

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100319\
 Data File : BG043021.D
 Acq On : 4 Oct 2019 2:27
 Operator : JU
 Sample : K5181-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-1-ABCD

Quant Time: Oct 04 06:35:50 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

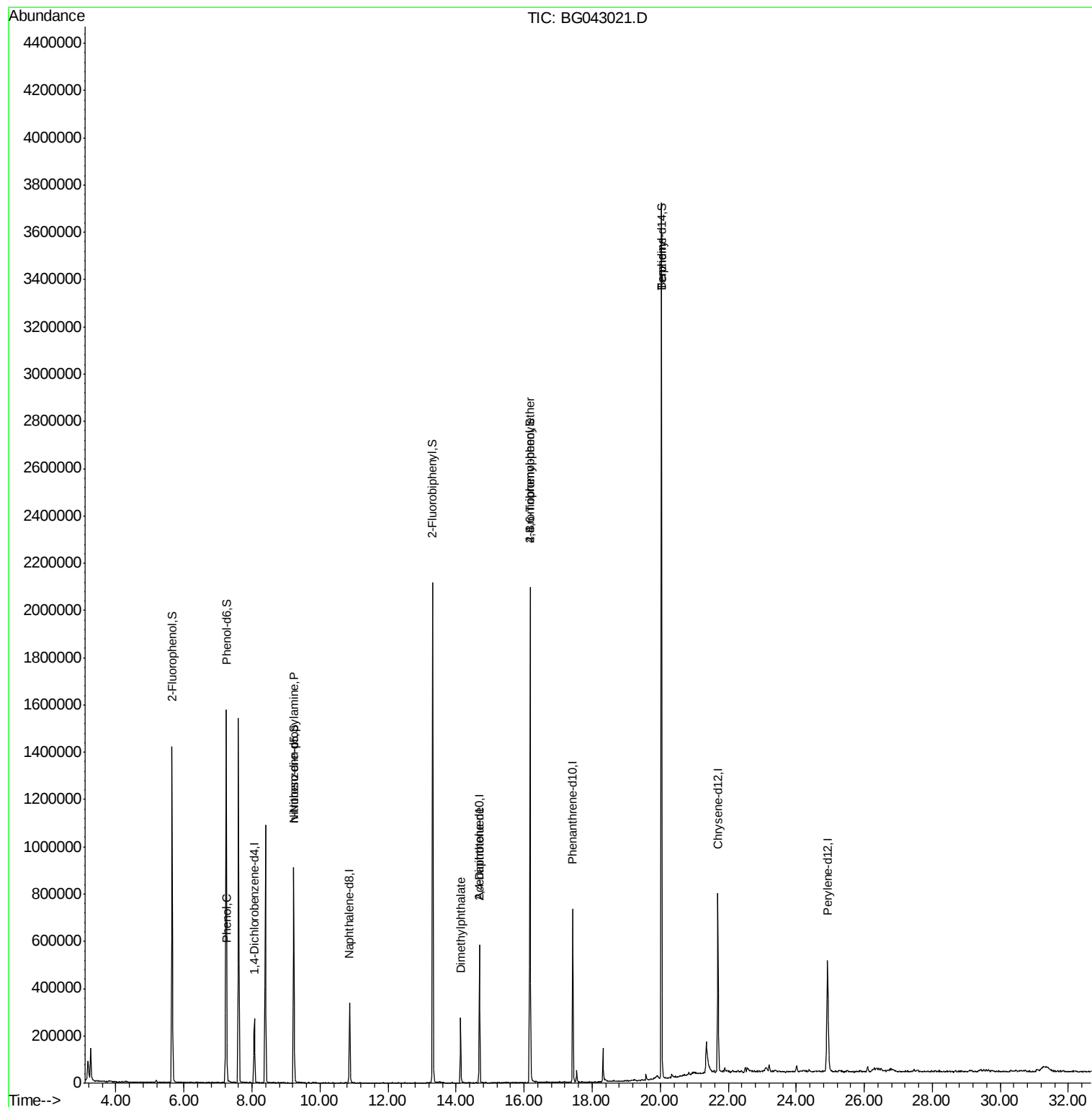
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	80332	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	296967	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	207928	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	469919	20.00	ng	0.00
76) Chrysene-d12	21.70	240	485779	20.00	ng	-0.01
87) Perylene-d12	24.92	264	560407	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	623688	138.56	ng	0.00
7) Phenol-d6	7.24	99	905344	139.67	ng	0.00
23) Nitrobenzene-d5	9.23	82	571204	93.49	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	445153	124.50	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1164049	81.16	ng	-0.01
79) Terphenyl-d14	20.04	244	1816266	79.67	ng	0.00
Target Compounds						
10) Phenol	7.27	94	20854	3.507	ng	93
19) n-Nitroso-di-n-propylamine	9.23	70	80297	18.865	ng	# 69
50) Dimethylphthalate	14.13	163	183767	11.796	ng	98
57) 2,4-Dinitrotoluene	14.69	165	27713	5.704	ng	# 25
67) 4-Bromophenyl-phenylether	16.17	248	29633	5.024	ng	# 1
77) Benzidine	20.04	184	30058	2.471	ng	# 87

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

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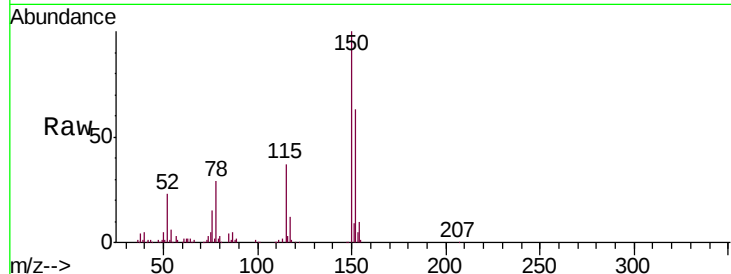


