

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043447.D
 Acq On : 31 Oct 2019 23:34
 Operator : JU
 Sample : K5614-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:02:51 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

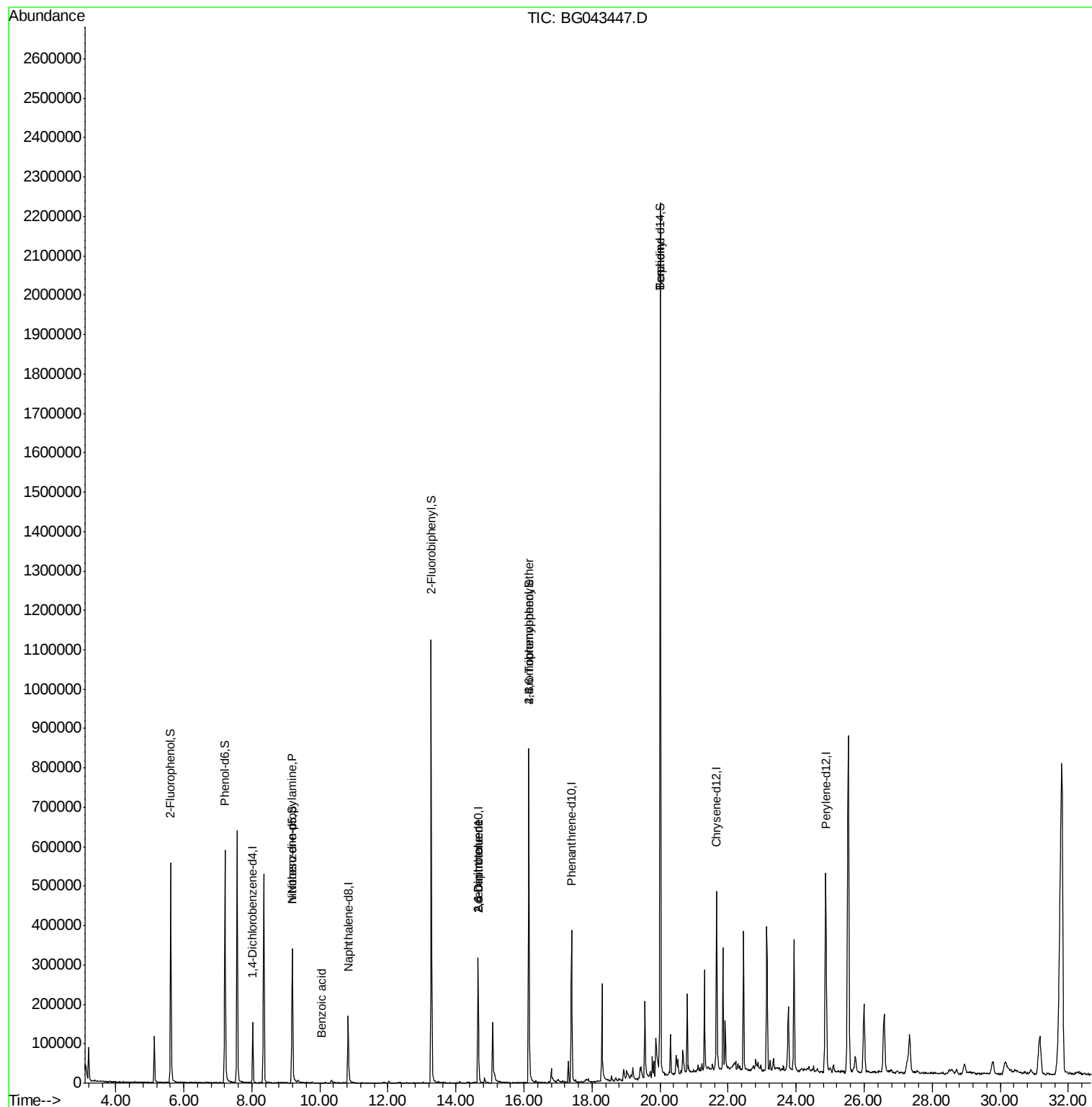
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	46825	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	171246	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	119453	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	275780	20.00	ng	0.00
76) Chrysene-d12	21.66	240	292997	20.00	ng	0.00
87) Perylene-d12	24.87	264	336632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	265842	104.03	ng	0.00
7) Phenol-d6	7.21	99	372569	101.34	ng	0.00
23) Nitrobenzene-d5	9.18	82	240081	72.28	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	203038	89.32	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	650216	75.22	ng	0.00
79) Terphenyl-d14	20.01	244	1141748	73.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	32631	13.735	ng	# 72
32) Benzoic acid	10.05	122	74	9.085	ng	# 1
51) 2,6-Dinitrotoluene	14.65	165	15477	7.700	ng	# 27
57) 2,4-Dinitrotoluene	14.65	165	15477	5.388	ng	# 29
67) 4-Bromophenyl-phenylether	16.14	248	13407	3.612	ng	# 1
77) Benzidine	20.01	184	16890	2.864	ng	# 78

