

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100319\
 Data File : BG043022.D
 Acq On : 4 Oct 2019 3:05
 Operator : JU
 Sample : K5181-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

Quant Time: Oct 04 06:36:00 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

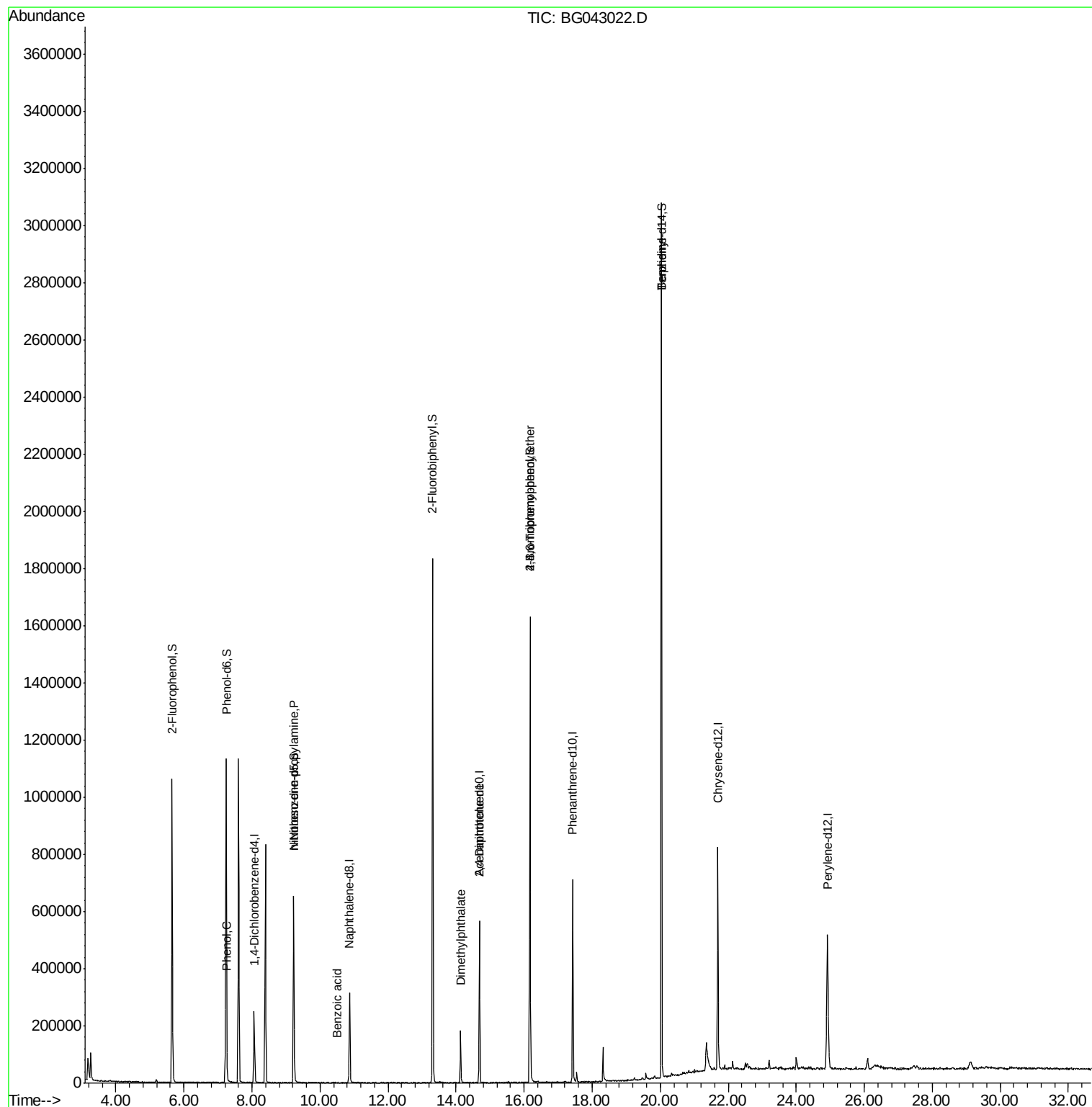
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	73370	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	279388	20.00	ng	-0.01
39) Acenaphthene-d10	14.69	164	197256	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	450502	20.00	ng	0.00
76) Chrysene-d12	21.70	240	471574	20.00	ng	-0.02
87) Perylene-d12	24.92	264	551788	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	461582	112.27	ng	0.00
7) Phenol-d6	7.24	99	669290	113.05	ng	0.00
23) Nitrobenzene-d5	9.23	82	418426	72.79	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	365124	107.64	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	975349	71.68	ng	-0.01
79) Terphenyl-d14	20.04	244	1604032	72.48	ng	0.00
Target Compounds						
10) Phenol	7.27	94	14163	2.607	ng	89
19) n-Nitroso-di-n-propylamine	9.22	70	59150	15.215	ng	# 72
32) Benzoic acid	10.51	122	53	2.819	ng	# 1
50) Dimethylphthalate	14.13	163	122226	8.270	ng	98
57) 2,4-Dinitrotoluene	14.69	165	27014	5.861	ng	# 26
67) 4-Bromophenyl-phenylether	16.17	248	25088	4.437	ng	# 1
77) Benzidine	20.04	184	24441	2.070	ng	# 93

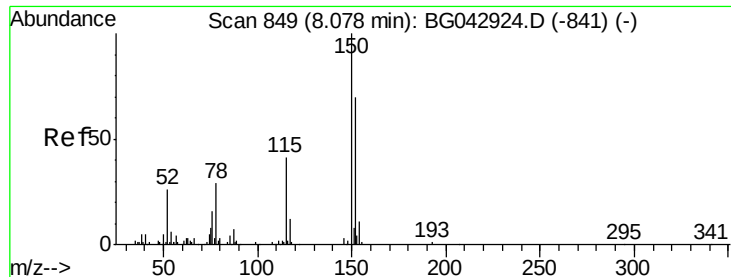
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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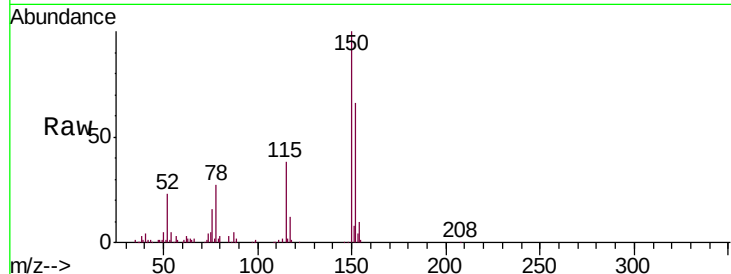


