

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082719\
 Data File : BG042507.D
 Acq On : 27 Aug 2019 16:56
 Operator : HP/JU
 Sample : K4086-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 28 01:26:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

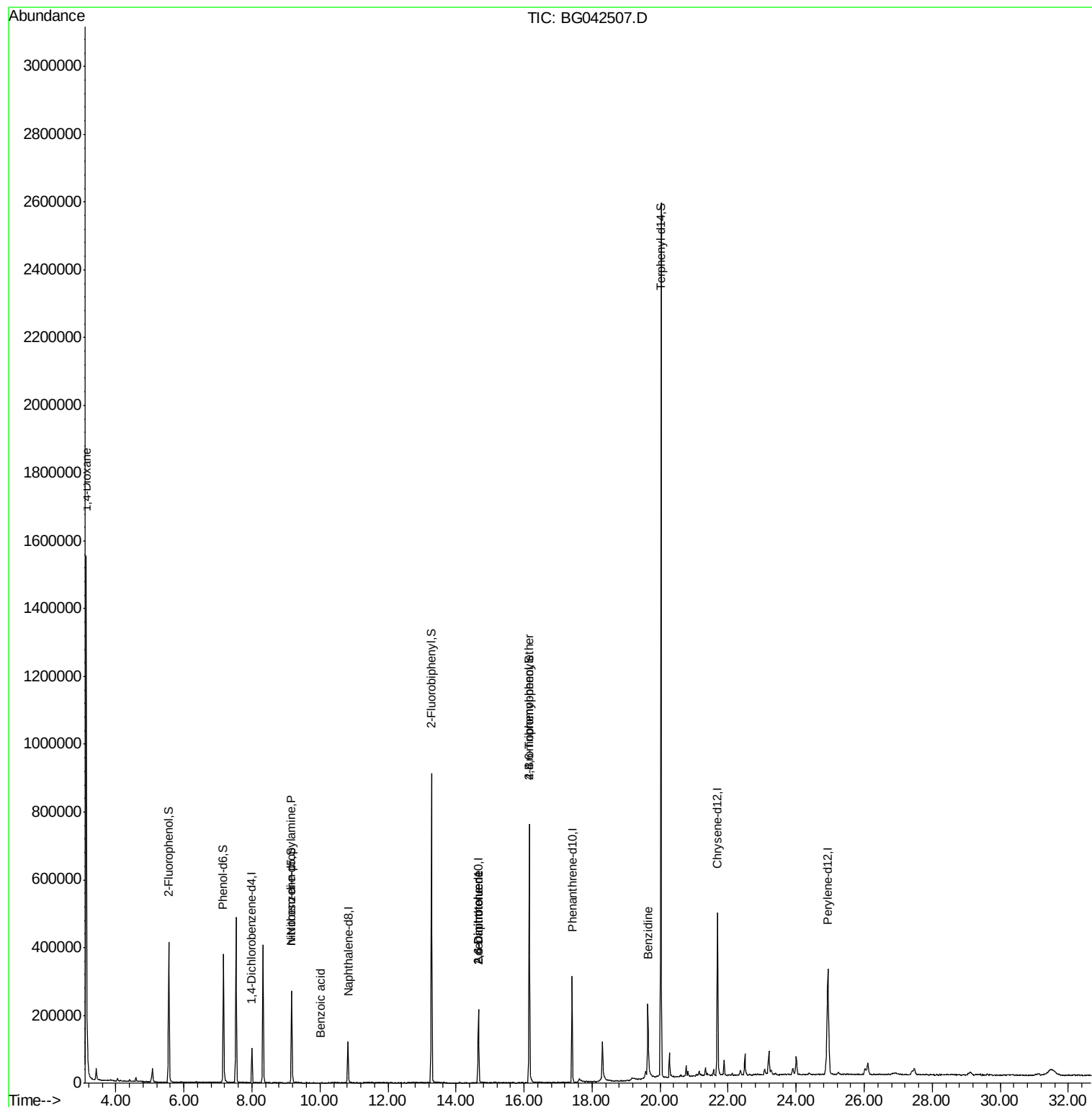
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	33694	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	124140	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	88817	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219034	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	309307	20.00	ng	-0.01
87) Perylene-d12	24.93	264	366416	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	220915	132.79	ng	0.00
7) Phenol-d6	7.16	99	264669	117.78	ng	-0.01
23) Nitrobenzene-d5	9.16	82	183029	101.89	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	191901	152.01	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	545970	103.97	ng	0.00
79) Terphenyl-d14	20.02	244	1277162	89.27	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.12	88	15694	22.605	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	23266	15.981	ng	# 74
32) Benzoic acid	10.03	122	53	8.208	ng	# 1
51) 2,6-Dinitrotoluene	14.65	165	11540	7.769	ng	# 36
57) 2,4-Dinitrotoluene	14.65	165	11540	5.425	ng	# 38
67) 4-Bromophenyl-phenylether	16.15	248	13330	4.798	ng	# 1
77) Benzidine	19.64	184	192109	21.663	ng	99

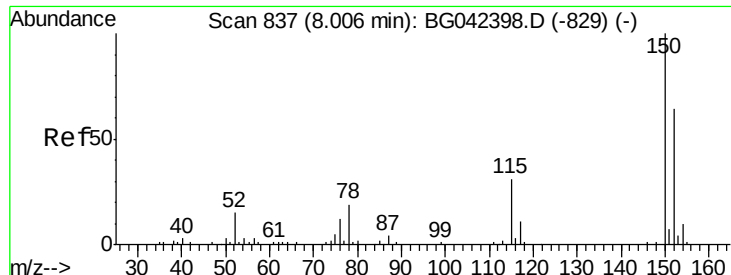
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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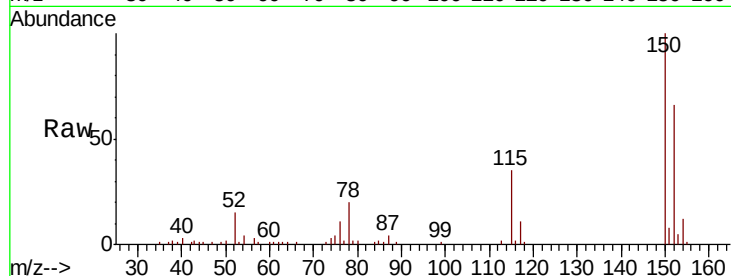


