

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100319\
 Data File : BG043018.D
 Acq On : 3 Oct 2019 19:05
 Operator : JU
 Sample : K5168-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2019070-SS-COMPOSITE-10

Quant Time: Oct 04 06:34:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 25 15:35:52 2019
 Response via : Initial Calibration

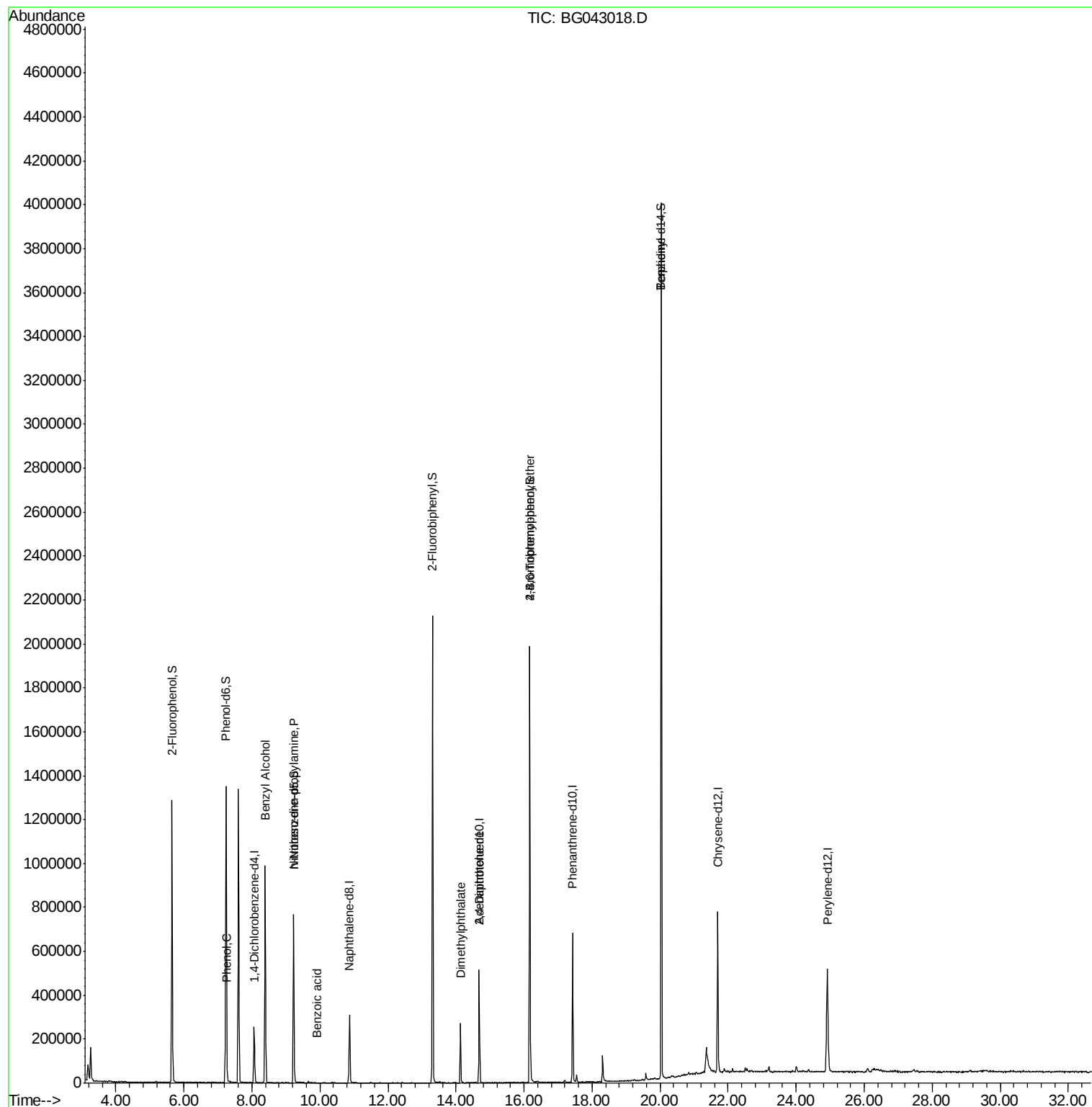
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	73257	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	271202	20.00	ng	-0.01
39) Acenaphthene-d10	14.68	164	193500	20.00	ng	-0.01
64) Phenanthrene-d10	17.43	188	434597	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	460238	20.00	ng	-0.02
87) Perylene-d12	24.92	264	539259	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	548229	133.55	ng	0.00
7) Phenol-d6	7.24	99	797737	134.95	ng	0.00
23) Nitrobenzene-d5	9.22	82	491896	88.16	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	435666	130.93	ng	-0.01
45) 2-Fluorobiphenyl	13.31	172	1159601	86.88	ng	-0.01
79) Terphenyl-d14	20.04	244	1939955	89.82	ng	-0.01
Target Compounds						
10) Phenol	7.27	94	28043	5.171	ng	Qvalue 94
15) Benzyl Alcohol	8.39	79	9162	2.062	ng	# 43
19) n-Nitroso-di-n-propylamine	9.22	70	68048	17.531	ng	# 70
32) Benzoic acid	9.91	122	57	2.821	ng	# 1
50) Dimethylphthalate	14.14	163	186962	12.895	ng	# 98
57) 2,4-Dinitrotoluene	14.69	165	25543	5.649	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	29222	5.357	ng	# 1
77) Benzidine	20.04	184	31197	2.707	ng	# 93

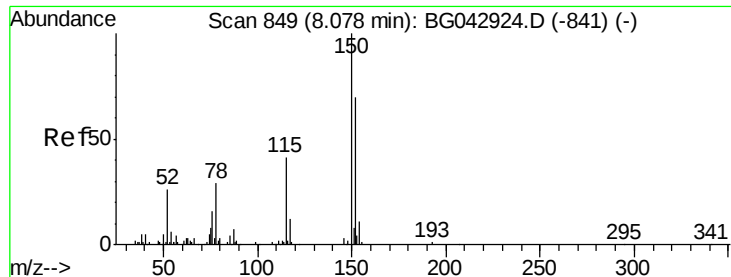
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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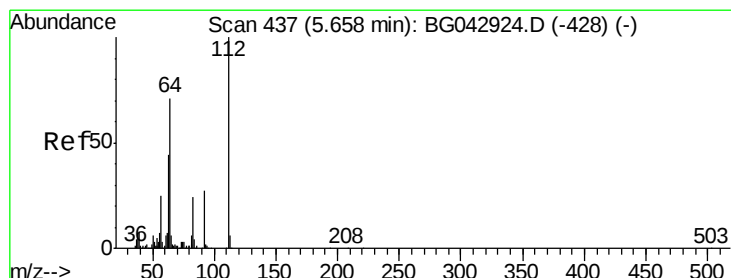
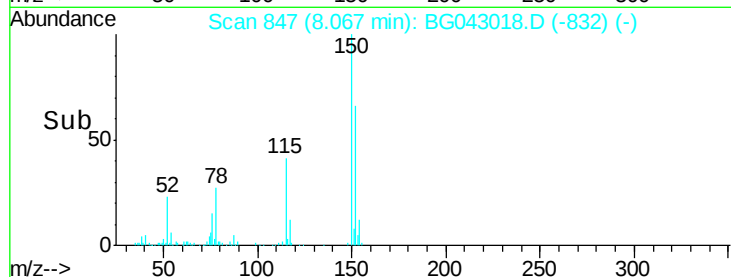
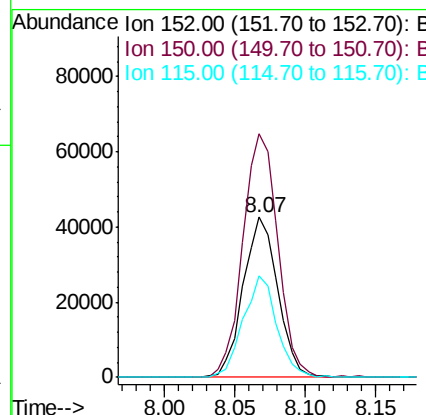
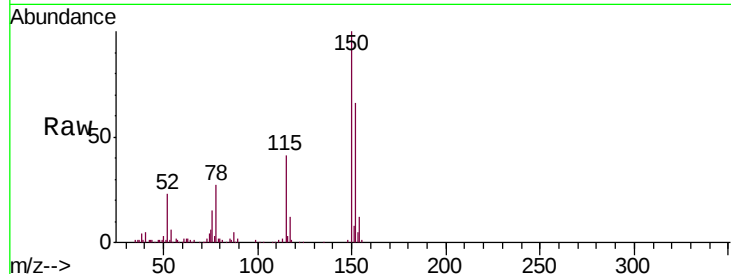


