

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043403.D
 Acq On : 30 Oct 2019 16:41
 Operator : JU
 Sample : PB124406BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:08:07 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

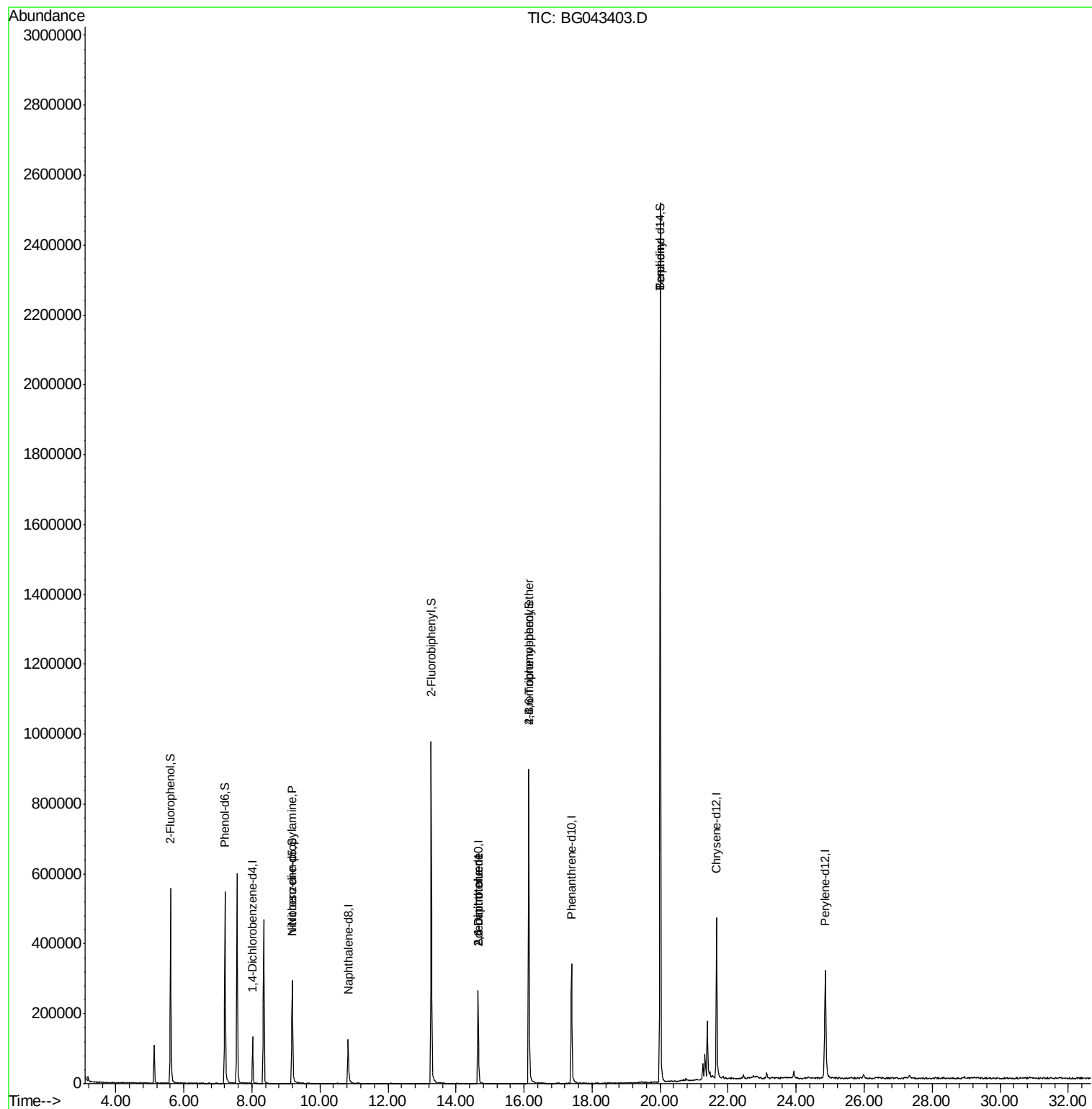
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	40048	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	135831	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	109920	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	277641	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	327758	20.00	ng	0.00
87) Perylene-d12	24.85	264	372708	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	259629	118.80	ng	0.00
7) Phenol-d6	7.21	99	361089	114.84	ng	0.00
23) Nitrobenzene-d5	9.18	82	210362	79.84	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	232599	111.20	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	609424	76.61	ng	0.00
79) Terphenyl-d14	20.01	244	1398796	80.07	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	28051	13.806	ng	# 79
51) 2,6-Dinitrotoluene	14.65	165	15202	8.219	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	15202	5.751	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	15164	4.058	ng	# 1
77) Benzidine	20.00	184	19649	2.979	ng	# 91

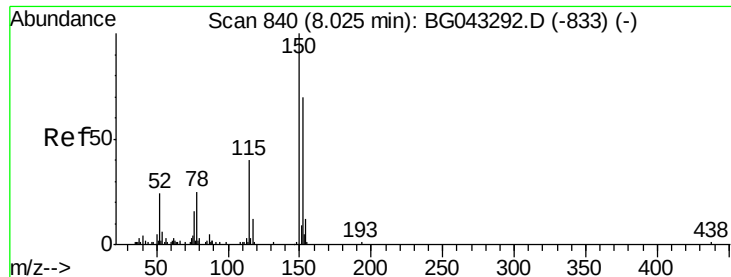
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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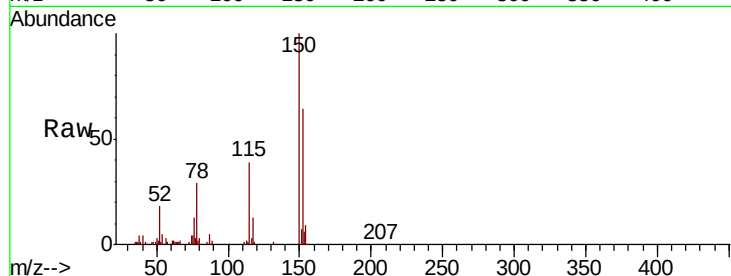


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG043403.D
Acq: 30 Oct 2019 16:41

Instrument :
BNA_G
ClientSampled :

