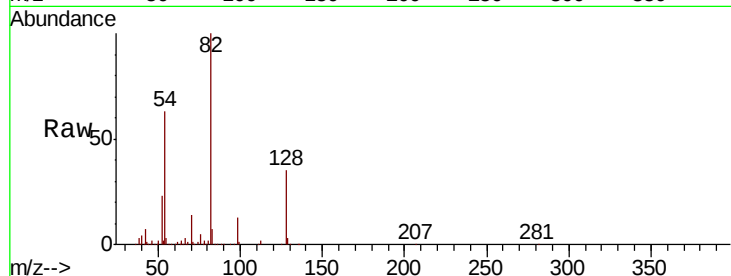




#19
n-Nitroso-di-n-propylamine
Concen: 18.394 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.33 min
Lab File: BG042897.D
Acq: 18 Sep 2019 16:55

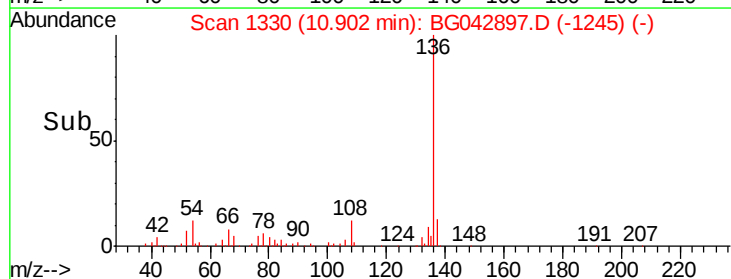
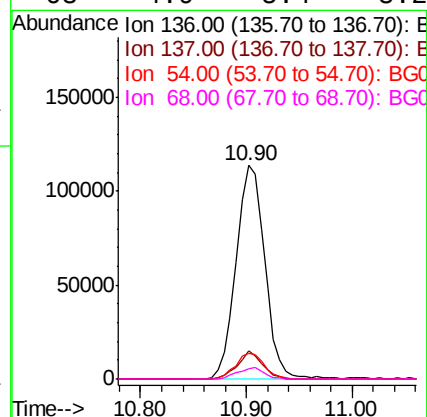
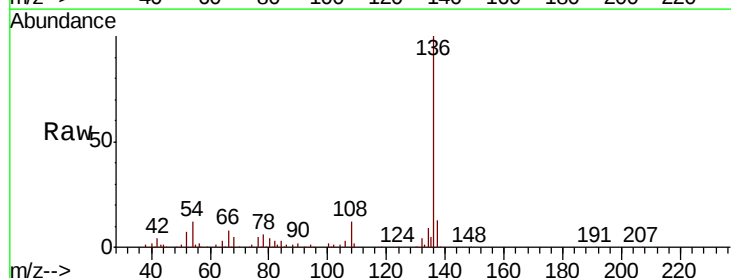
Instrument :
BNA_G
ClientSampleId :

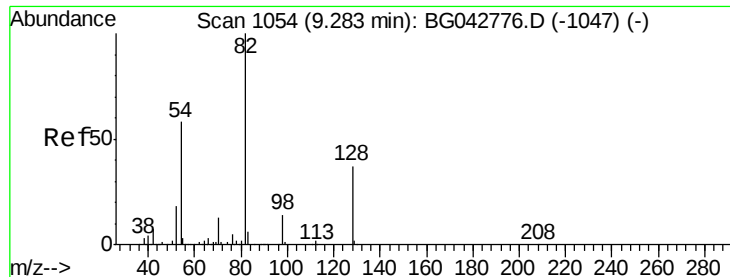
Tot Ion	Ratio	Lower	Upper
70	100		
42	50.1	57.0	85.6#
101	0.0	8.4	12.6#
130	2.2	16.1	24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BG042897.D
Acq: 18 Sep 2019 16:55

Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.0	13.6
54	12.0	9.4	14.0
68	4.9	5.4	8.2#





#23

Nitrobenzene-d5

Concen: 101.272 ng

RT: 9.26 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampleId :

