

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043449.D
 Acq On : 1 Nov 2019 00:52
 Operator : JU
 Sample : K5602-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 04:03:10 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

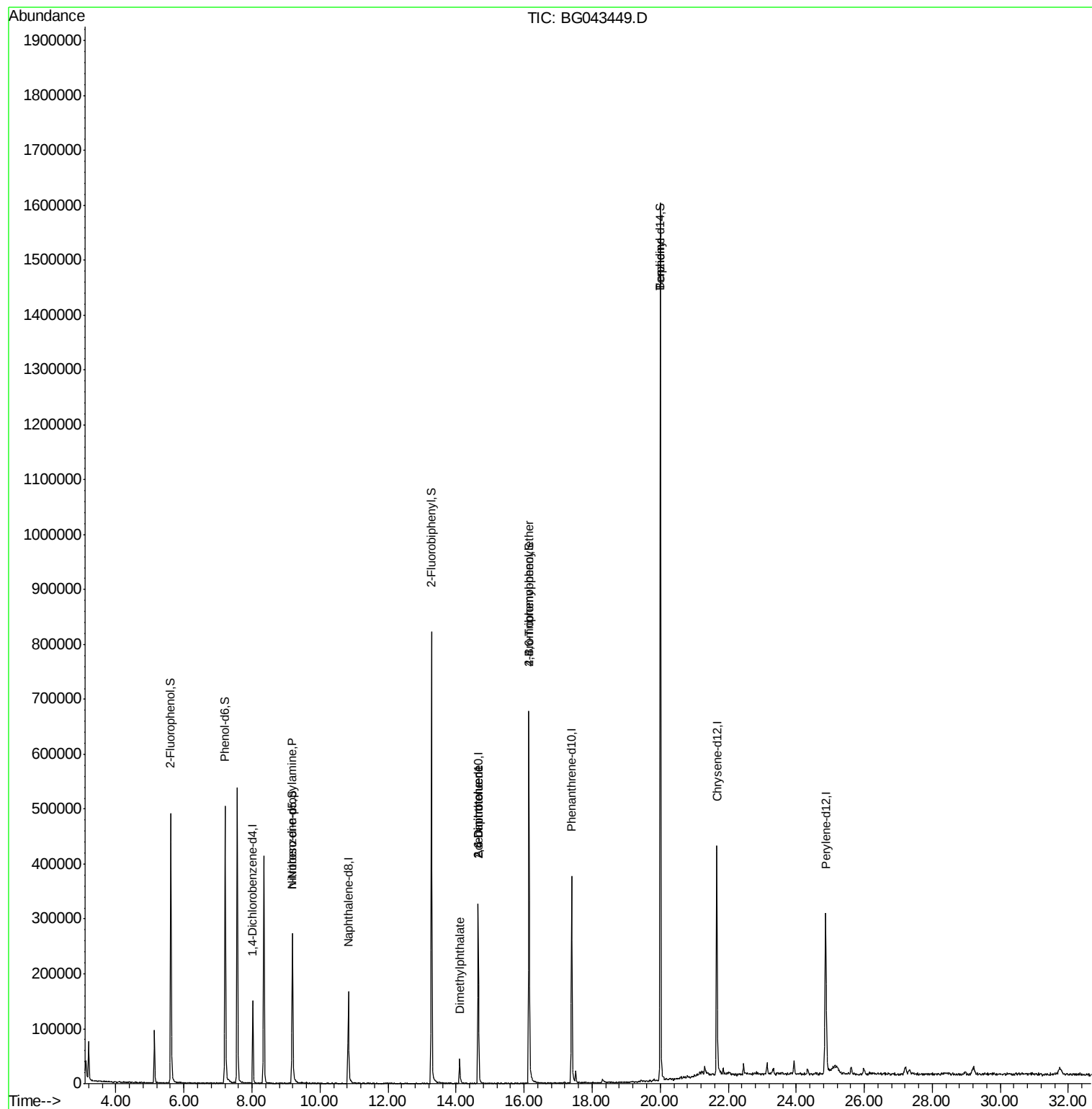
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44941	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	172870	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	122046	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	277556	20.00	ng	0.00
76) Chrysene-d12	21.67	240	297436	20.00	ng	0.00
87) Perylene-d12	24.86	264	347022	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	234745	95.72	ng	0.00
7) Phenol-d6	7.21	99	329301	93.32	ng	0.00
23) Nitrobenzene-d5	9.19	82	195501	58.30	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	178721	76.95	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	494997	56.04	ng	0.00
79) Terphenyl-d14	20.00	244	932982	58.85	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	26838	11.771	ng	# 71
50) Dimethylphthalate	14.10	163	42043	4.447	ng	# 99
51) 2,6-Dinitrotoluene	14.65	165	16663	8.114	ng	# 25
57) 2,4-Dinitrotoluene	14.65	165	16663	5.677	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	11870	3.178	ng	# 1
77) Benzidine	20.00	184	13214	2.207	ng	# 83

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

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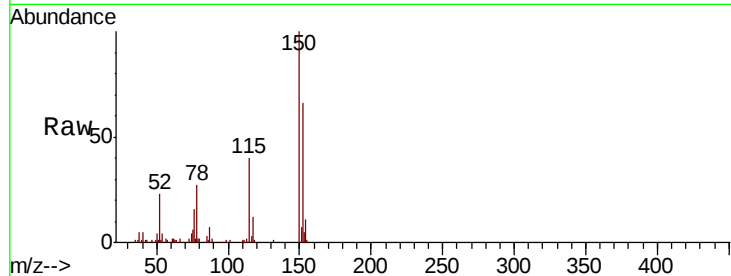


#1

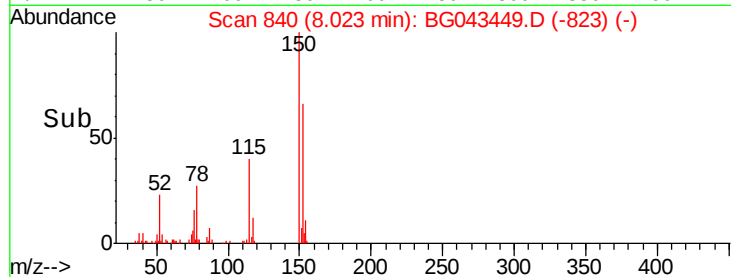
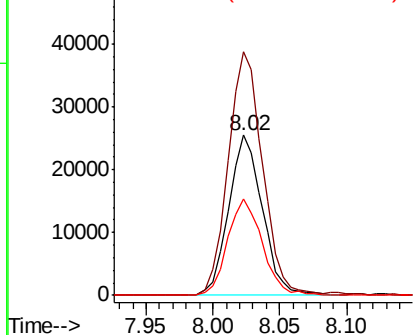
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043449.D
Acq: 1 Nov 2019 00:52

