

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100219\
 Data File : BG043006.D
 Acq On : 3 Oct 2019 5:21
 Operator : JU
 Sample : K5131-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20190833-COMPOSITE-I

Quant Time: Oct 03 06:04:26 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

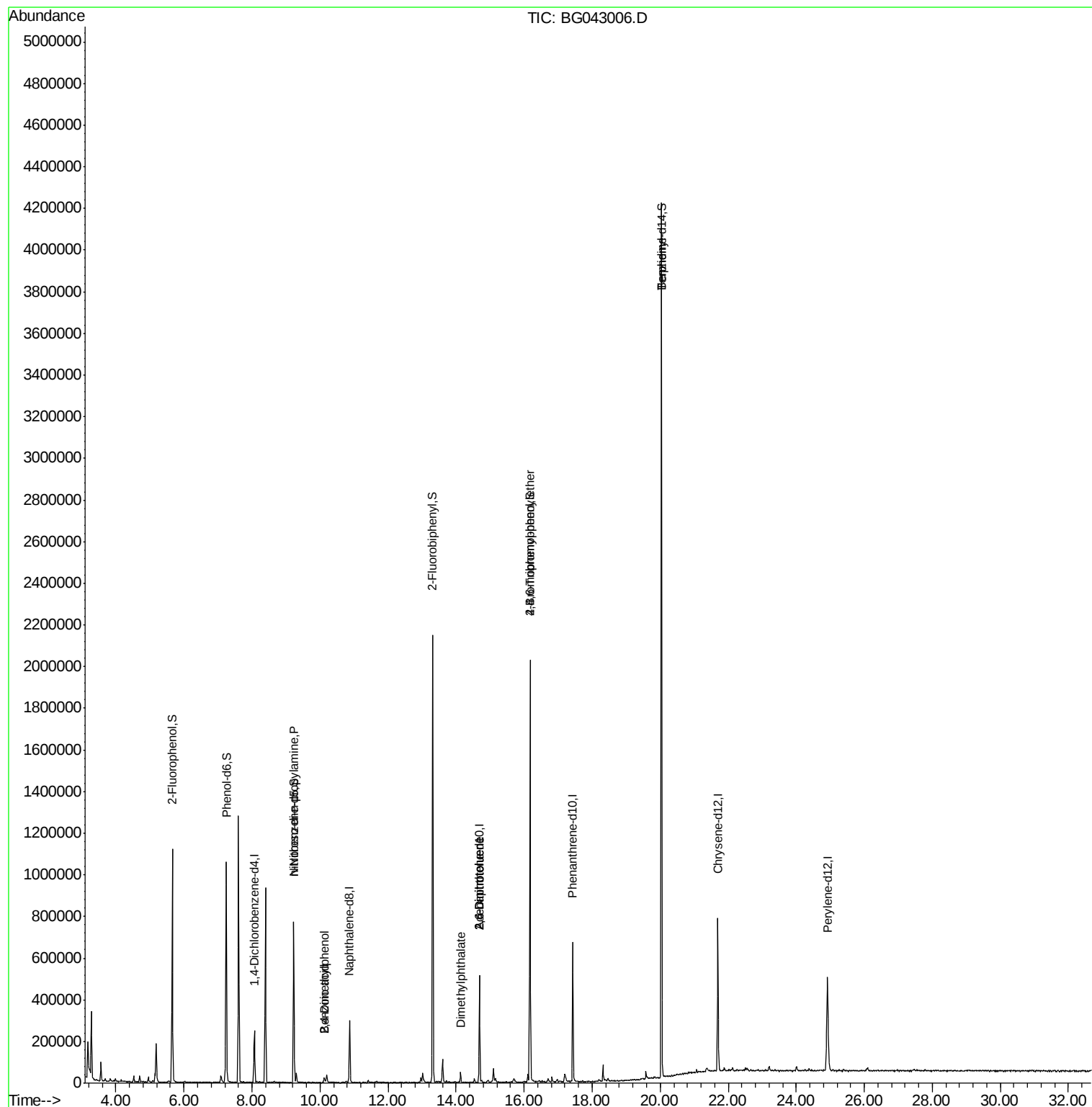
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	70981	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	253452	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	182588	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	423182	20.00	ng	0.00
76) Chrysene-d12	21.70	240	455343	20.00	ng	-0.02
87) Perylene-d12	24.92	264	521016	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	457787	115.10	ng	0.00
7) Phenol-d6	7.24	99	597314	104.29	ng	0.00
23) Nitrobenzene-d5	9.23	82	479610	91.98	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	442880	141.06	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1150497	91.35	ng	-0.01
79) Terphenyl-d14	20.04	244	2023178	94.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	69284	18.422	ng	# 71
27) 2,4-Dimethylphenol	10.12	122	10841	3.334	ng	# 1
32) Benzoic acid	10.12	122	10841	7.414	ng	# 81
50) Dimethylphthalate	14.13	163	33122	2.421	ng	# 97
51) 2,6-Dinitrotoluene	14.69	165	23539	8.080	ng	# 22
57) 2,4-Dinitrotoluene	14.69	165	23539	5.517	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	29408	5.537	ng	# 1
77) Benzidine	20.04	184	33409	2.930	ng	95

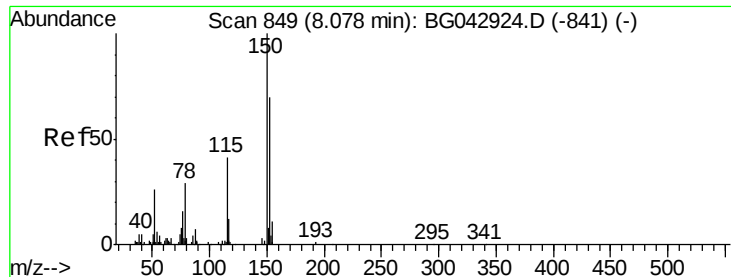
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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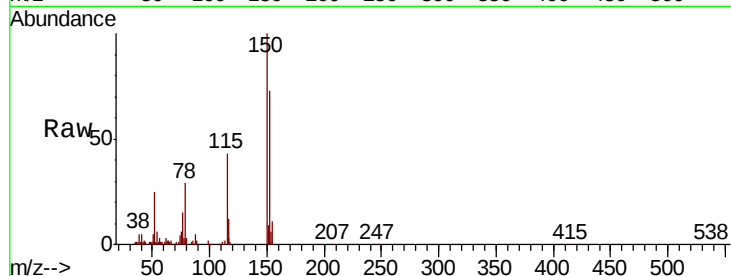


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BG043006.D
 Acq: 3 Oct 2019 5:21

Instrument :
 BNA_G
 ClientSampleId :
 20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.4	115.0	172.4
115	58.9	47.0	70.6

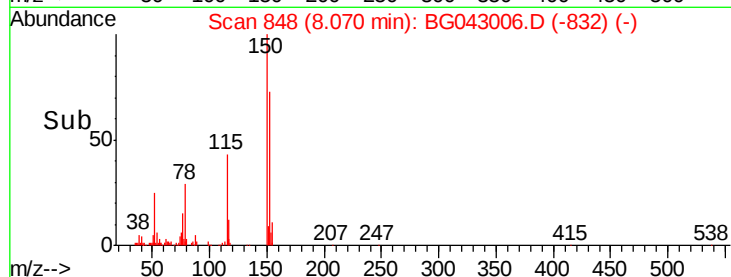
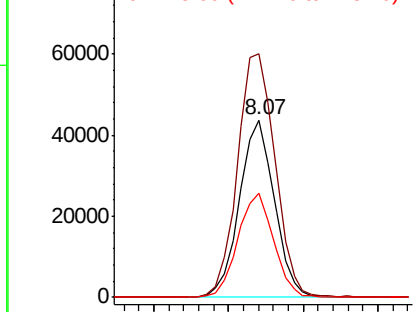


