

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101519\
 Data File : BG043221.D
 Acq On : 15 Oct 2019 16:37
 Operator : JU
 Sample : K5325-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 16 01:17:11 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

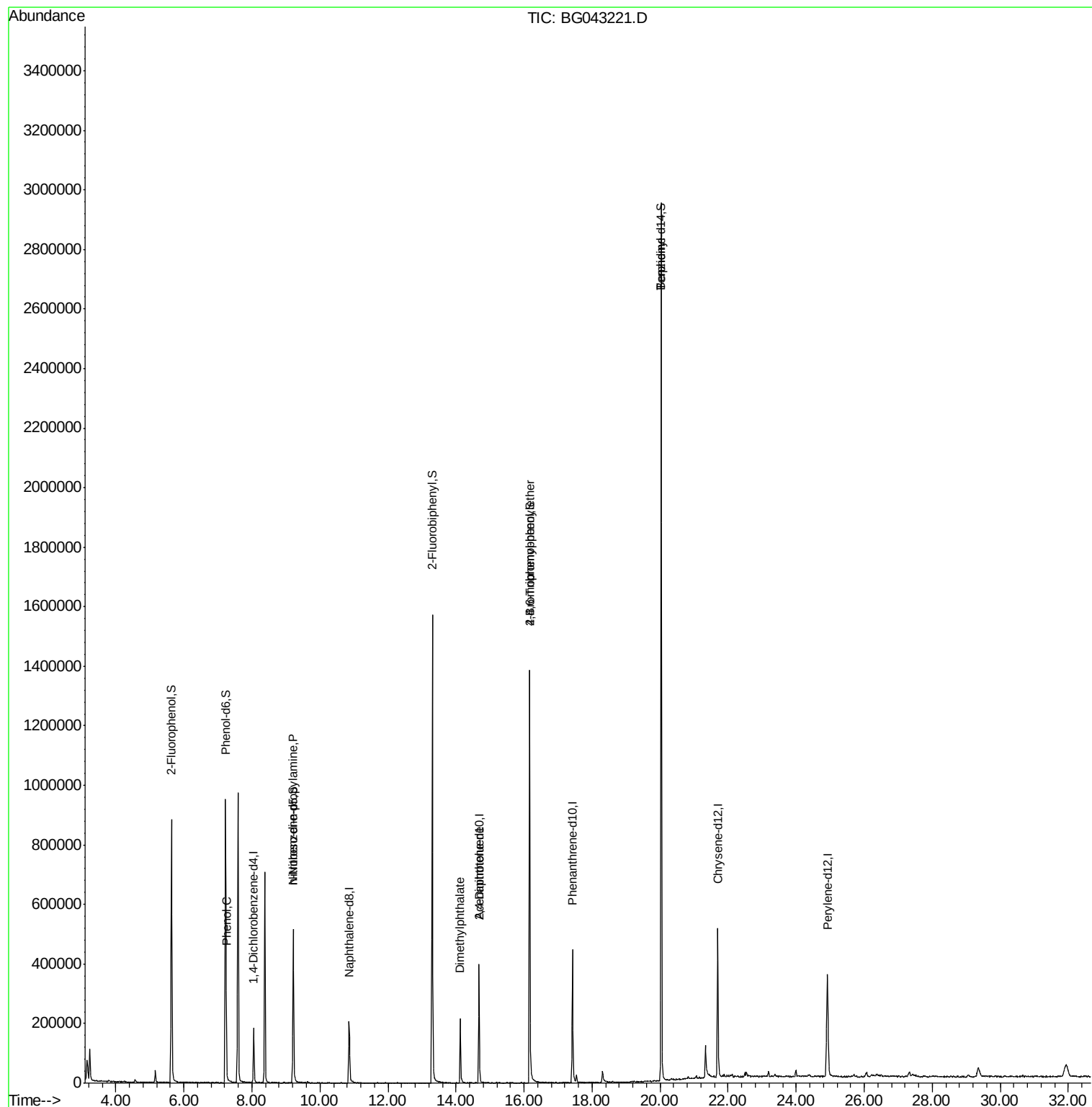
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56573	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	214519	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	151614	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	338834	20.00	ng	0.00
76) Chrysene-d12	21.70	240	350014	20.00	ng	0.00
87) Perylene-d12	24.92	264	413738	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	400904	126.47	ng	0.00
7) Phenol-d6	7.23	99	584375	128.01	ng	0.00
23) Nitrobenzene-d5	9.21	82	365288	82.77	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	344081	131.98	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	936789	89.57	ng	0.00
79) Terphenyl-d14	20.03	244	1598016	97.29	ng	0.00
Target Compounds						
10) Phenol	7.25	94	15900	3.796	ng	# 81
19) n-Nitroso-di-n-propylamine	9.21	70	50865	16.969	ng	# 72
50) Dimethylphthalate	14.12	163	160976	14.171	ng	# 98
57) 2,4-Dinitrotoluene	14.68	165	19926	5.625	ng	# 24
67) 4-Bromophenyl-phenylether	16.16	248	22519	5.295	ng	# 1
77) Benzidine	20.03	184	24685	2.817	ng	# 92

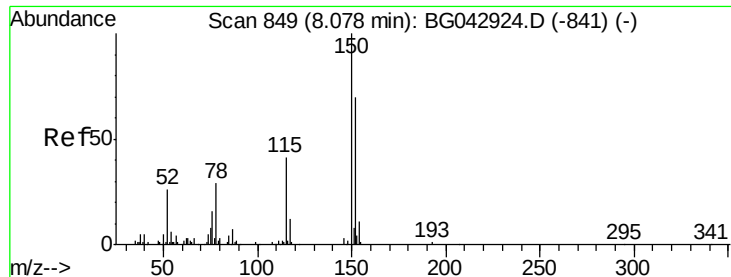
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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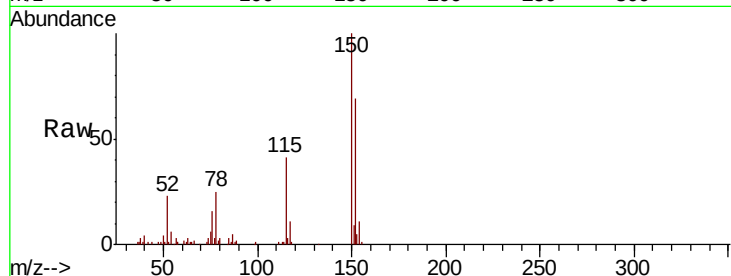


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	115.0	172.4
115	59.4	47.0	70.6

