

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043427.D
 Acq On : 31 Oct 2019 9:33
 Operator : JU
 Sample : PB124377BL
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 11:23:27 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

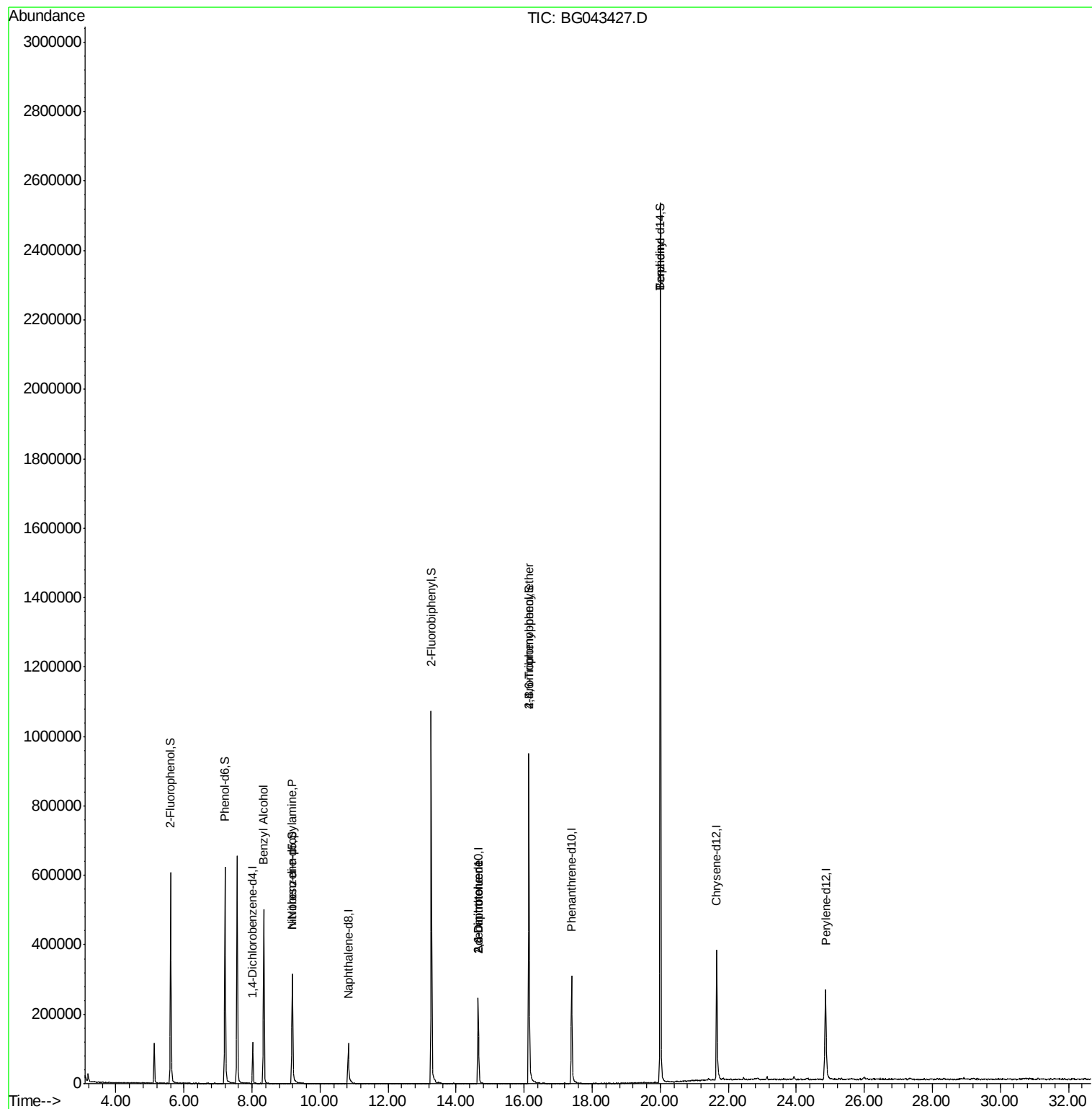
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	38222	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	127082	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	104346	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	260267	20.00	ng	0.00
76) Chrysene-d12	21.66	240	284380	20.00	ng	0.00
87) Perylene-d12	24.86	264	325708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	286202	137.21	ng	0.00
7) Phenol-d6	7.21	99	393511	131.12	ng	0.00
23) Nitrobenzene-d5	9.19	82	230436	93.48	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	255093	128.46	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	666367	88.24	ng	0.00
79) Terphenyl-d14	20.00	244	1409822	93.01	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.35	79	4893	2.322	ng	# 64
19) n-Nitroso-di-n-propylamine	9.18	70	32177	16.593	ng	# 75
51) 2,6-Dinitrotoluene	14.64	165	14753	8.402	ng	# 23
57) 2,4-Dinitrotoluene	14.64	165	14753	5.879	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	16525	4.718	ng	# 1
77) Benzidine	20.00	184	20311	3.549	ng	# 92

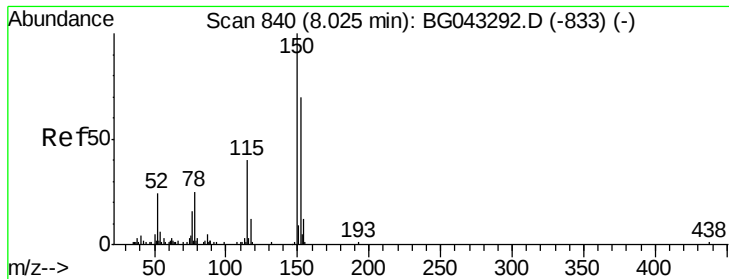
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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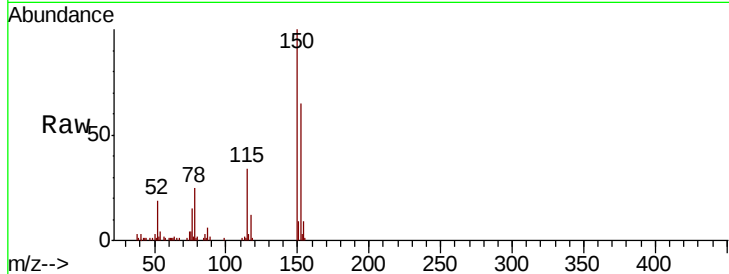


