

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031219\
 Data File : BG039894.D
 Acq On : 13 Mar 2019 4:48
 Operator : JU/SJ
 Sample : K1697-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-031119-A

Quant Time: Mar 13 05:51:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 05:34:05 2019
 Response via : Initial Calibration

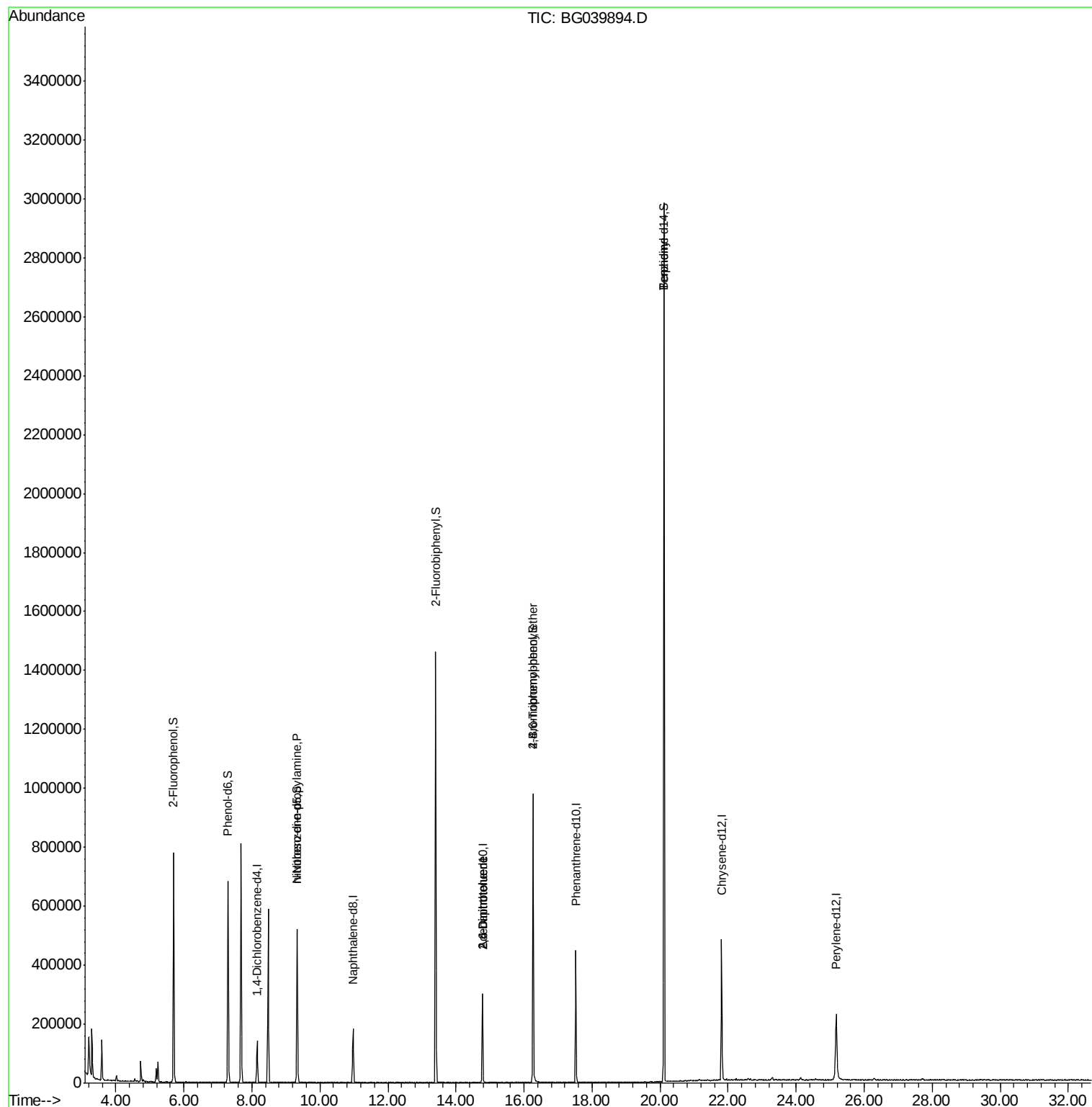
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36903	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	156445	20.00	ng	0.00
39) Acenaphthene-d10	14.77	164	109165	20.00	ng	0.00
64) Phenanthrene-d10	17.52	188	281888	20.00	ng	0.00
76) Chrysene-d12	21.81	240	302724	20.00	ng	0.00
87) Perylene-d12	25.18	264	300558	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	309721	143.18	ng	0.00
7) Phenol-d6	7.30	99	399927	124.00	ng	0.00
23) Nitrobenzene-d5	9.33	82	310482	107.34	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	184489	144.99	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	761797	99.36	ng	0.00
79) Terphenyl-d14	20.11	244	1332344	96.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	40506	17.448	ng	# 67
51) 2,6-Dinitrotoluene	14.77	165	13414	6.932	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	13414	4.933	ng	# 19
67) 4-Bromophenyl-phenylether	16.27	248	14263	4.520	ng	# 1
77) Benzidine	20.11	184	24480	2.548	ng	97

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

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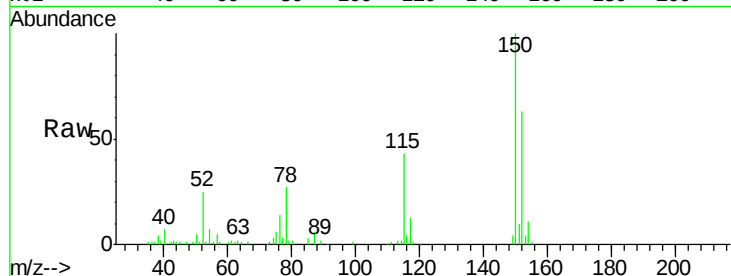