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44941
Ion Ratio Lower Upper
152 100
150 152.4 113.6 170.4
115 60.4 45.9 68.9



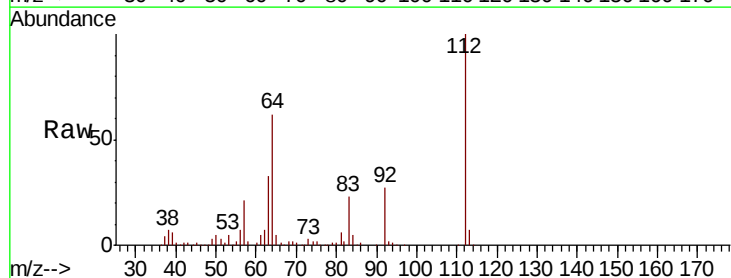
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



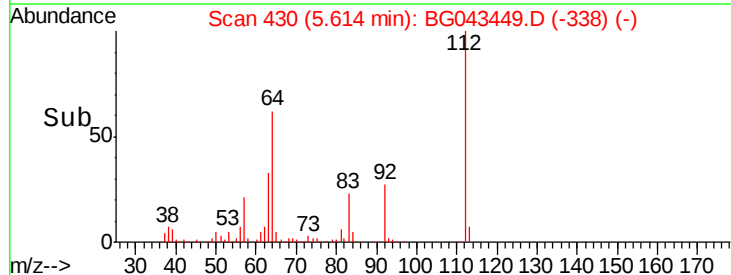
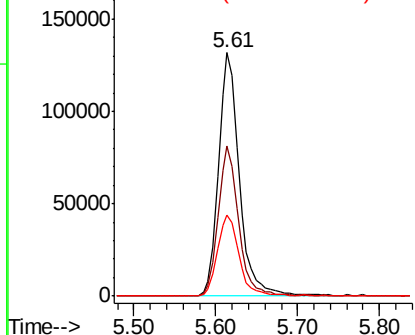
#5

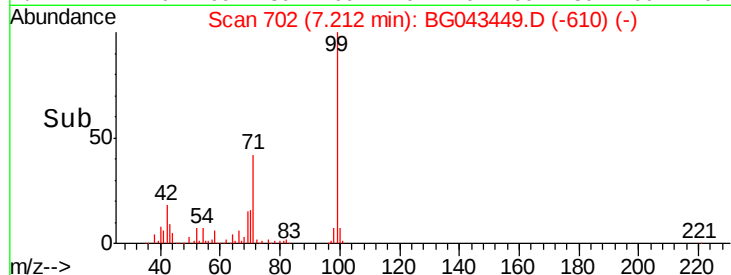
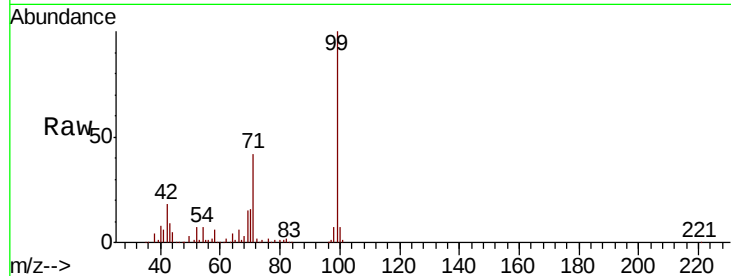
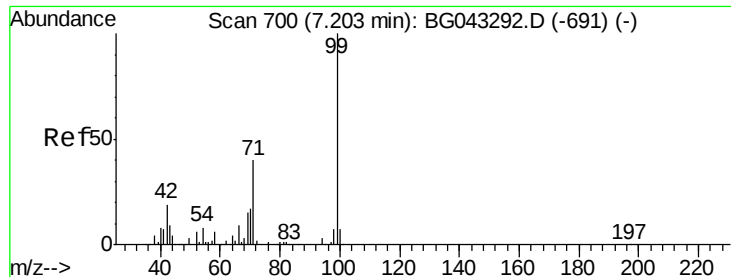
2-Fluorophenol
Concen: 95.716 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043449.D
Acq: 1 Nov 2019 00:52

Tgt Ion:112 Resp: 234745
Ion Ratio Lower Upper
112 100
64 61.9 50.2 75.2
63 33.5 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: 93.324 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Instrument :

BNA_G

ClientSampleId :