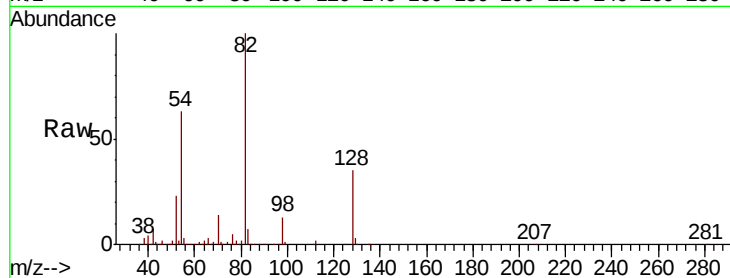
Tot Ion: 82 Resp: 415678

Ion Ratio Lower Upper

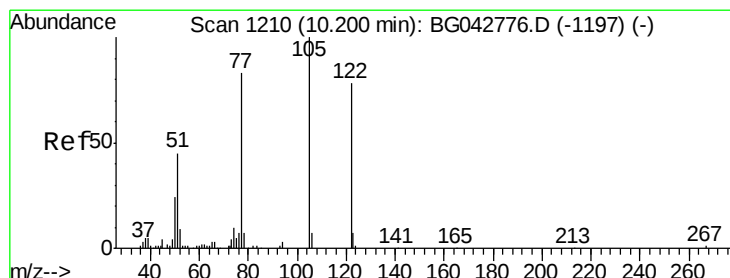
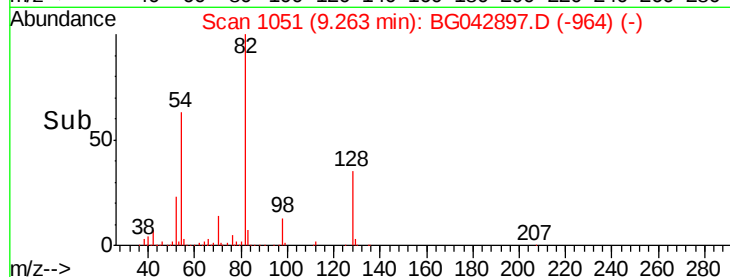
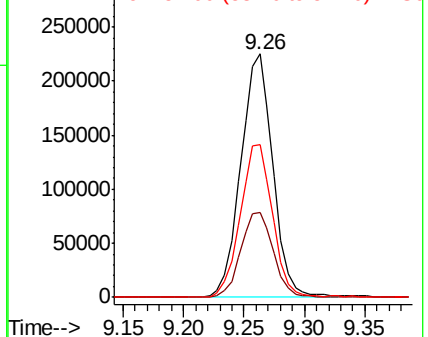
82 100

128 34.6 29.8 44.8

54 63.0 46.1 69.1



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



#32

Benzoic acid

Concen: 5.989 ng

RT: 10.36 min Scan# 1237

Delta R.T. 0.16 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

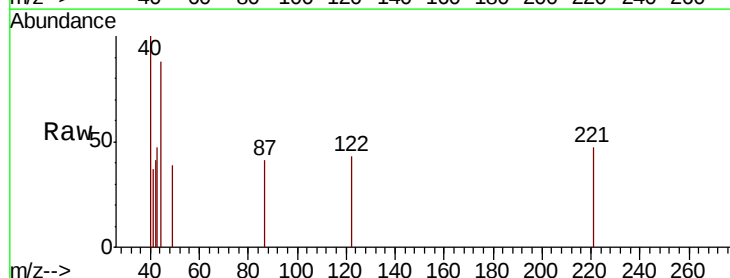
Tgt Ion: 122 Resp: 69

Ion Ratio Lower Upper

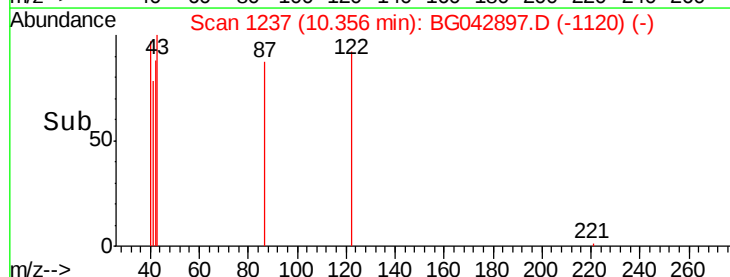
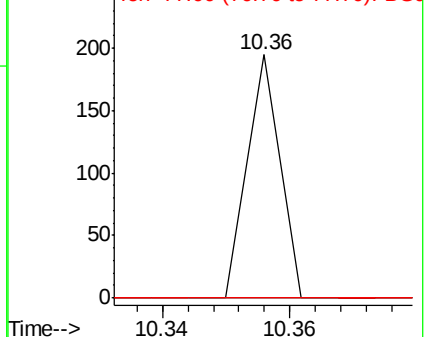
122 100