#1

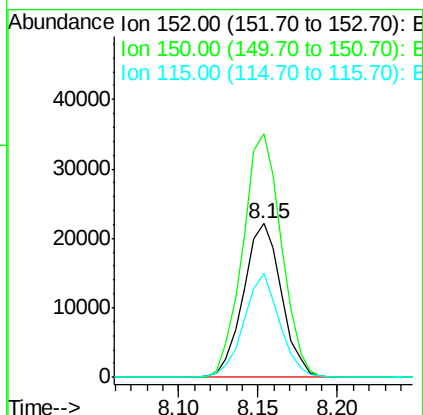
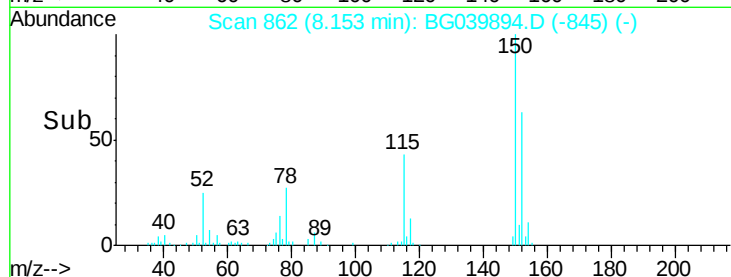
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.00 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SU-04-031119-A

Tgt Ion:152 Resp: 36903
Ion Ratio Lower Upper
152 100
150 158.5 123.7 185.5
115 68.0 45.9 68.9



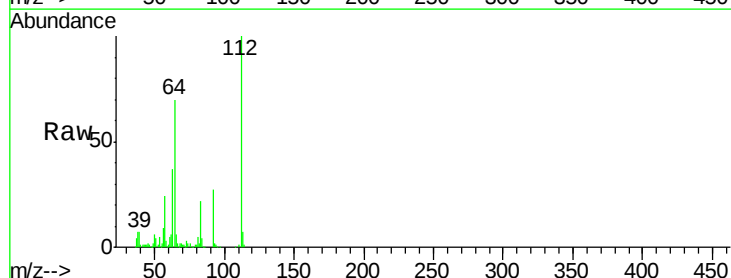
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



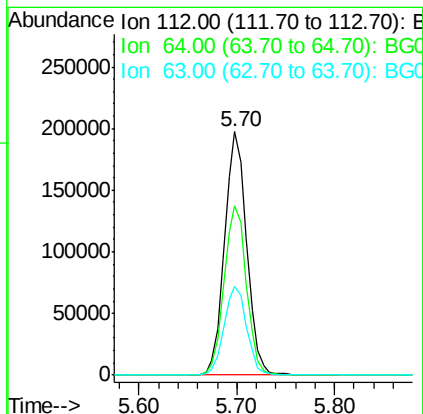
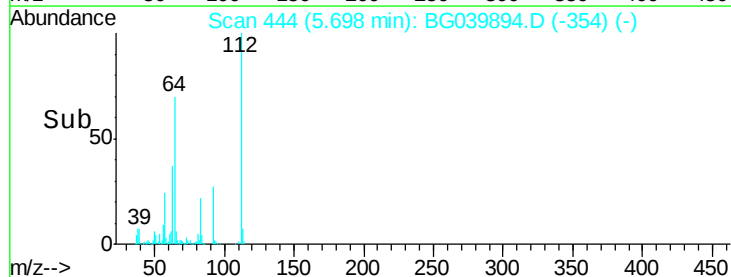
#5

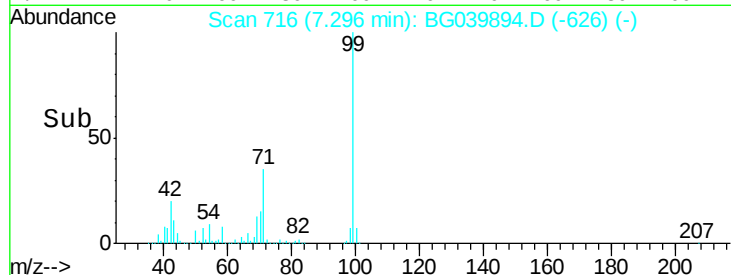
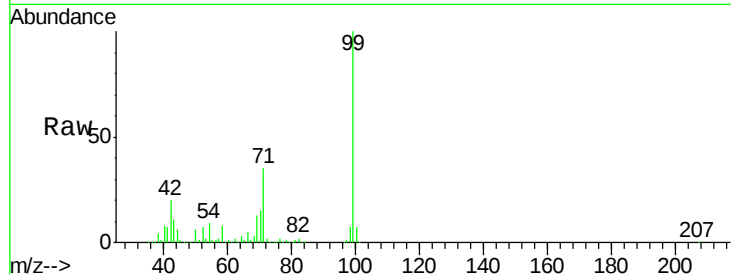
2-Fluorophenol
Concen: 143.183 ng
RT: 5.70 min Scan# 444
Delta R.T. -0.00 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Tgt Ion:112 Resp: 309721
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.8
63 36.6 29.8 44.6