#1

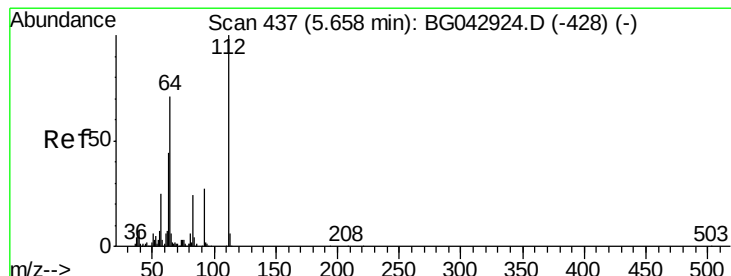
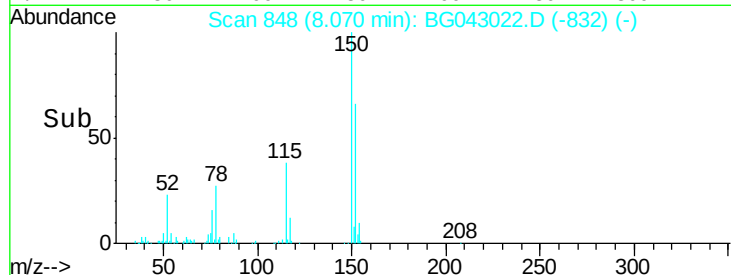
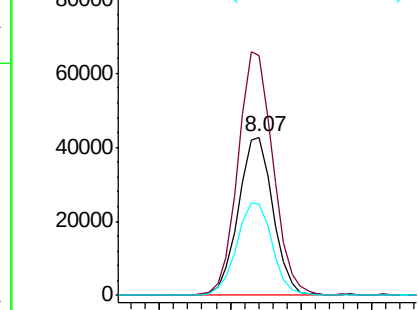
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.8	115.0	172.4
115	58.2	47.0	70.6



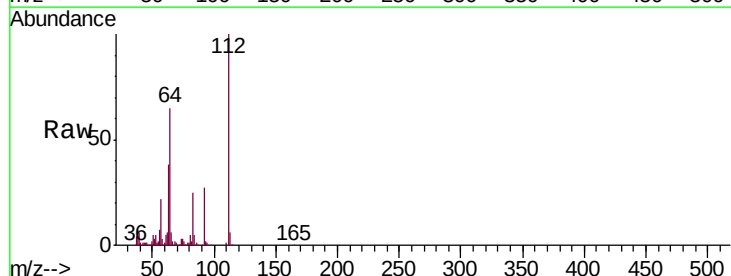
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



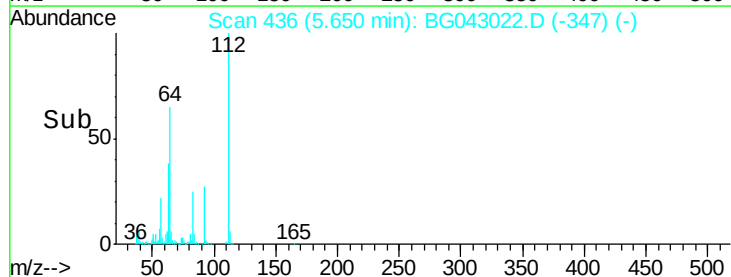
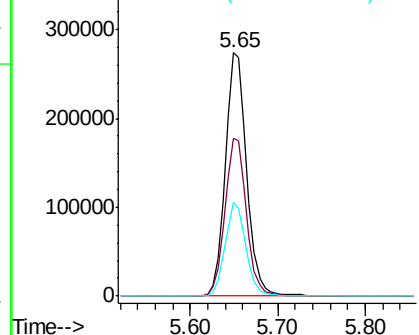
#5

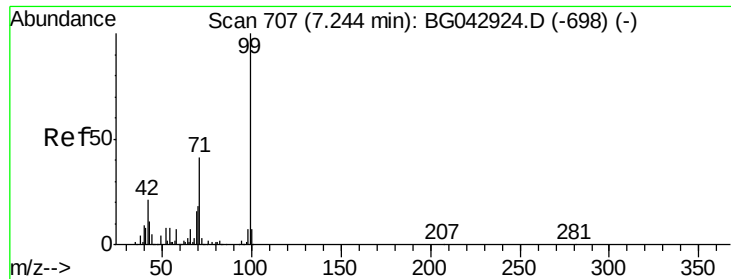
2-Fluorophenol
 Concen: 112.273 ng
 RT: 5.65 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	56.6	84.8
63	38.3	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: 113.048 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-2-ABCD

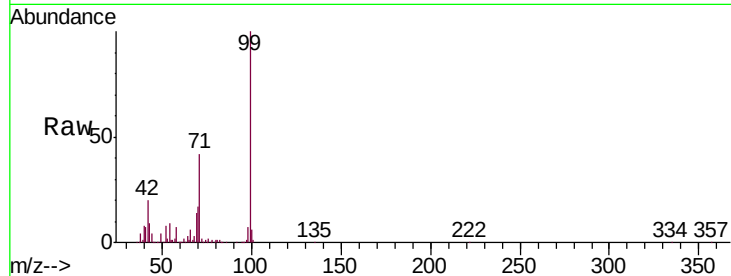
Tgt Ion: 99 Resp: 669290

Ion Ratio Lower Upper

99 100

42 20.2 17.2 25.8

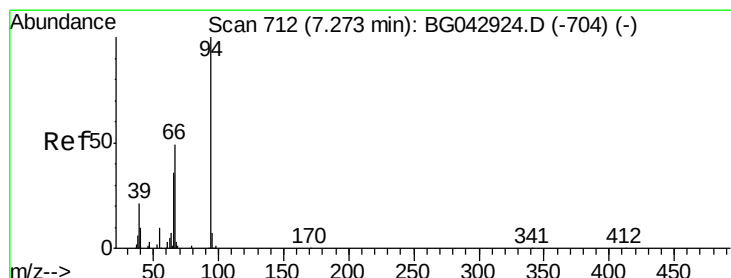
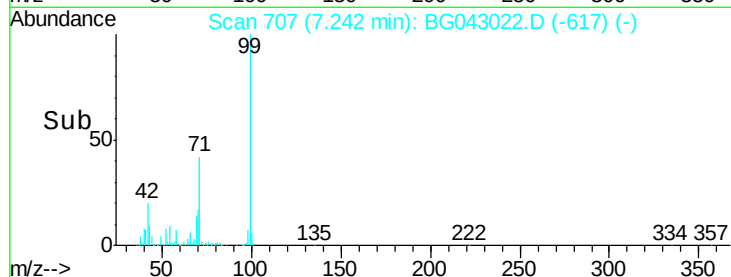
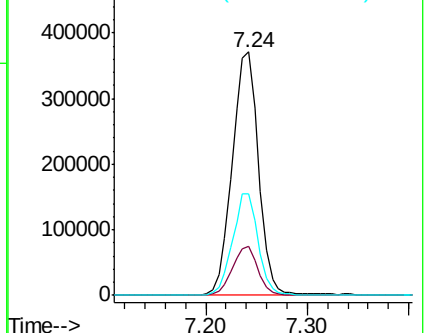
71 42.0 33.1 49.7