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Instrument :
BNA_G
ClientSampleId :
2019070-SS-COMPOSITE-10

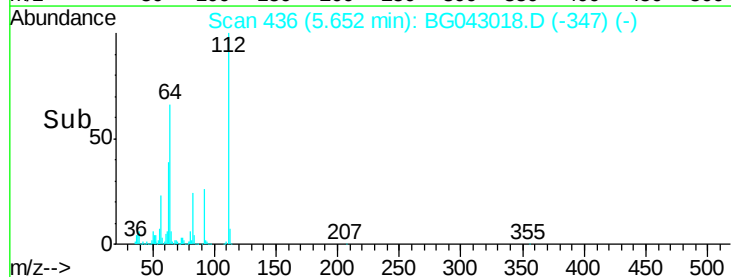
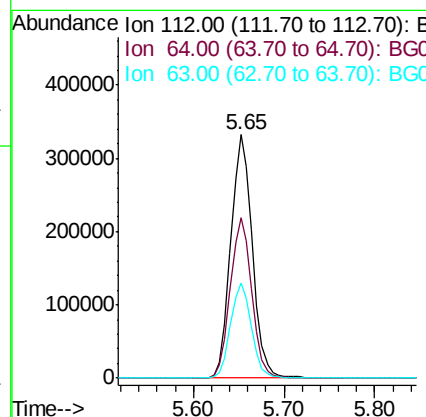
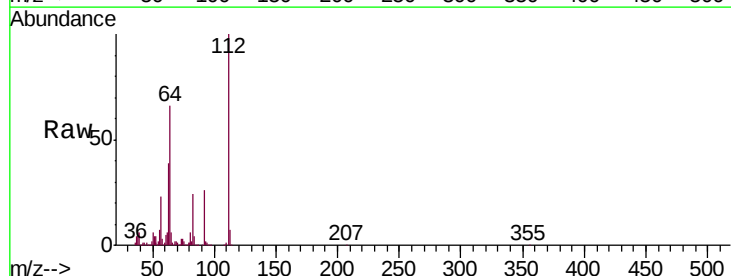
Tgt Ion:152 Resp: 73257
Ion Ratio Lower Upper
152 100
150 152.2 115.0 172.4
115 63.1 47.0 70.6

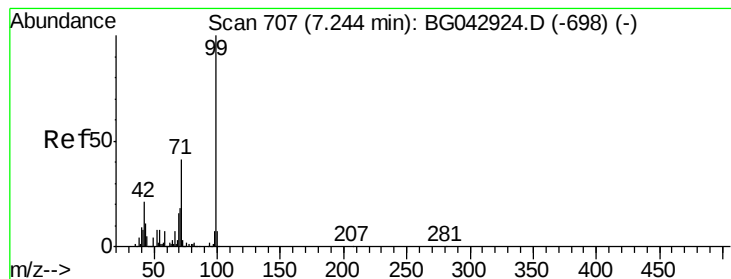


#5

2-Fluorophenol
Concen: 133.555 ng
RT: 5.65 min Scan# 436
Delta R.T. -0.01 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Tgt Ion:112 Resp: 548229
Ion Ratio Lower Upper
112 100
64 65.8 56.6 84.8
63 38.9 35.1 52.7





#7

Phenol-d6

Concen: 134.951 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Instrument :

BNA_G

ClientSampleId :

2019070-SS-COMPOSITE-10

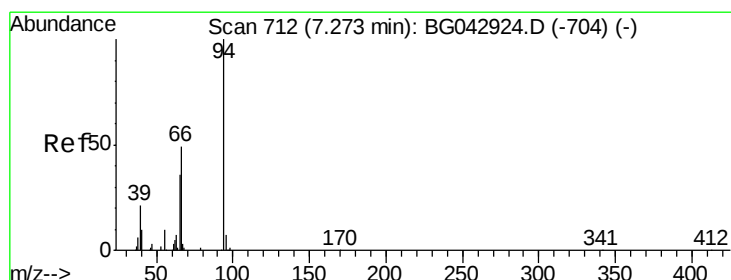
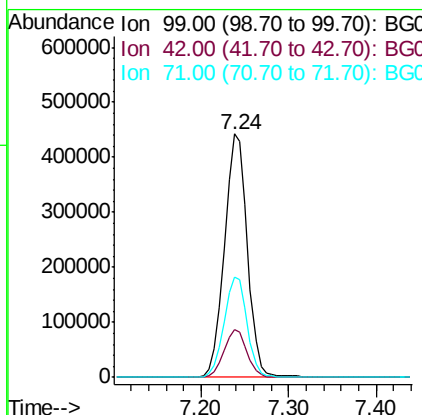
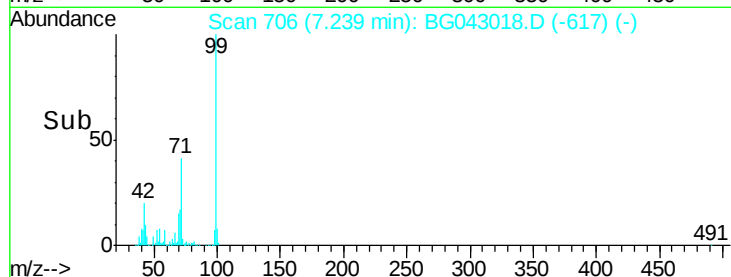
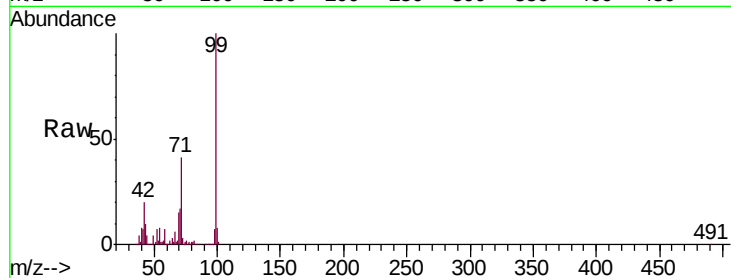
Tgt Ion: 99 Resp: 797737