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

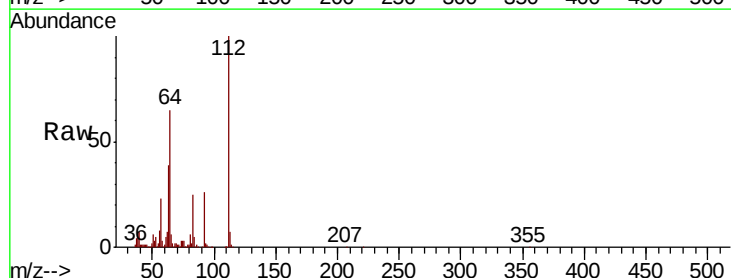
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 115.098 ng
 RT: 5.66 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BG043006.D
 Acq: 3 Oct 2019 5:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	56.6	84.8
63	38.7	35.1	52.7

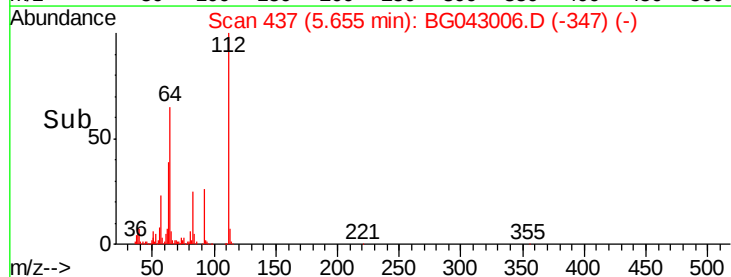
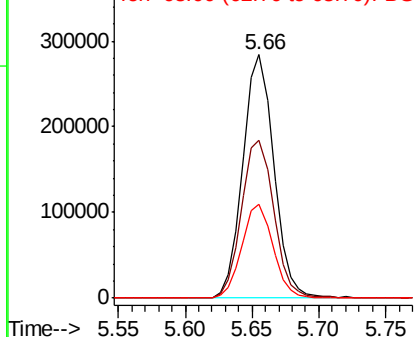


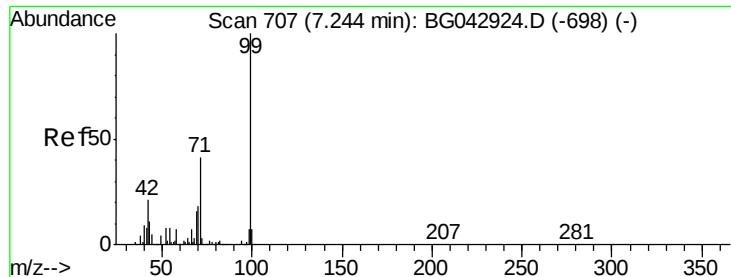
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 104.286 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA_G

ClientSampleId :

20190833-COMPOSITE-I

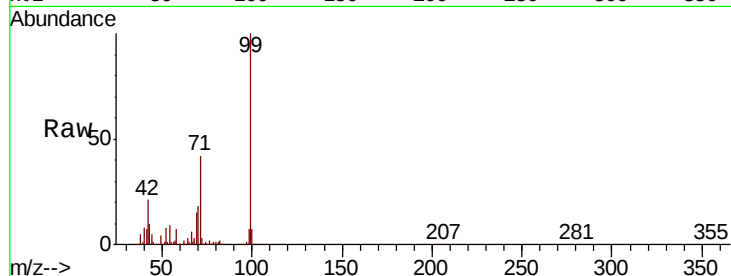
Tot Ion: 99 Resp: 597314

Ion Ratio Lower Upper

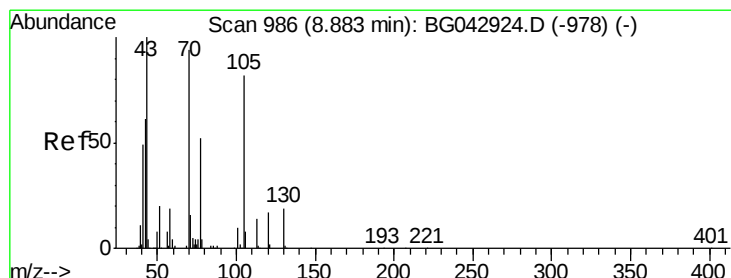
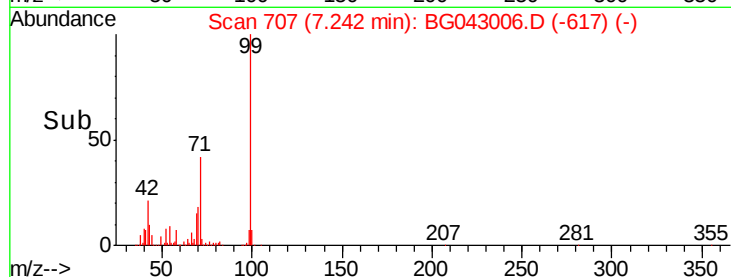
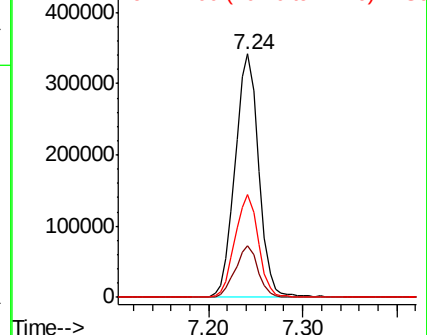
99 100

42 21.1 17.2 25.8

71 42.0 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: 18.422 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Tgt Ion: 70 Resp: 69284

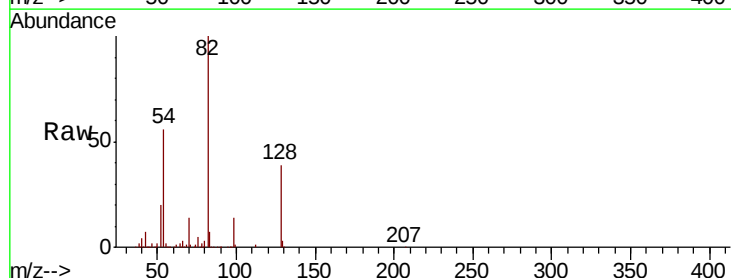
Ion Ratio Lower Upper

70 100

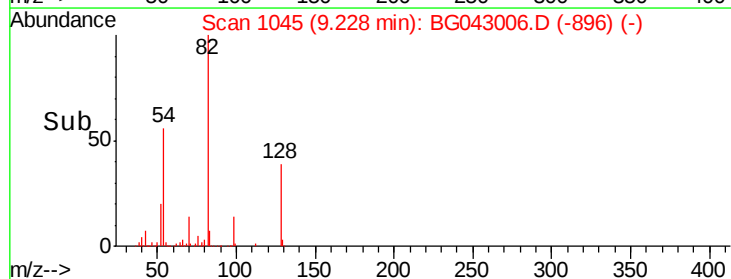
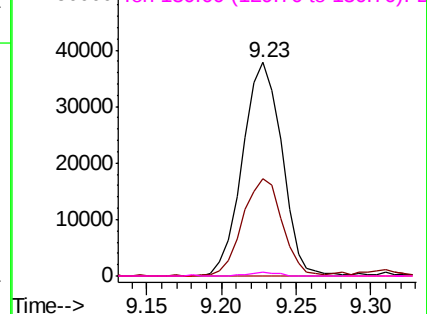
42 45.3 52.6 79.0#