Tot Ion	152	Resp	40048
Ion Ratio	Lower	Upper	
152	100		
150	155.9	113.6	170.4
115	60.4	45.9	68.9

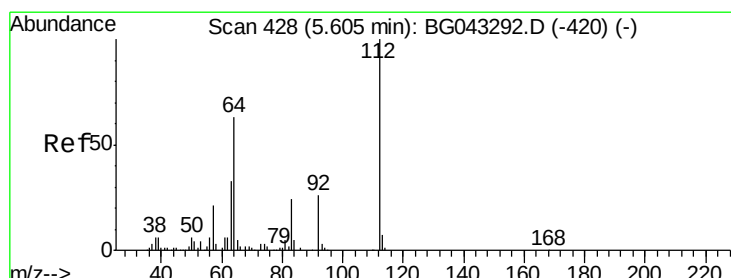
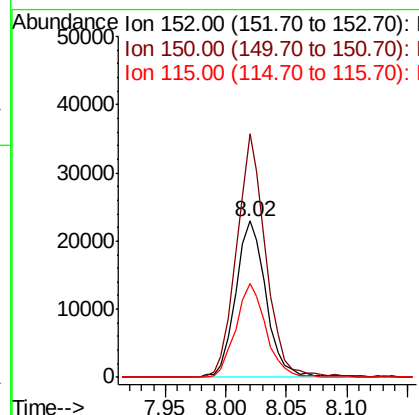
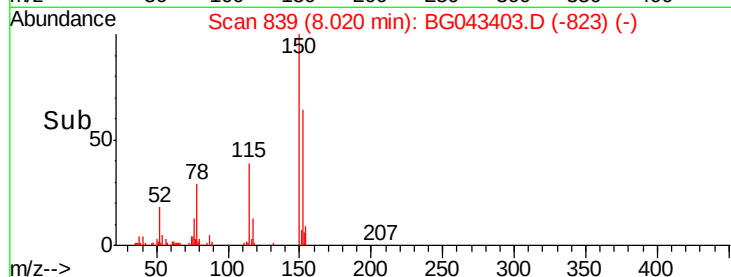


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

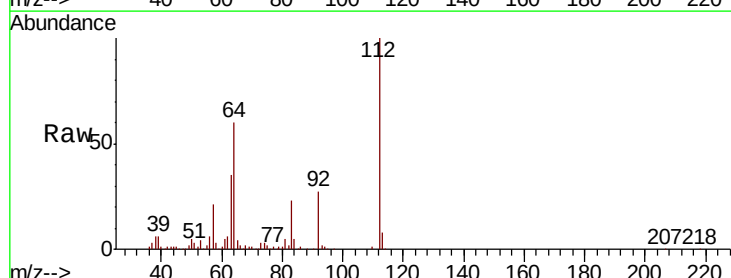
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.797 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG043403.D
Acq: 30 Oct 2019 16:41

Tgt Ion	112	Resp	259629
Ion Ratio	Lower	Upper	
112	100		
64	60.0	50.2	75.2
63	35.0	26.7	40.1

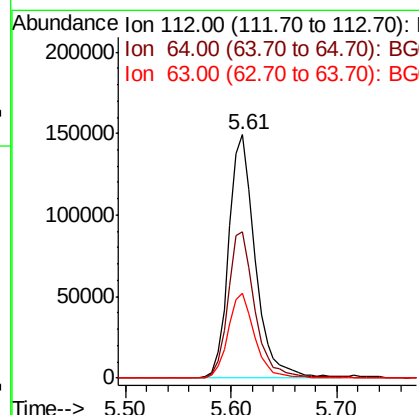
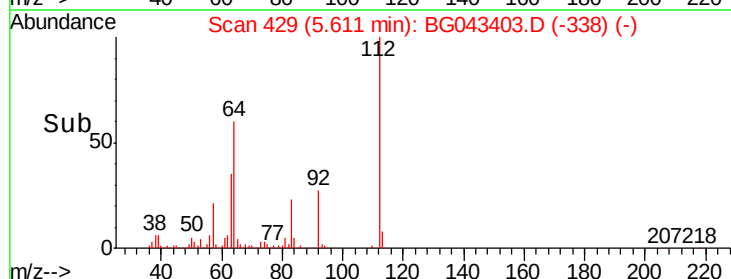


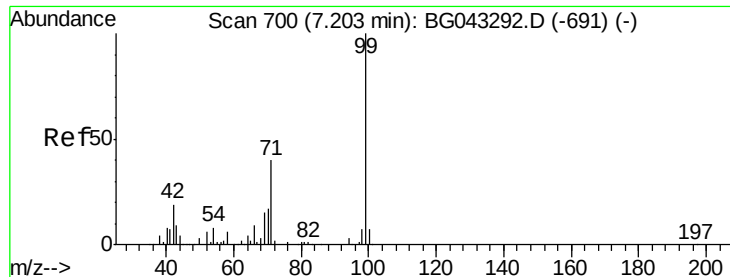
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 114.835 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.01 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

Instrument :

BNA_G

ClientSampleId :