#1

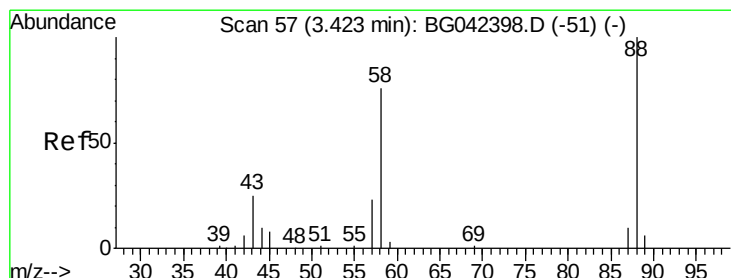
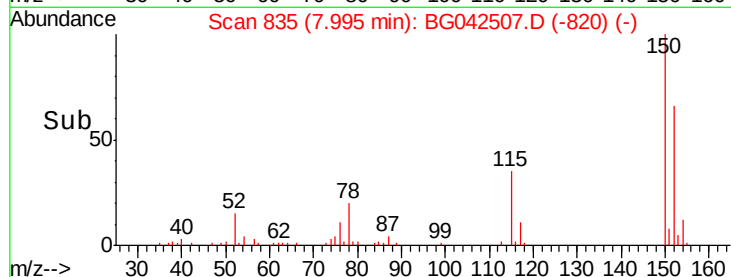
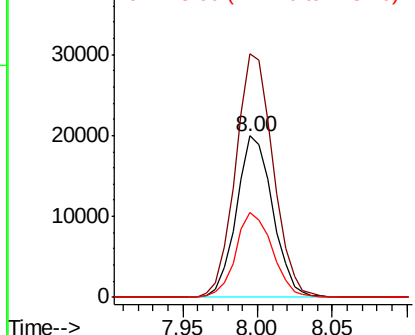
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 33694
Ion Ratio Lower Upper
152 100
150 150.7 125.4 188.0
115 52.2 38.5 57.7



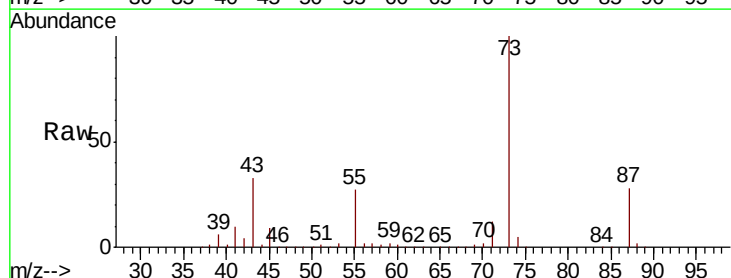
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



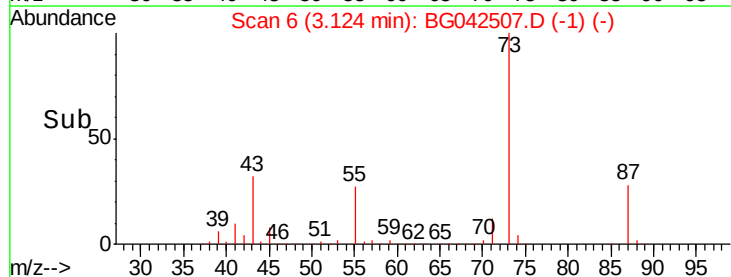
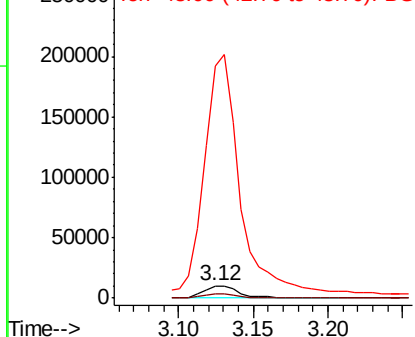
#2

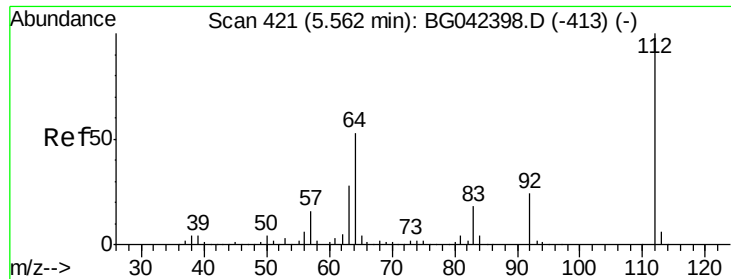
1,4-Dioxane
Concen: 22.605 ng
RT: 3.12 min Scan# 6
Delta R.T. -0.30 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 88 Resp: 15694
Ion Ratio Lower Upper
88 100
58 28.6 58.3 87.5#
43 2093.8 20.2 30.2#



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: 132.788 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampled :

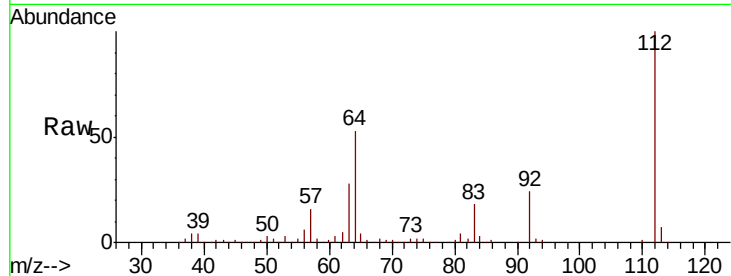
Tot Ion: 112 Resp: 220915

Ion Ratio Lower Upper

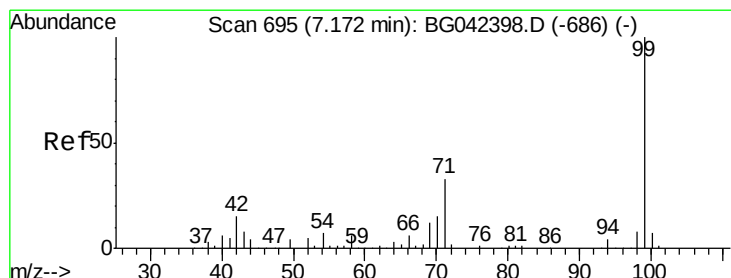
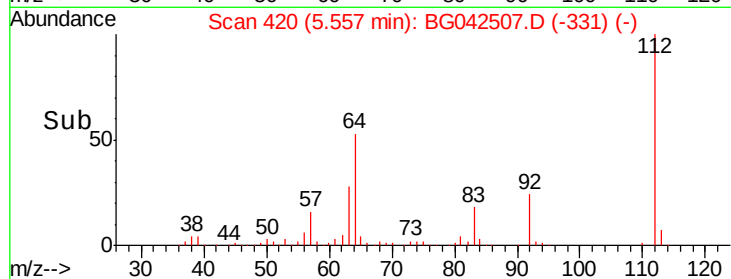
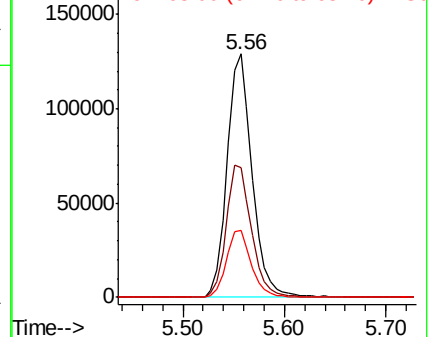
112 100

64 53.3 42.8 64.2

63 27.7 22.7 34.1



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: 117.776 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

