

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043282.D
 Acq On : 18 Oct 2019 19:23
 Operator : JU
 Sample : K5406-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-3

Quant Time: Oct 19 00:34:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

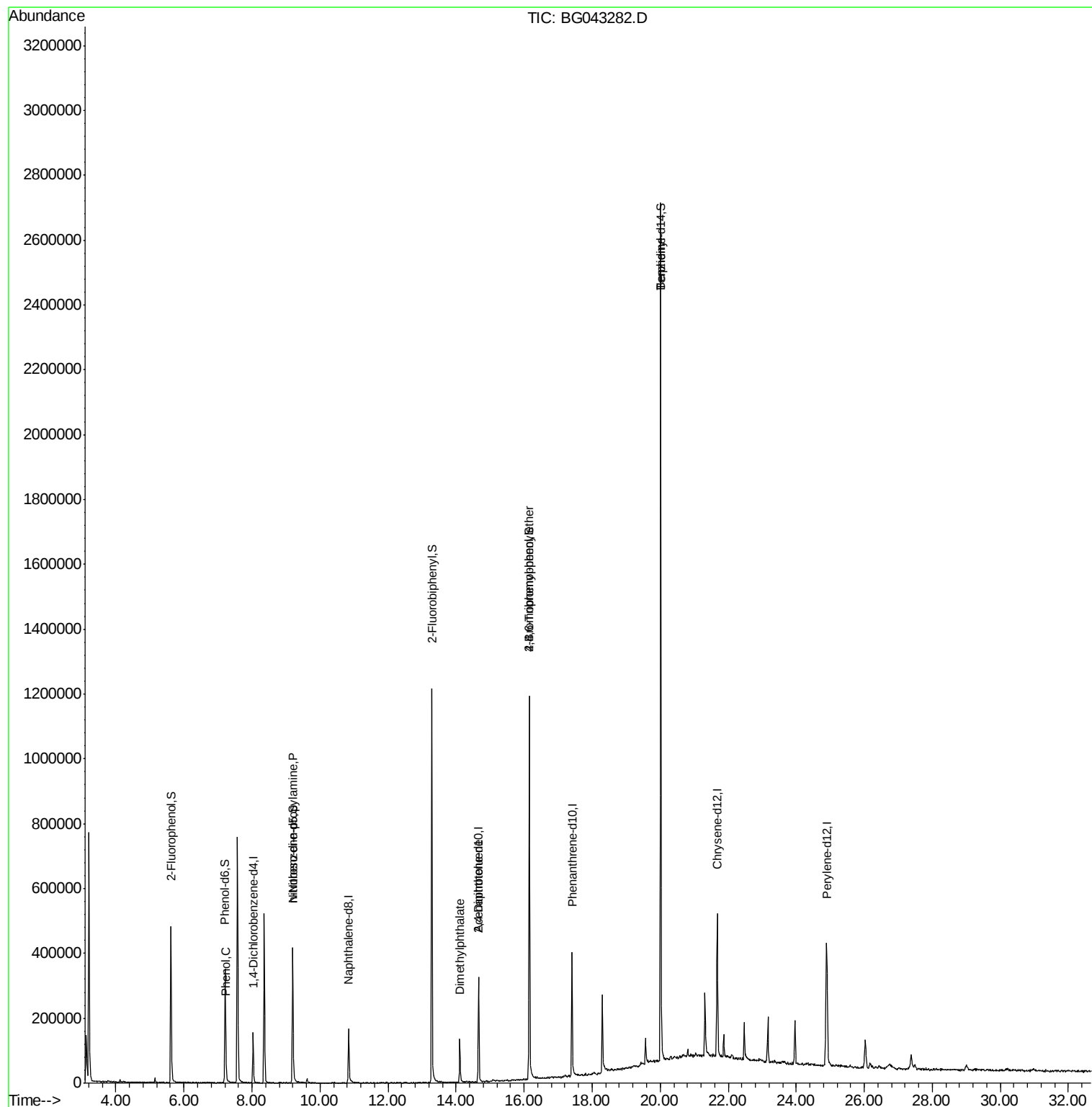
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	47022	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	170593	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	124083	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	269223	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	304596	20.00	ng	-0.01
87) Perylene-d12	24.89	264	380280	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	233938	88.79	ng	-0.02
7) Phenol-d6	7.21	99	228142	60.13	ng	-0.02
23) Nitrobenzene-d5	9.20	82	287211	81.83	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	292341	137.01	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	724820	84.68	ng	-0.02
79) Terphenyl-d14	20.02	244	1405326	98.31	ng	-0.01
Target Compounds						
10) Phenol	7.24	94	16196	4.652	ng	91
19) n-Nitroso-di-n-propylamine	9.20	70	39925	16.025	ng	# 67
50) Dimethylphthalate	14.11	163	101538	10.921	ng	98
57) 2,4-Dinitrotoluene	14.66	165	16597	5.724	ng	# 23
67) 4-Bromophenyl-phenylether	16.15	248	18955	5.610	ng	# 1
77) Benzidine	20.02	184	21082	2.764	ng	# 92

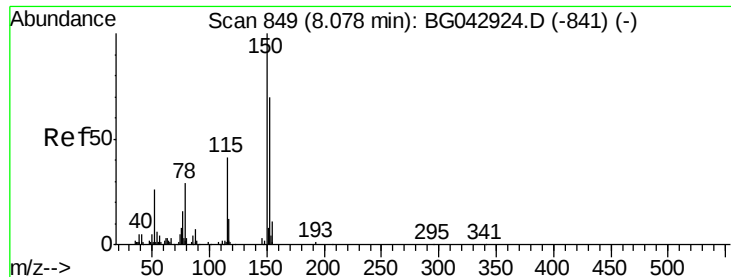
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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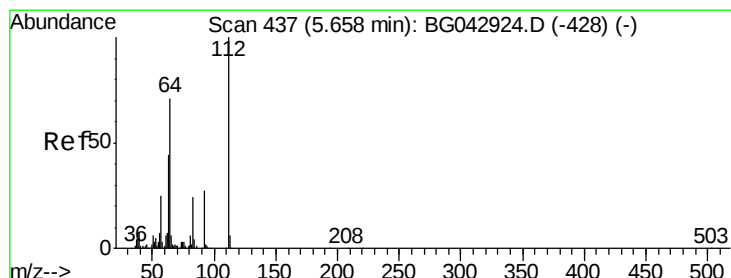
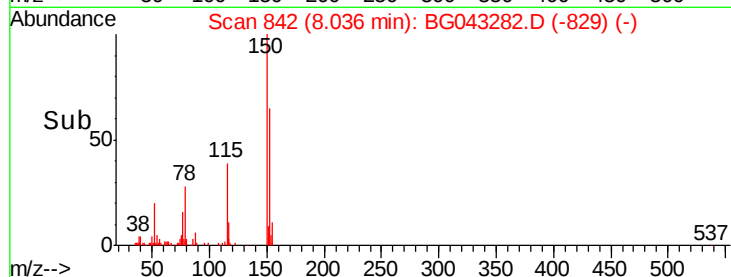
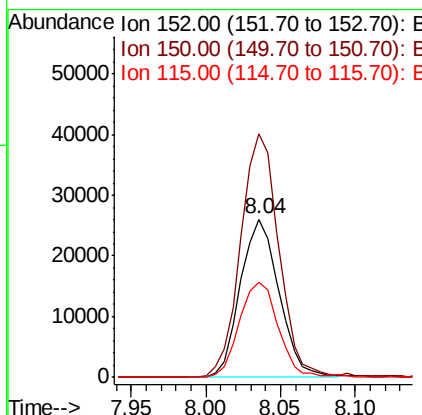
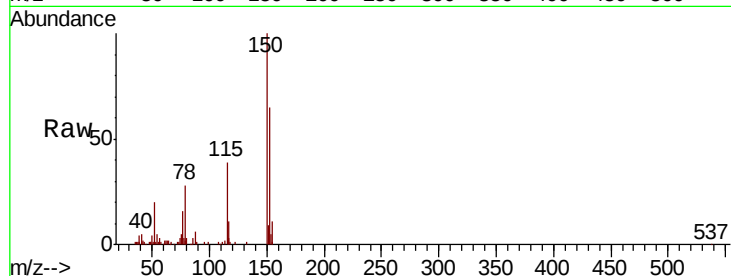