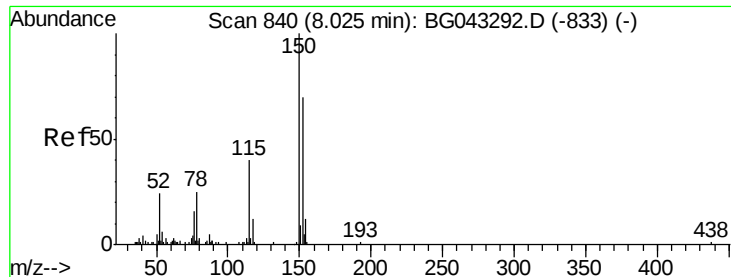
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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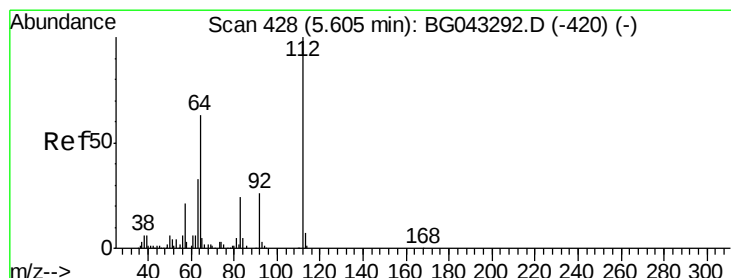
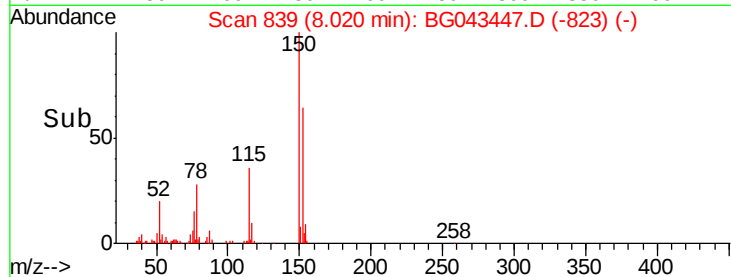
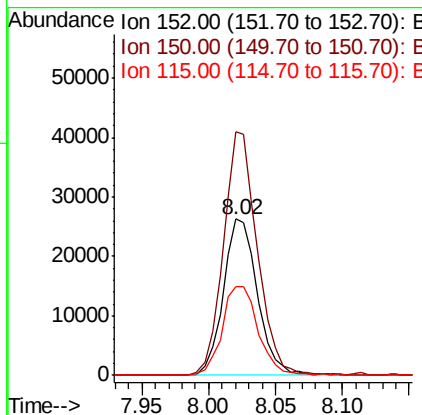
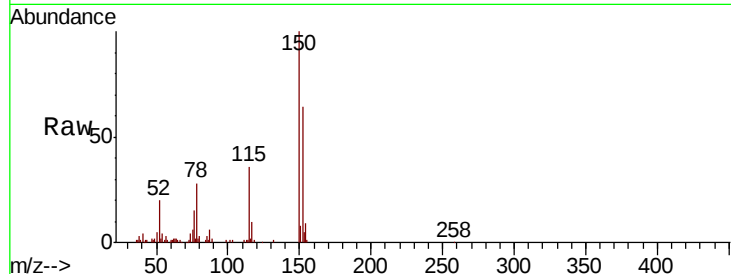


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043447.D
Acq: 31 Oct 2019 23:34

Instrument :
BNA_G
ClientSampled :

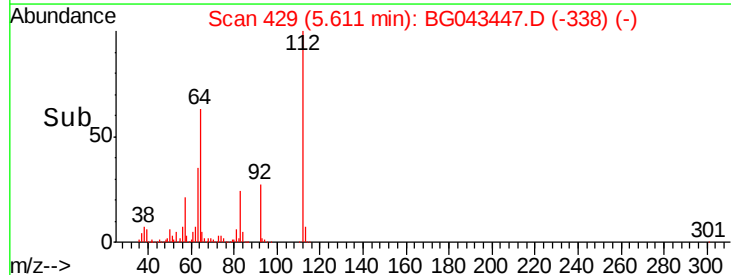
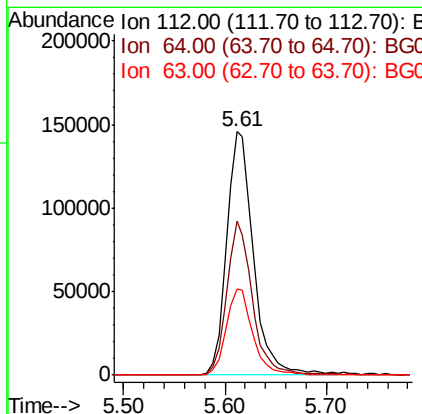
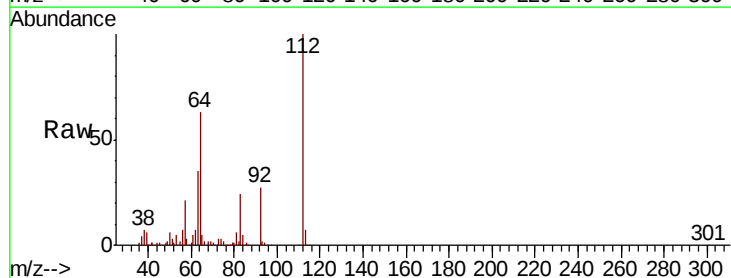
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	113.6	170.4
115	56.5	45.9	68.9

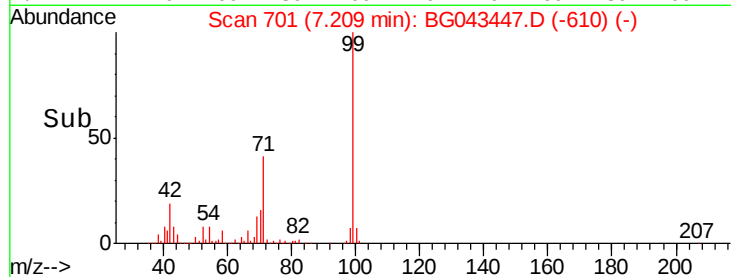
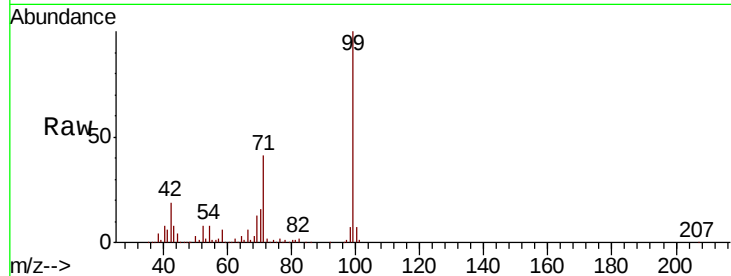
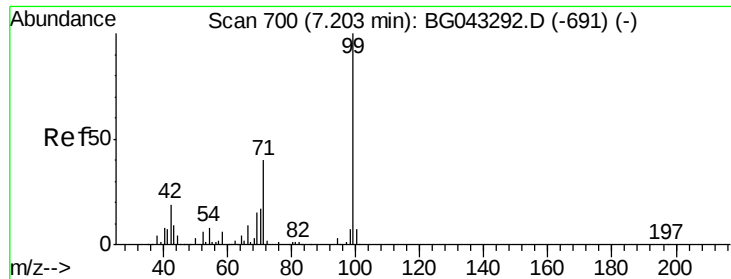


#5

2-Fluorophenol
Concen: 104.034 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG043447.D
Acq: 31 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	50.2	75.2
63	35.5	26.7	40.1





#7

Phenol-d6

Concen: 101.338 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

Instrument :

BNA_G

ClientSampleId :