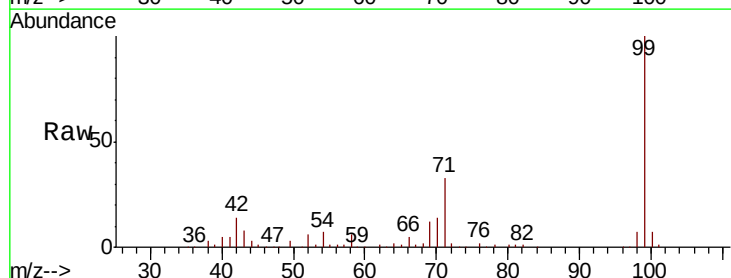
Tgt Ion: 99 Resp: 264669

Ion Ratio Lower Upper

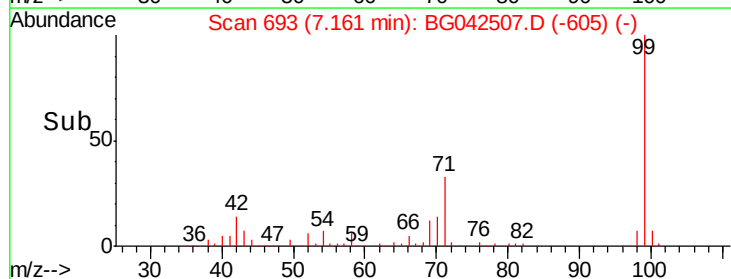
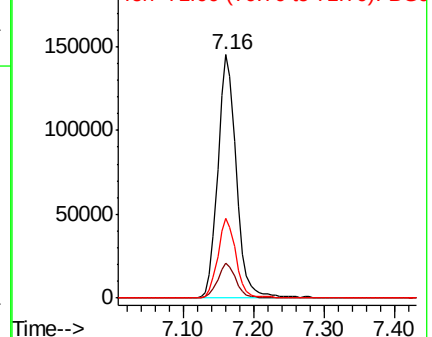
99 100

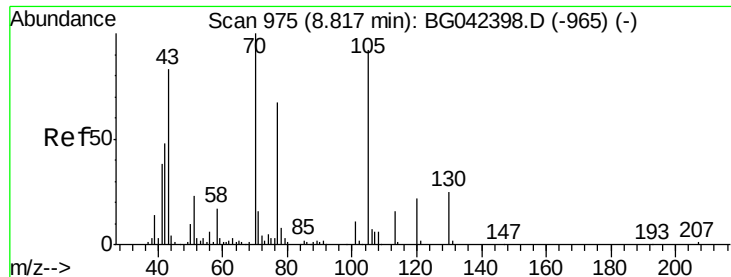
42 14.2 12.0 18.0

71 32.7 26.3 39.5



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

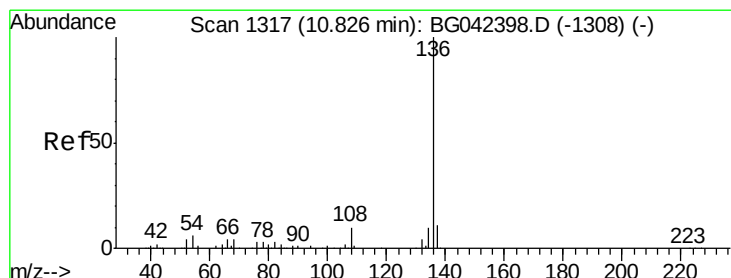
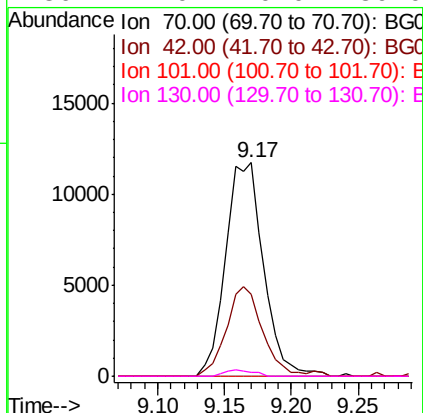
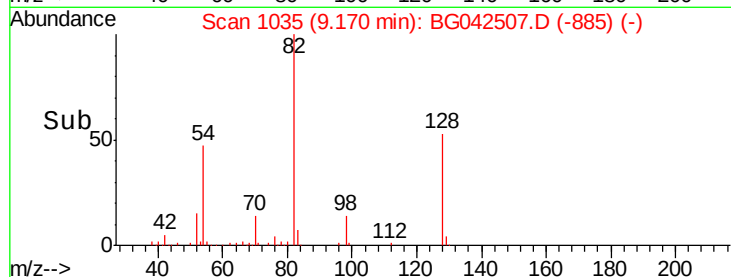
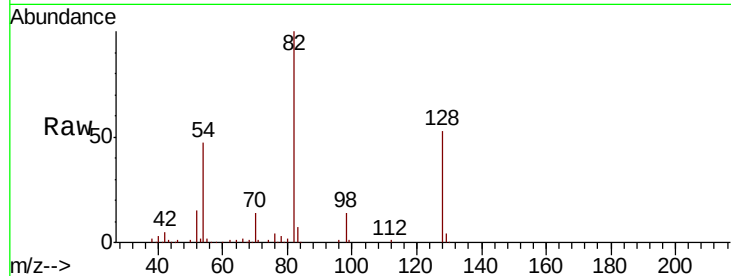




#19
n-Nitroso-di-n-propylamine
Concen: 15.981 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

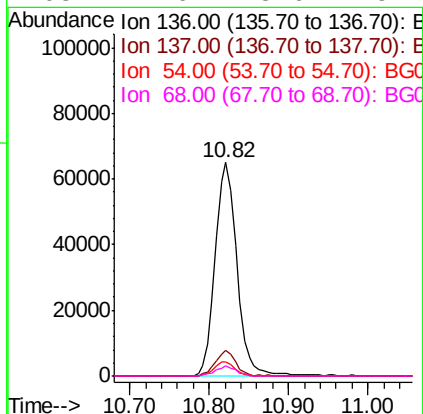
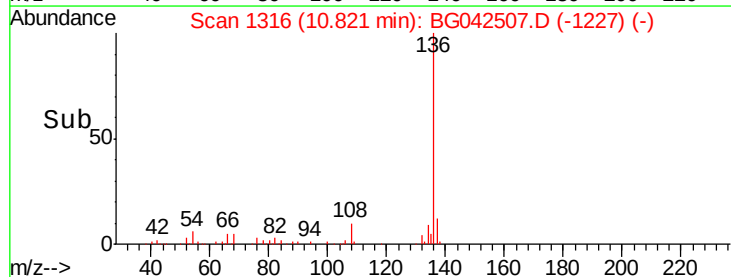
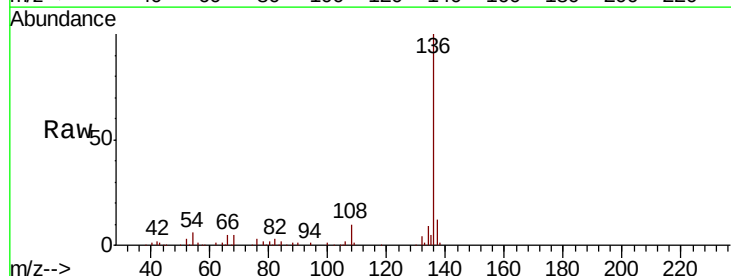
Instrument :
BNA_G
ClientSampleId :