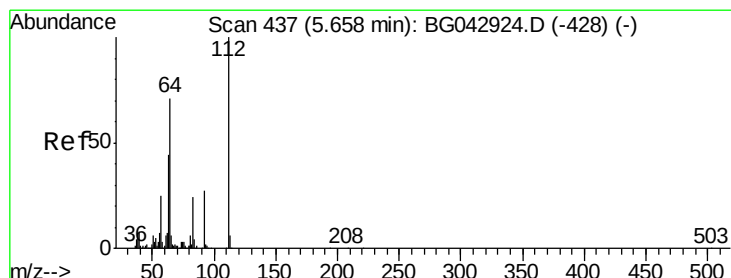
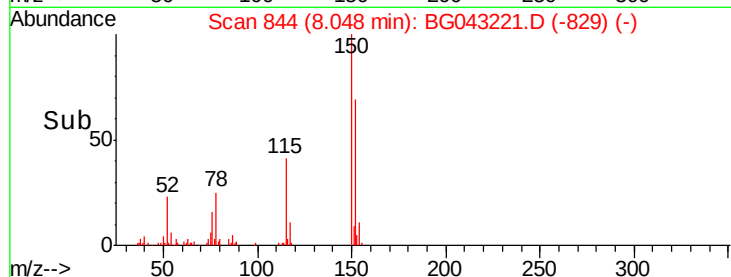
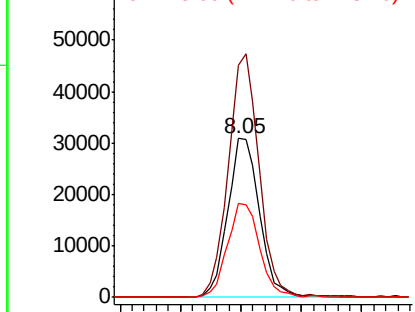


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

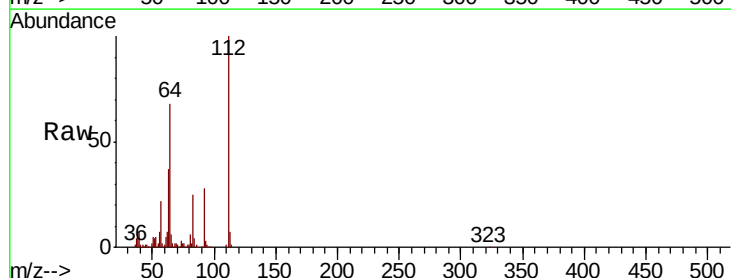
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.467 ng
RT: 5.63 min Scan# 433
Delta R.T. -0.01 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	56.6	84.8
63	36.6	35.1	52.7

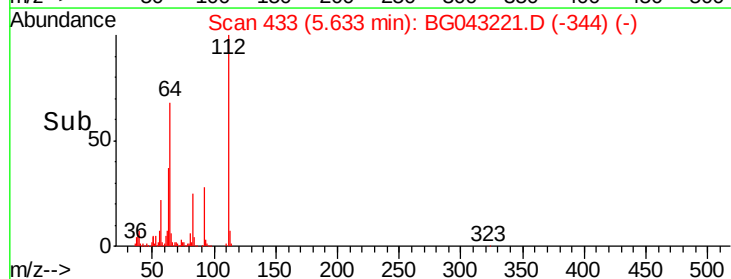
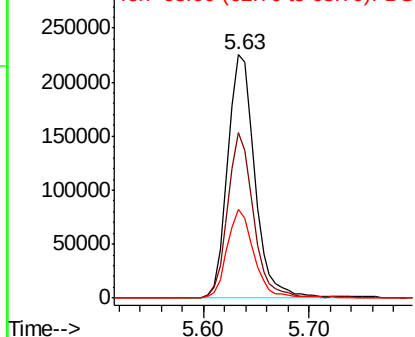


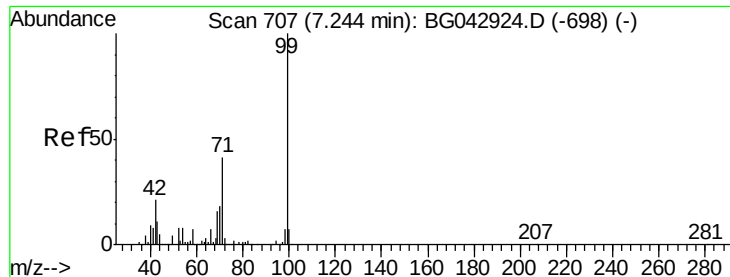
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 128.011 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampleId :

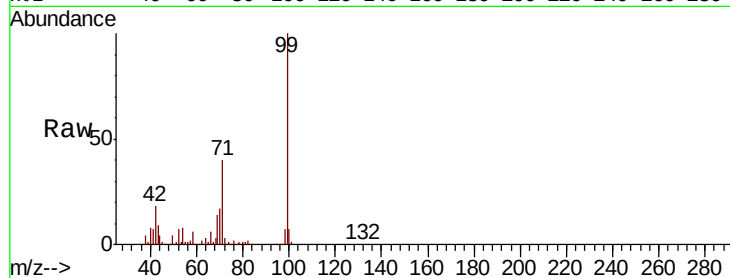
Tot Ion: 99 Resp: 584375

Ion Ratio Lower Upper

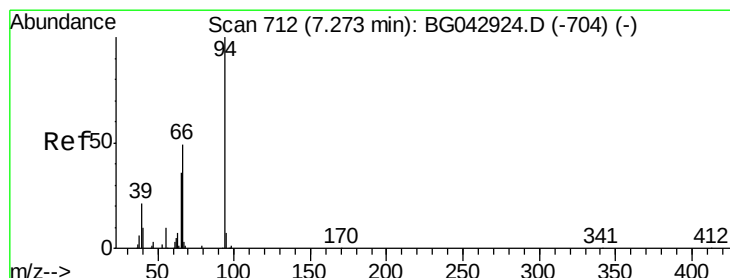
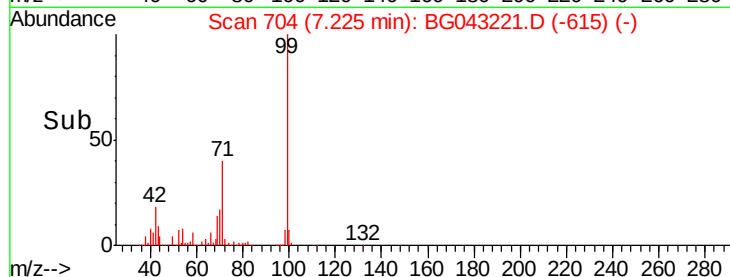
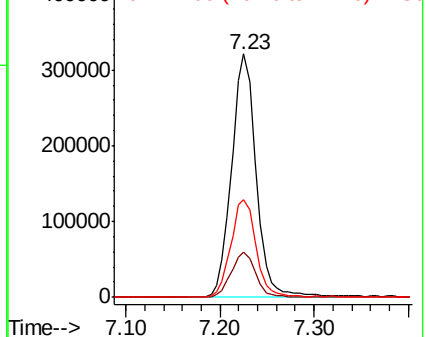
99 100