#1

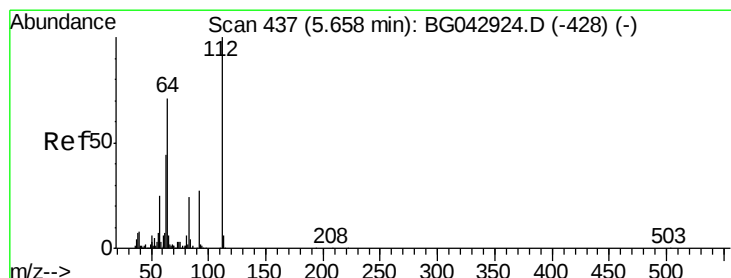
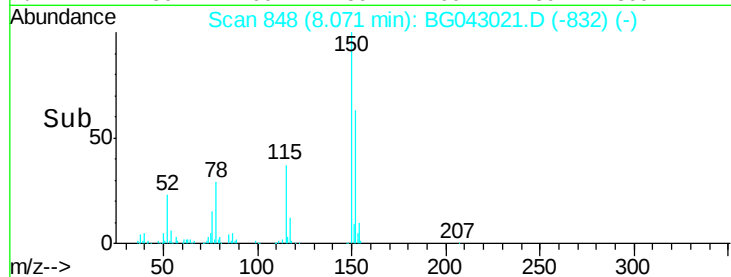
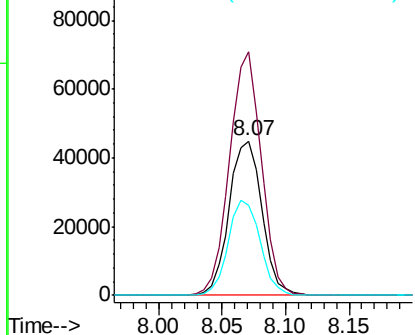
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BG043021.D
Acq: 4 Oct 2019 2:27

Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-1-ABCD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	115.0	172.4
115	58.6	47.0	70.6



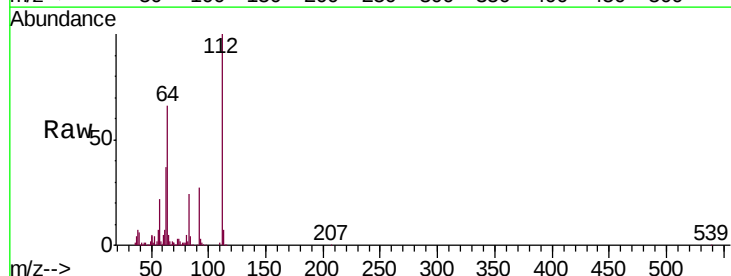
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



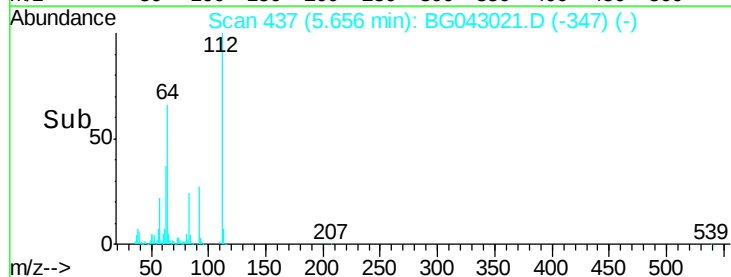
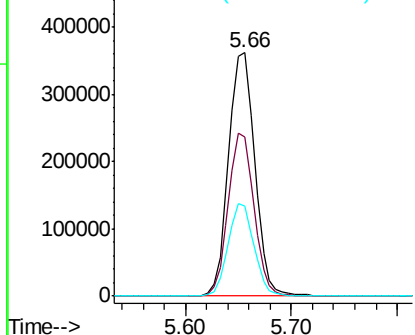
#5

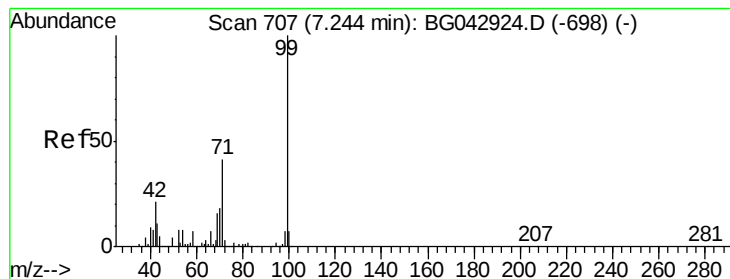
2-Fluorophenol
Concen: 138.556 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG043021.D
Acq: 4 Oct 2019 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	56.6	84.8
63	37.0	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: 139.666 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.00 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

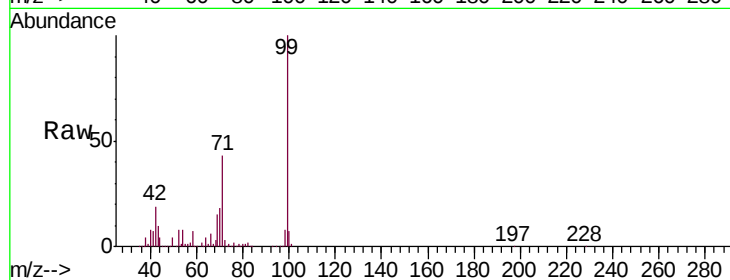
Tgt Ion: 99 Resp: 905344

Ion Ratio Lower Upper

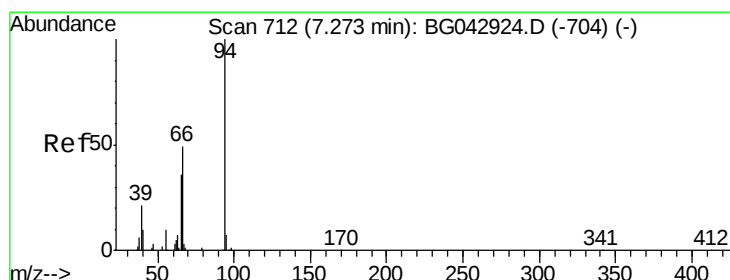
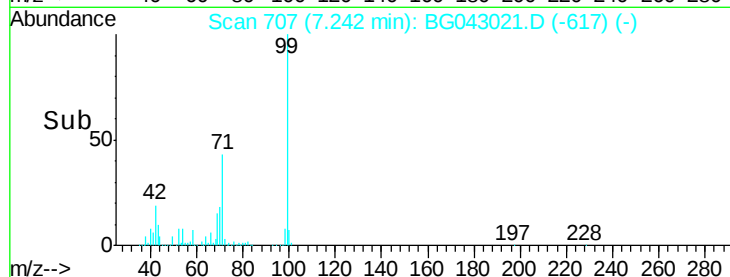
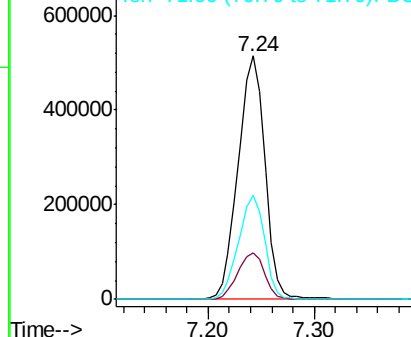
99 100

42 19.2 17.2 25.8

71 42.6 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: 3.507 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