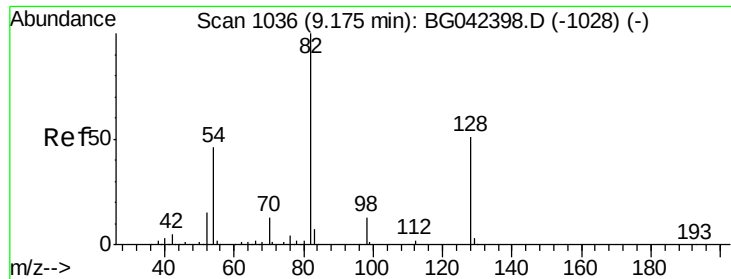
Tot Ion: 70 Resp: 23266
Ion Ratio Lower Upper
70 100
42 38.6 38.8 58.2#
101 0.0 9.0 13.6#
130 2.0 20.0 30.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG042507.D
Acq: 27 Aug 2019 16:56

Tgt Ion: 136 Resp: 124140
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 6.4 4.9 7.3
68 4.6 3.6 5.4

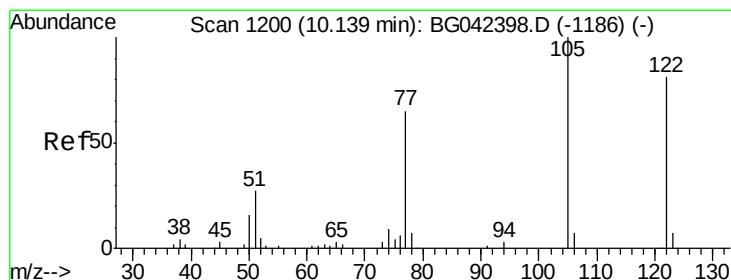
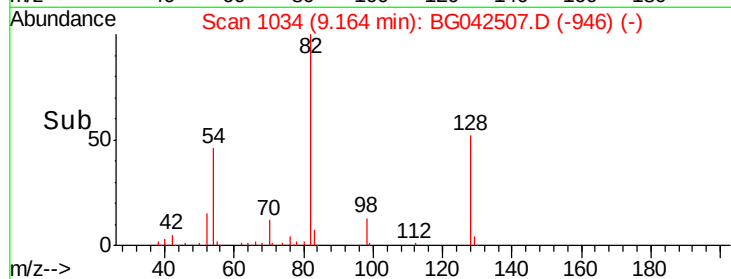
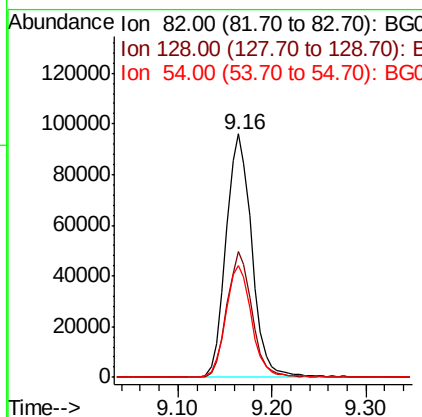
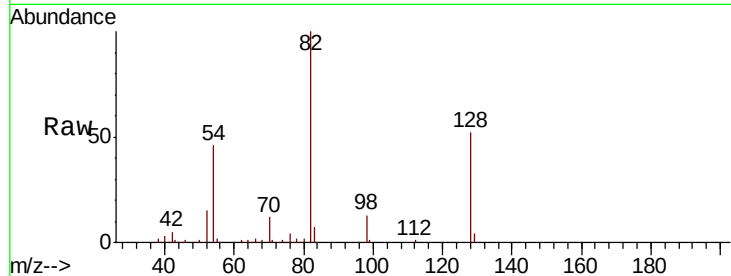




#23
 Nitrobenzene-d5
 Concen: 101.885 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

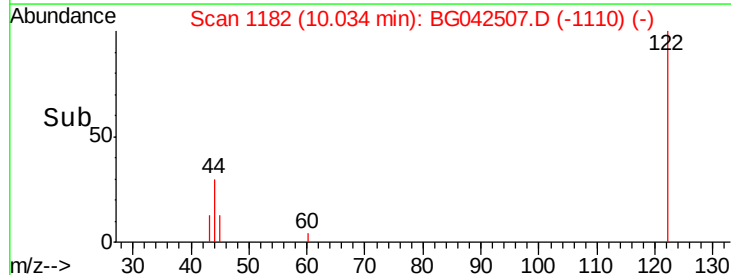
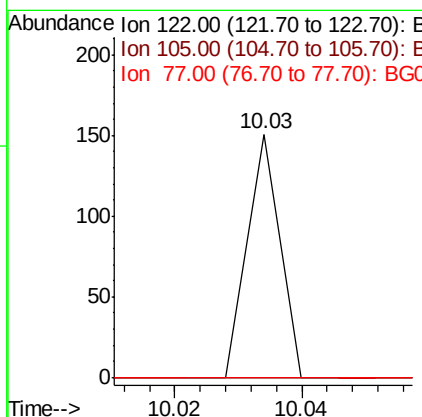
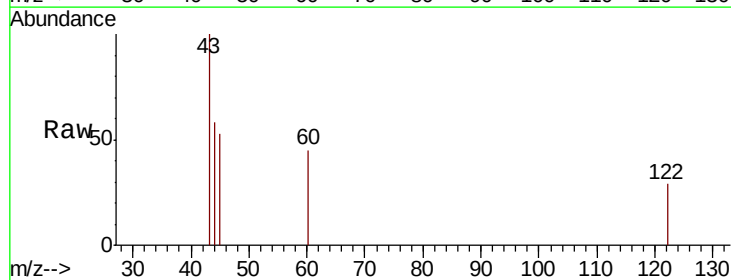
Instrument :
 BNA_G
 ClientSampleId :

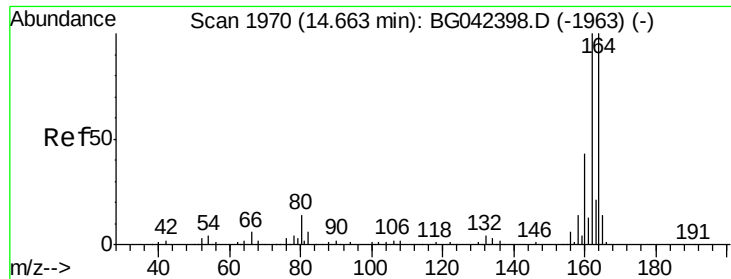
Tot Ion	82	Resp	183029
Ion Ratio	Lower	Upper	
82	100		
128	51.8	40.7	61.1
54	45.7	36.3	54.5