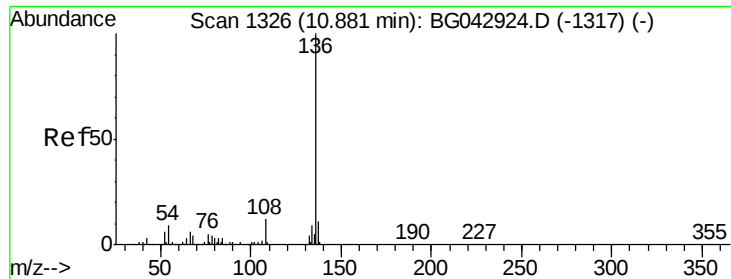
101 0.0 8.7 13.1#

130 1.5 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

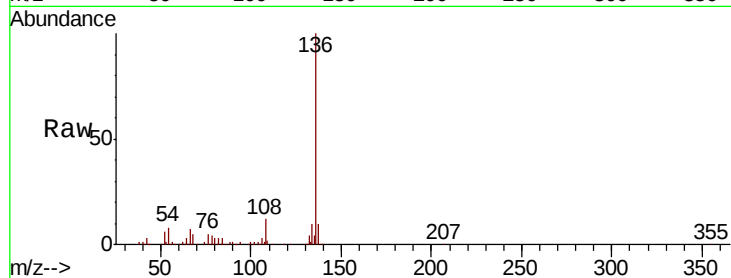




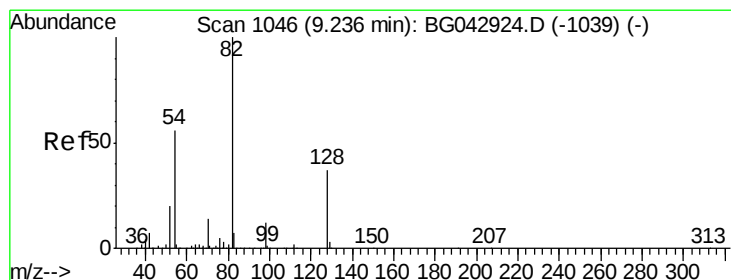
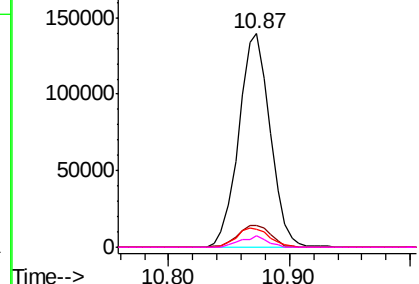
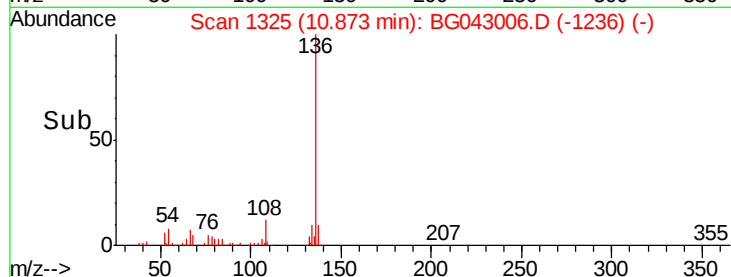
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

Instrument :
BNA_G
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion:136	Resp:	253452
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	8.3	7.4 11.2
68	5.3	3.6 5.4

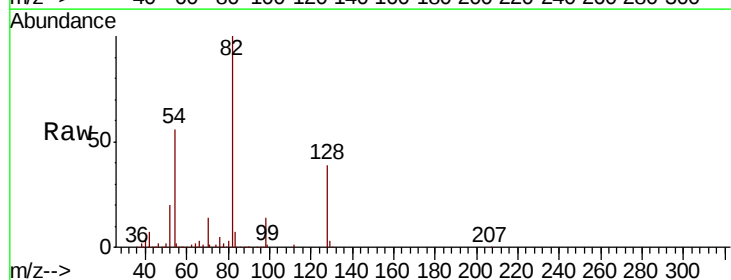


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

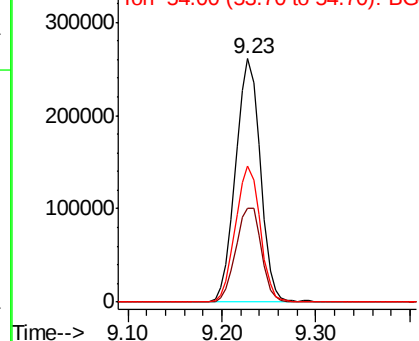
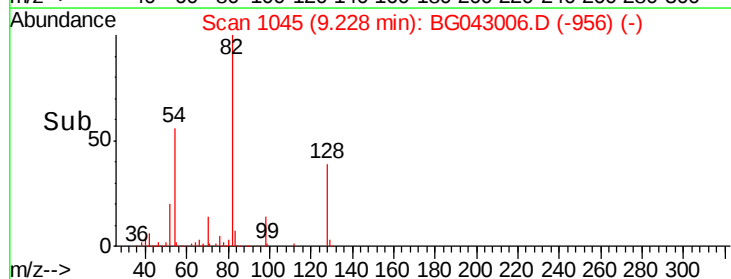


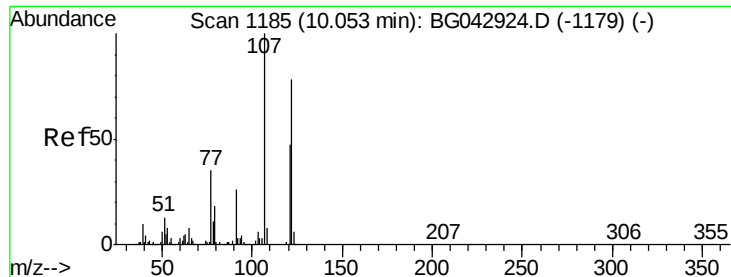
#23
Nitrobenzene-d5
Concen: 91.976 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

Tgt Ion: 82	Resp:	479610
Ion Ratio	Lower	Upper
82	100	
128	38.7	29.5 44.3
54	55.7	44.6 67.0