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



#10

Phenol

Concen: 2.607 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

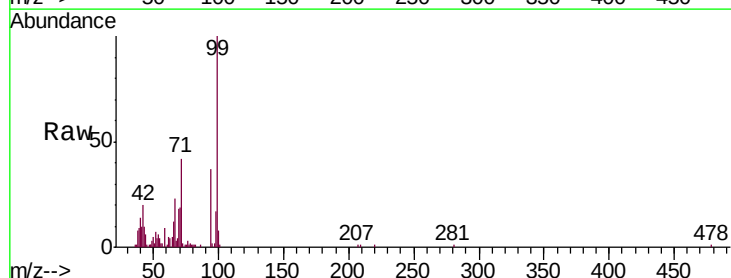
Tgt Ion: 94 Resp: 14163

Ion Ratio Lower Upper

94 100

65 33.2 16.6 56.6

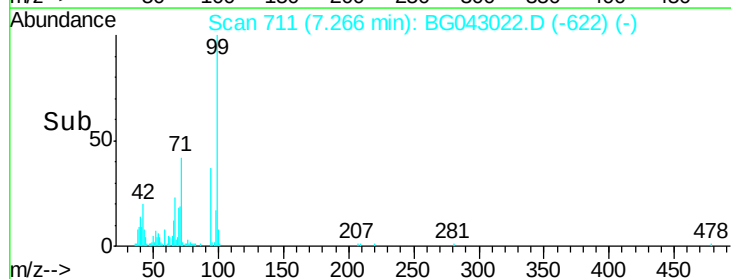
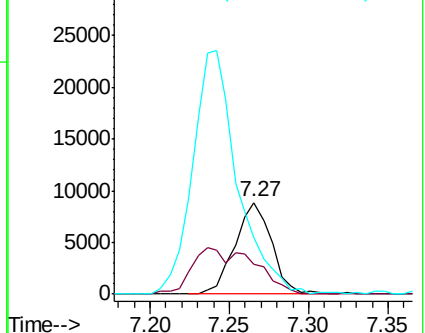
66 62.8 32.4 72.4

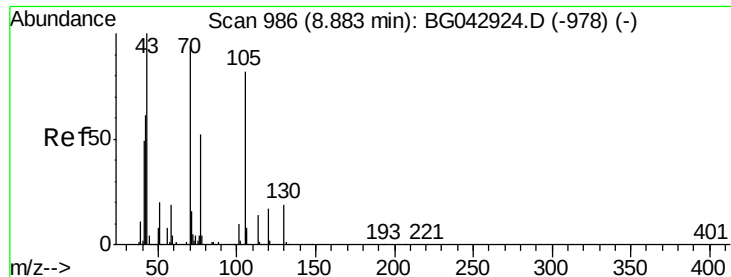


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

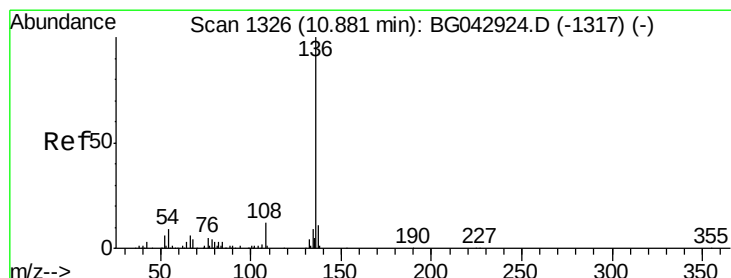
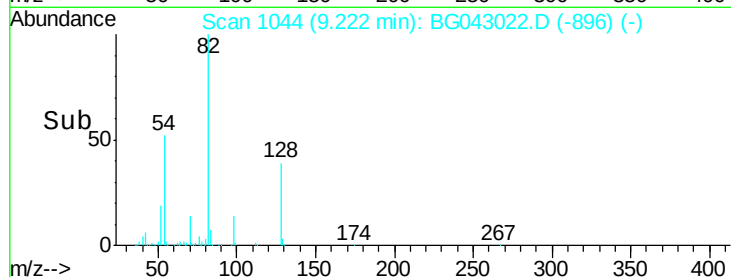
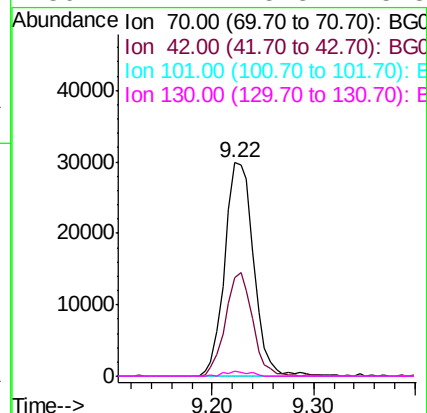
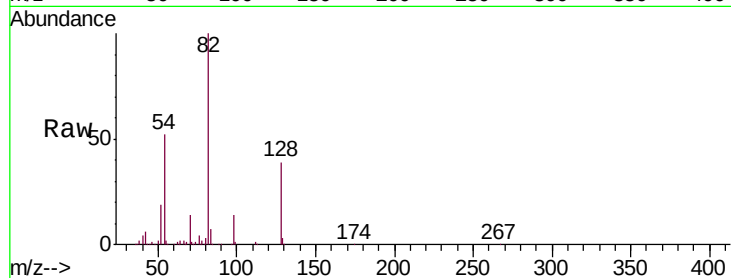




#19
n-Nitroso-di-n-propylamine
Concen: 15.215 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.34 min
Lab File: BG043022.D
Acq: 4 Oct 2019 3:05

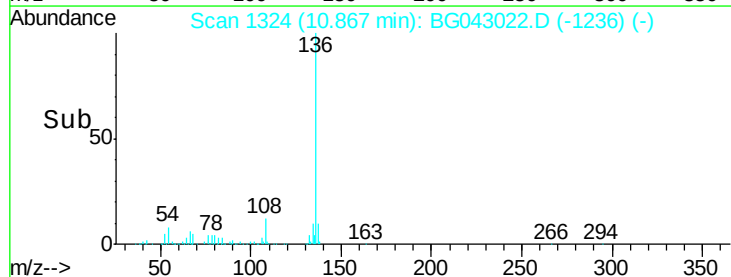
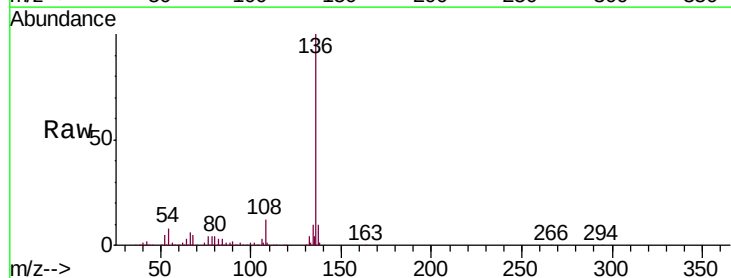
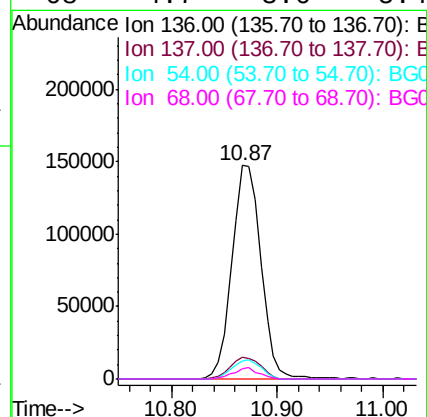
Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-2-ABCD