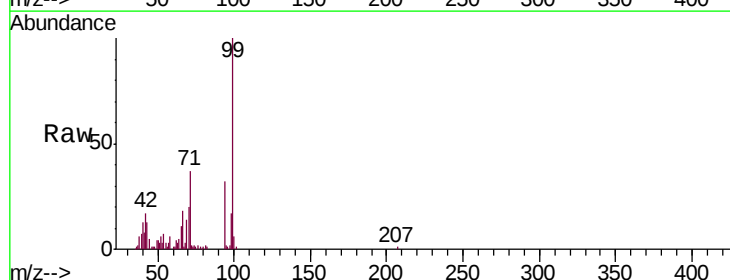
Tgt Ion: 94 Resp: 20854

Ion Ratio Lower Upper

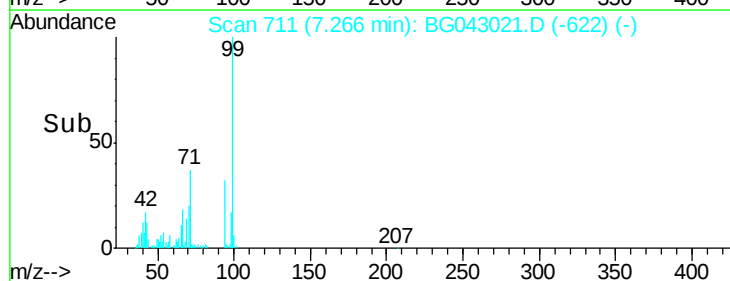
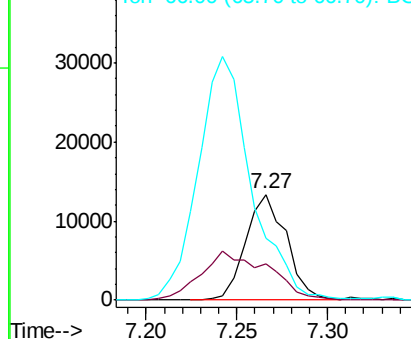
94 100

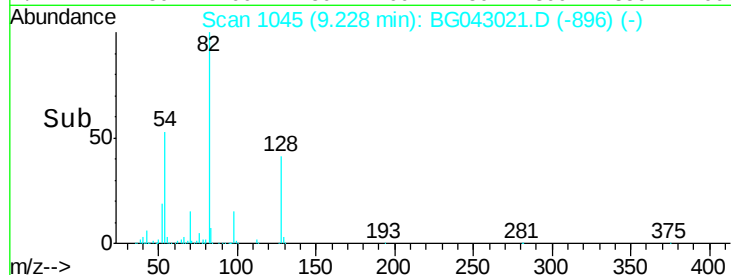
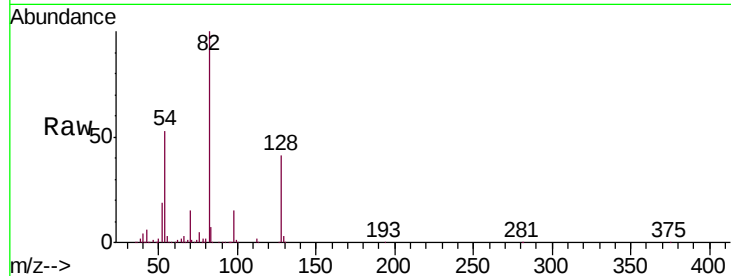
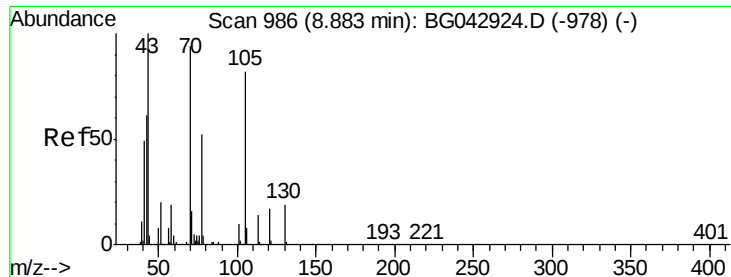
65 34.0 16.6 56.6

66 58.1 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

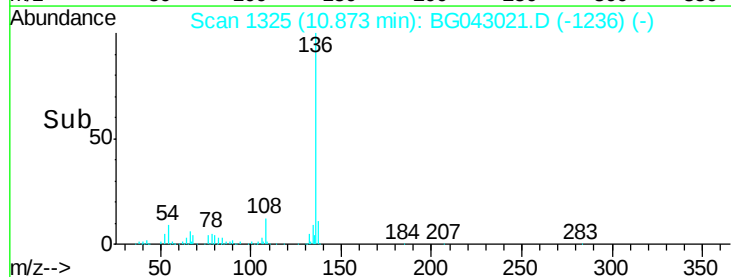
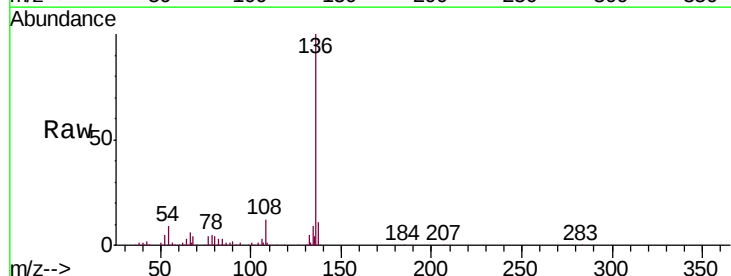
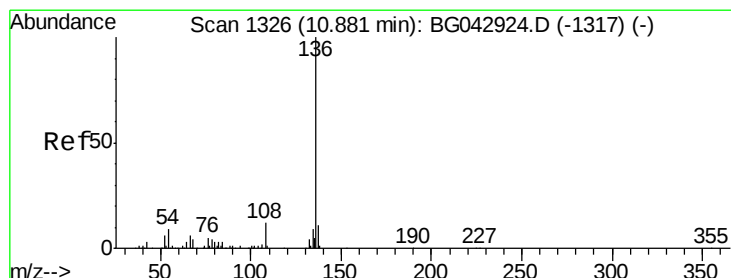
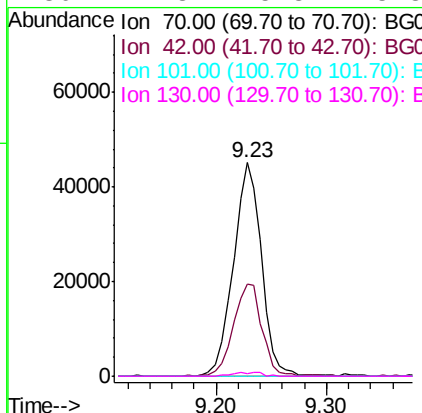