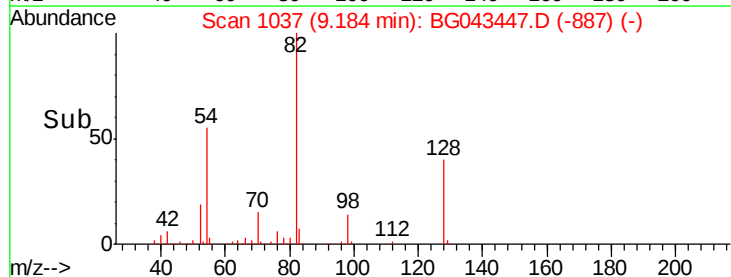
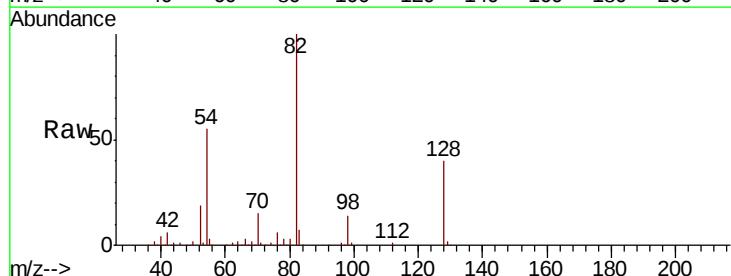
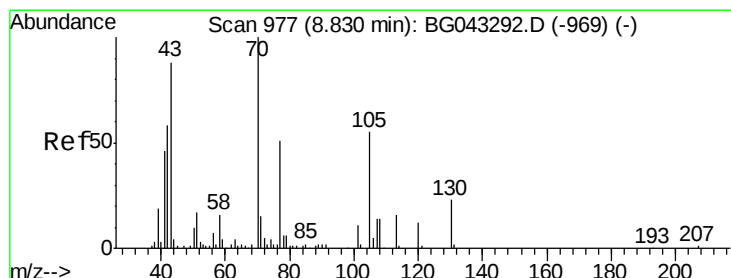
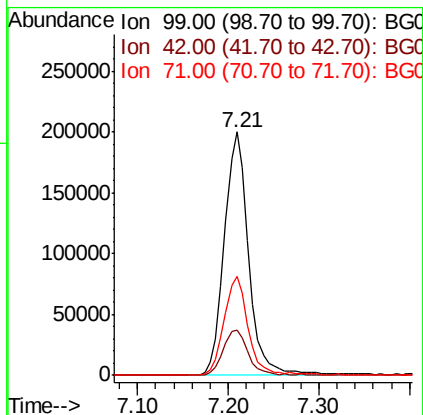
Tot Ion: 99 Resp: 372569

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

71 40.8 32.2 48.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.735 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

Tgt Ion: 70 Resp: 32631

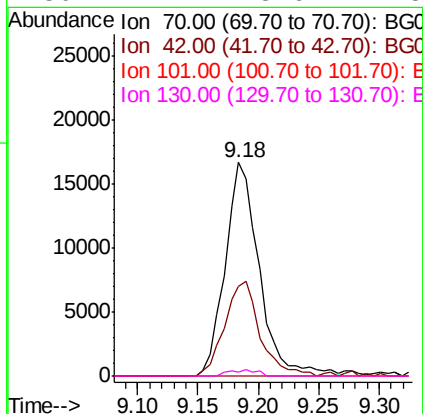
Ion Ratio Lower Upper

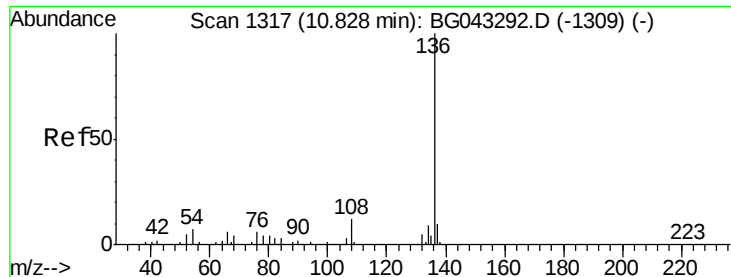
70 100

42 42.3 46.2 69.2#

101 0.0 8.6 13.0#

130 1.7 18.6 27.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 171246

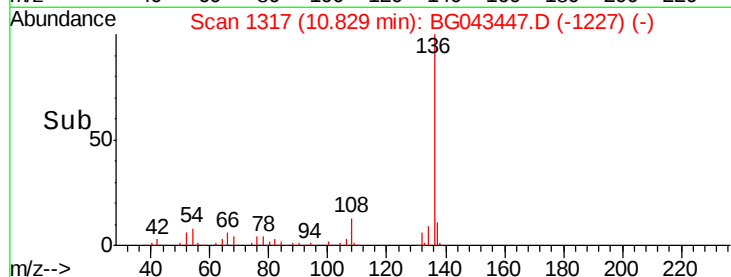
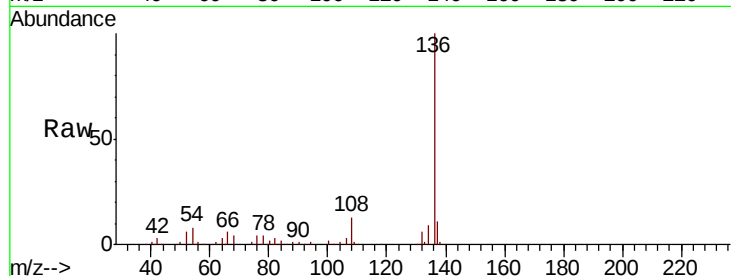
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.2

54 7.8 5.4 8.2

68 4.4 3.3 4.9

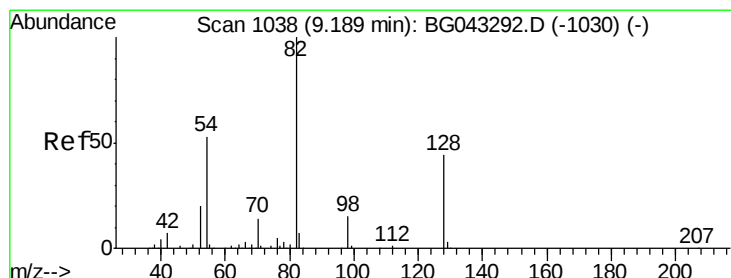
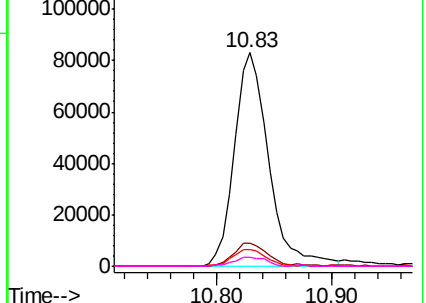


