

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043408.D
 Acq On : 30 Oct 2019 19:54
 Operator : JU
 Sample : K5501-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:09:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

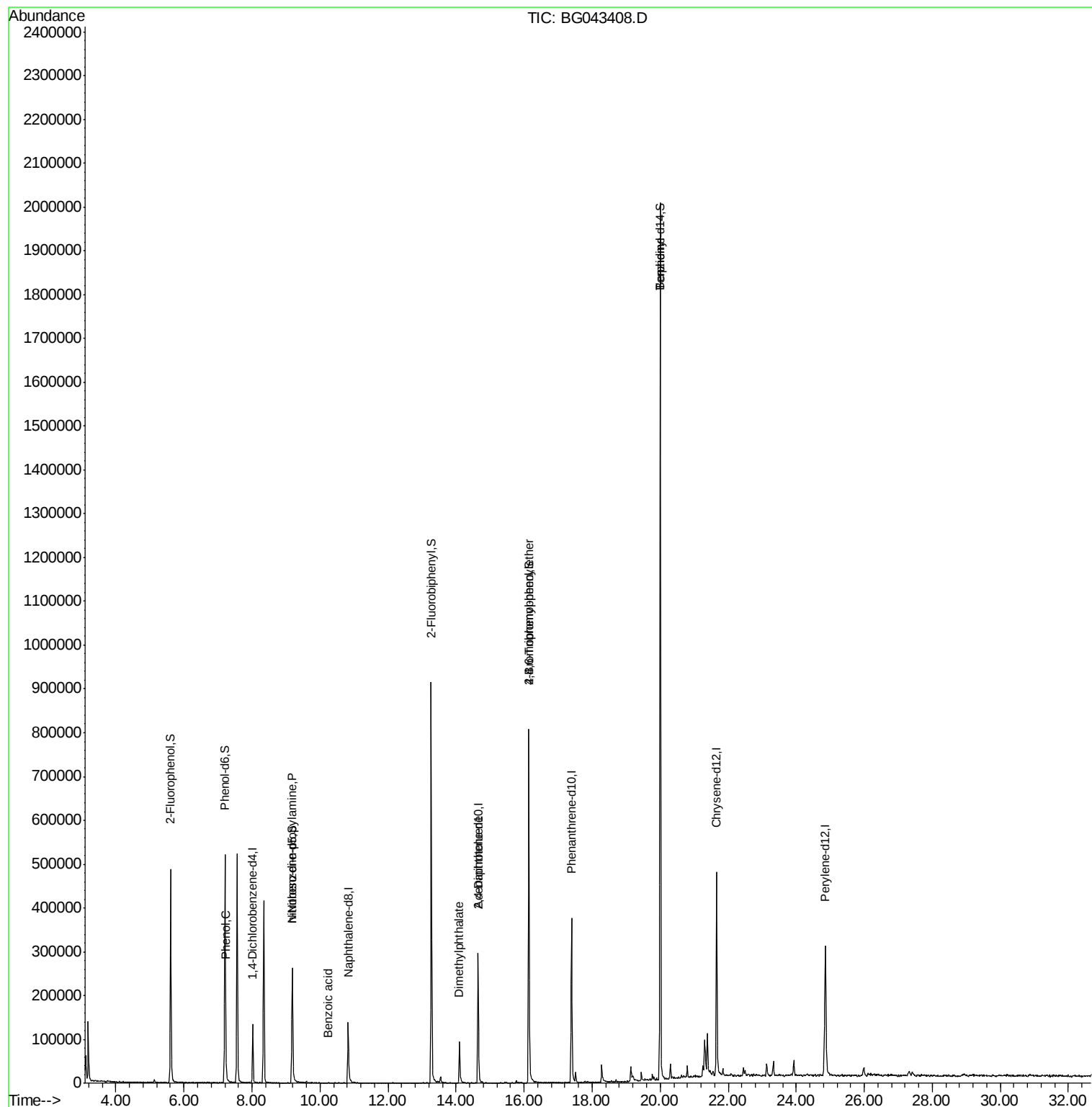
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	43376	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	153130	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	116909	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	283223	20.00	ng	0.00
76) Chrysene-d12	21.66	240	315606	20.00	ng	0.00
87) Perylene-d12	24.86	264	361213	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	229519	96.96	ng	0.00
7) Phenol-d6	7.21	99	333676	97.98	ng	0.00
23) Nitrobenzene-d5	9.19	82	195739	65.90	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	203736	91.58	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	550498	65.07	ng	0.00
79) Terphenyl-d14	20.00	244	1102459	65.53	ng	0.00
Target Compounds						
10) Phenol	7.23	94	12749	4.097	ng	# 74
19) n-Nitroso-di-n-propylamine	9.19	70	28820	13.096	ng	# 74
32) Benzoic acid	10.24	122	61	9.082	ng	# 1
50) Dimethylphthalate	14.10	163	81218	8.969	ng	99
57) 2,4-Dinitrotoluene	14.64	165	14525	5.166	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	13546	3.554	ng	# 1
77) Benzidine	20.00	184	16193	2.549	ng	# 91

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

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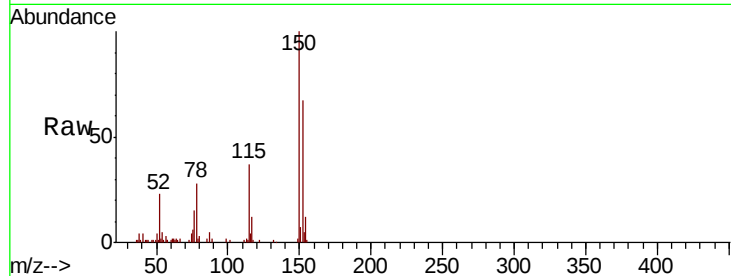


#1

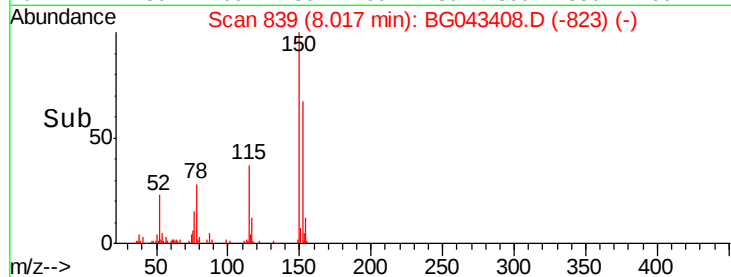
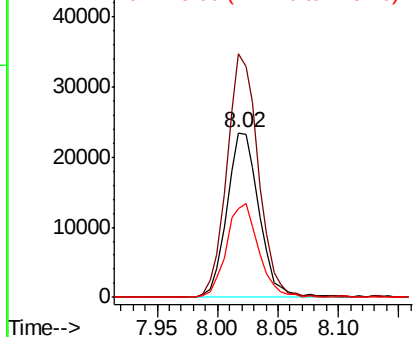
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	43376
Ion Ratio	100	Lower	Upper
150	148.2	113.6	170.4
115	54.4	45.9	68.9