#19
n-Nitroso-di-n-propylamine
Concen: 18.865 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG043021.D
Acq: 4 Oct 2019 2:27

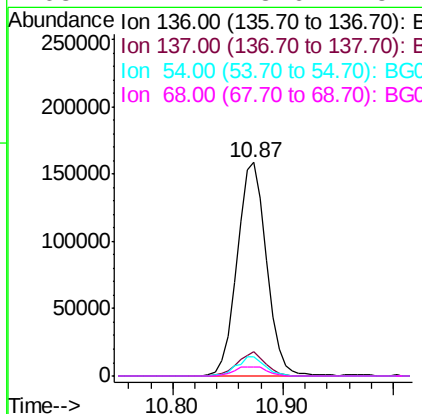
Instrument :
BNA_G
ClientSampleId :
SOUTH-AVENUE-1-ABCD

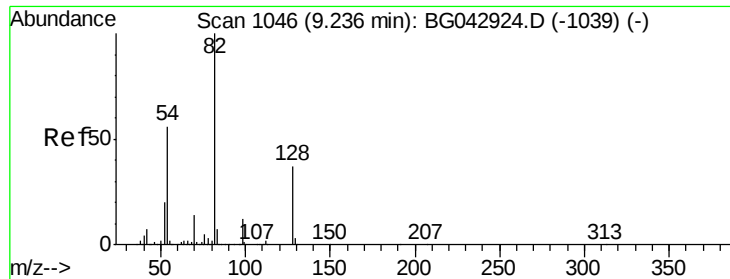
Tgt Ion: 70 Resp: 80297
Ion Ratio Lower Upper
70 100
42 43.2 52.6 79.0#
101 0.0 8.7 13.1#
130 1.3 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG043021.D
Acq: 4 Oct 2019 2:27

Tgt Ion: 136 Resp: 296967
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 8.9 7.4 11.2
68 4.4 3.6 5.4

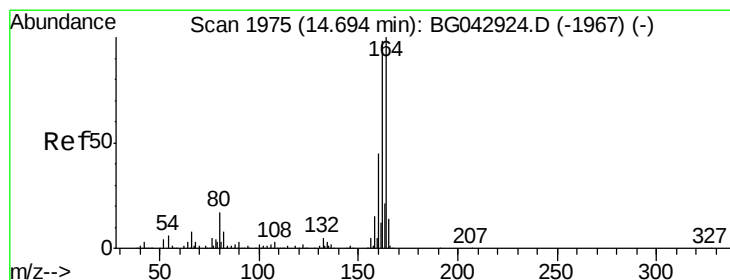
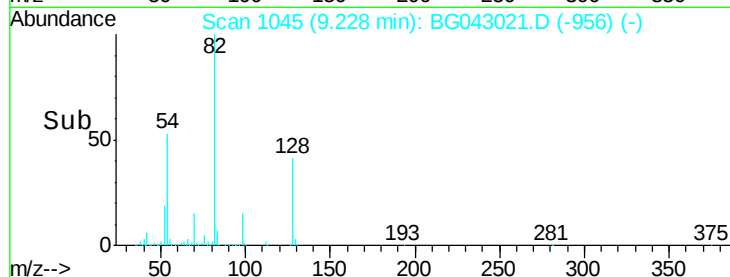
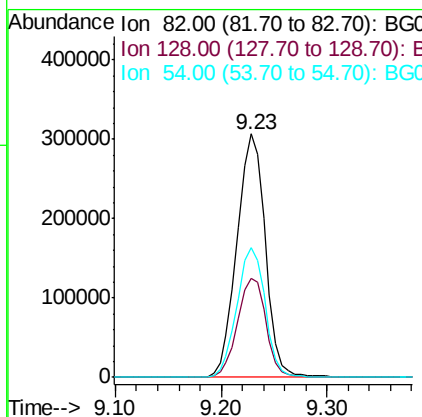
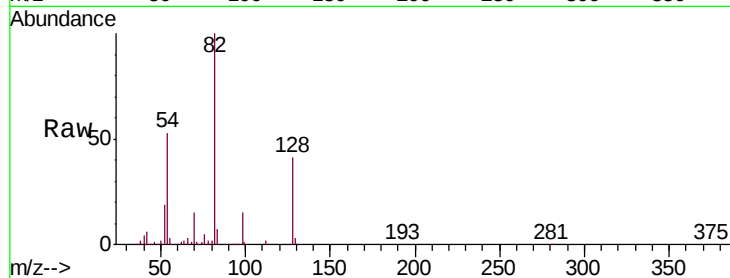




#23
 Nitrobenzene-d5
 Concen: 93.490 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

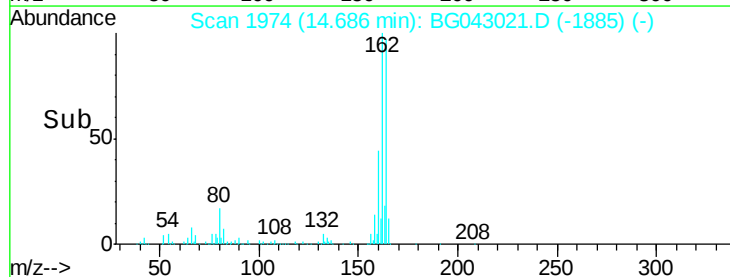
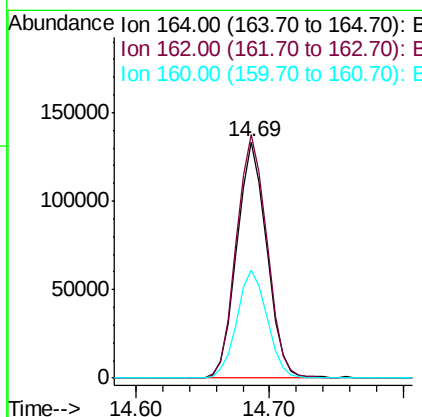
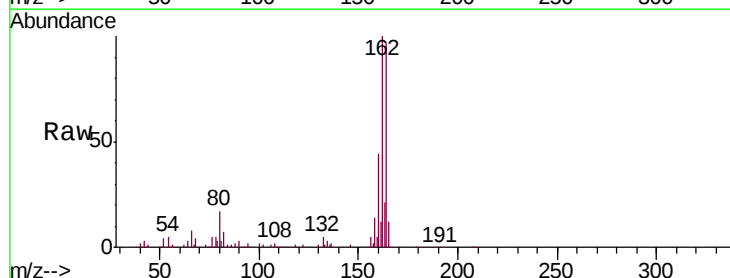
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-1-ABCD