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.278 ng

RT: 9.18 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

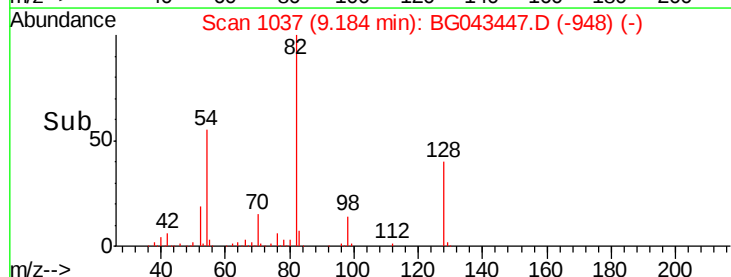
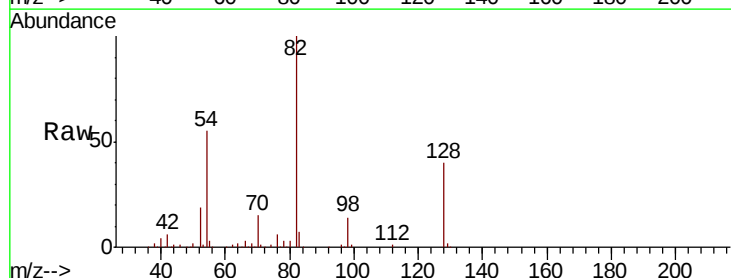
Tgt Ion: 82 Resp: 240081

Ion Ratio Lower Upper

82 100

128 39.8 35.3 52.9

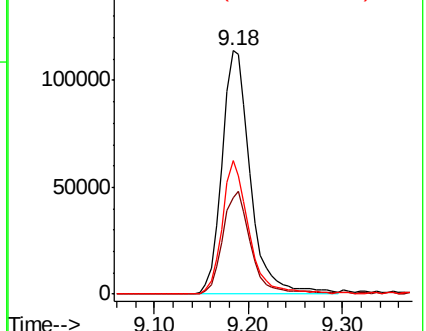
54 54.6 42.3 63.5

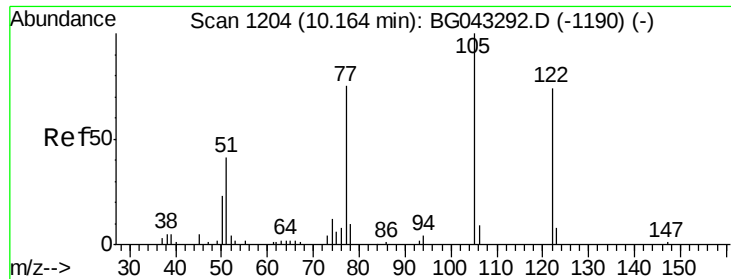


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 9.085 ng

RT: 10.05 min Scan# 1185

Delta R.T. -0.11 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

Instrument :

BNA_G

ClientSampled :

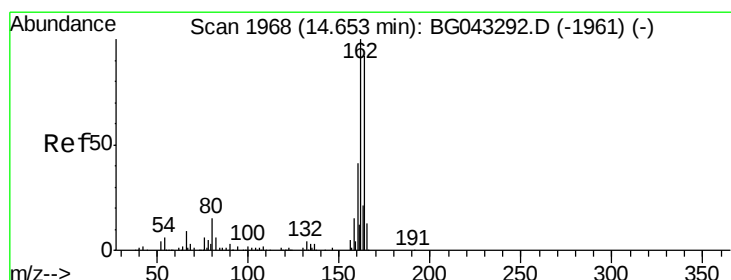
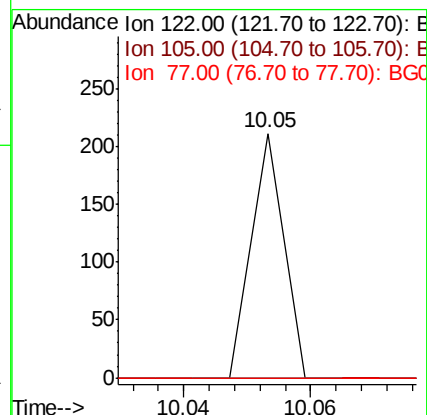
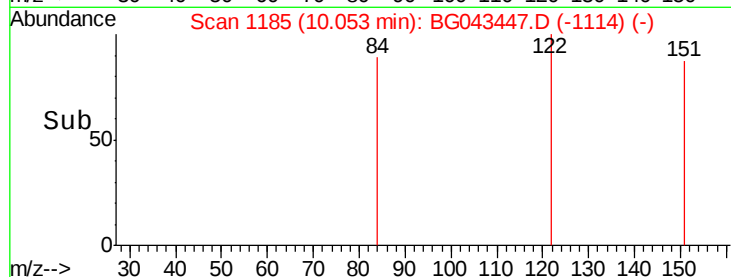
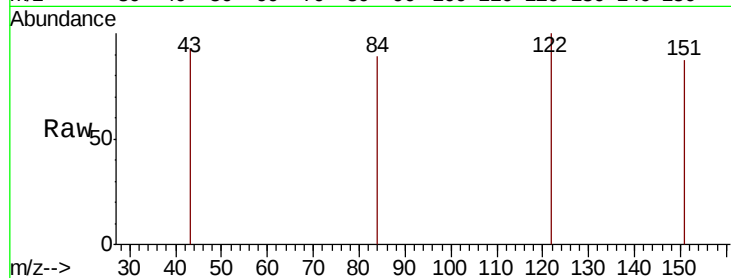
Tot Ion:122 Resp: 74

Ion Ratio Lower Upper

122 100

105 0.0 112.4 152.4#

77 0.0 82.7 122.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

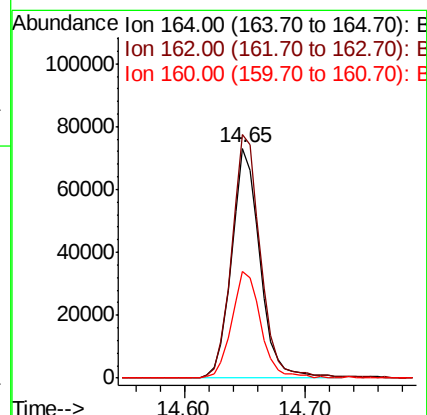
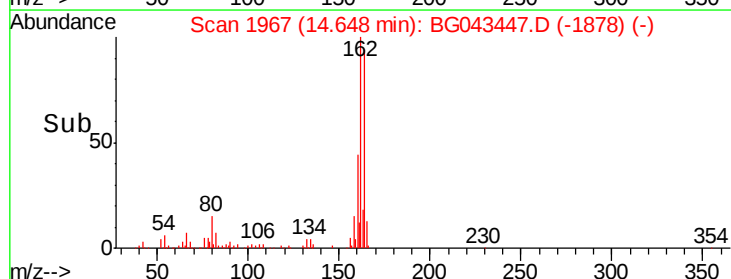
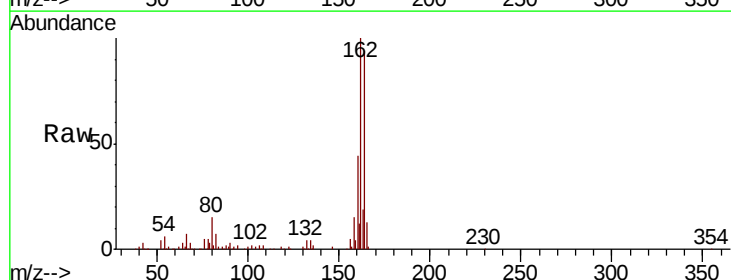
Tgt Ion:164 Resp: 119453