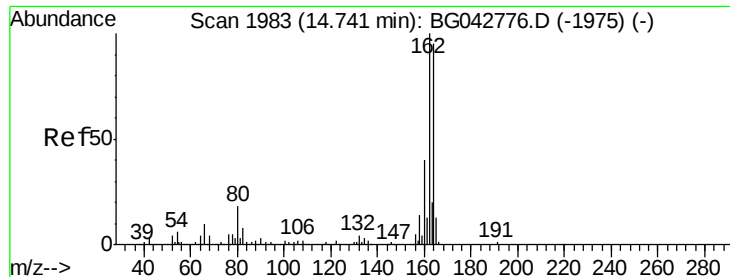
105 0.0 104.0 144.0#

77 0.0 84.2 124.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.03 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampleId :

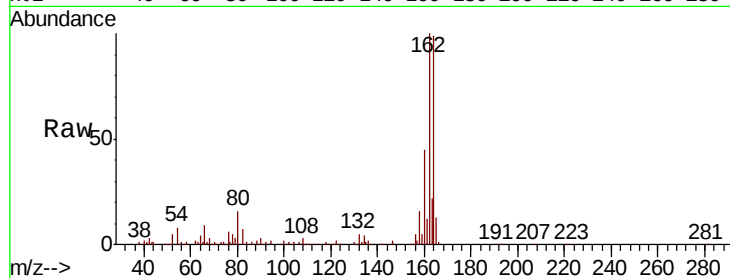
Tot Ion:164 Resp: 164188

Ion Ratio Lower Upper

164 100

162 100.8 84.6 126.8

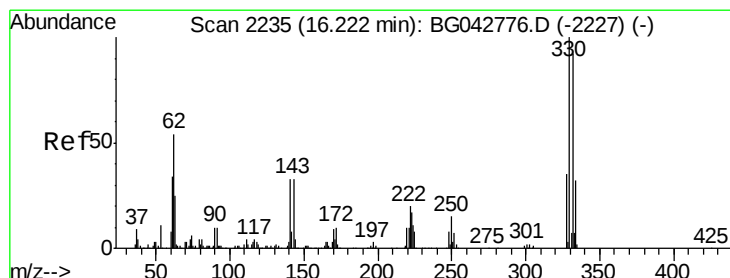
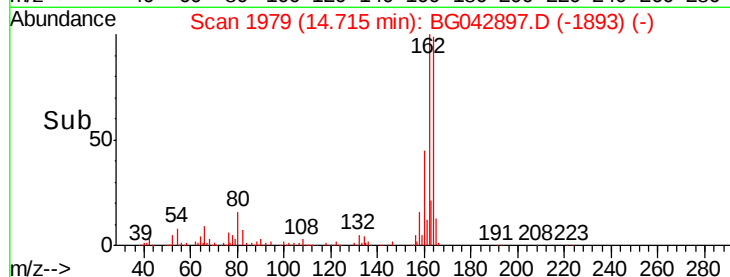
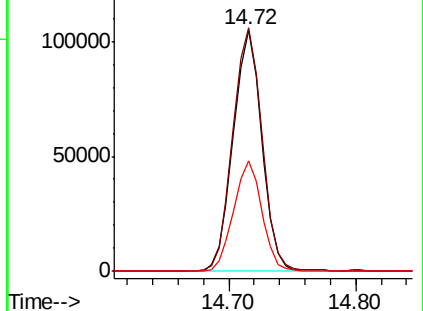
160 45.7 34.2 51.2



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: 0.034 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.40 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

