

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\
 Data File : BG039970.D
 Acq On : 16 Mar 2019 10:27
 Operator : JU/SJ
 Sample : K1685-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-B

Quant Time: Mar 18 01:08:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

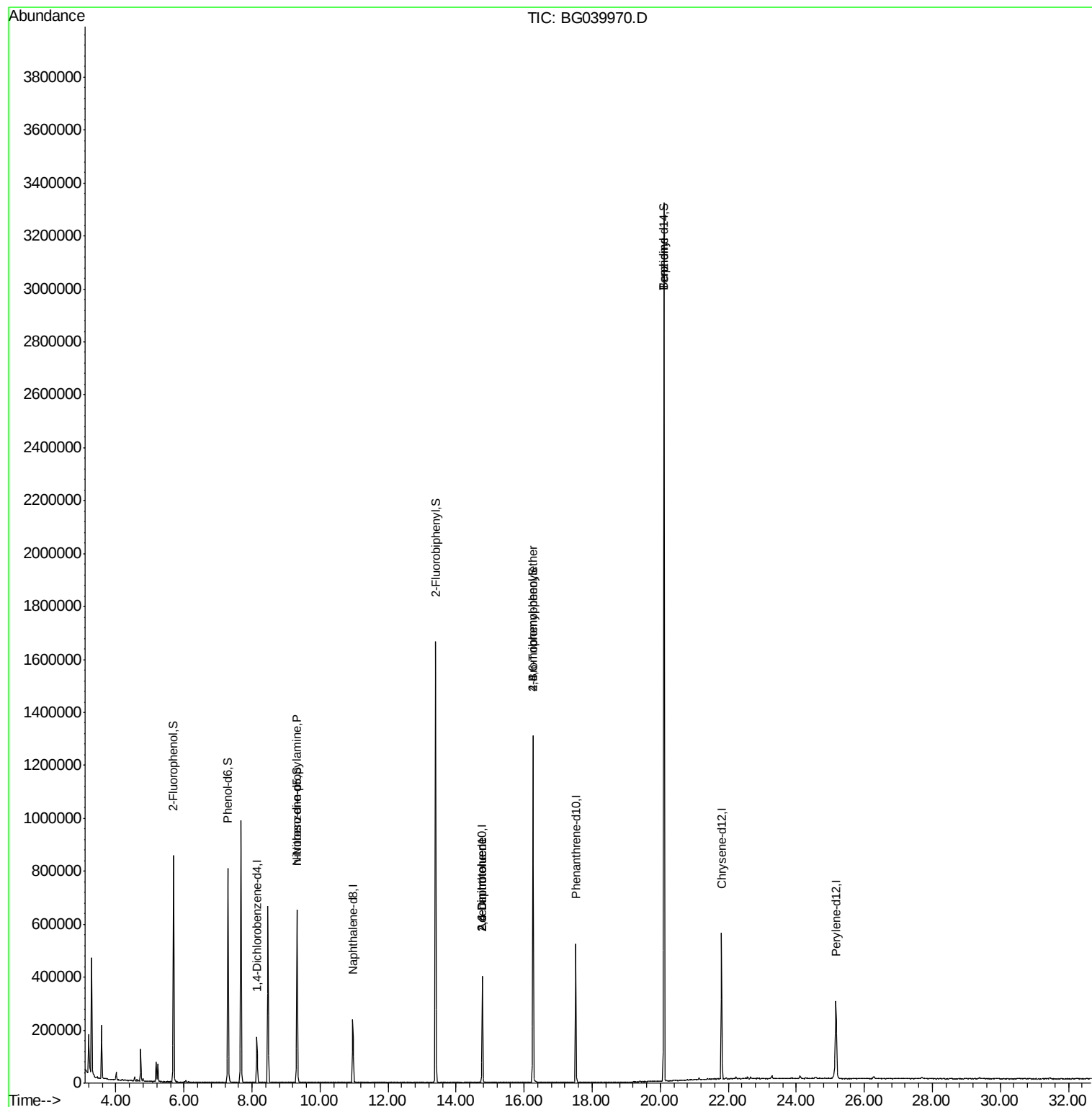
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	46384	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	196504	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	136567	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	333105	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	334030	20.00	ng	-0.02
87) Perylene-d12	25.17	264	332325	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	343862	126.47	ng	-0.02
7) Phenol-d6	7.29	99	444571	109.66	ng	-0.02
23) Nitrobenzene-d5	9.33	82	383899	105.66	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	233767	146.86	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	871400	90.85	ng	-0.02
79) Terphenyl-d14	20.11	244	1480345	97.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	50172	17.194	ng	# 71
51) 2,6-Dinitrotoluene	14.77	165	17289	7.142	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	17289	5.083	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	17703	4.748	ng	# 1
77) Benzidine	20.11	184	28288	2.669	ng	# 92

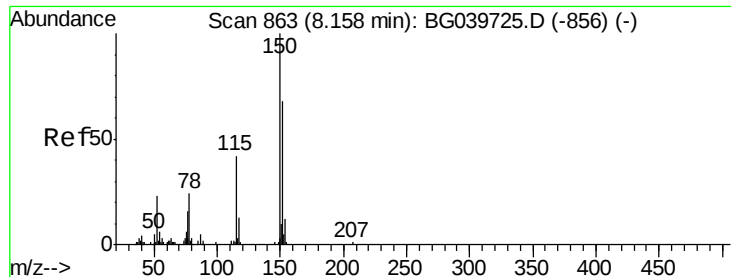
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\
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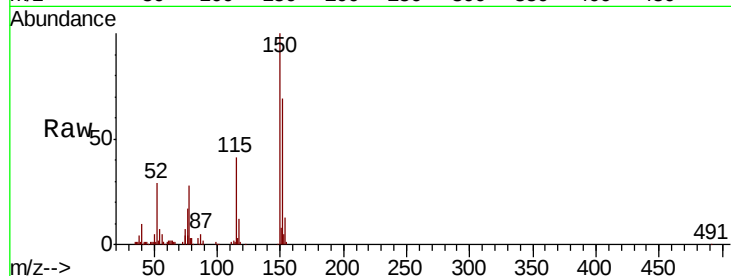