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043282.D
Acq: 18 Oct 2019 19:23

Instrument :
BNA_G
ClientSampleId :
MW-3

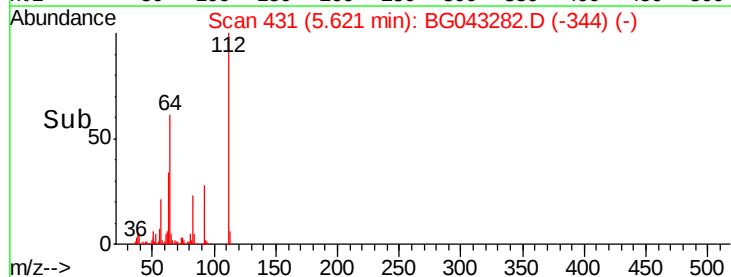
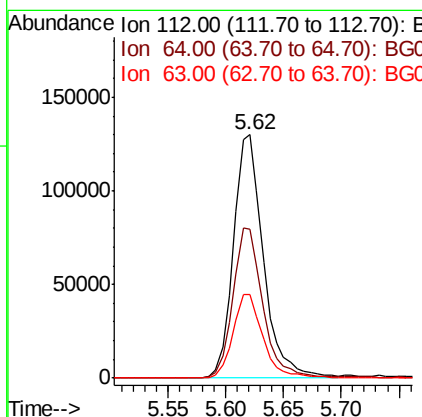
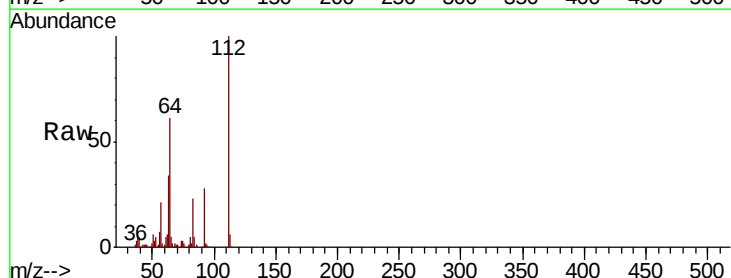
Tot Ion:152 Resp: 47022
Ion Ratio Lower Upper
152 100
150 154.2 115.0 172.4
115 60.2 47.0 70.6



#5

2-Fluorophenol
Concen: 88.786 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043282.D
Acq: 18 Oct 2019 19:23

Tgt Ion:112 Resp: 233938
Ion Ratio Lower Upper
112 100
64 61.0 56.6 84.8
63 34.3 35.1 52.7#





#7

Phenol-d6

Concen: 60.127 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

Instrument :

BNA_G

ClientSampleId :

MW-3

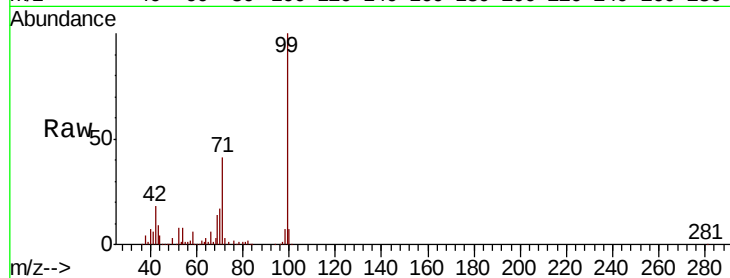
Tot Ion: 99 Resp: 228142

Ion Ratio Lower Upper

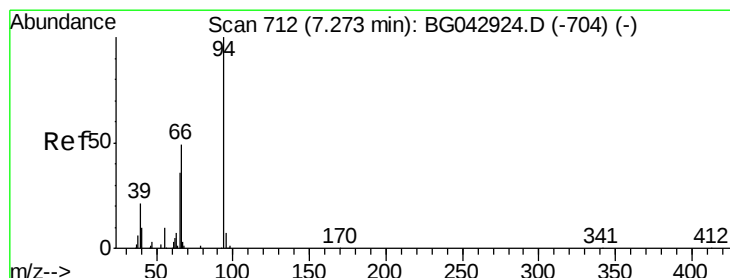
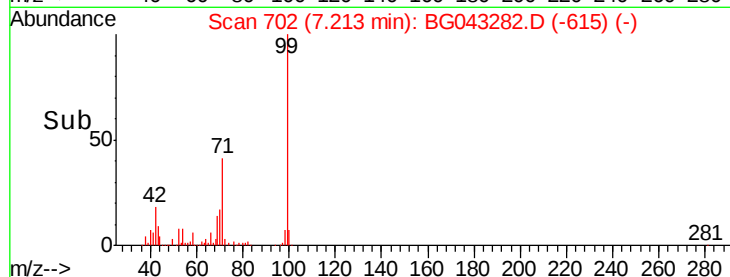
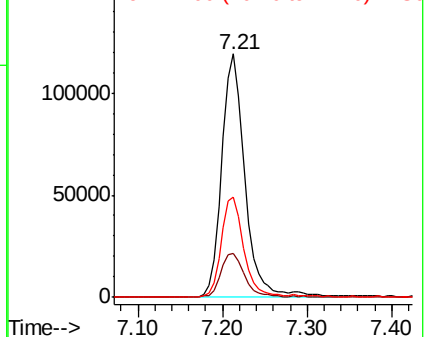
99 100