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: 123.995 ng

RT: 7.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG039894.D

Acq: 13 Mar 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SU-04-031119-A

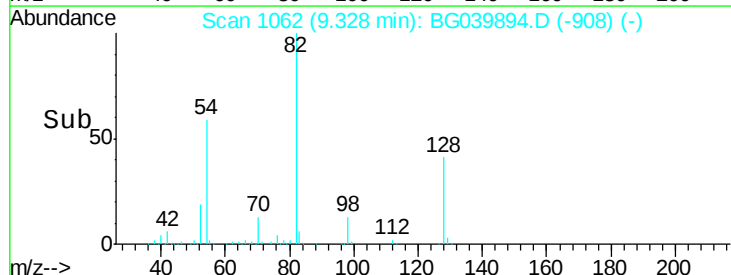
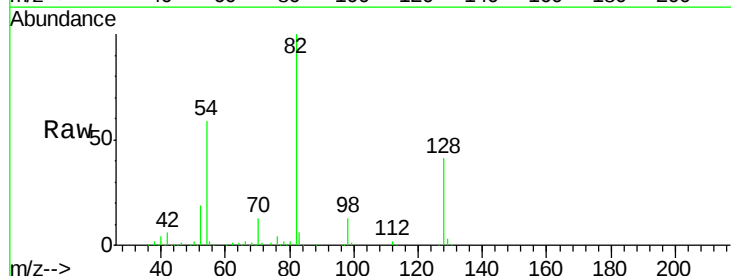
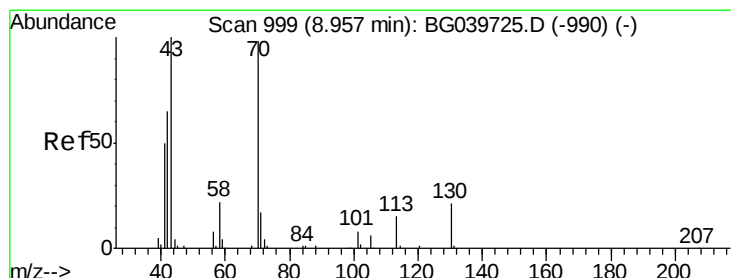
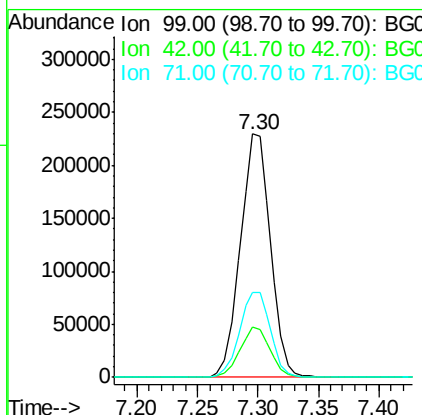
Tgt Ion: 99 Resp: 399927

Ion Ratio Lower Upper

99 100

42 20.4 18.2 27.2

71 35.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.448 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.38 min

Lab File: BG039894.D

Acq: 13 Mar 2019 4:48

Tgt Ion: 70 Resp: 40506

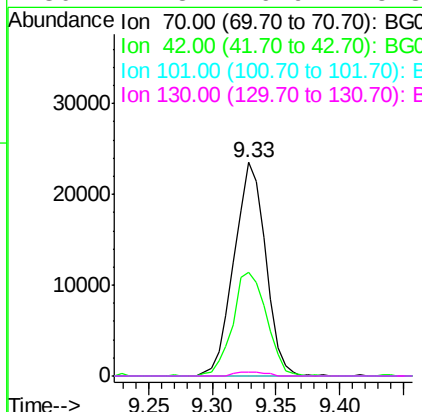
Ion Ratio Lower Upper

70 100

42 48.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.8 16.9 25.3#

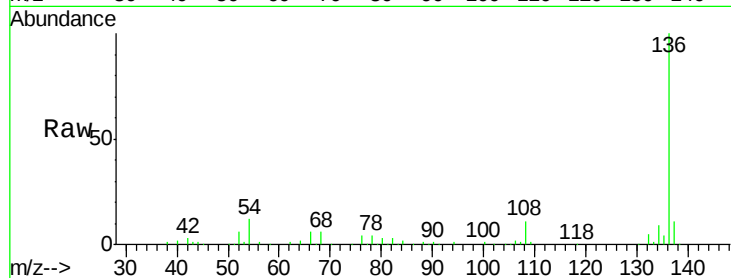




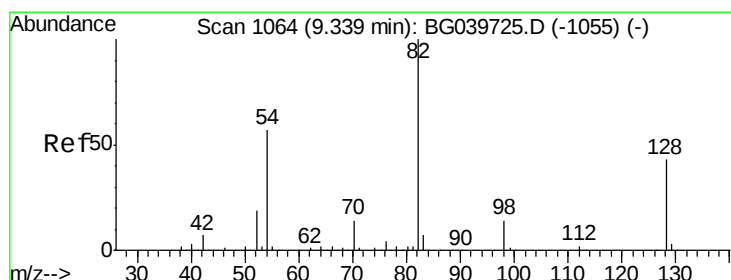
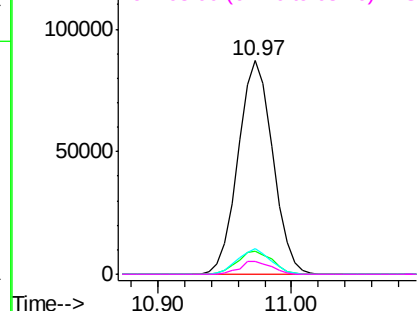
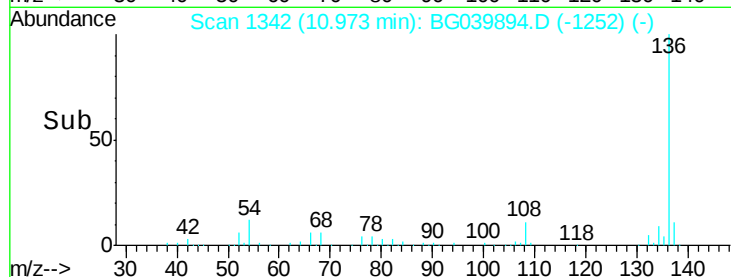
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SU-04-031119-A

Tgt Ion: 136 Resp: 156445
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 11.9 9.4 14.2
68 6.2 4.2 6.4