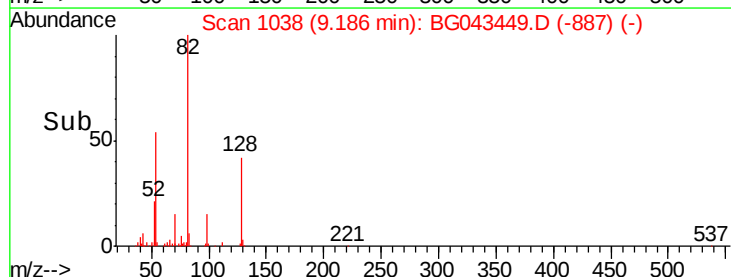
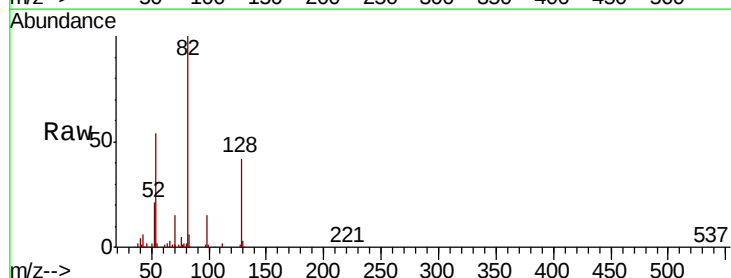
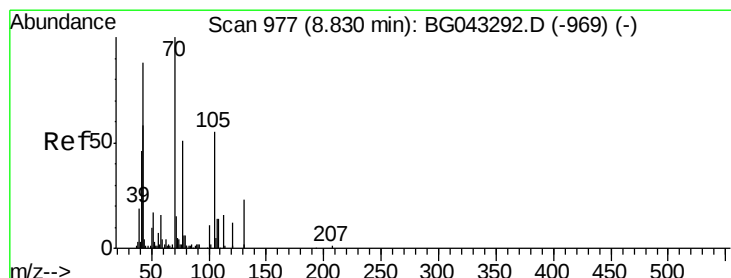
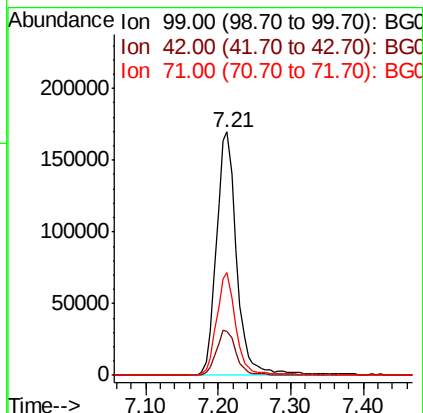
Tot Ion: 99 Resp: 329301

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

71 42.2 32.2 48.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.771 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.36 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Tgt Ion: 70 Resp: 26838

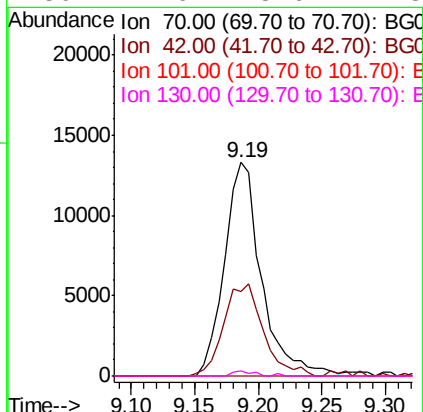
Ion Ratio Lower Upper

70 100

42 39.8 46.2 69.2#

101 0.0 8.6 13.0#

130 2.6 18.6 27.8#

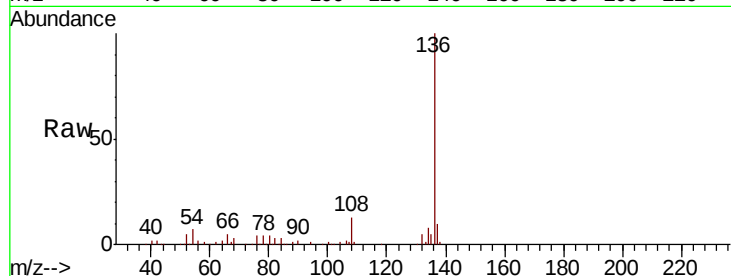




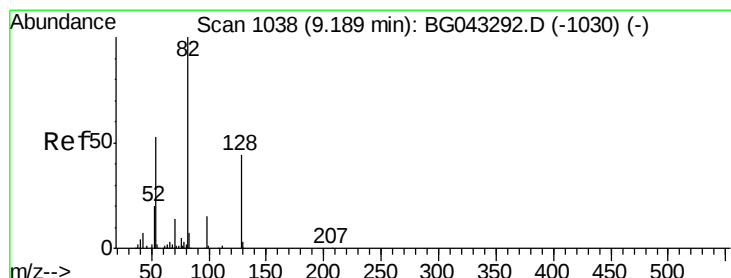
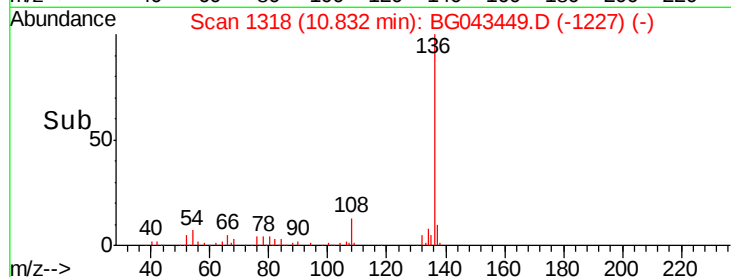
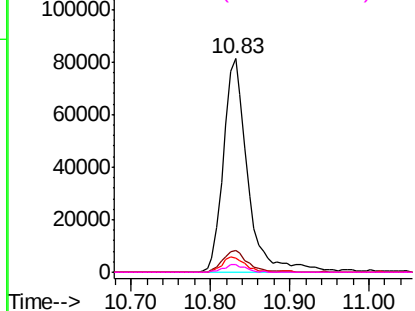
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043449.D
Acq: 1 Nov 2019 00:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	172870	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	8.2	12.2	
54 6.9	5.4	8.2	
68 3.4	3.3	4.9	

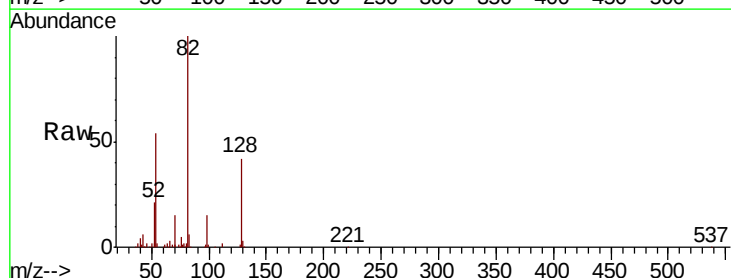


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

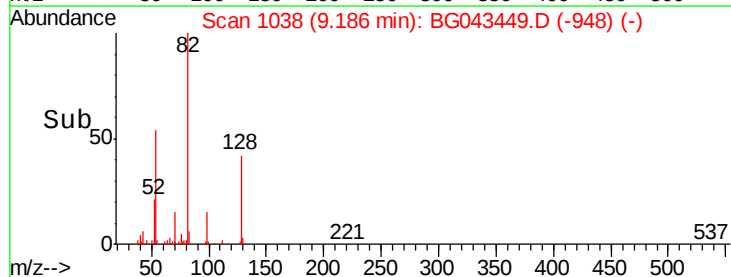
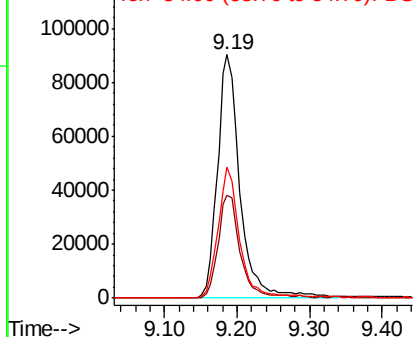