#1

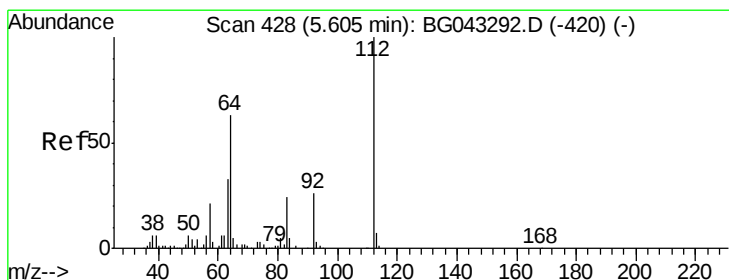
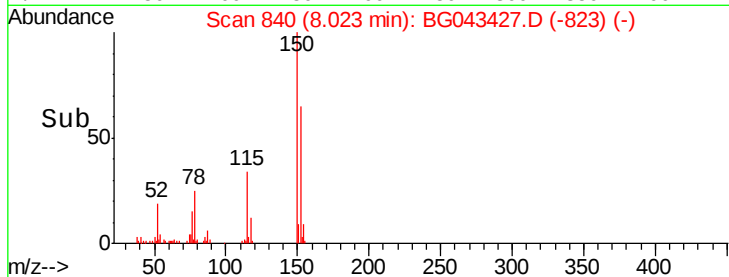
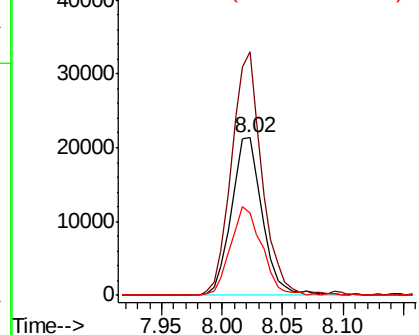
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043427.D
Acq: 31 Oct 2019 9:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	38222
Ion Ratio	Lower	Upper	
152	100		
150	154.7	113.6	170.4
115	52.1	45.9	68.9



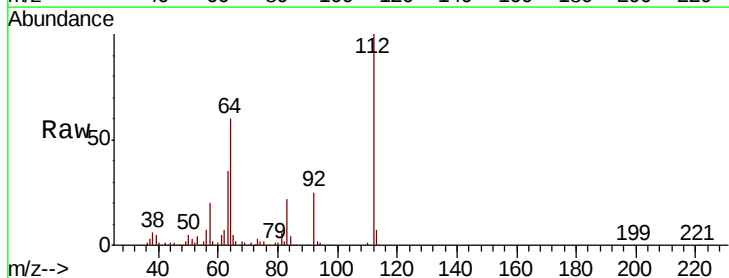
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



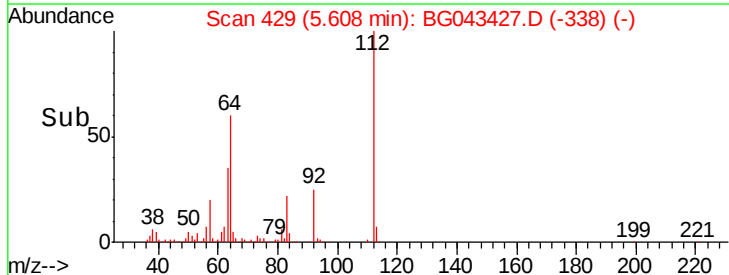
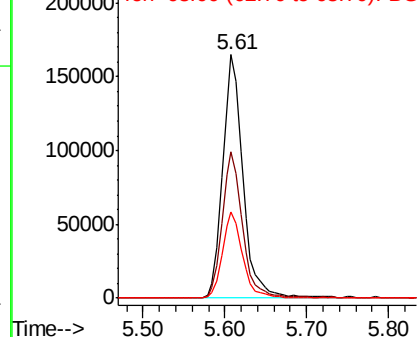
#5

2-Fluorophenol
Concen: 137.212 ng
RT: 5.61 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG043427.D
Acq: 31 Oct 2019 9:33

Tgt Ion	112	Resp	286202
Ion Ratio	Lower	Upper	
112	100		
64	59.9	50.2	75.2
63	35.3	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: 131.125 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Instrument :

BNA_G

ClientSampled :

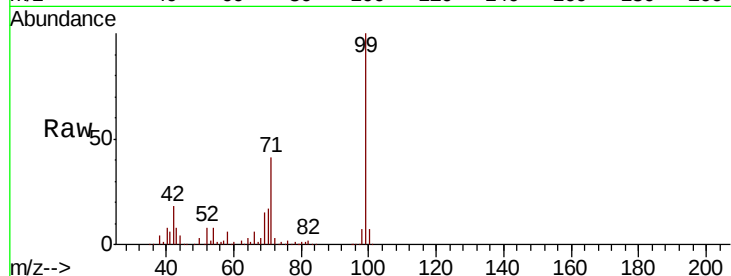
Tot Ion: 99 Resp: 393511

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

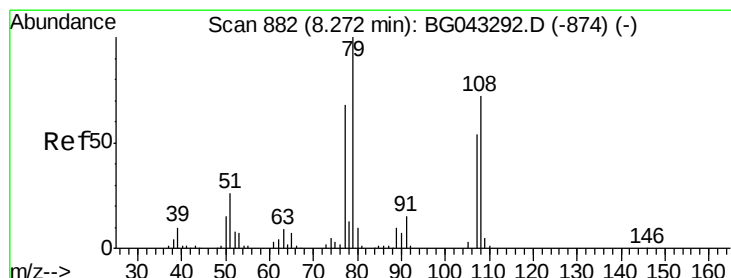
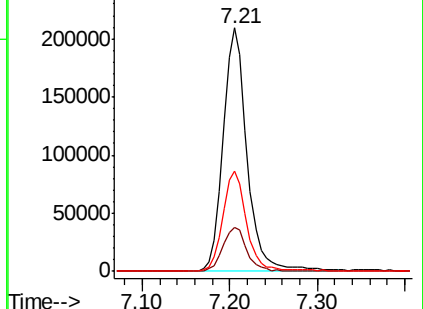
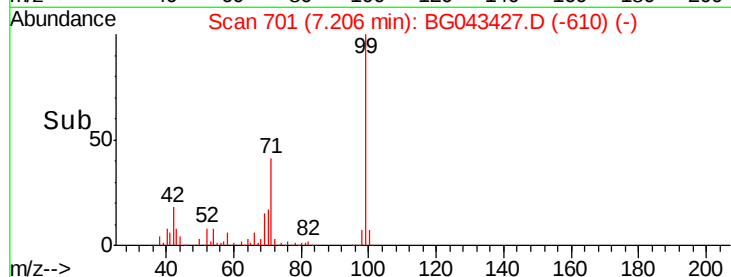
71 41.4 32.2 48.2