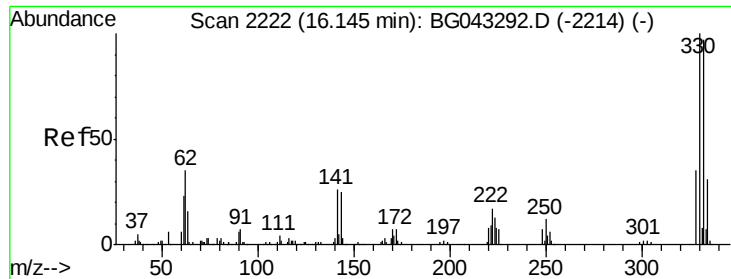
Ion Ratio Lower Upper

164 100

162 105.8 87.0 130.4

160 46.6 35.5 53.3

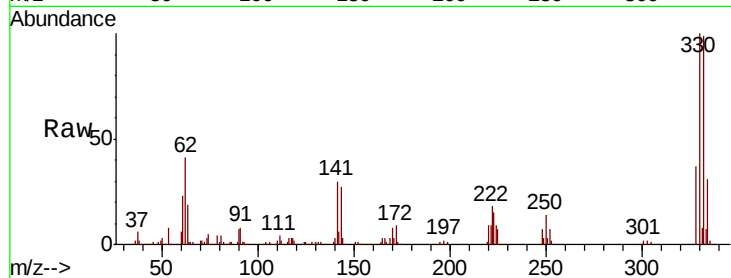




#42
 2,4,6-Tribromophenol
 Concen: 89.318 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.4	114.6
141	28.8	21.4	32.0

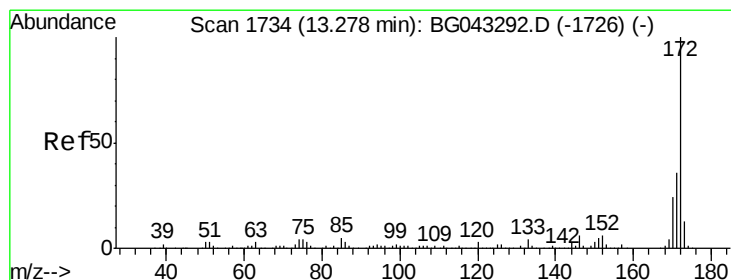
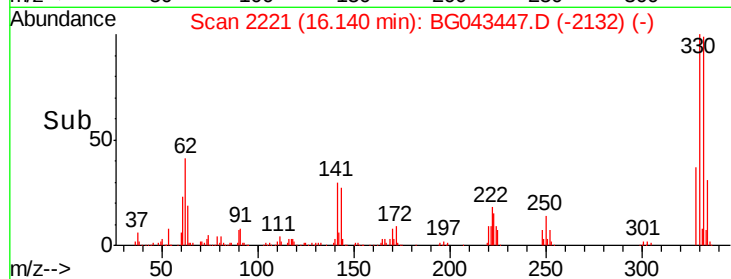
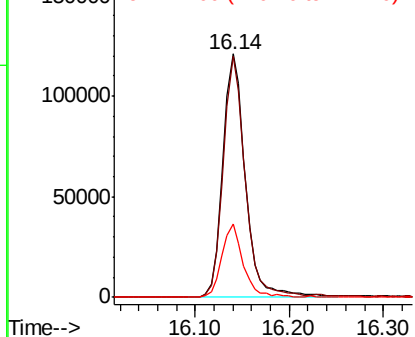


Abundance

Ion 329.80 (329.50 to 330.50): E

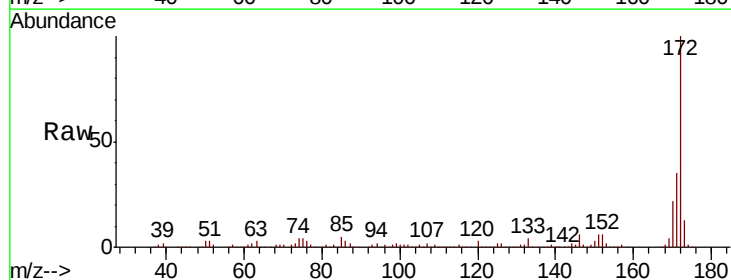
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.215 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	22.2	18.8	28.2

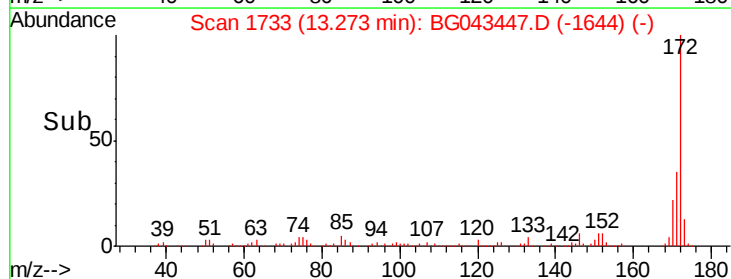
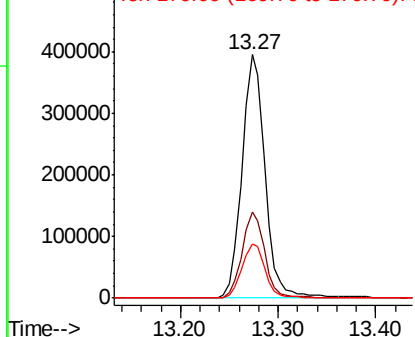