Ion Ratio Lower Upper

99 100

42 19.8 17.2 25.8

71 41.2 33.1 49.7



#10

Phenol

Concen: 5.171 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

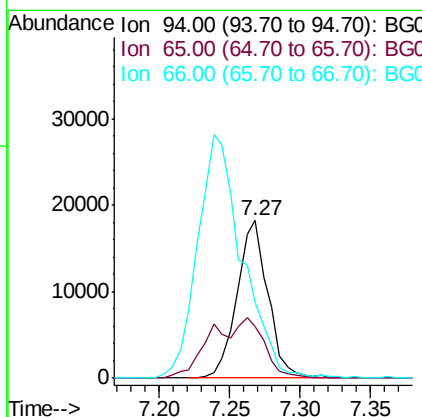
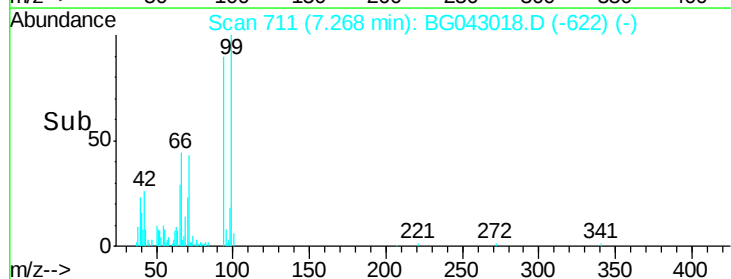
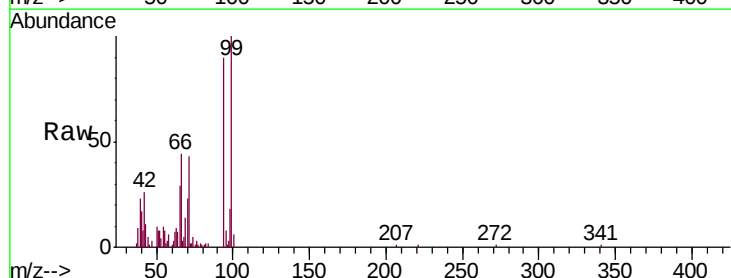
Tgt Ion: 94 Resp: 28043

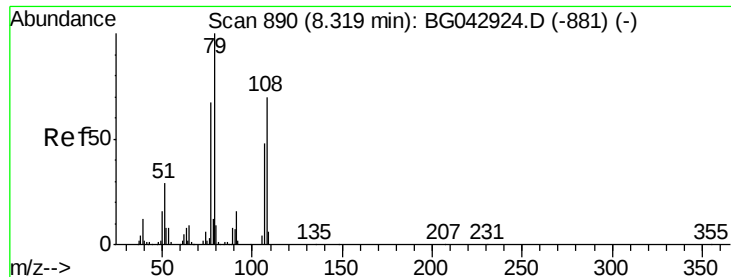
Ion Ratio Lower Upper

94 100

65 32.5 16.6 56.6

66 48.4 32.4 72.4





#15

Benzyl Alcohol

Concen: 2.062 ng

RT: 8.39 min Scan# 902

Delta R.T. 0.07 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Instrument :

BNA_G

ClientSampleId :

2019070-SS-COMPOSITE-10

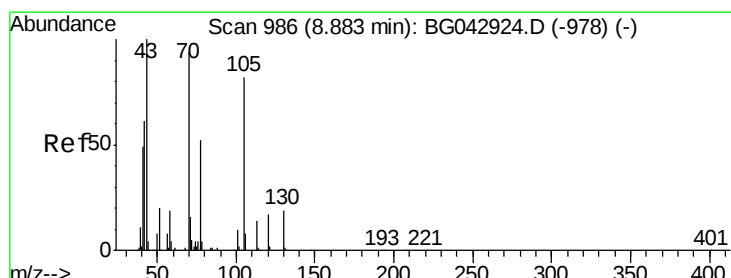
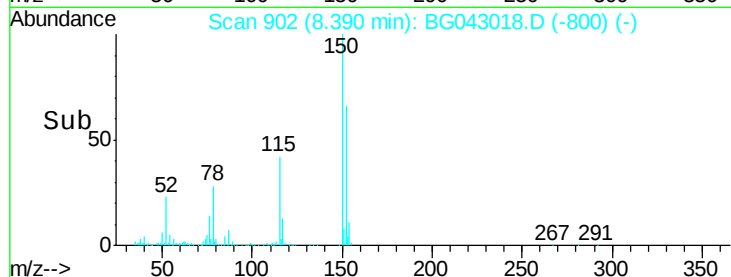
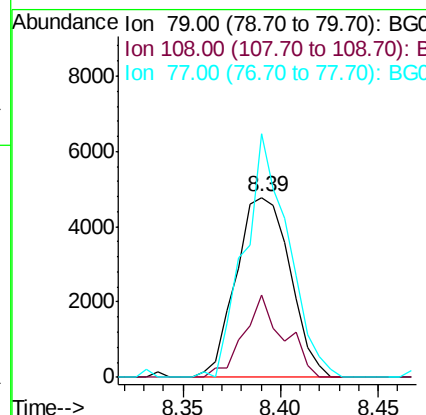
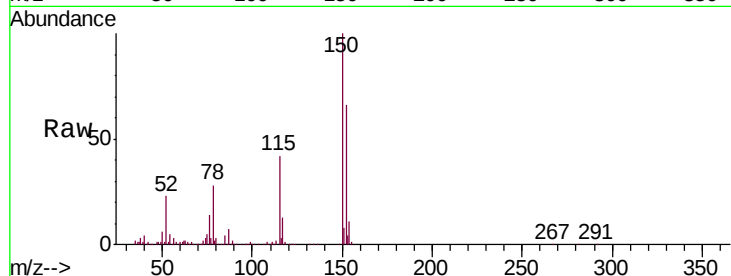
Tgt Ion: 79 Resp: 9162

Ion Ratio Lower Upper

79 100

108 45.4 55.7 83.5#

77 135.2 53.3 79.9#



#19

n-Nitroso-di-n-propylamine

Concen: 17.531 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Tgt Ion: 70 Resp: 68048

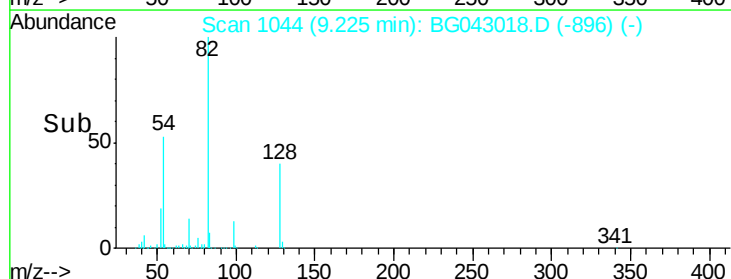
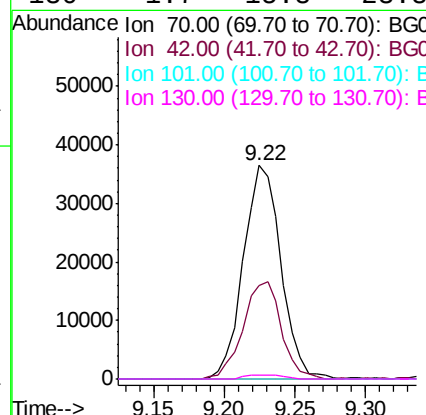
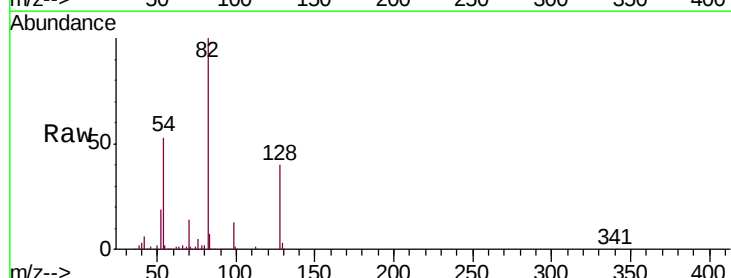
Ion Ratio Lower Upper

