

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050819\
 Data File : BG040816.D
 Acq On : 9 May 2019 10:52
 Operator : HP/JU
 Sample : K2645-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 09 15:00:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

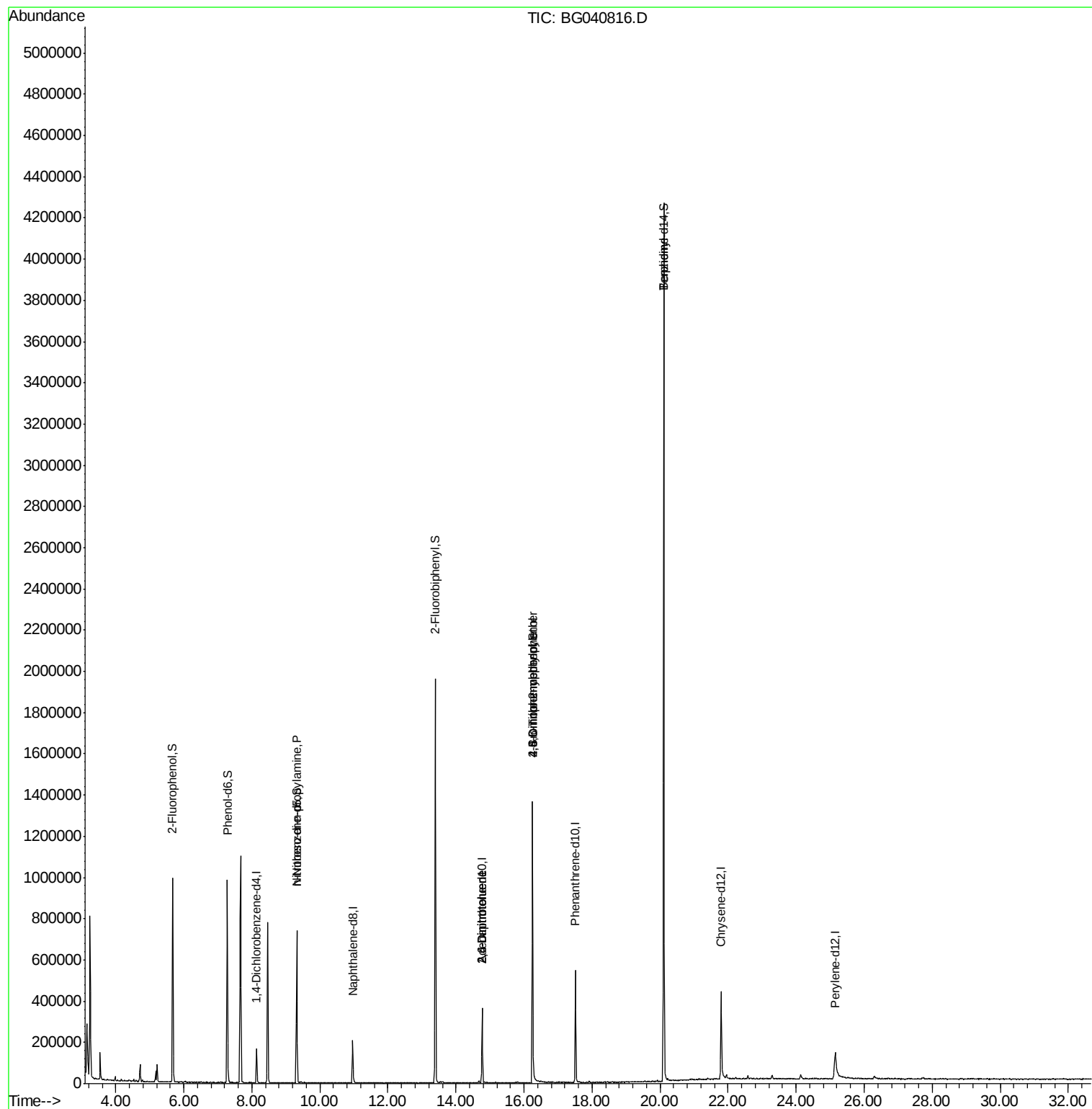
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41762	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	163591	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	123577	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	343135	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	325549	20.00	ng	-0.03
87) Perylene-d12	25.15	264	223382	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	371680	156.89	ng	-0.01
7) Phenol-d6	7.28	99	488642	133.96	ng	-0.01
23) Nitrobenzene-d5	9.32	82	434796	122.81	ng	-0.02
42) 2,4,6-Tribromophenol	16.25	330	258574	152.23	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	968281	113.16	ng	-0.02
79) Terphenyl-d14	20.11	244	1935150	131.69	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.29	77	1070	Below Cal	Qvalue	# 19
19) n-Nitroso-di-n-propylamine	9.32	70	63163	19.236 ng	#	69
51) 2,6-Dinitrotoluene	14.77	165	15517	7.690 ng	#	15
57) 2,4-Dinitrotoluene	14.77	165	15517	5.659 ng	#	17
65) 4,6-Dinitro-2-methylphenol	16.25	198	716	7.462 ng	#	1
67) 4-Bromophenyl-phenylether	16.26	248	19767	4.624 ng	#	1
77) Benizidine	20.11	184	36799	4.128 ng	#	93

