

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043275.D
 Acq On : 17 Oct 2019 23:29
 Operator : JU
 Sample : K5292-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190858-AMENDED-COMP-E

Quant Time: Oct 18 01:43:24 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

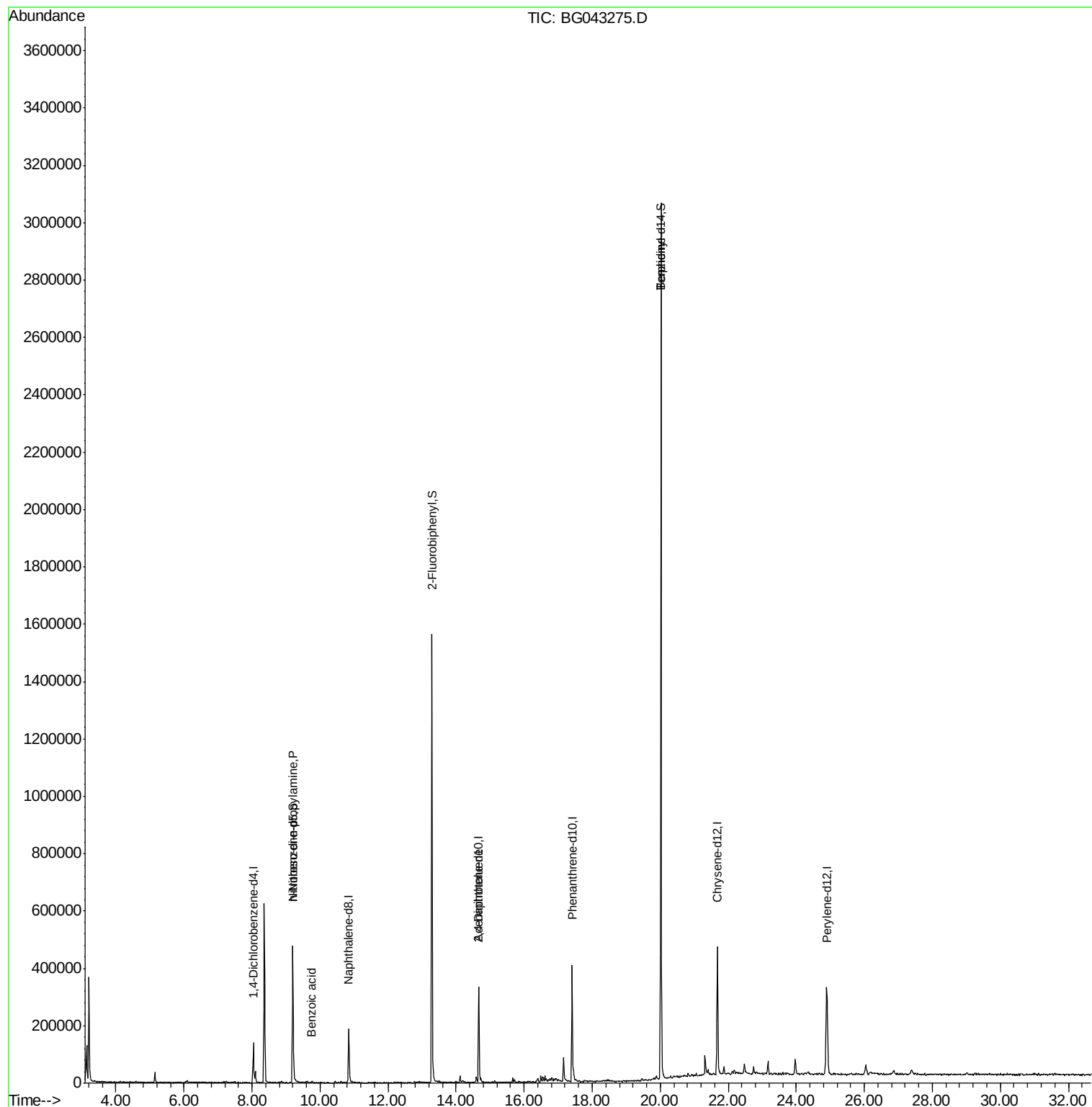
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	46973	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	181088	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	133858	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	282815	20.00	ng	0.00
76) Chrysene-d12	21.68	240	307731	20.00	ng	-0.01
87) Perylene-d12	24.90	264	356832	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	67	0.03	ng	0.00
7) Phenol-d6	7.22	99	1027	0.27	ng	-0.01
23) Nitrobenzene-d5	9.20	82	324145	87.00	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	564	0.25	ng	0.02
45) 2-Fluorobiphenyl	13.29	172	908116	98.35	ng	-0.02
79) Terphenyl-d14	20.02	244	1559685	108.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	45820	18.410	ng	# 71
32) Benzoic acid	9.74	122	54	2.831	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	17764	5.679	ng	# 23
77) Benzidine	20.02	184	24544	3.185	ng	98

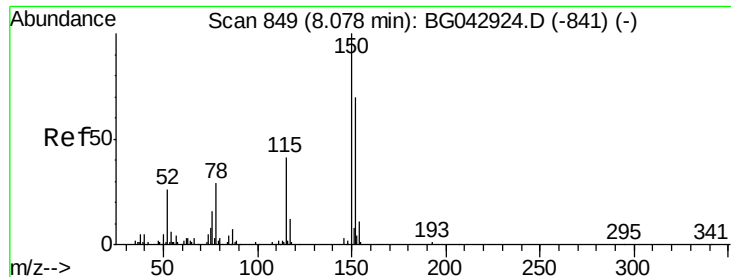
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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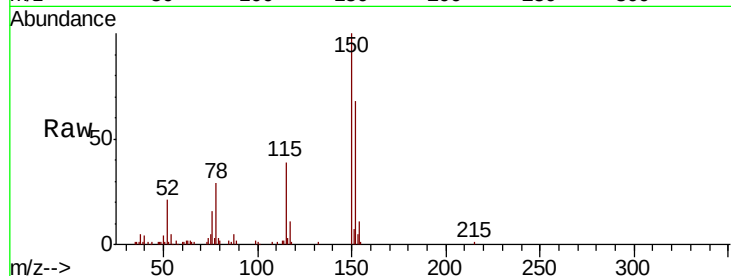