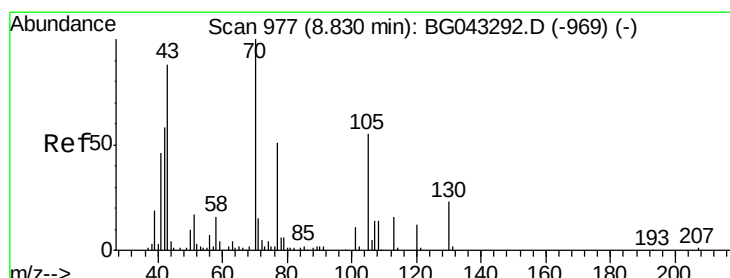
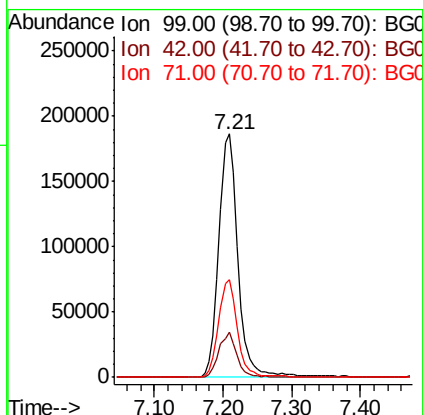
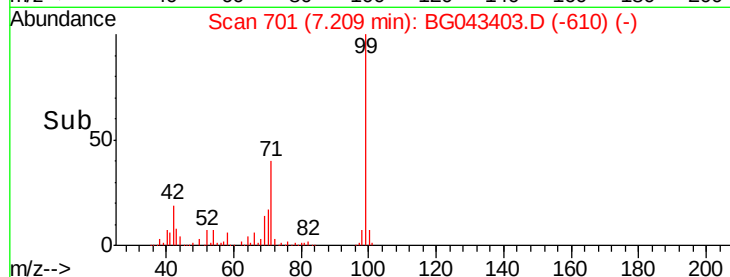
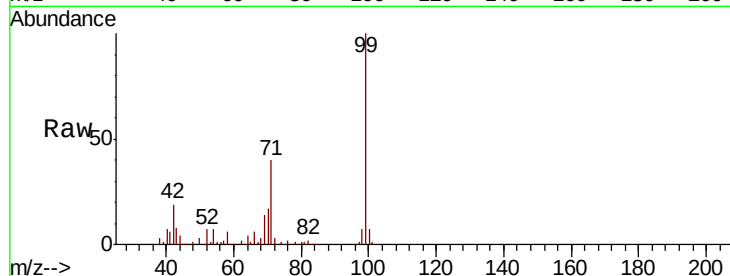
Tot Ion: 99 Resp: 361089

Ion Ratio Lower Upper

99 100

42 18.6 14.9 22.3

71 40.2 32.2 48.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.806 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

Tgt Ion: 70 Resp: 28051

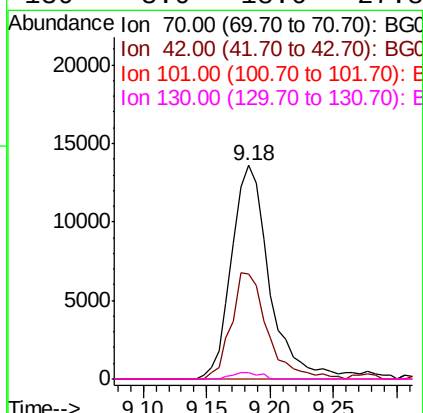
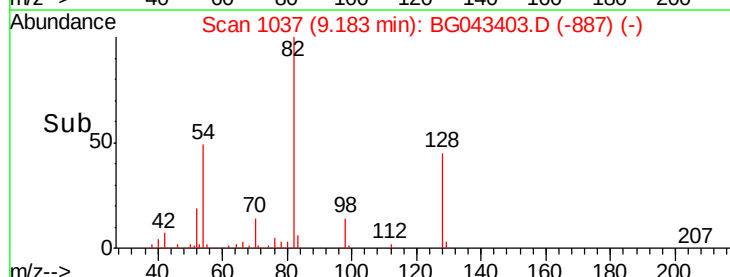
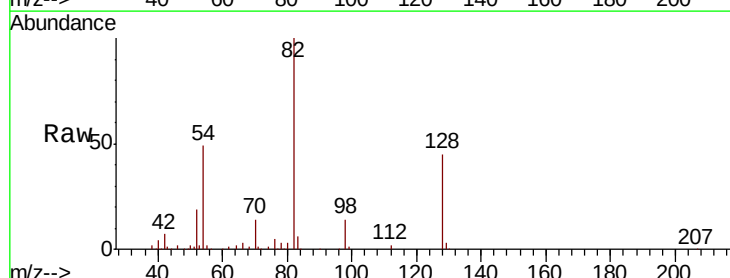
Ion Ratio Lower Upper

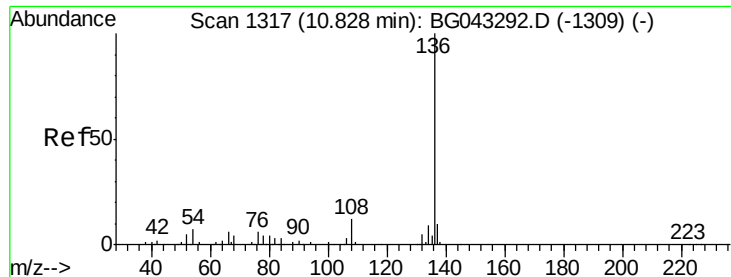
70 100

42 49.1 46.2 69.2

101 0.0 8.6 13.0#

130 3.0 18.6 27.8#

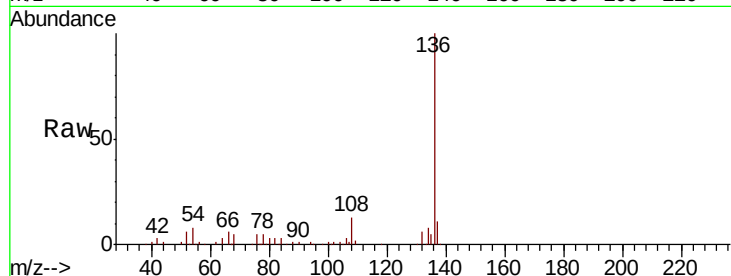




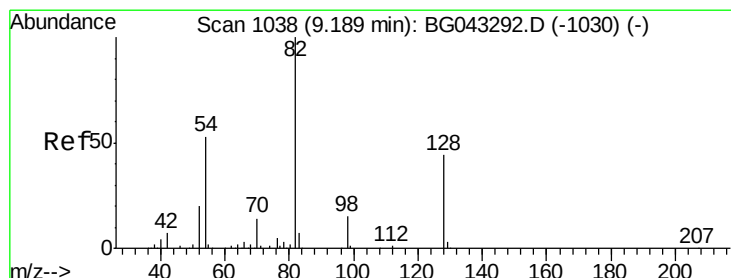
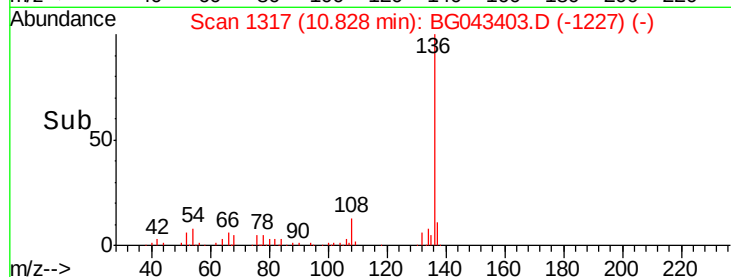
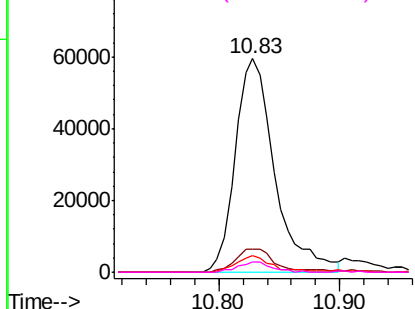
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043403.D
Acq: 30 Oct 2019 16:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	135831
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.2 12.2
54	7.5	5.4 8.2
68	4.5	3.3 4.9