42 17.8 17.2 25.8

71 41.4 33.1 49.7



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



#10

Phenol

Concen: 4.652 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.02 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

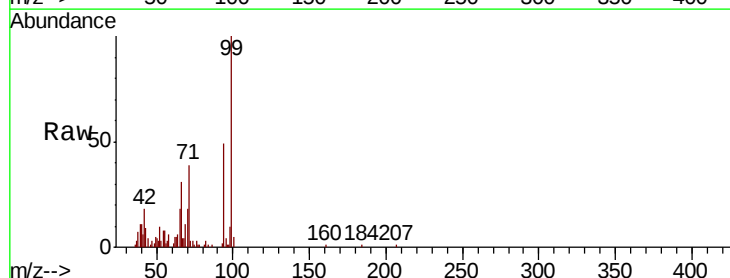
Tgt Ion: 94 Resp: 16196

Ion Ratio Lower Upper

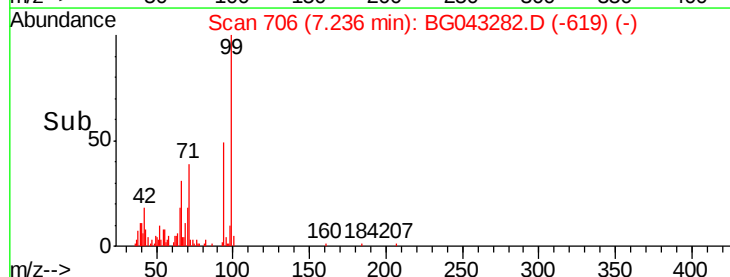
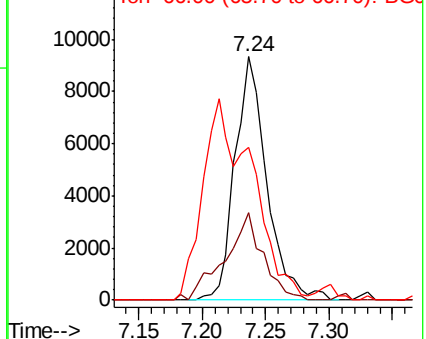
94 100

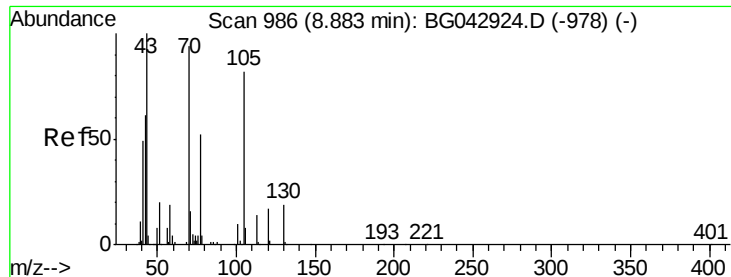
65 36.2 16.6 56.6

66 62.9 32.4 72.4



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

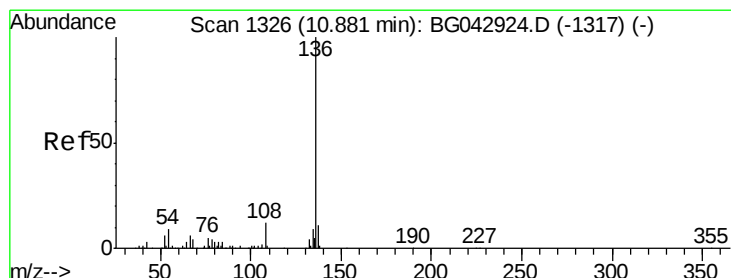
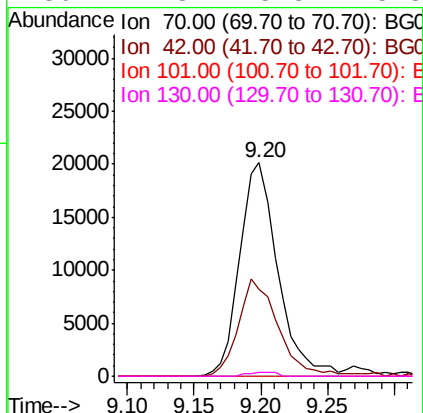
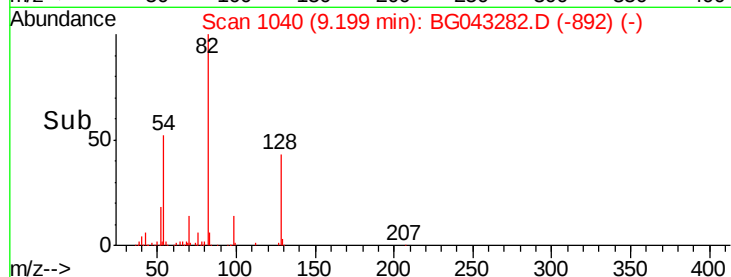
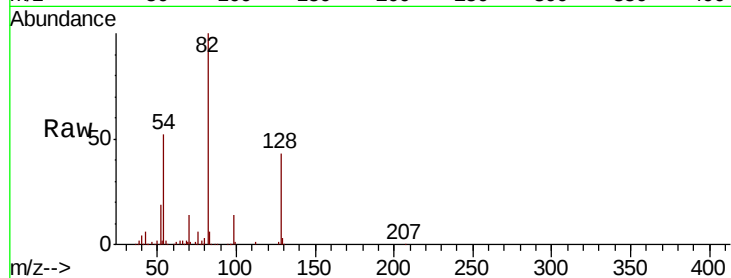




#19
n-Nitroso-di-n-propylamine
Concen: 16.025 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG043282.D
Acq: 18 Oct 2019 19:23

