

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042360.D
 Acq On : 20 Aug 2019 15:47
 Operator : HP/JU
 Sample : k4386-28
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 21 03:22:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	68099	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	267918	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	192316	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	449852	20.00	ng	0.00
76) Chrysene-d12	21.69	240	477825	20.00	ng	0.00
87) Perylene-d12	24.93	264	546120	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	457709	136.18	ng	0.00
7) Phenol-d6	7.17	99	577058	126.42	ng	0.00
23) Nitrobenzene-d5	9.17	82	394324	103.52	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	399975	152.70	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1167421	102.72	ng	0.00
79) Terphenyl-d14	20.03	244	2046618	93.81	ng	0.00

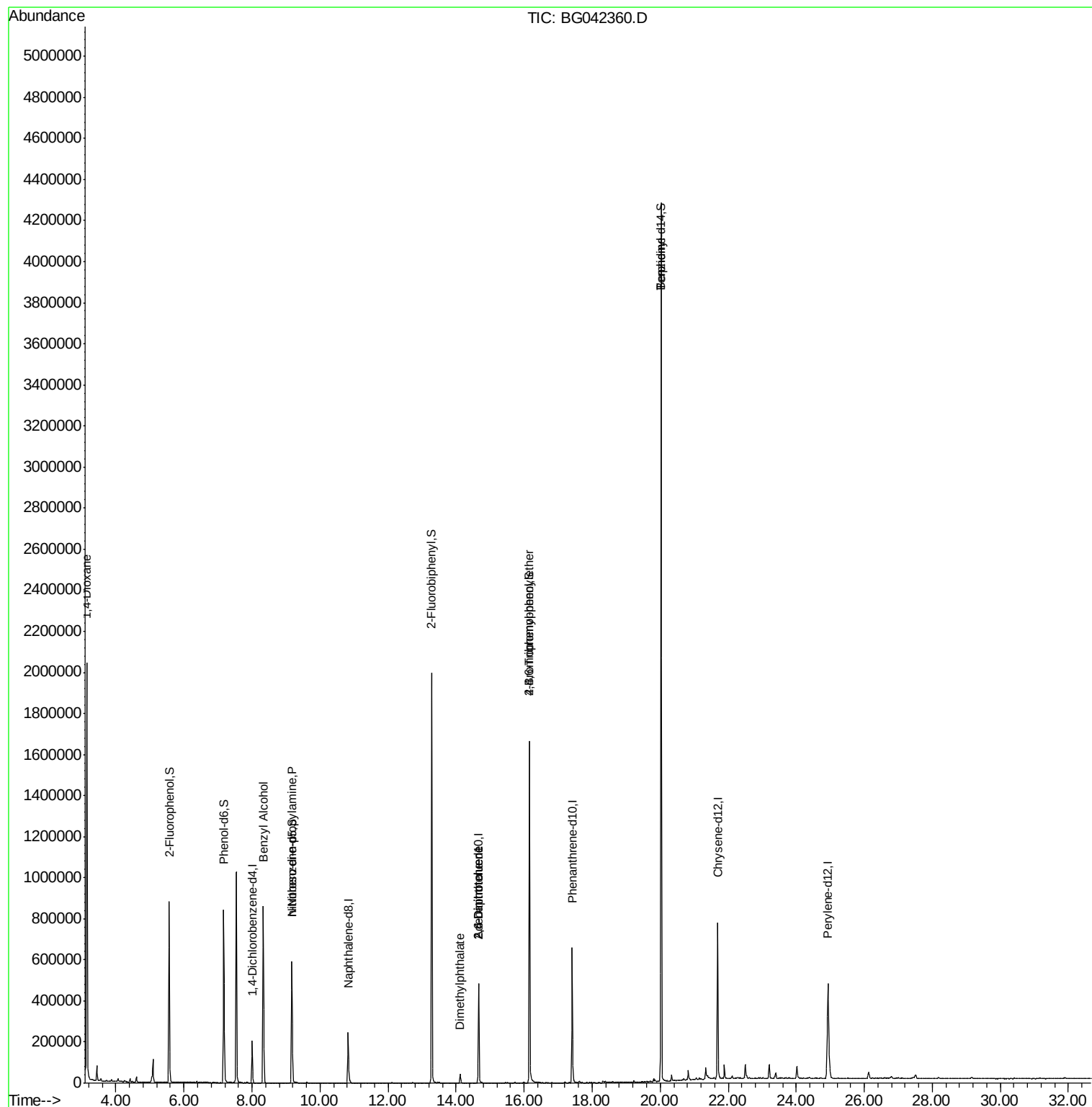
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	24378	16.819	ng	# 1
15) Benzyl Alcohol	8.33	79	6335	2.018	ng	# 46
19) n-Nitroso-di-n-propylamine	9.17	70	50202	17.098	ng	# 72
50) Dimethylphthalate	14.12	163	48813	3.572	ng	# 99
51) 2,6-Dinitrotoluene	14.66	165	24848	7.769	ng	# 38
57) 2,4-Dinitrotoluene	14.66	165	24848	5.557	ng	# 36
67) 4-Bromophenyl-phenylether	16.15	248	28404	4.962	ng	# 1
77) Benzidine	20.03	184	30773	2.429	ng	# 94

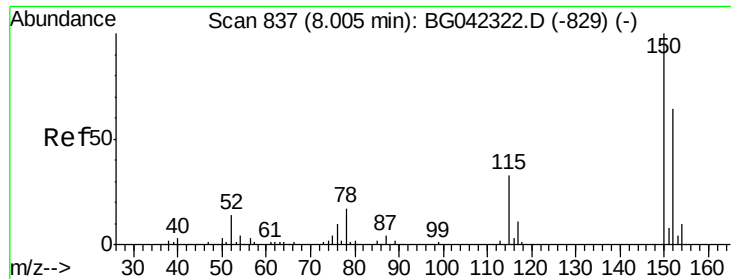
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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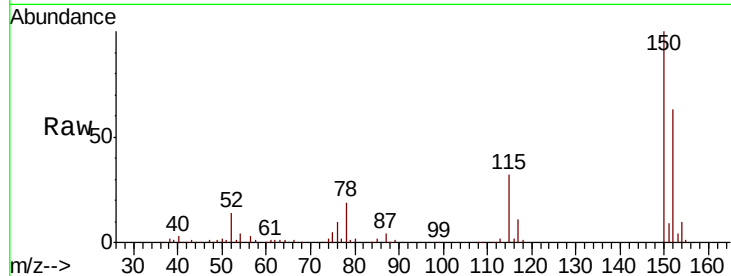