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

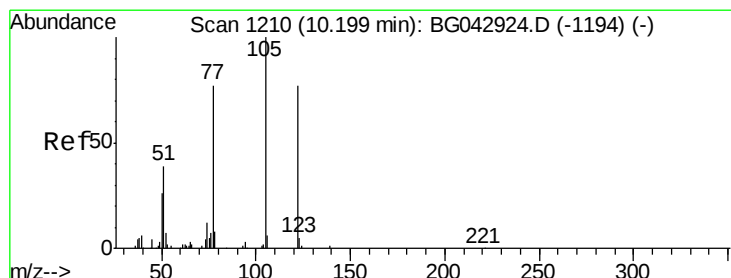
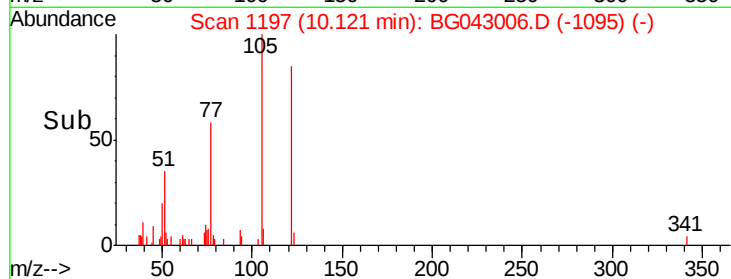
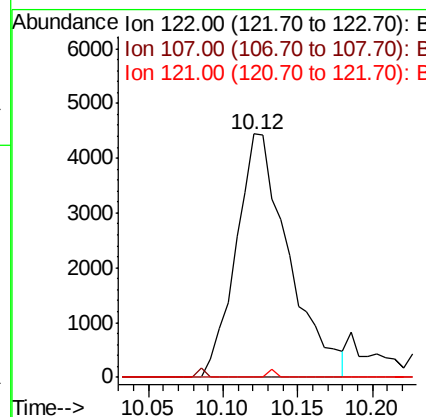
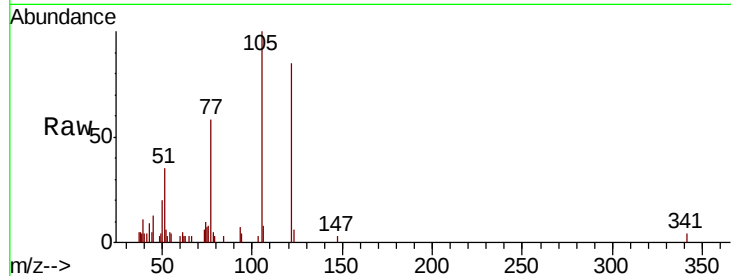




#27
2,4-Dimethylphenol
Concen: 3.334 ng
RT: 10.12 min Scan# 1197
Delta R.T. 0.07 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

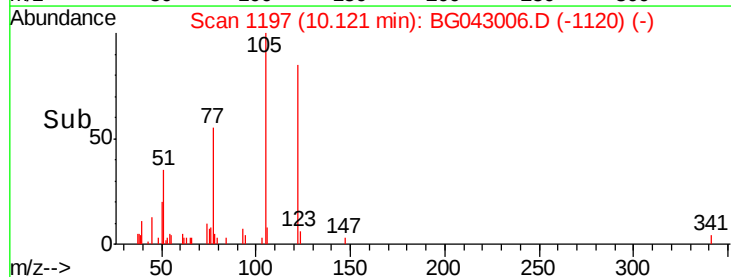
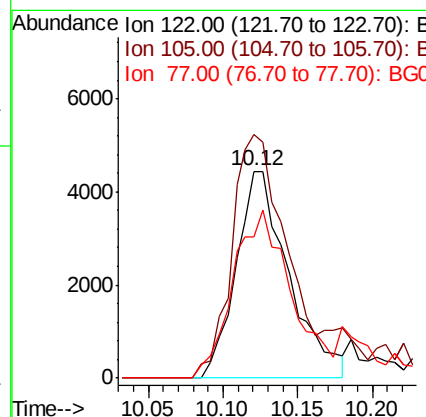
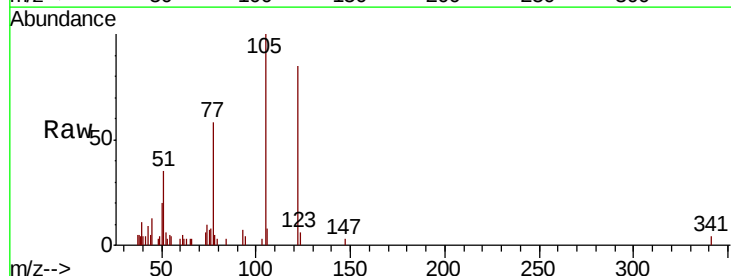
Instrument :
BNA_G
ClientSampleId :
20190833-COMPOSITE-I

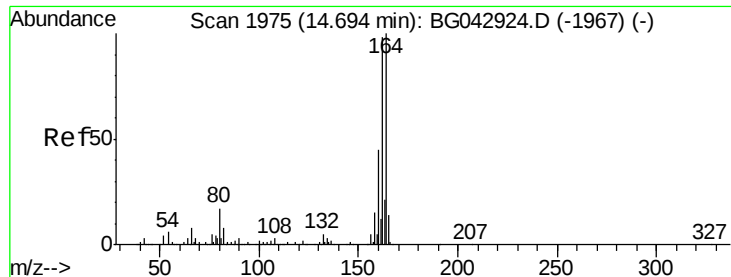
Tot Ion	Ratio	Lower	Upper
122	100		
107	0.0	102.2	153.2#
121	0.0	48.5	72.7#



#32
Benzoic acid
Concen: 7.414 ng
RT: 10.12 min Scan# 1197
Delta R.T. -0.08 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.7	107.5	147.5
77	68.5	79.8	119.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA_G

ClientSampleId :

20190833-COMPOSITE-I

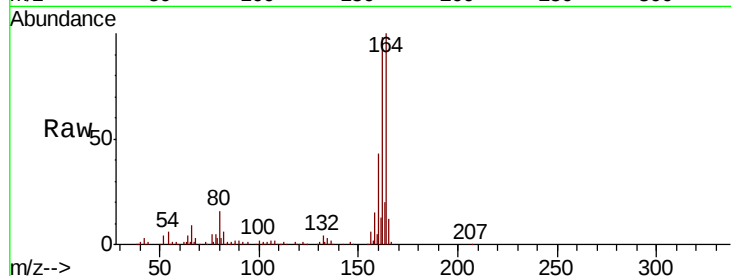
Tot Ion:164 Resp: 182588

Ion Ratio Lower Upper

164 100

162 97.6 78.5 117.7

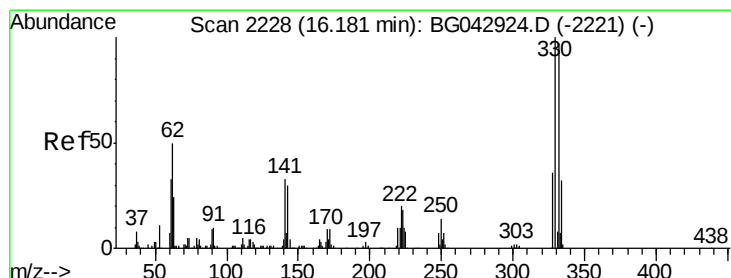
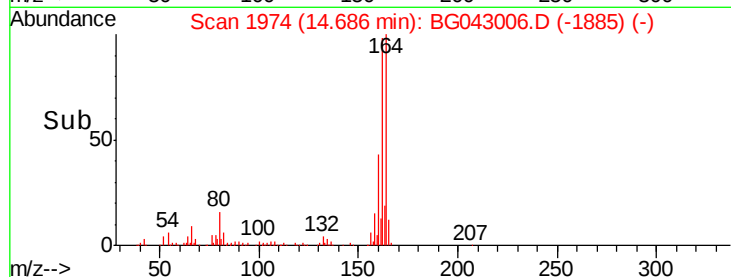
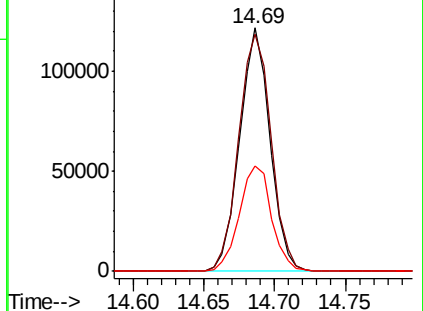
160 43.1 35.9 53.9