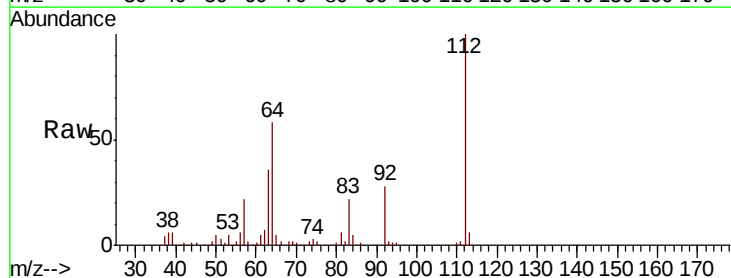
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



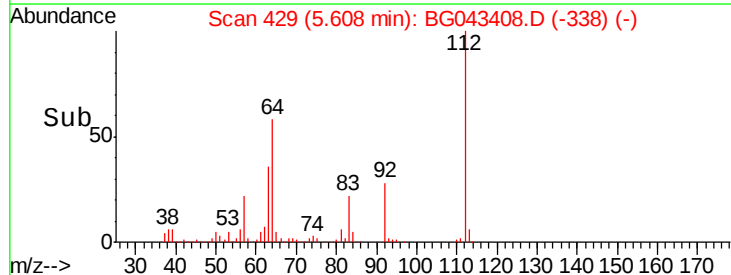
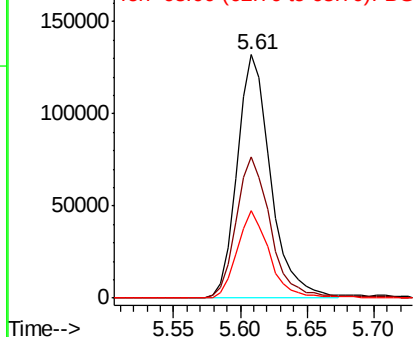
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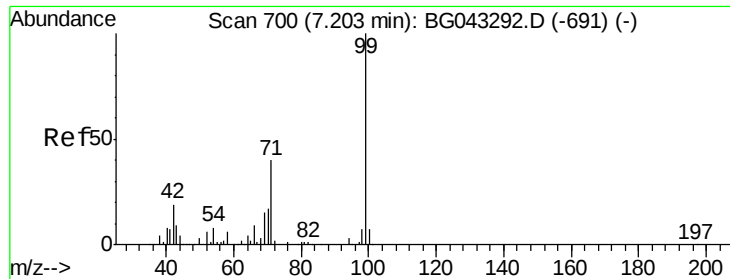
2-Fluorophenol
Concen: 96.962 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Tgt Ion	112	Resp	229519
Ion Ratio	100	Lower	Upper
64	58.2	50.2	75.2
63	35.7	26.7	40.1



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: 97.975 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

Instrument :

BNA_G

ClientSampled :

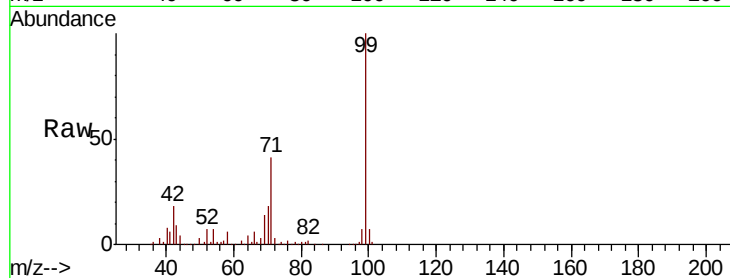
Tot Ion: 99 Resp: 333676

Ion Ratio Lower Upper

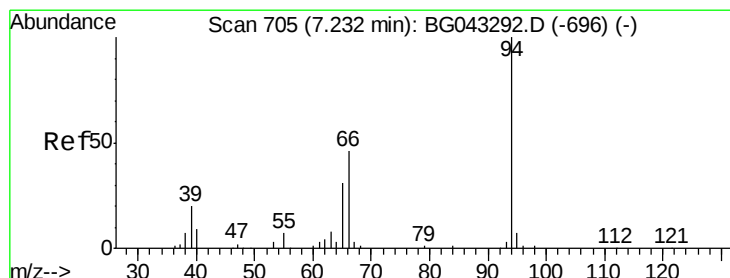
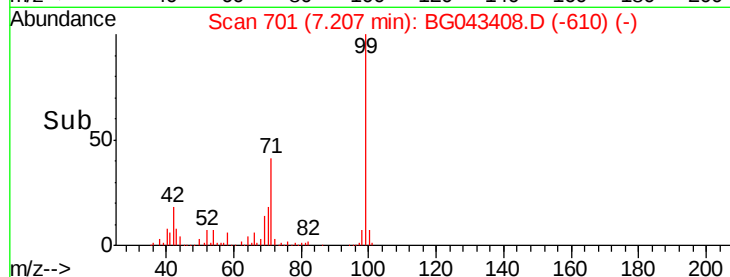
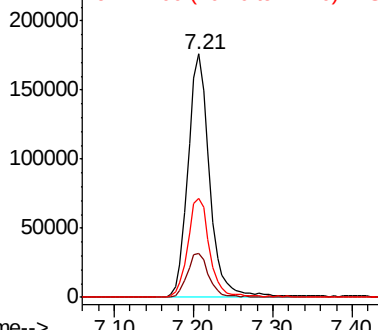
99 100

42 18.3 14.9 22.3

71 40.6 32.2 48.2



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



#10

Phenol

Concen: 4.097 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

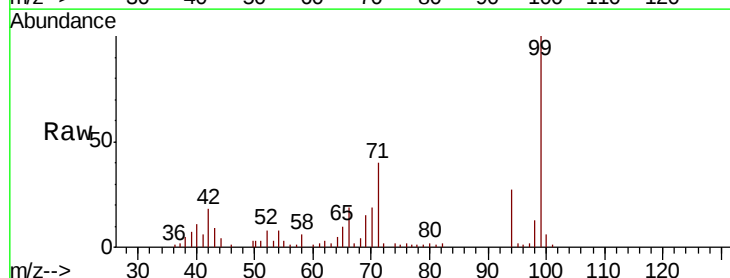
Tgt Ion: 94 Resp: 12749

Ion Ratio Lower Upper

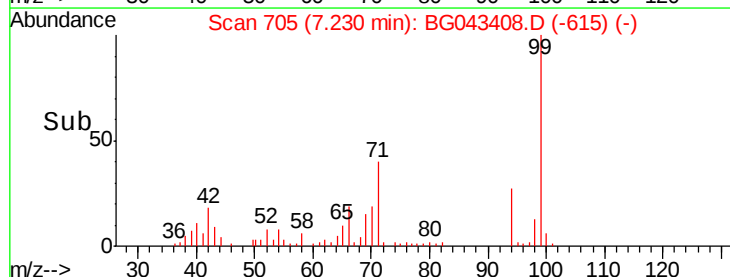
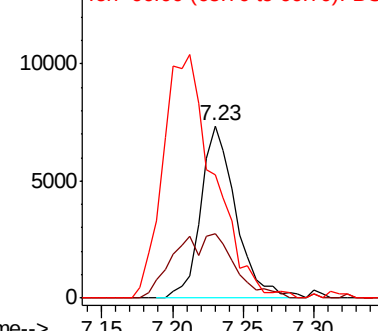
94 100