#1

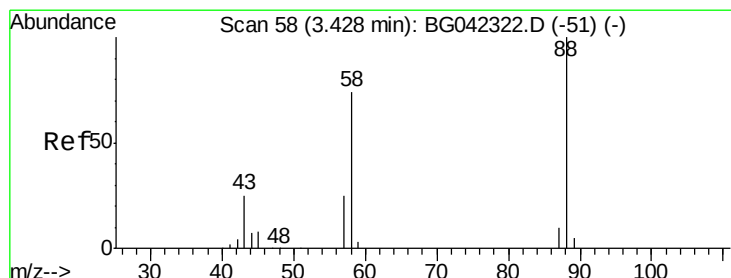
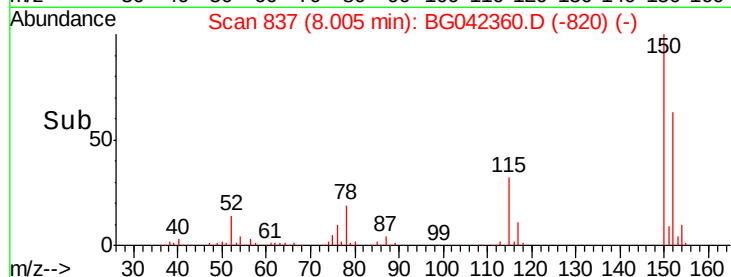
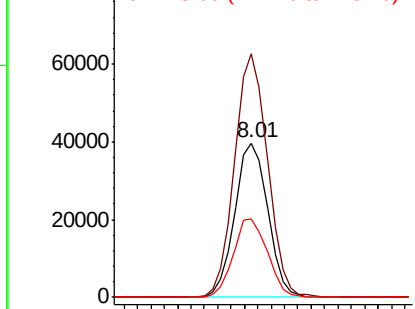
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: BG042360.D
 Acq: 20 Aug 2019 15:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 68099
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.3 186.5
 115 50.7 40.5 60.7



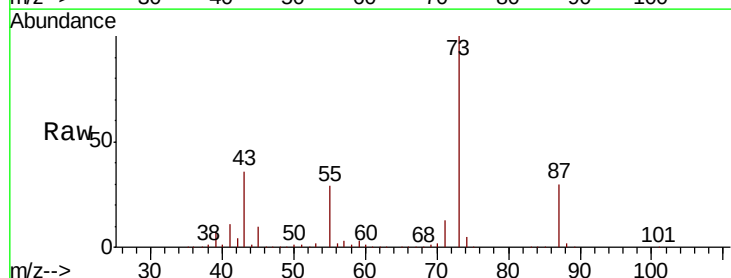
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



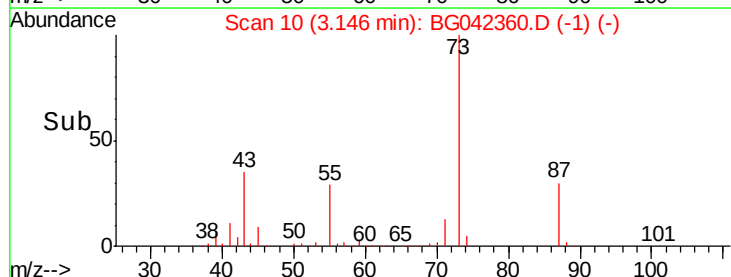
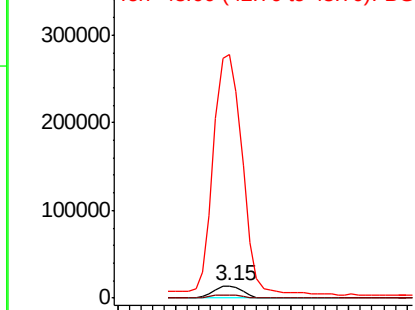
#2

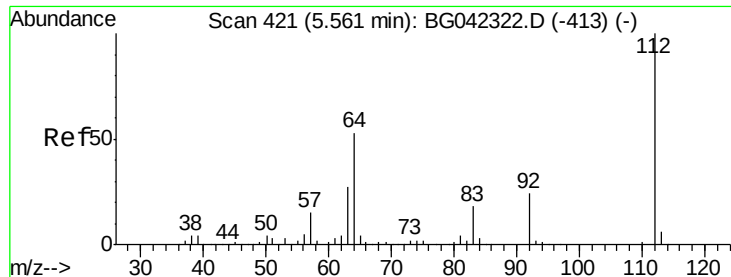
1,4-Dioxane
 Concen: 16.819 ng
 RT: 3.15 min Scan# 10
 Delta R.T. -0.28 min
 Lab File: BG042360.D
 Acq: 20 Aug 2019 15:47

Tgt Ion: 88 Resp: 24378
 Ion Ratio Lower Upper
 88 100
 58 24.4 58.6 88.0#
 43 1948.3 19.4 29.0#



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: 136.179 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

Instrument :

BNA_G

ClientSampled :

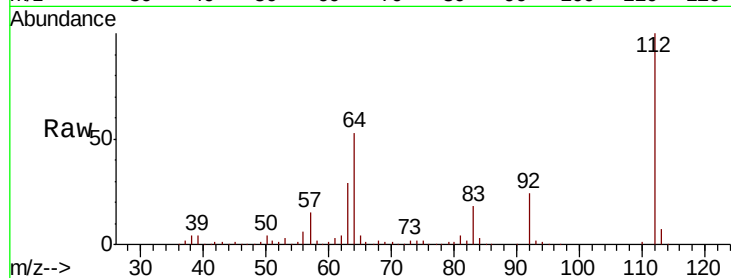
Tot Ion:112 Resp: 457709

Ion Ratio Lower Upper

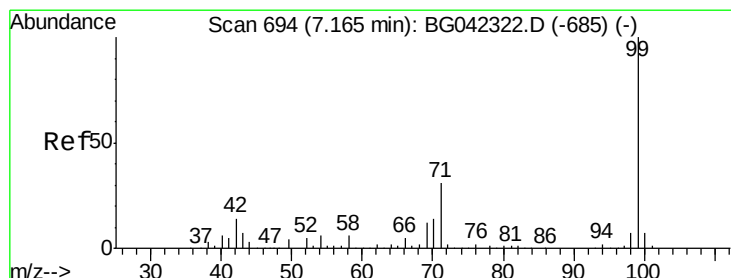
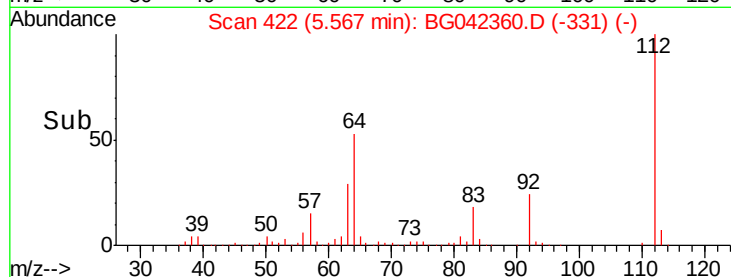
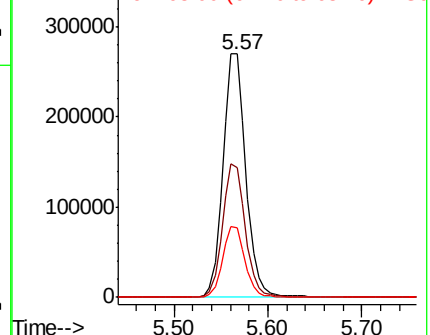
112 100

64 53.2 42.5 63.7

63 28.5 21.7 32.5



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: 126.415 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