#1

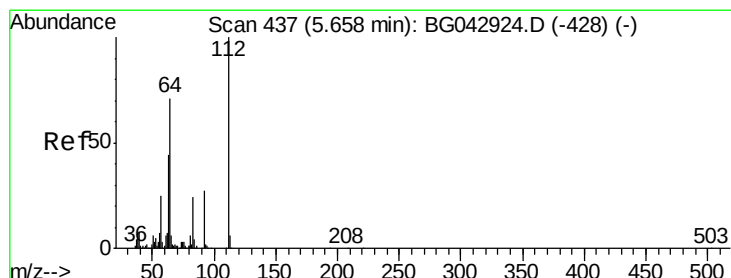
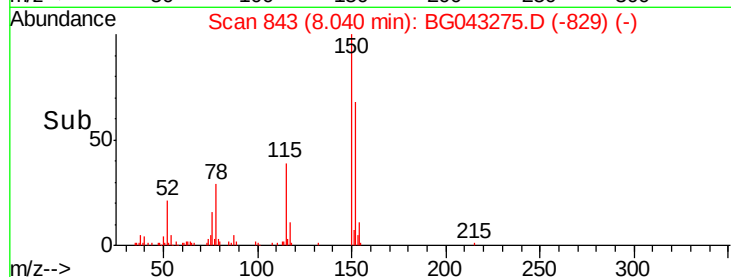
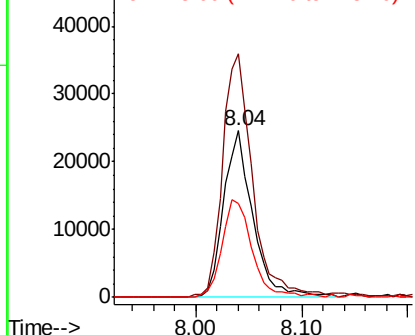
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Instrument :
BNA_G
ClientSampleId :
20190858-AMENDED-COMP-E

Tot Ion:152 Resp: 46973
Ion Ratio Lower Upper
152 100
150 146.5 115.0 172.4
115 56.7 47.0 70.6



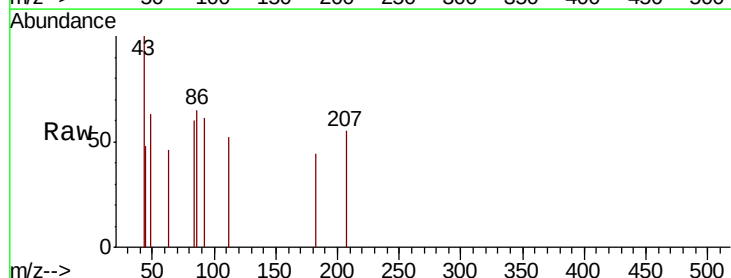
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



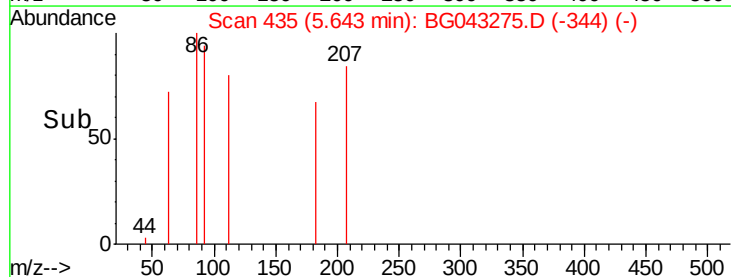
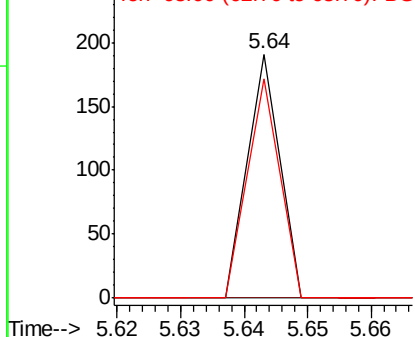
#5

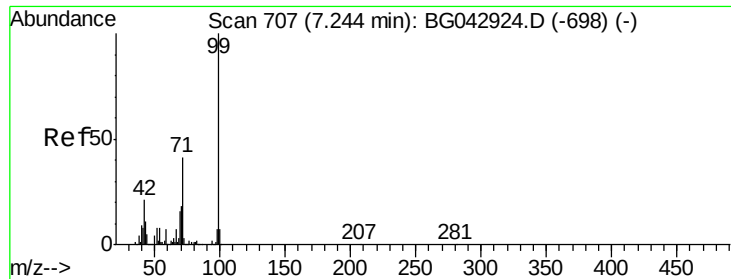
2-Fluorophenol
Concen: 0.025 ng
RT: 5.64 min Scan# 435
Delta R.T. 0.00 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Tgt Ion:112 Resp: 67
Ion Ratio Lower Upper
112 100
64 0.0 56.6 84.8#
63 90.1 35.1 52.7#



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: 0.271 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

Instrument :

BNA_G

ClientSampleId :