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: 141.057 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

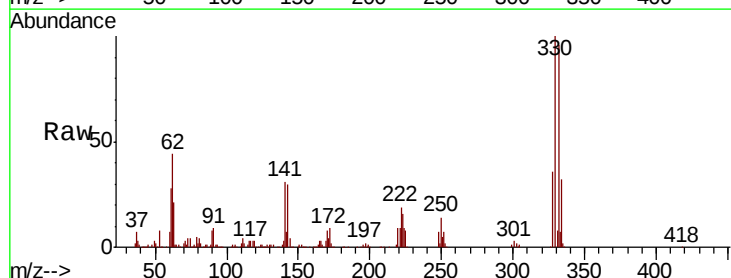
Tgt Ion:330 Resp: 442880

Ion Ratio Lower Upper

330 100

332 94.0 78.2 117.2

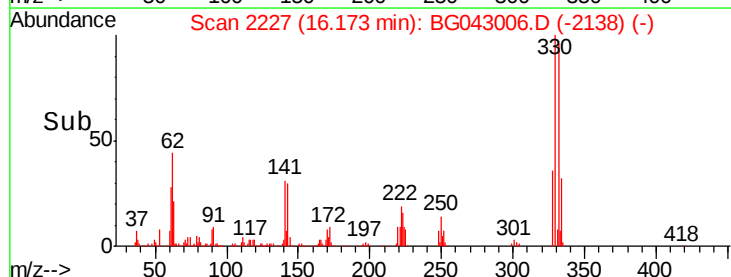
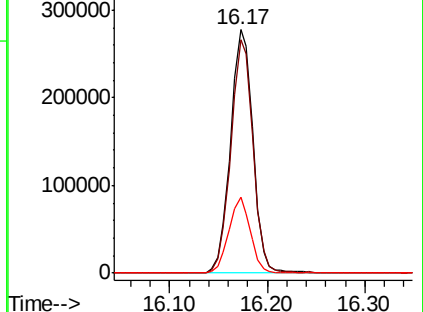
141 29.9 26.0 39.0

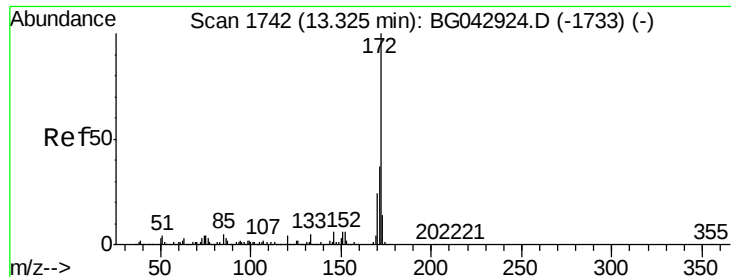


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

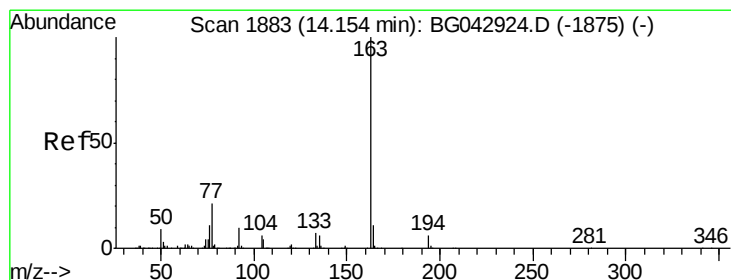
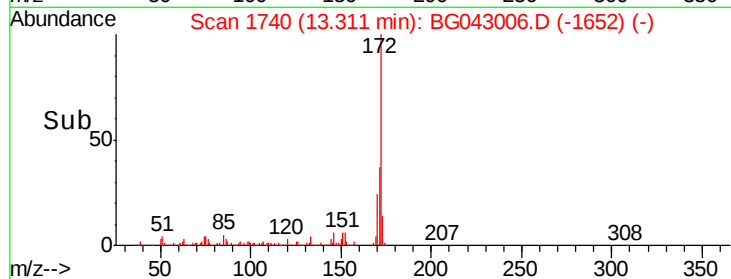
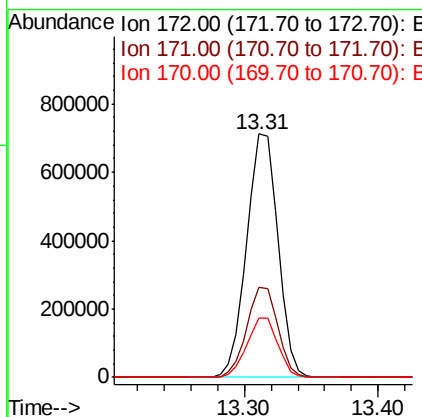
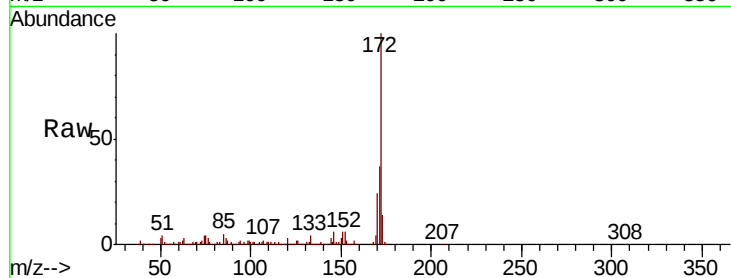




#45
2-Fluorobiphenyl
Concen: 91.346 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

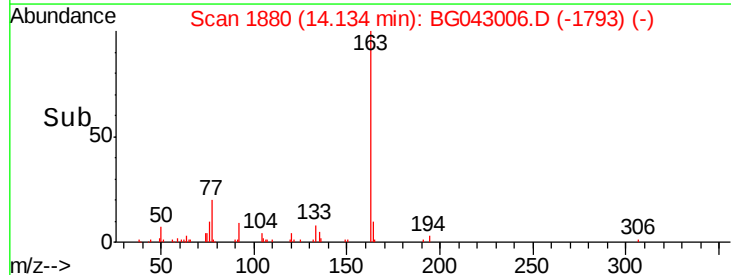
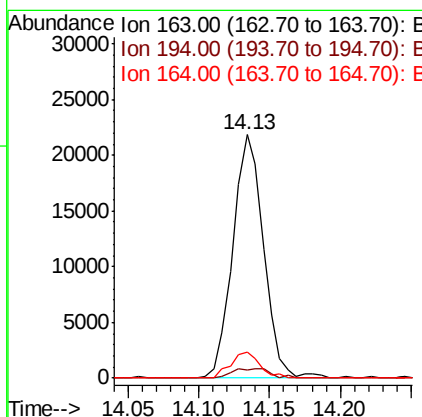
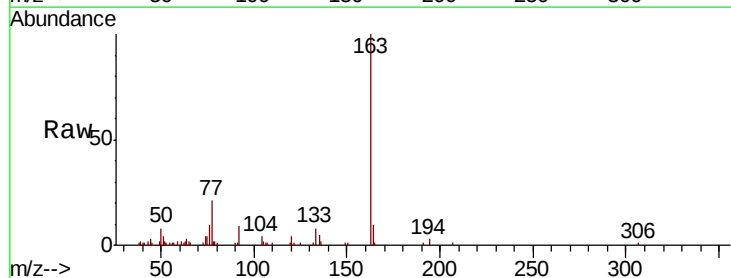
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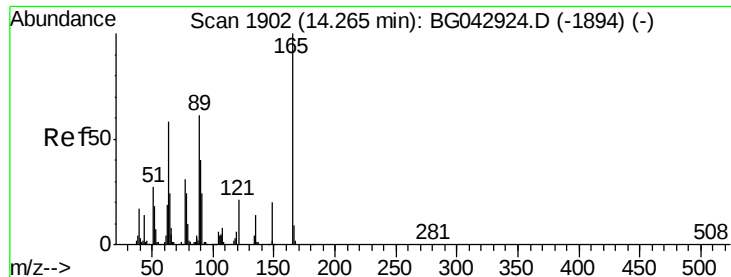
Tot Ion:172 Resp: 1150497
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.5 19.6 29.4