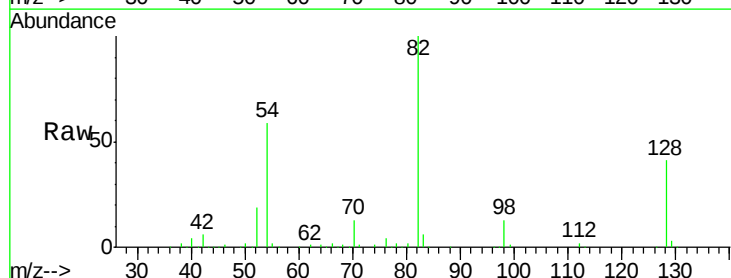


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

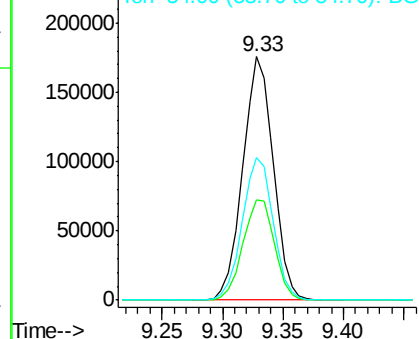
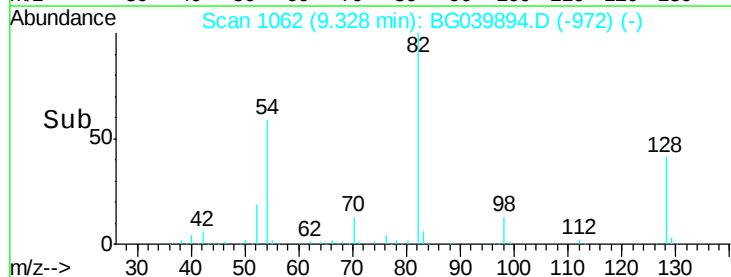


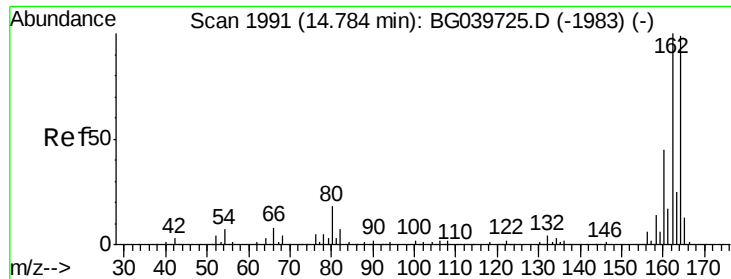
#23
Nitrobenzene-d5
Concen: 107.336 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Tgt Ion: 82 Resp: 310482
Ion Ratio Lower Upper
82 100
128 41.4 31.3 46.9
54 58.5 50.9 76.3



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG039894.D

Acq: 13 Mar 2019 4:48

Instrument :

BNA_G

ClientSampleId :

SU-04-031119-A

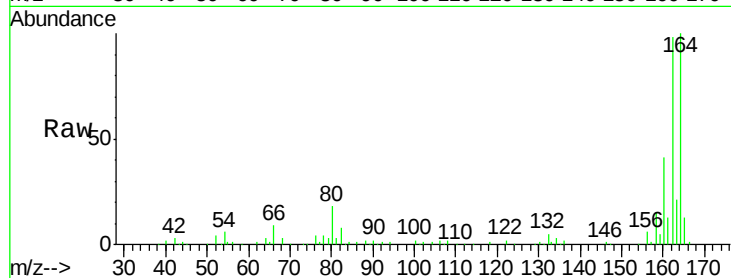
Tgt Ion:164 Resp: 109165

Ion Ratio Lower Upper

164 100

162 97.7 81.6 122.4

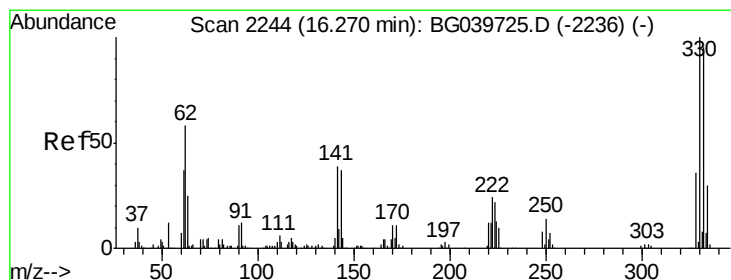
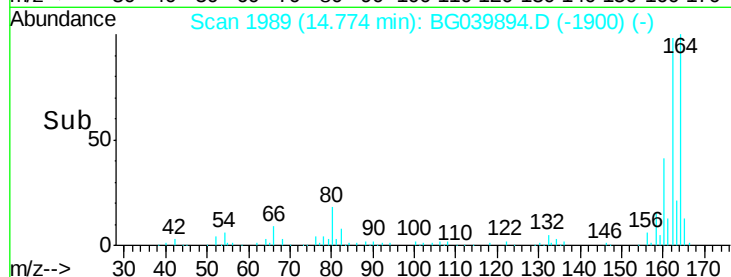
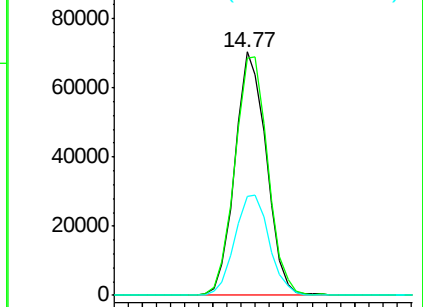
160 40.9 34.2 51.2



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: 144.993 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.00 min