#1

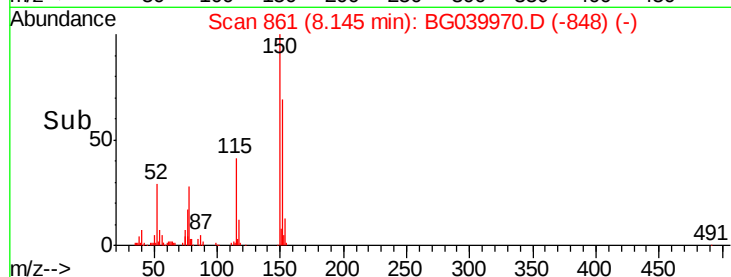
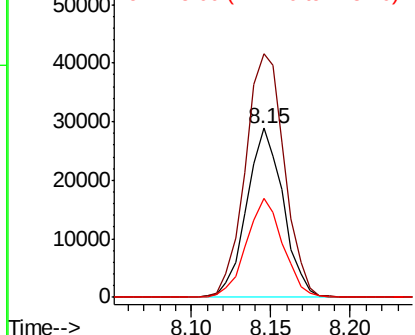
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.2	123.7	185.5
115	58.8	45.9	68.9



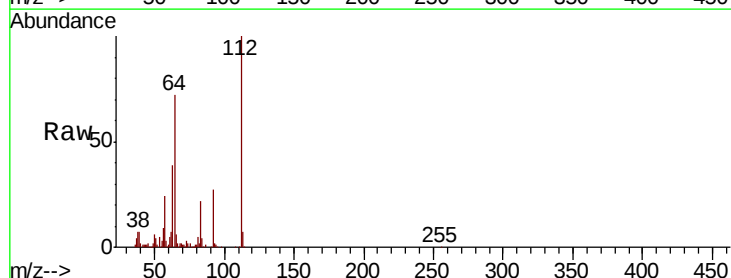
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



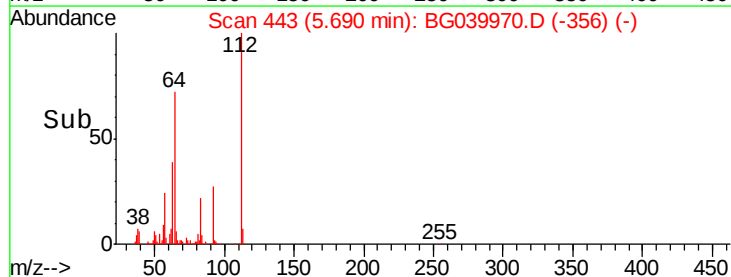
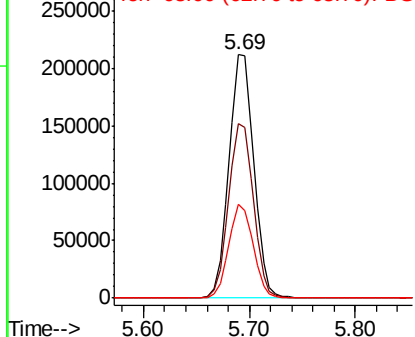
#5

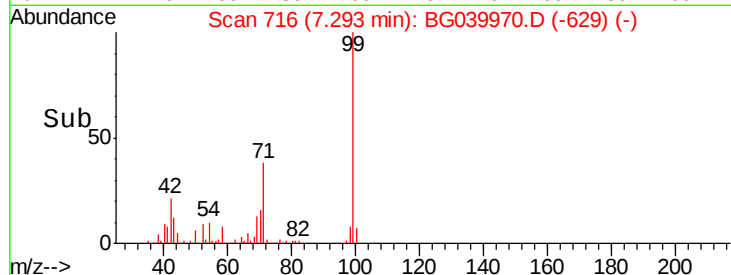
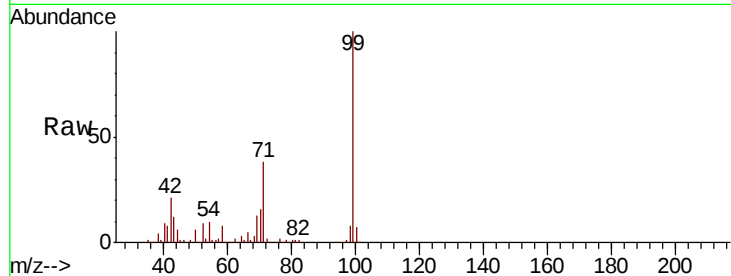
2-Fluorophenol
Concen: 126.473 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.8	86.8
63	38.7	29.8	44.6



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: 109.663 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA_G

ClientSampled :

AU-05-031419-B

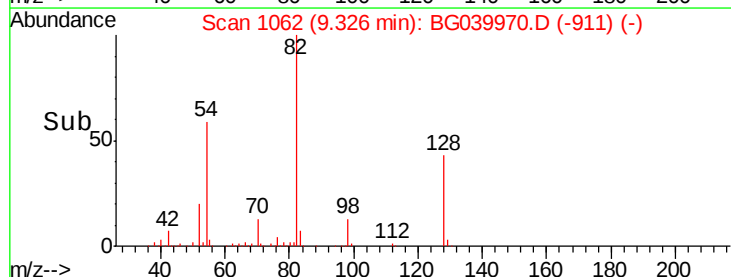
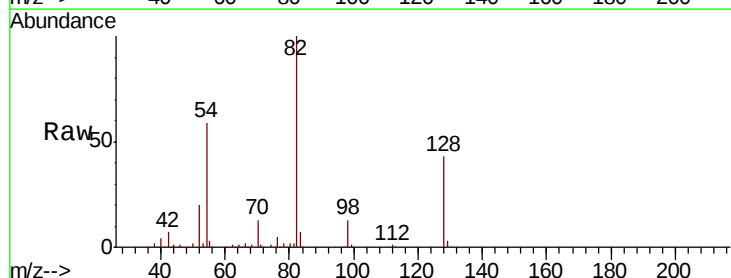
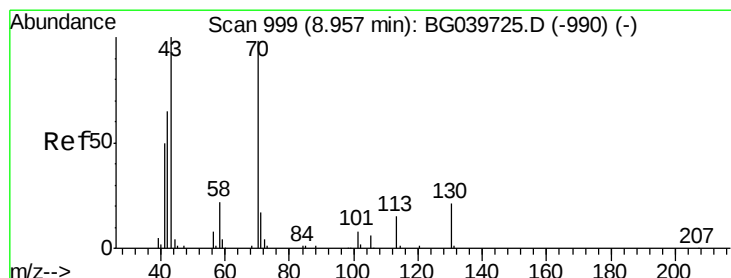
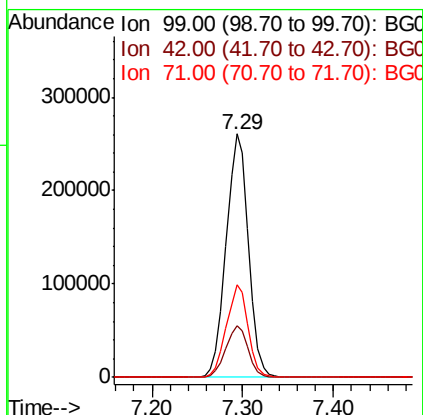
Tot Ion: 99 Resp: 444571