#50
Dimethylphthalate
Concen: 2.421 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

Tgt Ion:163 Resp: 33122
Ion Ratio Lower Upper
163 100
194 3.2 4.4 6.6#
164 10.5 8.6 12.8

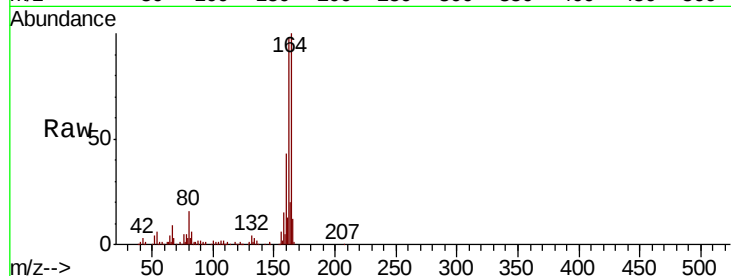




#51
 2,6-Dinitrotoluene
 Concen: 8.080 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.42 min
 Lab File: BG043006.D
 Acq: 3 Oct 2019 5:21

Instrument :
 BNA_G
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 20190833-COMPOSITE-I

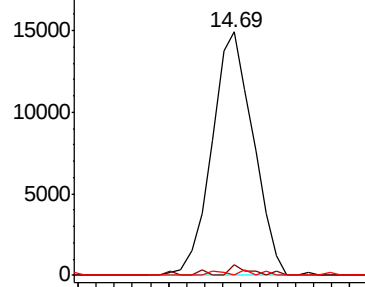
Tot Ion	Ratio	Lower	Upper
165	100		
63	4.3	50.3	75.5#
89	0.0	48.9	73.3#



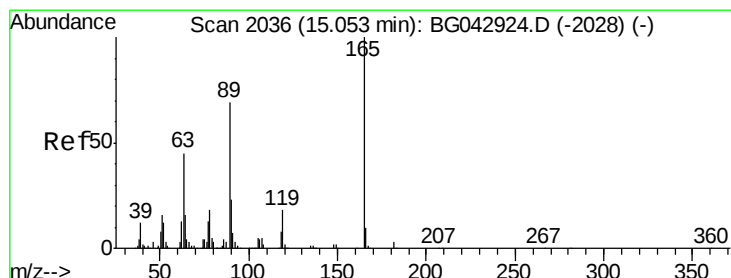
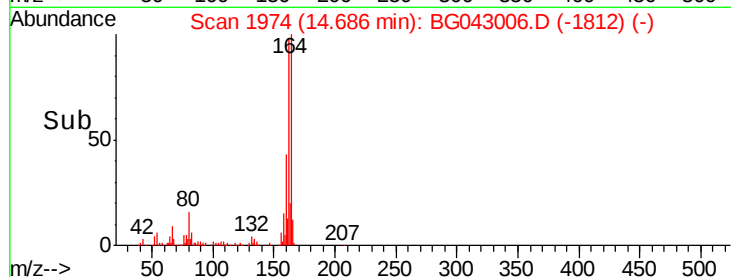
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

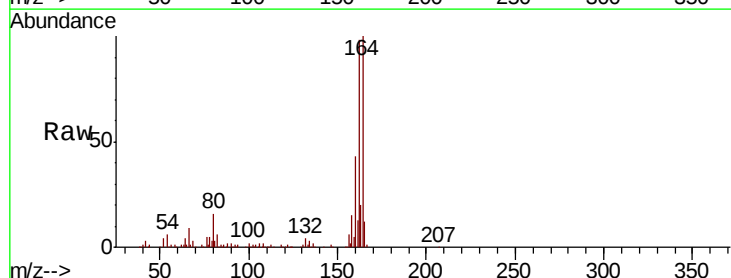


Time--> 14.60 14.65 14.70



#57
 2,4-Dinitrotoluene
 Concen: 5.517 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG043006.D
 Acq: 3 Oct 2019 5:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	4.3	36.5	54.7#
89	0.0	55.5	83.3#
182	0.0	2.4	3.6#

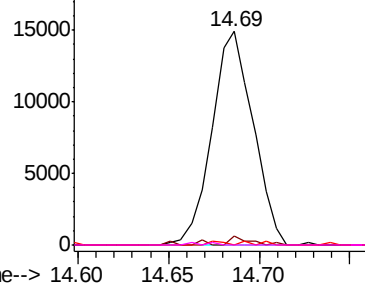


Abundance Ion 165.00 (164.70 to 165.70): E

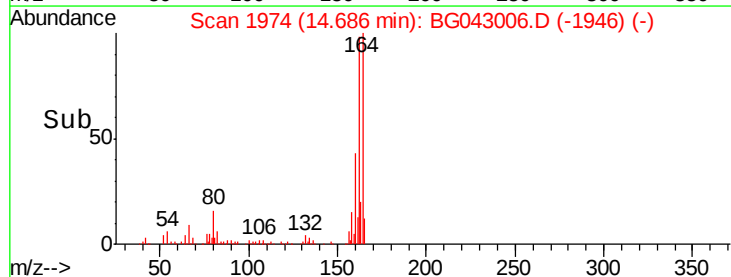
Ion 63.00 (62.70 to 63.70): BGC

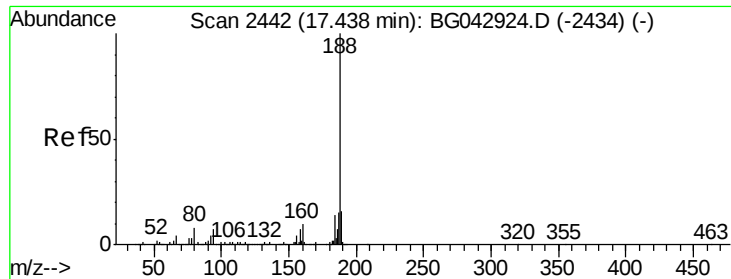
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.60 14.65 14.70





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA_G

ClientSampleId :