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



#15

Benzyl Alcohol

Concen: 2.322 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.07 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

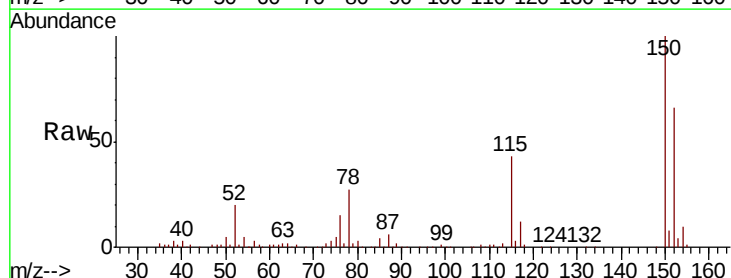
Tgt Ion: 79 Resp: 4893

Ion Ratio Lower Upper

79 100

108 34.9 57.3 85.9#

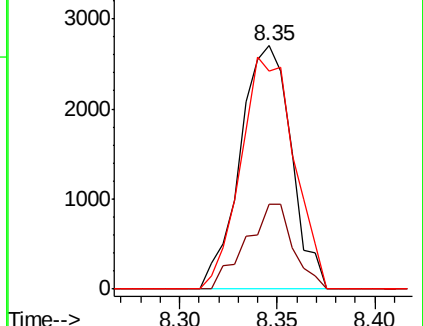
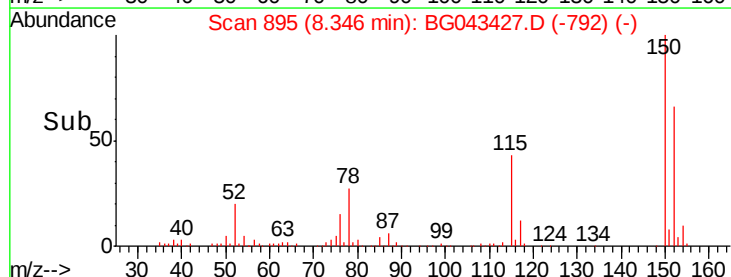
77 89.6 54.6 81.8#

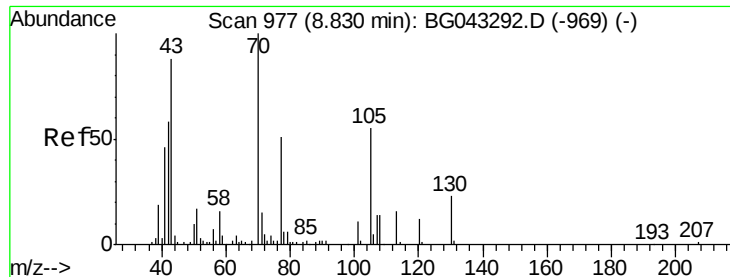


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.593 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 32177

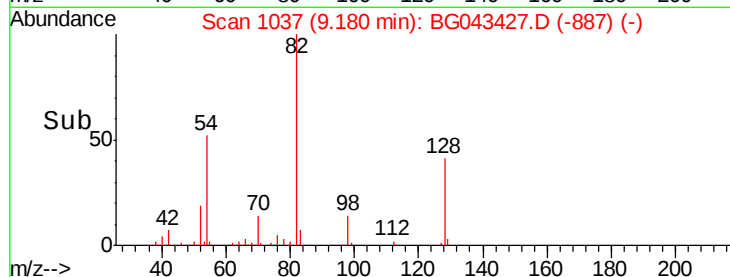
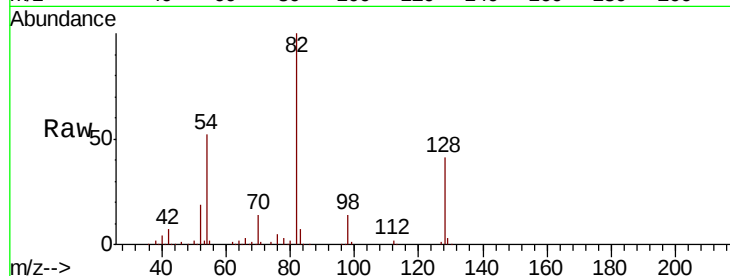
Ion Ratio Lower Upper

70 100

42 45.4 46.2 69.2#

101 0.0 8.6 13.0#

130 1.8 18.6 27.8#

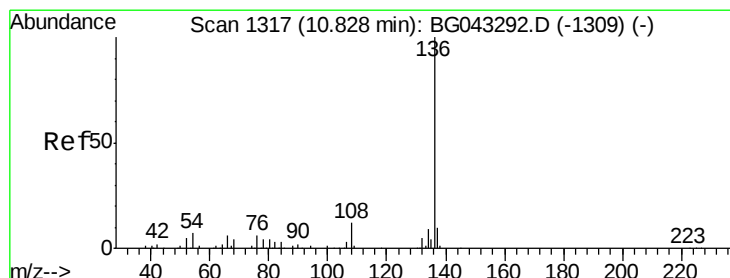
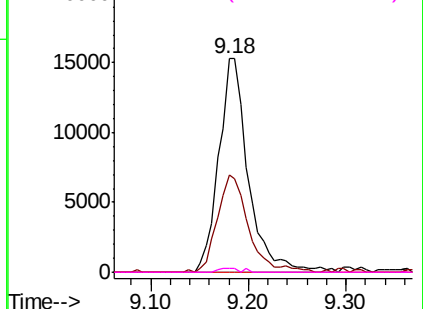


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Tgt Ion: 136 Resp: 127082

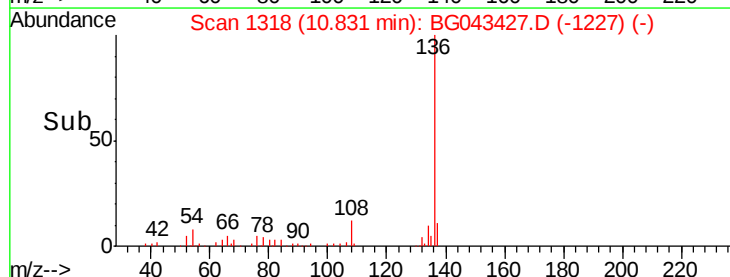
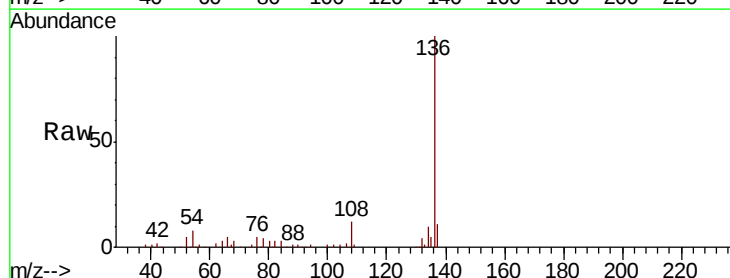
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 8.1 5.4 8.2