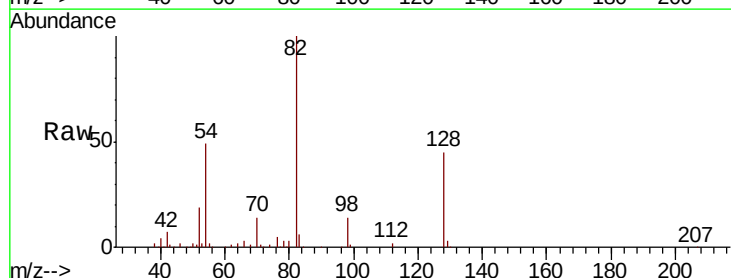


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

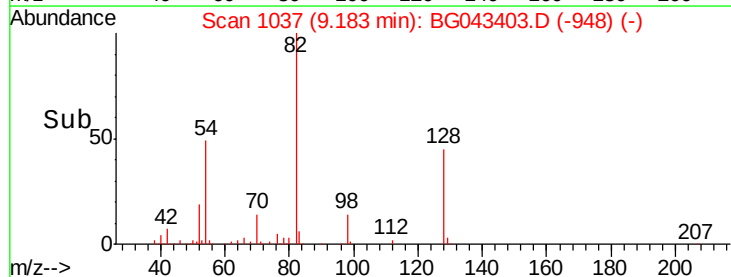
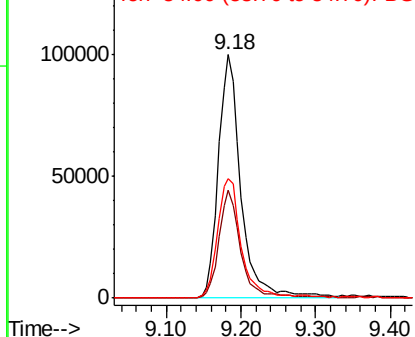


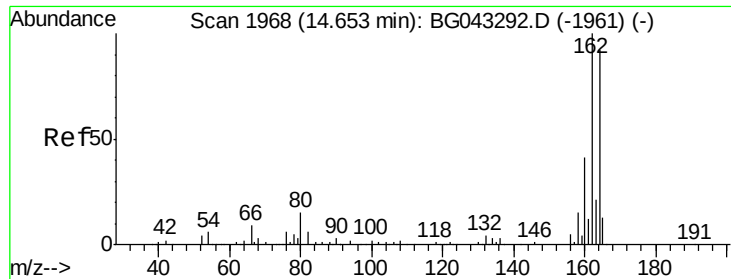
#23
Nitrobenzene-d5
Concen: 79.843 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BG043403.D
Acq: 30 Oct 2019 16:41

Tgt Ion: 82	Resp:	210362
Ion	Ratio	Lower Upper
82	100	
128	44.5	35.3 52.9
54	49.1	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

Instrument :

BNA_G

ClientSampleId :

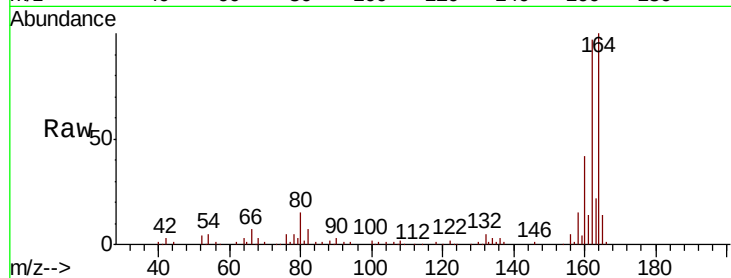
Tot Ion:164 Resp: 109920

Ion Ratio Lower Upper

164 100

162 96.9 87.0 130.4

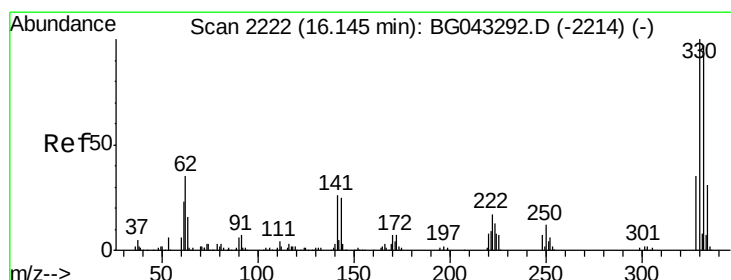
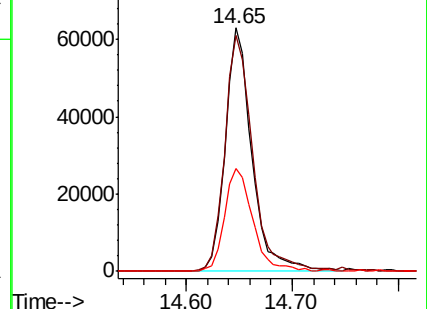
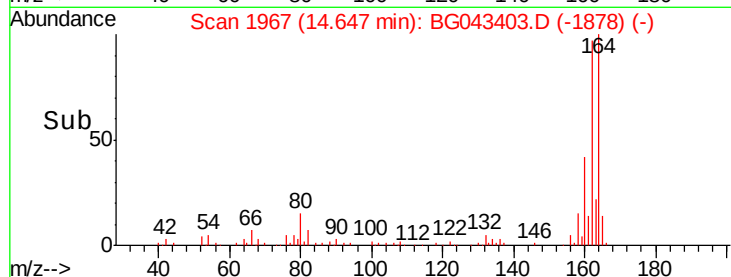
160 42.3 35.5 53.3