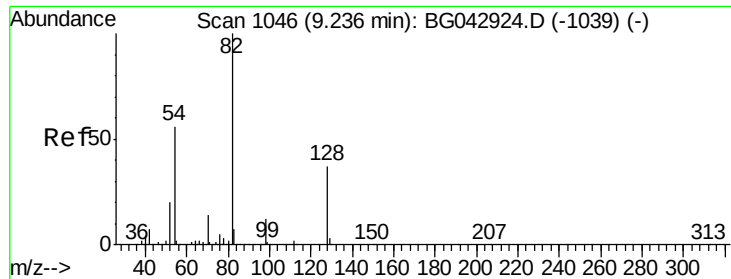
Tgt Ion: 70 Resp: 59150
Ion Ratio Lower Upper
70 100
42 45.9 52.6 79.0#
101 0.0 8.7 13.1#
130 2.4 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG043022.D
Acq: 4 Oct 2019 3:05

Tgt Ion: 136 Resp: 279388
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 8.4 7.4 11.2
68 4.7 3.6 5.4

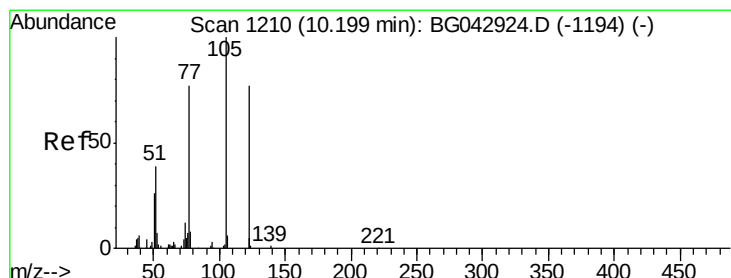
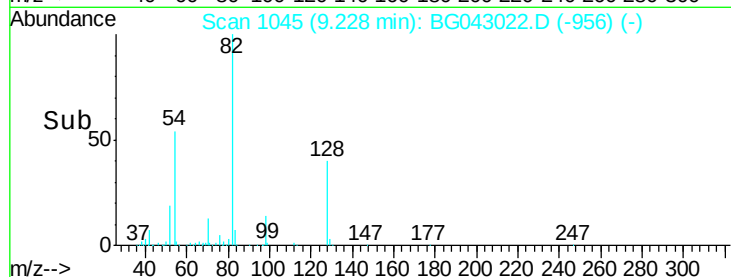
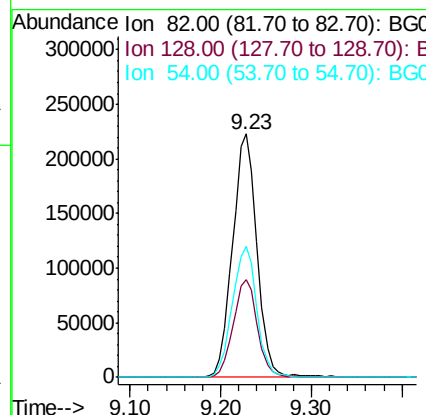
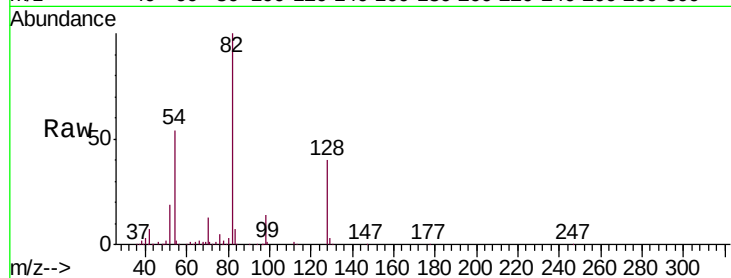




#23
 Nitrobenzene-d5
 Concen: 72.794 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

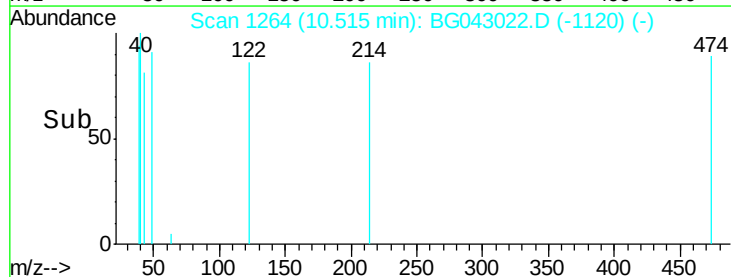
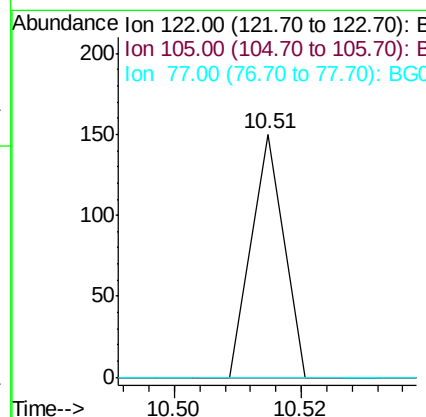
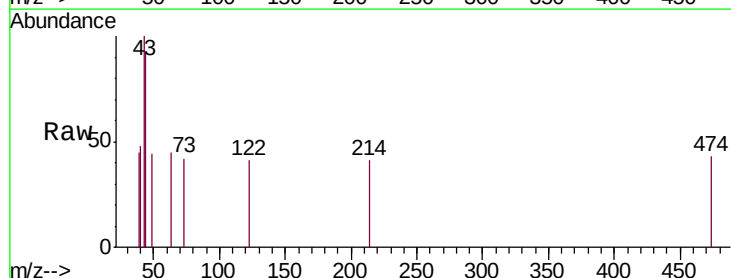
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

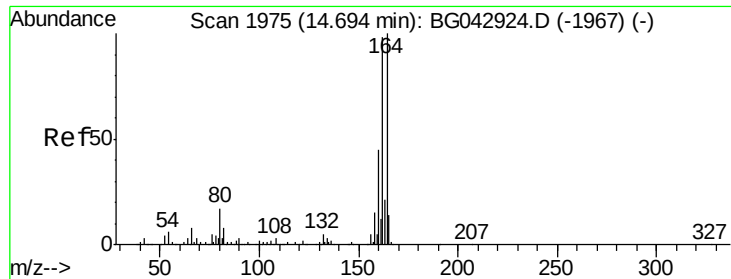
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.3	29.5	44.3
54	53.7	44.6	67.0