20190858-AMENDED-COMP-E

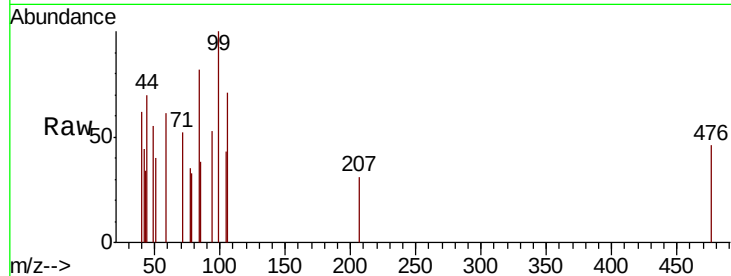
Tot Ion: 99 Resp: 1027

Ion Ratio Lower Upper

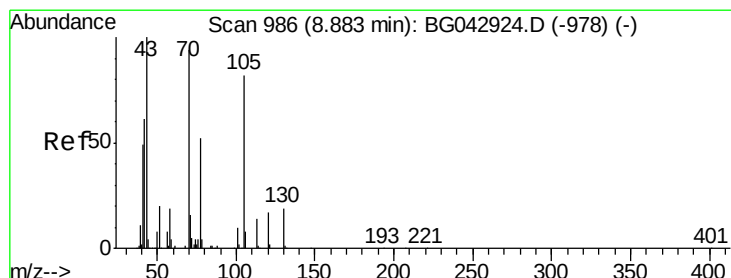
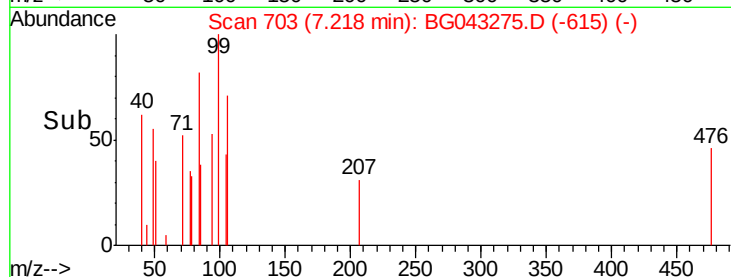
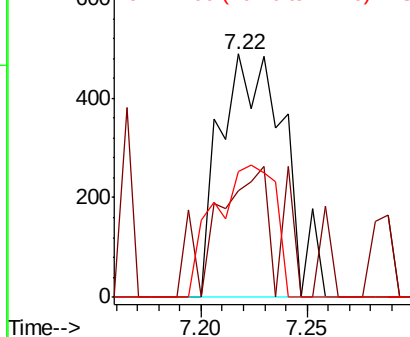
99 100

42 43.6 17.2 25.8#

71 51.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 18.410 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

Tgt Ion: 70 Resp: 45820

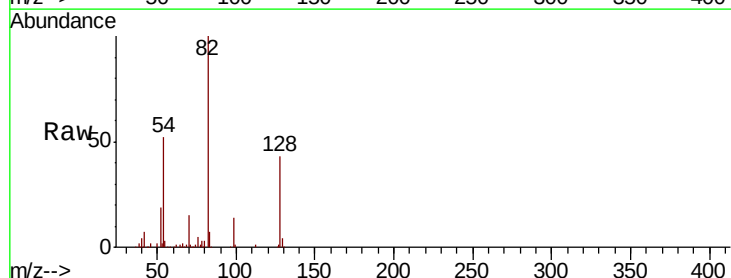
Ion Ratio Lower Upper

70 100

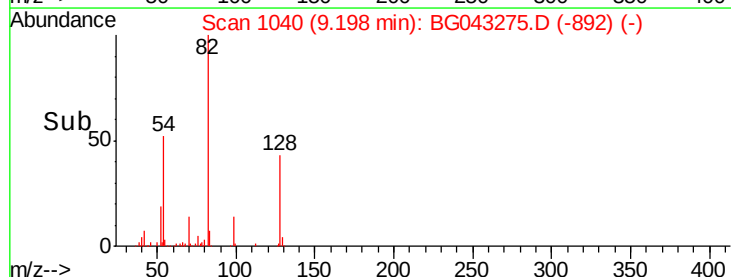
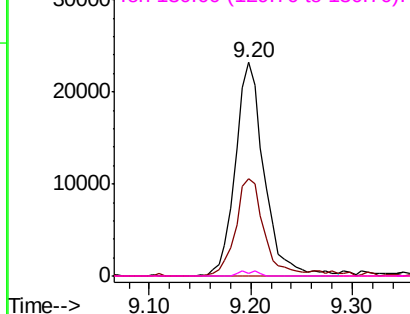
42 45.6 52.6 79.0#