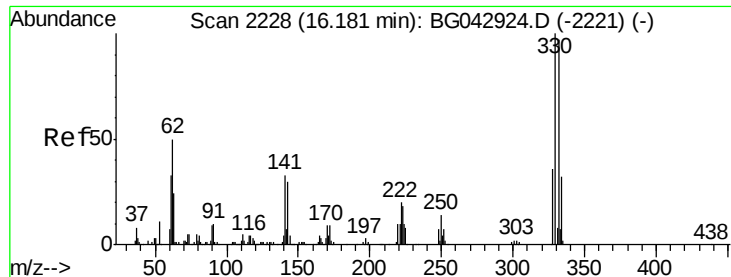
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.8	29.5	44.3
54	53.3	44.6	67.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	78.5	117.7
160	45.7	35.9	53.9

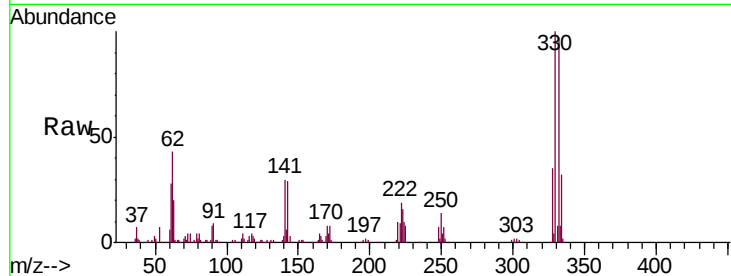




#42
 2,4,6-Tribromophenol
 Concen: 124.503 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-1-ABCD

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.2	117.2
141	30.1	26.0	39.0

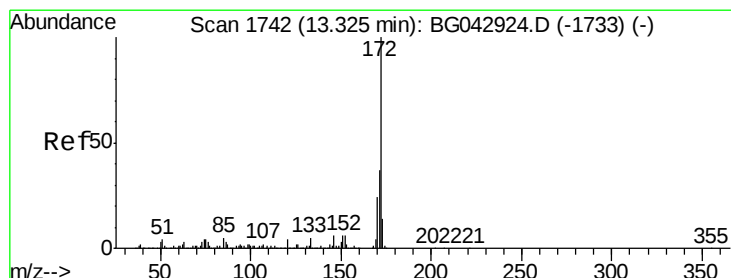
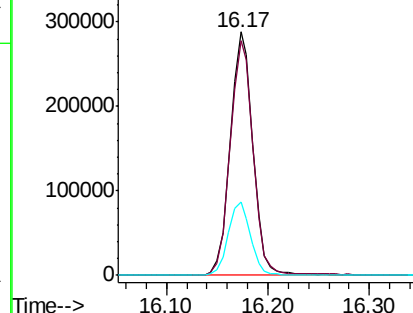
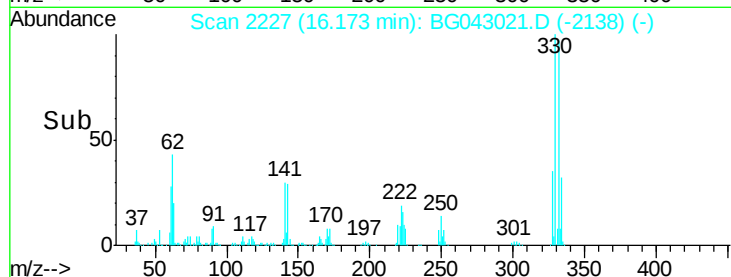


Abundance

Ion 329.80 (329.50 to 330.50): E

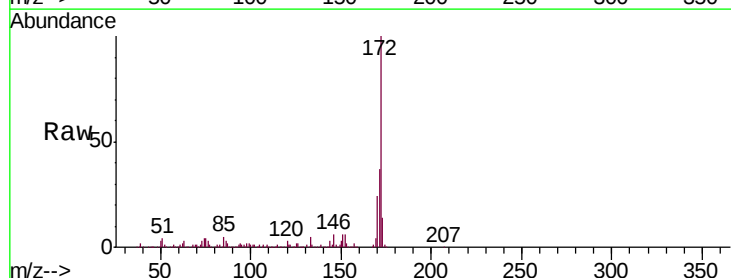
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 81.159 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.2	19.6	29.4

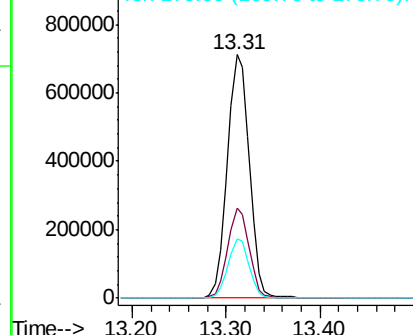
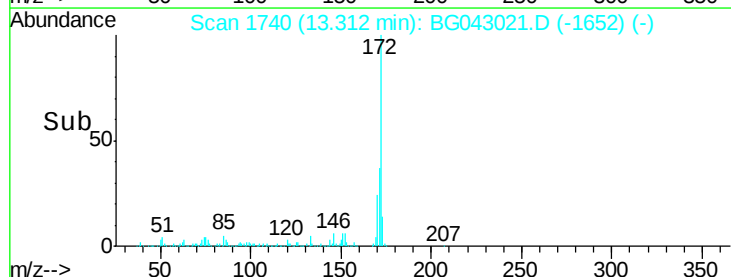