#32
 Benzoic acid
 Concen: 2.819 ng
 RT: 10.51 min Scan# 1264
 Delta R.T. 0.32 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Tgt 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: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-2-ABCD

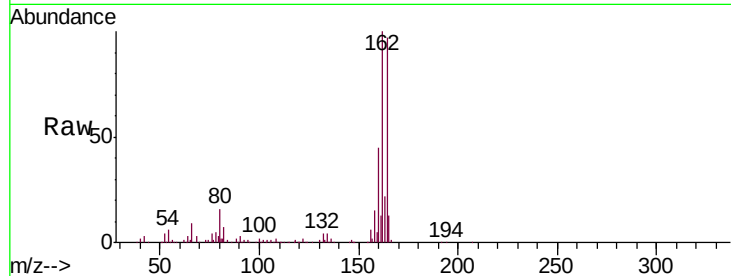
Tgt Ion:164 Resp: 197256

Ion Ratio Lower Upper

164 100

162 102.7 78.5 117.7

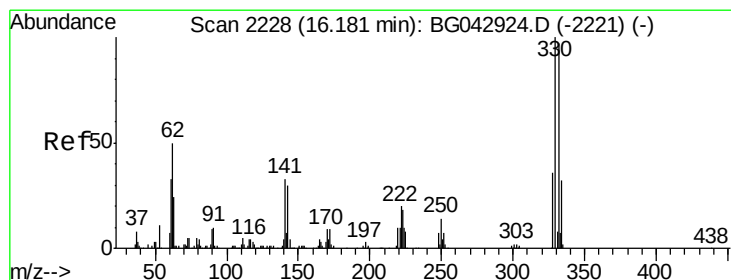
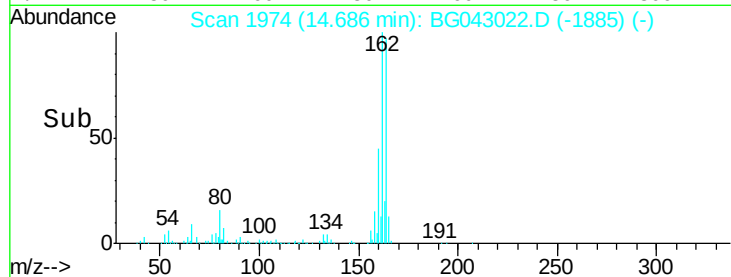
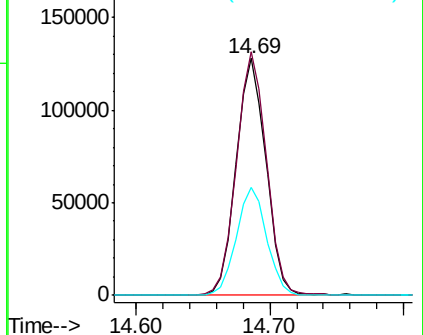
160 45.7 35.9 53.9



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: 107.645 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

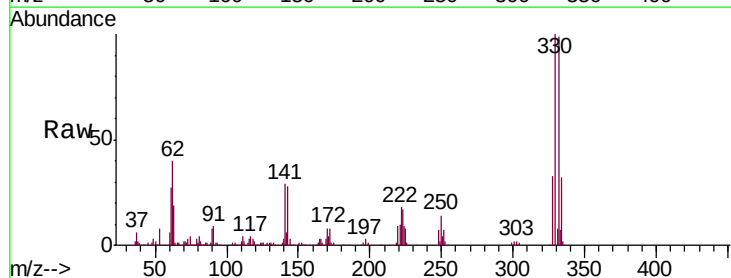
Tgt Ion:330 Resp: 365124

Ion Ratio Lower Upper

330 100

332 95.9 78.2 117.2

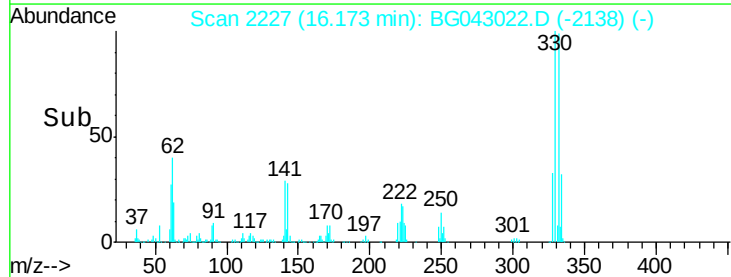
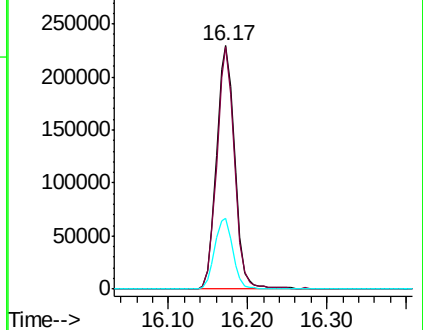
141 29.2 26.0 39.0