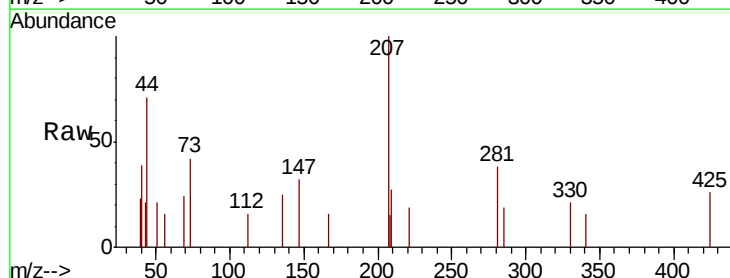
Tgt Ion:330 Resp: 74

Ion Ratio Lower Upper

330 100

332 0.0 76.7 115.1#

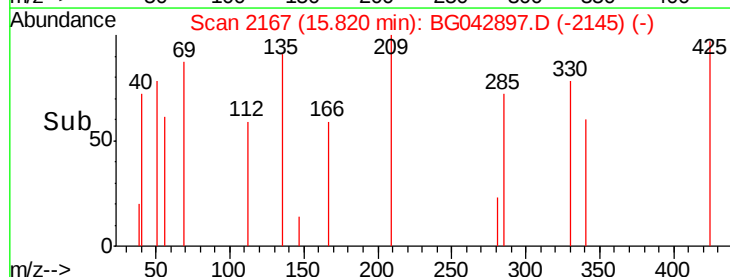
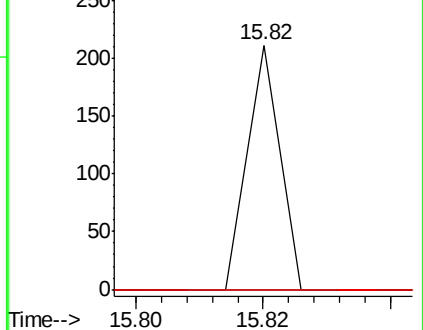
141 0.0 27.0 40.6#

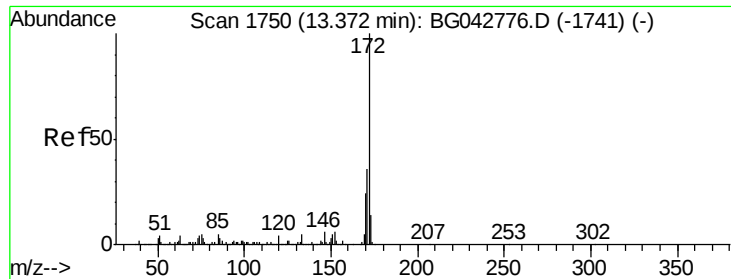


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



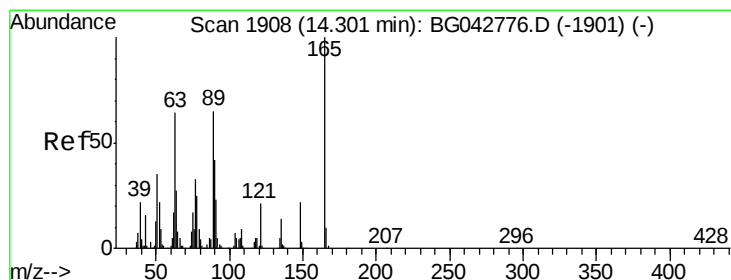
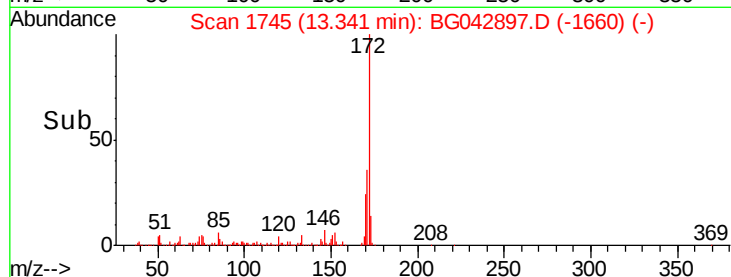
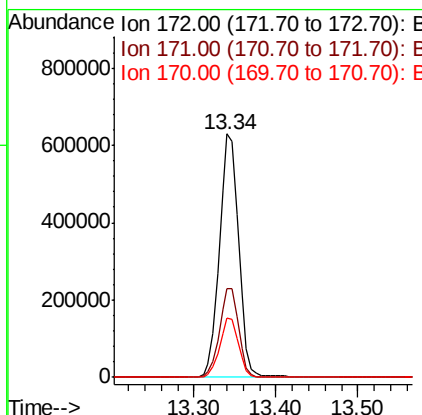
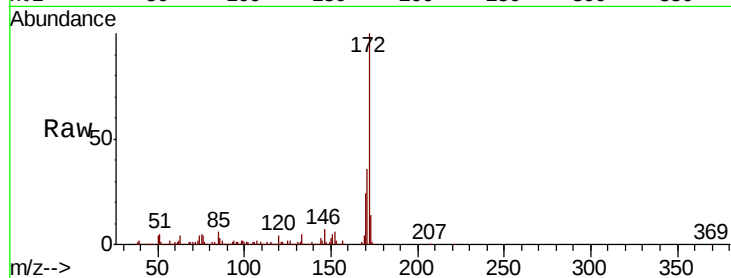


#45
 2-Fluorobiphenyl
 Concen: 99.652 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.03 min
 Lab File: BG042897.D
 Acq: 18 Sep 2019 16:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1033634