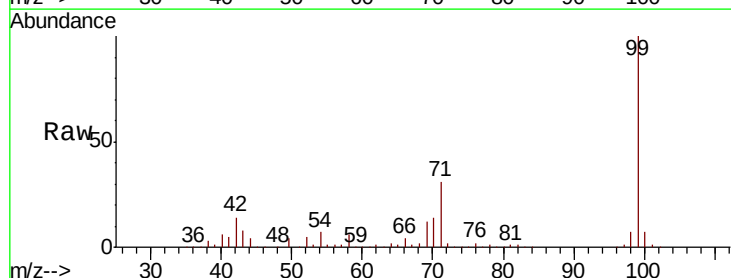
Tgt Ion: 99 Resp: 577058

Ion Ratio Lower Upper

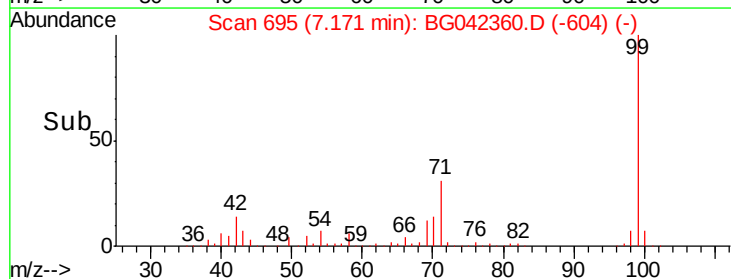
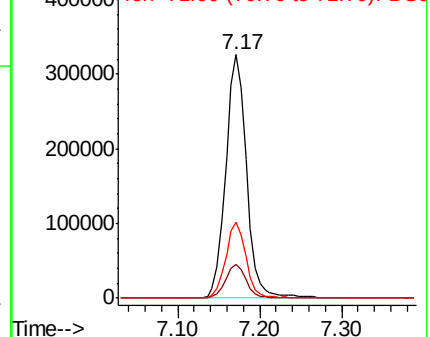
99 100

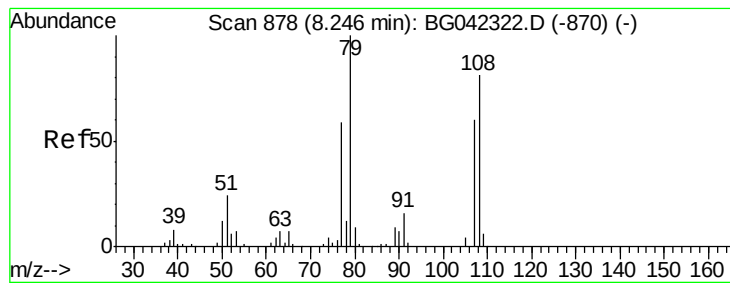
42 14.0 11.4 17.0

71 31.3 25.1 37.7



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: 2.018 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.08 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

Instrument :

BNA_G

ClientSampled :

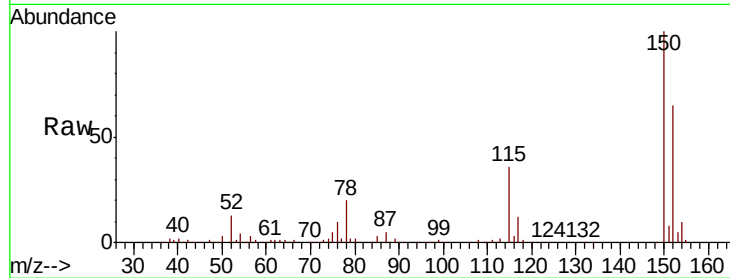
Tot Ion: 79 Resp: 6335

Ion Ratio Lower Upper

79 100

108 33.9 64.8 97.2#

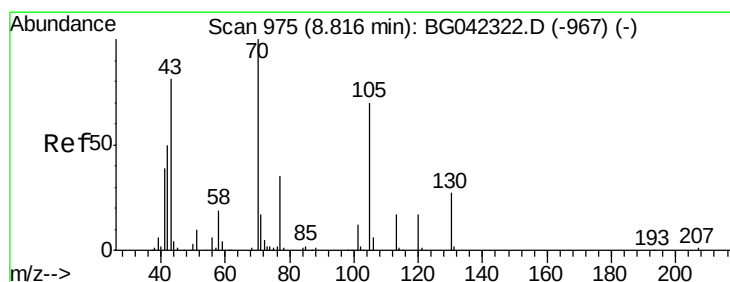
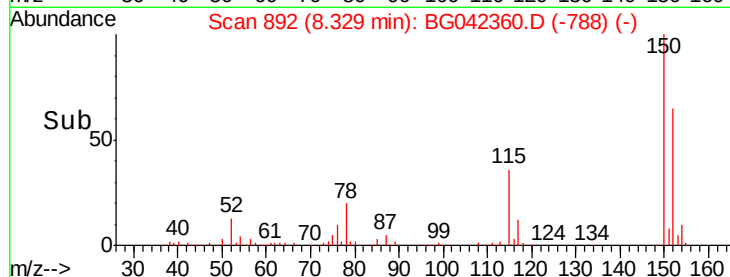
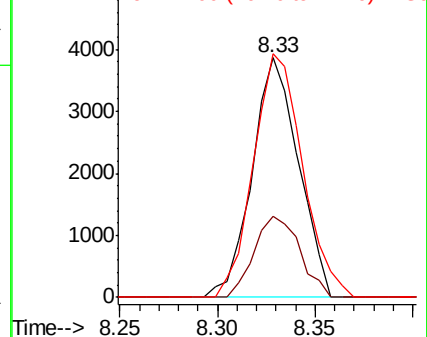
77 101.7 47.6 71.4#



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: 17.098 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

Tgt Ion: 70 Resp: 50202

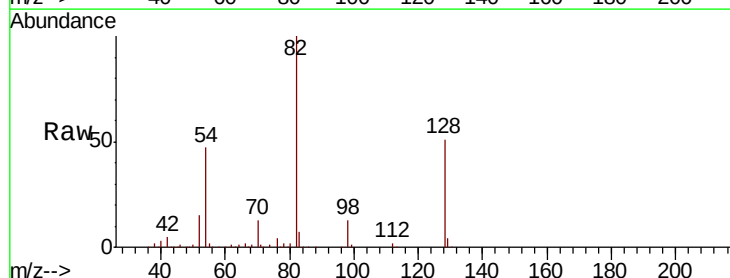
Ion Ratio Lower Upper

70 100

42 38.3 40.5 60.7#

101 0.0 9.3 13.9#

130 2.8 22.0 33.0#

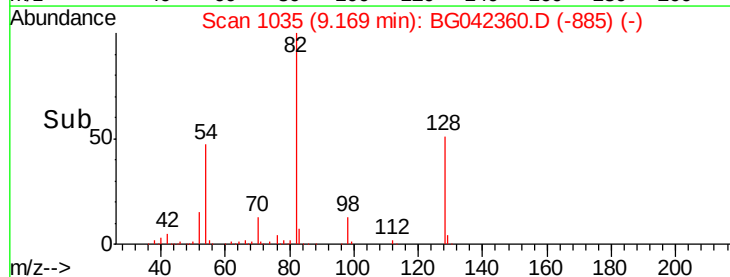
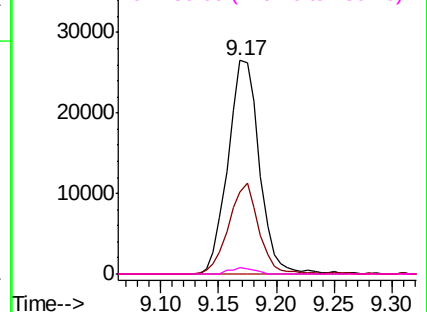