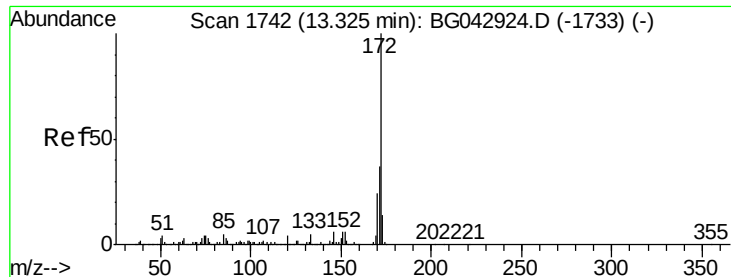


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

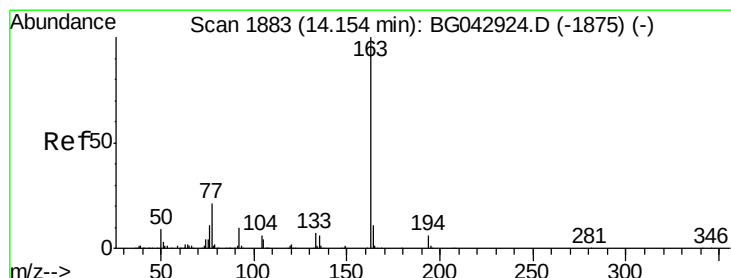
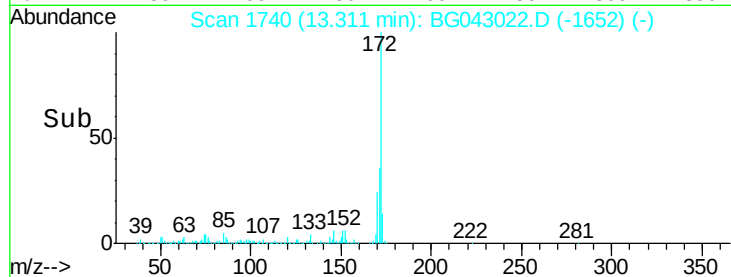
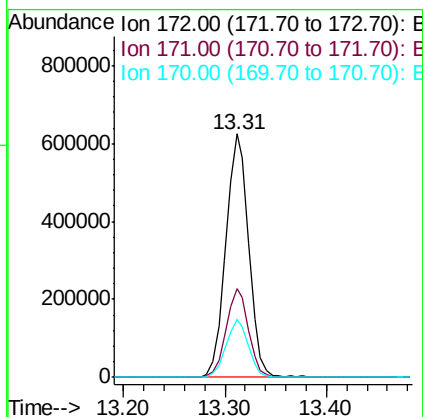
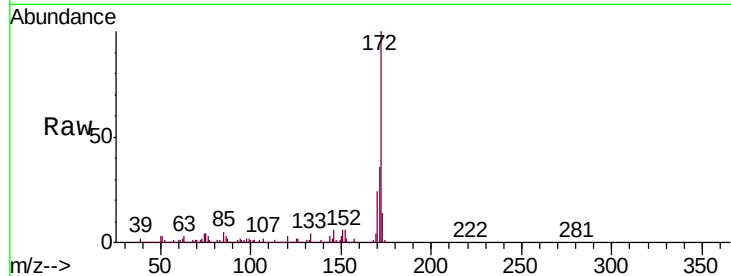




#45
2-Fluorobiphenyl
Concen: 71.682 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BG043022.D
Acq: 4 Oct 2019 3:05

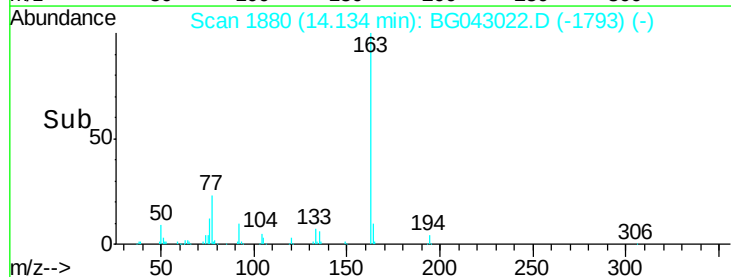
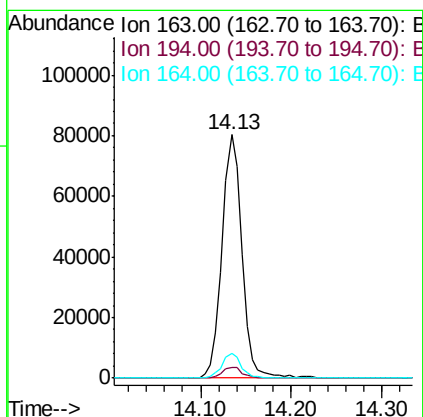
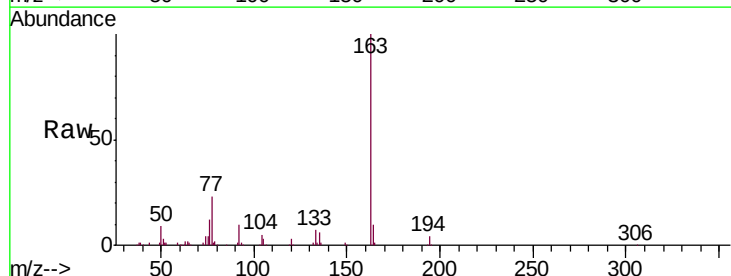
Instrument :
BNA_G
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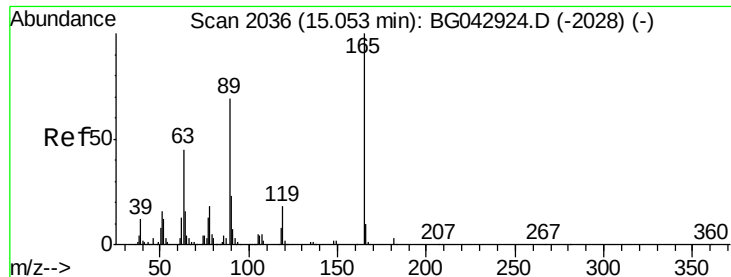
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.6	29.4



#50
Dimethylphthalate
Concen: 8.270 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG043022.D
Acq: 4 Oct 2019 3:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	4.4	6.6
164	10.0	8.6	12.8

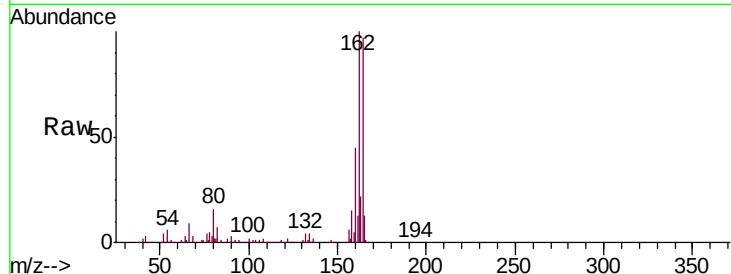




#57
 2,4-Dinitrotoluene
 Concen: 5.861 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.37 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.5	54.7#
89	3.1	55.5	83.3#
182	0.0	2.4	3.6#



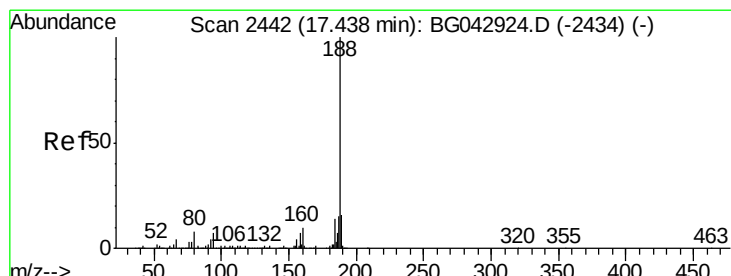
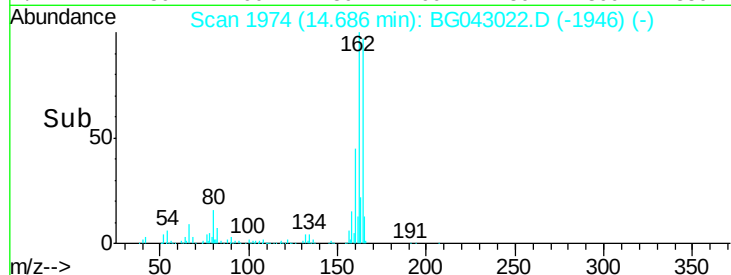
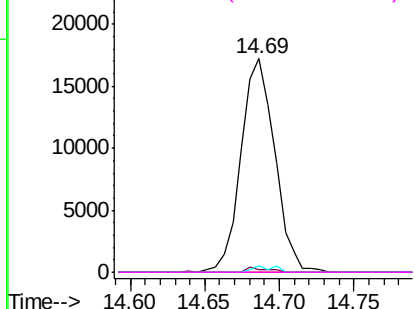
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