#32
 Benzoic acid
 Concen: 8.208 ng
 RT: 10.03 min Scan# 1182
 Delta R.T. -0.10 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	122	Resp	53
Ion Ratio	Lower	Upper	
122	100		
105	0.0	99.6	139.6#
77	0.0	59.5	99.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

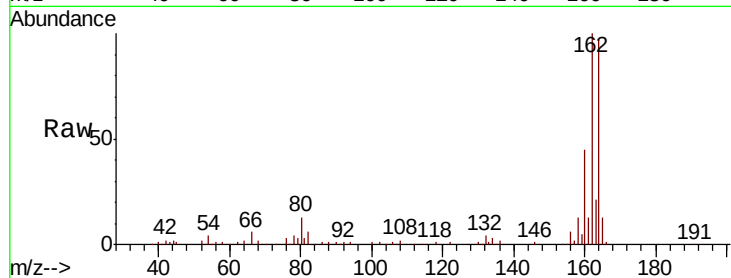
Tot Ion:164 Resp: 88817

Ion Ratio Lower Upper

164 100

162 103.2 79.9 119.9

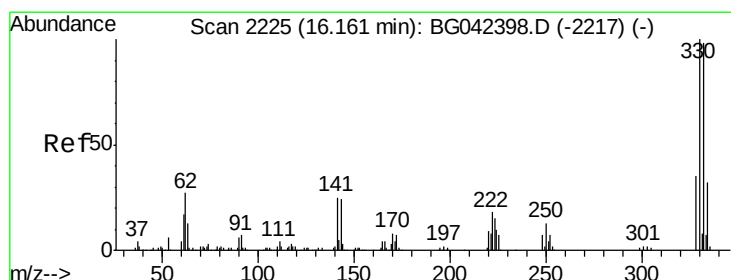
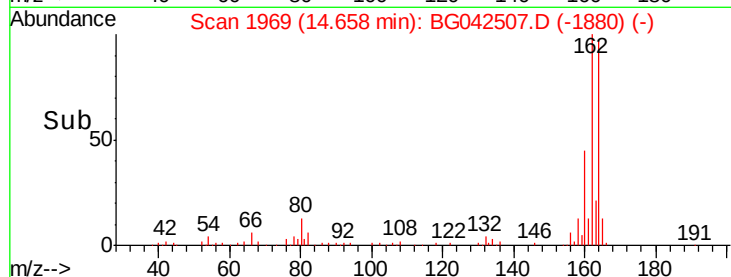
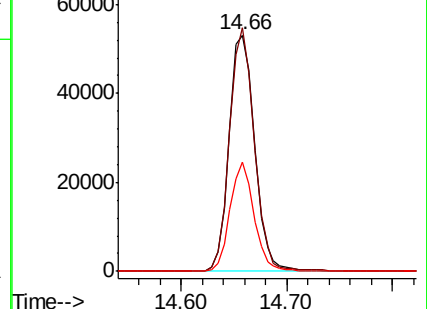
160 46.5 34.3 51.5



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: 152.014 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

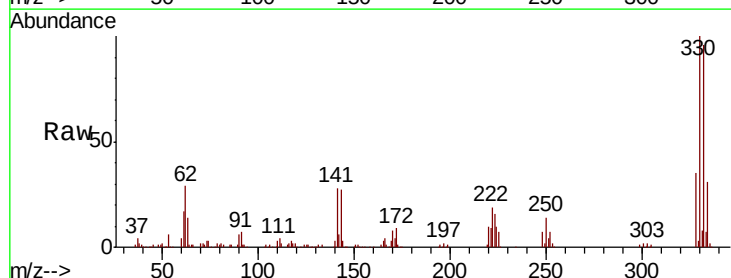
Tgt Ion:330 Resp: 191901

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

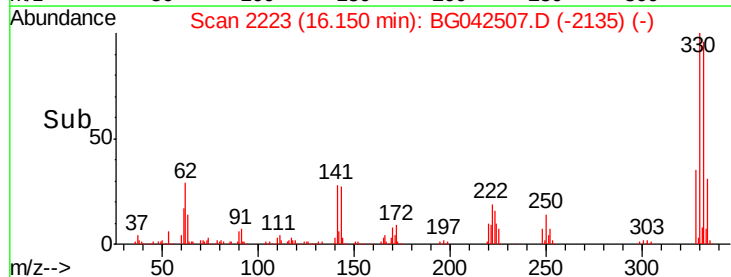
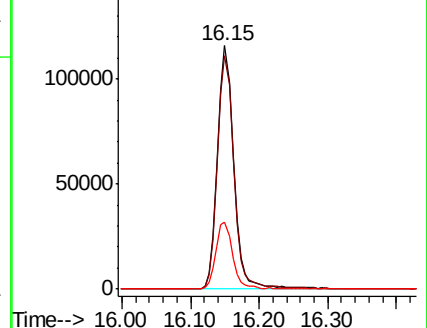
141 28.4 21.4 32.0