Lab File: BG039894.D

Acq: 13 Mar 2019 4:48

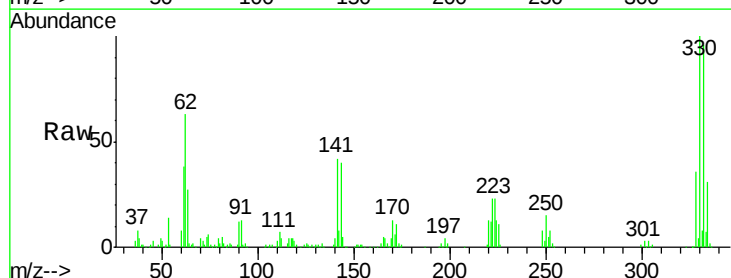
Tgt Ion:330 Resp: 184489

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

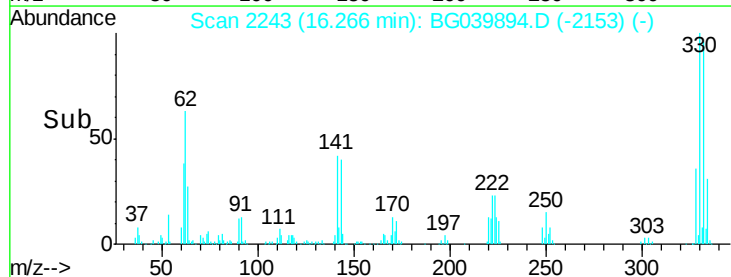
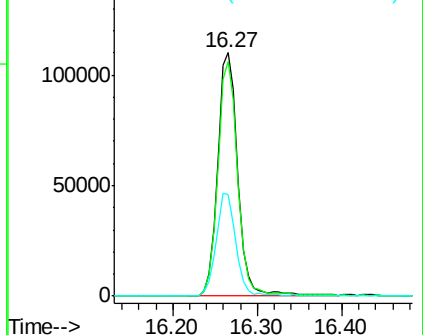
141 41.6 35.6 53.4



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

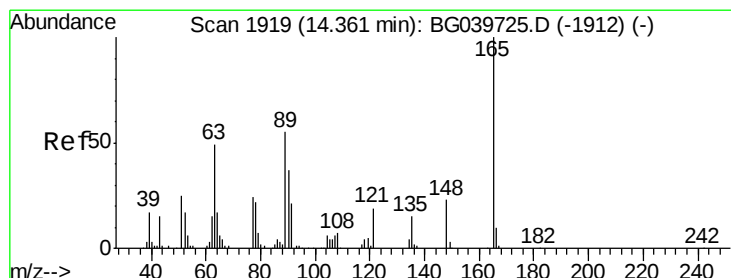
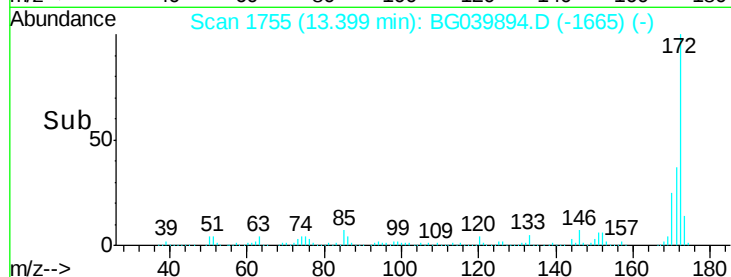
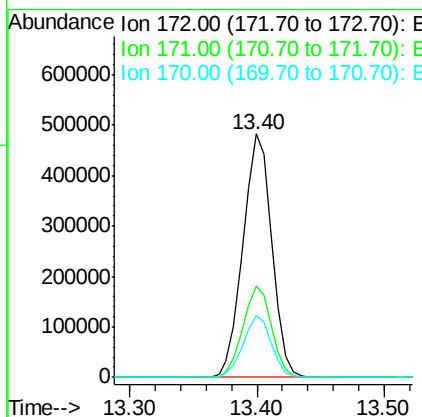
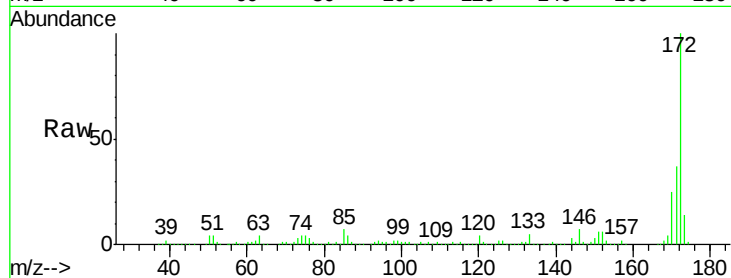




#45
 2-Fluorobiphenyl
 Concen: 99.361 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BG039894.D
 Acq: 13 Mar 2019 4:48

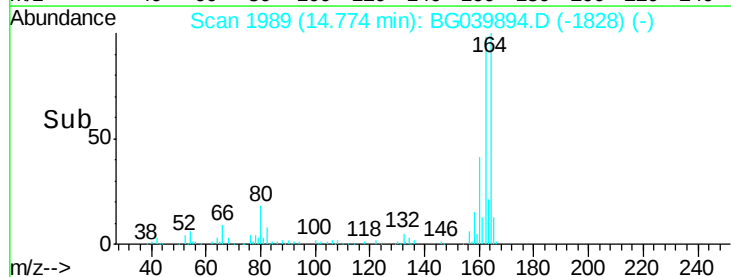
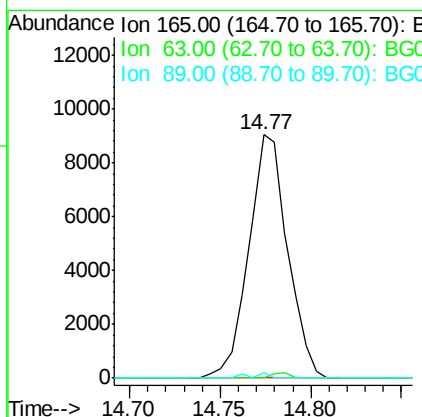
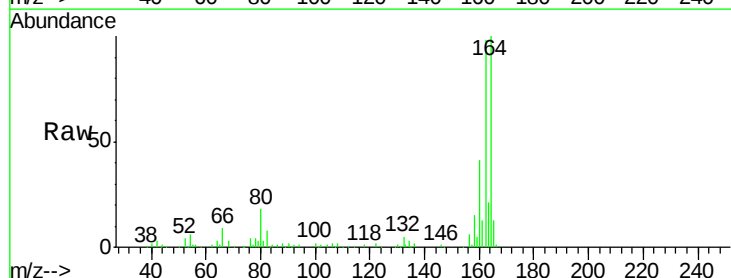
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-031119-A

Tgt Ion:172 Resp: 761797
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.8 46.2
 170 25.2 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 6.932 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.42 min
 Lab File: BG039894.D
 Acq: 13 Mar 2019 4:48

Tgt Ion:165 Resp: 13414
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.3 45.8 68.8#