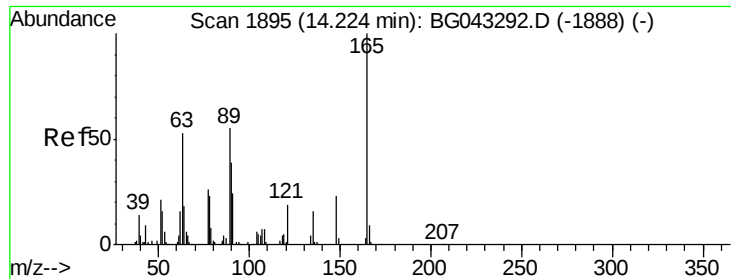
Abundance

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

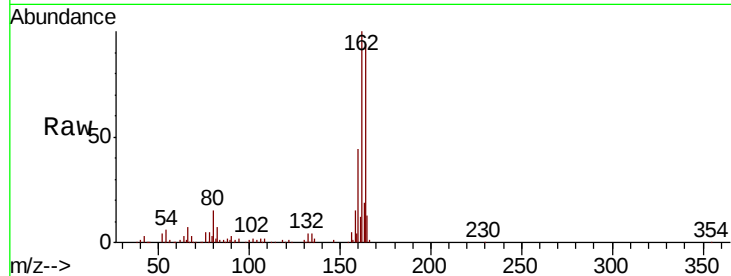




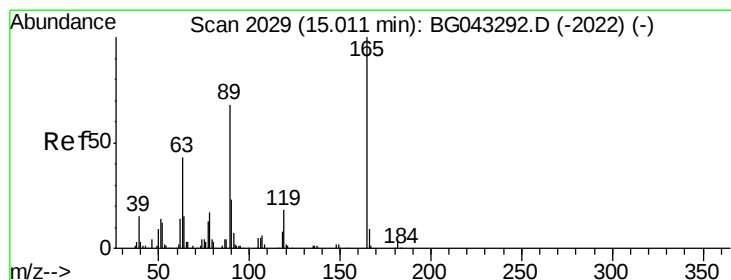
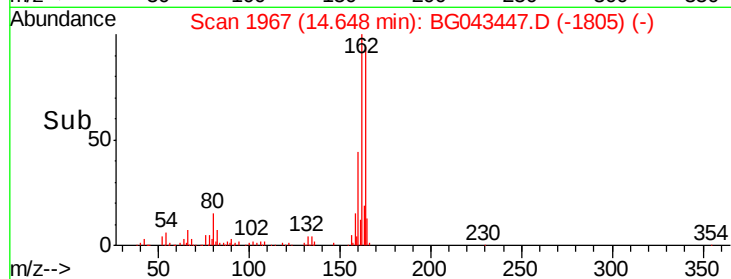
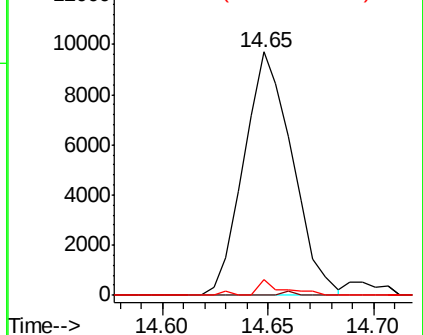
#51
 2,6-Dinitrotoluene
 Concen: 7.700 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.42 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.1	70.7#
89	6.5	43.7	65.5#



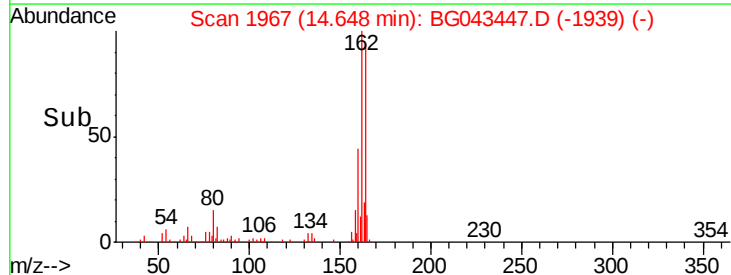
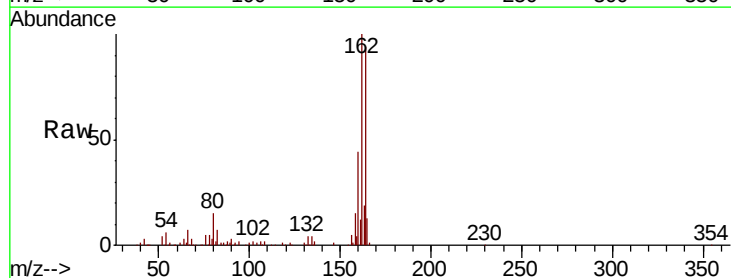
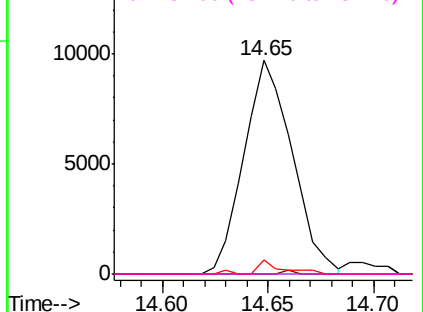
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

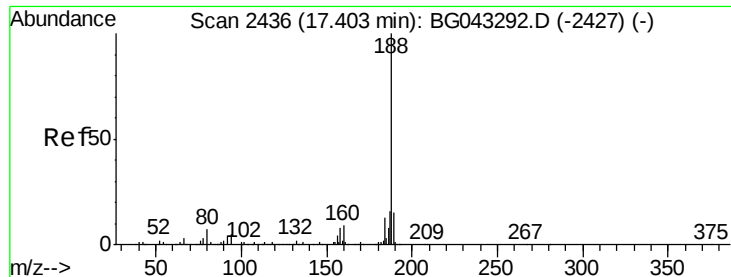


#57
 2,4-Dinitrotoluene
 Concen: 5.388 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	6.5	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: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

Instrument :

BNA_G

ClientSampleId :