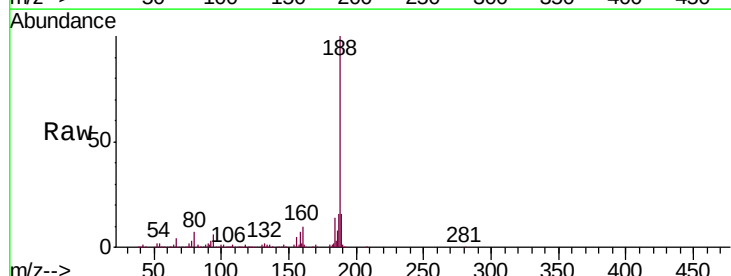
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.7	8.5
80	6.7	6.5	9.7

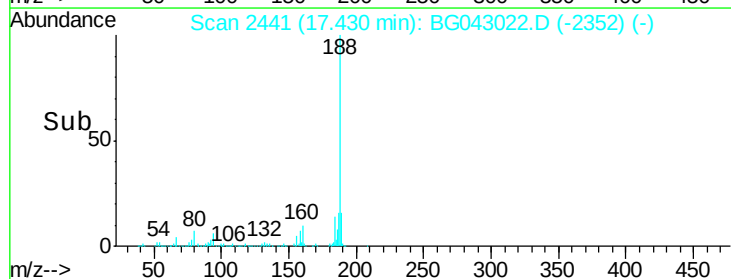
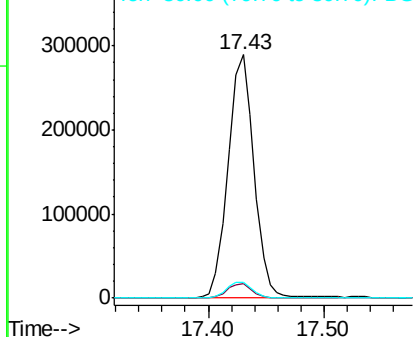


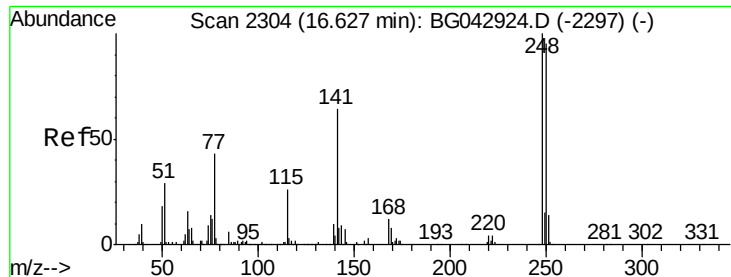
Abundance

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

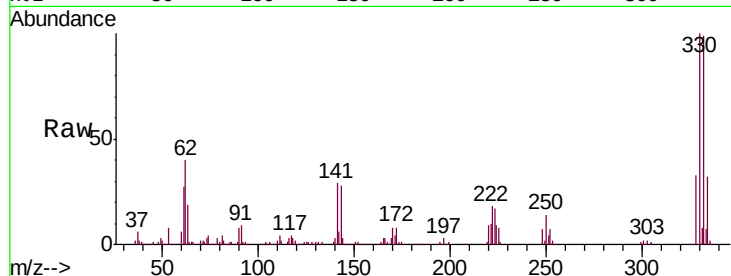




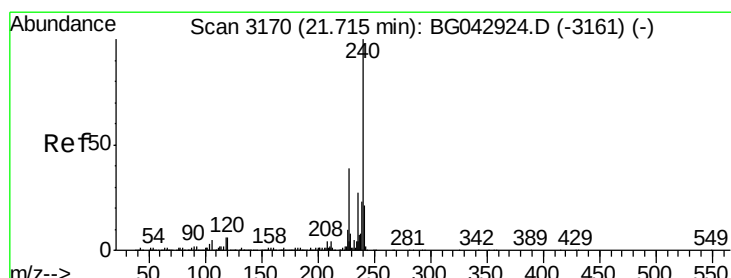
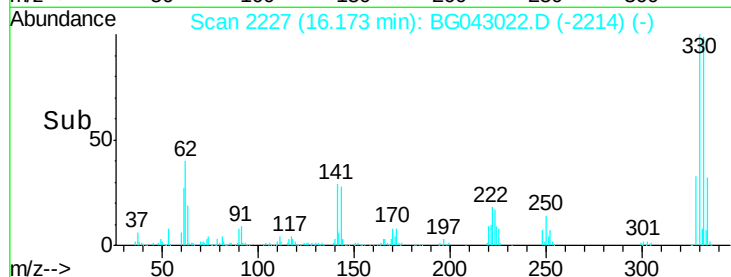
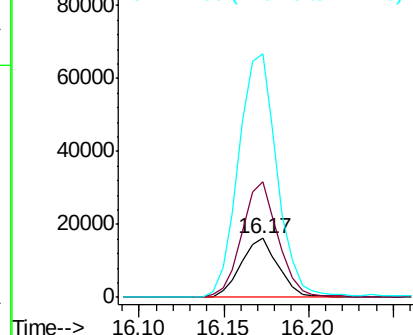
#67
 4-Bromophenyl-phenylether
 Concen: 4.437 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.45 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-2-ABCD

Tgt Ion:248 Resp: 25088
 Ion Ratio Lower Upper
 248 100
 250 196.0 75.8 113.8#
 141 414.4 51.1 76.7#

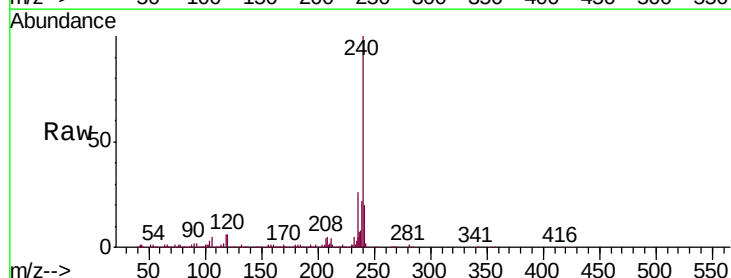


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

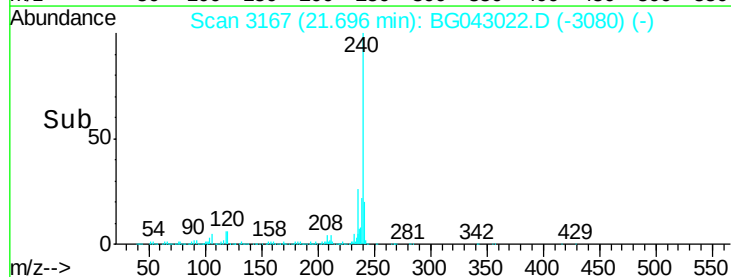
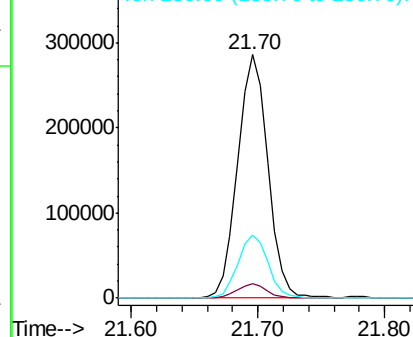