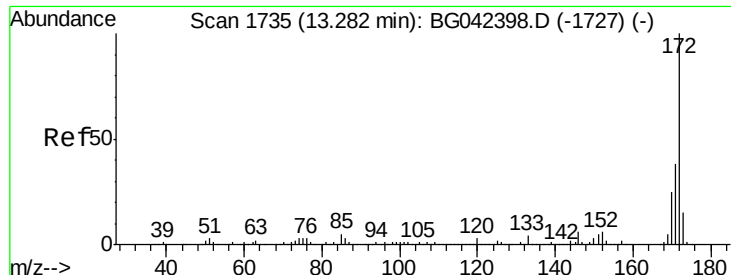


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

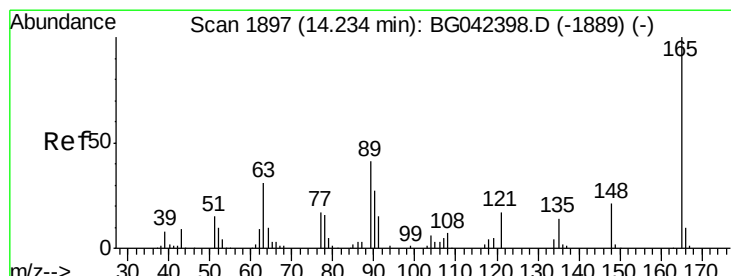
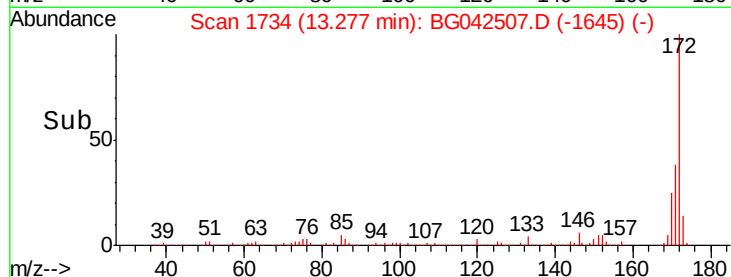
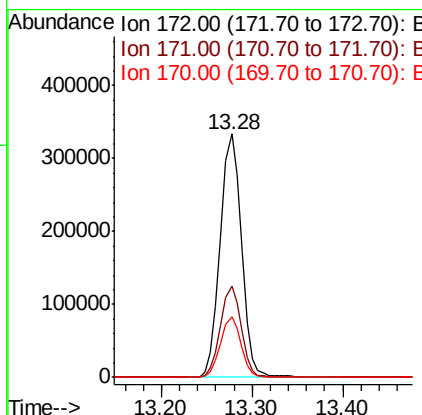
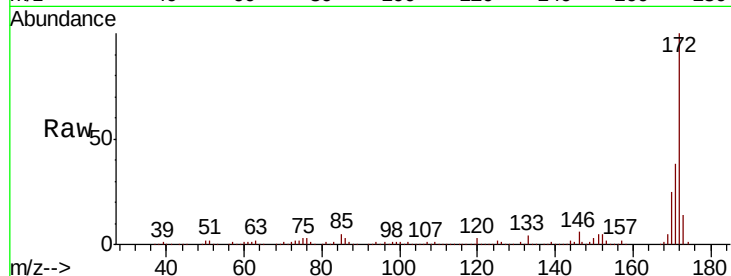




#45
 2-Fluorobiphenyl
 Concen: 103.966 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

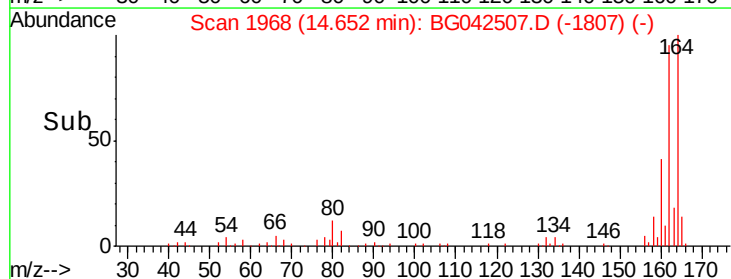
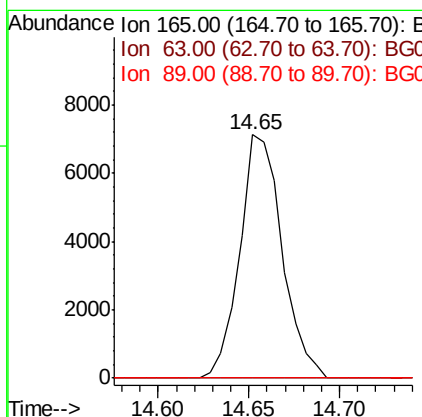
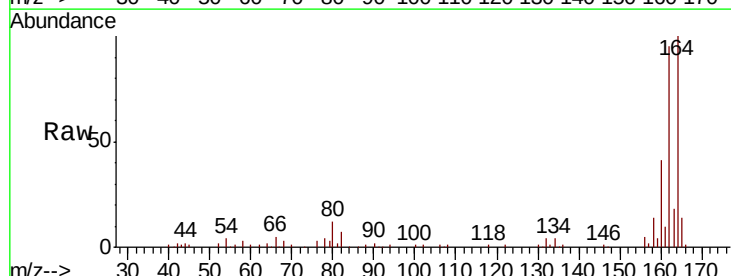
Instrument :
 BNA_G
 ClientSampled :

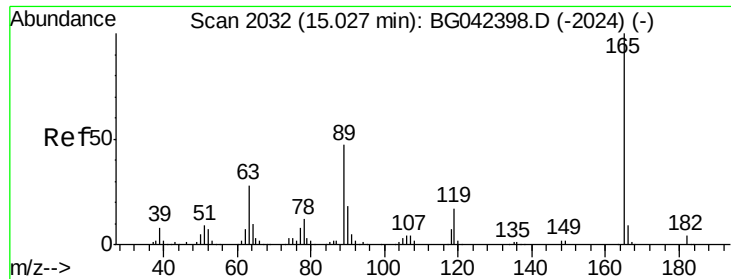
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.5	45.7
170	24.7	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.769 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.42 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.6	45.8#
89	0.0	32.6	49.0#

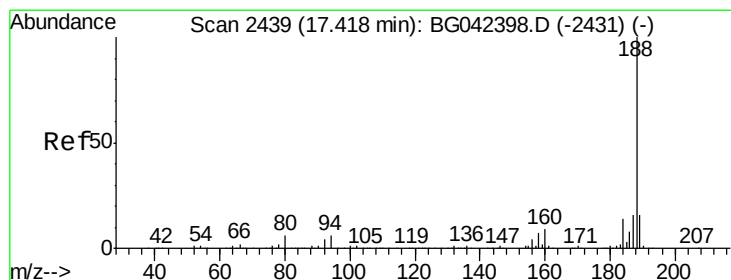
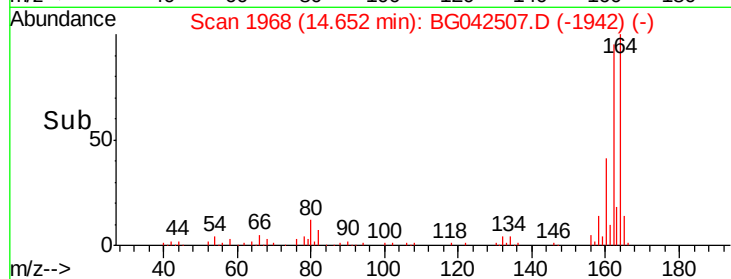
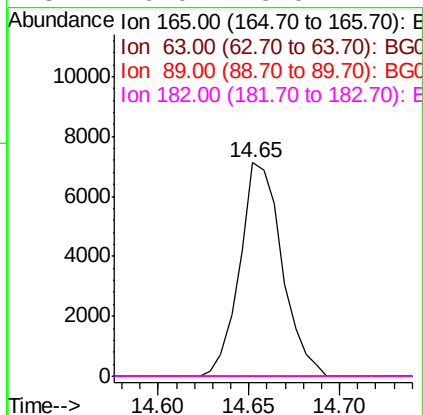
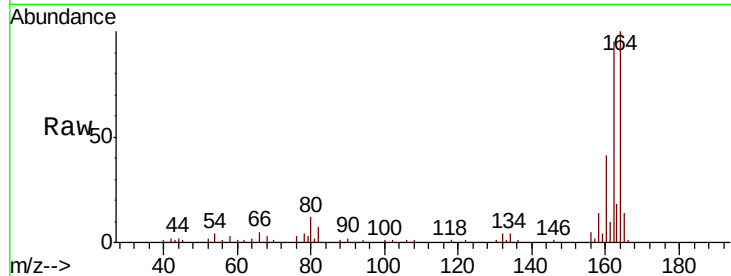