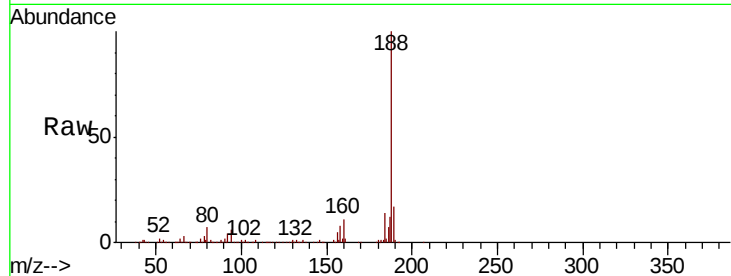
Tot Ion:188 Resp: 275780

Ion Ratio Lower Upper

188 100

94 6.1 4.2 6.2

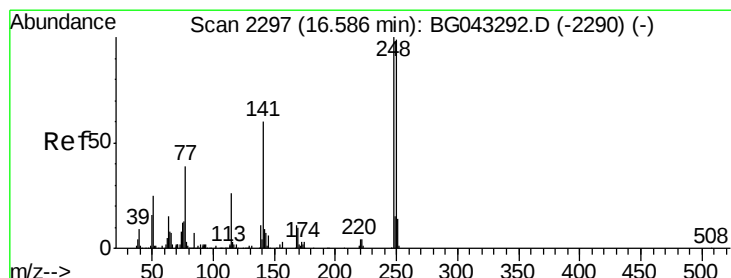
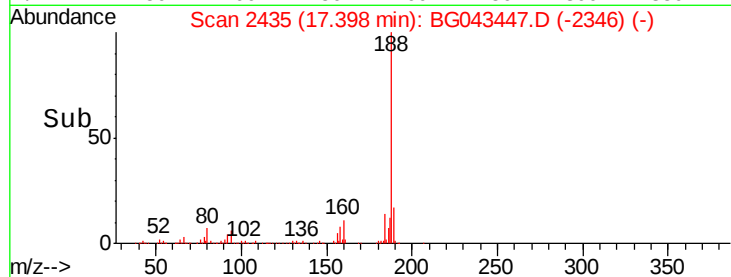
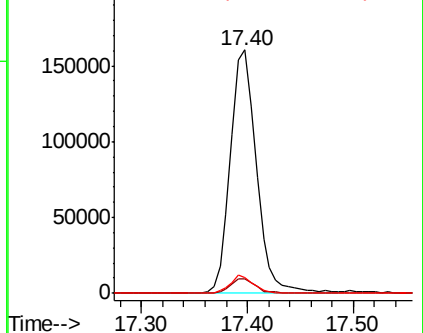
80 6.6 5.2 7.8



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: 3.612 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

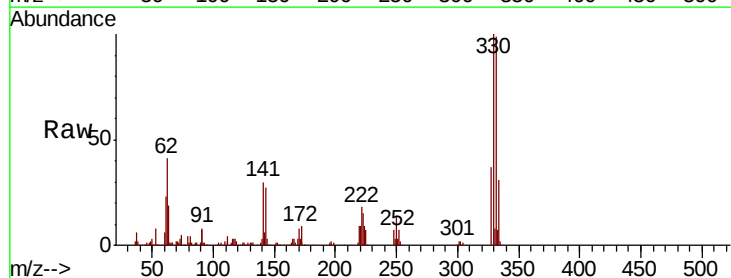
Tgt Ion:248 Resp: 13407

Ion Ratio Lower Upper

248 100

250 205.4 79.3 118.9#

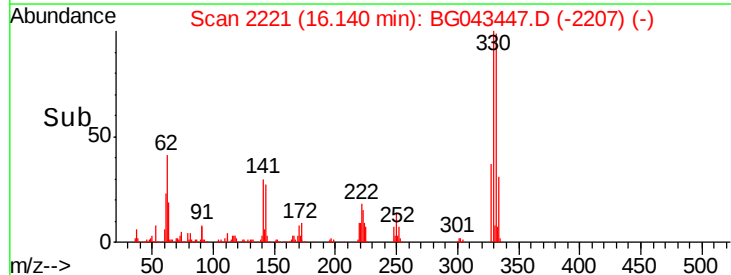
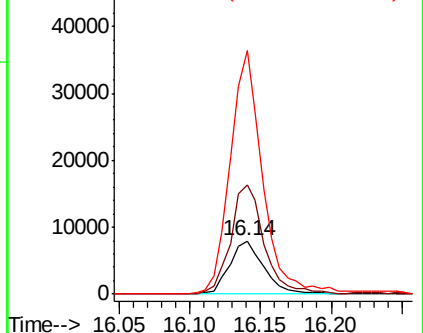
141 455.9 47.9 71.9#

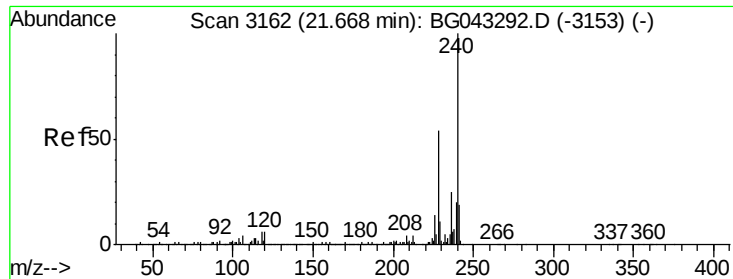


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043447.D

Acq: 31 Oct 2019 23:34

Instrument :

BNA_G

ClientSampleId :

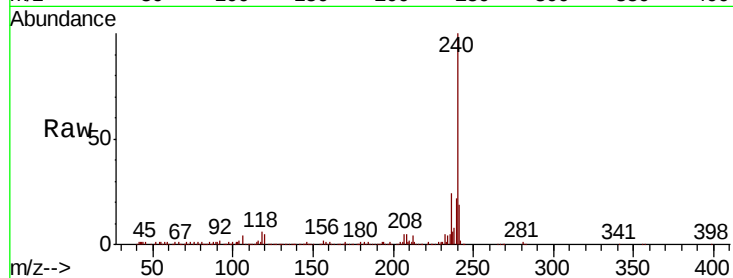
Tot Ion:240 Resp: 292997

Ion Ratio Lower Upper

240 100

120 4.7 4.6 7.0

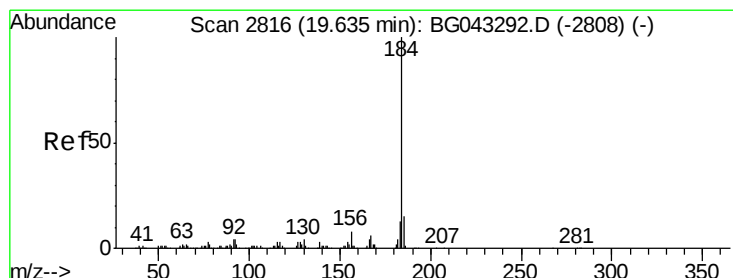
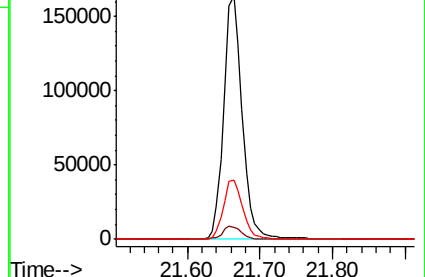
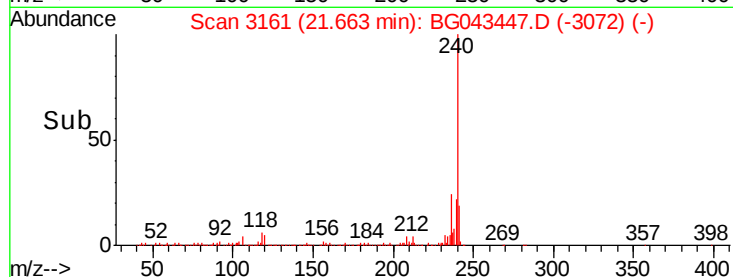
236 24.3 20.2 30.4