68 3.4 3.3 4.9

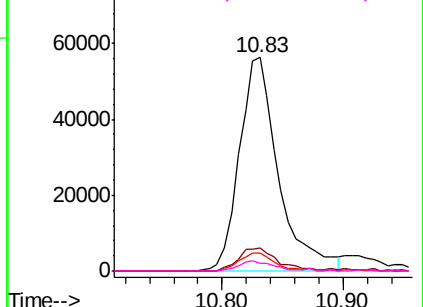


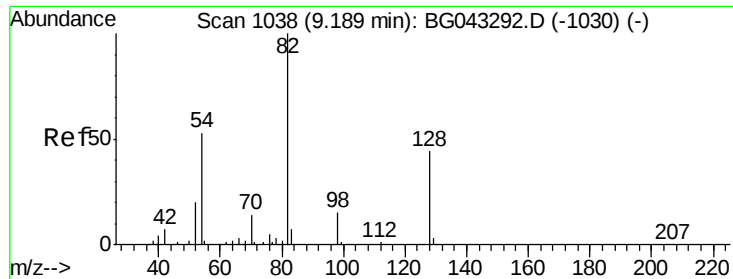
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

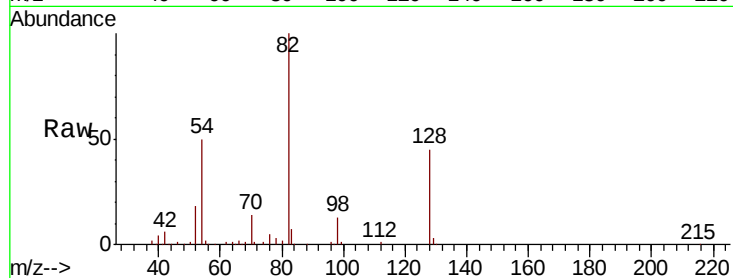




#23
Nitrobenzene-d5
Concen: 93.483 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043427.D
Acq: 31 Oct 2019 9:33

Instrument :
BNA_G
ClientSampled :

Tot Ion	82	Resp	230436
Ion Ratio	Lower	Upper	
82	100		
128	45.2	35.3	52.9
54	50.5	42.3	63.5

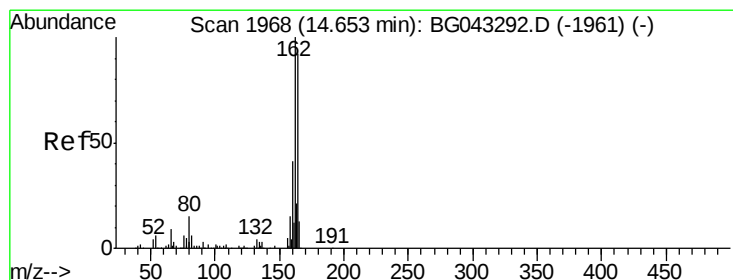
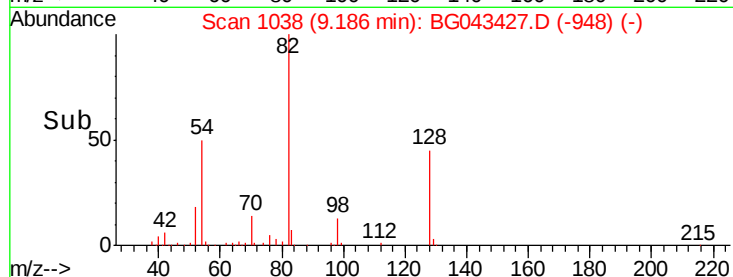
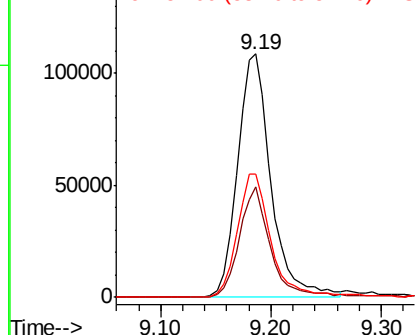


Abundance

Ion 82.00 (81.70 to 82.70): BGC

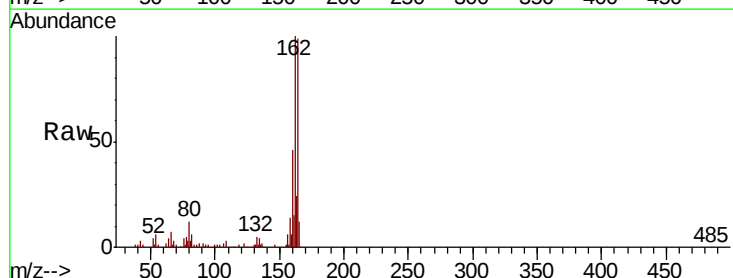
Ion 128.00 (127.70 to 128.70): BGC

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: BG043427.D
Acq: 31 Oct 2019 9:33

Tgt Ion	164	Resp	104346
Ion Ratio	Lower	Upper	
164	100		
162	101.0	87.0	130.4
160	46.3	35.5	53.3

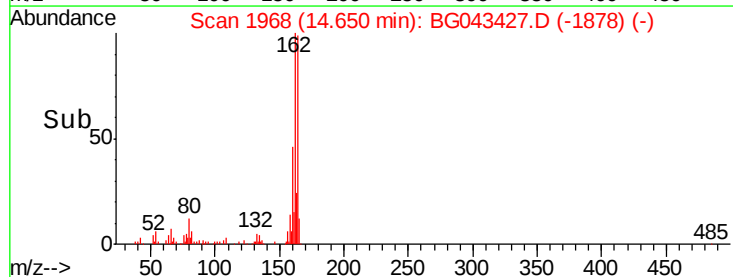
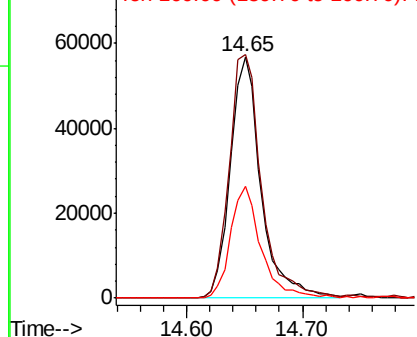