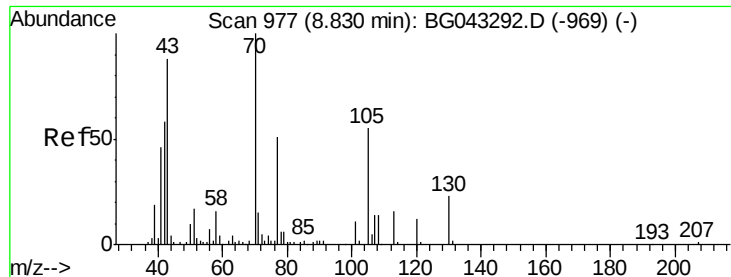
65 37.5 11.1 51.1

66 71.3 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

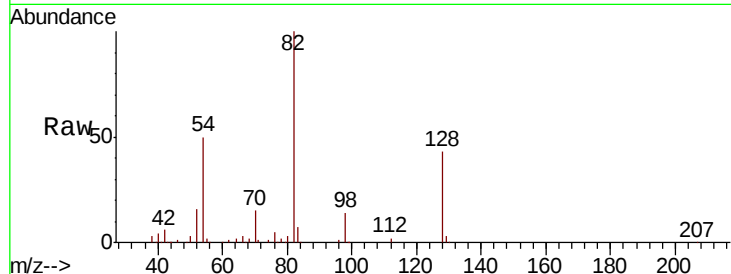




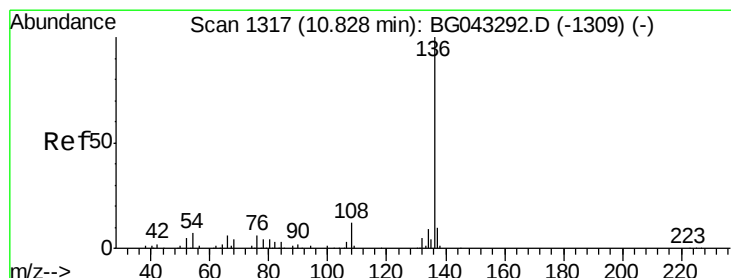
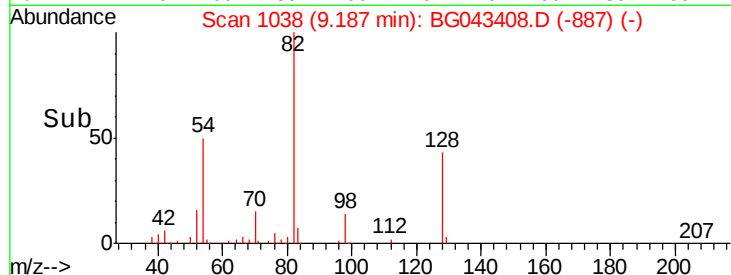
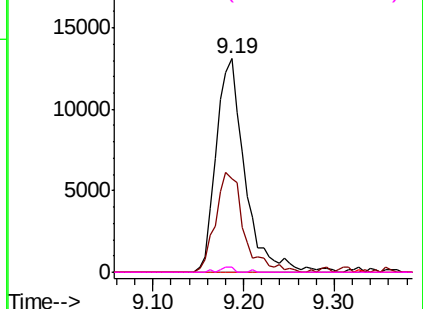
#19
n-Nitroso-di-n-propylamine
Concen: 13.096 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.36 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 28820
Ion Ratio Lower Upper
70 100
42 43.6 46.2 69.2#
101 0.0 8.6 13.0#
130 2.4 18.6 27.8#

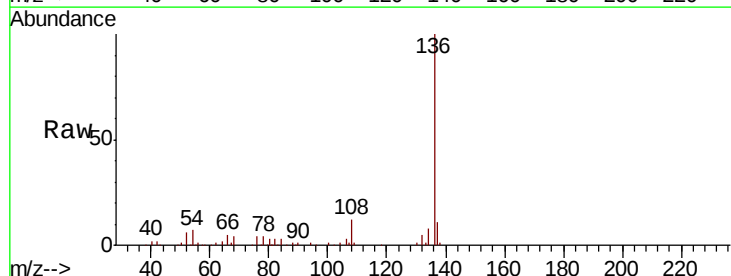


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

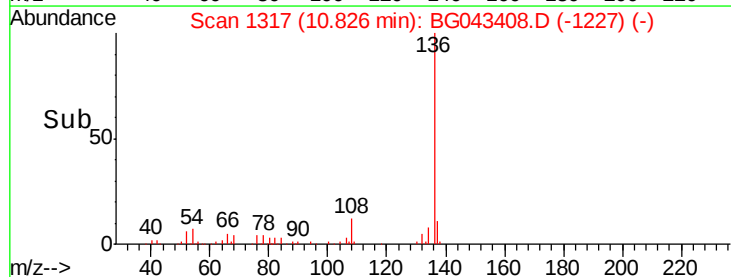
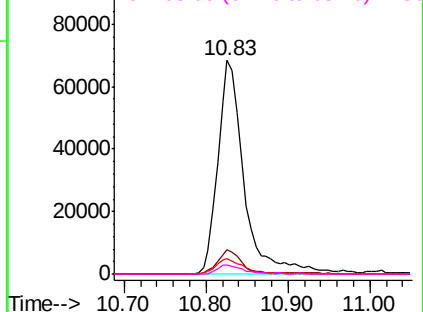


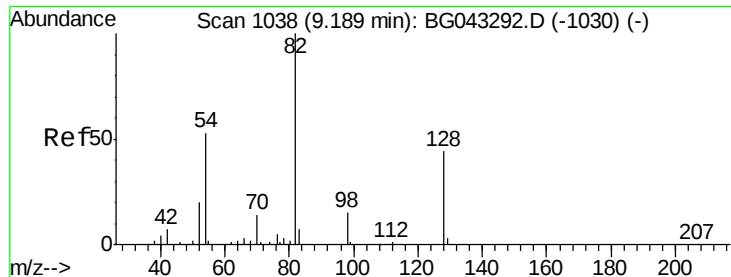
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Tgt Ion:136 Resp: 153130
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 7.3 5.4 8.2
68 3.9 3.3 4.9