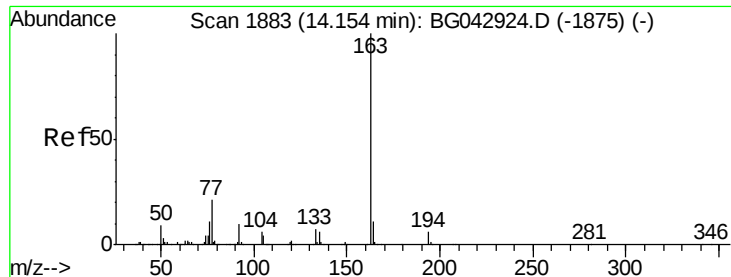
Abundance

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





#50

Dimethylphthalate

Concen: 11.796 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

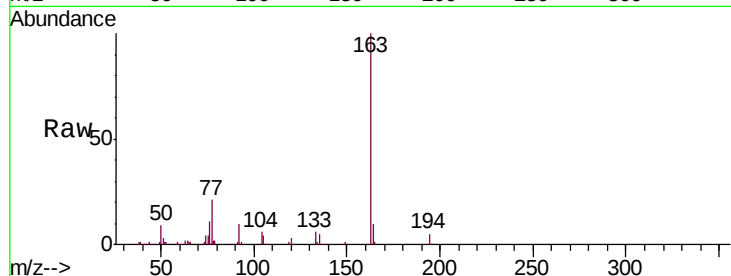
Tgt Ion:163 Resp: 183767

Ion Ratio Lower Upper

163 100

194 5.0 4.4 6.6

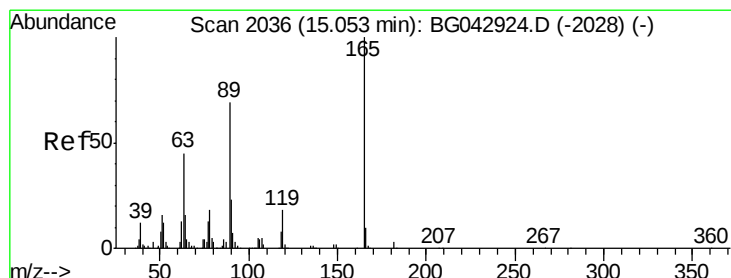
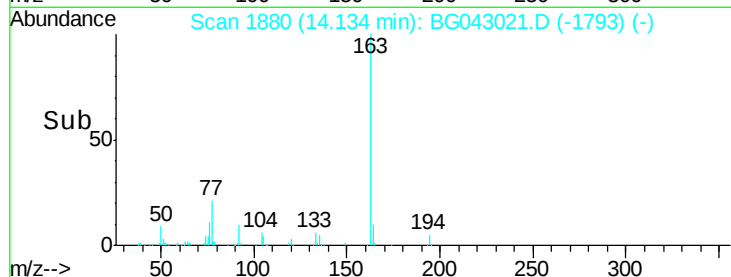
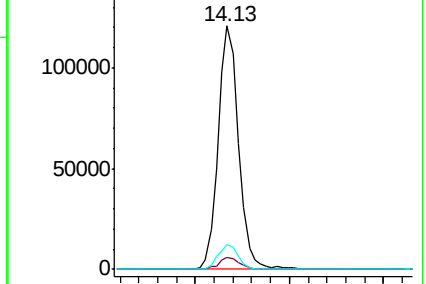
164 10.1 8.6 12.8



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: 5.704 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.37 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Tgt Ion:165 Resp: 27713

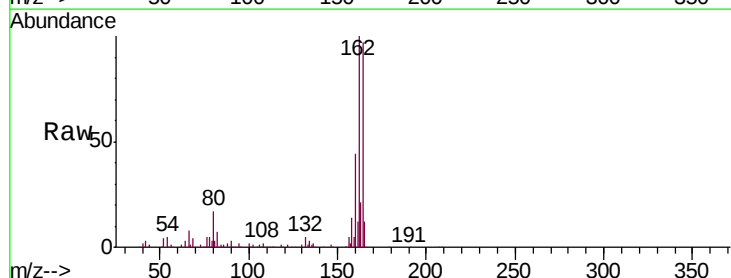
Ion Ratio Lower Upper

165 100

63 1.0 36.5 54.7#

89 2.2 55.5 83.3#

182 0.0 2.4 3.6#

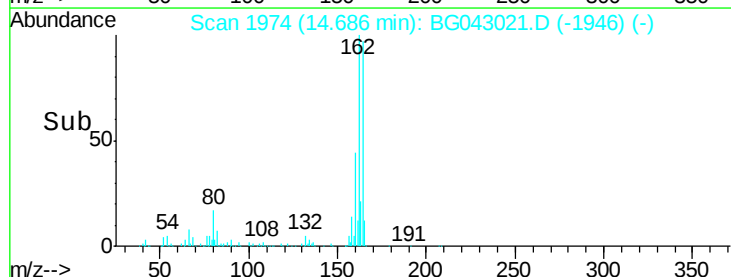
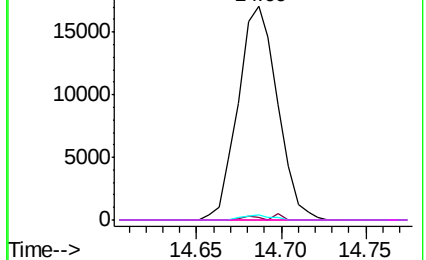


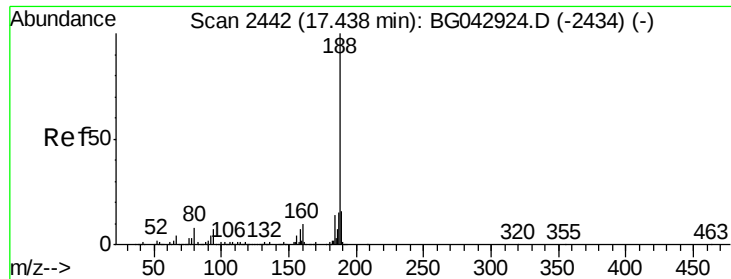
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