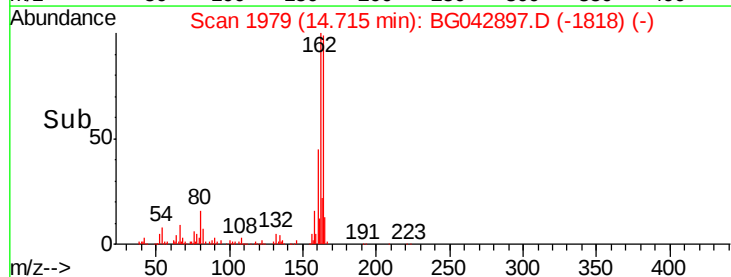
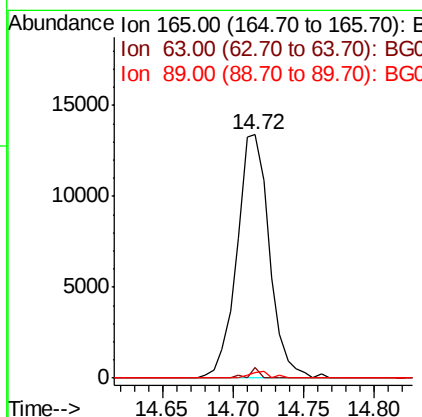
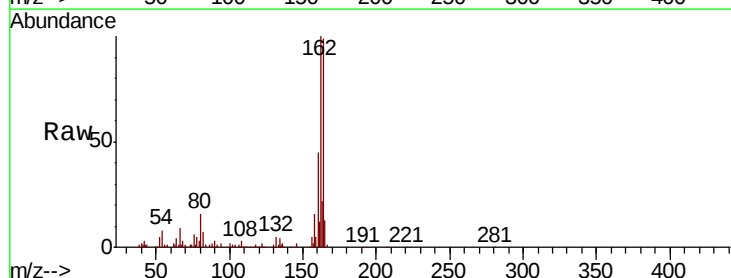
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	24.5	19.1	28.7

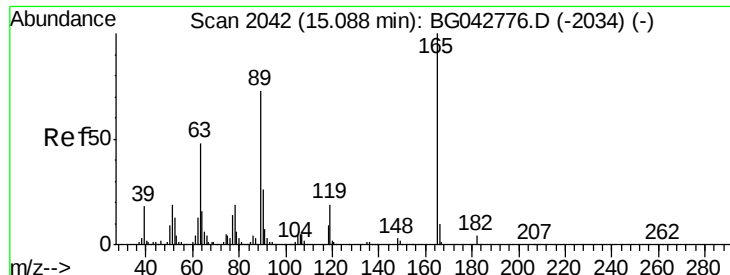


#51
 2,6-Dinitrotoluene
 Concen: 8.515 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.41 min
 Lab File: BG042897.D
 Acq: 18 Sep 2019 16:55

Tgt Ion:165 Resp: 21489

Ion	Ratio	Lower	Upper
165	100		
63	4.1	52.1	78.1#
89	2.0	51.7	77.5#





#57

2,4-Dinitrotoluene

Concen: 6.388 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.37 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 21489