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

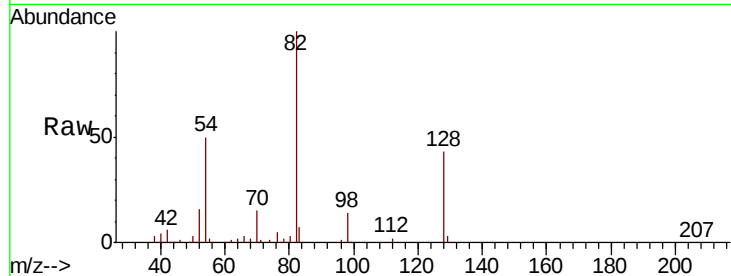




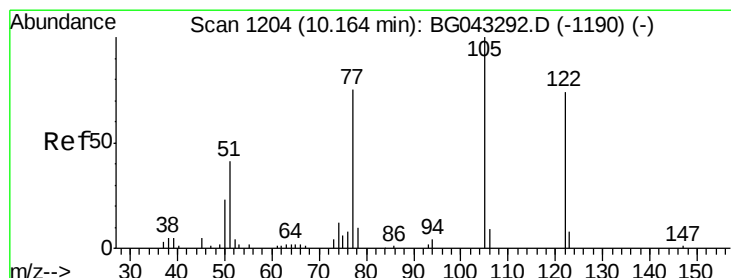
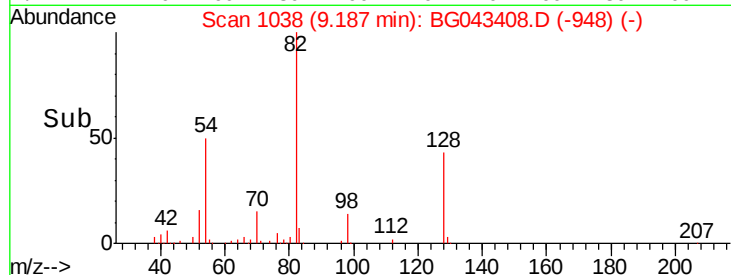
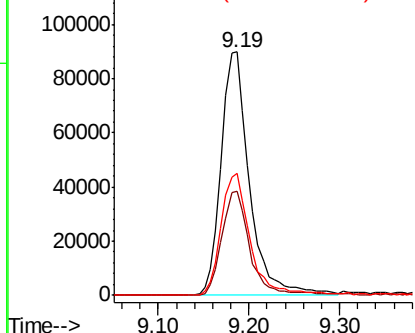
#23
Nitrobenzene-d5
Concen: 65.900 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	195739
Ion Ratio	100	Lower	Upper
128	42.7	35.3	52.9
54	50.1	42.3	63.5

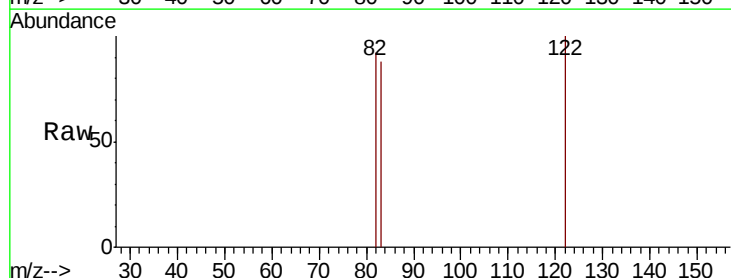


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

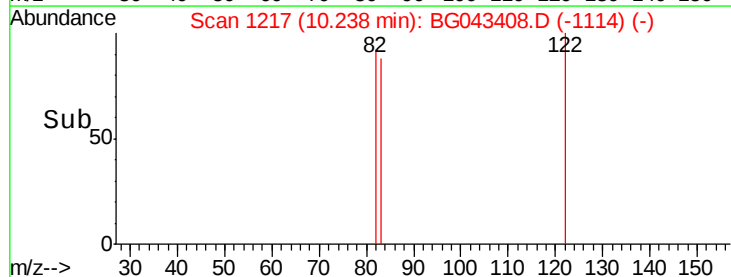
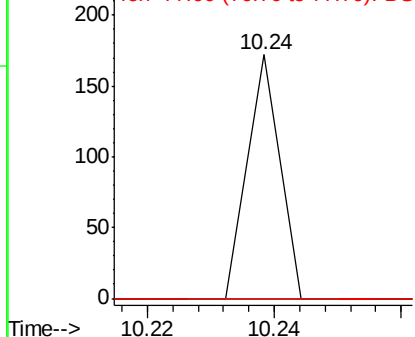


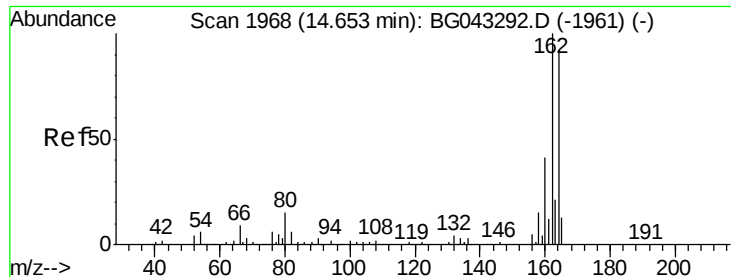
#32
Benzoic acid
Concen: 9.082 ng
RT: 10.24 min Scan# 1217
Delta R.T. 0.07 min
Lab File: BG043408.D
Acq: 30 Oct 2019 19:54

Tgt Ion	122	Resp	61
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	112.4	152.4#
77	0.0	82.7	122.7#



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: 14.64 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

Instrument :

BNA_G

ClientSampleId :