42 18.4 17.2 25.8

71 39.9 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: 3.796 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

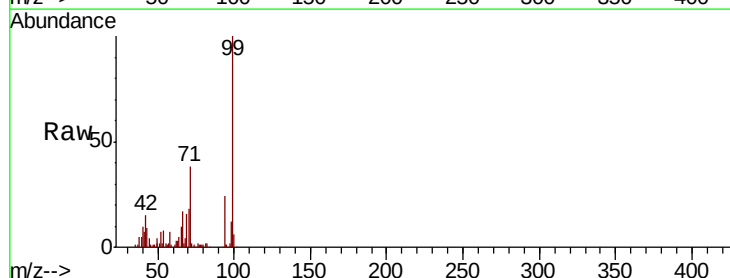
Tgt Ion: 94 Resp: 15900

Ion Ratio Lower Upper

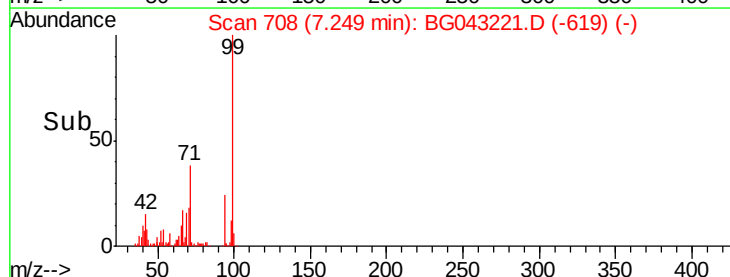
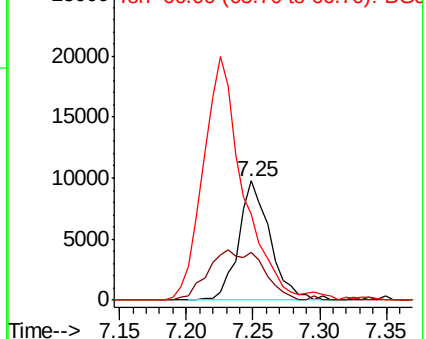
94 100

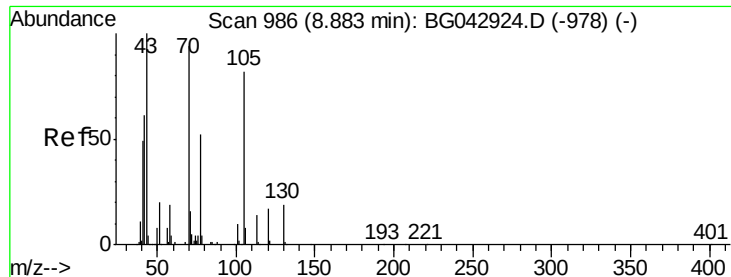
65 40.6 16.6 56.6

66 72.4 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

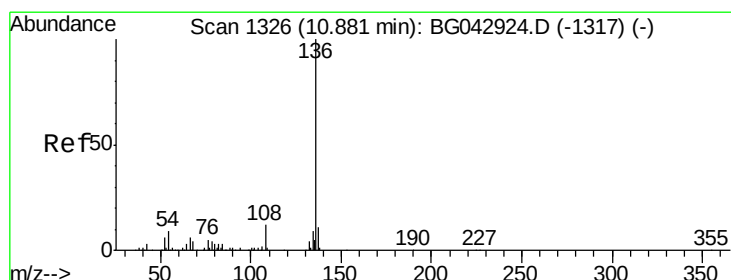
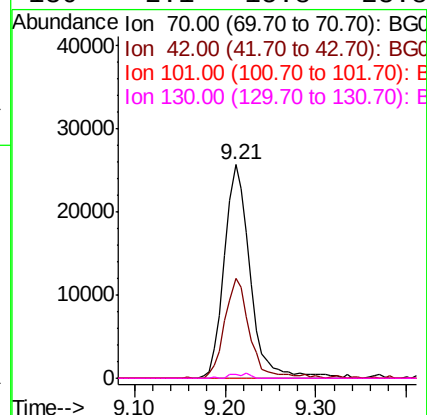
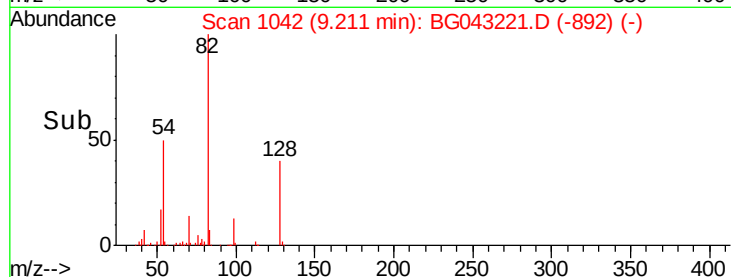
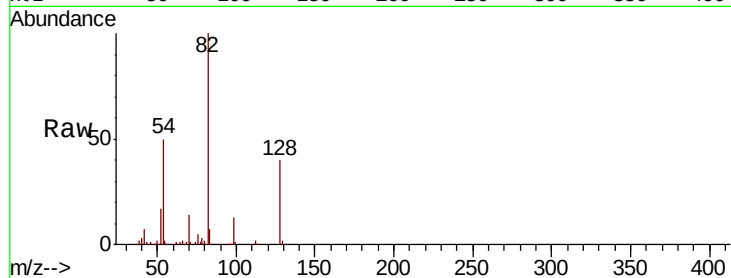




#19
n-Nitroso-di-n-propylamine
Concen: 16.969 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.35 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