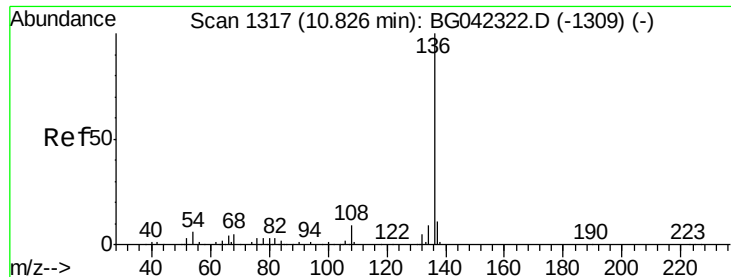
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

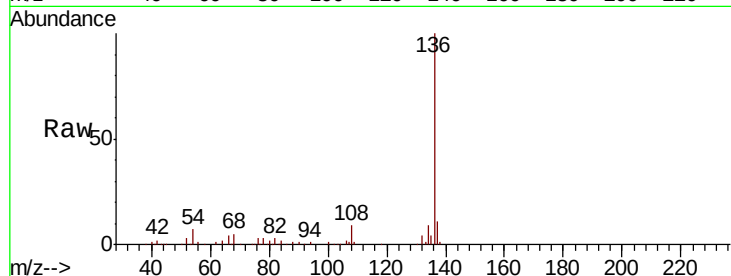




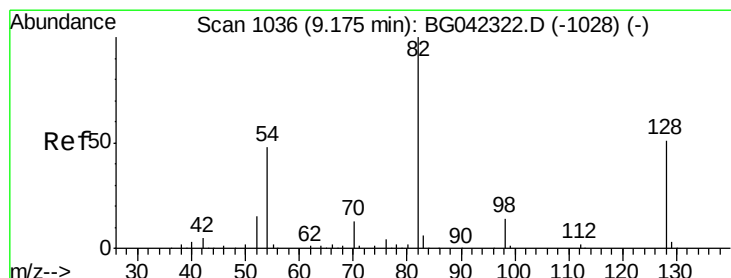
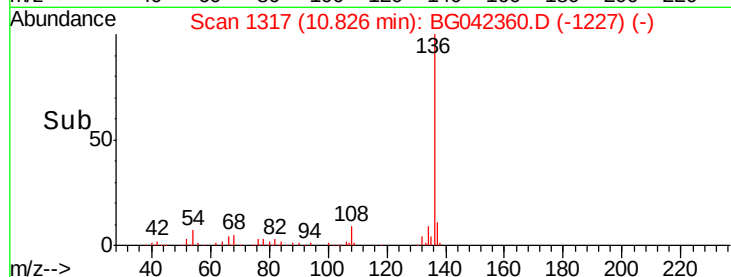
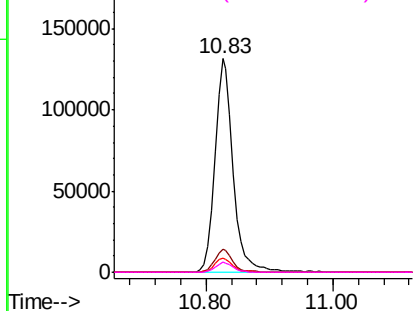
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	267918
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.4 12.6
54	6.6	5.0 7.4
68	4.6	3.8 5.8

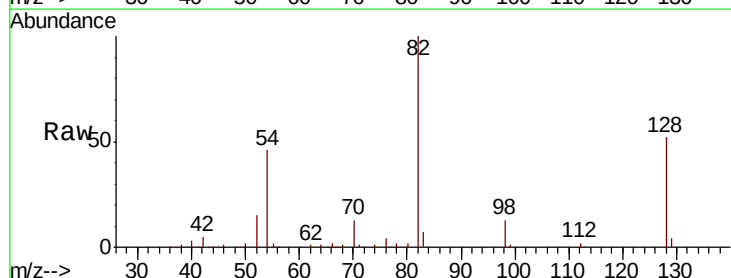


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

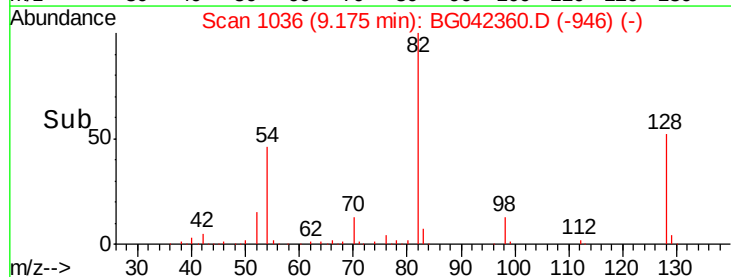
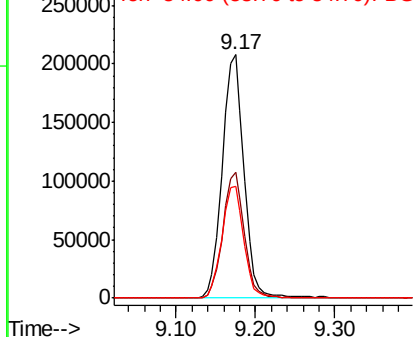


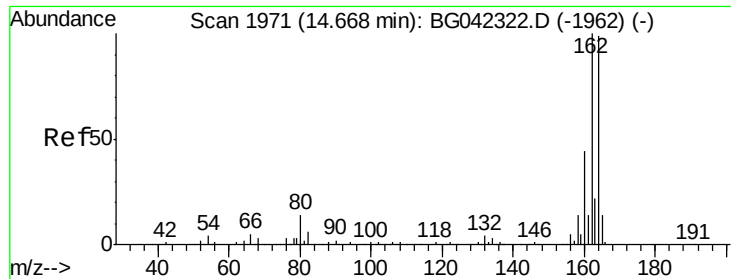
#23
Nitrobenzene-d5
Concen: 103.517 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

Tgt Ion: 82	Resp:	394324
Ion	Ratio	Lower Upper
82	100	
128	51.9	41.0 61.4
54	45.9	38.0 57.0



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

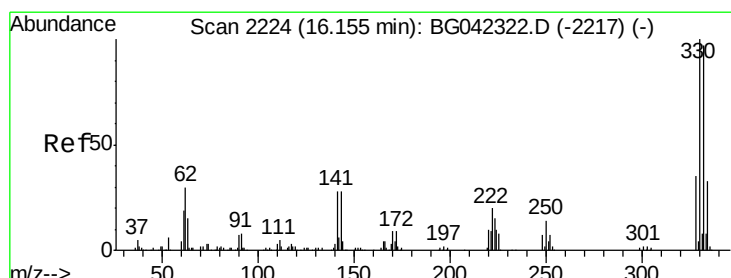
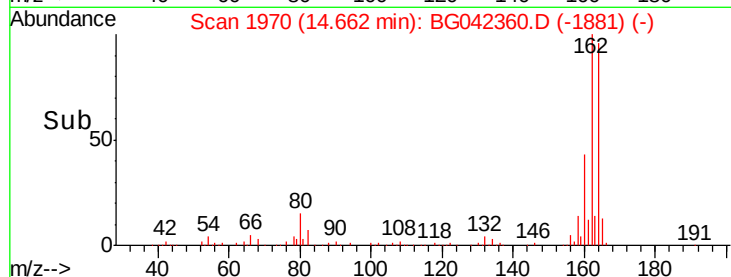
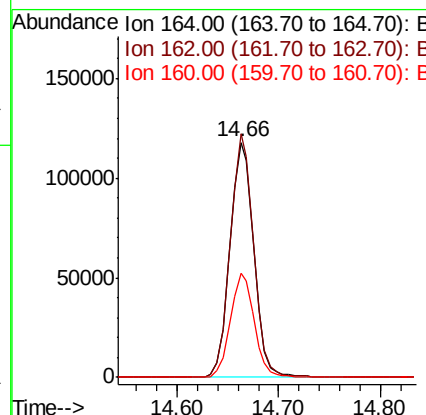
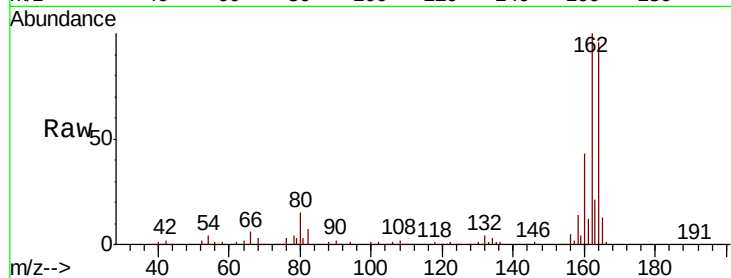