Ion Ratio Lower Upper

99 100

42 21.2 18.2 27.2

71 38.3 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.194 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Tgt Ion: 70 Resp: 50172

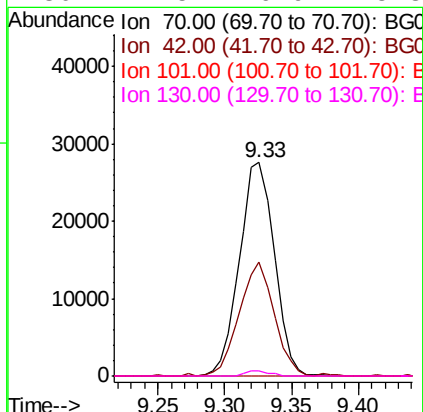
Ion Ratio Lower Upper

70 100

42 53.5 60.4 90.6#

101 0.0 7.5 11.3#

130 2.5 16.9 25.3#

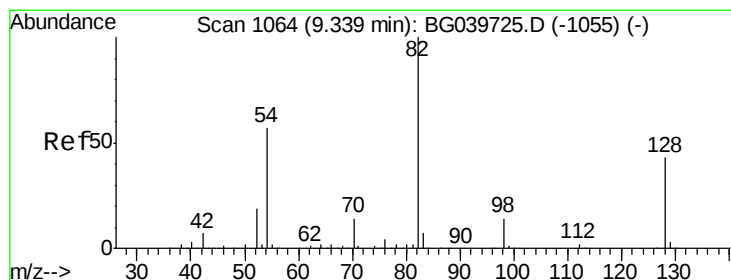
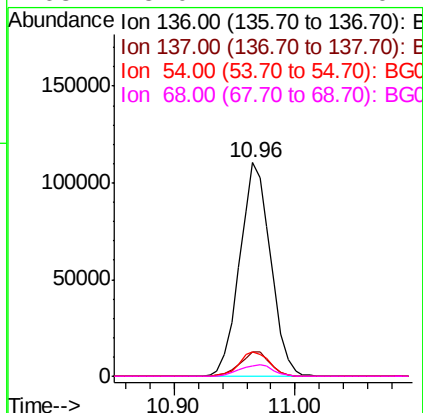
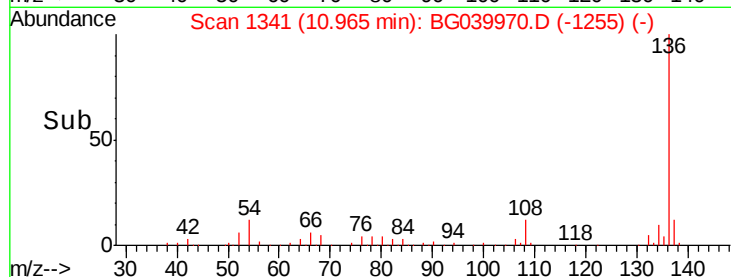
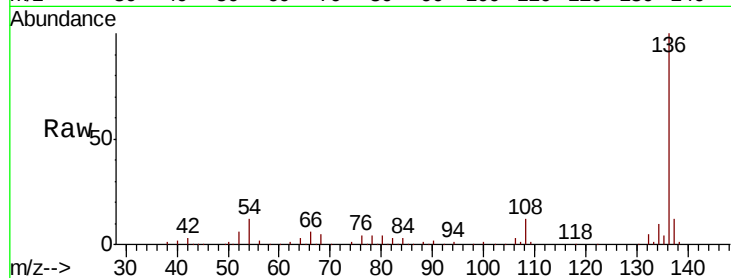




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

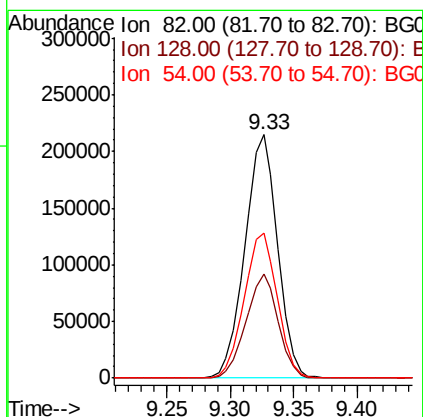
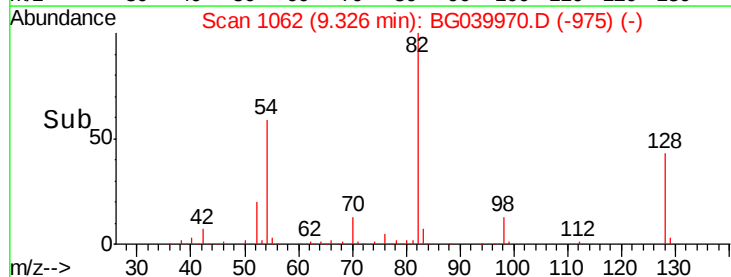
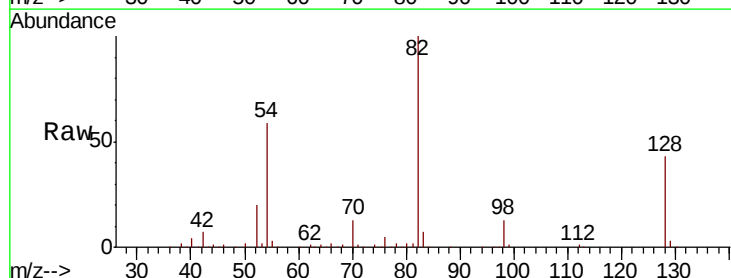
Instrument :
BNA_G
ClientSampleId :
AU-05-031419-B