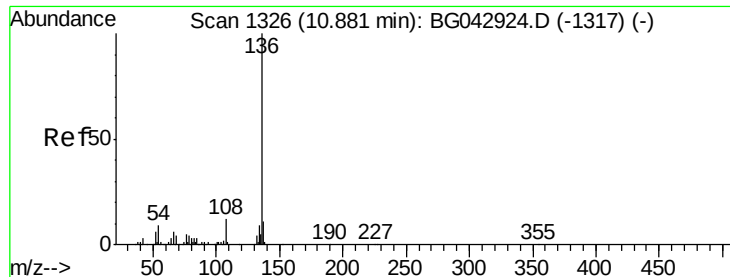
101 0.0 8.7 13.1#

130 1.1 15.8 23.8#



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

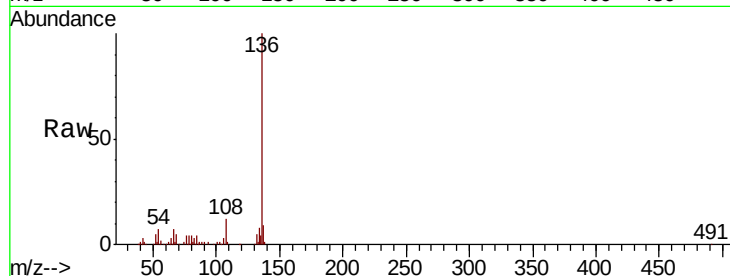




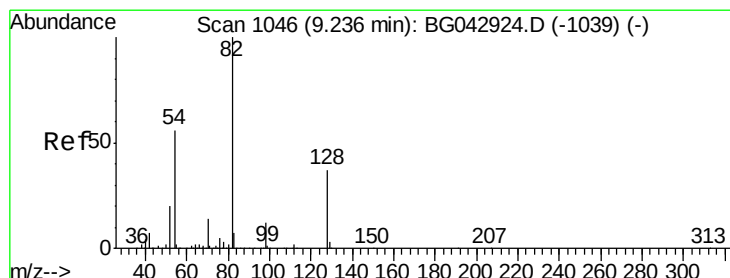
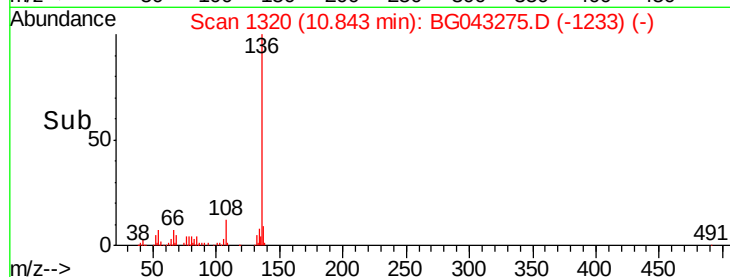
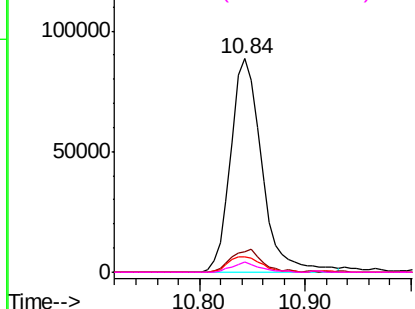
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Instrument :
BNA_G
ClientSampleId :
20190858-AMENDED-COMP-E

Tot Ion:136	Resp:	181088
Ion Ratio	Lower	Upper
136	100	
137	9.5	8.5 12.7
54	7.4	7.4 11.2#
68	4.7	3.6 5.4

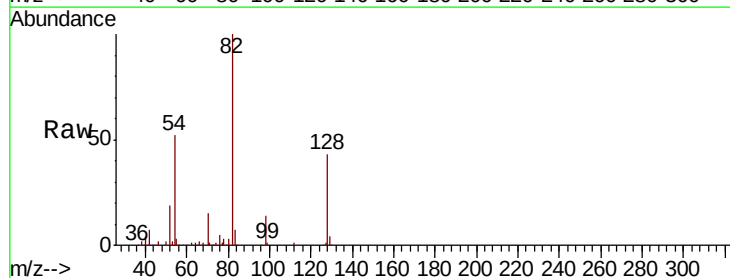


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

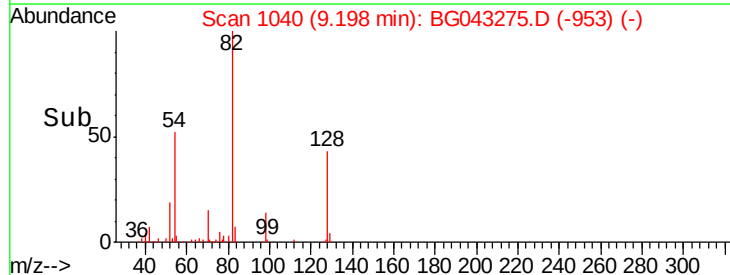
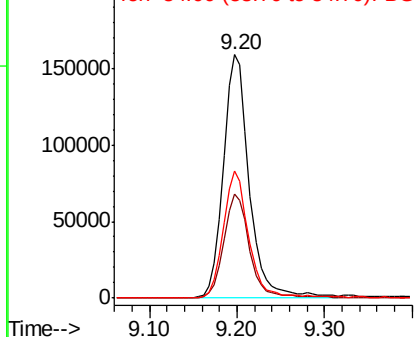


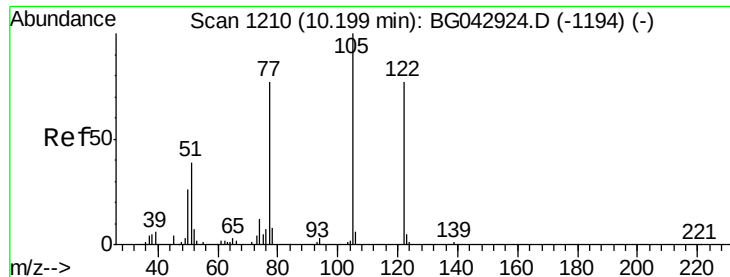
#23
Nitrobenzene-d5
Concen: 87.003 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Tgt Ion: 82	Resp:	324145
Ion Ratio	Lower	Upper
82	100	
128	42.8	29.5 44.3
54	52.1	44.6 67.0



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

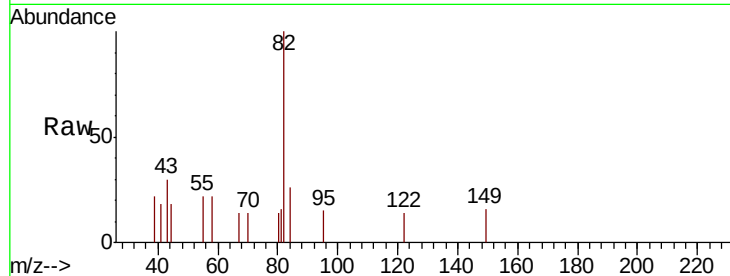




#32
Benzoic acid
Concen: 2.831 ng
RT: 9.74 min Scan# 1133
Delta R.T. -0.43 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Instrument :
BNA_G
ClientSampleId :
20190858-AMENDED-COMP-E

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	0.0	79.8	119.8#

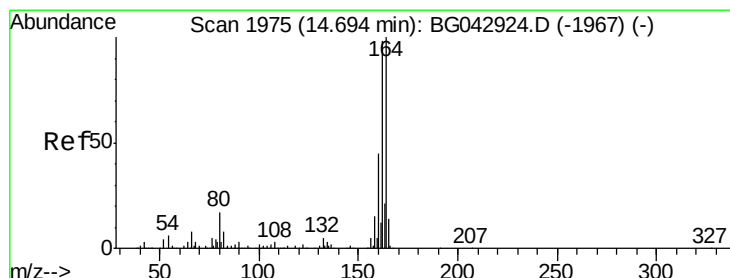
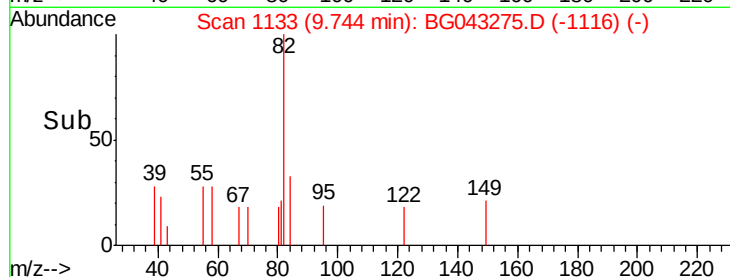
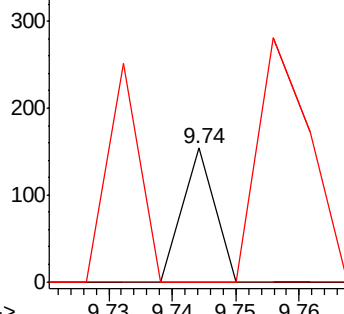