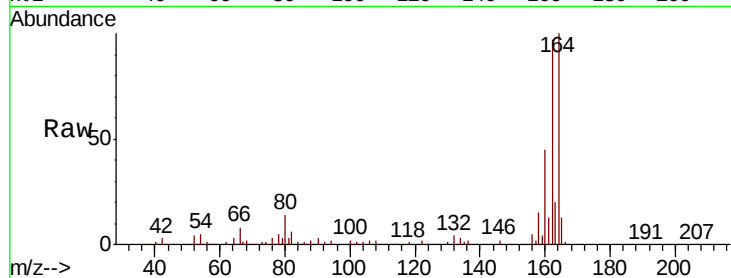
Tot Ion:164 Resp: 116909

Ion Ratio Lower Upper

164 100

162 97.3 87.0 130.4

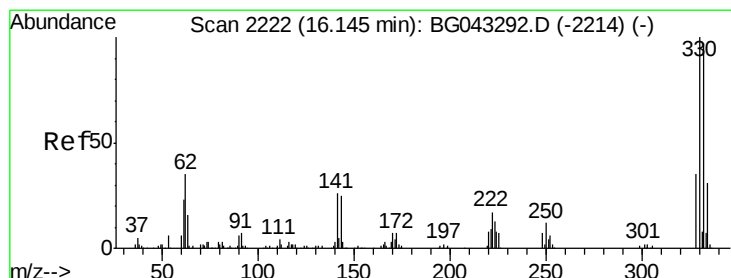
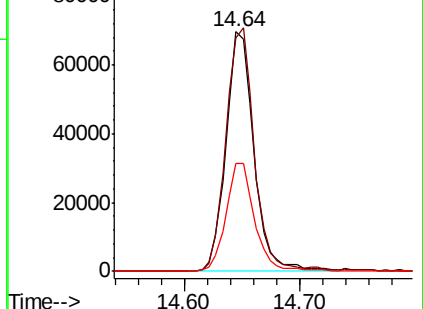
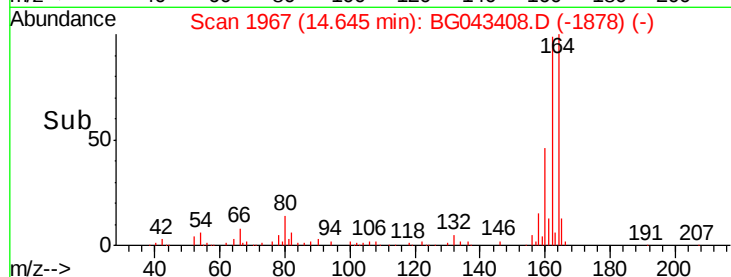
160 44.9 35.5 53.3



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: 91.576 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

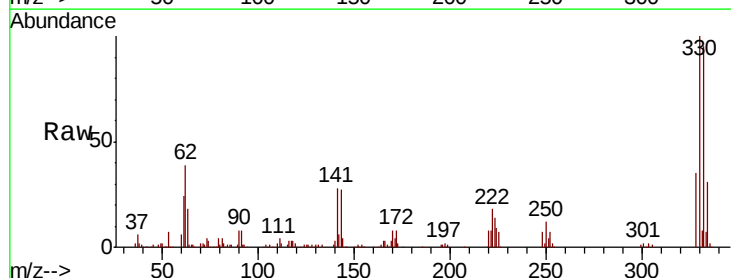
Tgt Ion:330 Resp: 203736

Ion Ratio Lower Upper

330 100

332 97.6 76.4 114.6

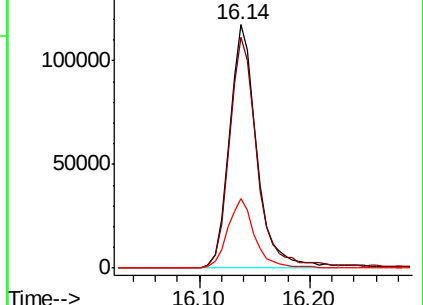
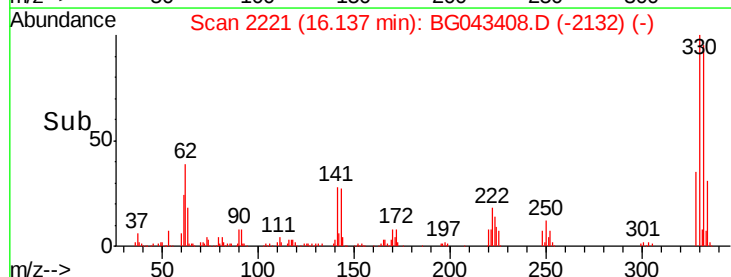
141 28.7 21.4 32.0

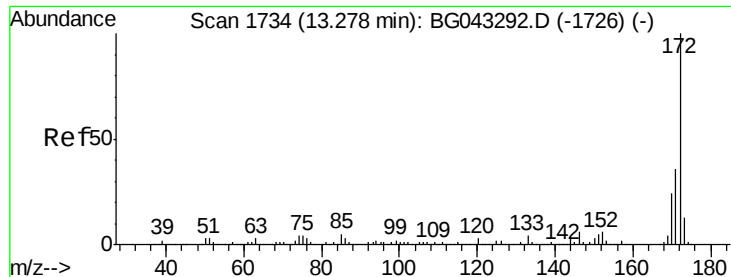


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



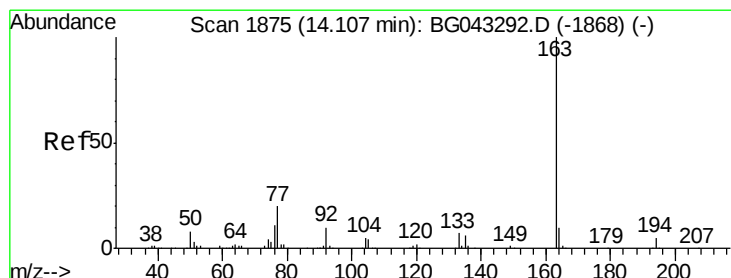
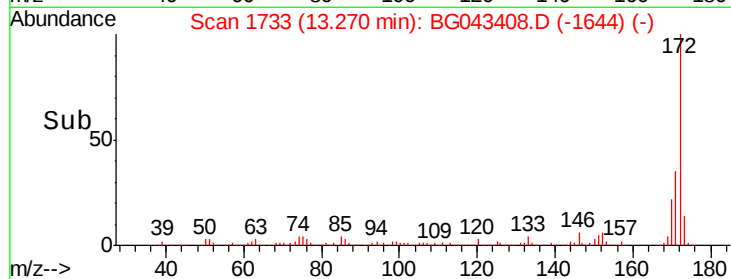
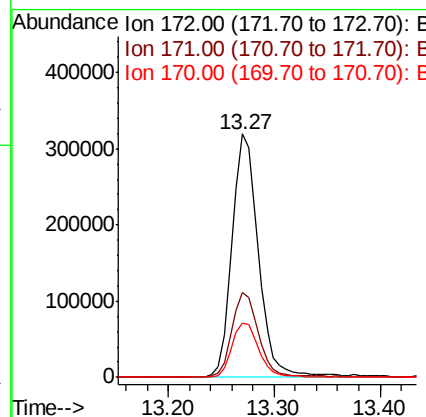
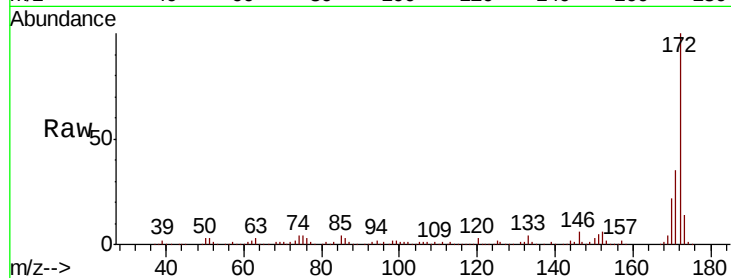