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: 111.197 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.01 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

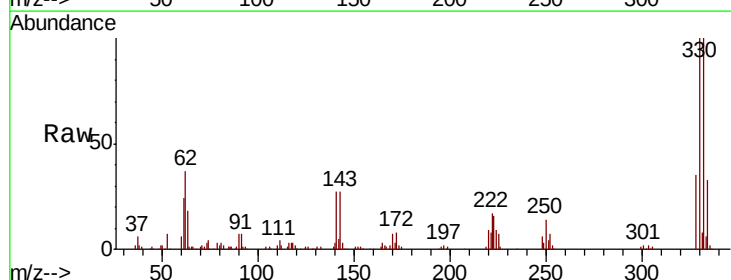
Tgt Ion:330 Resp: 232599

Ion Ratio Lower Upper

330 100

332 99.1 76.4 114.6

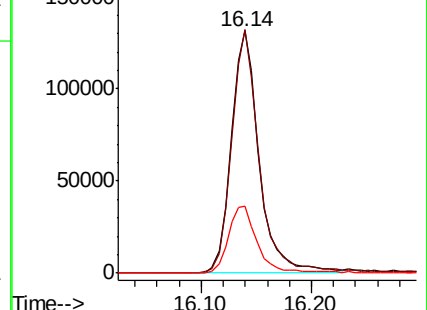
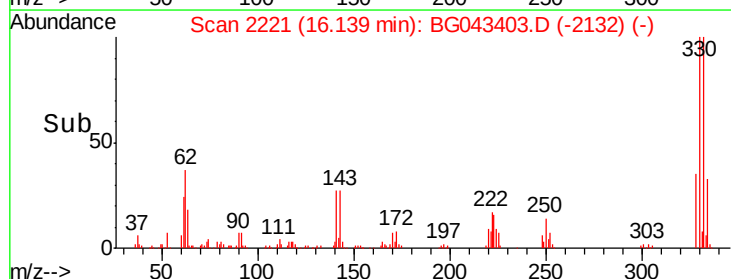
141 28.5 21.4 32.0

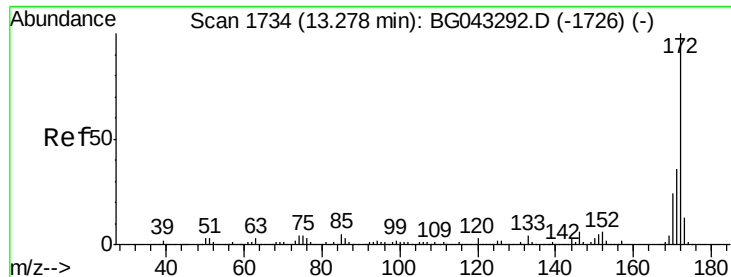


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

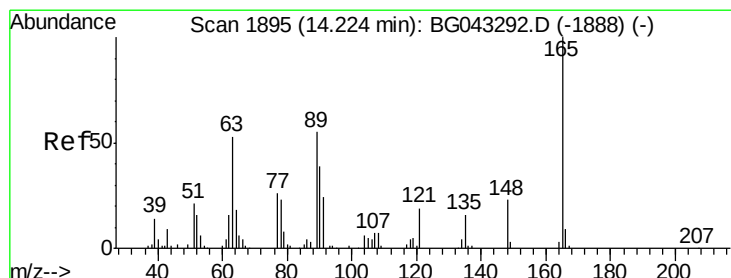
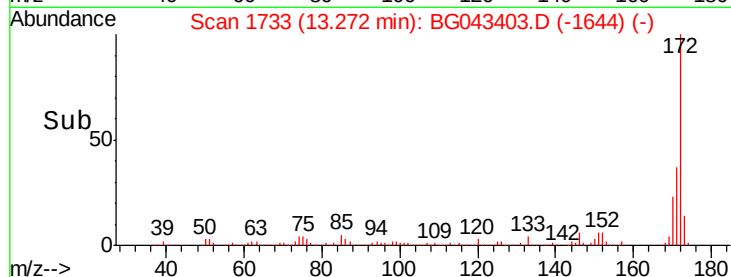
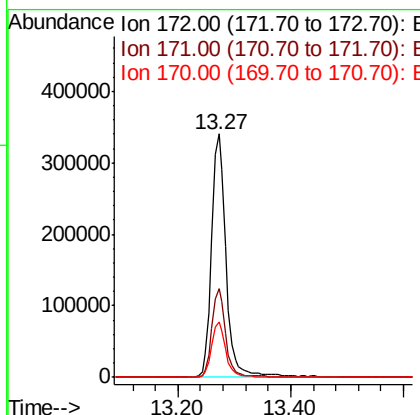
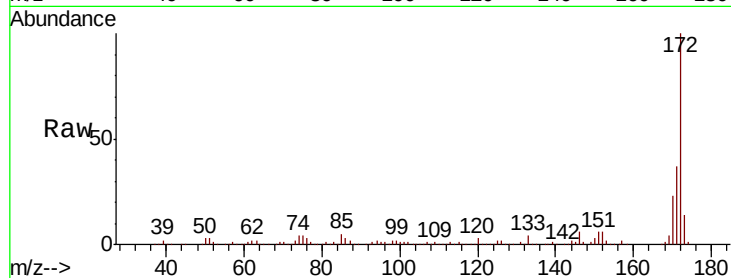




#45
 2-Fluorobiphenyl
 Concen: 76.611 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