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: 2.864 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043447.D

Acq: 31 Oct 2019 23:34

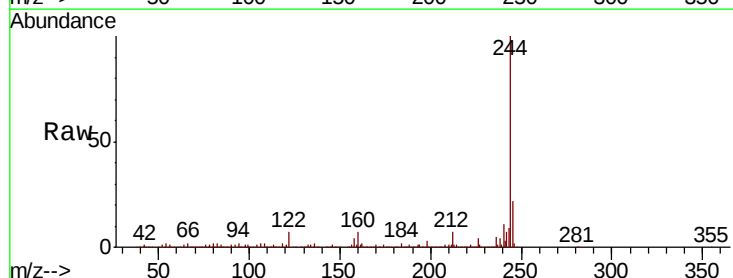
Tgt Ion:184 Resp: 16890

Ion Ratio Lower Upper

184 100

185 19.4 11.8 17.6#

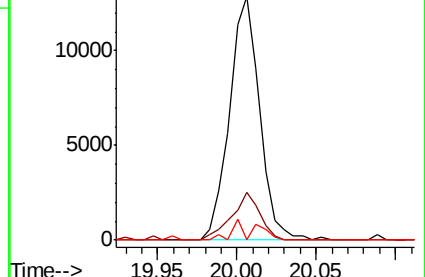
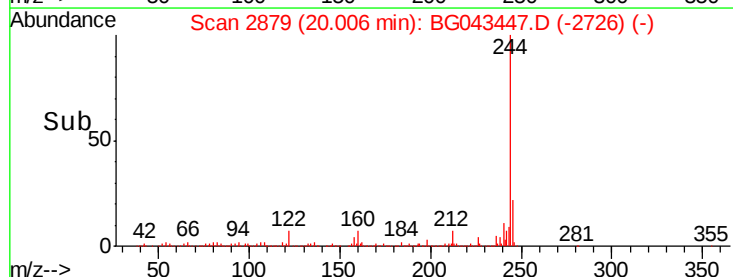
183 0.0 10.6 16.0#

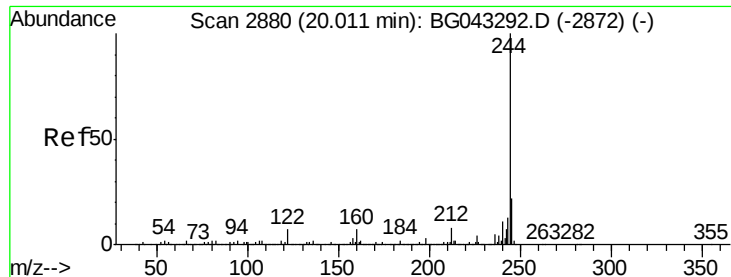


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

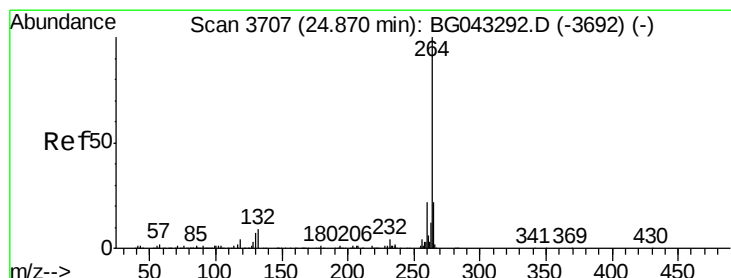
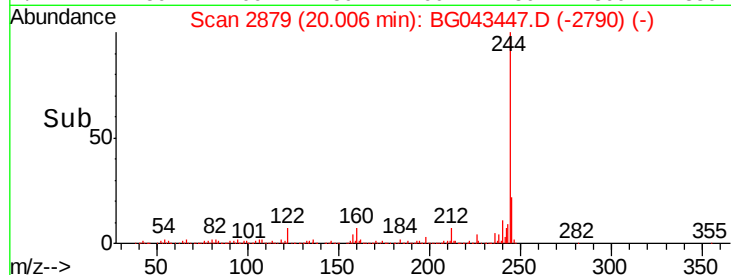
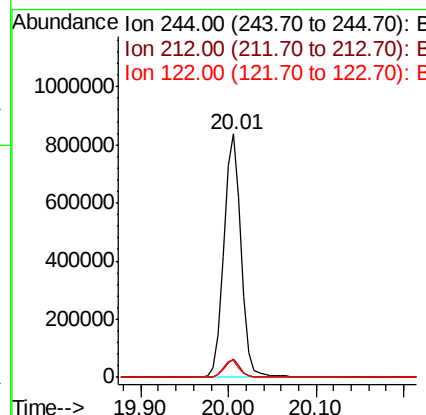
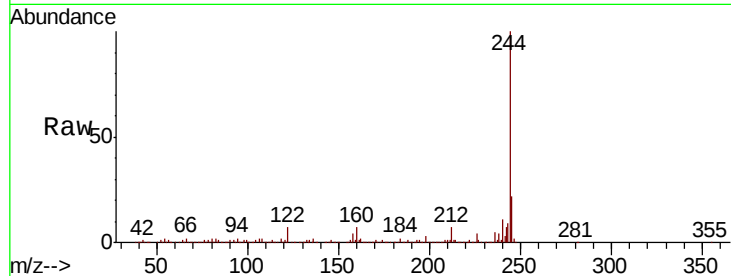




#79
 Terphenyl-d14
 Concen: 73.106 ng
 RT: 20.01 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1141748
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 7.0 5.3 7.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043447.D
 Acq: 31 Oct 2019 23:34

Tgt Ion:264 Resp: 336632
 Ion Ratio Lower Upper
 264 100
 260 22.3 17.9 26.9
 265 22.9 17.4 26.2