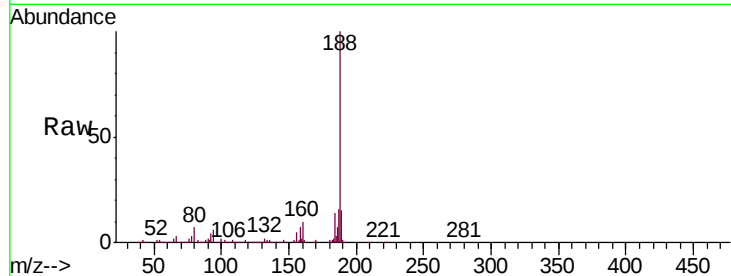
Tgt Ion:188 Resp: 469919

Ion Ratio Lower Upper

188 100

94 5.8 5.7 8.5

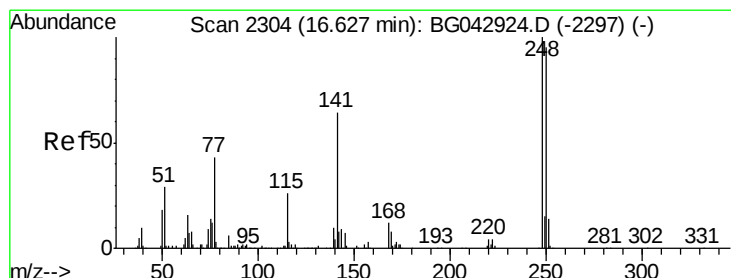
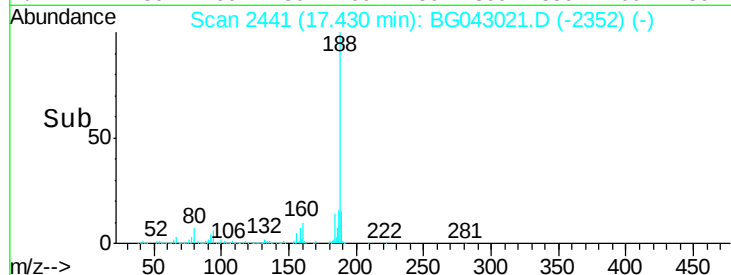
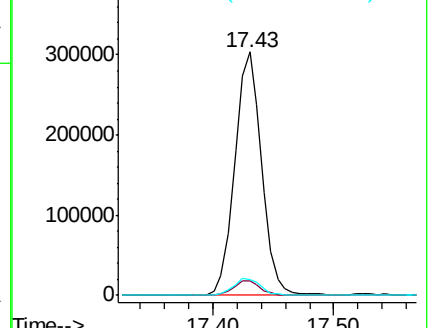
80 6.6 6.5 9.7



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: 5.024 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.45 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

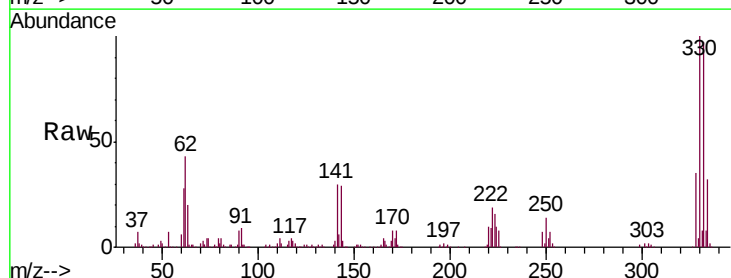
Tgt Ion:248 Resp: 29633

Ion Ratio Lower Upper

248 100

250 211.7 75.8 113.8#

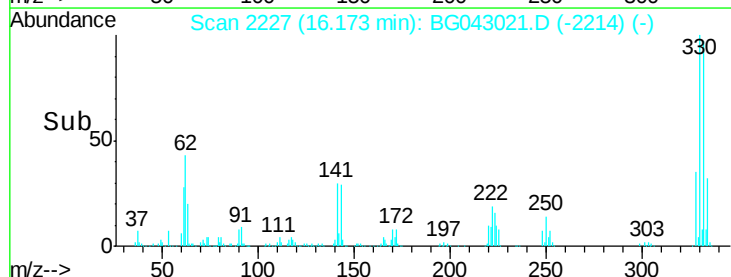
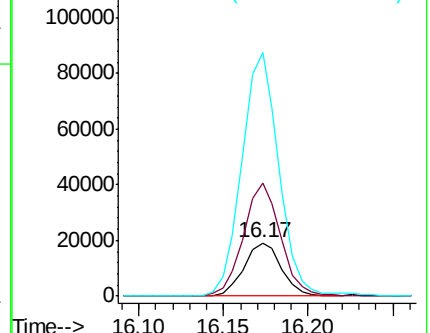
141 458.5 51.1 76.7#

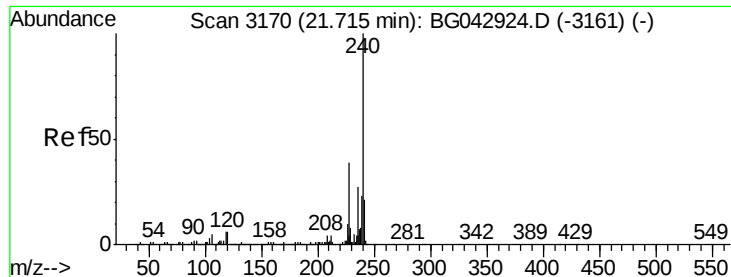


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

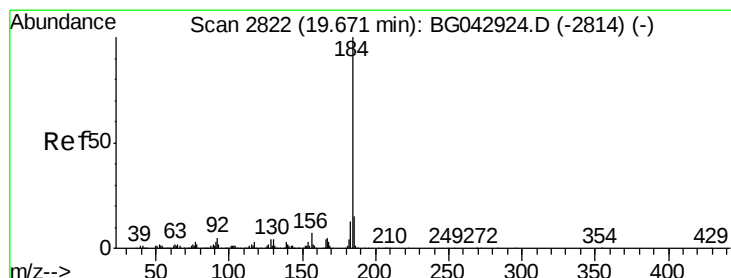
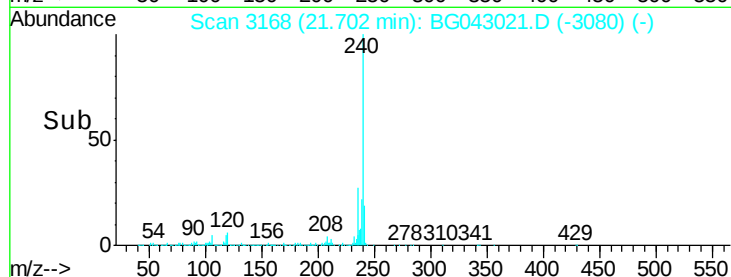
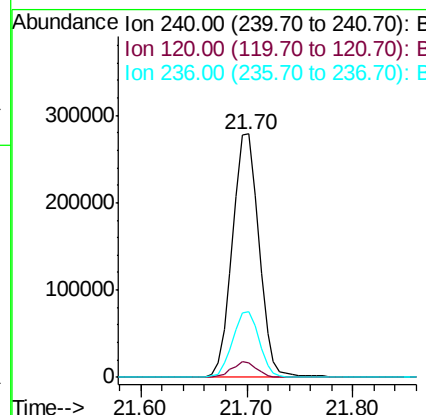
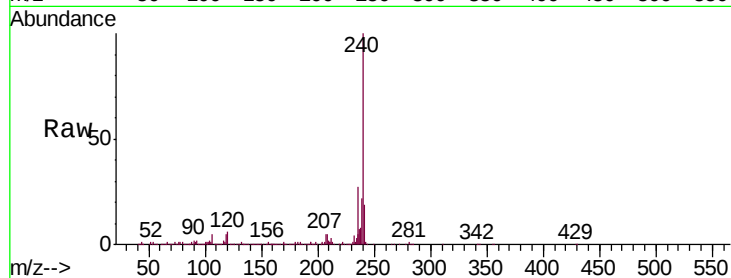