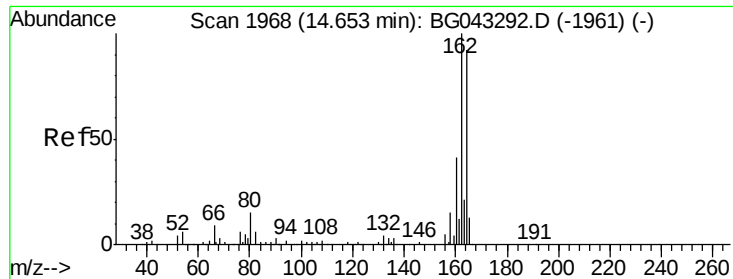
#23
Nitrobenzene-d5
Concen: 58.304 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043449.D
Acq: 1 Nov 2019 00:52

Tgt Ion: 82	Resp: 195501
Ion Ratio	Lower Upper
82 100	
128 42.1	35.3 52.9
54 53.9	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# 1968

Delta R.T. -0.00 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Instrument :

BNA_G

ClientSampleId :

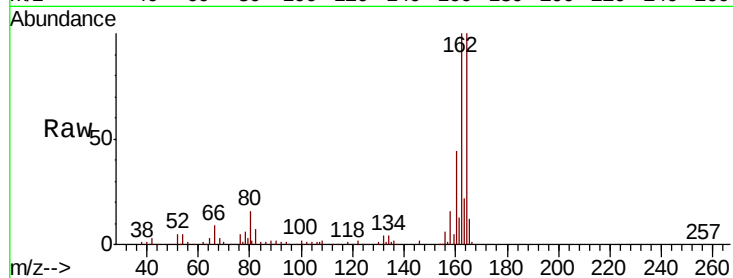
Tot Ion:164 Resp: 122046

Ion Ratio Lower Upper

164 100

162 100.1 87.0 130.4

160 43.8 35.5 53.3

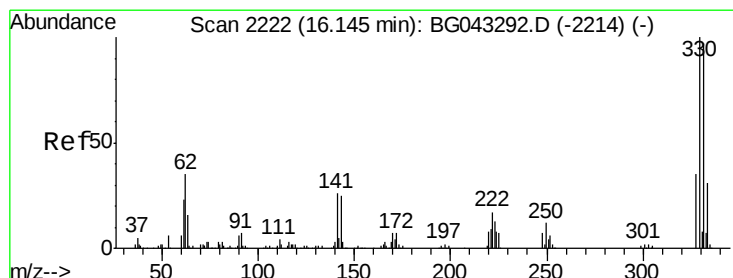
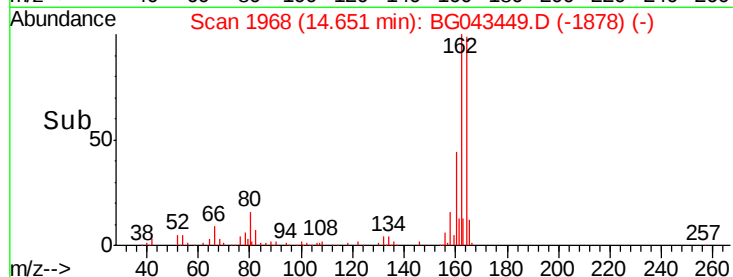
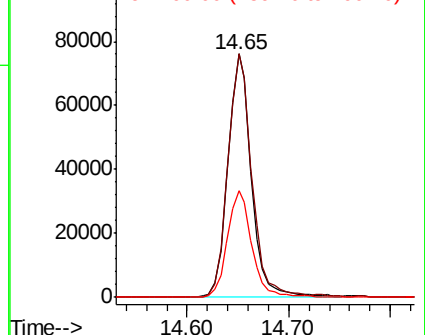


Abundance

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: 76.951 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

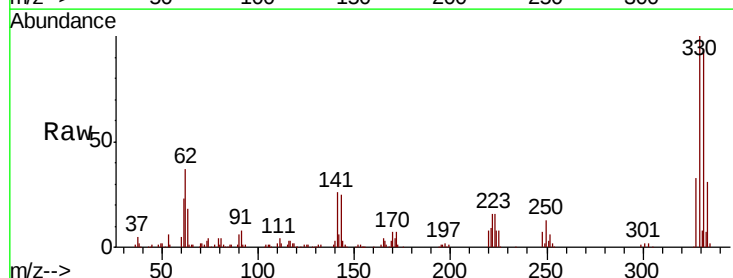
Tgt Ion:330 Resp: 178721

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

141 27.7 21.4 32.0

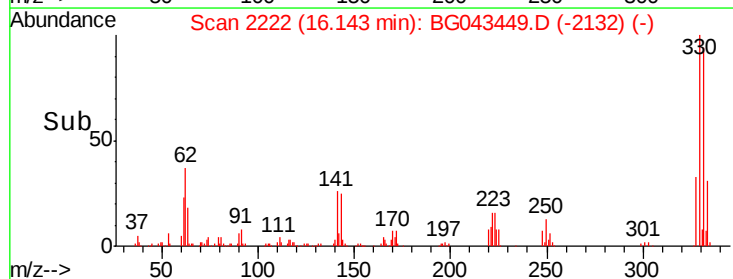
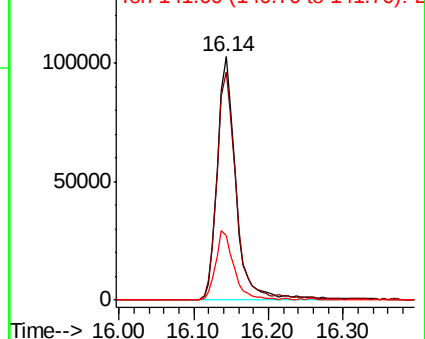