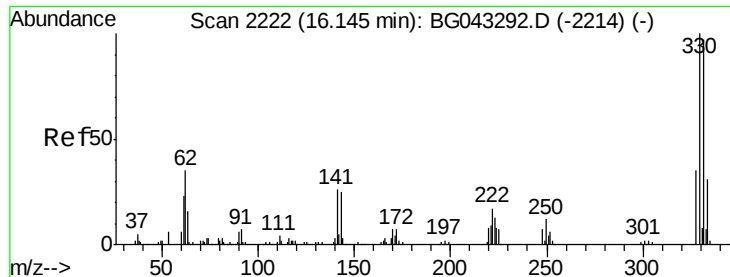
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

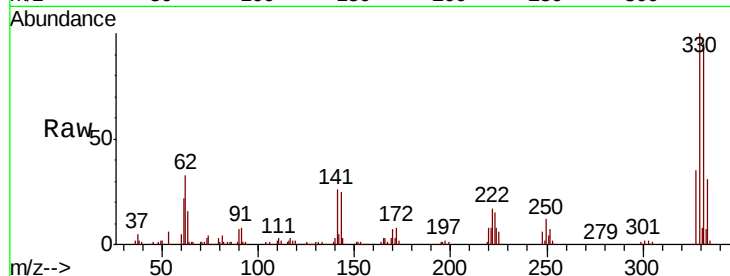




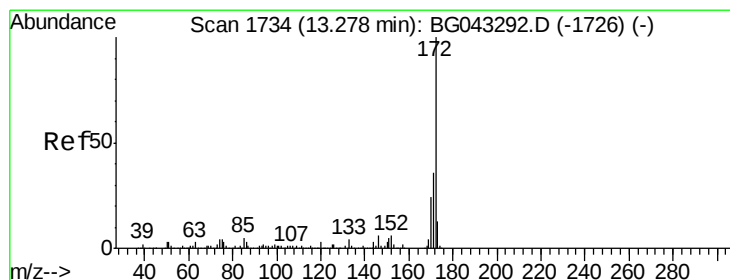
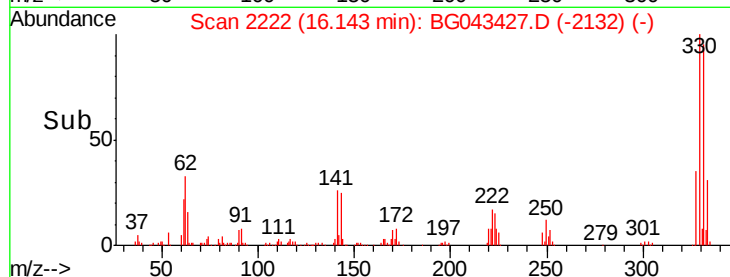
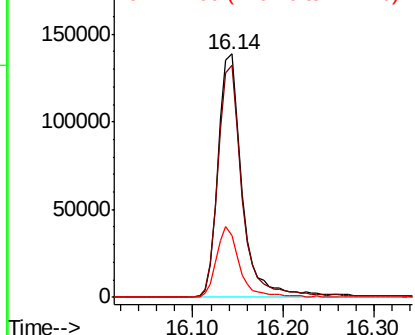
#42
 2,4,6-Tribromophenol
 Concen: 128.465 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG043427.D
 Acq: 31 Oct 2019 9:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.4	114.6
141	27.8	21.4	32.0

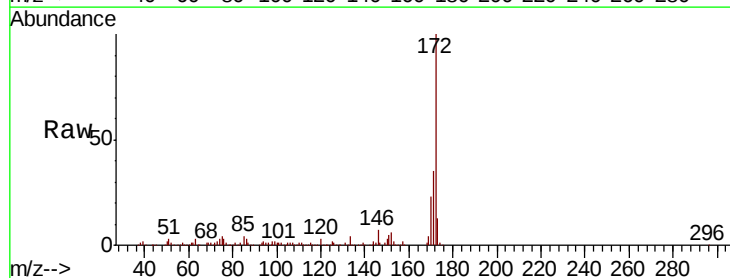


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

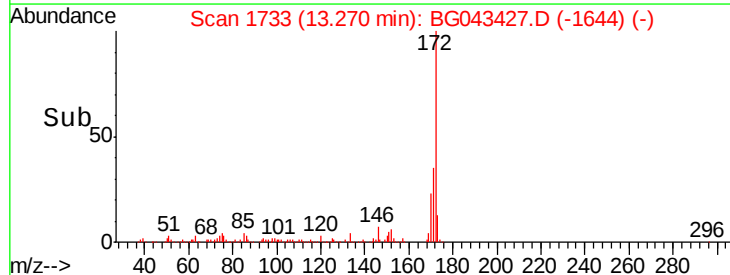
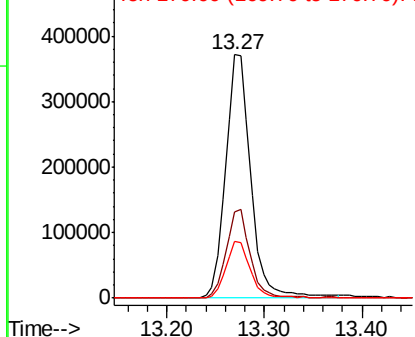


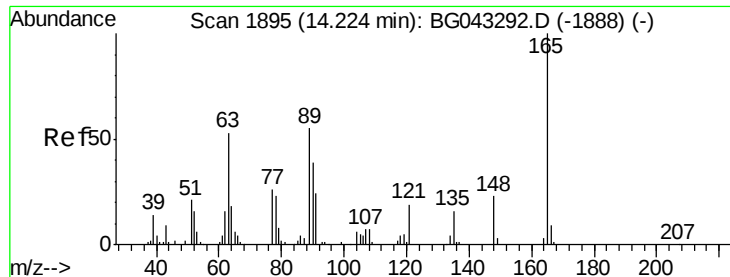
#45
 2-Fluorobiphenyl
 Concen: 88.244 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043427.D
 Acq: 31 Oct 2019 9:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.2	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: 8.402 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.42 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Instrument :

BNA_G

ClientSampleId :