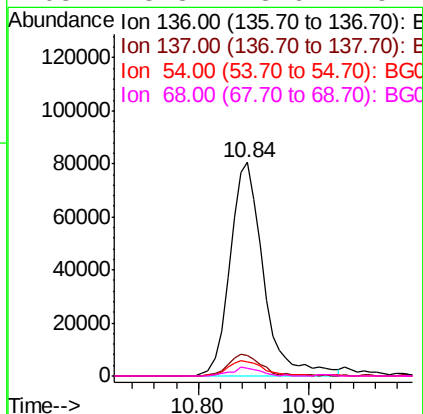
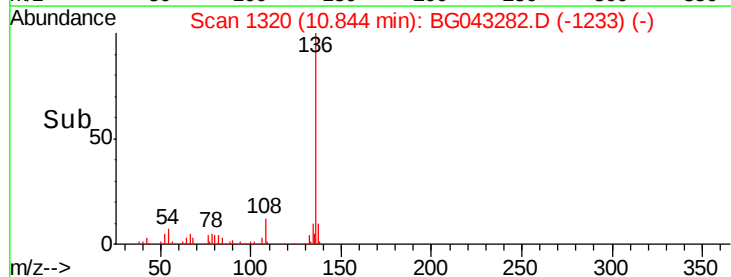
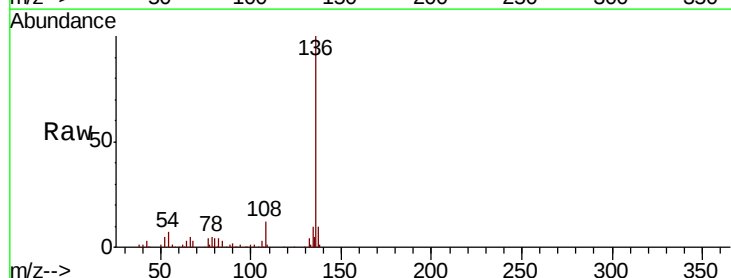
Instrument :
BNA_G
ClientSampleId :
MW-3

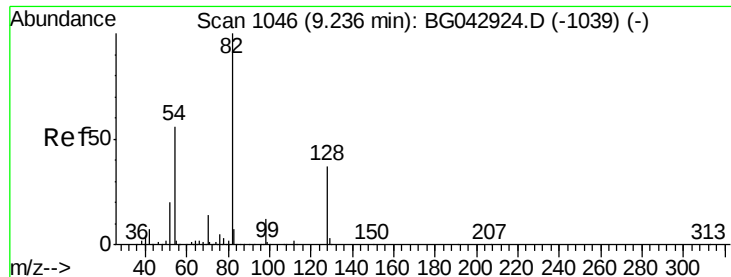
Tot Ion: 70 Resp: 39925
Ion Ratio Lower Upper
70 100
42 40.6 52.6 79.0#
101 0.0 8.7 13.1#
130 1.8 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043282.D
Acq: 18 Oct 2019 19:23

Tgt Ion: 136 Resp: 170593
Ion Ratio Lower Upper
136 100
137 9.8 8.5 12.7
54 6.8 7.4 11.2#
68 3.3 3.6 5.4#

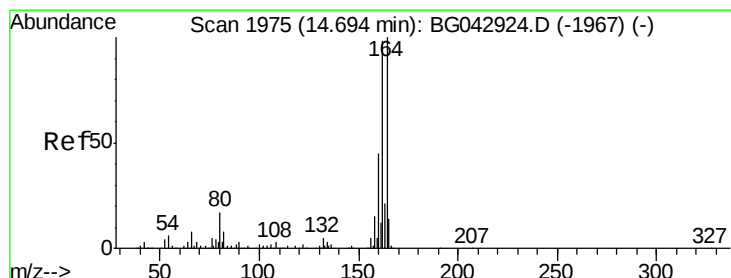
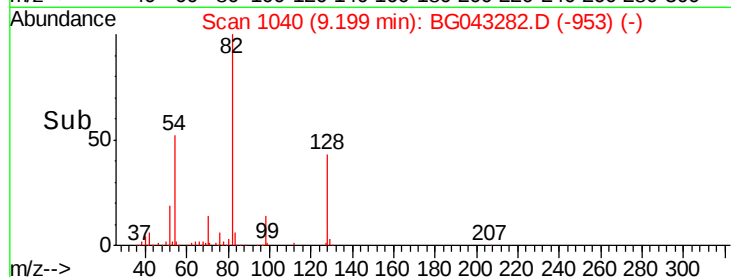
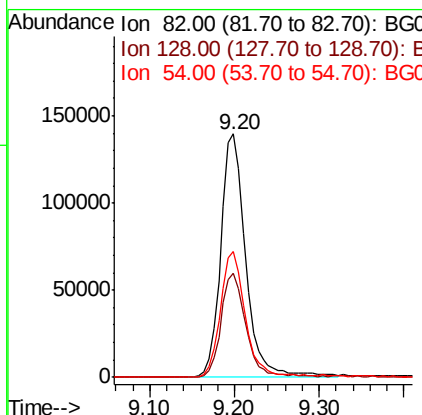
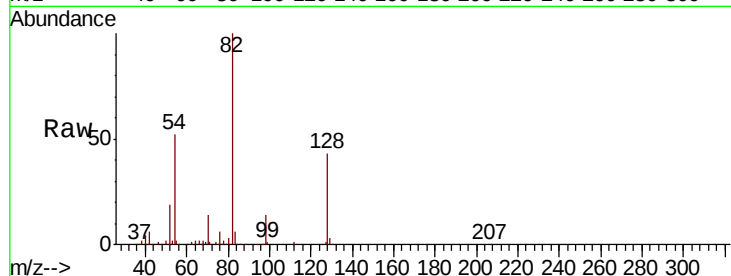




#23
 Nitrobenzene-d5
 Concen: 81.832 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

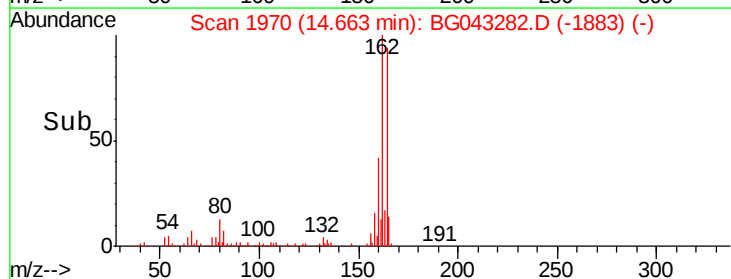
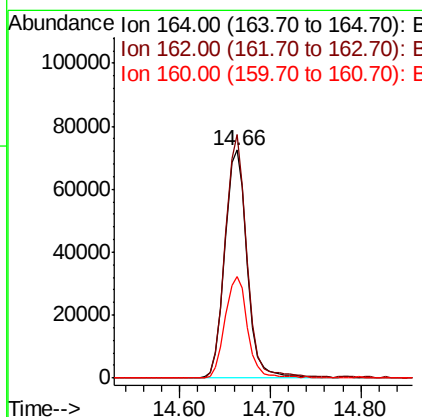
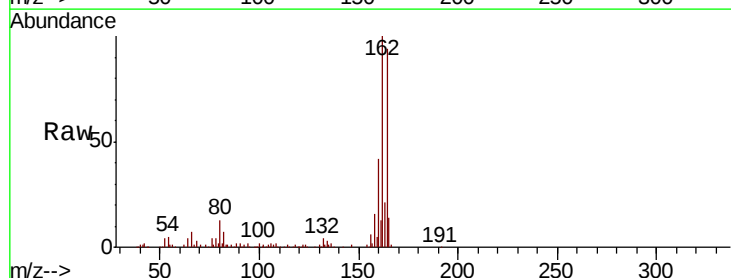
Instrument :
 BNA_G
 ClientSampled :
 MW-3