Abundance

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

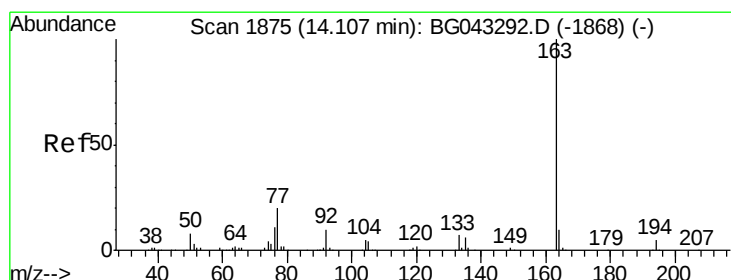
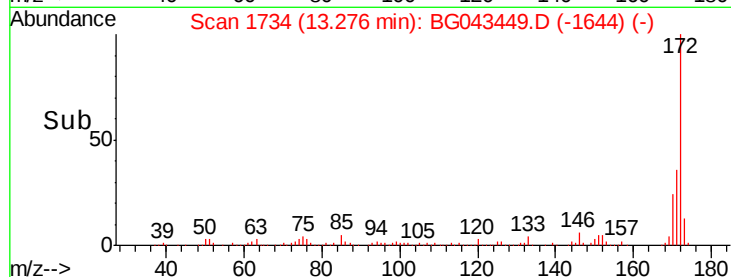
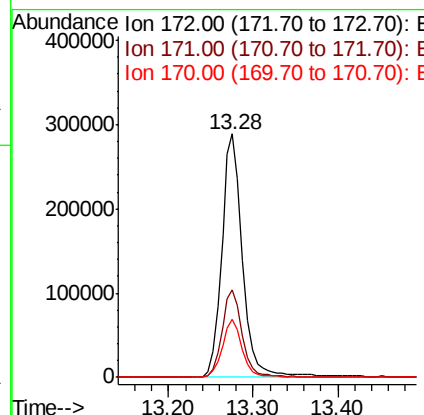
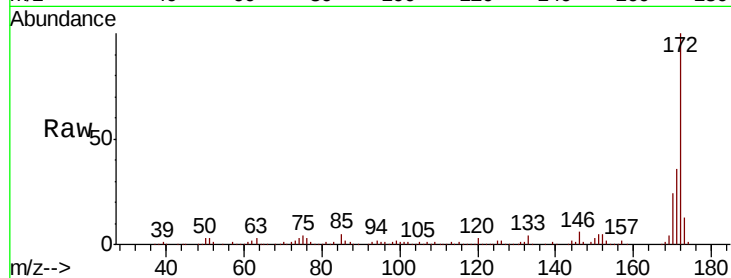




#45
 2-Fluorobiphenyl
 Concen: 56.044 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG043449.D
 Acq: 1 Nov 2019 00:52

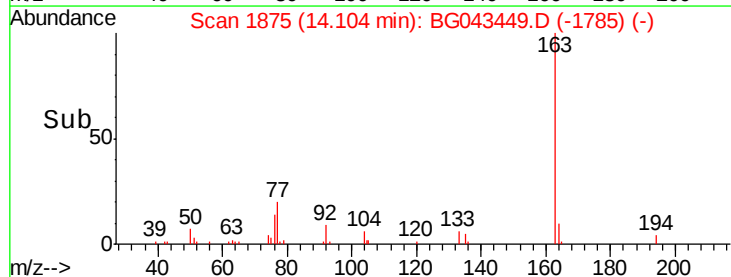
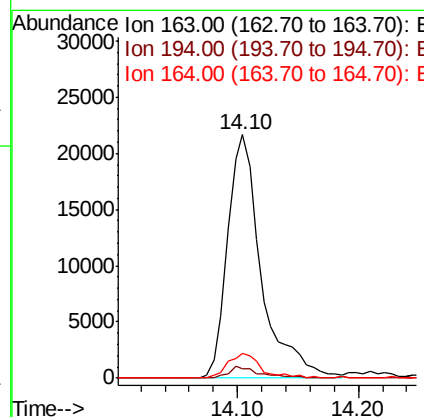
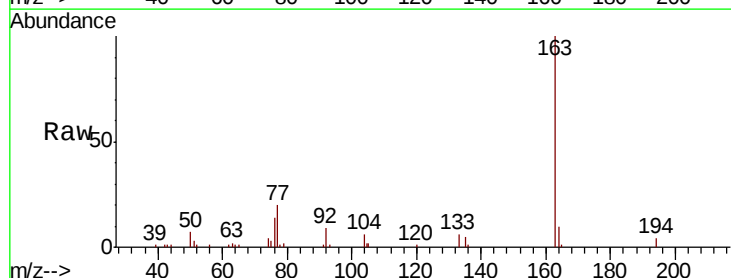
Instrument :
 BNA_G
 ClientSampleId :

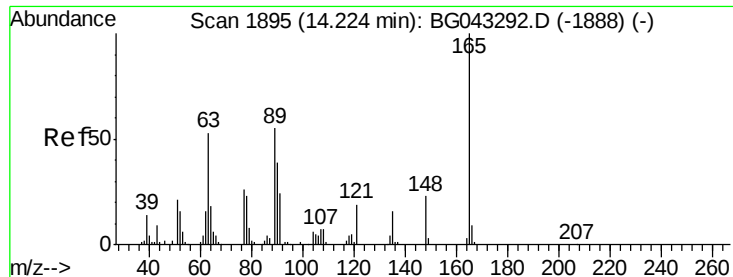
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.5	42.7
170	23.6	18.8	28.2



#50
 Dimethylphthalate
 Concen: 4.447 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.00 min
 Lab File: BG043449.D
 Acq: 1 Nov 2019 00:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.7	5.5
164	10.0	8.1	12.1