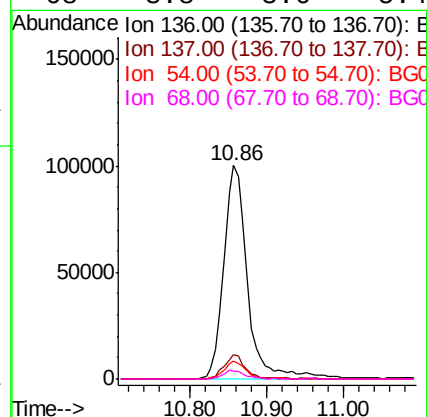
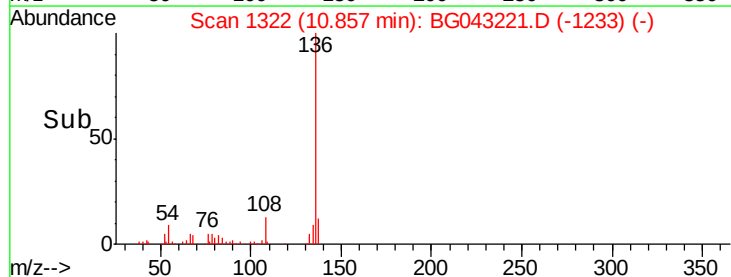
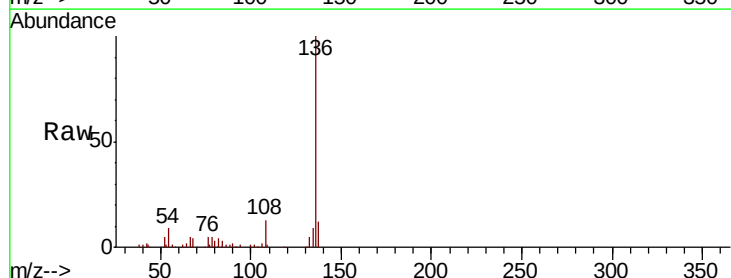
Instrument :
BNA_G
ClientSampleId :

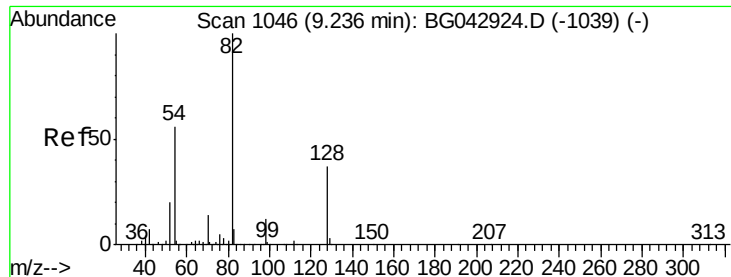
Tot Ion	Ratio	Lower	Upper
70	100		
42	46.5	52.6	79.0#
101	0.0	8.7	13.1#
130	2.1	15.8	23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	8.6	7.4	11.2
68	3.8	3.6	5.4





#23

Nitrobenzene-d5

Concen: 82.766 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampled :

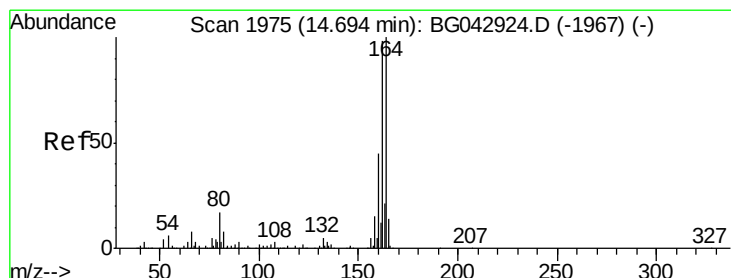
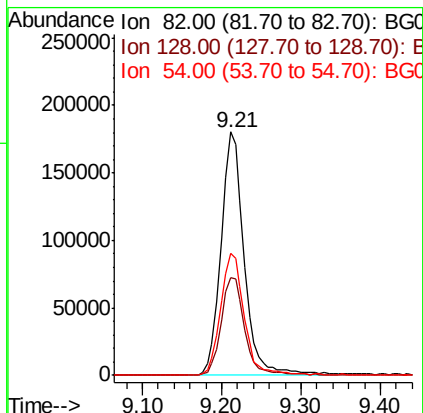
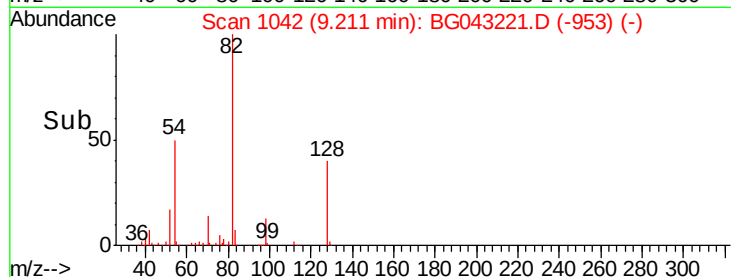
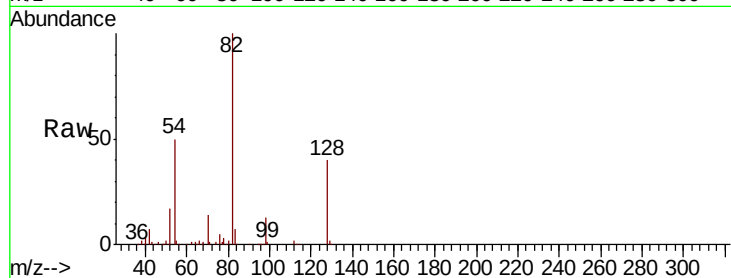
Tot Ion: 82 Resp: 365288

Ion Ratio Lower Upper

82 100

128 40.3 29.5 44.3

54 50.0 44.6 67.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

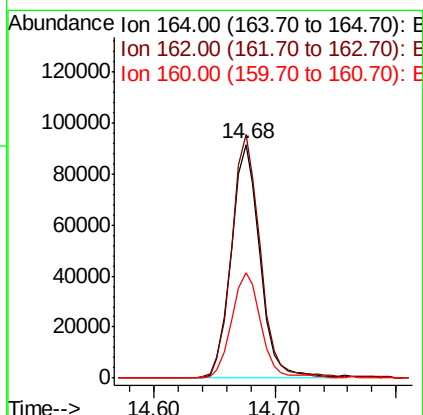
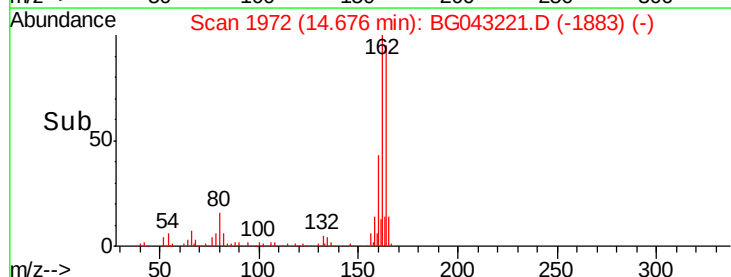
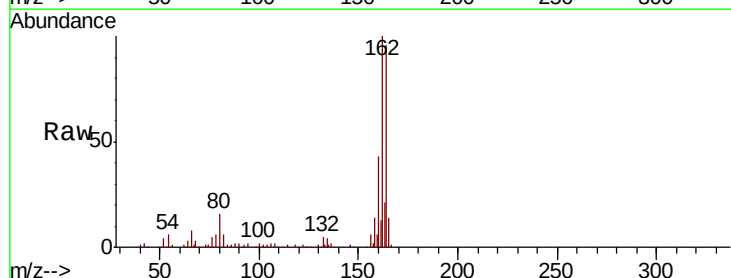
Tgt Ion: 164 Resp: 151614