#45
 2-Fluorobiphenyl
 Concen: 65.066 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043408.D
 Acq: 30 Oct 2019 19:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 550498

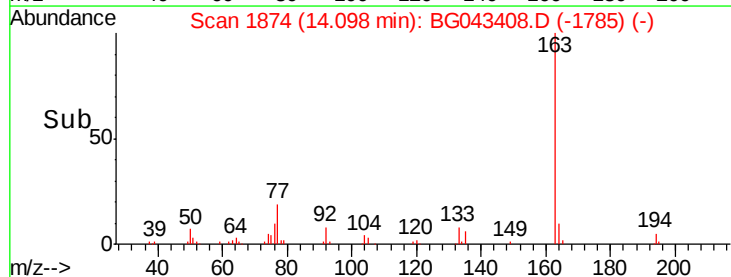
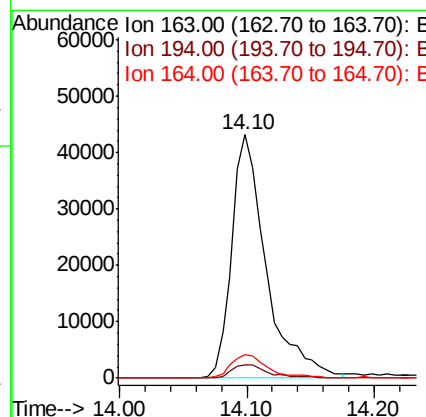
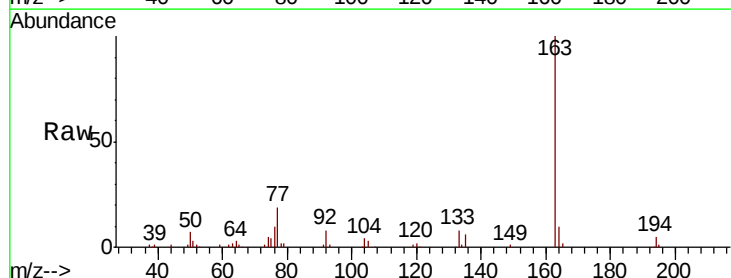
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	22.5	18.8	28.2

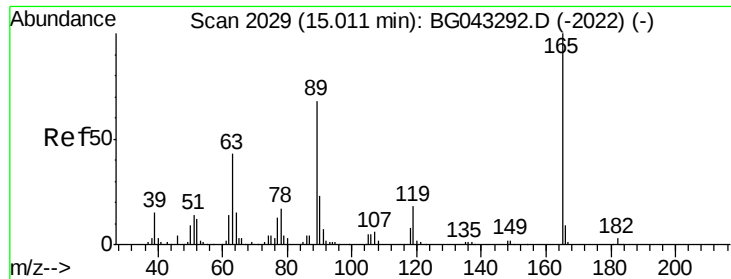


#50
 Dimethylphthalate
 Concen: 8.969 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043408.D
 Acq: 30 Oct 2019 19:54

Tgt Ion:163 Resp: 81218

Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.7	5.5
164	9.7	8.1	12.1

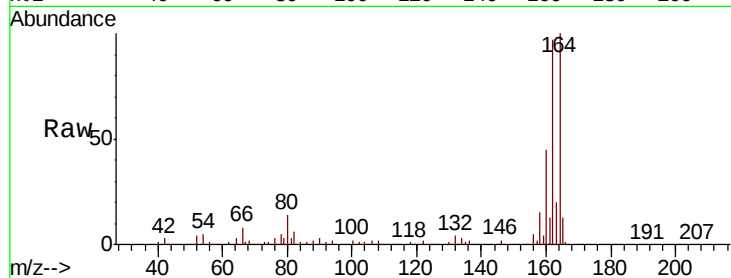




#57
 2,4-Dinitrotoluene
 Concen: 5.166 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. -0.37 min
 Lab File: BG043408.D
 Acq: 30 Oct 2019 19:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	0.0	54.1	81.1#
182	0.0	2.2	3.2#

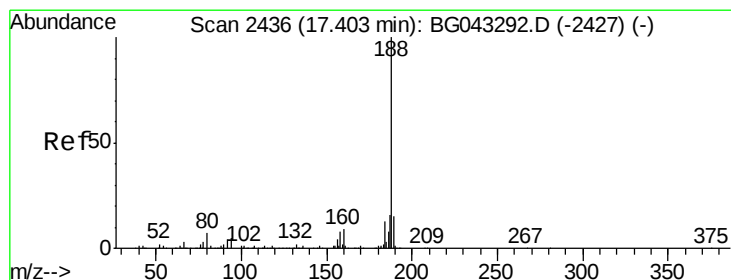
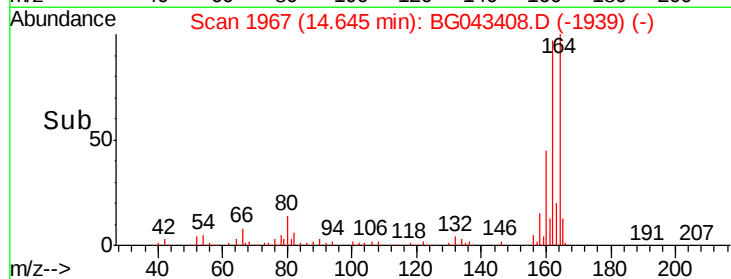
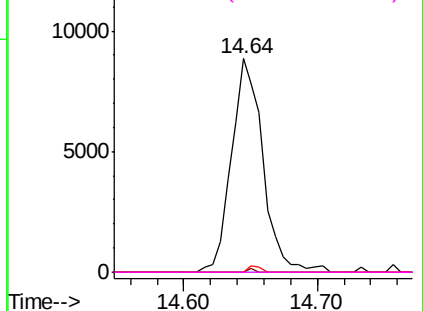


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

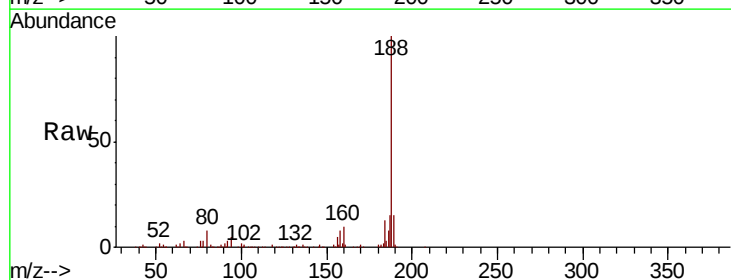
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BG043408.D
 Acq: 30 Oct 2019 19:54