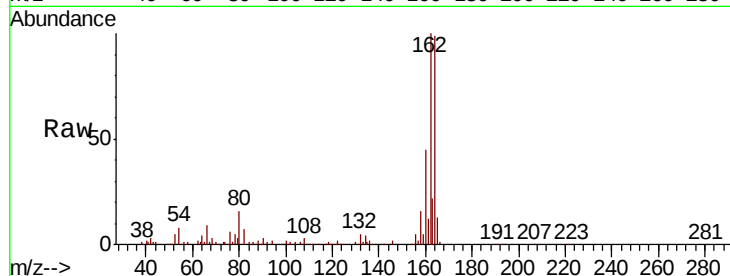
Ion Ratio Lower Upper

165 100

63 4.1 38.3 57.5#

89 2.0 58.4 87.6#

182 0.0 2.9 4.3#

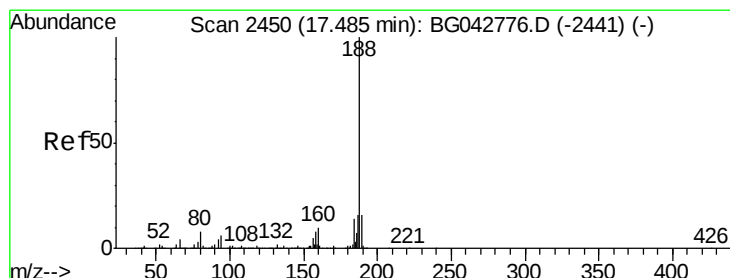
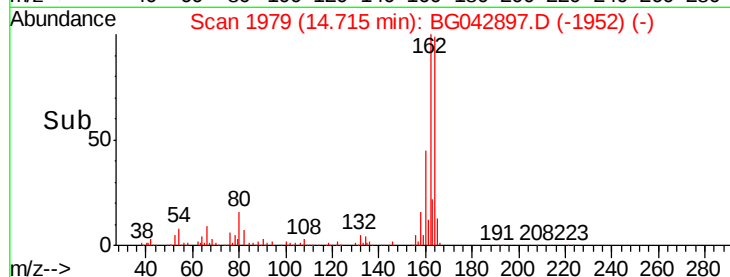
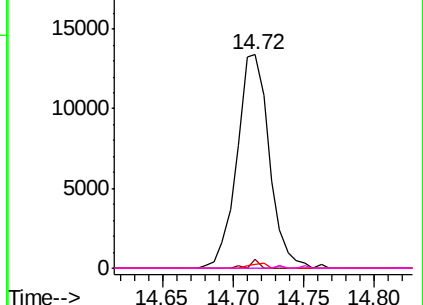


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.03 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

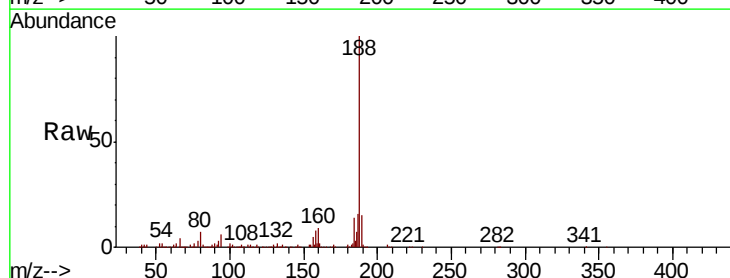
Tgt Ion:188 Resp: 377289

Ion Ratio Lower Upper

188 100

94 5.7 4.8 7.2

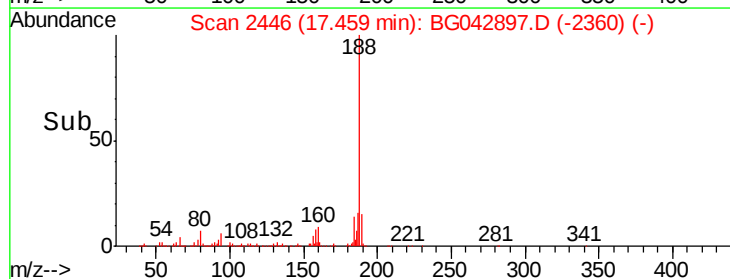
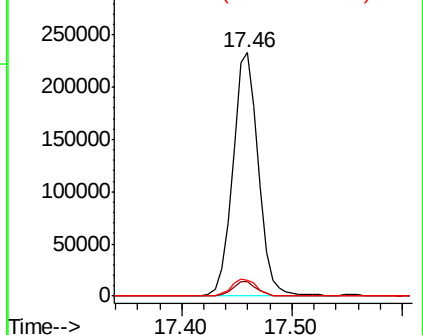
80 6.6 6.6 9.8