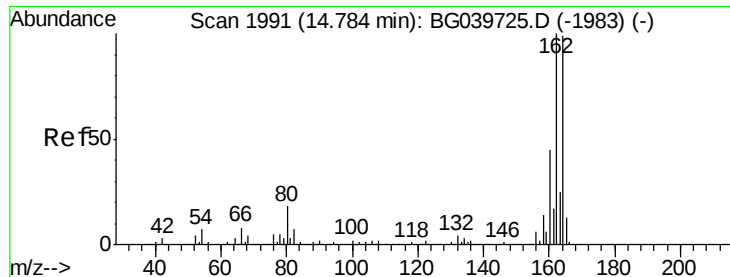
Tot Ion:136	Resp:	196504
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.1 13.7
54	11.7	9.4 14.2
68	5.0	4.2 6.4



#23
Nitrobenzene-d5
Concen: 105.661 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Tgt Ion: 82	Resp:	383899
Ion	Ratio	Lower Upper
82	100	
128	42.8	31.3 46.9
54	59.4	50.9 76.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-B

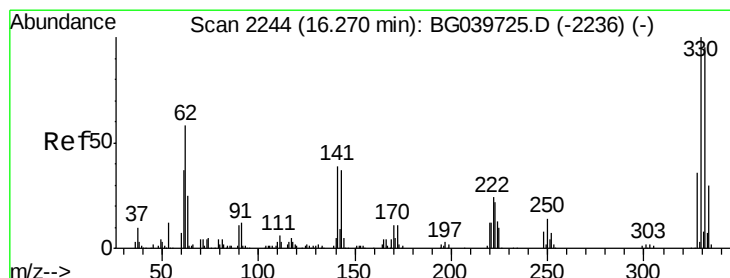
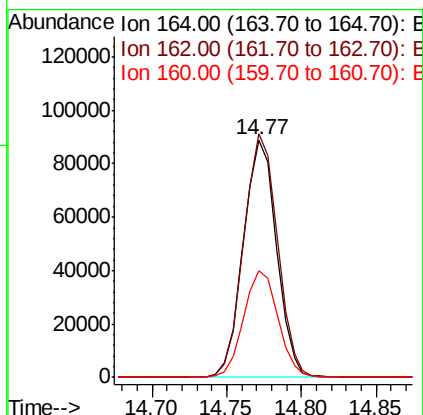
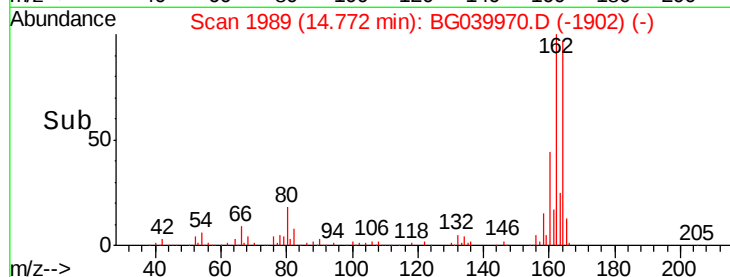
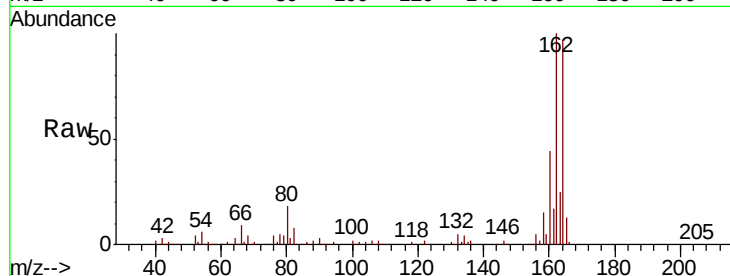
Tot Ion:164 Resp: 136567

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

160 44.8 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 146.858 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

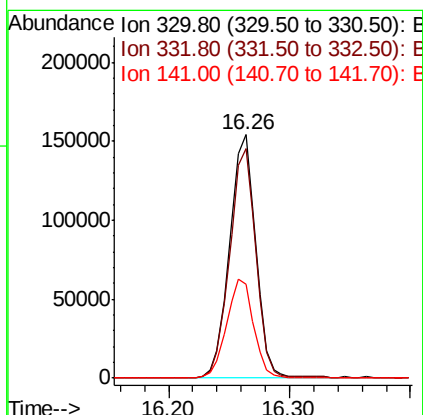
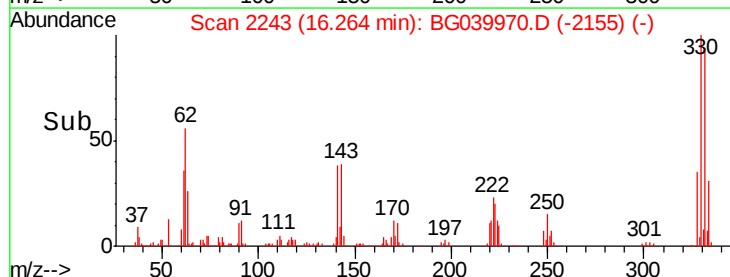
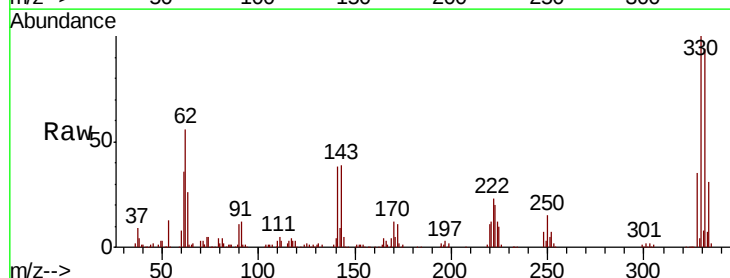
Tgt Ion:330 Resp: 233767