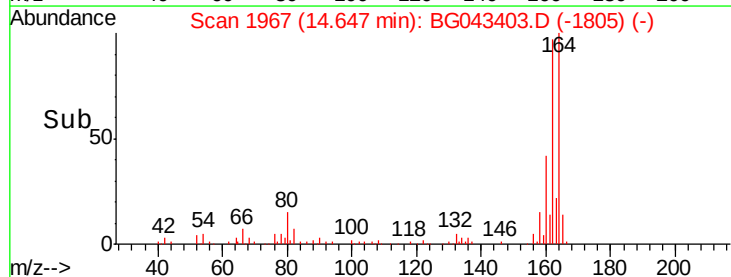
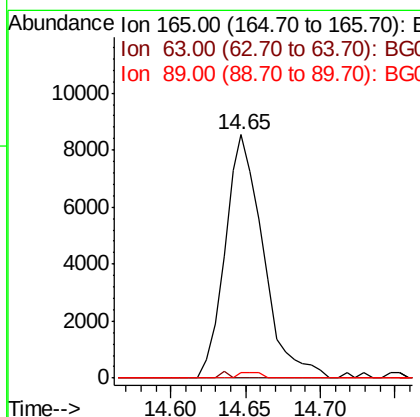
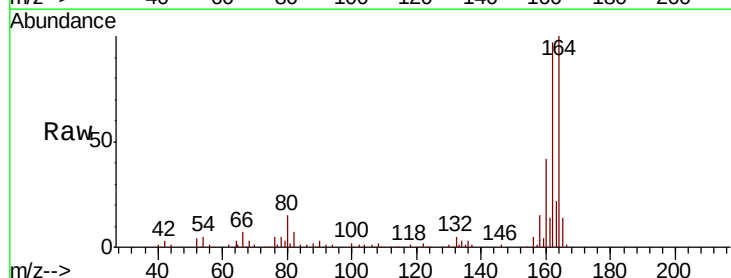
Instrument :
 BNA_G
 ClientSampled :

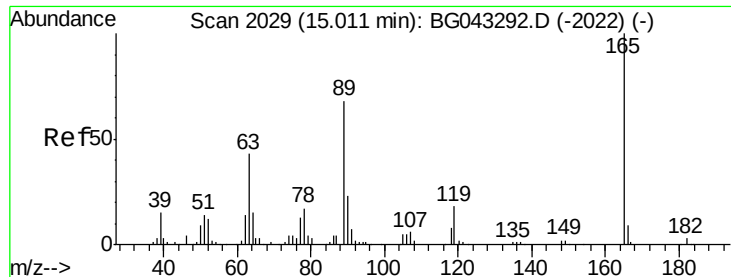
Tot Ion:172 Resp: 609424
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.5 42.7
 170 22.6 18.8 28.2



#51
 2,6-Dinitrotoluene
 Concen: 8.219 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.42 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

Tgt Ion:165 Resp: 15202
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.1 70.7#
 89 2.4 43.7 65.5#

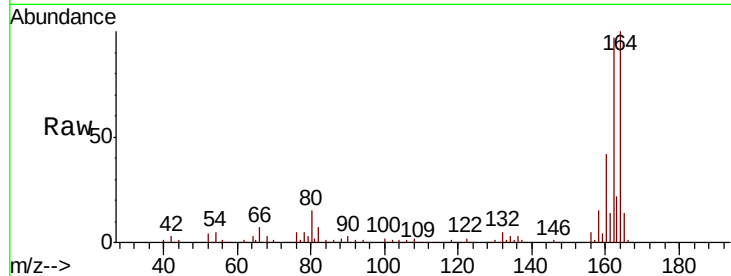




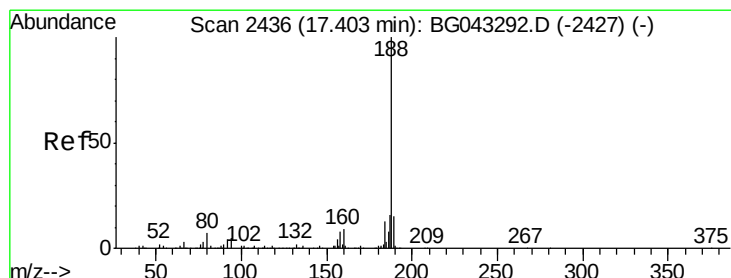
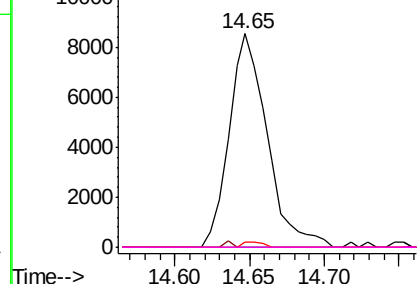
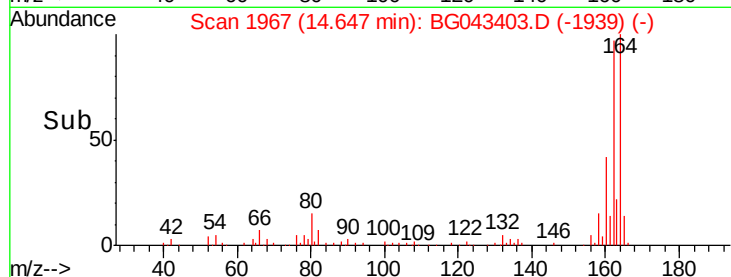
#57
 2,4-Dinitrotoluene
 Concen: 5.751 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp: 15202
Ion Ratio	Lower Upper
165 100	
63 0.0	35.0 52.6#
89 2.4	54.1 81.1#
182 0.0	2.2 3.2#

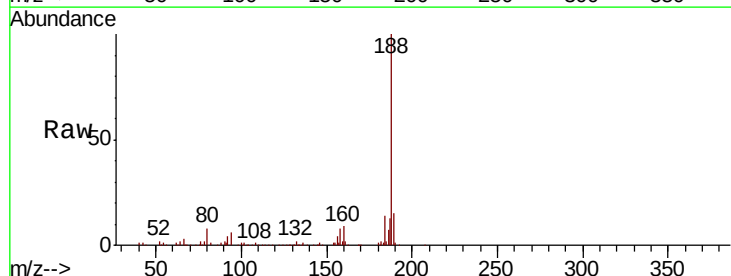


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

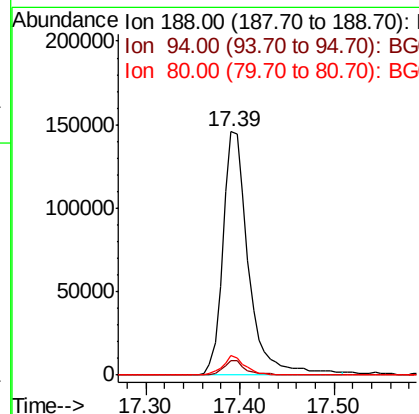
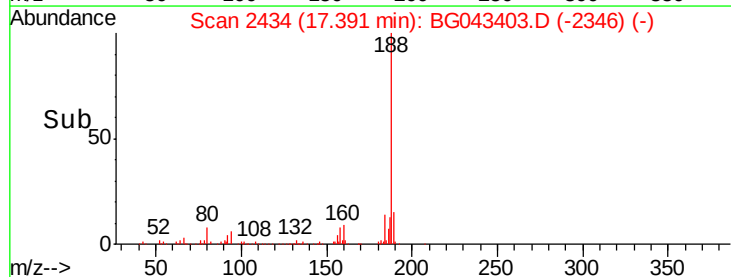