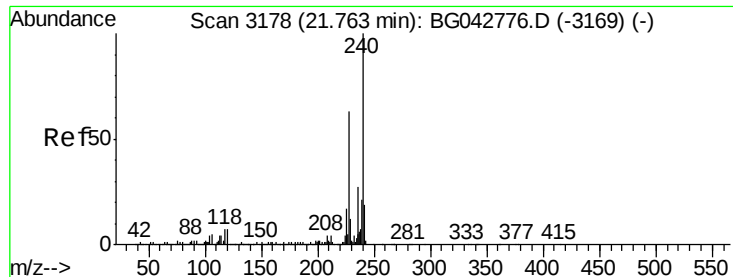


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

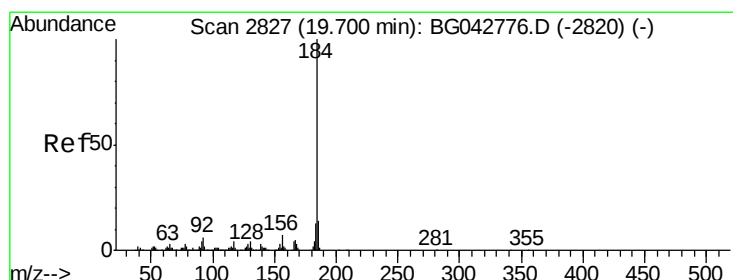
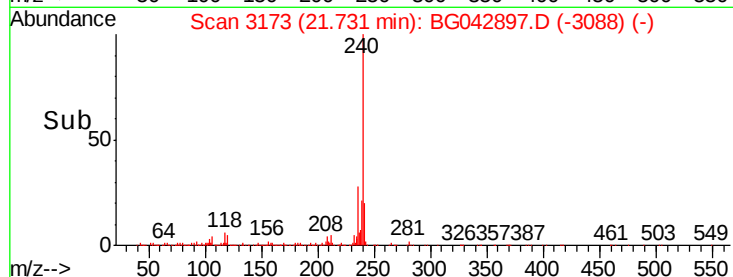
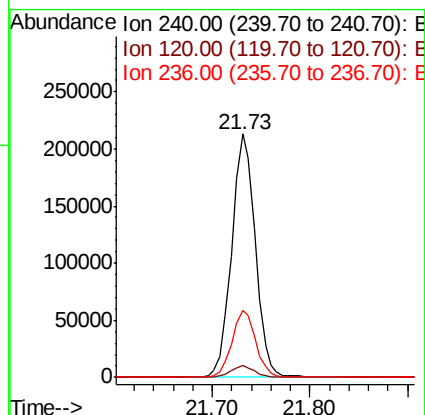
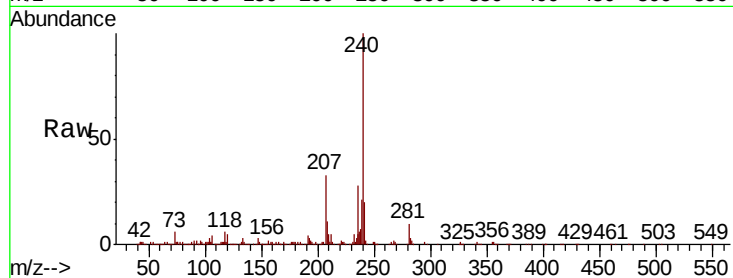




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.03 min
Lab File: BG042897.D
Acq: 18 Sep 2019 16:55

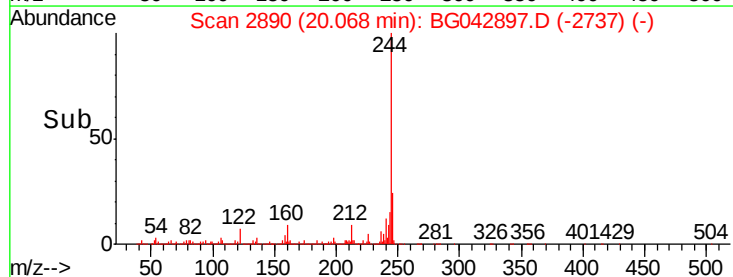
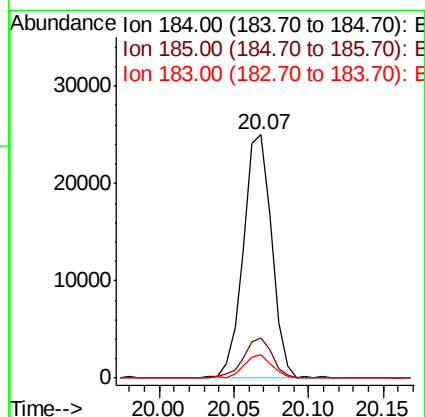
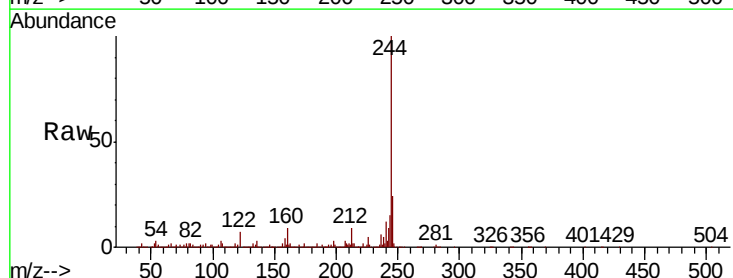
Instrument :
BNA_G
ClientSampleId :