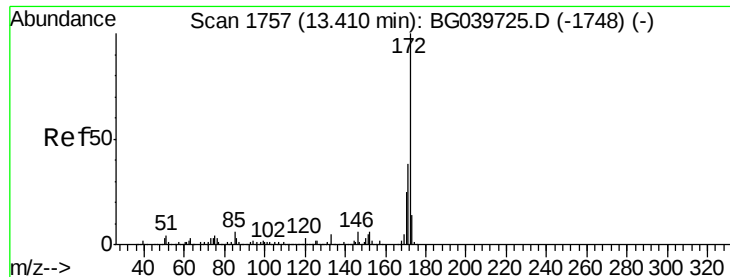
Ion Ratio Lower Upper

330 100

332 94.3 75.7 113.5

141 41.7 35.6 53.4

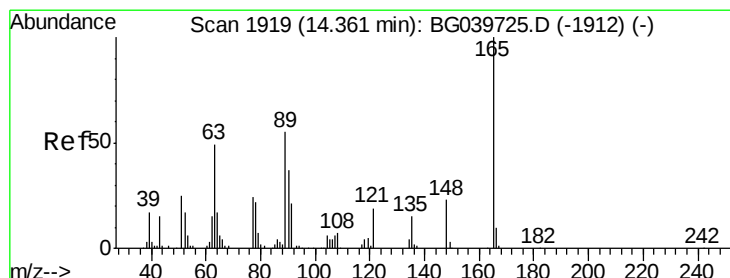
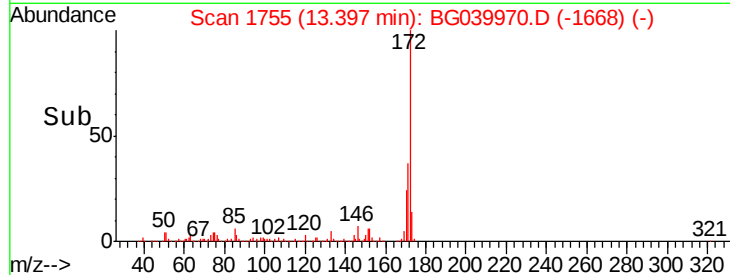
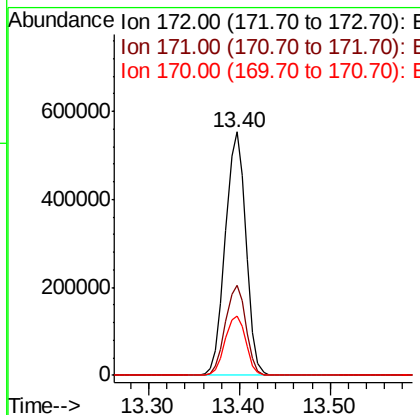
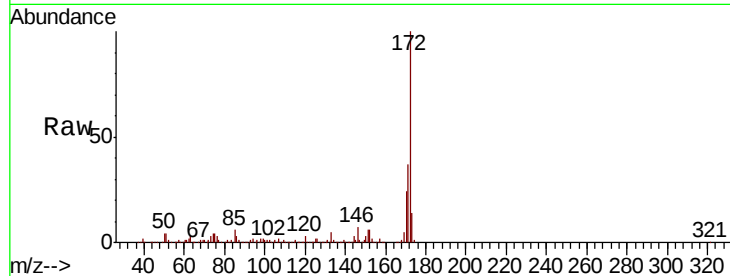




#45
2-Fluorobiphenyl
Concen: 90.851 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

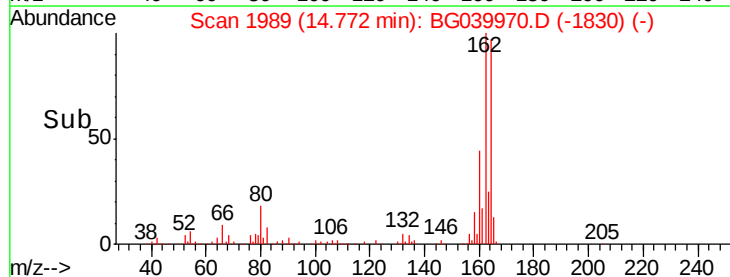
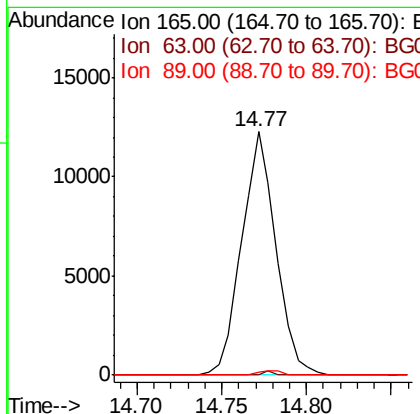
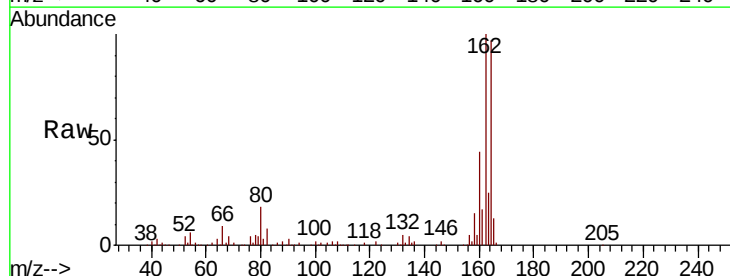
Instrument :
BNA_G
ClientSampleId :
AU-05-031419-B