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

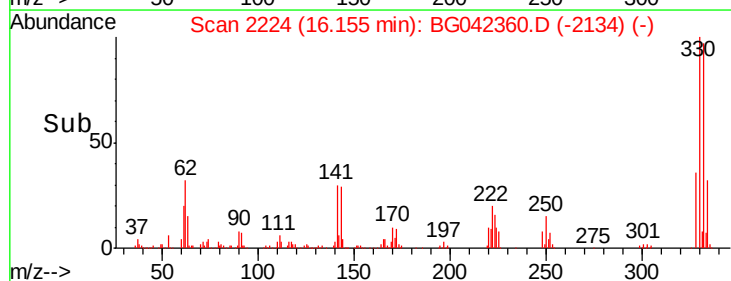
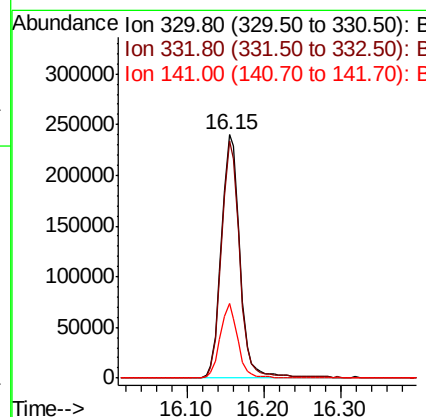
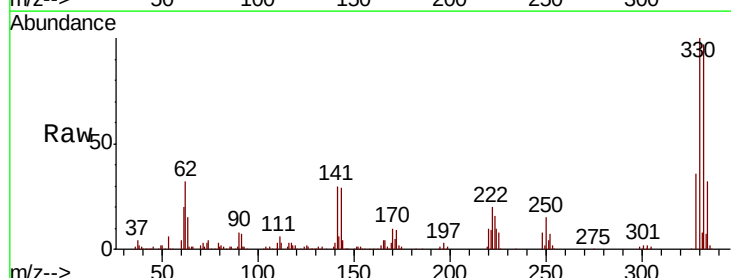
Instrument :
BNA_G
ClientSampleId :

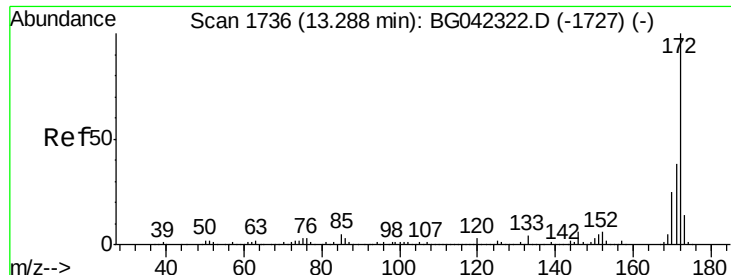
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.6	120.8
160	44.6	35.7	53.5



#42
2,4,6-Tribromophenol
Concen: 152.703 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	28.9	21.8	32.6

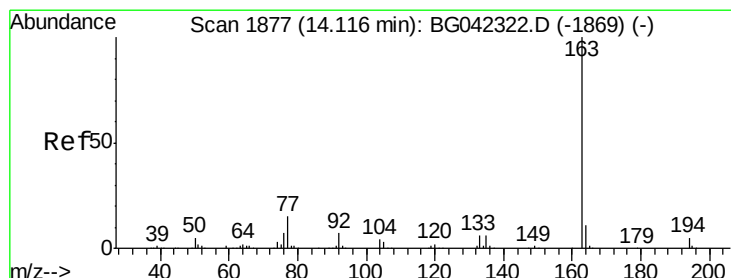
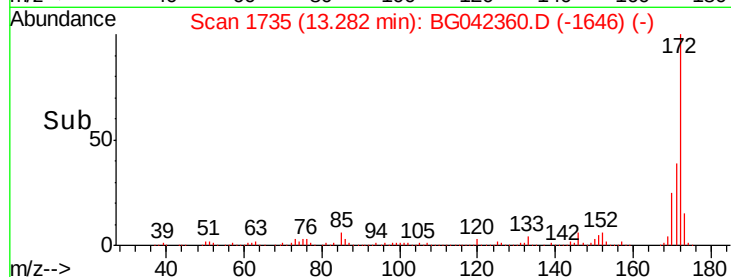
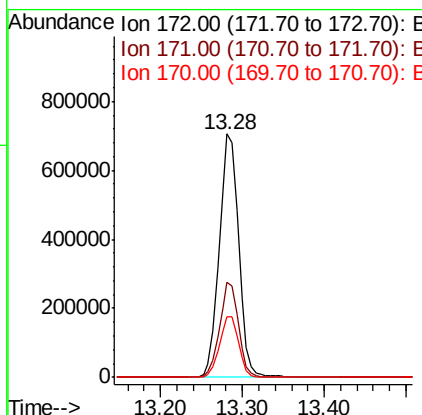
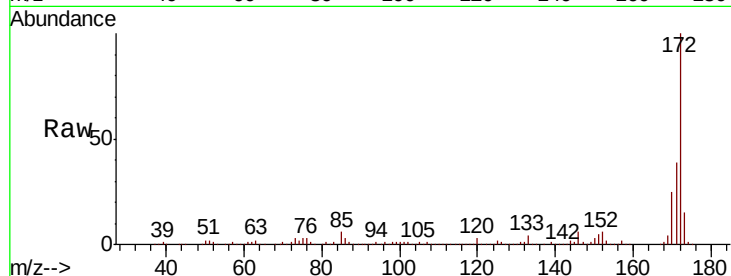




#45
2-Fluorobiphenyl
Concen: 102.720 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.01 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