20190833-COMPOSITE-I

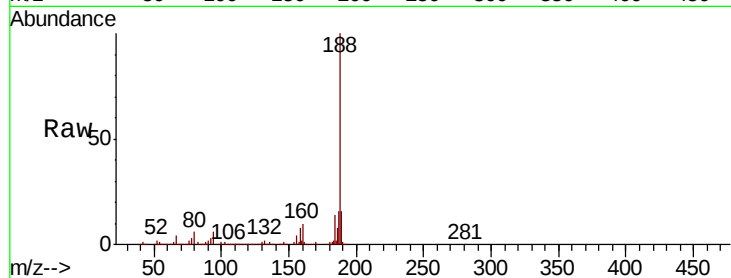
Tot Ion:188 Resp: 423182

Ion Ratio Lower Upper

188 100

94 6.0 5.7 8.5

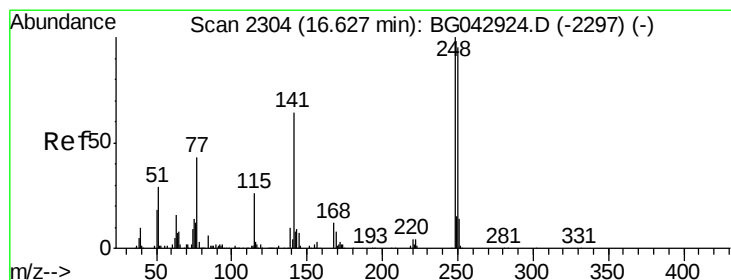
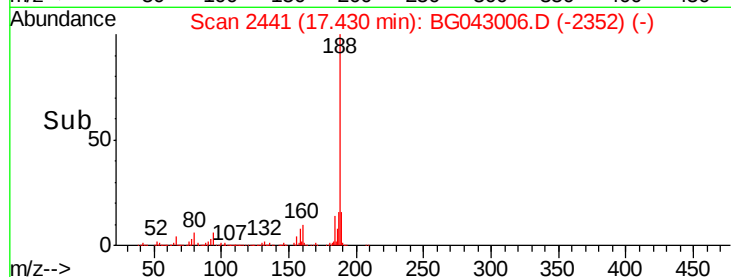
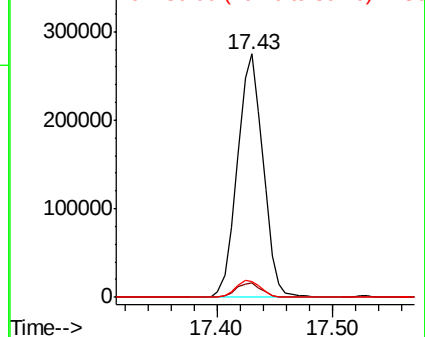
80 6.5 6.5 9.7#



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: 5.537 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

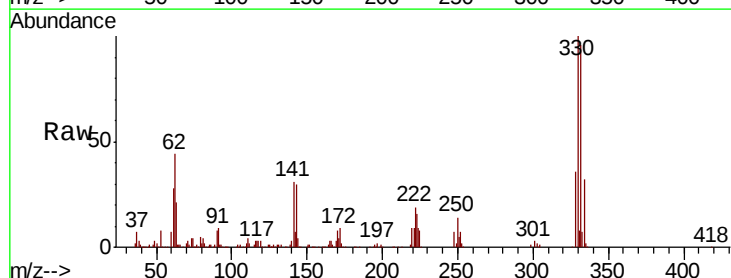
Tgt Ion:248 Resp: 29408

Ion Ratio Lower Upper

248 100

250 195.5 75.8 113.8#

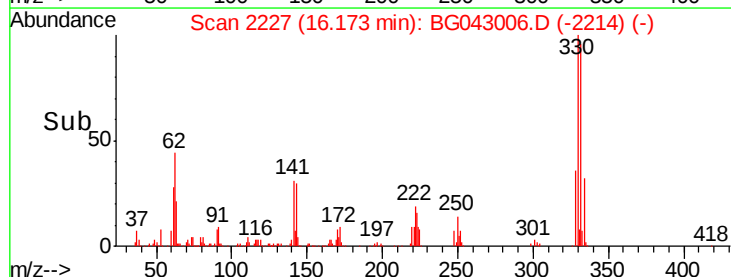
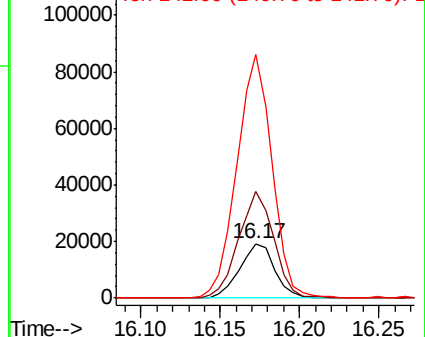
141 444.4 51.1 76.7#

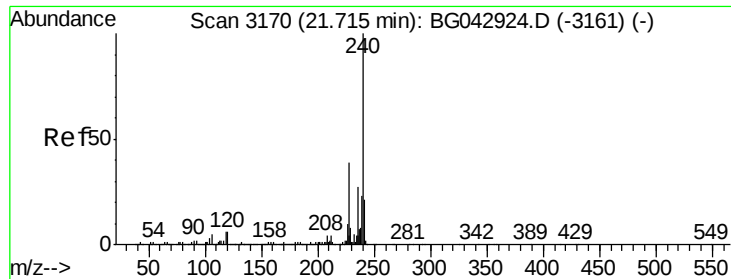


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

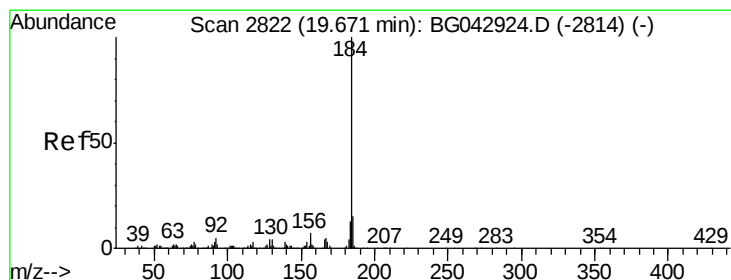
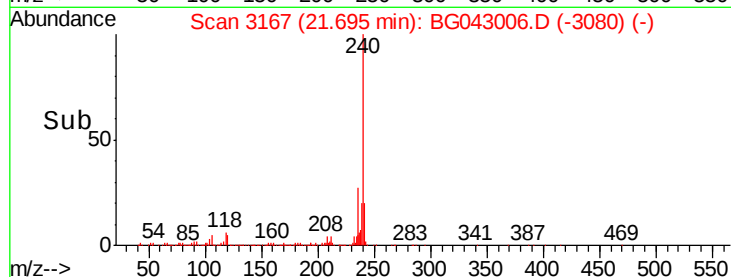
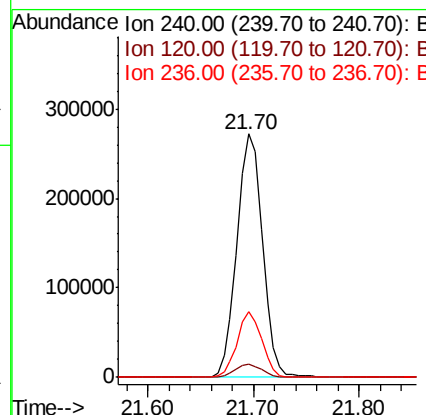
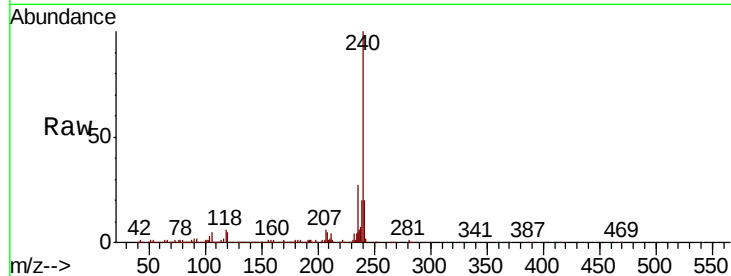