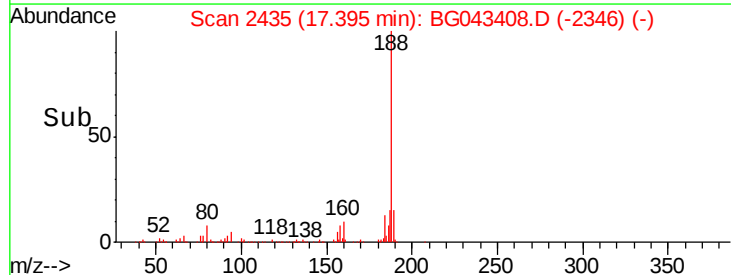
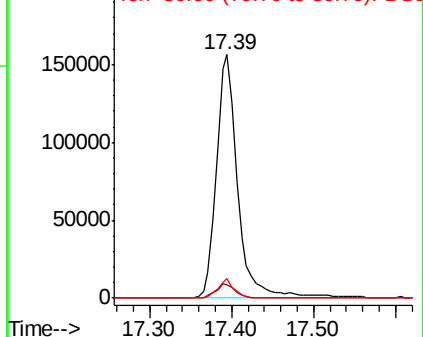
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.2	6.2
80	7.9	5.2	7.8#

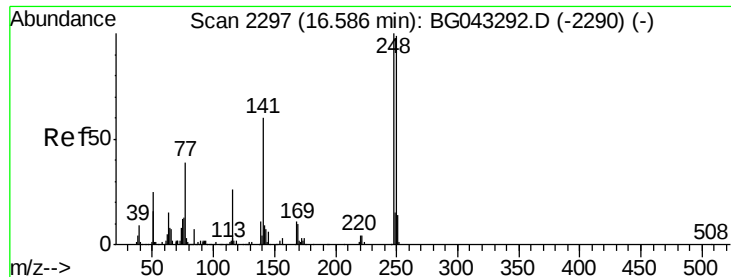


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.554 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

Instrument :

BNA_G

ClientSampleId :

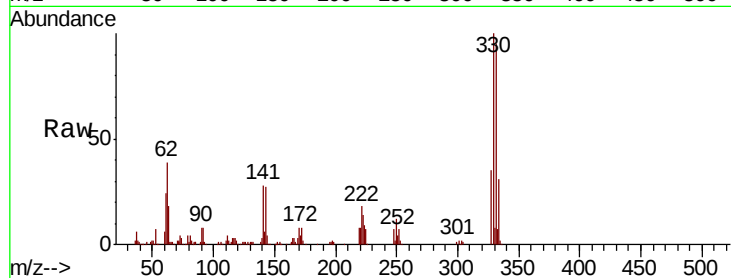
Tot Ion:248 Resp: 13546

Ion Ratio Lower Upper

248 100

250 184.6 79.3 118.9#

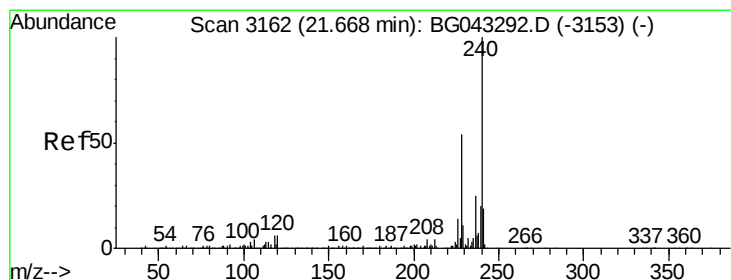
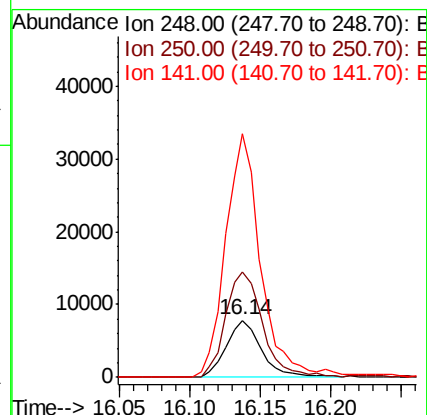
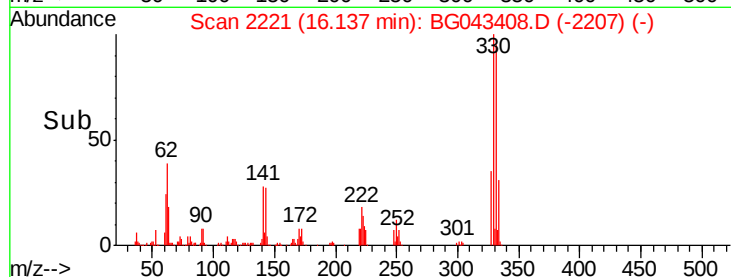
141 426.6 47.9 71.9#



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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

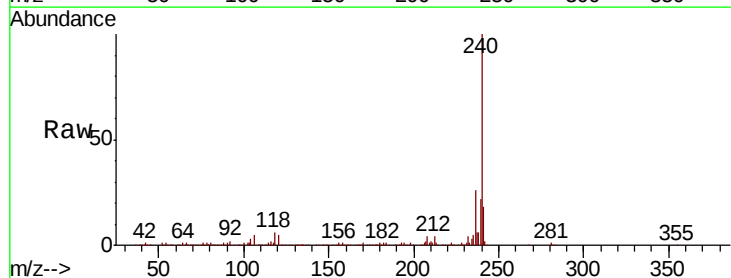
Tgt Ion:240 Resp: 315606

Ion Ratio Lower Upper

240 100

120 5.5 4.6 7.0

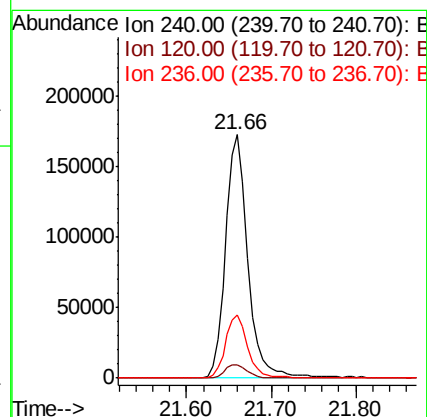
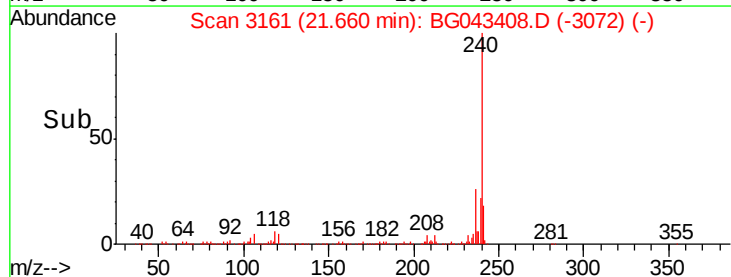
236 26.0 20.2 30.4