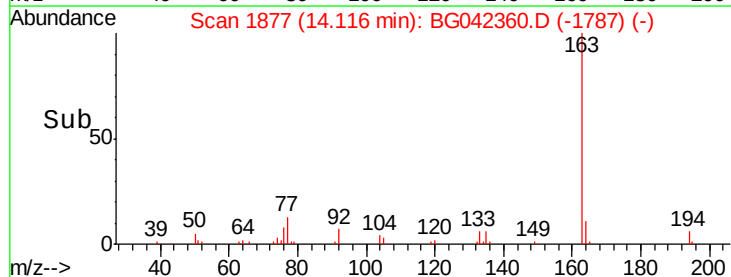
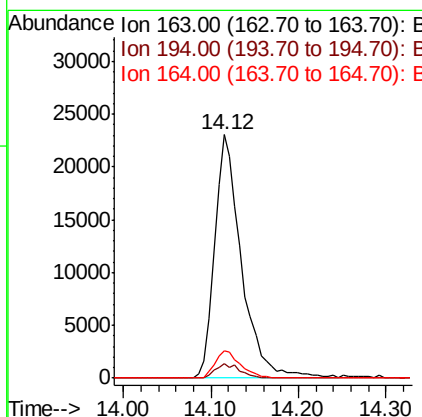
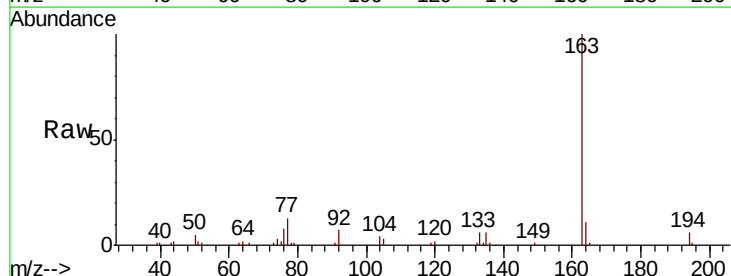
Instrument :
BNA_G
ClientSampleId :

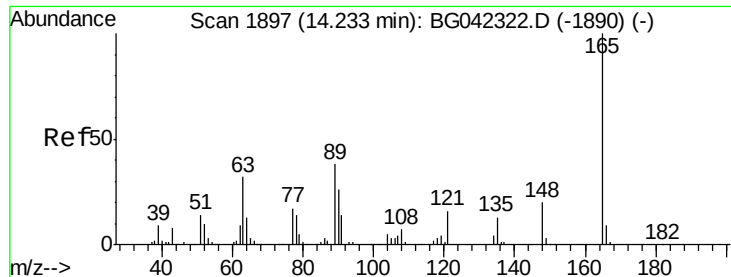
Tot Ion:172 Resp: 1167421
Ion Ratio Lower Upper
172 100
171 38.9 30.3 45.5
170 25.0 20.0 30.0



#50
Dimethylphthalate
Concen: 3.572 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

Tgt Ion:163 Resp: 48813
Ion Ratio Lower Upper
163 100
194 5.7 4.2 6.2
164 11.2 8.8 13.2

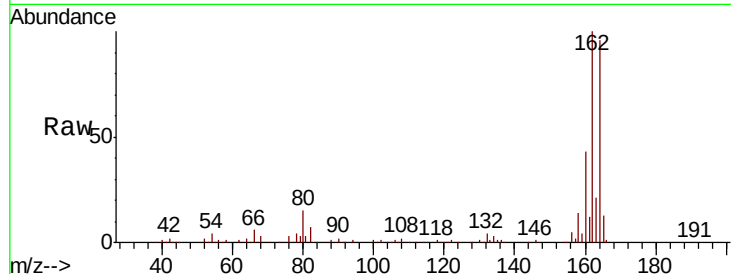




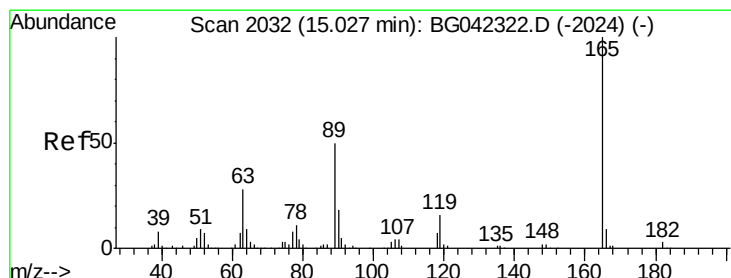
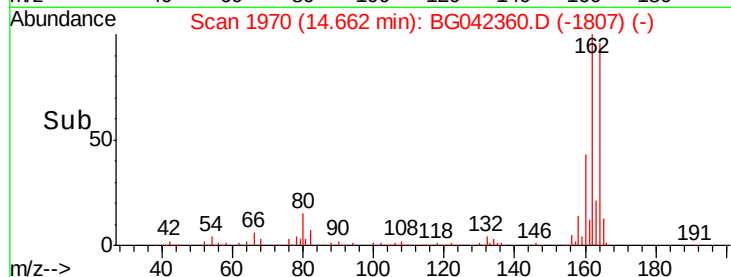
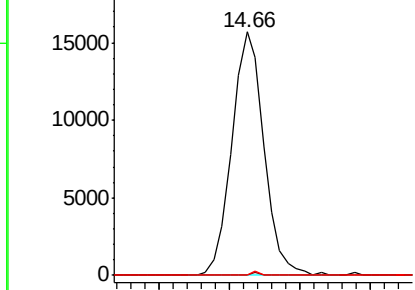
#51
 2,6-Dinitrotoluene
 Concen: 7.769 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042360.D
 Acq: 20 Aug 2019 15:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.2	42.2#
89	0.0	30.0	45.0#



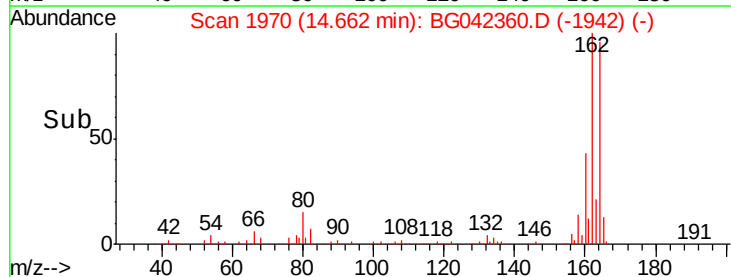
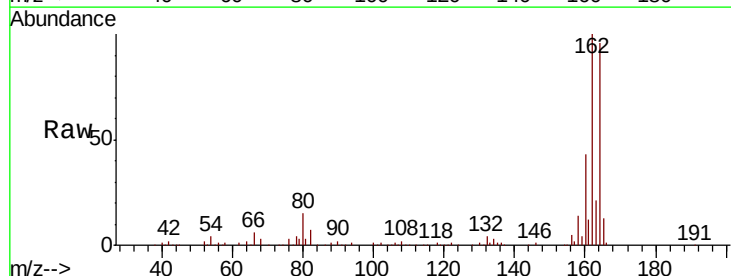
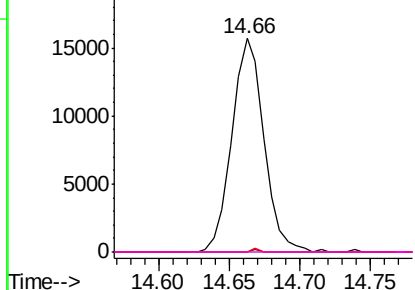
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