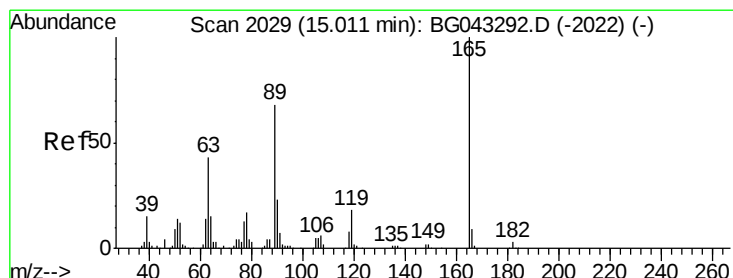
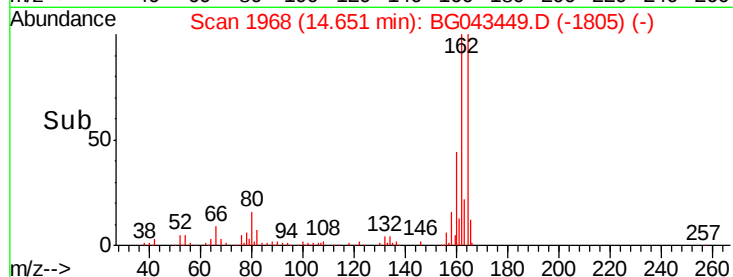
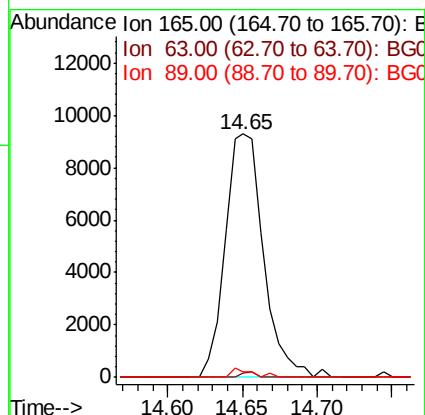
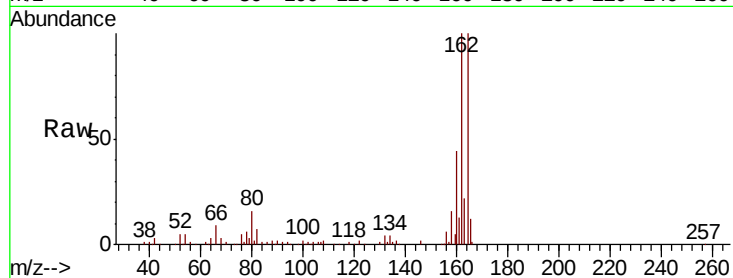




#51
 2,6-Dinitrotoluene
 Concen: 8.114 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. 0.43 min
 Lab File: BG043449.D
 Acq: 1 Nov 2019 00:52

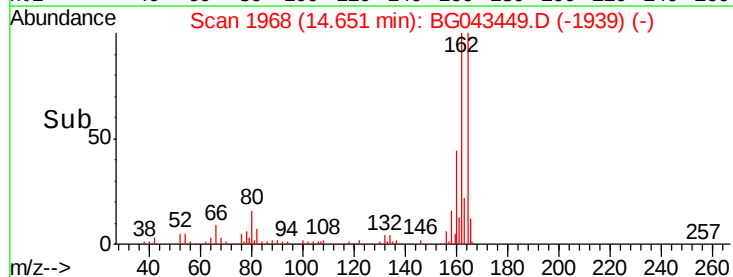
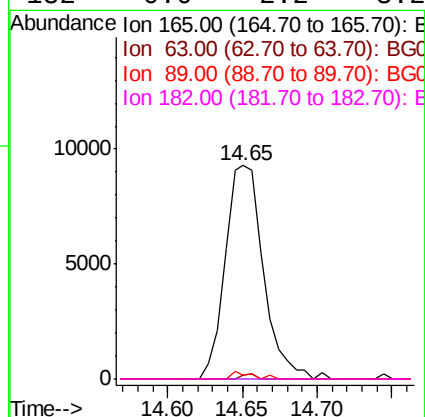
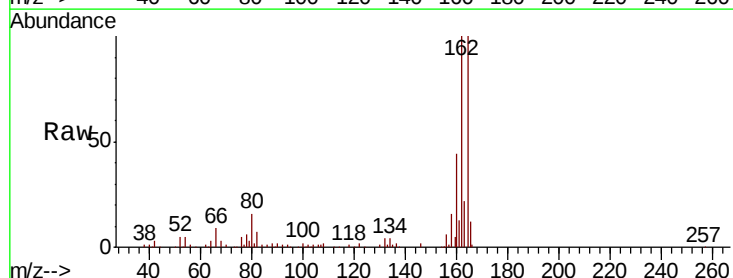
Instrument :
 BNA_G
 ClientSampleId :

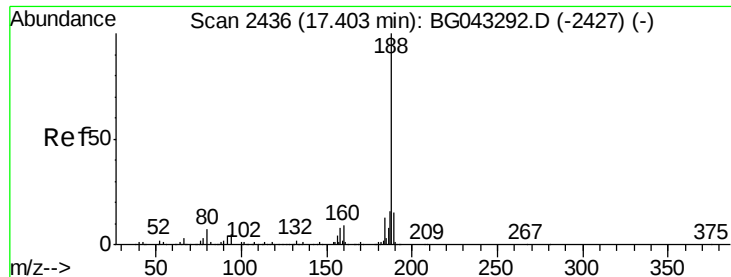
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	47.1	70.7#
89	2.1	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.677 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.36 min
 Lab File: BG043449.D
 Acq: 1 Nov 2019 00:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.0	52.6#
89	2.1	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Instrument :

BNA_G

ClientSampleId :