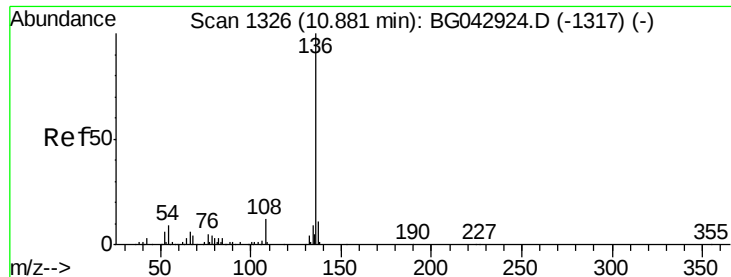
70 100

42 43.7 52.6 79.0#

101 0.0 8.7 13.1#

130 1.7 15.8 23.8#

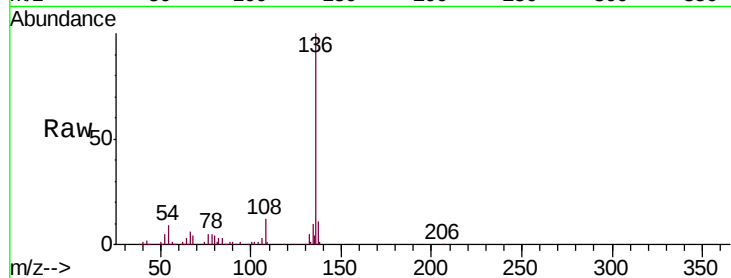




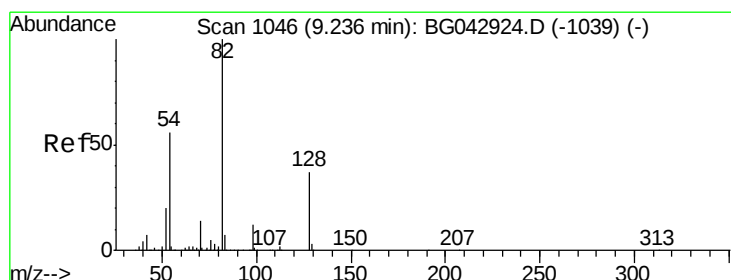
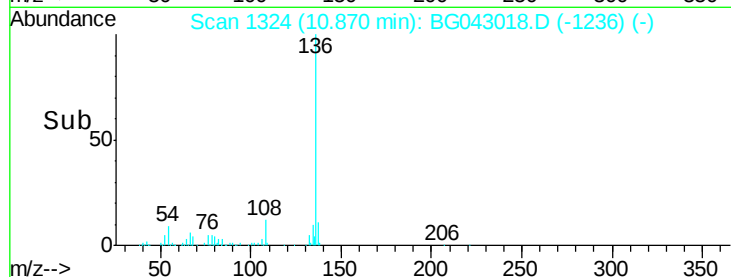
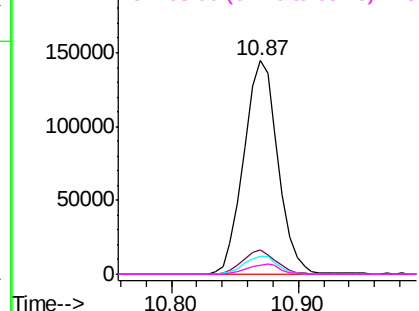
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Instrument :
BNA_G
ClientSampleId :
2019070-SS-COMPOSITE-10

Tgt Ion:	136	Resp:	271202
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	8.7	7.4	11.2
68	3.9	3.6	5.4

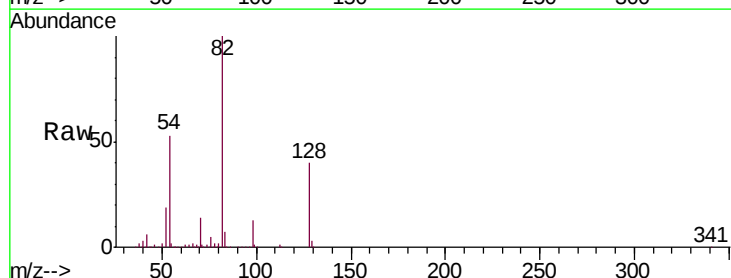


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

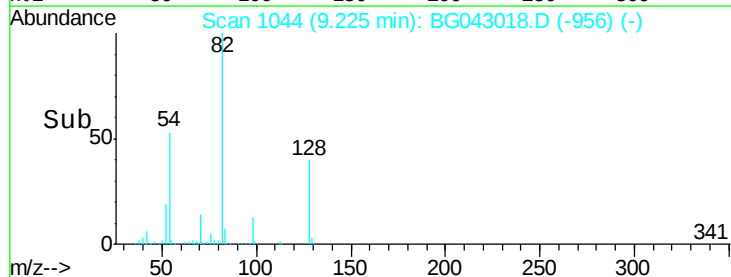
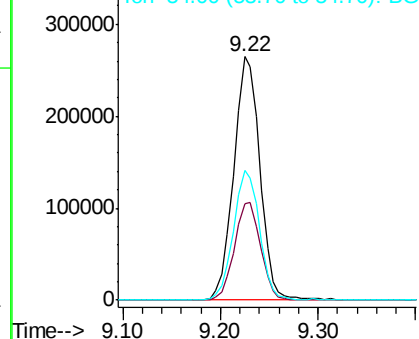


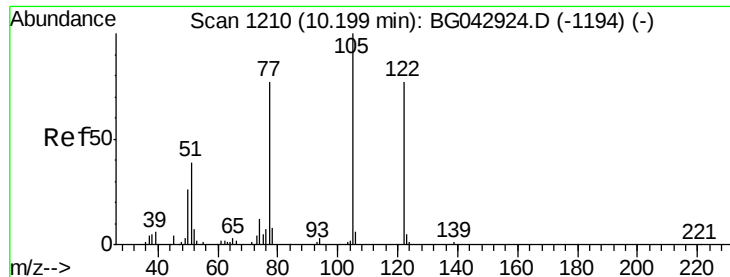
#23
Nitrobenzene-d5
Concen: 88.158 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Tgt Ion:	82	Resp:	491896
Ion	Ratio	Lower	Upper
82	100		
128	39.6	29.5	44.3
54	53.0	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