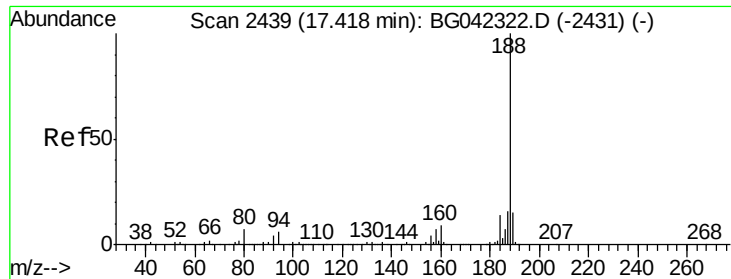


#57
 2,4-Dinitrotoluene
 Concen: 5.557 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042360.D
 Acq: 20 Aug 2019 15:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	0.0	40.2	60.2#
182	0.0	2.6	3.8#

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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

Instrument :

BNA_G

ClientSampleId :

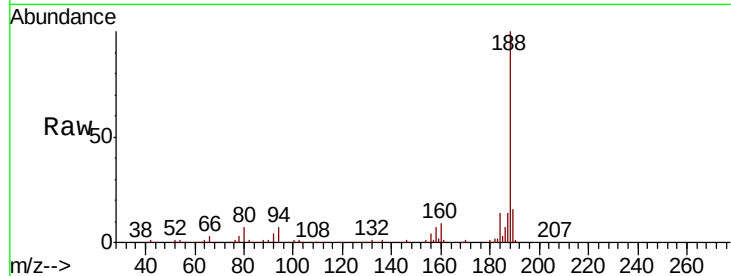
Tot Ion:188 Resp: 449852

Ion Ratio Lower Upper

188 100

94 6.9 4.9 7.3

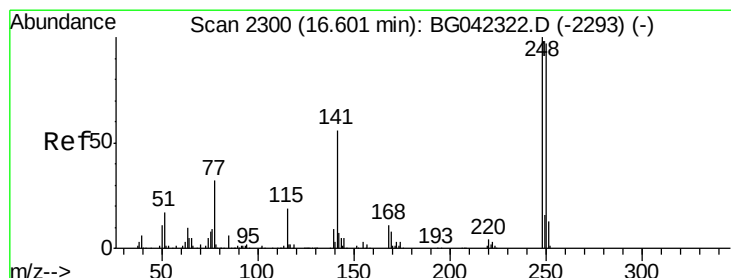
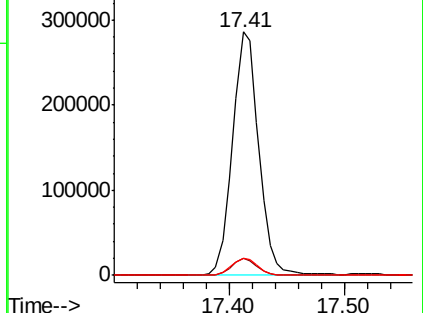
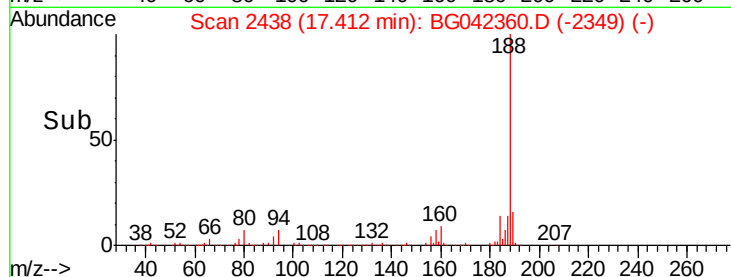
80 7.1 5.4 8.0



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: 4.962 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.45 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

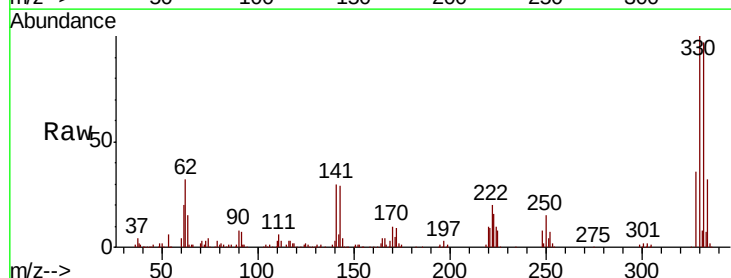
Tgt Ion:248 Resp: 28404

Ion Ratio Lower Upper

248 100

250 190.0 78.0 117.0#

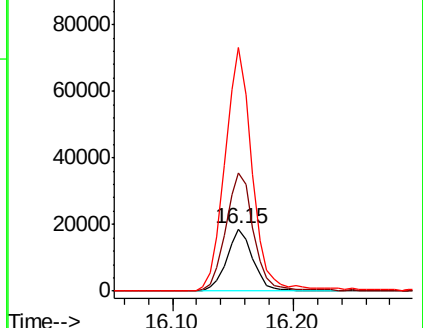
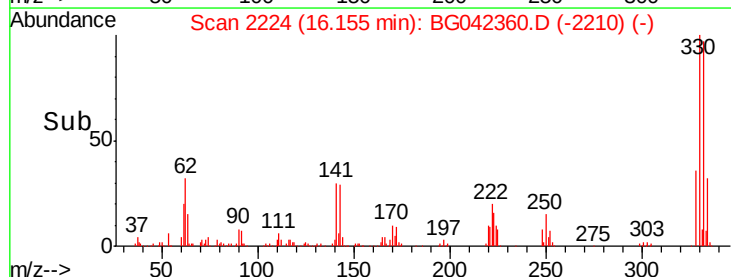
141 391.6 44.9 67.3#

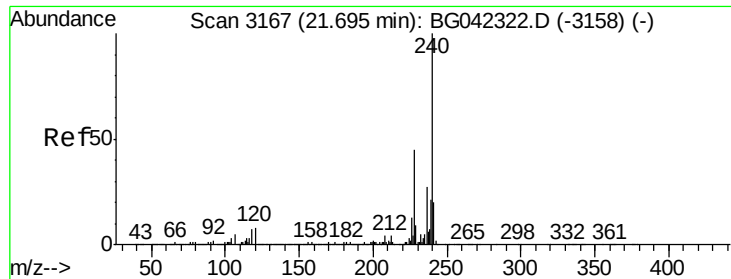


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

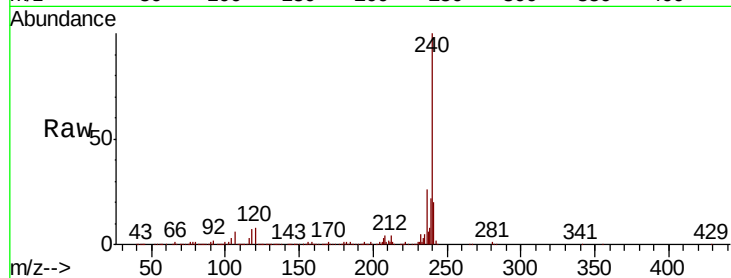




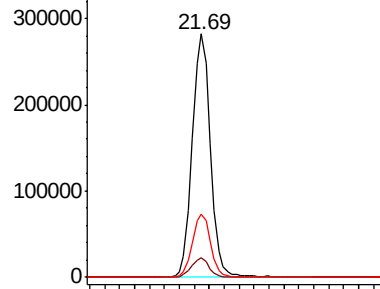
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

Instrument :
BNA_G
ClientSampleId :