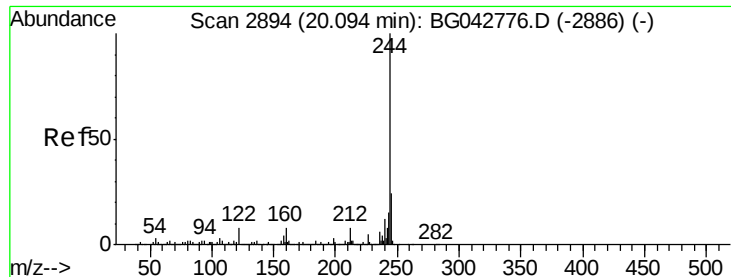
Tot Ion:240 Resp: 357768
Ion Ratio Lower Upper
240 100
120 4.9 5.4 8.2#
236 27.7 21.7 32.5



#77
Benzidine
Concen: 3.284 ng
RT: 20.07 min Scan# 2890
Delta R.T. 0.37 min
Lab File: BG042897.D
Acq: 18 Sep 2019 16:55

Tgt Ion:184 Resp: 32826
Ion Ratio Lower Upper
184 100
185 16.4 11.6 17.4
183 9.9 10.4 15.6#





#79

Terphenyl-d14

Concen: 108.510 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.03 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

Instrument :

BNA_G

ClientSampleId :

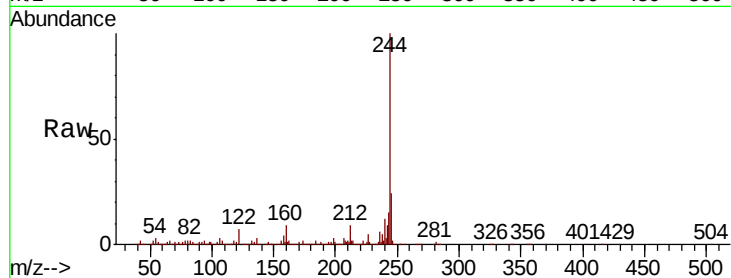
Tot Ion:244 Resp: 1751650

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

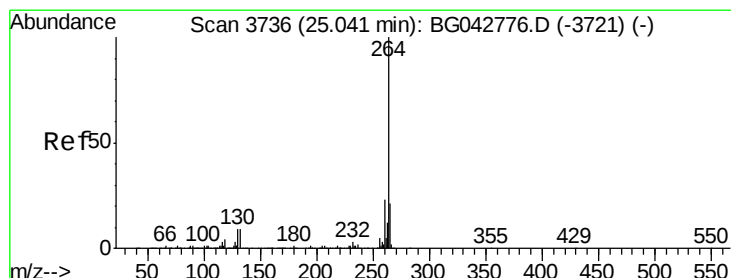
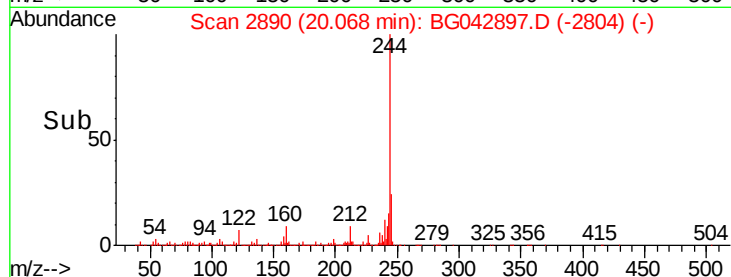
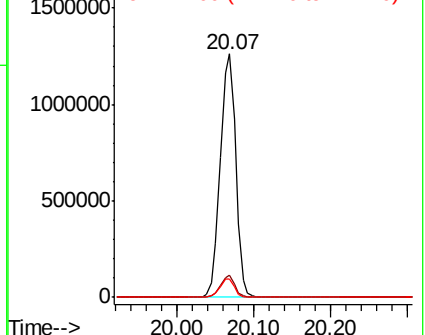
122 7.4 6.2 9.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3727

Delta R.T. -0.06 min

Lab File: BG042897.D

Acq: 18 Sep 2019 16:55

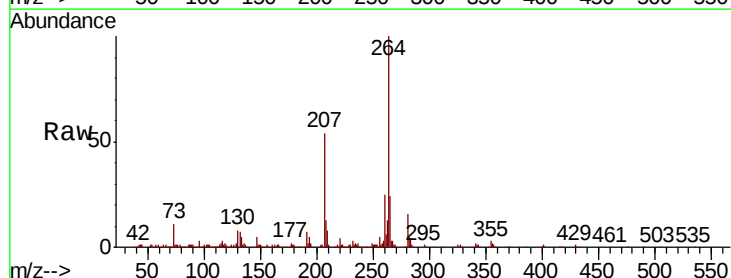
Tgt Ion:264 Resp: 382434

Ion Ratio Lower Upper

264 100

260 25.3 18.2 27.2

265 24.0 16.9 25.3



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