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.02 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

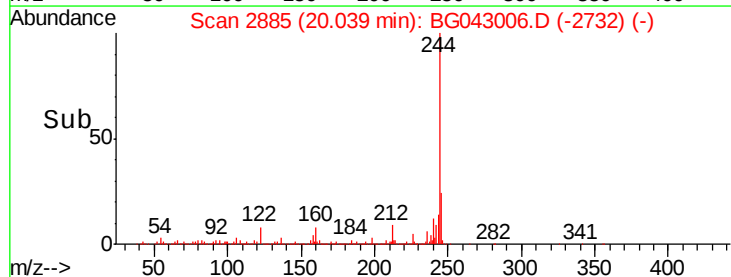
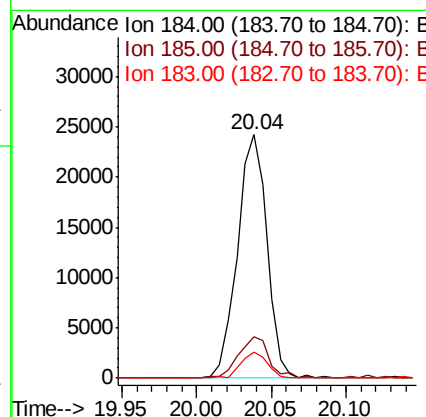
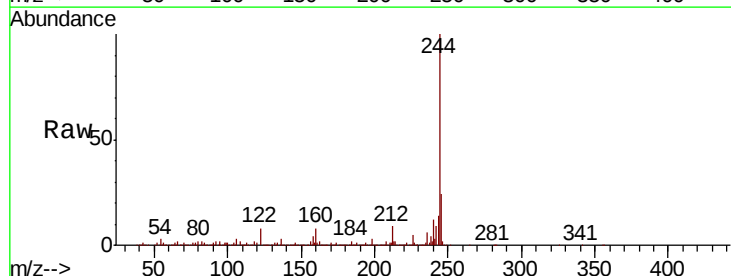
Instrument :
BNA_G
ClientSampleId :
20190833-COMPOSITE-I

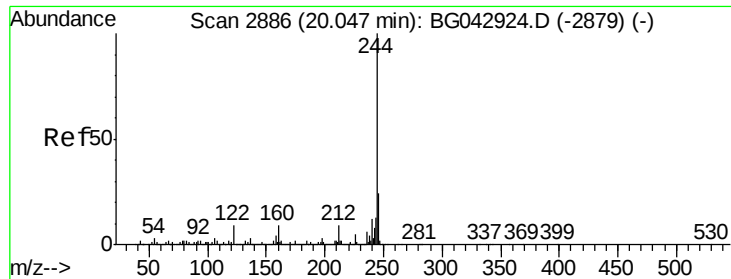
Tot Ion:240 Resp: 455343
Ion Ratio Lower Upper
240 100
120 5.4 4.8 7.2
236 27.1 21.4 32.0



#77
Benzidine
Concen: 2.930 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.37 min
Lab File: BG043006.D
Acq: 3 Oct 2019 5:21

Tgt Ion:184 Resp: 33409
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.8
183 10.8 10.1 15.1





#79

Terphenyl-d14

Concen: 94.679 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043006.D

Acq: 3 Oct 2019 5:21

Instrument :

BNA_G

ClientSampleId :

20190833-COMPOSITE-I

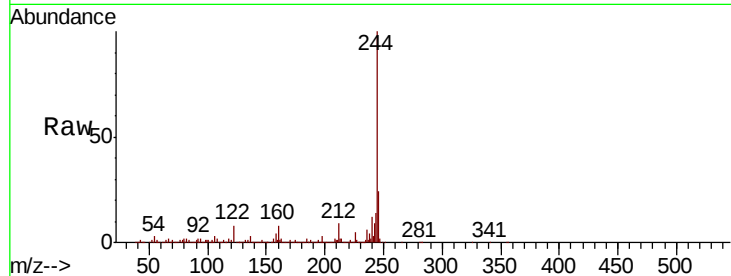
Tot Ion:244 Resp: 2023178

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.0

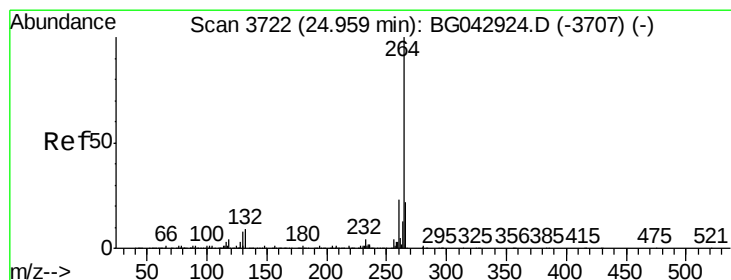
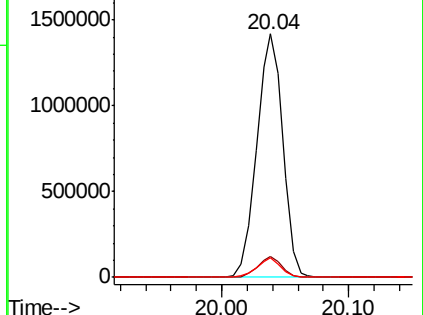
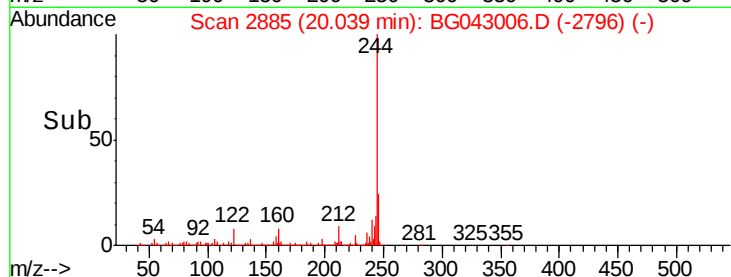
122 8.2 7.0 10.4



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: BG043006.D

Acq: 3 Oct 2019 5:21

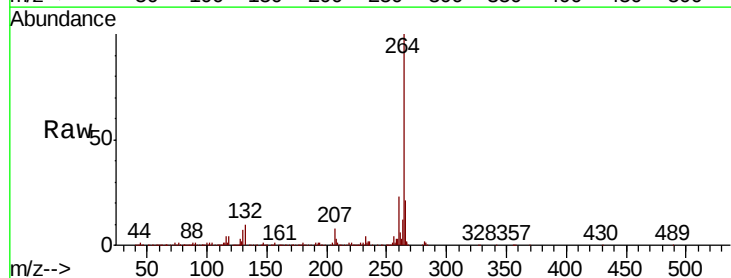
Tgt Ion:264 Resp: 521016

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

265 20.9 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