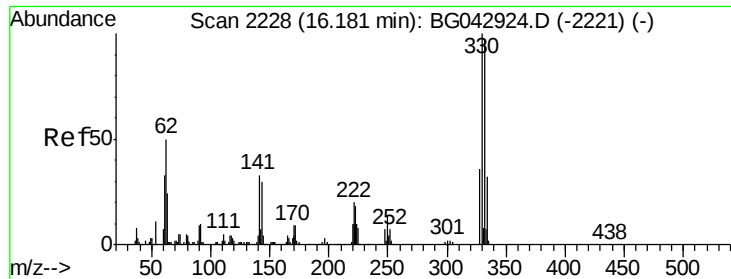
Tot Ion	82	Resp	287211
Ion Ratio	Lower	Upper	
82	100		
128	42.8	29.5	44.3
54	51.9	44.6	67.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.02 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

Tgt Ion	164	Resp	124083
Ion Ratio	Lower	Upper	
164	100		
162	106.8	78.5	117.7
160	44.6	35.9	53.9

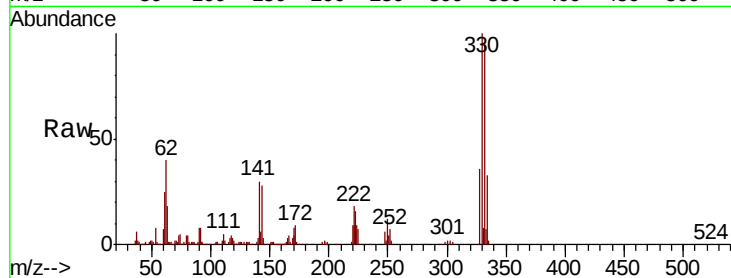




#42
 2,4,6-Tribromophenol
 Concen: 137.012 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.02 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

Instrument :
 BNA_G
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.2	117.2
141	27.7	26.0	39.0

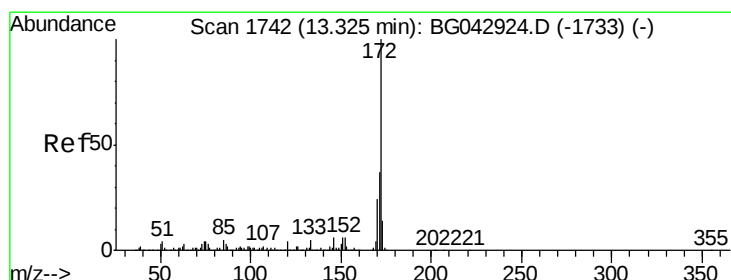
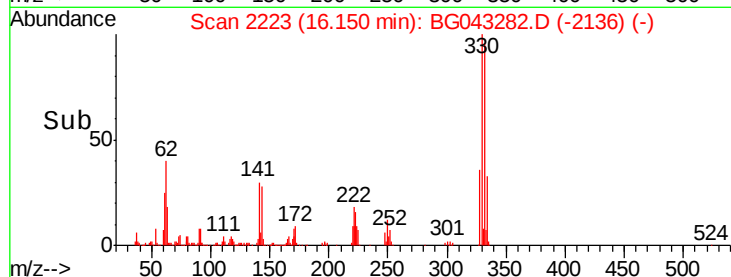
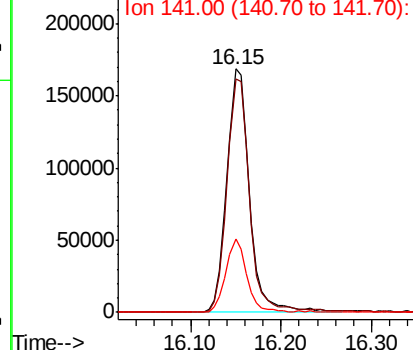


Abundance

Ion 329.80 (329.50 to 330.50): E

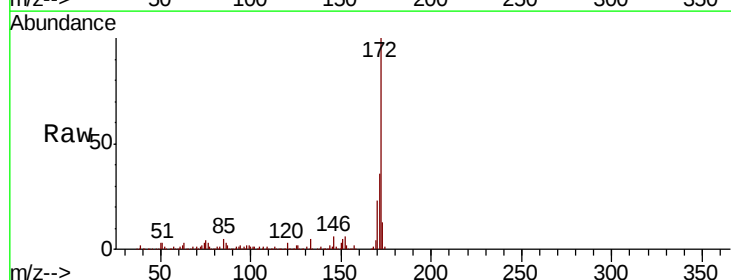
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 84.683 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.02 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.2	19.6	29.4

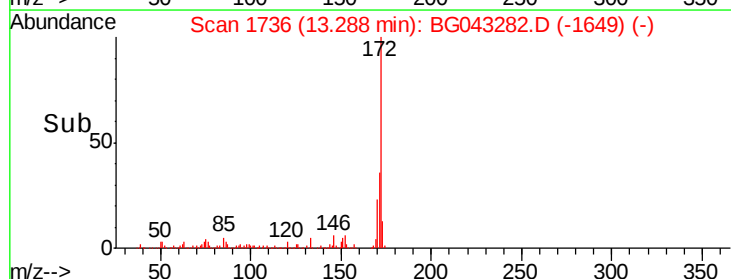
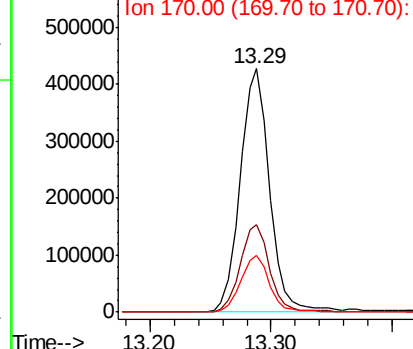


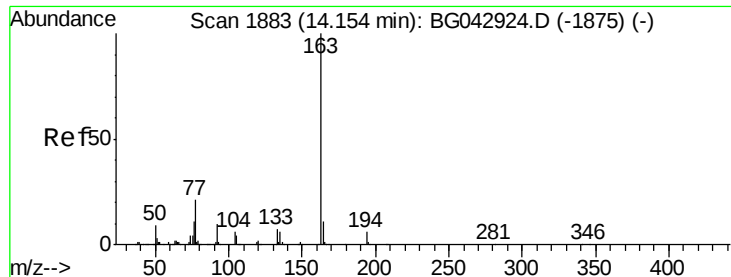
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.921 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