Abundance

Ion 122.00 (121.70 to 122.70): E

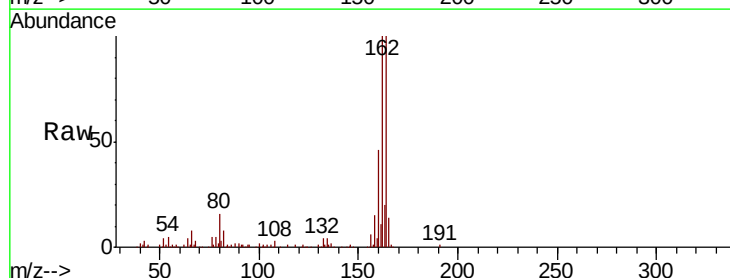
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.02 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	78.5	117.7
160	46.0	35.9	53.9

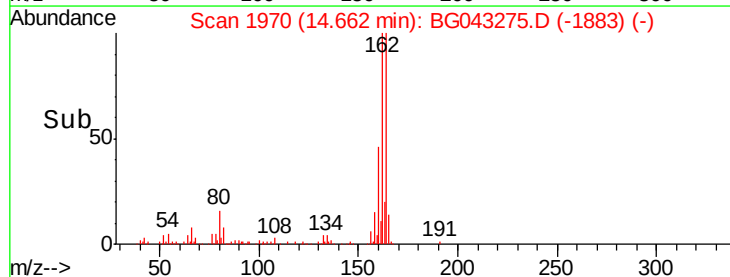
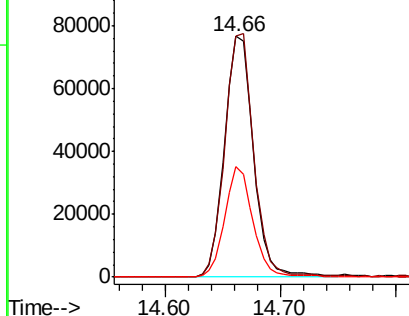


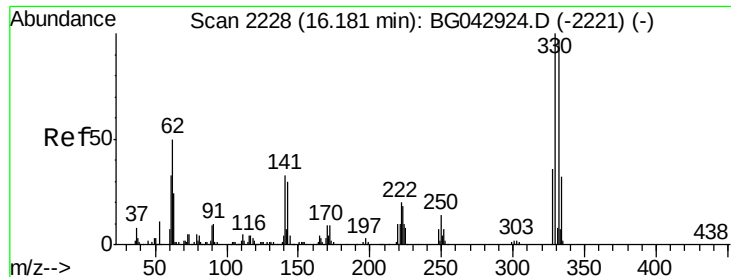
Abundance

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

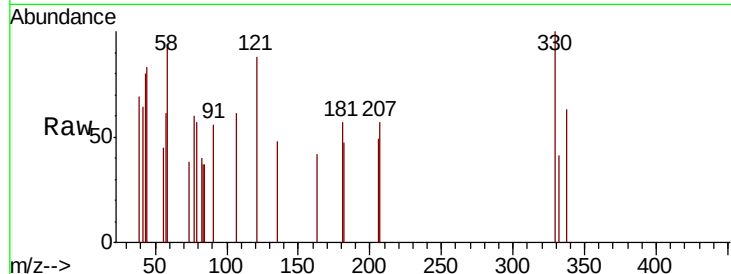




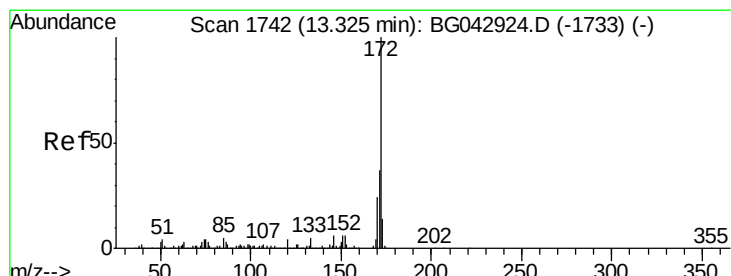
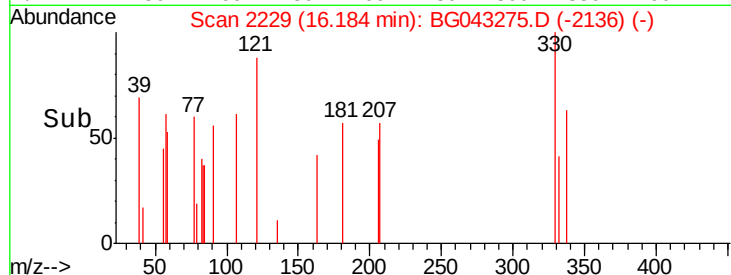
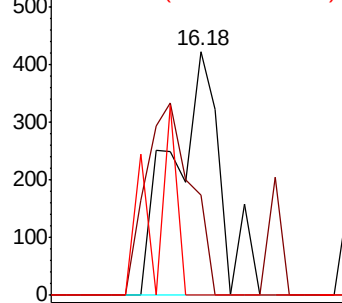
#42
 2,4,6-Tribromophenol
 Concen: 0.245 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. 0.02 min
 Lab File: BG043275.D
 Acq: 17 Oct 2019 23:29