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

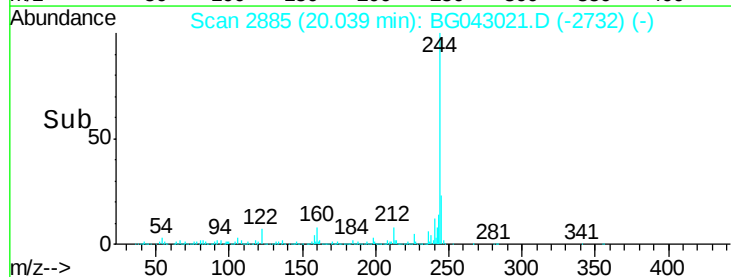
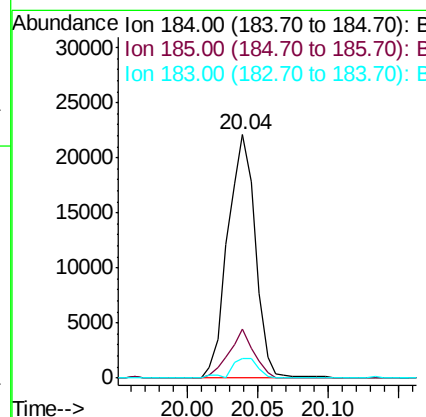
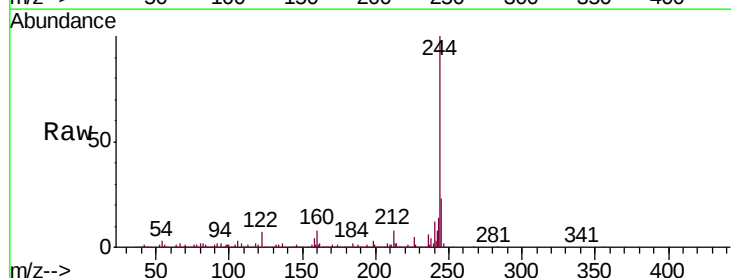
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-AVENUE-1-ABCD

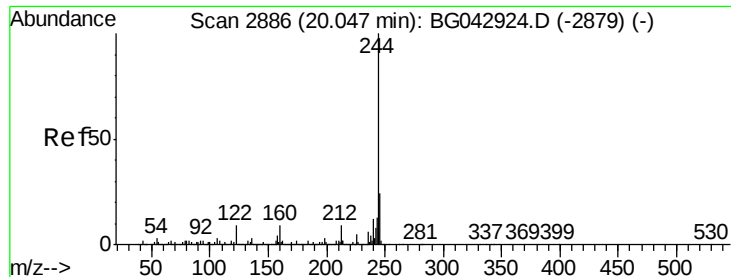
Tgt Ion:240 Resp: 485779
 Ion Ratio Lower Upper
 240 100
 120 5.8 4.8 7.2
 236 27.2 21.4 32.0



#77
 Benzidine
 Concen: 2.471 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.37 min
 Lab File: BG043021.D
 Acq: 4 Oct 2019 2:27

Tgt Ion:184 Resp: 30058
 Ion Ratio Lower Upper
 184 100
 185 20.4 11.8 17.8#
 183 7.8 10.1 15.1#





#79

Terphenyl-d14

Concen: 79.671 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG043021.D

Acq: 4 Oct 2019 2:27

Instrument :

BNA_G

ClientSampleId :

SOUTH-AVENUE-1-ABCD

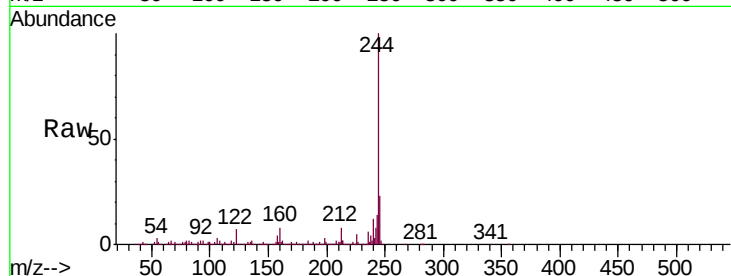
Tgt Ion:244 Resp: 1816266

Ion Ratio Lower Upper

244 100

212 8.3 7.4 11.0

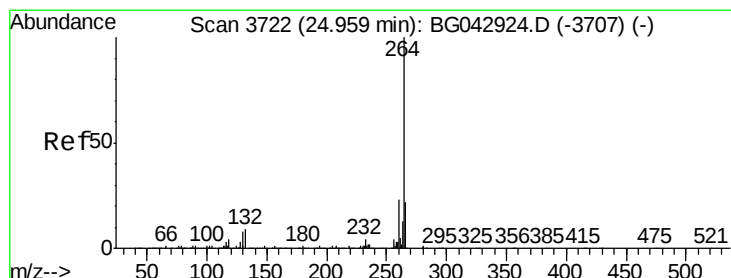
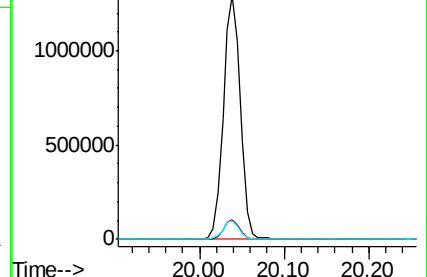
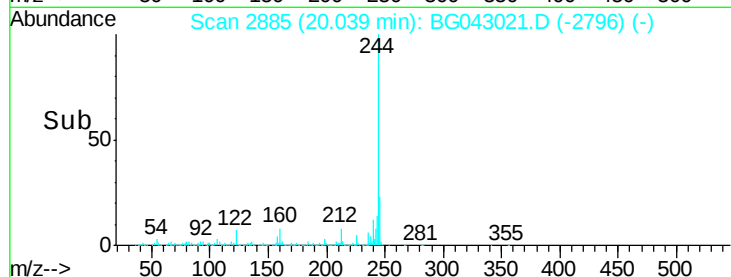
122 7.5 7.0 10.4



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: BG043021.D

Acq: 4 Oct 2019 2:27

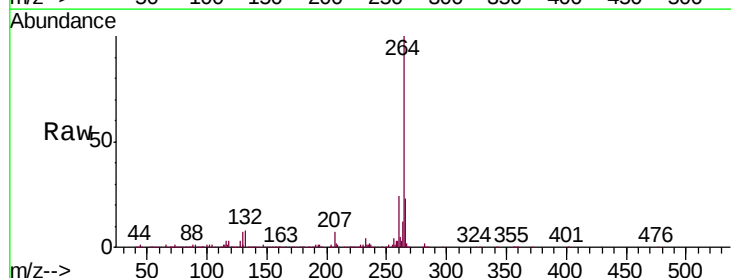
Tgt Ion:264 Resp: 560407

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.6 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