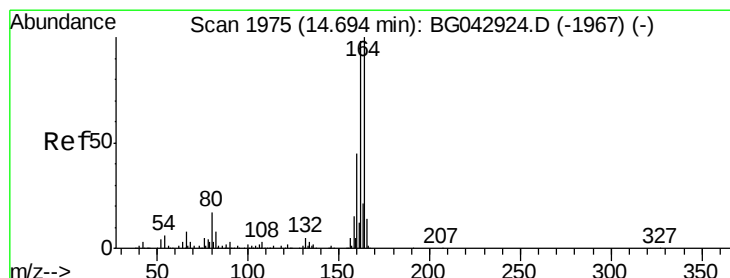
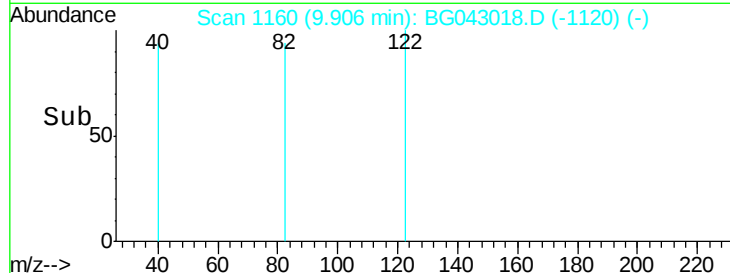
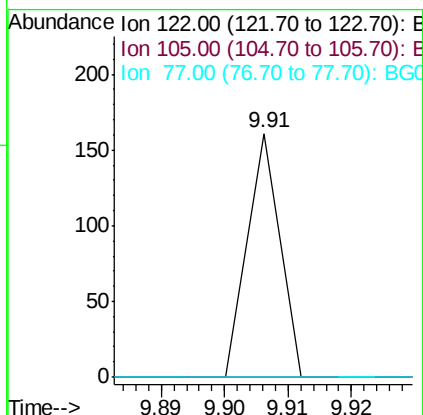
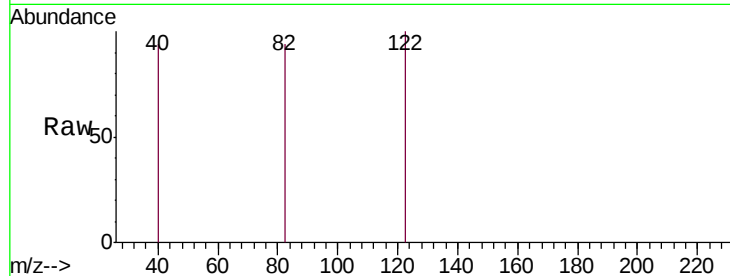




#32
Benzoic acid
Concen: 2.821 ng
RT: 9.91 min Scan# 1160
Delta R.T. -0.29 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

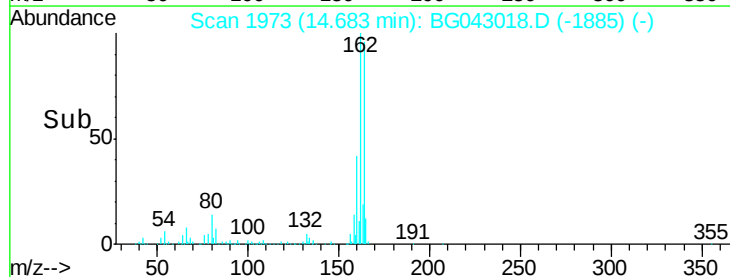
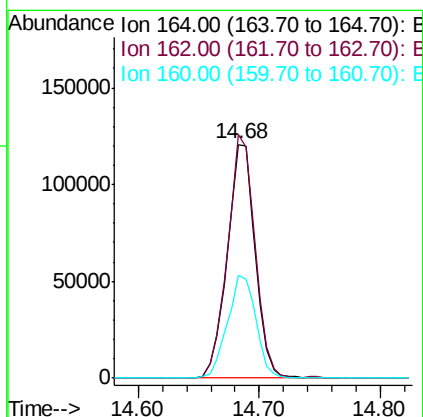
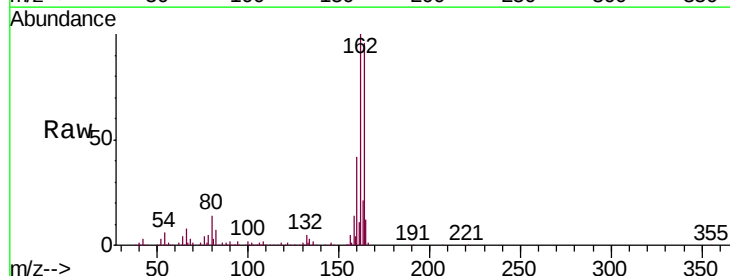
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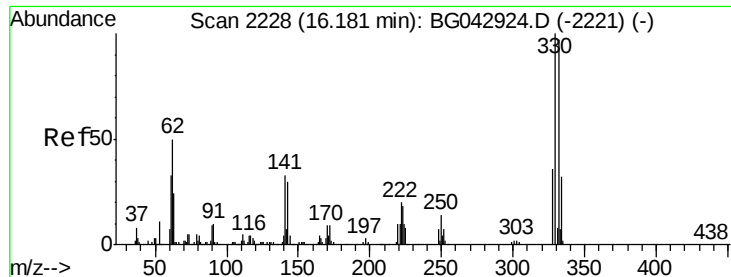
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 107.5 147.5#
77 0.0 79.8 119.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Tgt Ion:164 Resp: 193500
Ion Ratio Lower Upper
164 100
162 104.3 78.5 117.7
160 44.0 35.9 53.9

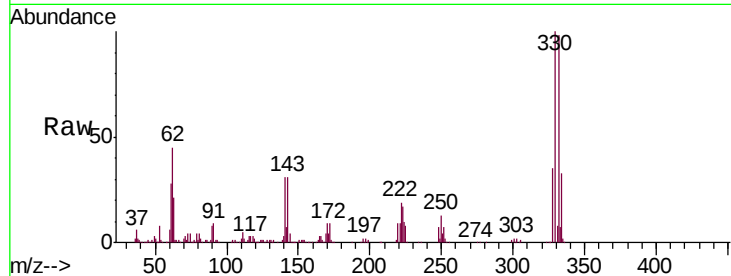




#42
 2,4,6-Tribromophenol
 Concen: 130.935 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG043018.D
 Acq: 3 Oct 2019 19:05

Instrument :
 BNA_G
 ClientSampleId :
 2019070-SS-COMPOSITE-10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.2	117.2
141	29.8	26.0	39.0

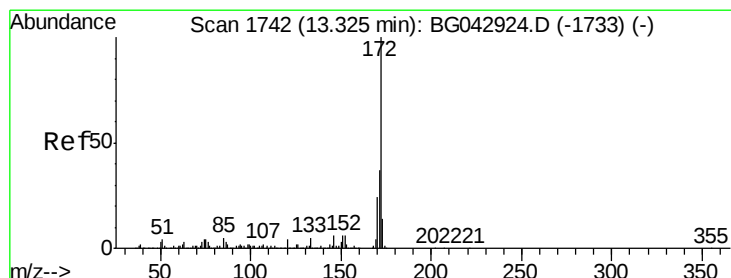
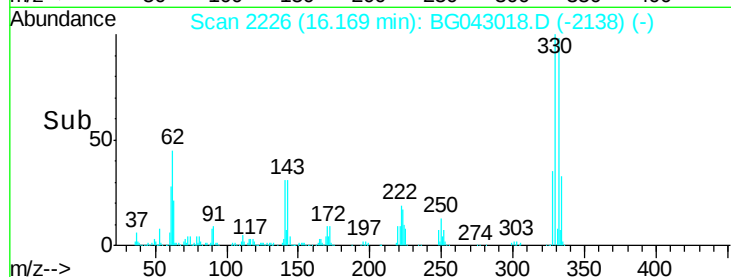
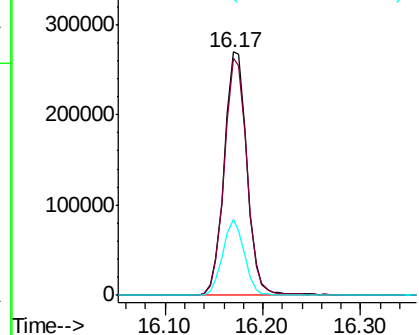