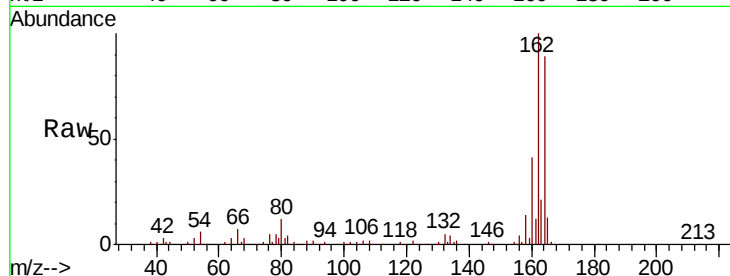
Tot Ion:165 Resp: 14753

Ion Ratio Lower Upper

165 100

63 0.0 47.1 70.7#

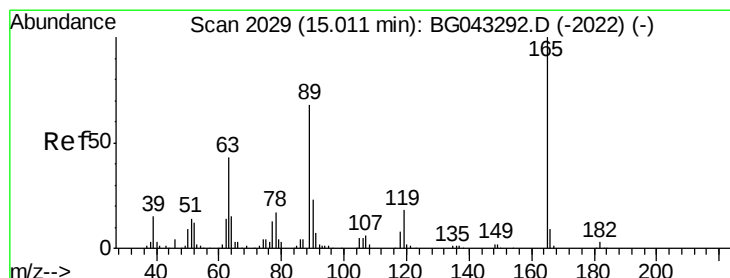
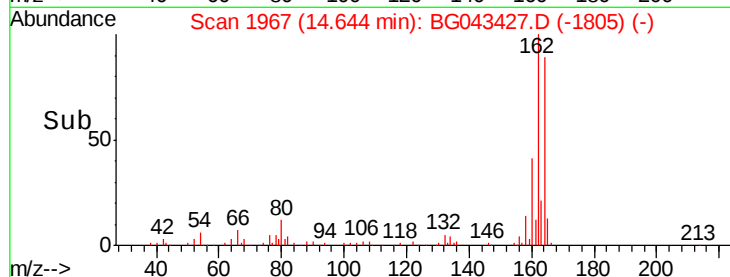
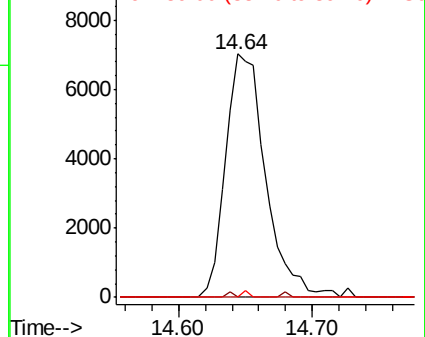
89 0.0 43.7 65.5#



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: 5.879 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.37 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Tgt Ion:165 Resp: 14753

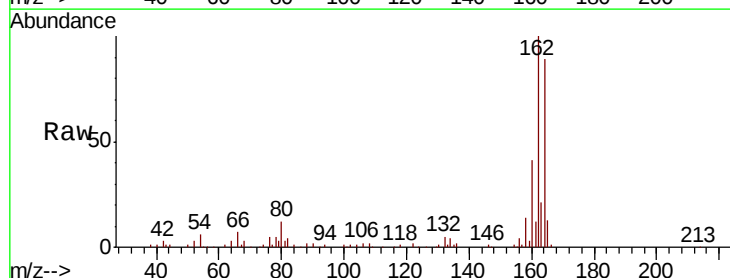
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.6#

89 0.0 54.1 81.1#

182 0.0 2.2 3.2#

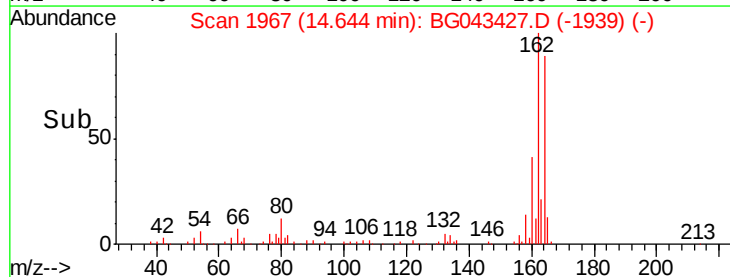
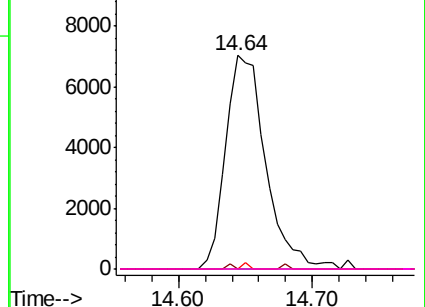


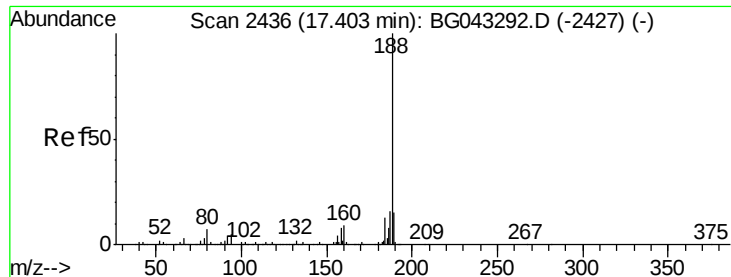
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2435

Delta R.T. -0.01 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

Instrument :

BNA_G

ClientSampleId :