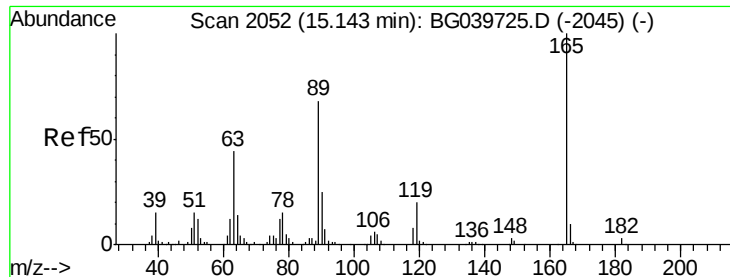
Tot Ion:172 Resp: 871400
Ion Ratio Lower Upper
172 100
171 37.1 30.8 46.2
170 24.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.142 ng
RT: 14.77 min Scan# 1989
Delta R.T. 0.40 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Tgt Ion:165 Resp: 17289
Ion Ratio Lower Upper
165 100
63 0.0 47.0 70.6#
89 1.5 45.8 68.8#

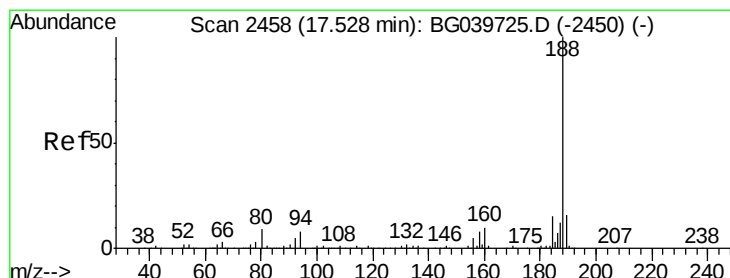
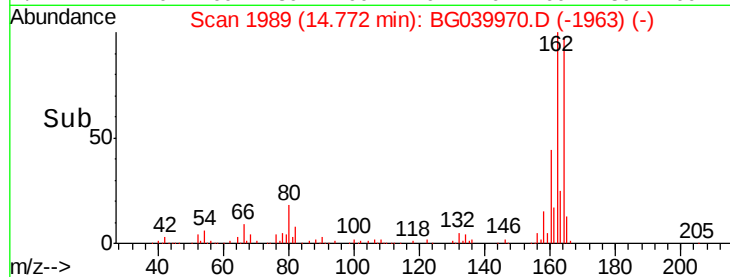
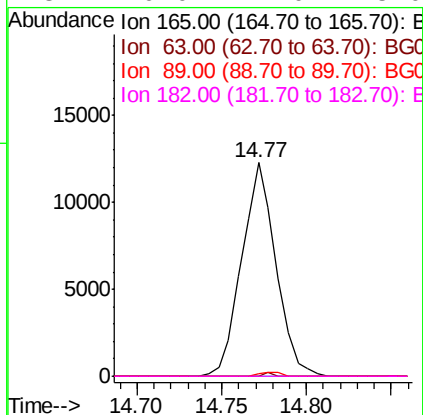
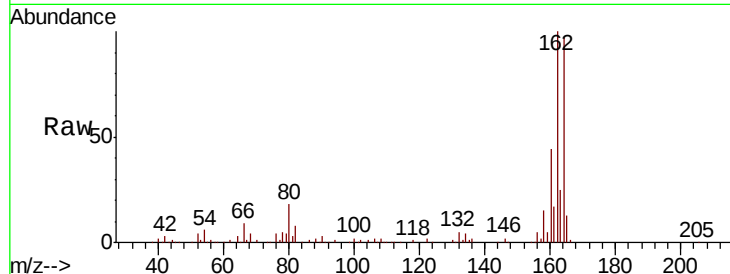




#57
 2,4-Dinitrotoluene
 Concen: 5.083 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039970.D
 Acq: 16 Mar 2019 10:27

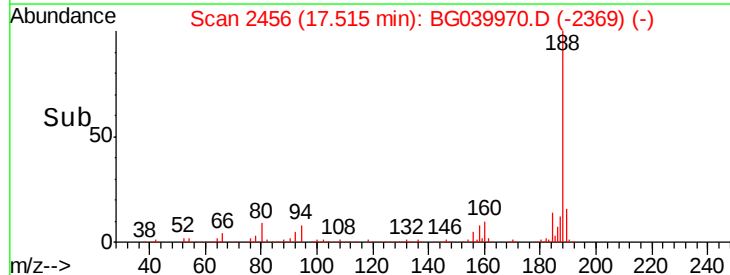
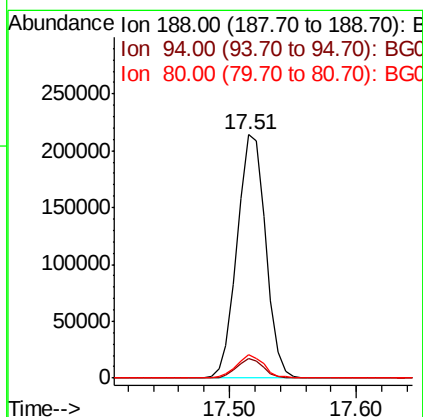
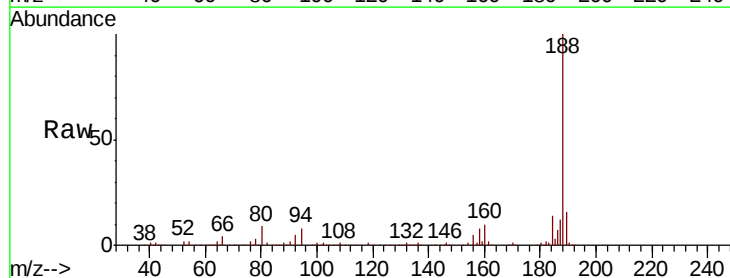
Instrument :
 BNA_G
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 AU-05-031419-B