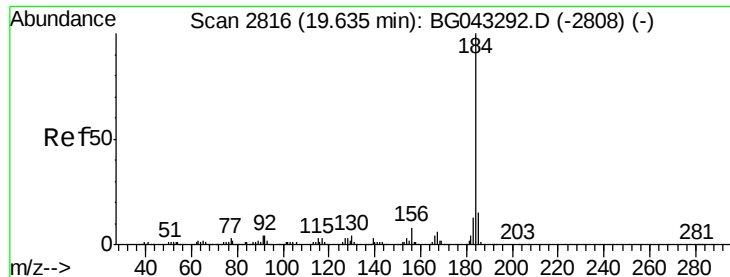


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.549 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

Instrument :

BNA_G

ClientSampleId :

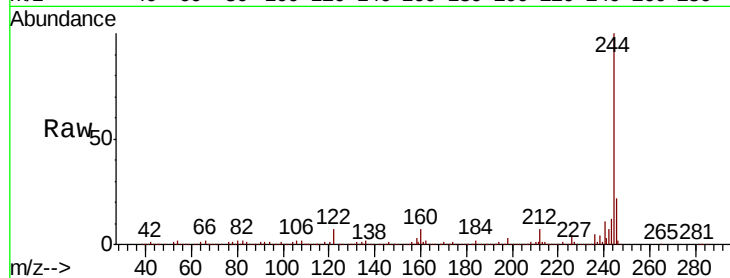
Tot Ion:184 Resp: 16193

Ion Ratio Lower Upper

184 100

185 11.4 11.8 17.6#

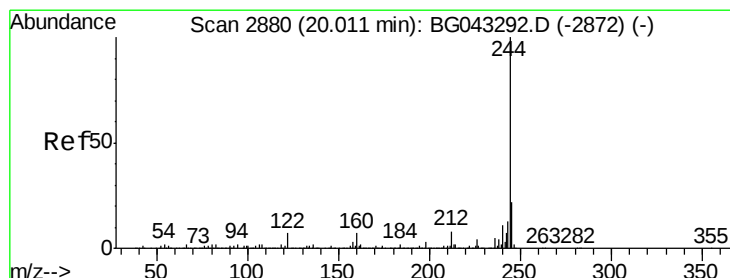
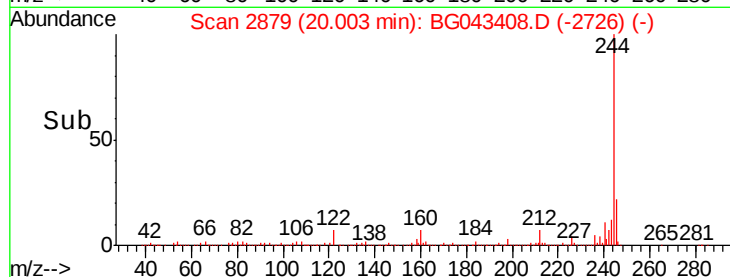
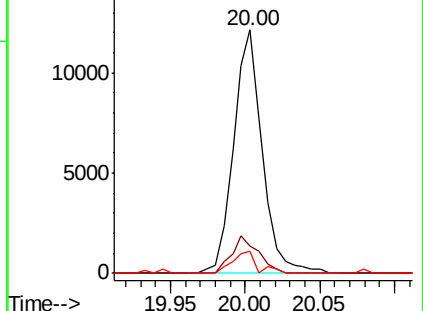
183 9.1 10.6 16.0#



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: 65.533 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043408.D

Acq: 30 Oct 2019 19:54

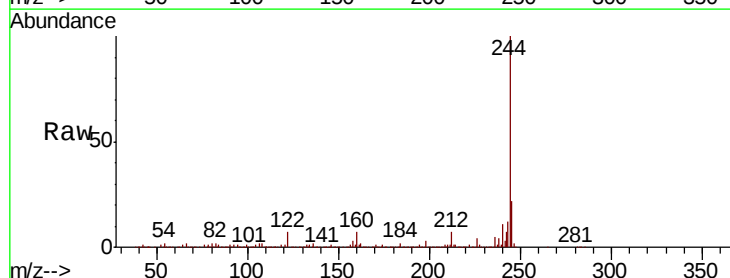
Tgt Ion:244 Resp: 1102459

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

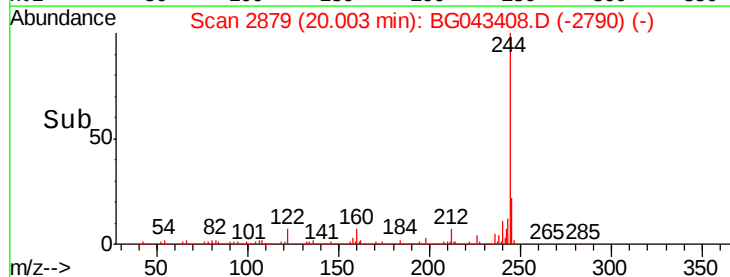
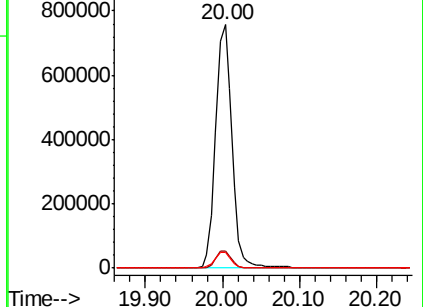
122 6.7 5.3 7.9

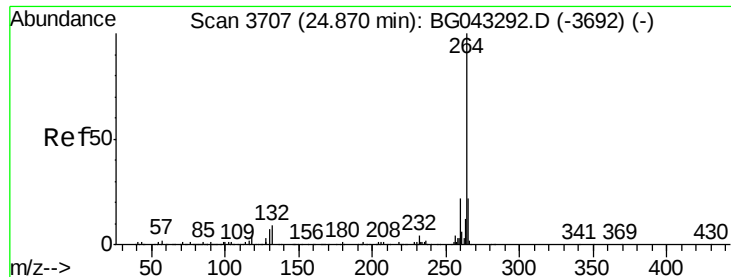


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

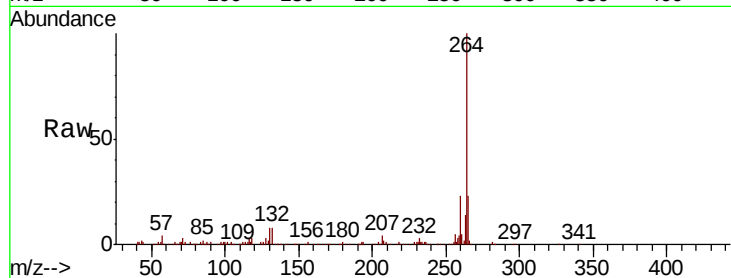




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3705
 Delta R.T. -0.01 min
 Lab File: BG043408.D
 Acq: 30 Oct 2019 19:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.9	26.9
265	22.7	17.4	26.2



Abundance Ion 264.00 (263.70 to 264.70): E
 150000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