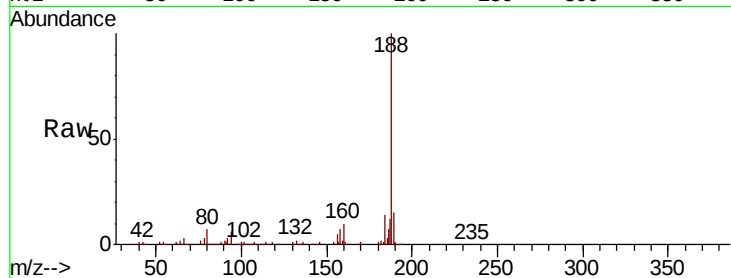
Tot Ion:188 Resp: 277556

Ion Ratio Lower Upper

188 100

94 6.0 4.2 6.2

80 6.8 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

200000

150000

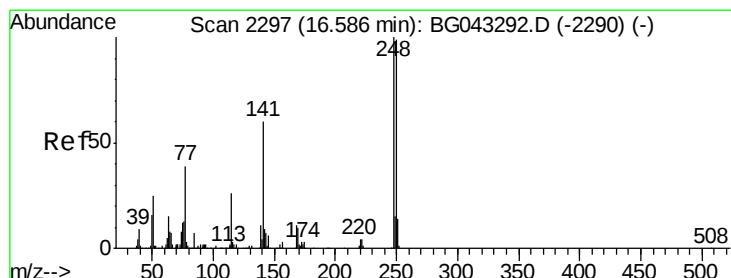
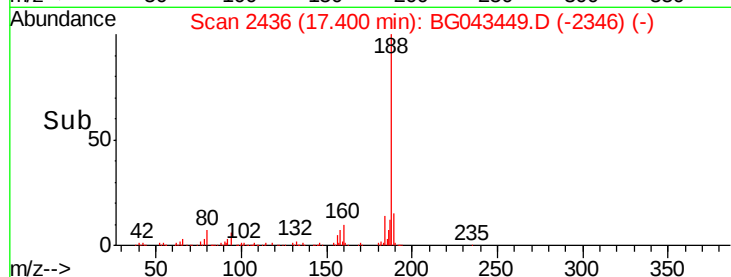
100000

50000

0

17.30 17.40 17.50

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.178 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.44 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

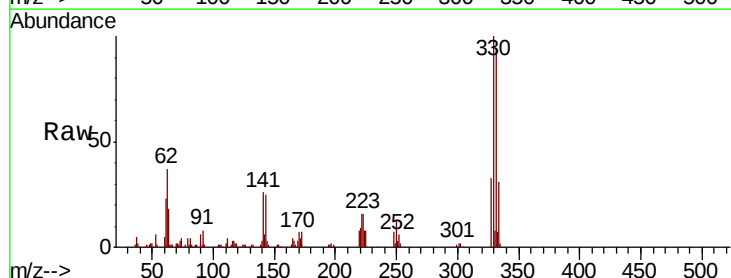
Tgt Ion:248 Resp: 11870

Ion Ratio Lower Upper

248 100

250 194.8 79.3 118.9#

141 388.3 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

40000

30000

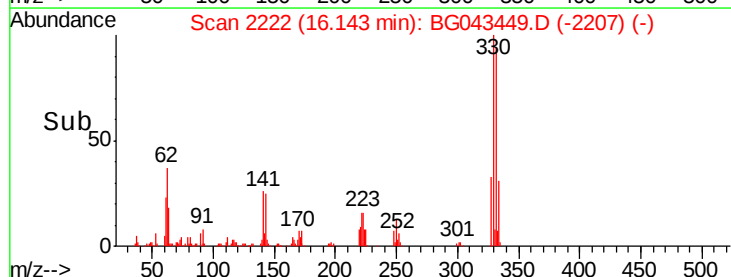
20000

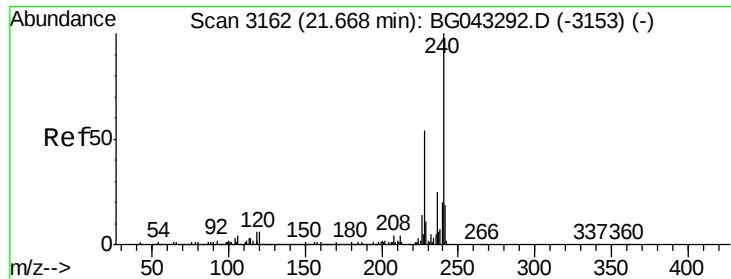
10000

0

16.10 16.15 16.20

Time-->





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Instrument :

BNA_G

ClientSampleId :

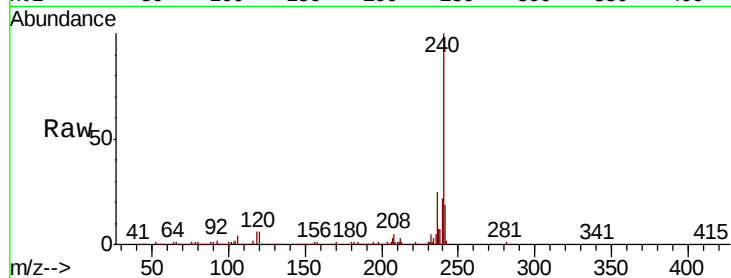
Tot Ion:240 Resp: 297436

Ion Ratio Lower Upper

240 100

120 5.8 4.6 7.0

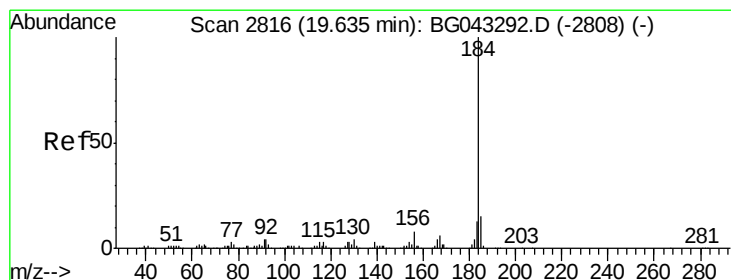
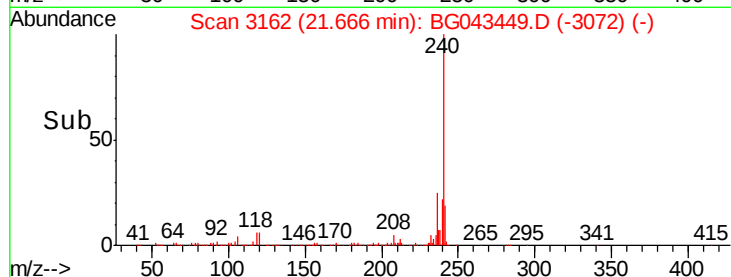
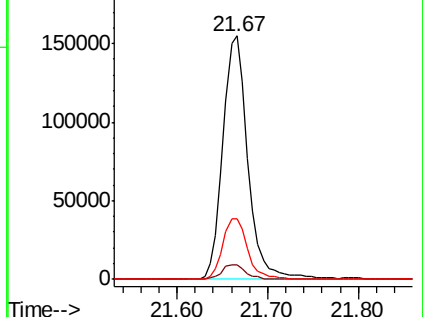
236 24.8 20.2 30.4