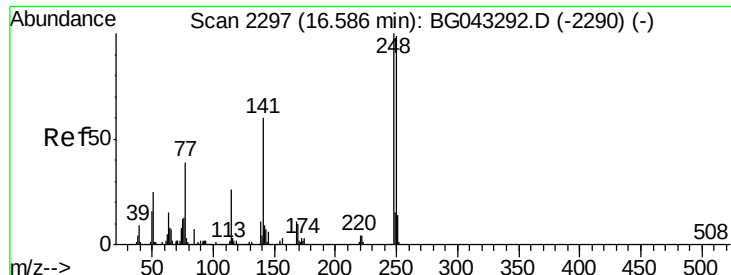
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

Tgt	Ion:188	Resp:	277641
Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.2	6.2
80	8.0	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

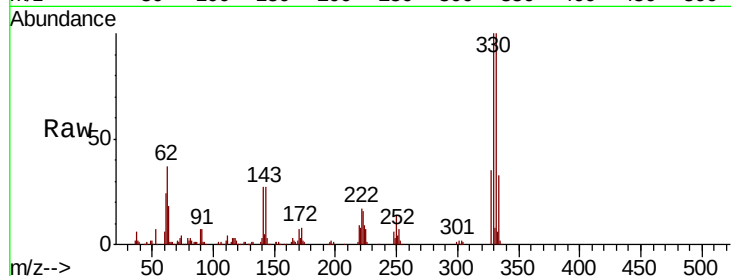




#67
 4-Bromophenyl-phenylether
 Concen: 4.058 ng
 RT: 16.14 min Scan# 2221
 Delta R.T. -0.45 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	213.9	79.3	118.9#
141	423.5	47.9	71.9#

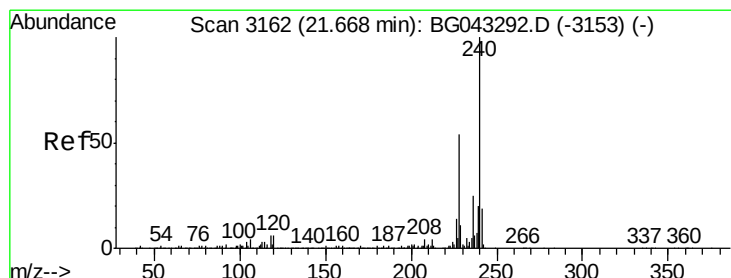
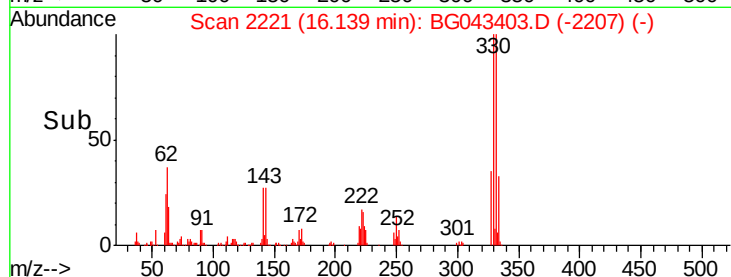
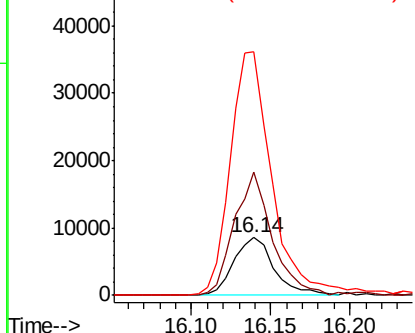


Abundance

Ion 248.00 (247.70 to 248.70): E

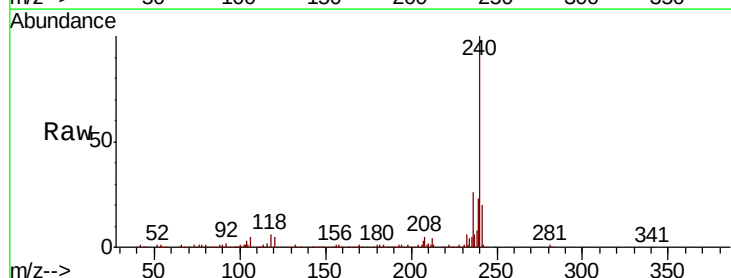
Ion 250.00 (249.70 to 250.70): E

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: BG043403.D
 Acq: 30 Oct 2019 16:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.6	7.0
236	25.6	20.2	30.4

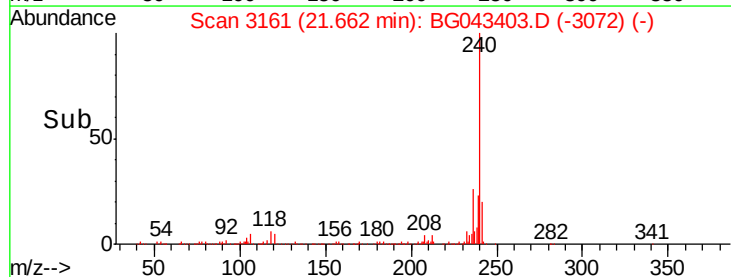
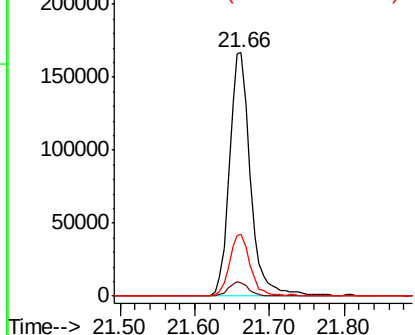