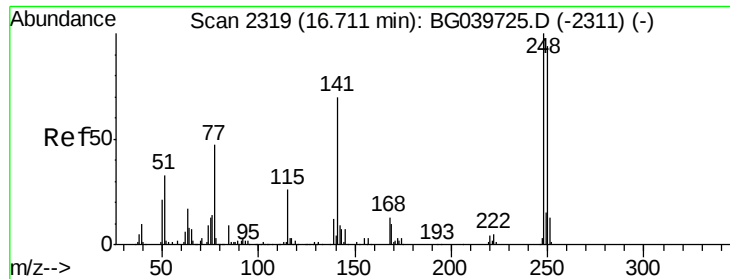
Tot Ion:165	Resp:	17289
Ion Ratio	Lower	Upper
165 100		
63 0.0	41.0	61.6#
89 1.5	64.6	96.8#
182 0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039970.D
 Acq: 16 Mar 2019 10:27

Tgt	Ion:188	Resp:	333105
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.4	8.1	12.1

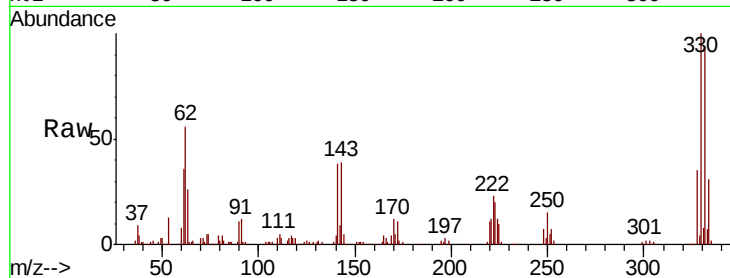




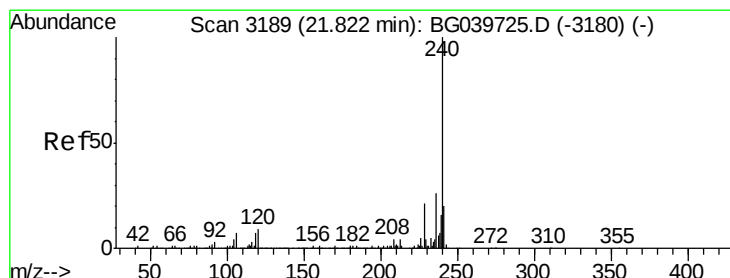
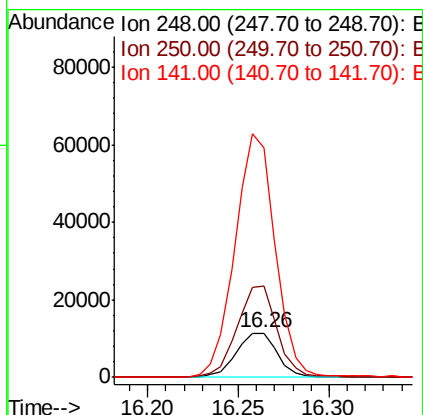
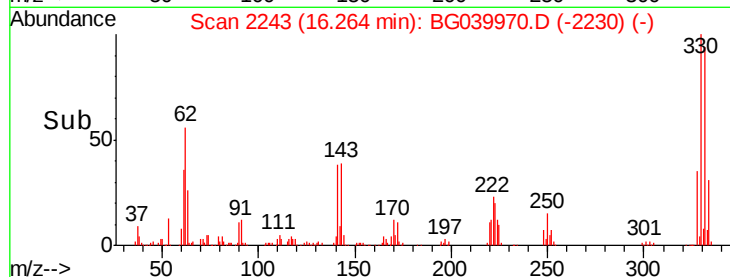
#67
4-Bromophenyl-phenylether
Concen: 4.748 ng
RT: 16.26 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Instrument :
BNA_G
ClientSampleId :
AU-05-031419-B

Tot Ion:248 Resp: 17703
Ion Ratio Lower Upper
248 100
250 206.8 77.6 116.4#
141 522.7 63.9 95.9#

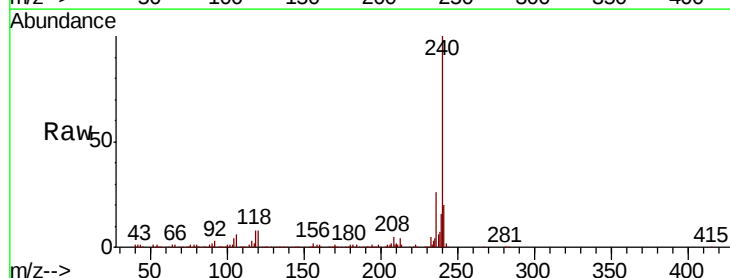


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

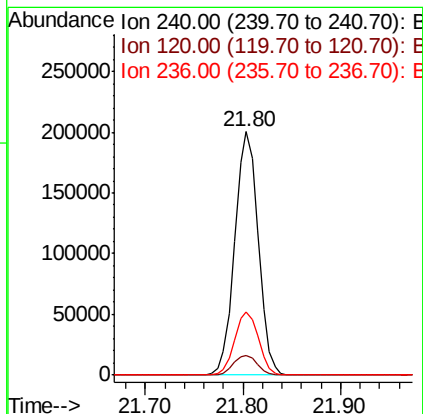
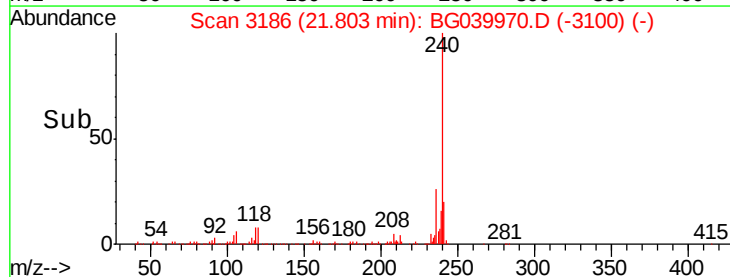


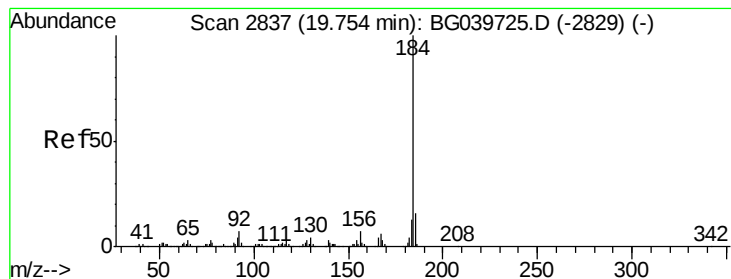
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039970.D
Acq: 16 Mar 2019 10:27