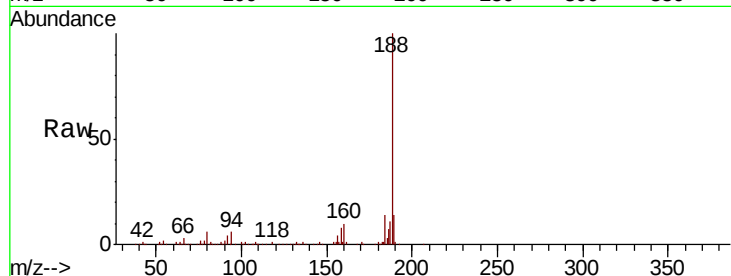
Tot Ion:188 Resp: 260267

Ion Ratio Lower Upper

188 100

94 6.1 4.2 6.2

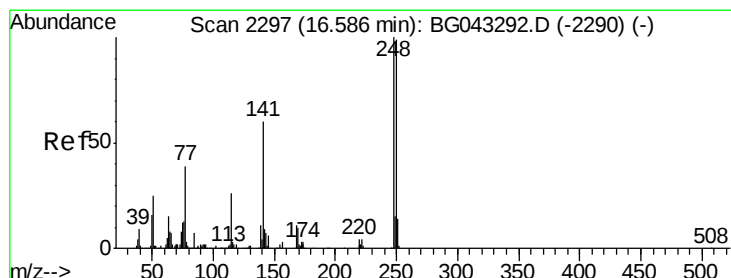
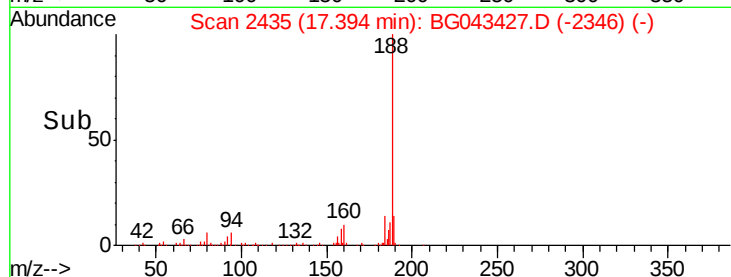
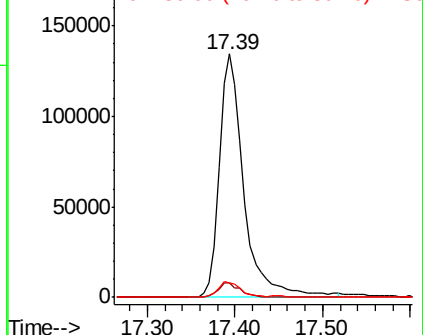
80 6.1 5.2 7.8



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: 4.718 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

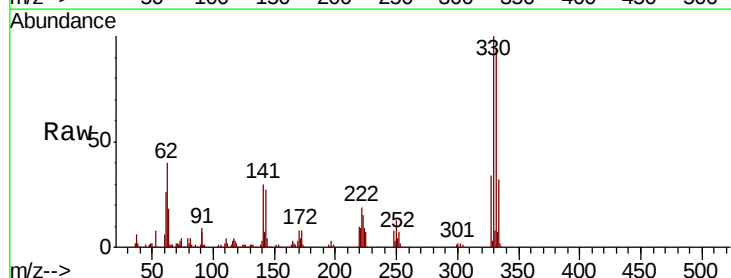
Tgt Ion:248 Resp: 16525

Ion Ratio Lower Upper

248 100

250 175.0 79.3 118.9#

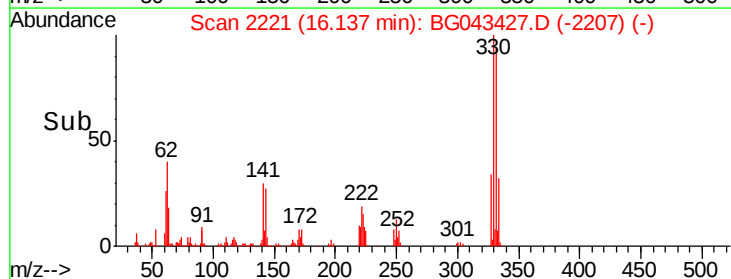
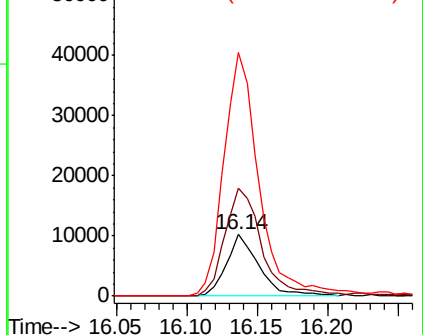
141 394.5 47.9 71.9#

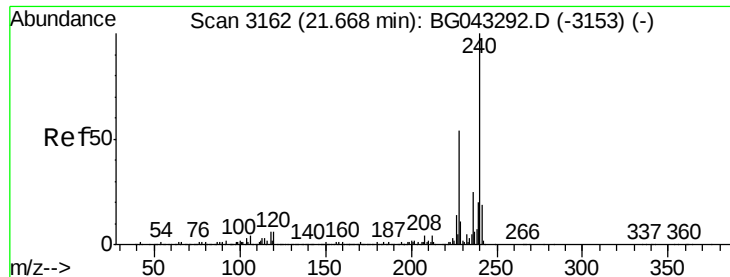


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG043427.D

Acq: 31 Oct 2019 9:33

Instrument :

BNA_G

ClientSampleId :

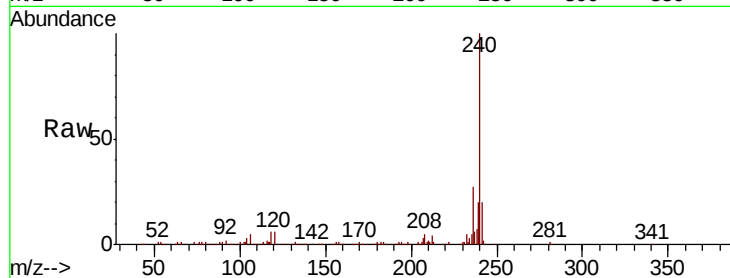
Tot Ion:240 Resp: 284380

Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

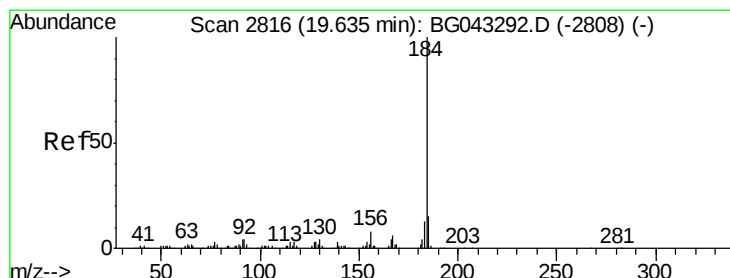
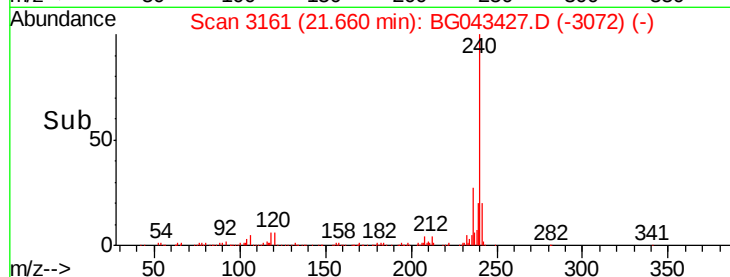
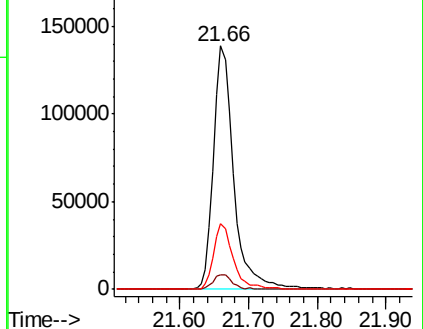
236 26.9 20.2 30.4