Abundance

Ion 329.80 (329.50 to 330.50): E

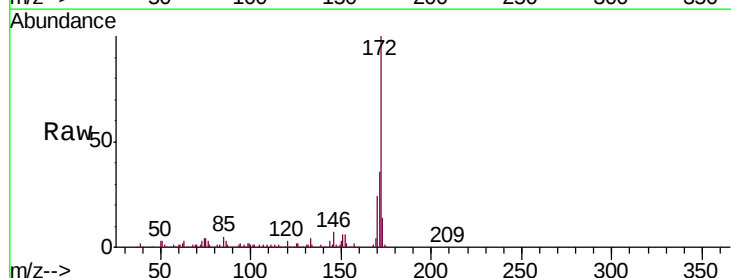
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.877 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG043018.D
 Acq: 3 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.1	19.6	29.4

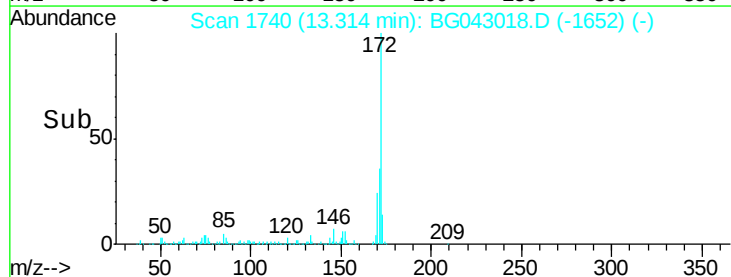
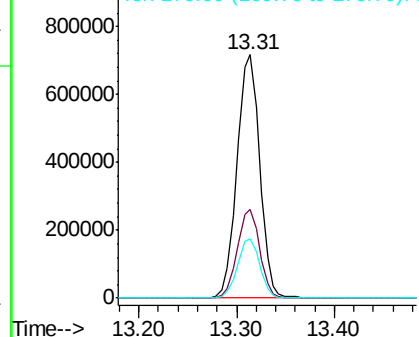


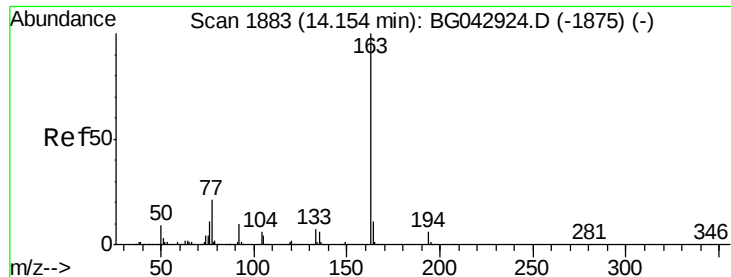
Abundance

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





#50

Dimethylphthalate

Concen: 12.895 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

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2019070-SS-COMPOSITE-10

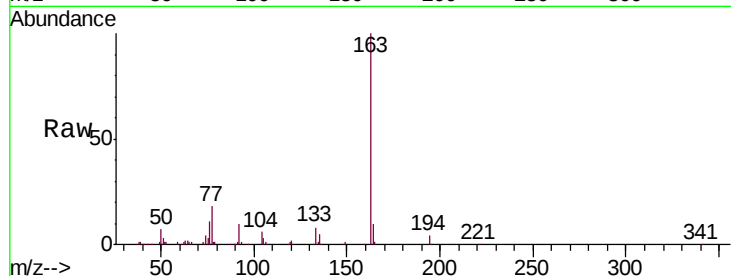
Tgt Ion:163 Resp: 186962

Ion Ratio Lower Upper

163 100

194 4.2 4.4 6.6#

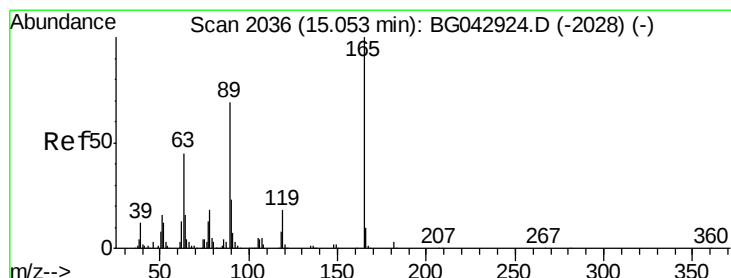
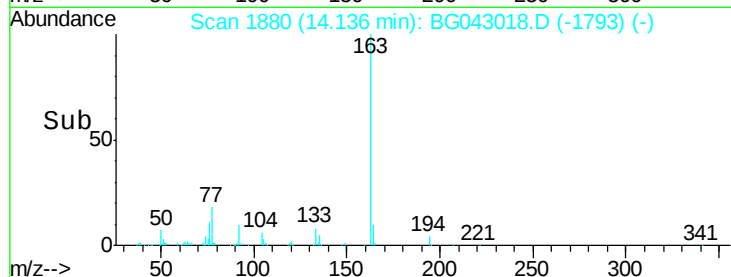
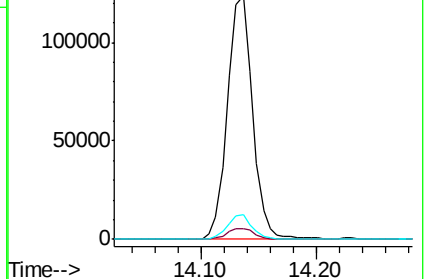
164 10.4 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.649 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.36 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Tgt Ion:165 Resp: 25543

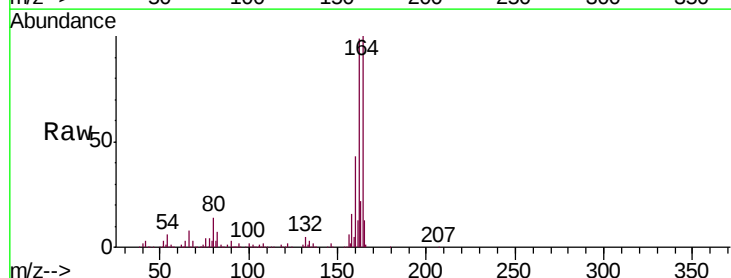
Ion Ratio Lower Upper

165 100

63 2.8 36.5 54.7#

89 0.0 55.5 83.3#

182 0.0 2.4 3.6#

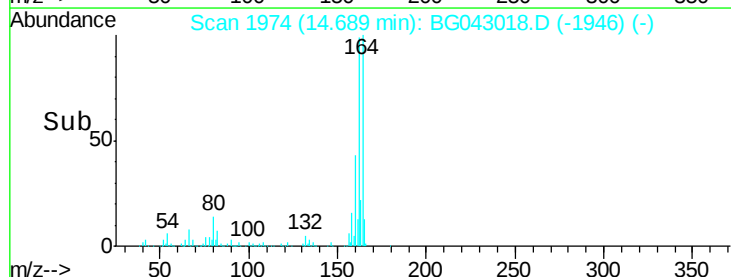
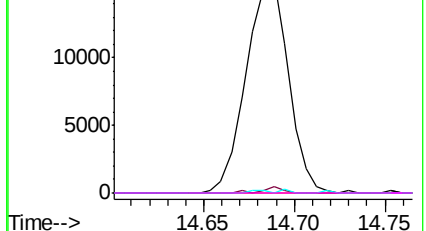


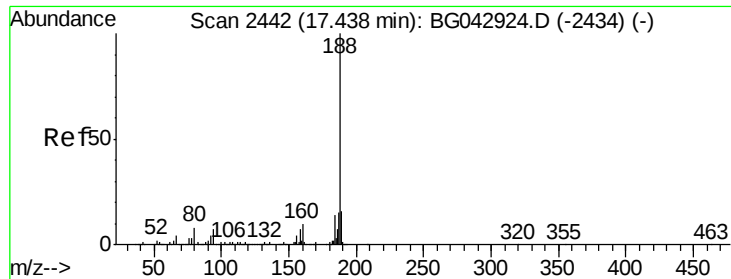
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Instrument :