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MW-3

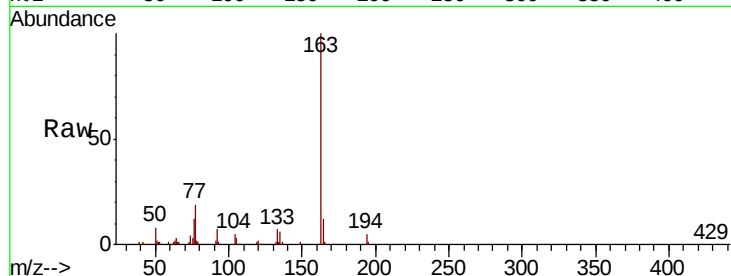
Tot Ion:163 Resp: 101538

Ion Ratio Lower Upper

163 100

194 5.4 4.4 6.6

164 12.0 8.6 12.8

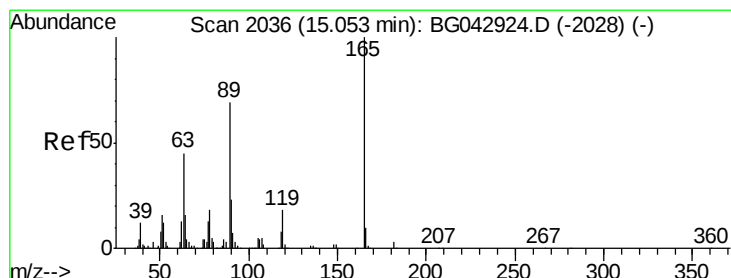
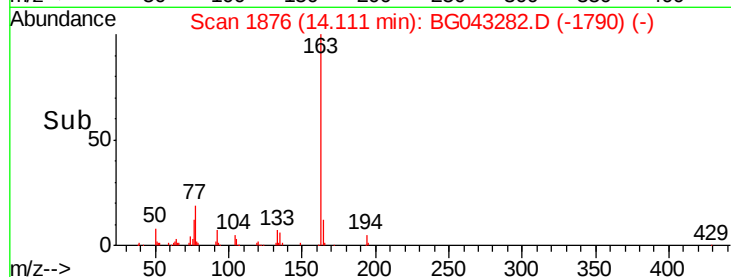
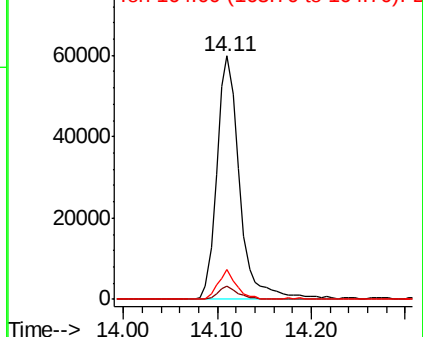


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.724 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.37 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

Tgt Ion:165 Resp: 16597

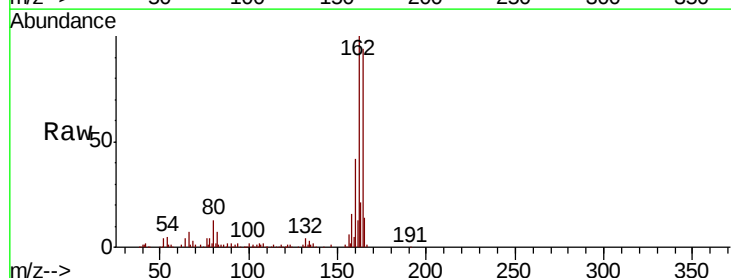
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 0.0 55.5 83.3#

182 0.0 2.4 3.6#



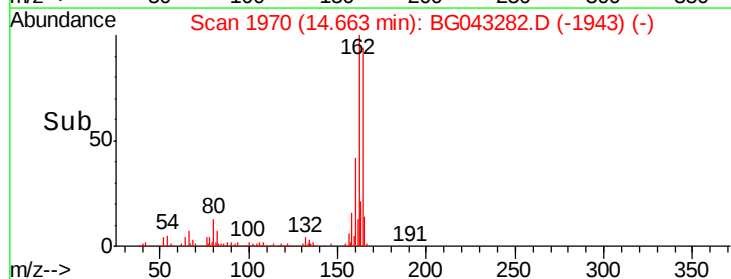
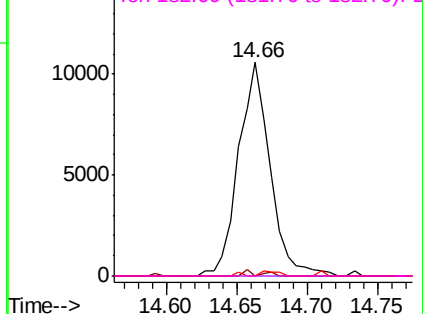
Abundance

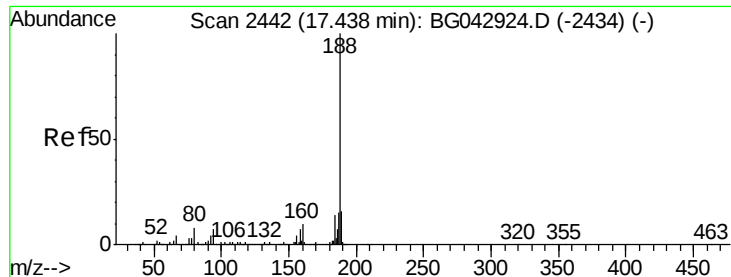
Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

Instrument :

BNA_G

ClientSampleId :