Instrument :
 BNA_G
 ClientSampleId :
 20190858-AMENDED-COMP-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	73.2	78.2	117.2#
141	0.0	26.0	39.0#

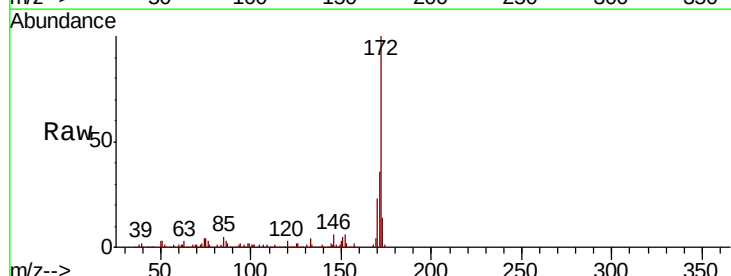


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

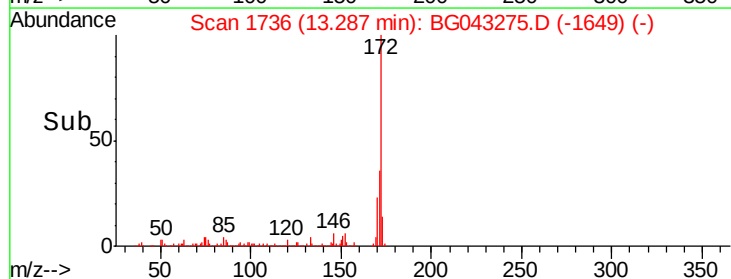
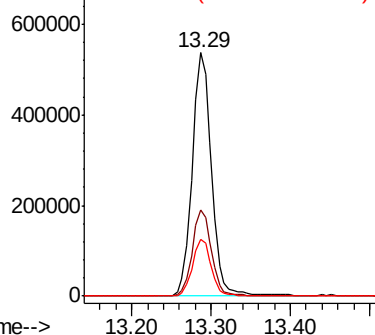


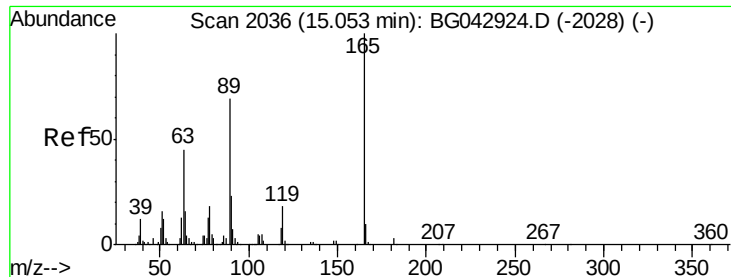
#45
 2-Fluorobiphenyl
 Concen: 98.350 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.02 min
 Lab File: BG043275.D
 Acq: 17 Oct 2019 23:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.2	19.6	29.4



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





#57

2,4-Dinitrotoluene

Concen: 5.679 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.37 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

Instrument :

BNA_G

ClientSampleId :

20190858-AMENDED-COMP-E

Tot Ion:165 Resp: 17764

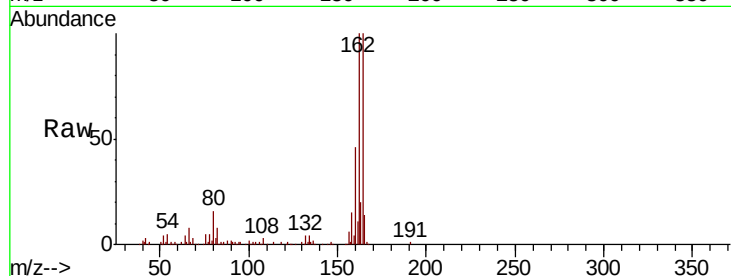
Ion Ratio Lower Upper

165 100

63 0.0 36.5 54.7#

89 0.0 55.5 83.3#

182 0.0 2.4 3.6#

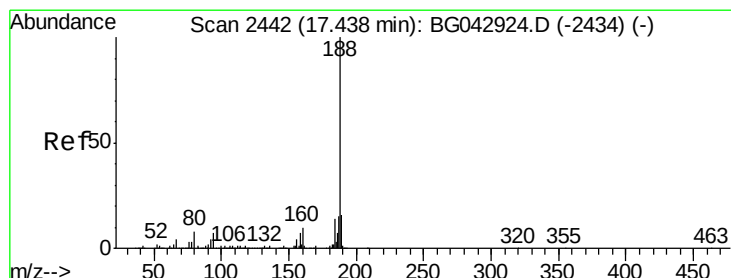
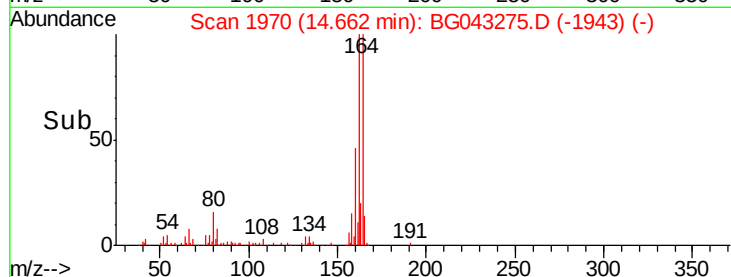
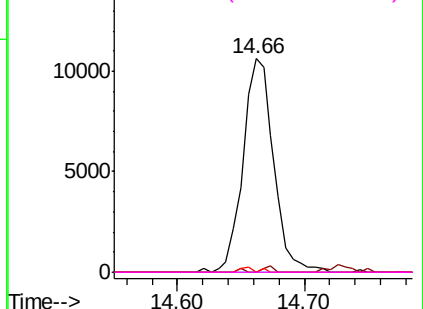