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: 2.207 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

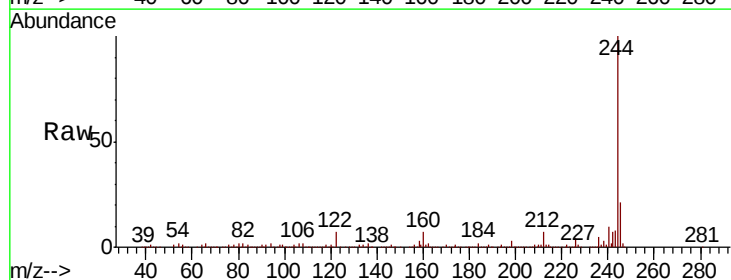
Tgt Ion:184 Resp: 13214

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.6

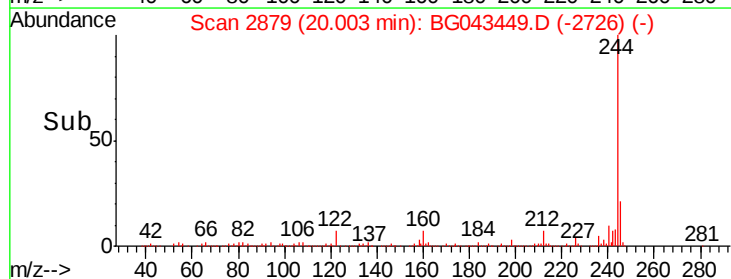
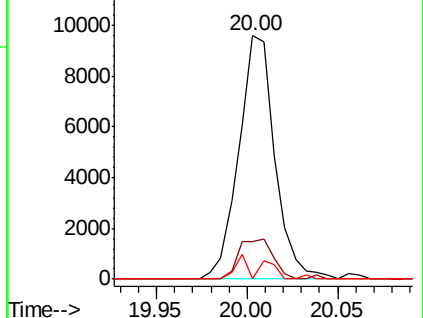
183 0.0 10.6 16.0#

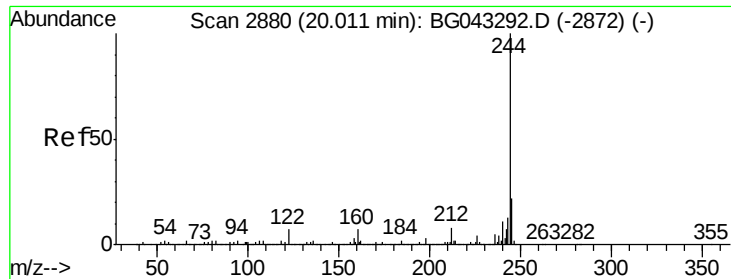


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 58.847 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

Instrument :

BNA_G

ClientSampleId :

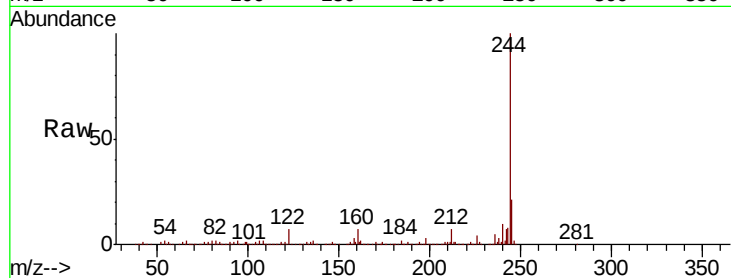
Tot Ion:244 Resp: 932982

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

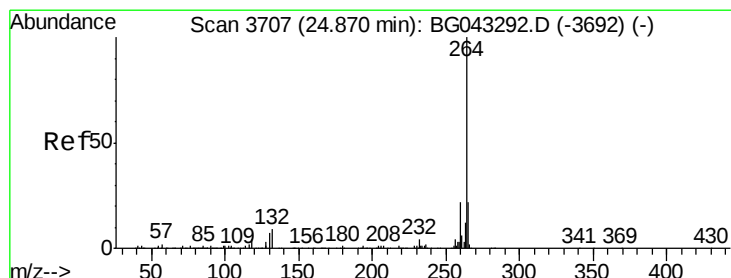
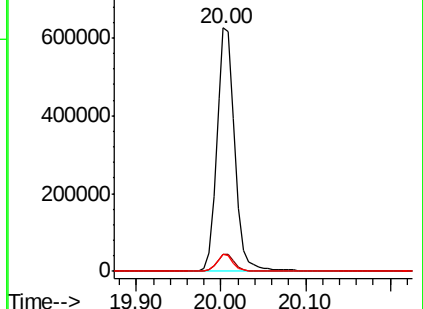
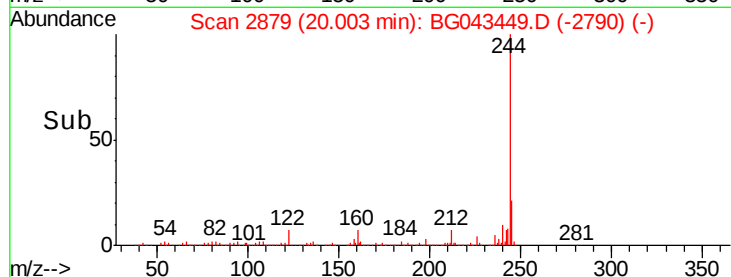
122 6.8 5.3 7.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043449.D

Acq: 1 Nov 2019 00:52

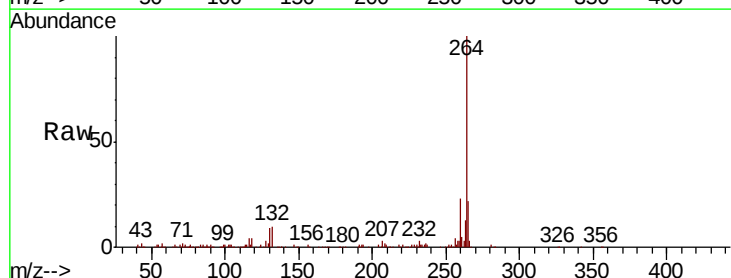
Tgt Ion:264 Resp: 347022

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 22.4 17.4 26.2



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