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: 3.549 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043427.D

Acq: 31 Oct 2019 9:33

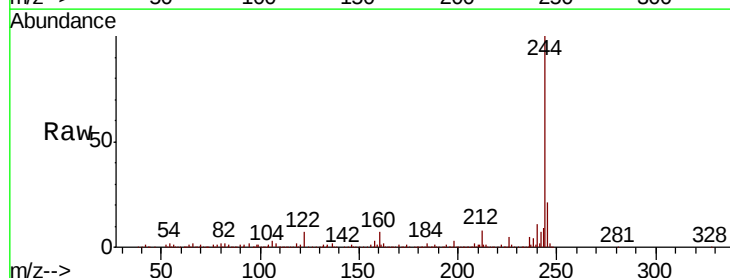
Tgt Ion:184 Resp: 20311

Ion Ratio Lower Upper

184 100

185 14.6 11.8 17.6

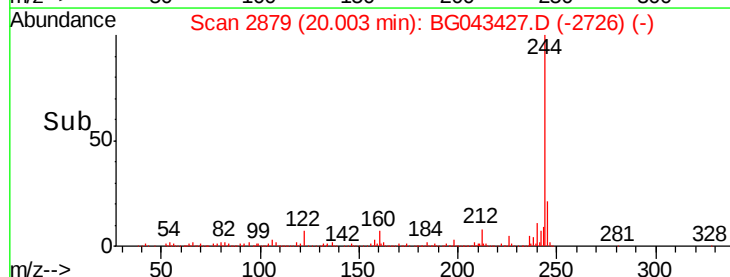
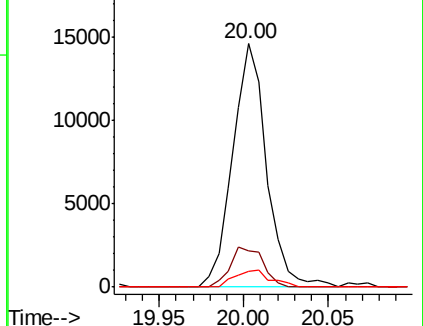
183 6.4 10.6 16.0#

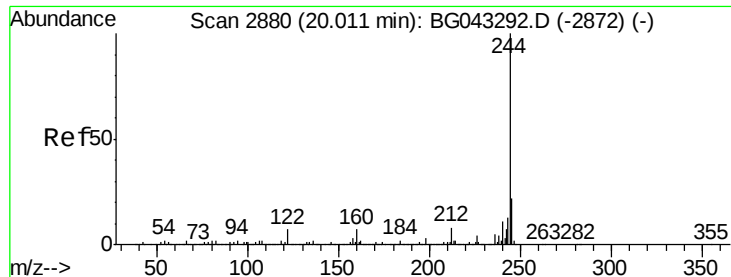


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

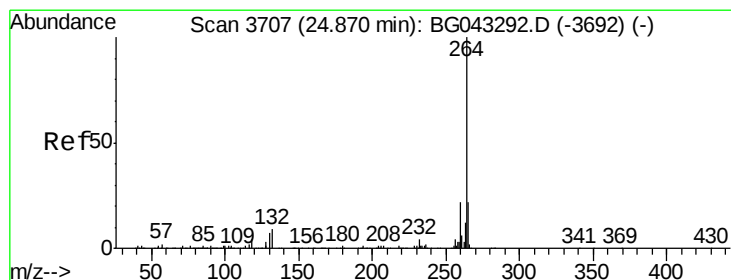
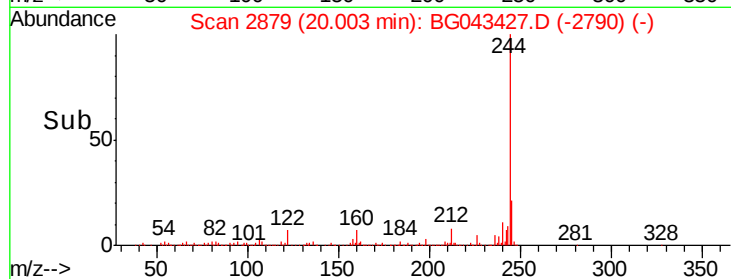
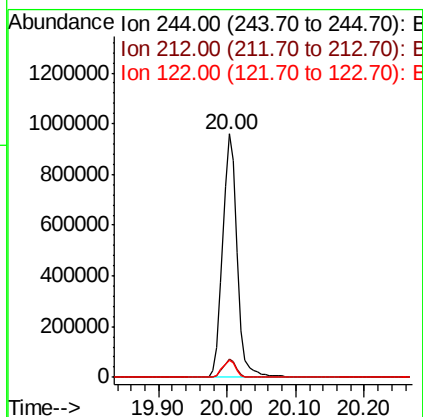
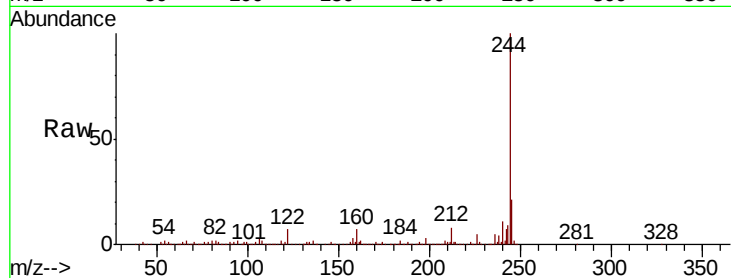




#79
 Terphenyl-d14
 Concen: 93.006 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043427.D
 Acq: 31 Oct 2019 9:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1409822
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.4 9.6
 122 7.1 5.3 7.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.86 min Scan# 3706
 Delta R.T. -0.01 min
 Lab File: BG043427.D
 Acq: 31 Oct 2019 9:33

Tgt Ion:264 Resp: 325708
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.9 26.9
 265 21.2 17.4 26.2