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

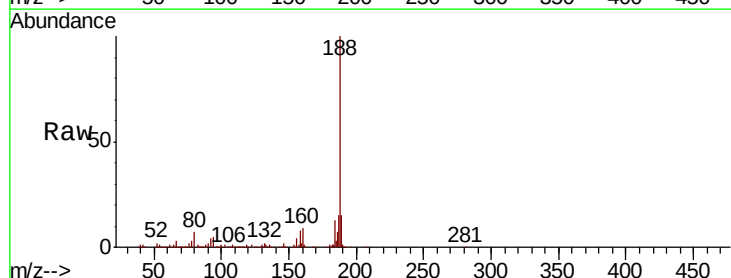
Tgt Ion:188 Resp: 282815

Ion Ratio Lower Upper

188 100

94 4.9 5.7 8.5#

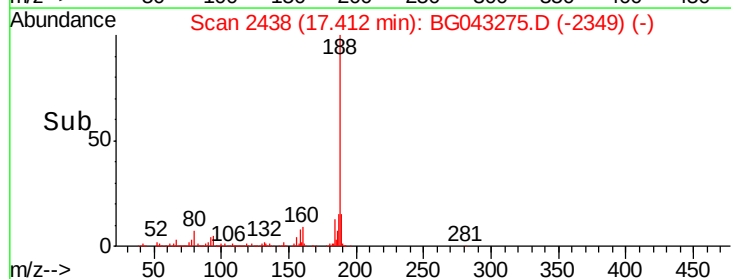
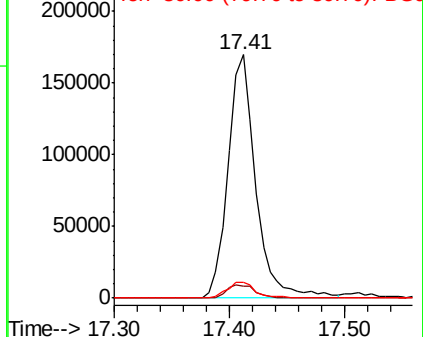
80 6.7 6.5 9.7

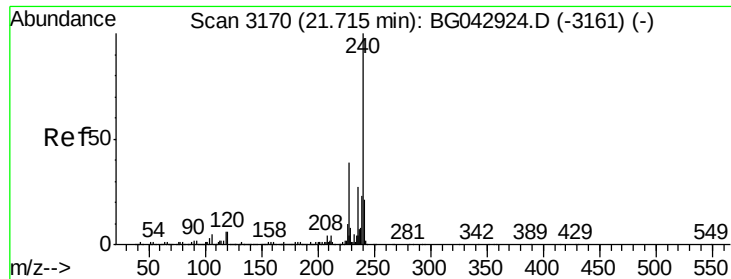


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

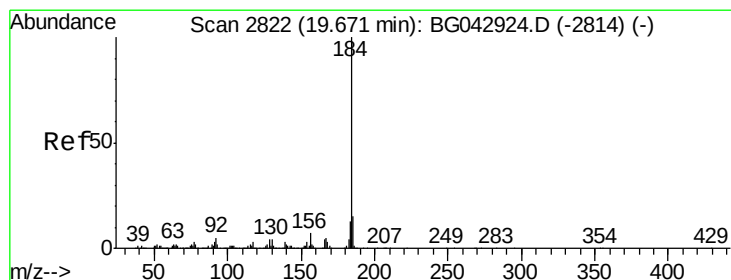
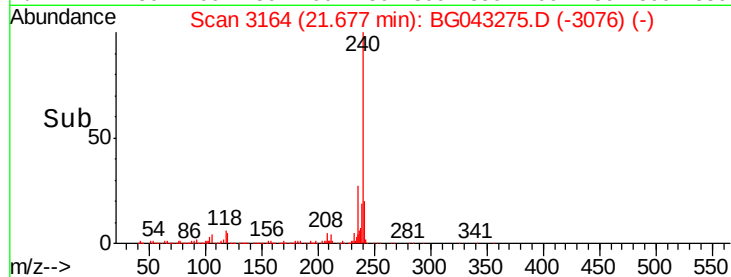
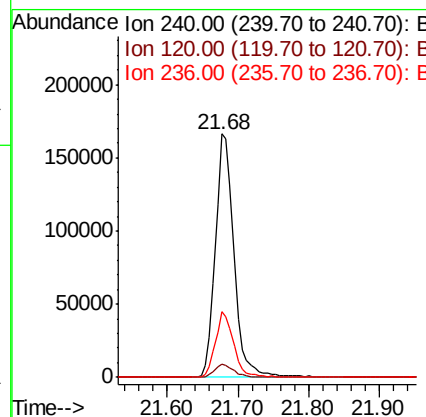
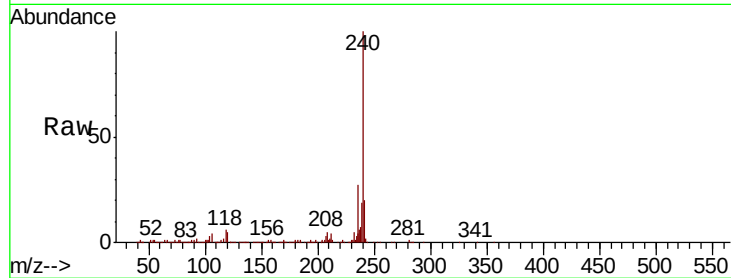