#57
 2,4-Dinitrotoluene
 Concen: 5.425 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.38 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

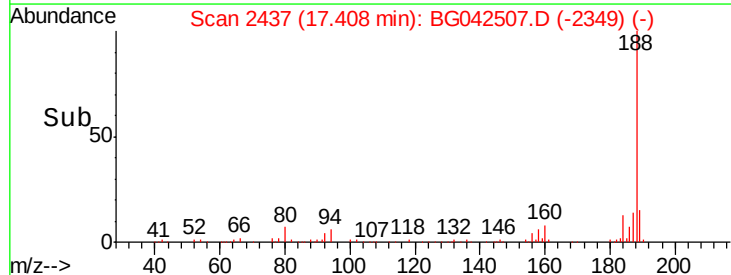
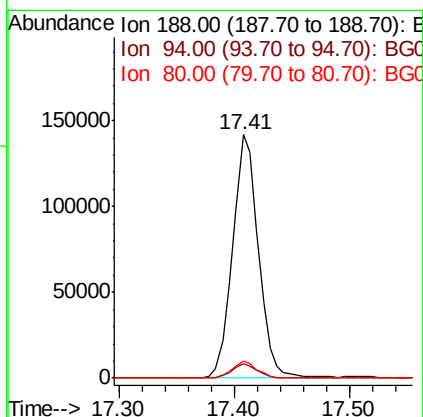
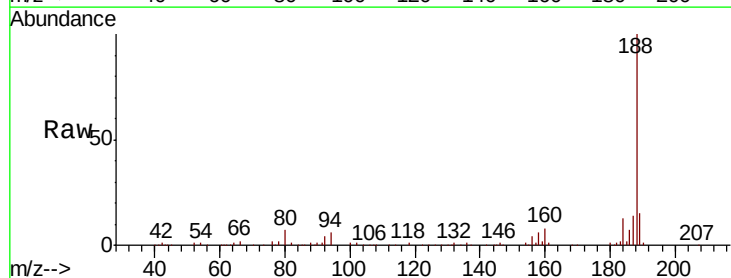
Instrument :
 BNA_G
 ClientSampleId :

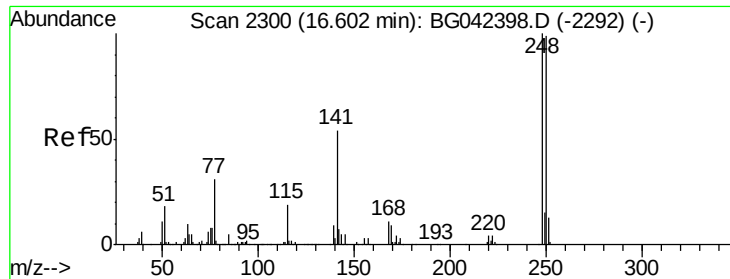
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	0.0	37.8	56.6#
182	0.0	3.0	4.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.5	6.7
80	6.8	4.9	7.3

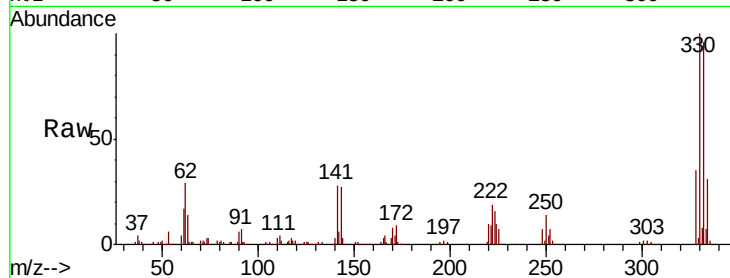




#67
 4-Bromophenyl-phenylether
 Concen: 4.798 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	205.2	78.9	118.3#
141	398.3	43.3	64.9#

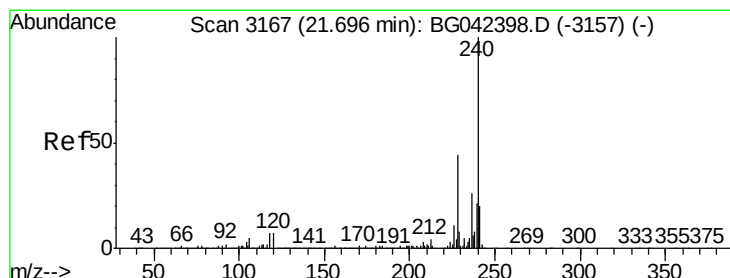
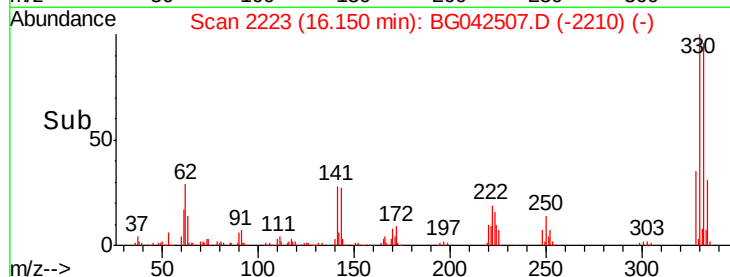
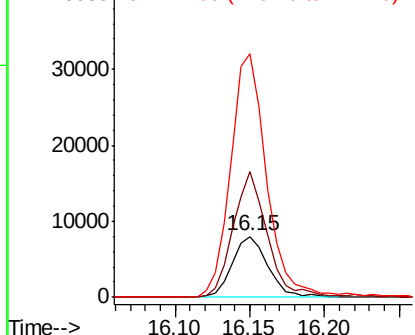


Abundance

Ion 248.00 (247.70 to 248.70): E

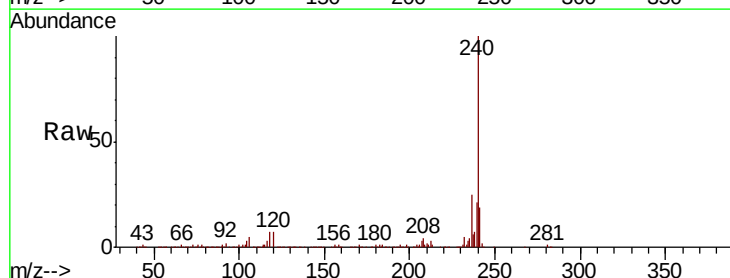
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.7	8.5
236	25.4	21.0	31.4