BNA_G

ClientSampleId :

2019070-SS-COMPOSITE-10

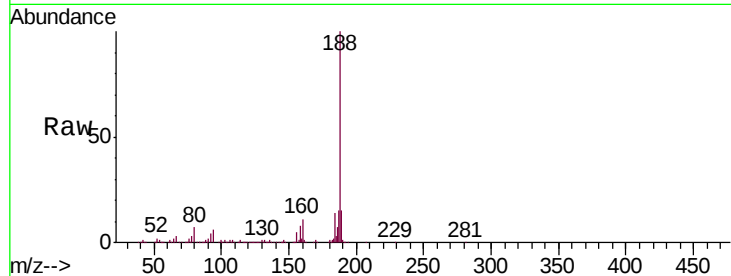
Tgt Ion:188 Resp: 434597

Ion Ratio Lower Upper

188 100

94 6.3 5.7 8.5

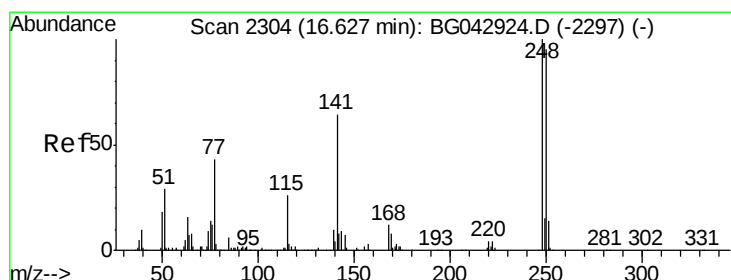
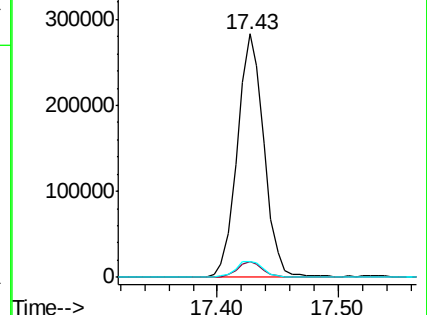
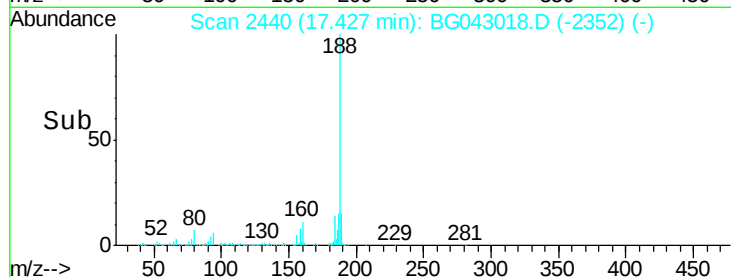
80 6.5 6.5 9.7



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: 5.357 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

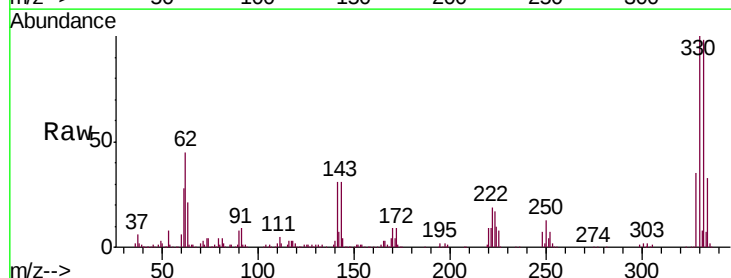
Tgt Ion:248 Resp: 29222

Ion Ratio Lower Upper

248 100

250 184.7 75.8 113.8#

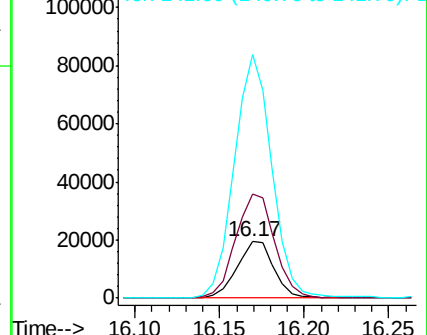
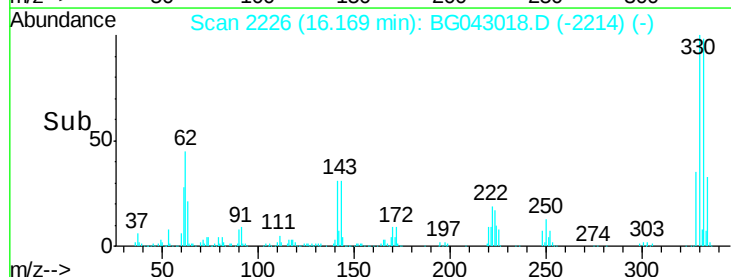
141 431.9 51.1 76.7#

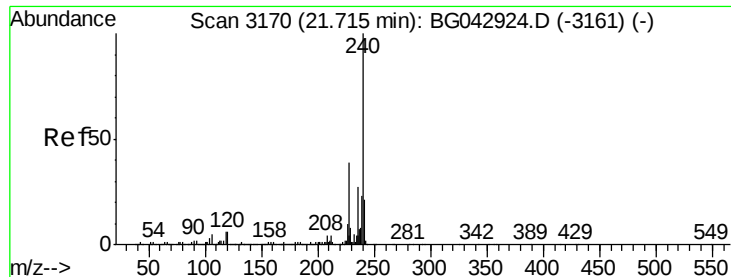


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

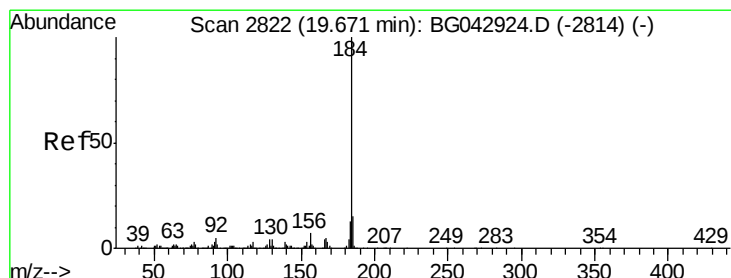
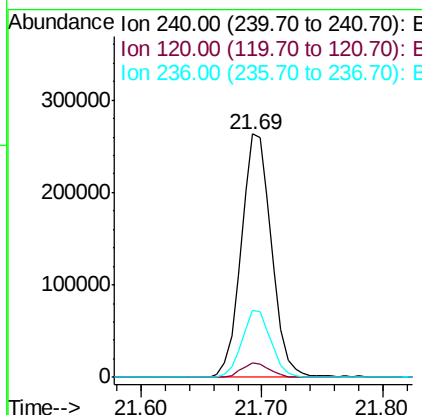
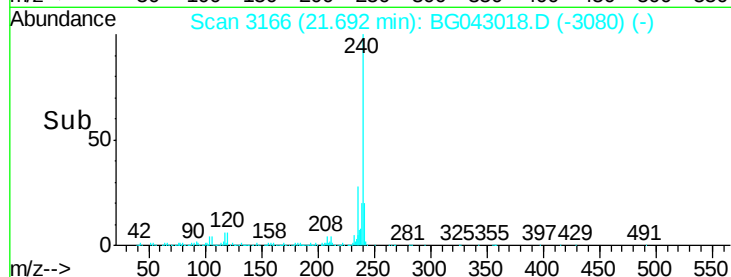
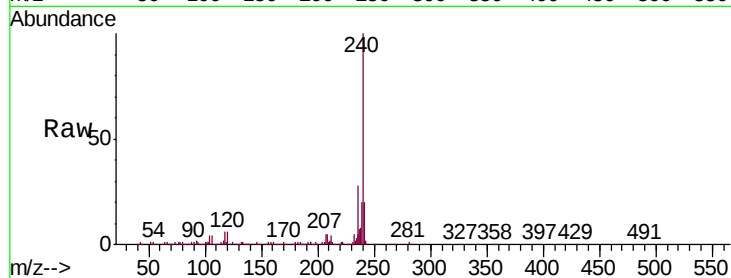