MW-3

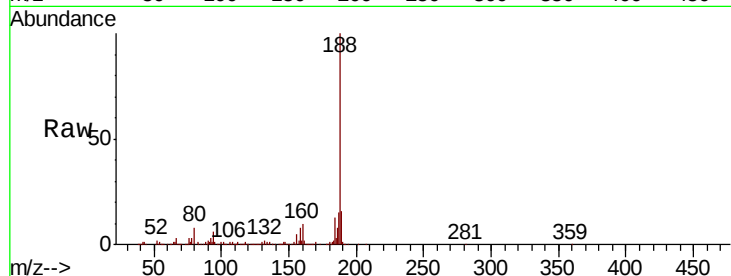
Tot Ion:188 Resp: 269223

Ion Ratio Lower Upper

188 100

94 5.9 5.7 8.5

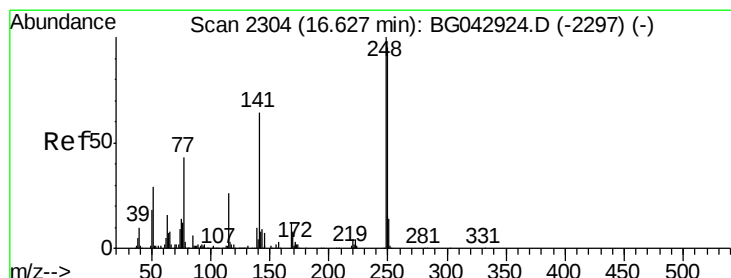
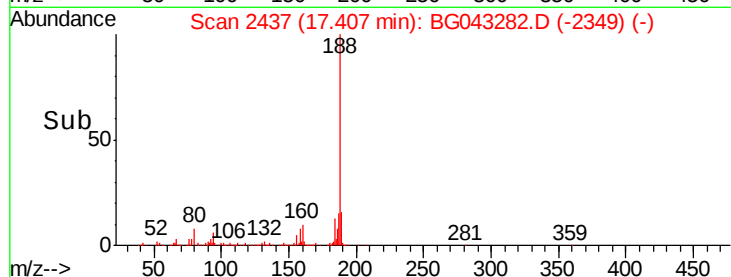
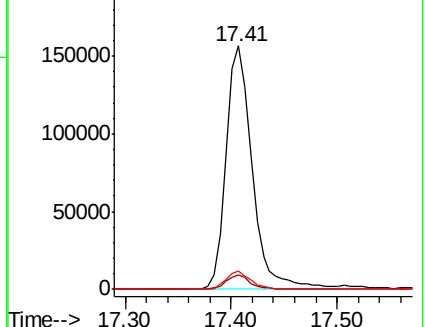
80 7.5 6.5 9.7



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: 5.610 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.46 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

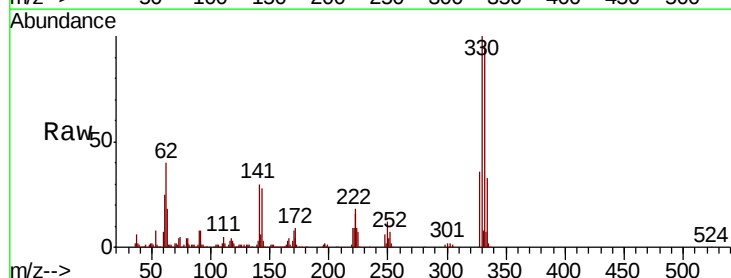
Tgt Ion:248 Resp: 18955

Ion Ratio Lower Upper

248 100

250 194.3 75.8 113.8#

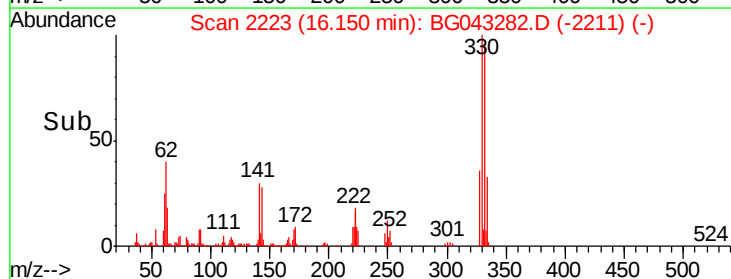
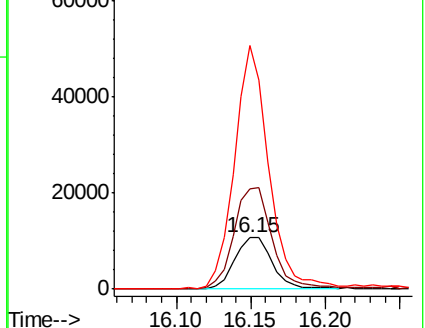
141 474.6 51.1 76.7#

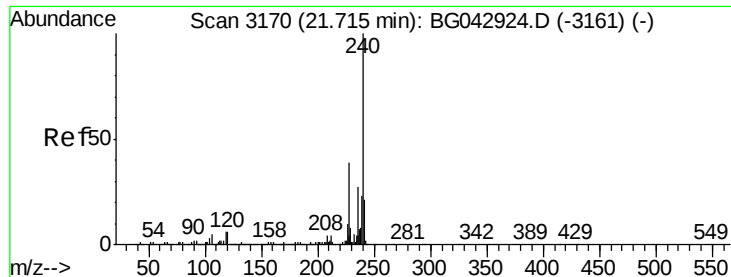


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

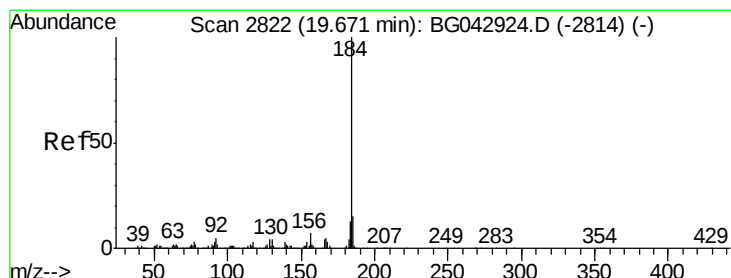
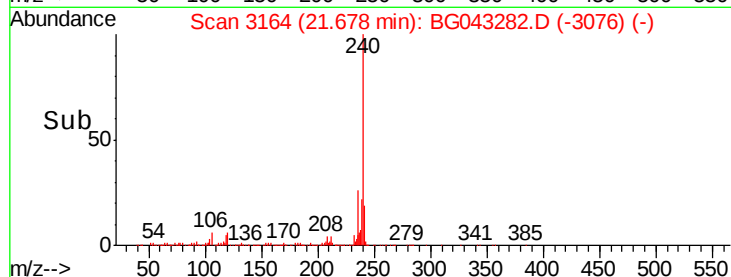
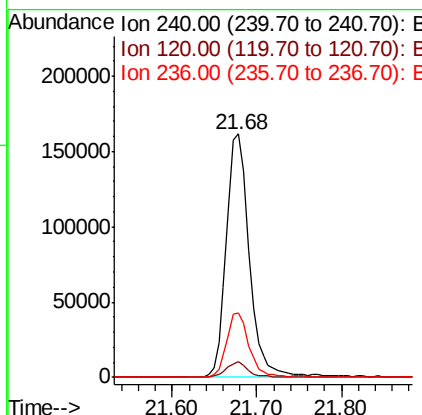
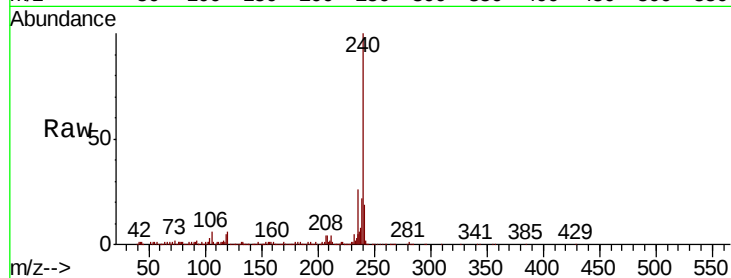




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.01 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