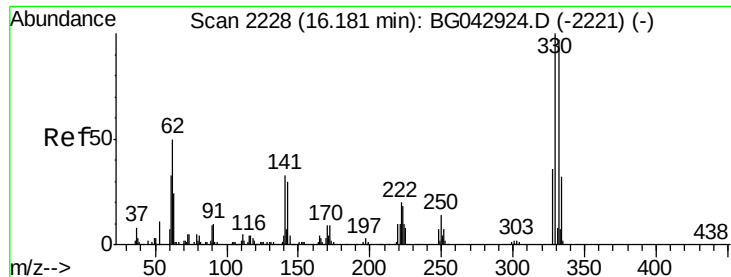
Ion Ratio Lower Upper

164 100

162 104.1 78.5 117.7

160 45.1 35.9 53.9

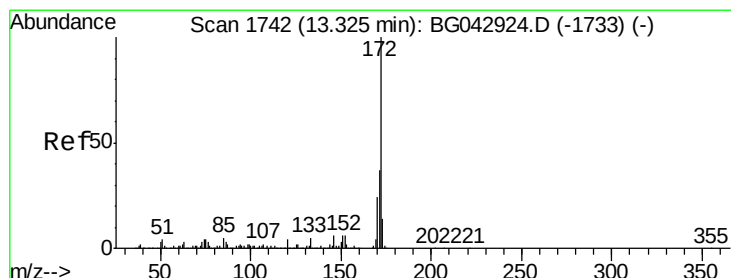
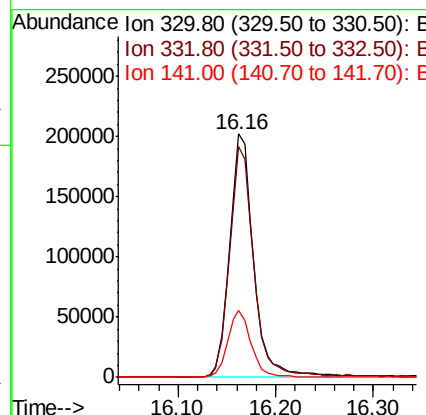
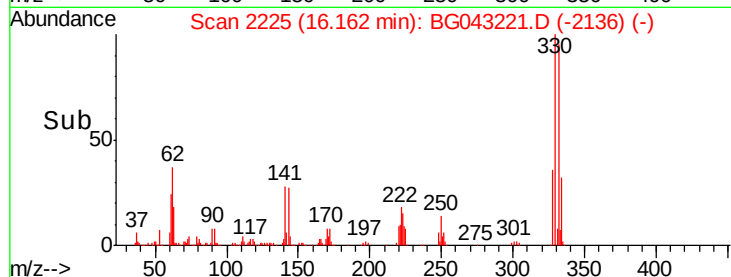
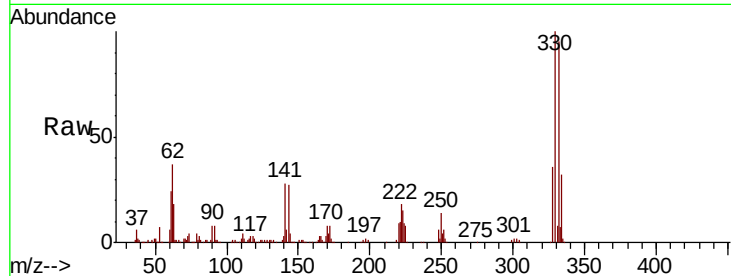




#42
2,4,6-Tribromophenol
Concen: 131.979 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

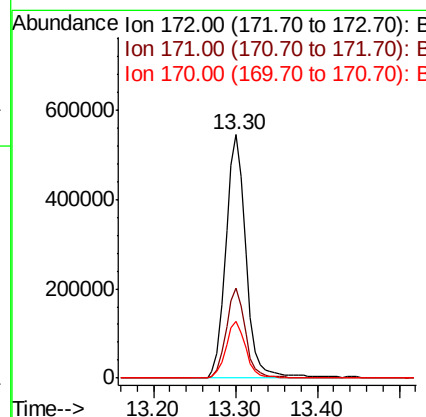
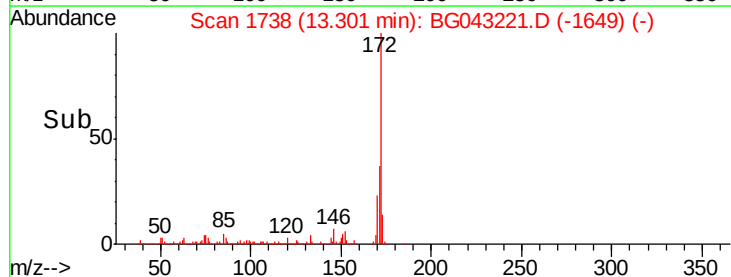
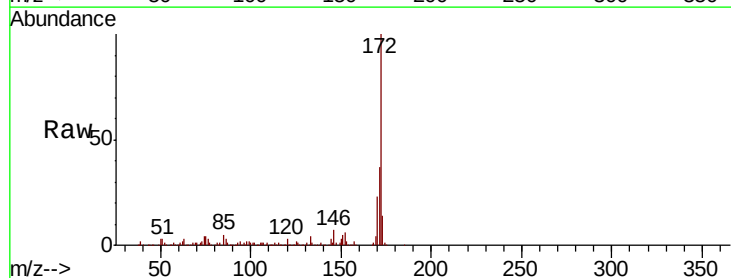
Instrument :
BNA_G
ClientSampleId :

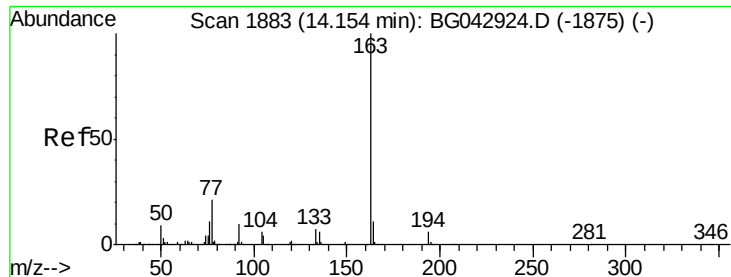
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.2	117.2
141	27.4	26.0	39.0



#45
2-Fluorobiphenyl
Concen: 89.574 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG043221.D
Acq: 15 Oct 2019 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	23.4	19.6	29.4





#50

Dimethylphthalate

Concen: 14.171 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampleId :

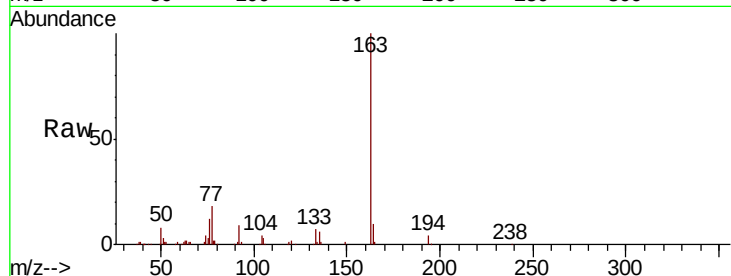
Tot Ion:163 Resp: 160976

Ion Ratio Lower Upper

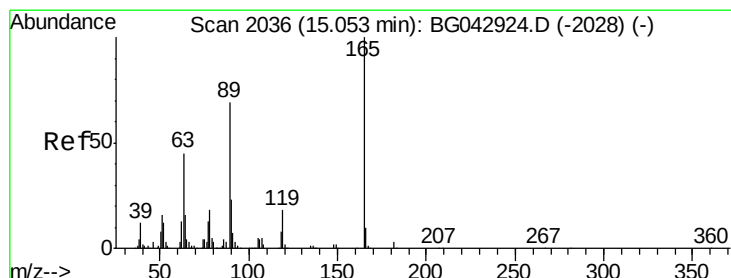
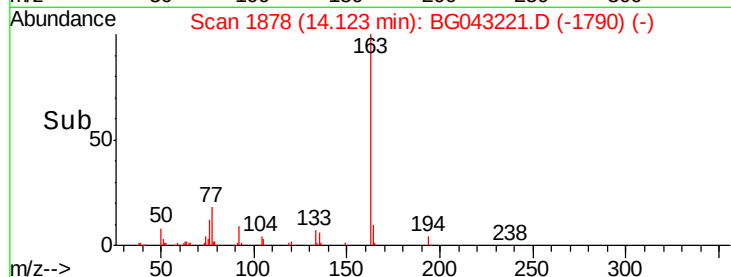
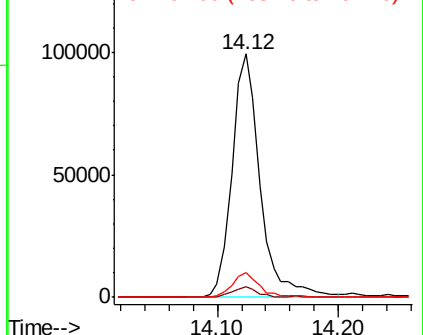
163 100

194 4.2 4.4 6.6#

164 10.2 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: 5.625 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Tgt Ion:165 Resp: 19926

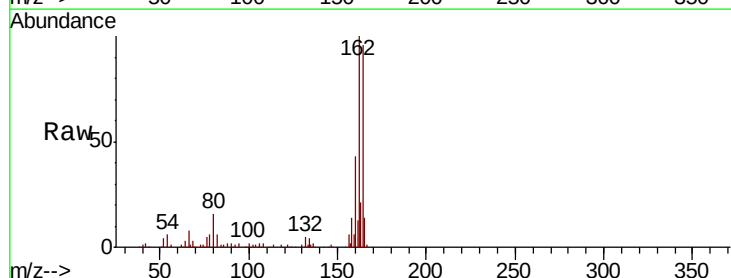
Ion Ratio Lower Upper

165 100

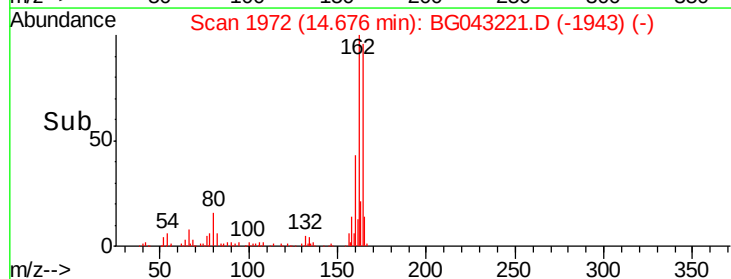
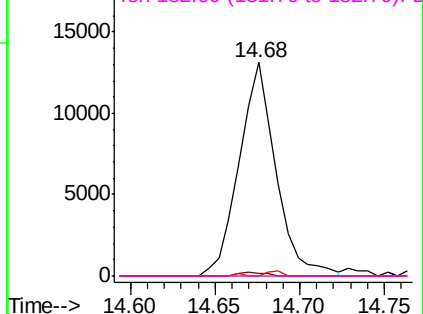
63 1.4 36.5 54.7#

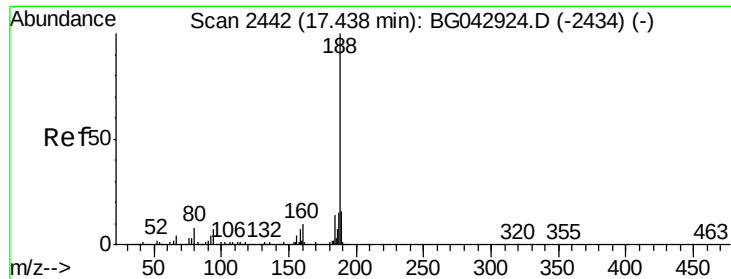
89 0.0 55.5 83.3#

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: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampled :