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.02 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

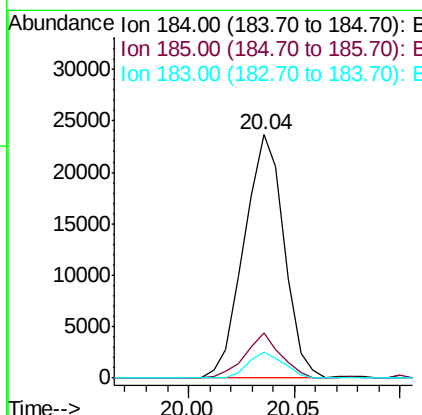
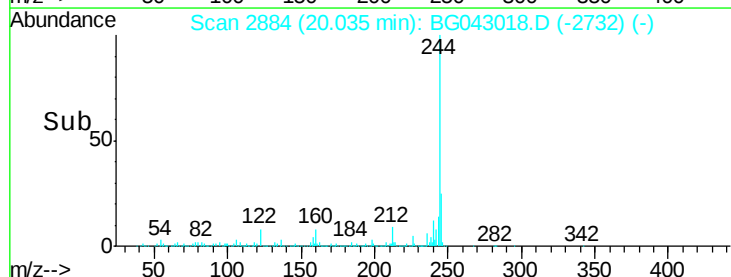
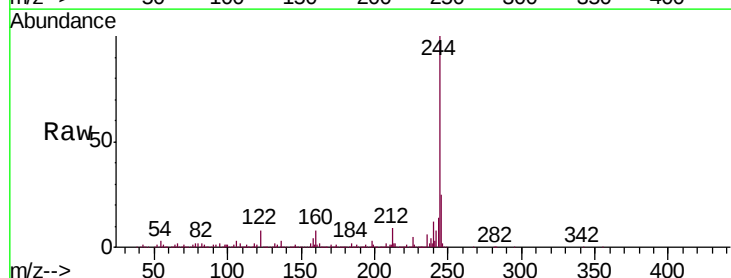
Instrument :
BNA_G
ClientSampleId :
2019070-SS-COMPOSITE-10

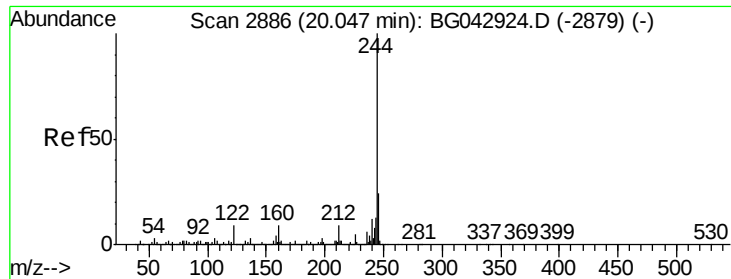
Tgt Ion:240 Resp: 460238
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 27.7 21.4 32.0



#77
Benzidine
Concen: 2.707 ng
RT: 20.04 min Scan# 2884
Delta R.T. 0.36 min
Lab File: BG043018.D
Acq: 3 Oct 2019 19:05

Tgt Ion:184 Resp: 31197
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.8#
183 10.8 10.1 15.1





#79

Terphenyl-d14

Concen: 89.819 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

Instrument :

BNA_G

ClientSampleId :

2019070-SS-COMPOSITE-10

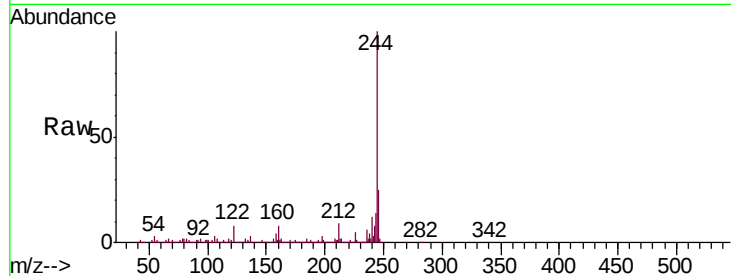
Tgt Ion:244 Resp: 1939955

Ion Ratio Lower Upper

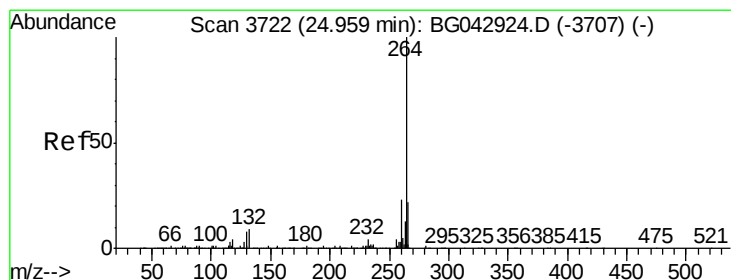
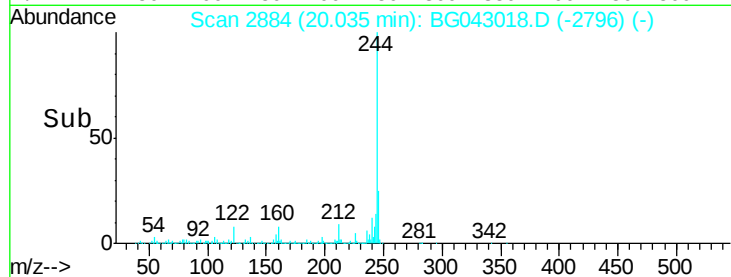
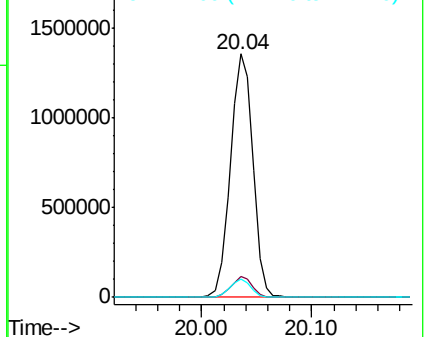
244 100

212 8.6 7.4 11.0

122 7.7 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: 24.92 min Scan# 3715

Delta R.T. -0.04 min

Lab File: BG043018.D

Acq: 3 Oct 2019 19:05

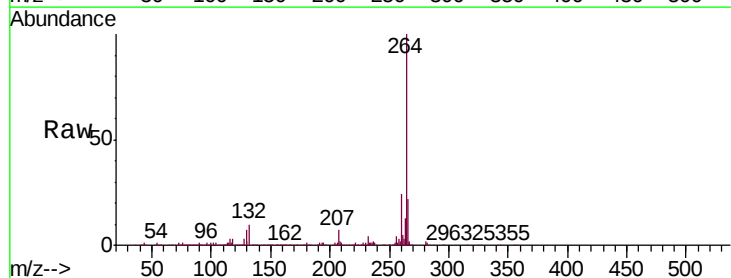
Tgt Ion:264 Resp: 539259

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 22.3 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