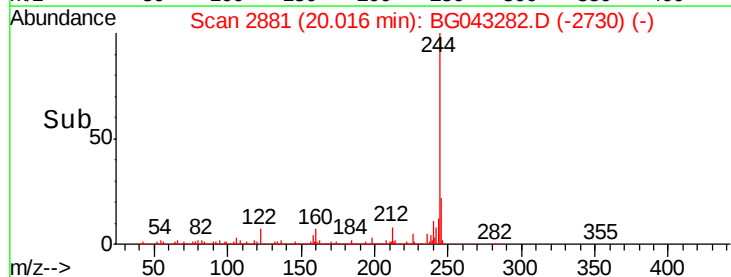
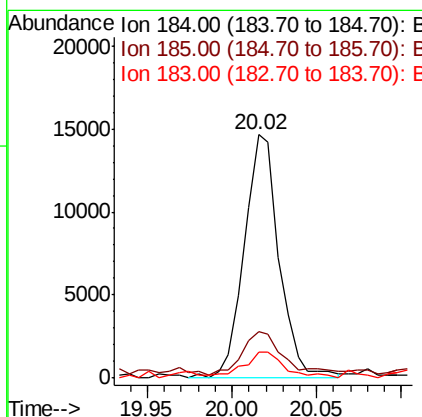
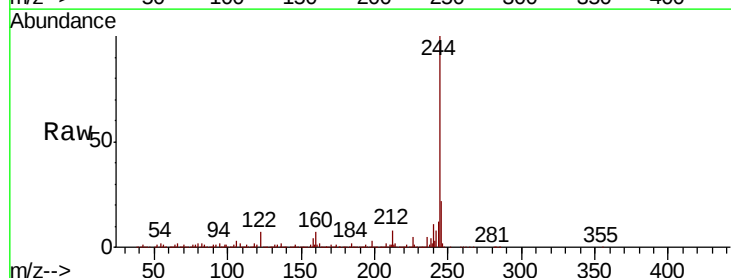
Instrument :
 BNA_G
 ClientSampleId :
 MW-3

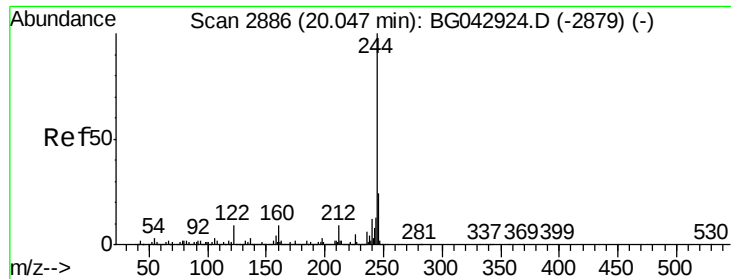
Tot Ion:240 Resp: 304596
 Ion Ratio Lower Upper
 240 100
 120 6.5 4.8 7.2
 236 26.3 21.4 32.0



#77
 Benzidine
 Concen: 2.764 ng
 RT: 20.02 min Scan# 2881
 Delta R.T. 0.36 min
 Lab File: BG043282.D
 Acq: 18 Oct 2019 19:23

Tgt Ion:184 Resp: 21082
 Ion Ratio Lower Upper
 184 100
 185 18.9 11.8 17.8#
 183 10.6 10.1 15.1





#79

Terphenyl-d14

Concen: 98.313 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

Instrument :

BNA_G

ClientSampleId :

MW-3

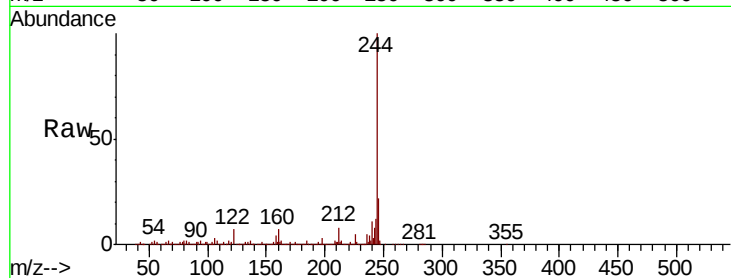
Tot Ion:244 Resp: 1405326

Ion Ratio Lower Upper

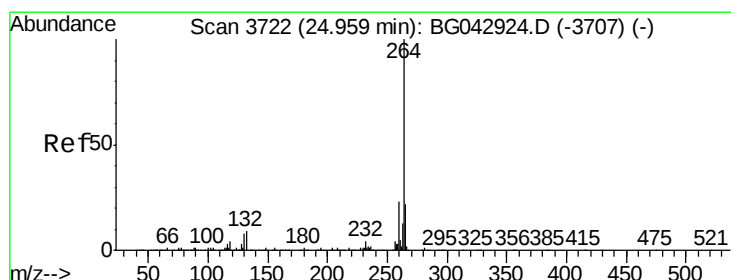
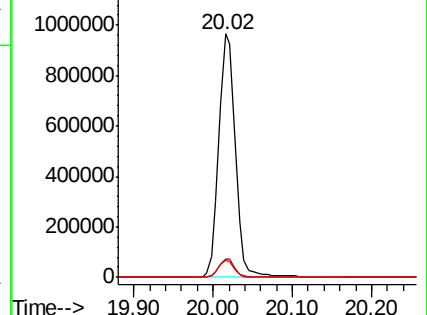
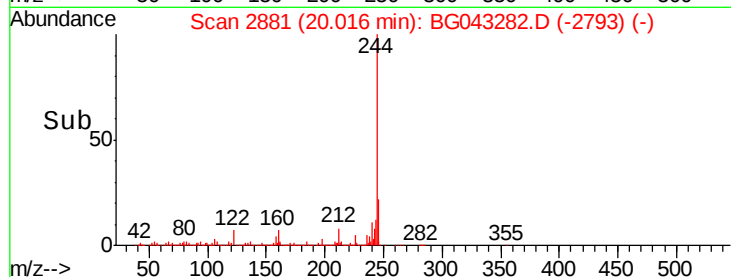
244 100

212 7.5 7.4 11.0

122 7.1 7.0 10.4



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: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG043282.D

Acq: 18 Oct 2019 19:23

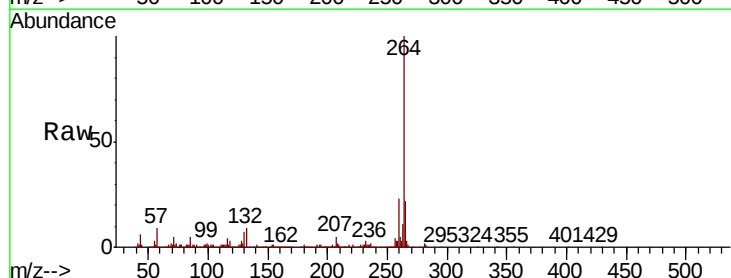
Tgt Ion:264 Resp: 380280

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 21.7 17.7 26.5



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