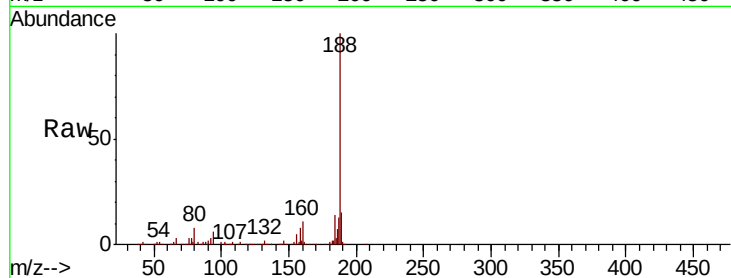
Tot Ion:188 Resp: 338834

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

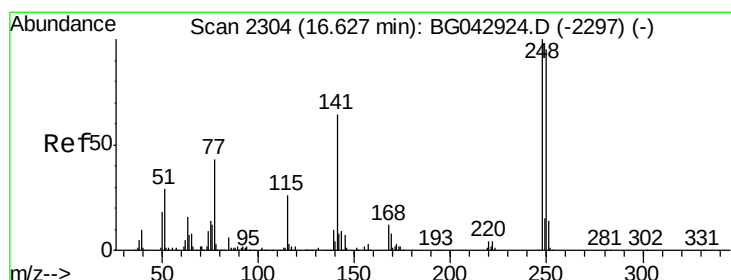
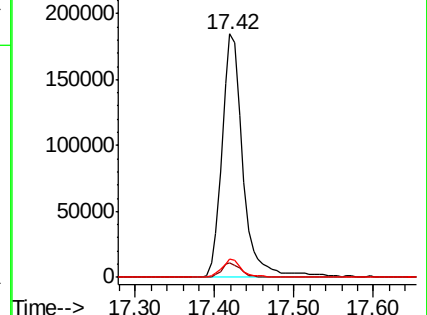
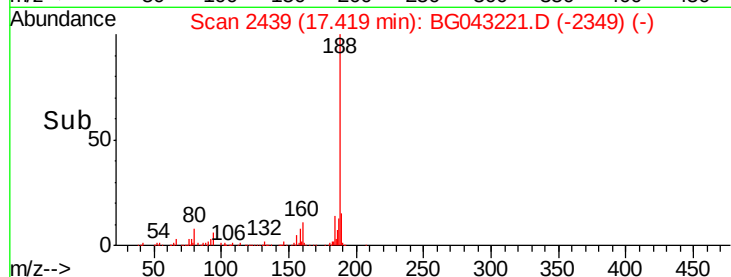
80 7.8 6.5 9.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.295 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.45 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

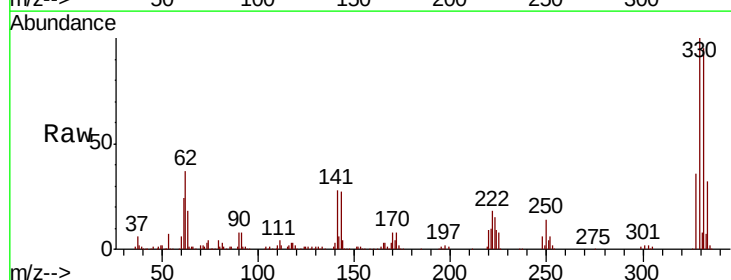
Tgt Ion:248 Resp: 22519

Ion Ratio Lower Upper

248 100

250 215.2 75.8 113.8#

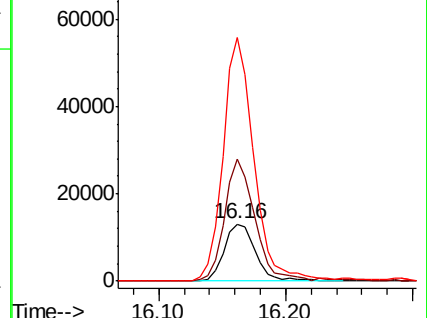
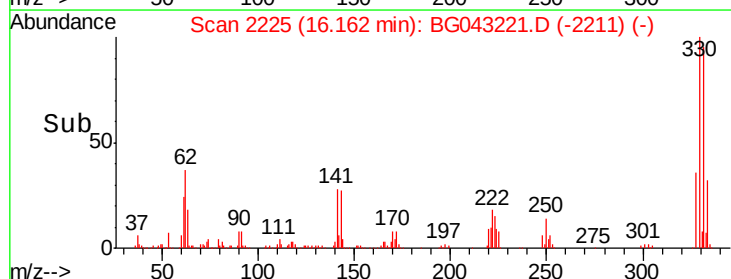
141 427.9 51.1 76.7#

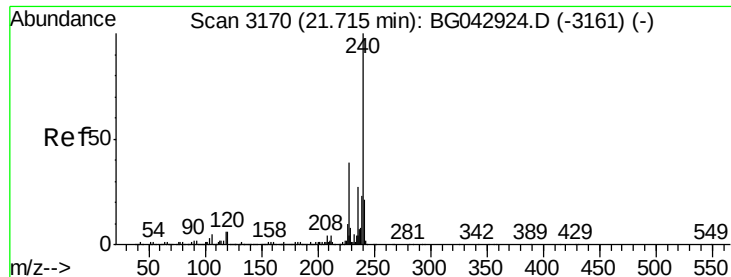


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampleId :

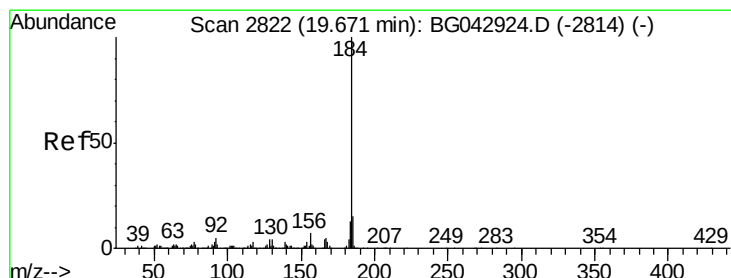
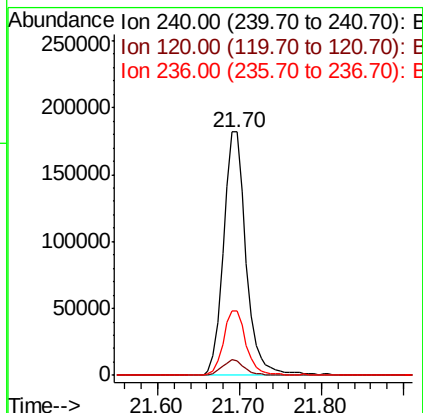
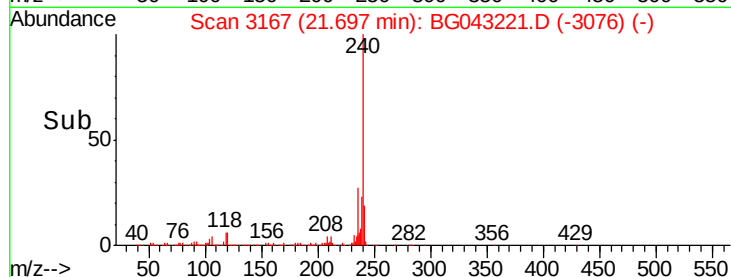
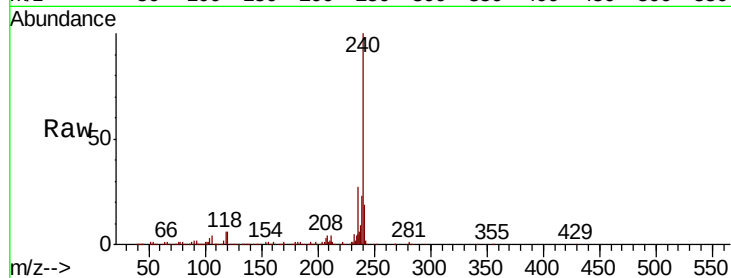
Tot Ion:240 Resp: 350014