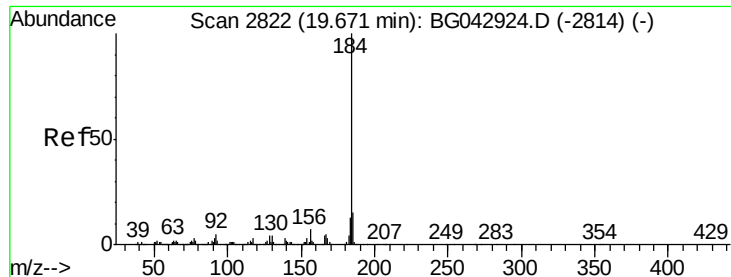
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3167
 Delta R.T. -0.02 min
 Lab File: BG043022.D
 Acq: 4 Oct 2019 3:05

Tgt Ion:240 Resp: 471574
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.8 7.2
 236 26.2 21.4 32.0



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: 2.070 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.37 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-2-ABCD

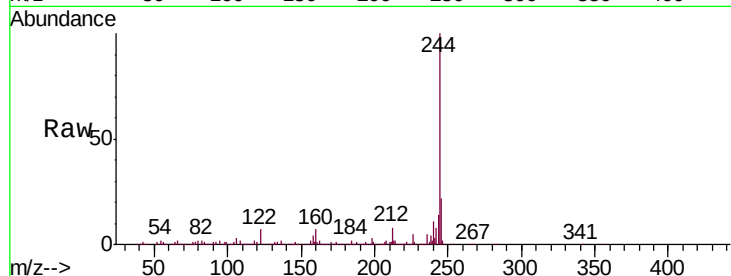
Tgt Ion:184 Resp: 24441

Ion Ratio Lower Upper

184 100

185 17.0 11.8 17.8

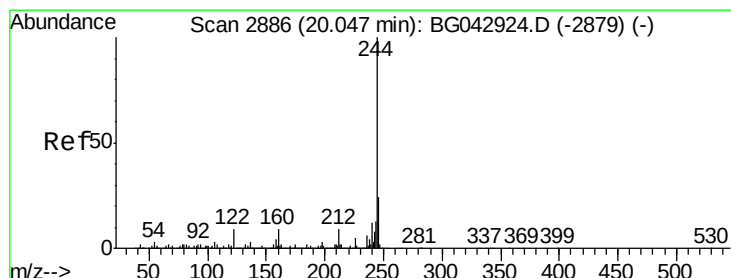
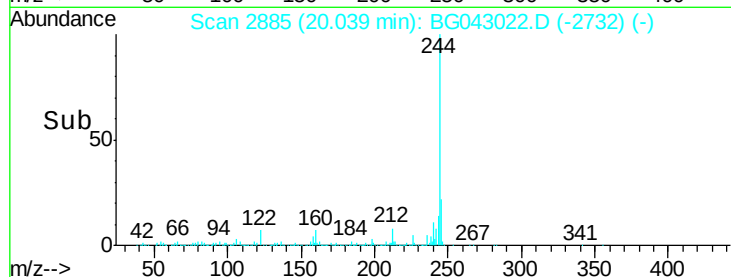
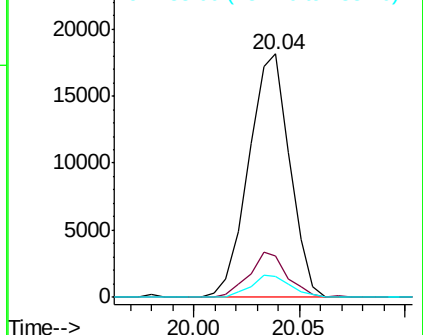
183 8.6 10.1 15.1#



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: 72.481 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043022.D

Acq: 4 Oct 2019 3:05

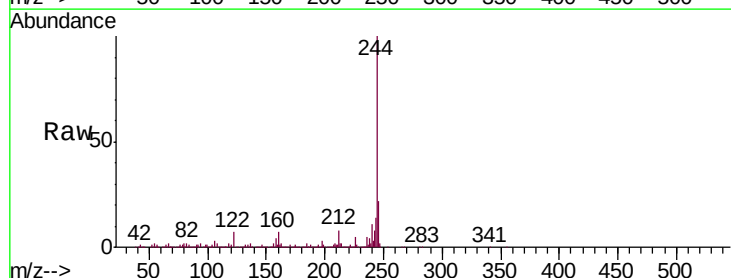
Tgt Ion:244 Resp: 1604032

Ion Ratio Lower Upper

244 100

212 7.9 7.4 11.0

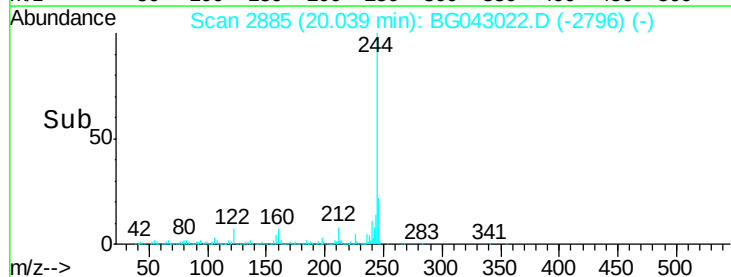
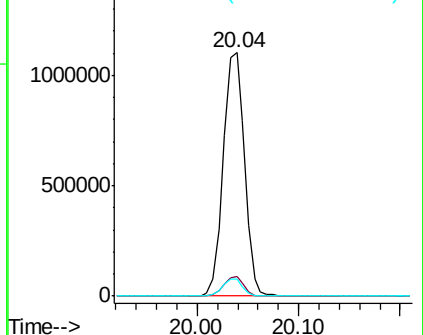
122 7.1 7.0 10.4

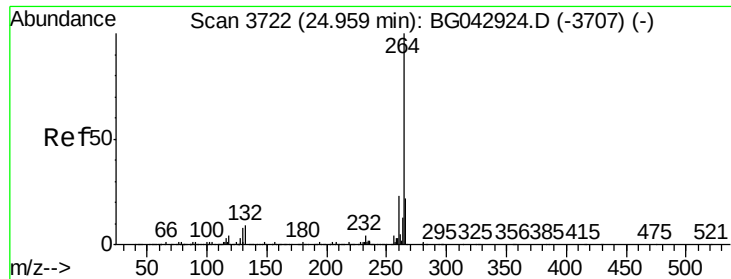


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3716
Delta R.T. -0.04 min
Lab File: BG043022.D
Acq: 4 Oct 2019 3:05

Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-2-ABCD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.5	17.7	26.5