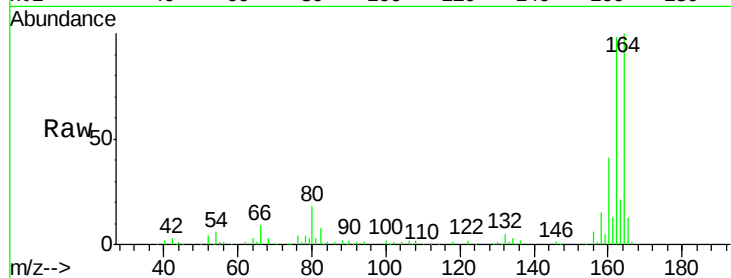




#57
 2,4-Dinitrotoluene
 Concen: 4.933 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.36 min
 Lab File: BG039894.D
 Acq: 13 Mar 2019 4:48

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-031119-A

Tgt Ion:	165	Resp:	13414
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	2.3	64.6	96.8#
182	0.0	2.0	3.0#

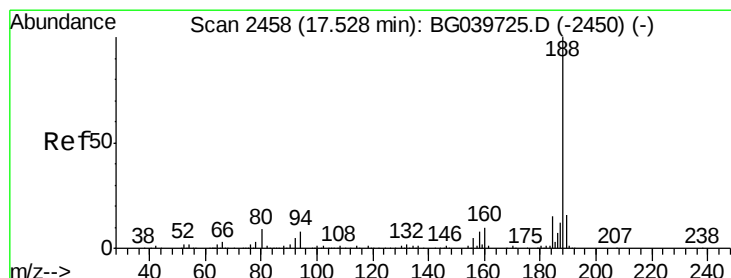
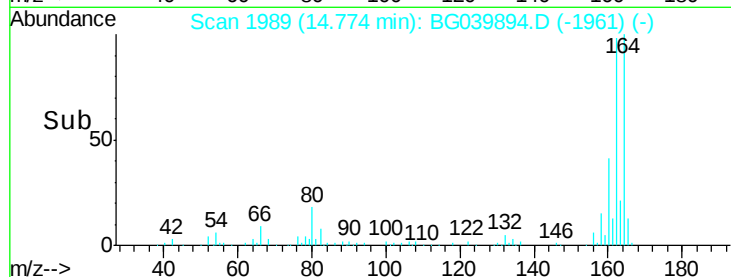
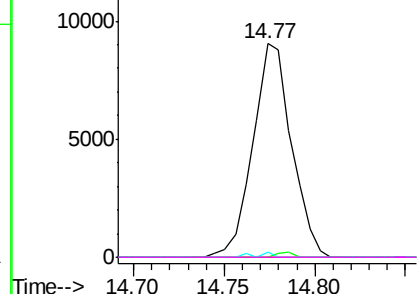


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

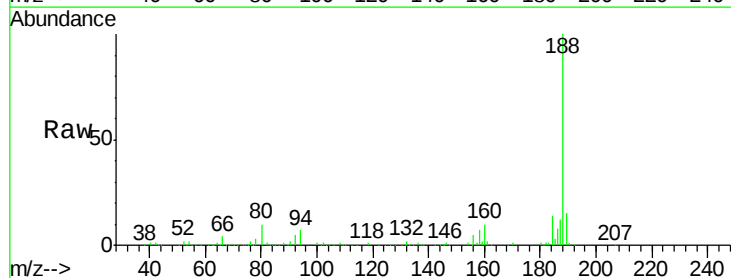
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2457
 Delta R.T. -0.00 min
 Lab File: BG039894.D
 Acq: 13 Mar 2019 4:48

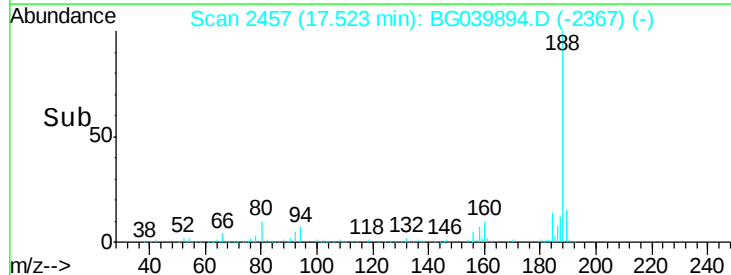
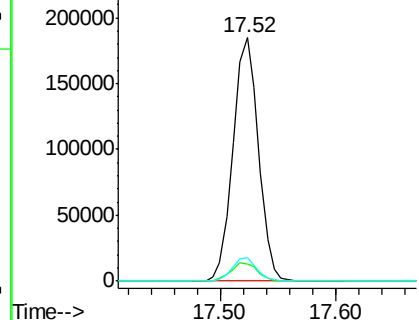
Tgt Ion:	188	Resp:	281888
Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.9	10.3
80	9.8	8.1	12.1