Ion Ratio Lower Upper

240 100

120 6.1 4.8 7.2

236 26.7 21.4 32.0



#77

Benzidine

Concen: 2.817 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.37 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

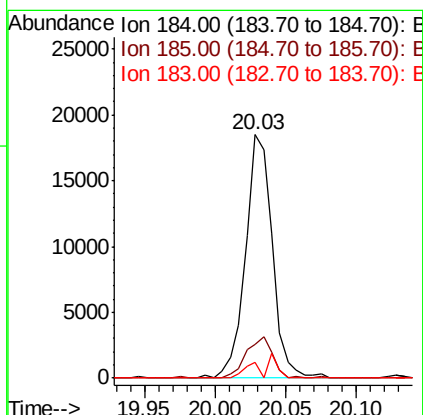
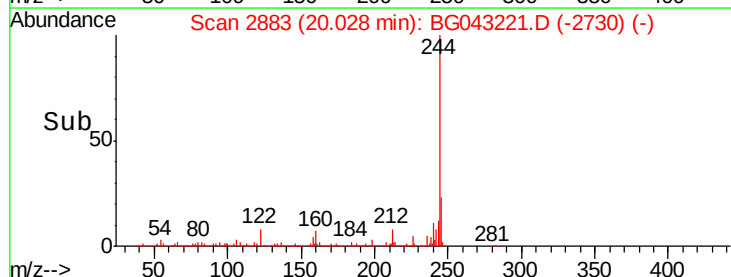
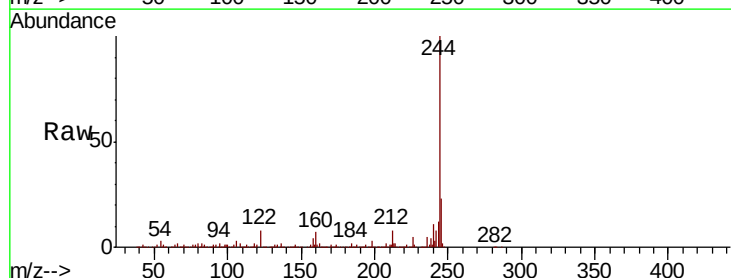
Tgt Ion:184 Resp: 24685

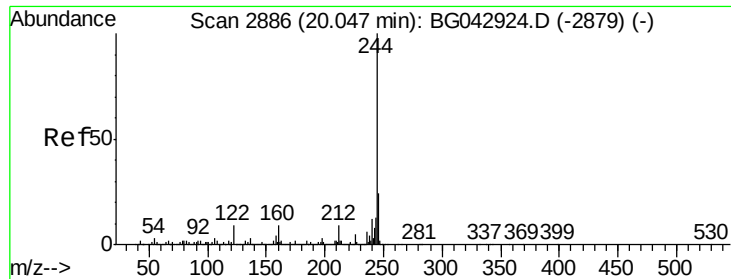
Ion Ratio Lower Upper

184 100

185 14.0 11.8 17.8

183 6.7 10.1 15.1#





#79

Terphenyl-d14

Concen: 97.287 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

Instrument :

BNA_G

ClientSampled :

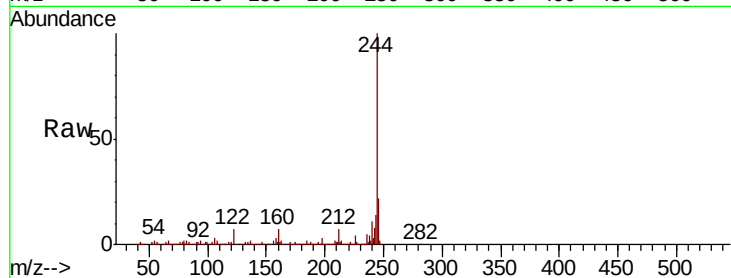
Tot Ion:244 Resp: 1598016

Ion Ratio Lower Upper

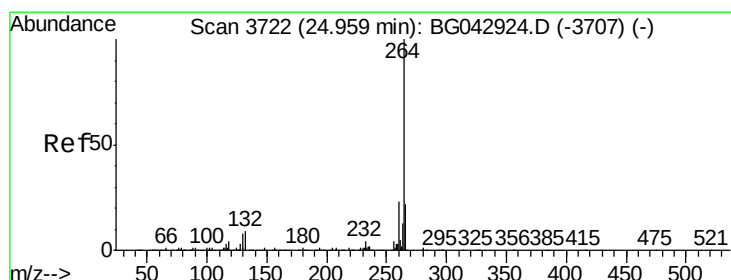
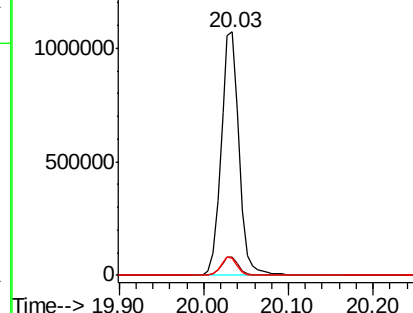
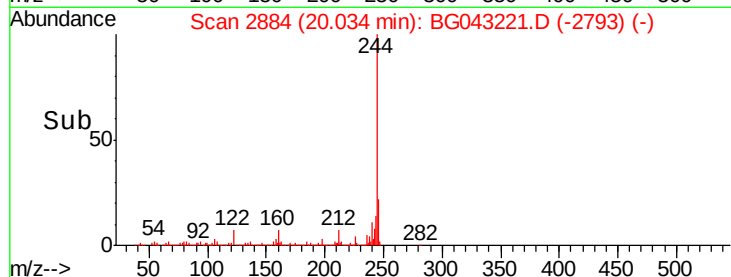
244 100

212 7.3 7.4 11.0#

122 7.0 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: 24.92 min Scan# 3715

Delta R.T. 0.01 min

Lab File: BG043221.D

Acq: 15 Oct 2019 16:37

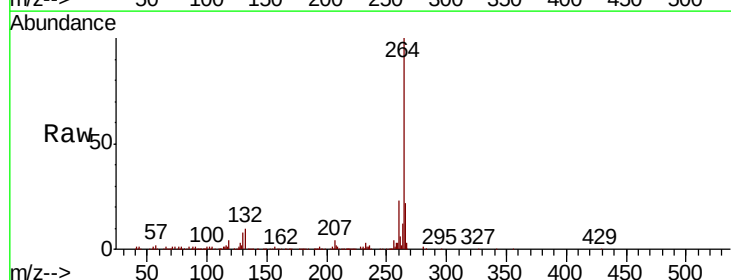
Tgt Ion:264 Resp: 413738

Ion Ratio Lower Upper

264 100

260 22.8 18.7 28.1

265 22.3 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