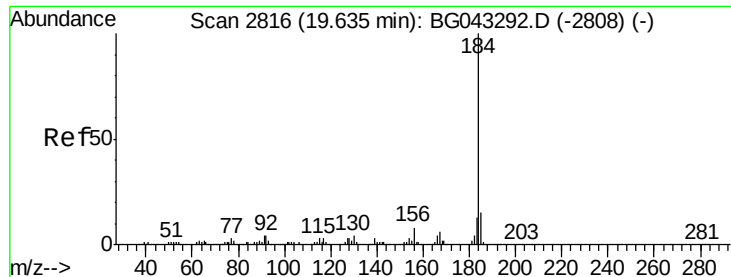
Abundance

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: 2.979 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.36 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

Instrument :

BNA_G

ClientSampleId :

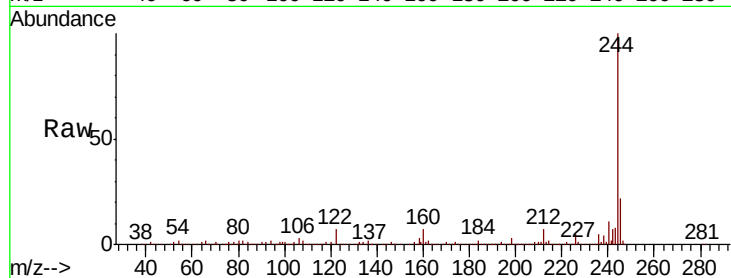
Tot Ion:184 Resp: 19649

Ion Ratio Lower Upper

184 100

185 16.0 11.8 17.6

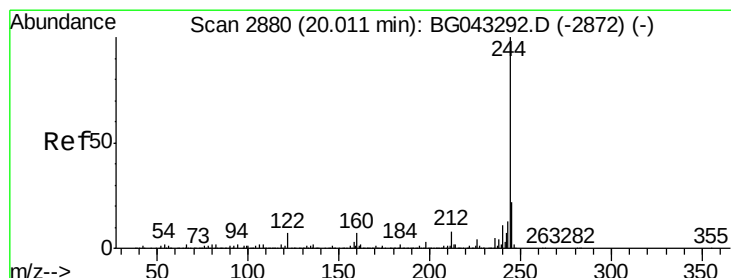
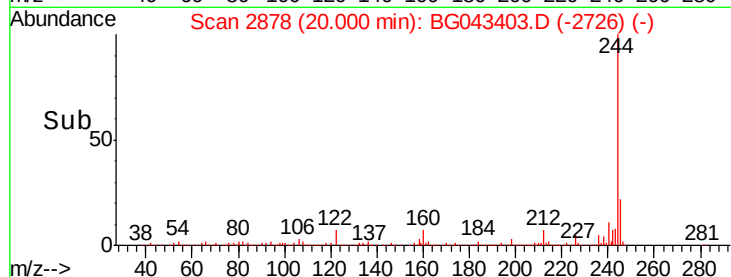
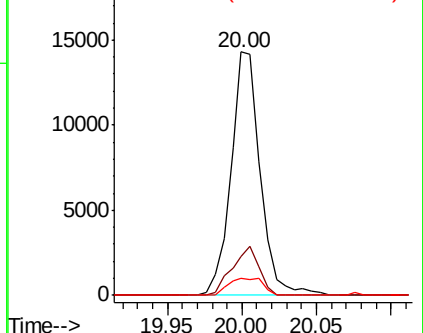
183 6.8 10.6 16.0#



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: 80.066 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043403.D

Acq: 30 Oct 2019 16:41

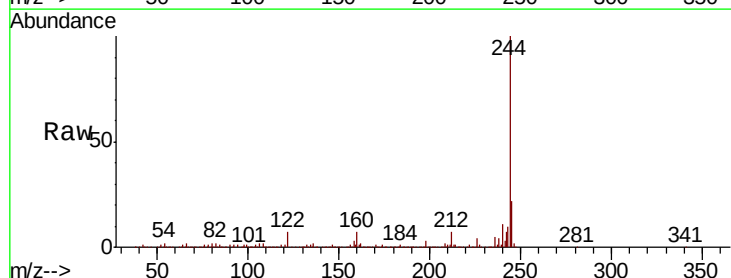
Tgt Ion:244 Resp: 1398796

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

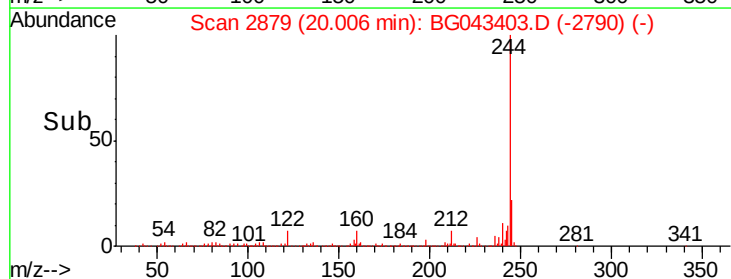
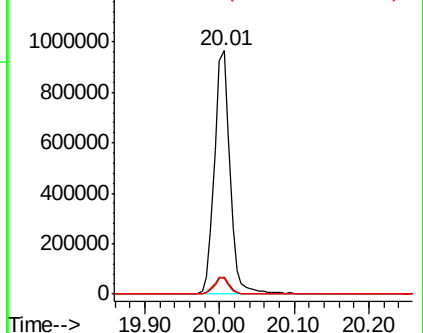
122 6.6 5.3 7.9

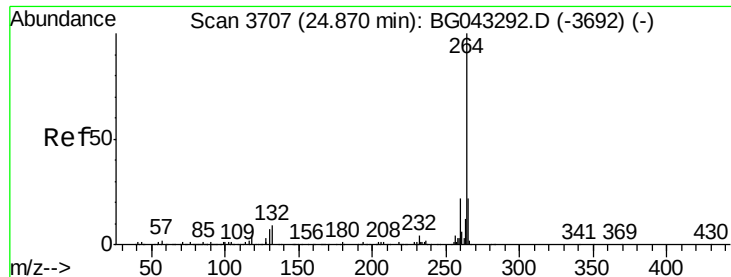


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.85 min Scan# 3704
 Delta R.T. -0.02 min
 Lab File: BG043403.D
 Acq: 30 Oct 2019 16:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	17.9	26.9
265	21.3	17.4	26.2