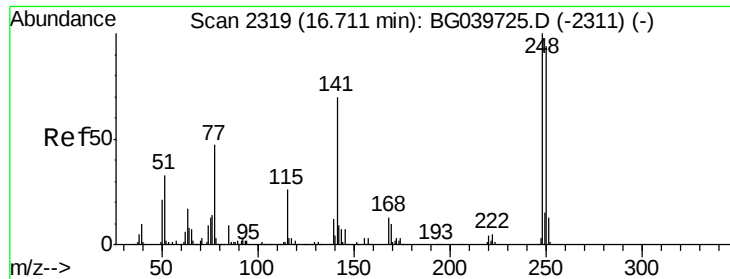


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

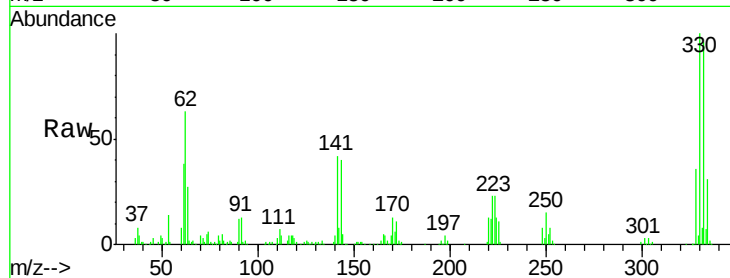




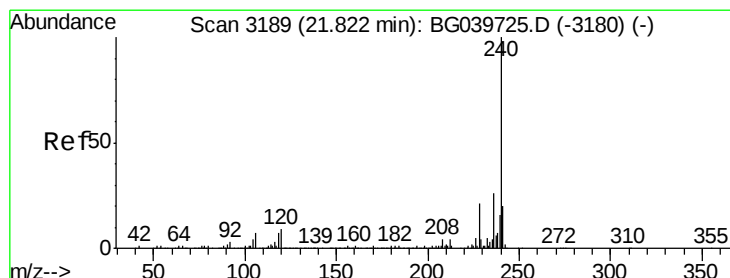
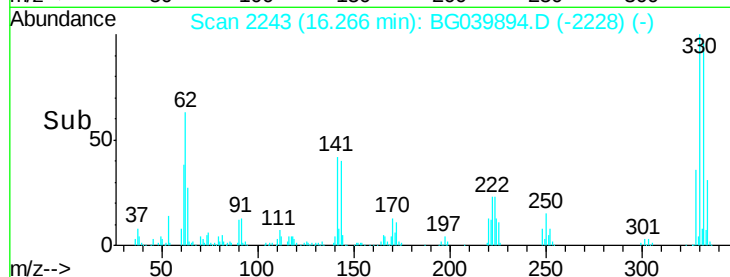
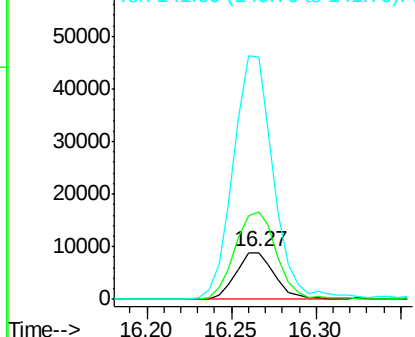
#67
4-Bromophenyl-phenylether
Concen: 4.520 ng
RT: 16.27 min Scan# 2243
Delta R.T. -0.44 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SU-04-031119-A

Tgt Ion:248 Resp: 14263
Ion Ratio Lower Upper
248 100
250 184.9 77.6 116.4#
141 514.8 63.9 95.9#

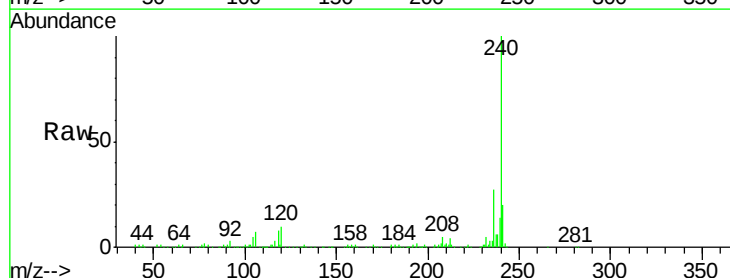


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

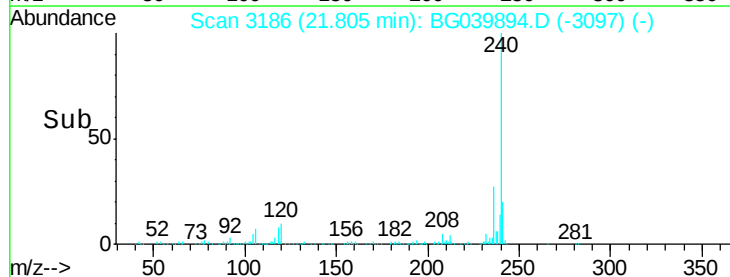
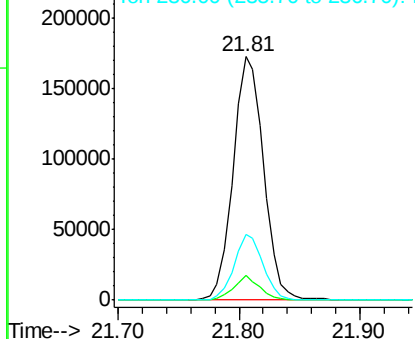


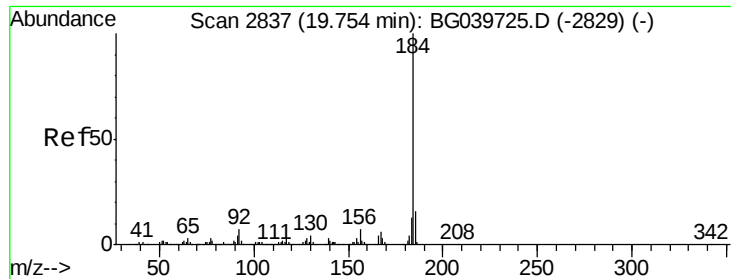
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.01 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Tgt Ion:240 Resp: 302724
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.6
236 27.1 21.0 31.4