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

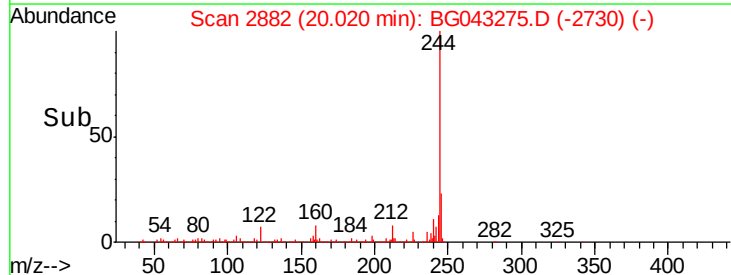
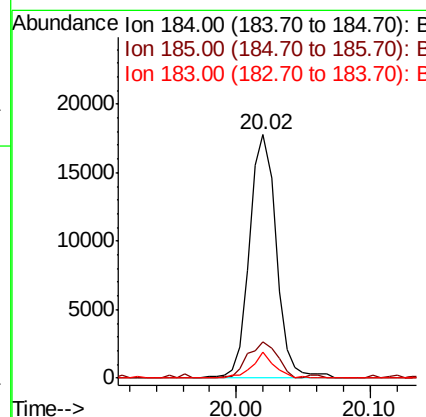
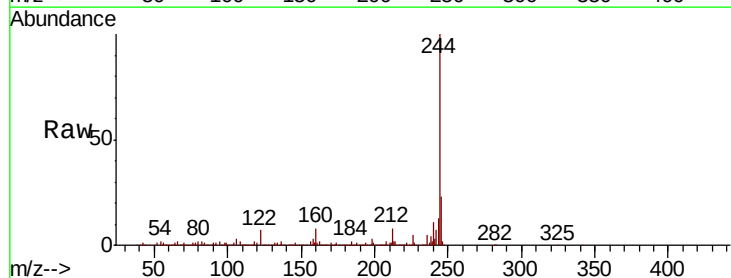
Instrument :
BNA_G
ClientSampleId :
20190858-AMENDED-COMP-E

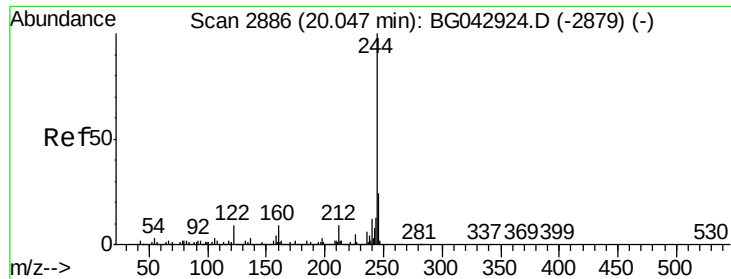
Tot Ion:240 Resp: 307731
Ion Ratio Lower Upper
240 100
120 5.3 4.8 7.2
236 27.0 21.4 32.0



#77
Benzidine
Concen: 3.185 ng
RT: 20.02 min Scan# 2882
Delta R.T. 0.36 min
Lab File: BG043275.D
Acq: 17 Oct 2019 23:29

Tgt Ion:184 Resp: 24544
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.8
183 10.8 10.1 15.1





#79

Terphenyl-d14

Concen: 108.000 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

Instrument :

BNA_G

ClientSampleId :

20190858-AMENDED-COMP-E

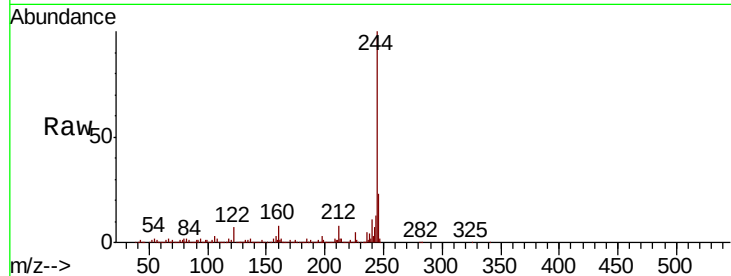
Tot Ion:244 Resp: 1559685

Ion Ratio Lower Upper

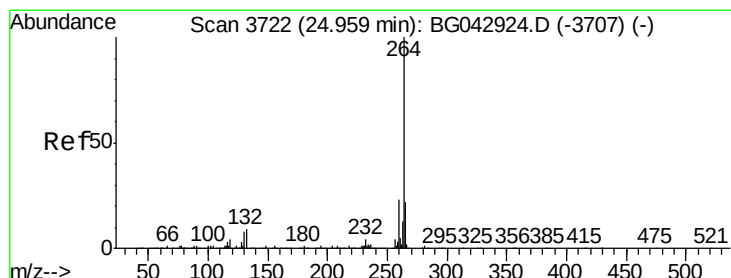
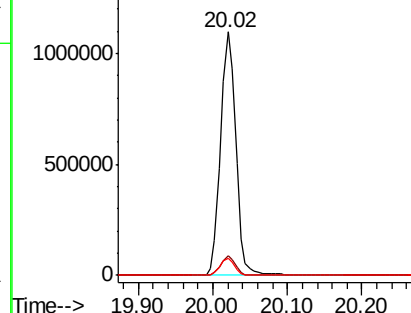
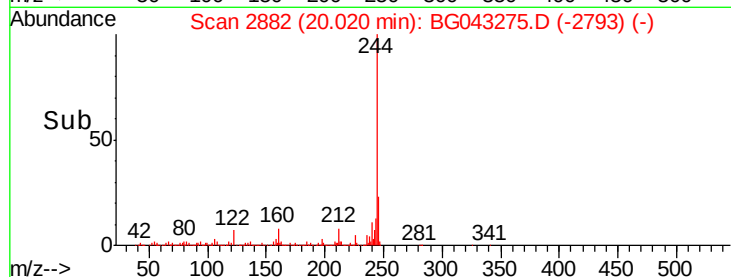
244 100

212 8.0 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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG043275.D

Acq: 17 Oct 2019 23:29

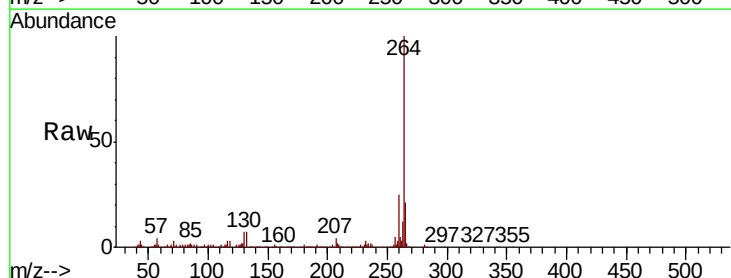
Tgt Ion:264 Resp: 356832

Ion Ratio Lower Upper

264 100

260 25.5 18.7 28.1

265 21.1 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