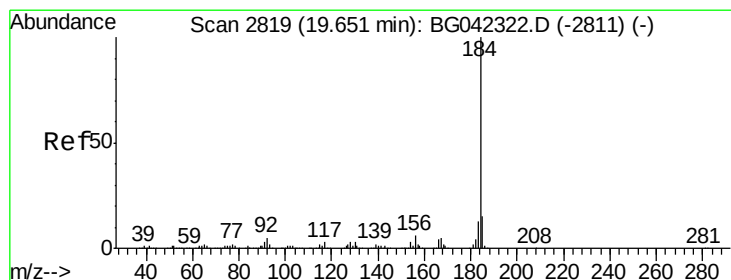
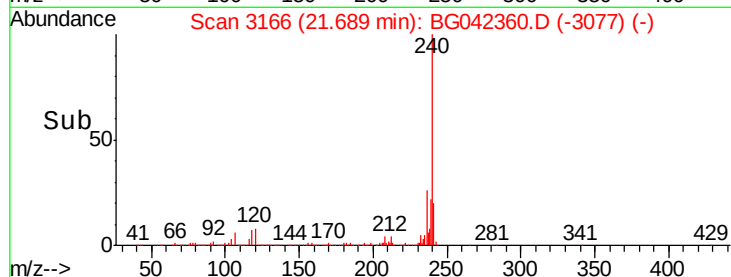
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.0	9.0
236	26.1	21.6	32.4



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

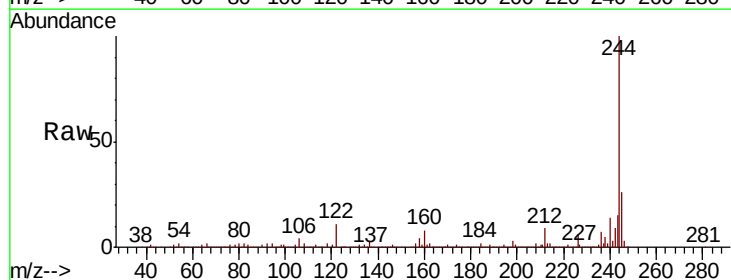


Time-->

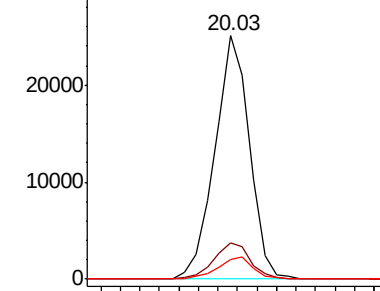


#77
Benzidine
Concen: 2.429 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042360.D
Acq: 20 Aug 2019 15:47

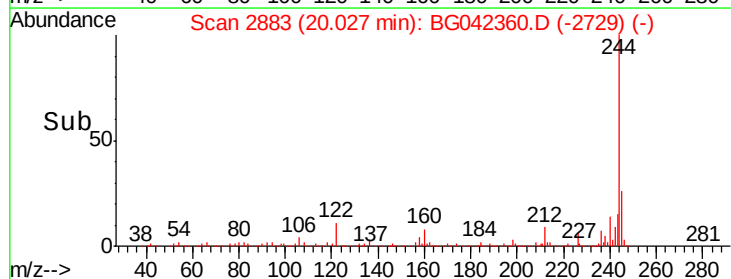
Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.6
183	8.2	10.6	15.8#

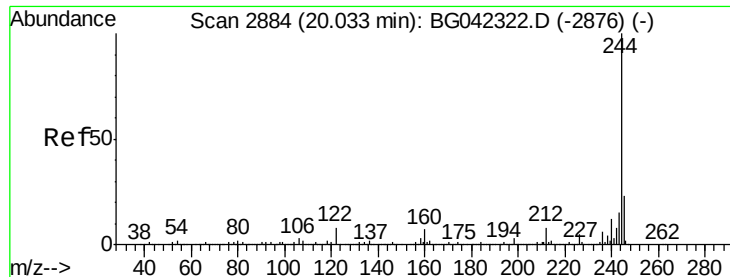


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 93.814 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

Instrument :

BNA_G

ClientSampleId :

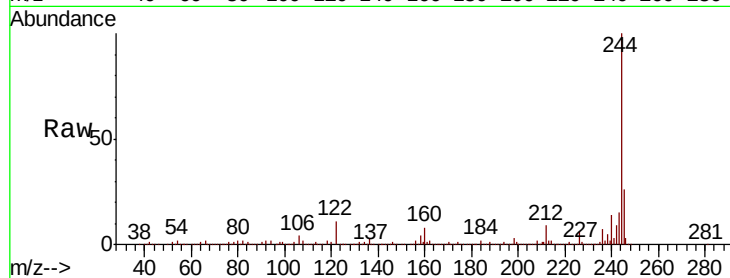
Tot Ion:244 Resp: 2046618

Ion Ratio Lower Upper

244 100

212 9.0 6.4 9.6

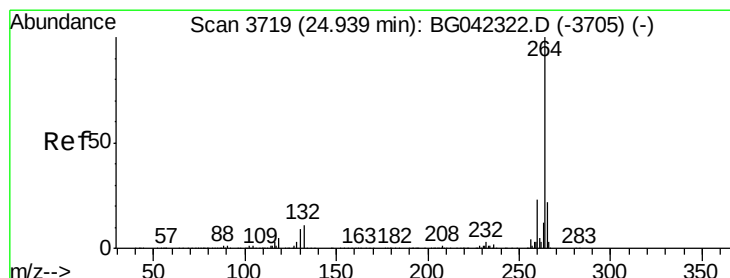
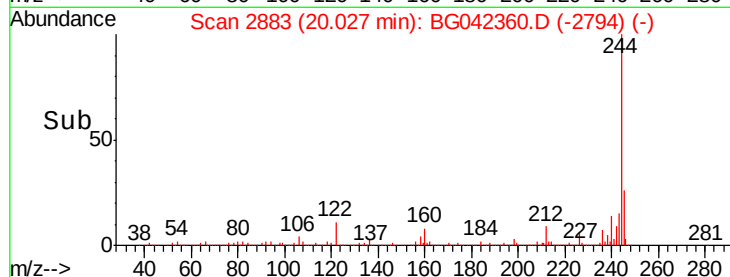
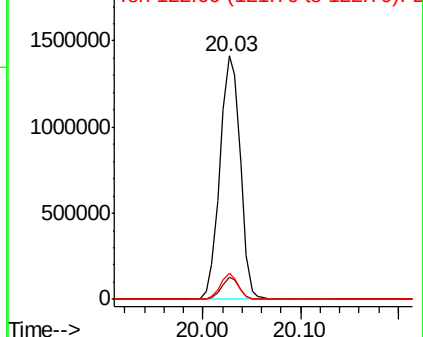
122 10.6 6.6 10.0#



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: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042360.D

Acq: 20 Aug 2019 15:47

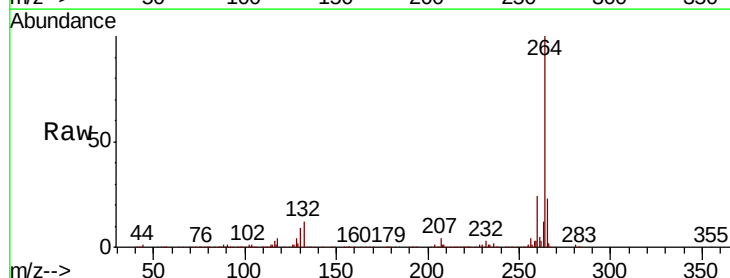
Tgt Ion:264 Resp: 546120

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.5 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