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

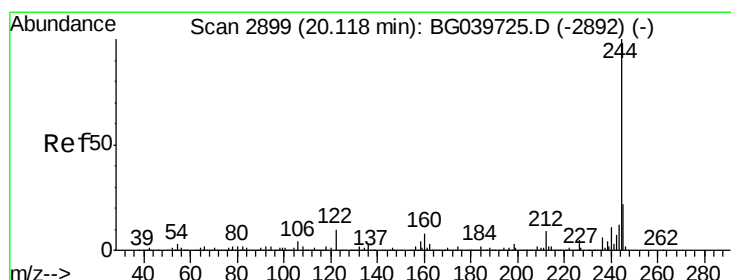
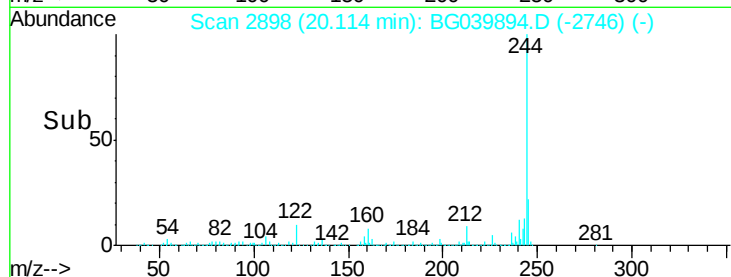
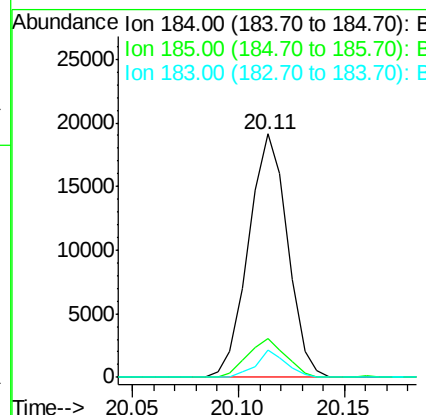
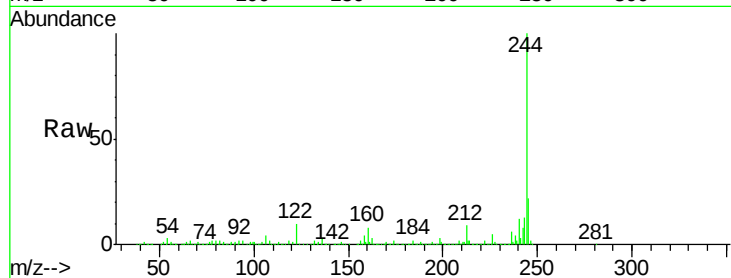




#77
Benzidine
Concen: 2.548 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

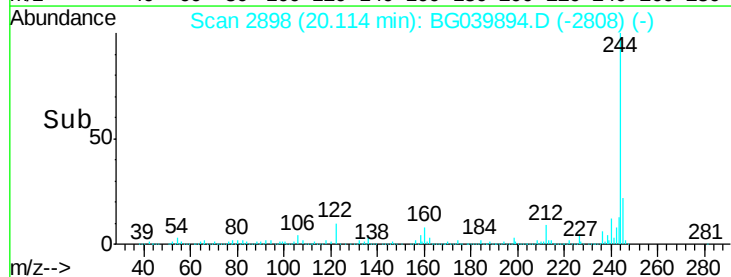
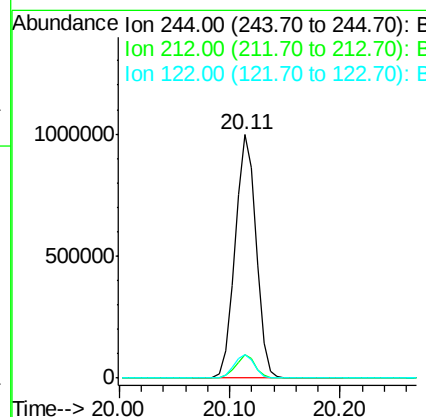
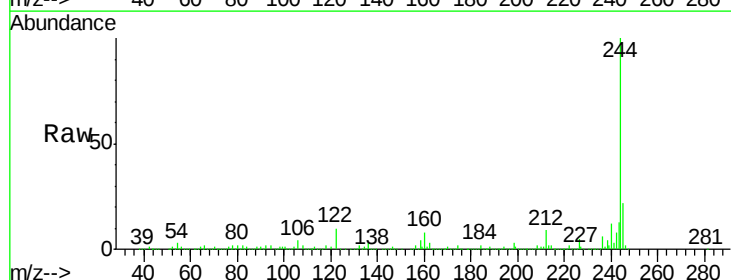
Instrument :
BNA_G
ClientSampleId :
SU-04-031119-A

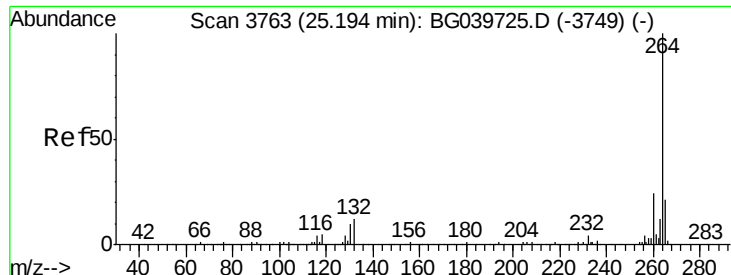
Tgt Ion:184 Resp: 24480
Ion Ratio Lower Upper
184 100
185 16.0 12.2 18.2
183 11.3 10.6 15.8



#79
Terphenyl-d14
Concen: 96.906 ng
RT: 20.11 min Scan# 2898
Delta R.T. -0.00 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Tgt Ion:244 Resp: 1332344
Ion Ratio Lower Upper
244 100
212 9.5 7.3 10.9
122 9.9 8.4 12.6

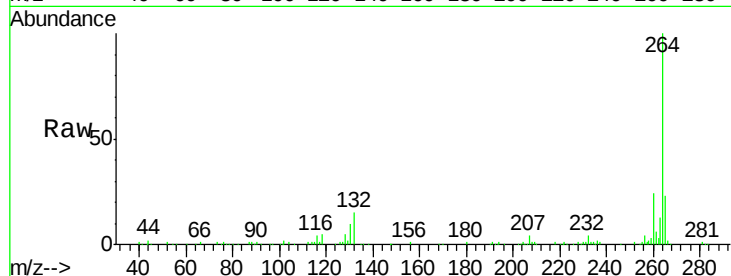




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3760
Delta R.T. -0.01 min
Lab File: BG039894.D
Acq: 13 Mar 2019 4:48

Instrument :
BNA_G
ClientSampleId :
SU-04-031119-A

Tgt Ion:	264	Resp:	300558
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.2	27.4
265	22.8	18.5	27.7



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