Tgt Ion:240 Resp: 334030
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 25.8 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: 2.669 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

Instrument :

BNA_G

ClientSampleId :

AU-05-031419-B

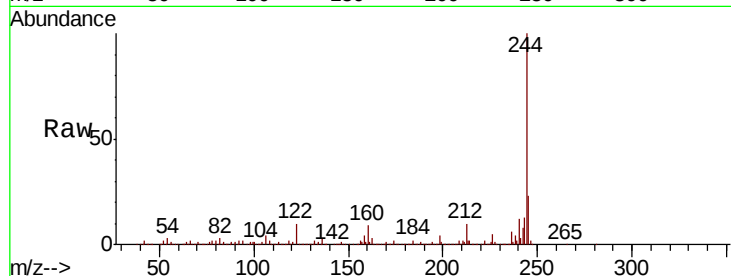
Tot Ion:184 Resp: 28288

Ion Ratio Lower Upper

184 100

185 16.9 12.2 18.2

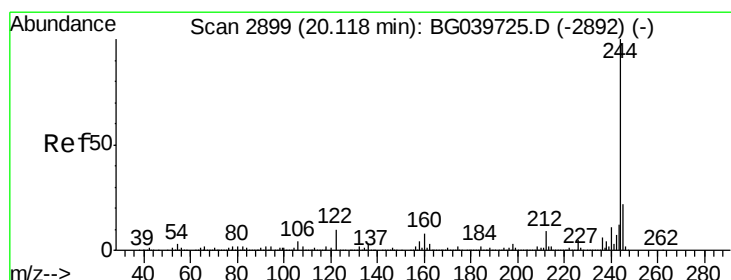
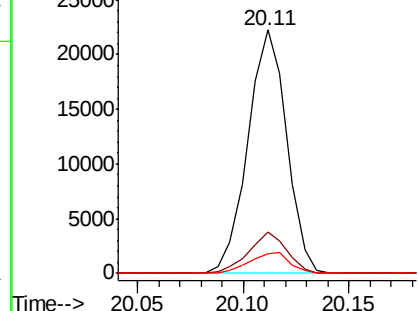
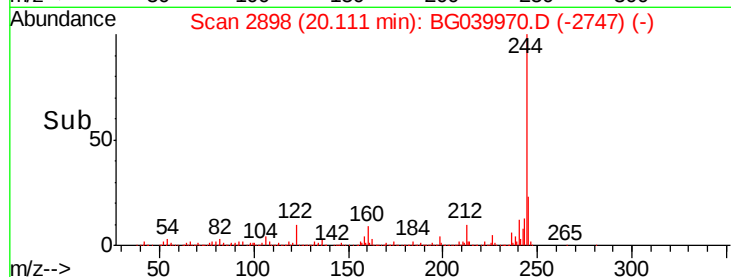
183 8.0 10.6 15.8#



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: 97.579 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039970.D

Acq: 16 Mar 2019 10:27

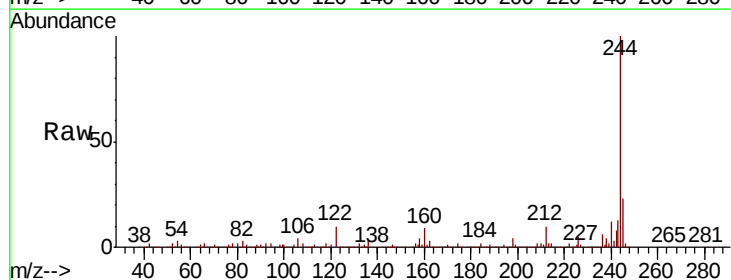
Tgt Ion:244 Resp: 1480345

Ion Ratio Lower Upper

244 100

212 9.9 7.3 10.9

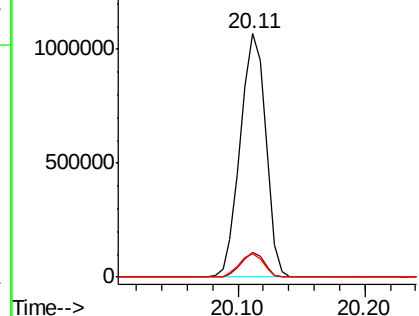
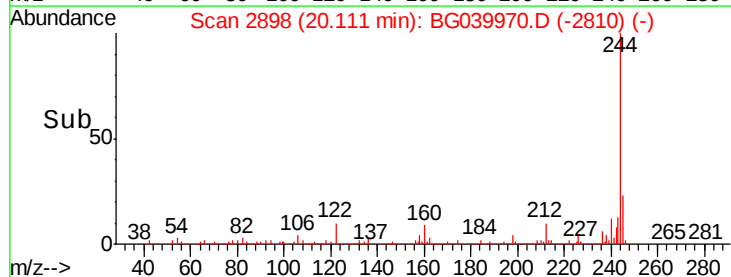
122 9.6 8.4 12.6

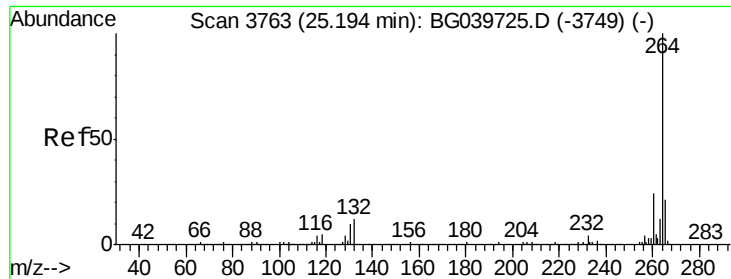


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.17 min Scan# 3759
 Delta R.T. -0.03 min
 Lab File: BG039970.D
 Acq: 16 Mar 2019 10:27

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-031419-B

Tot Ion:	264	Resp:	332325
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	21.7	18.5	27.7