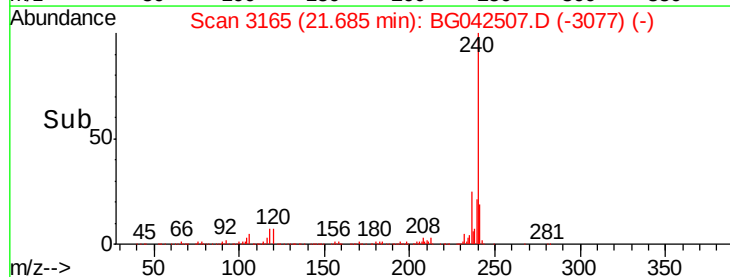
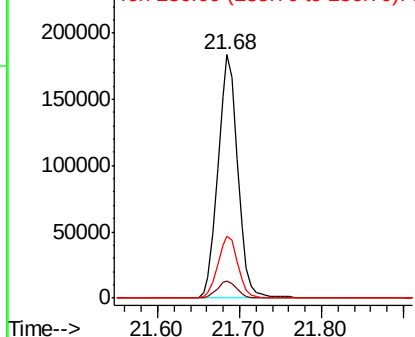


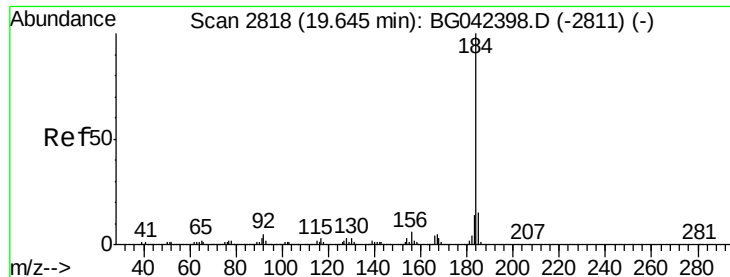
Abundance

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: 21.663 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

Instrument :

BNA_G

ClientSampleId :

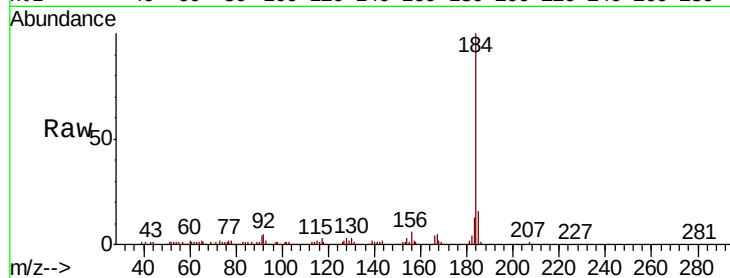
Tot Ion:184 Resp: 192109

Ion Ratio Lower Upper

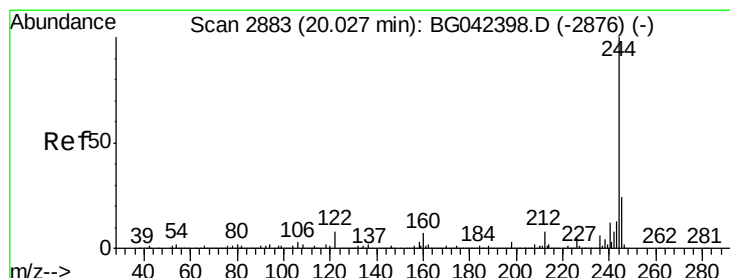
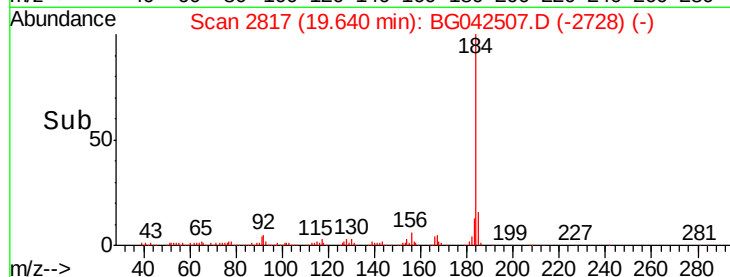
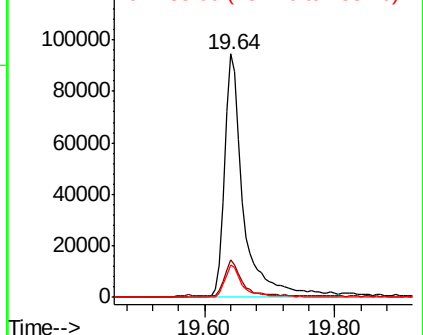
184 100

185 15.6 12.2 18.4

183 13.3 10.8 16.2



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: 89.268 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042507.D

Acq: 27 Aug 2019 16:56

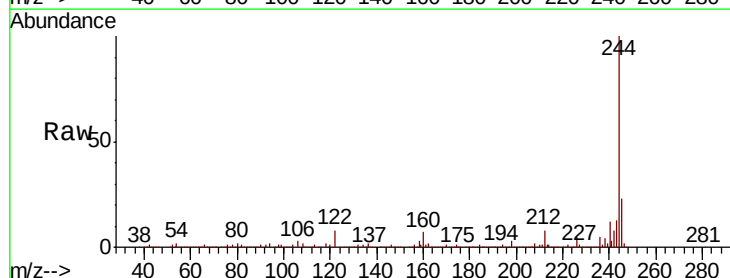
Tgt Ion:244 Resp: 1277162

Ion Ratio Lower Upper

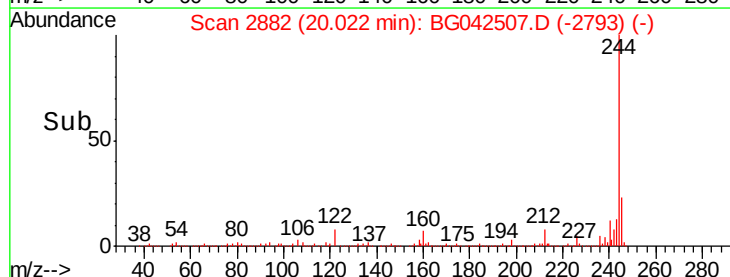
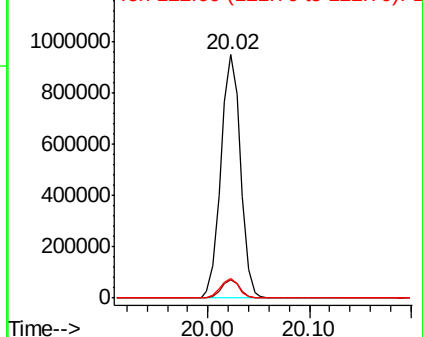
244 100

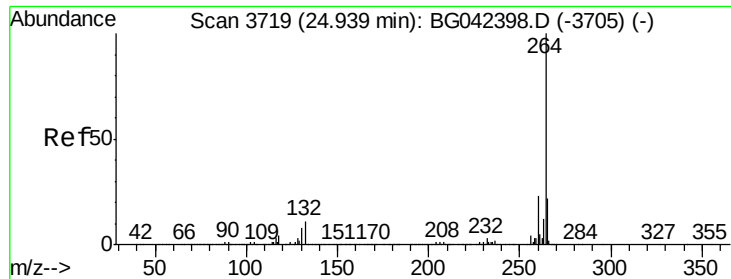
212 7.7 6.0 9.0

122 8.2 6.7 10.1



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: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042507.D
 Acq: 27 Aug 2019 16:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.1	17.6	26.4