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

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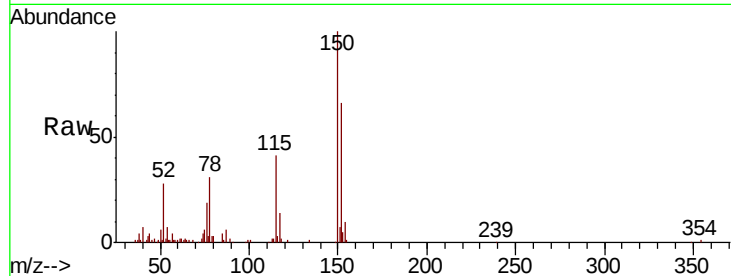


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	120.2	180.2
115	61.5	46.2	69.2

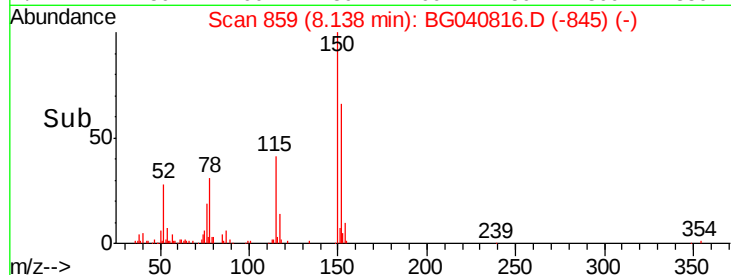
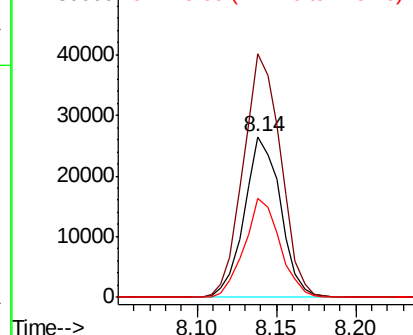


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

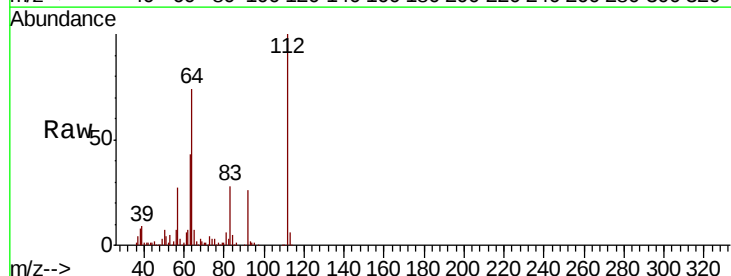
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 156.885 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.01 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	61.4	92.0
63	42.6	37.8	56.6

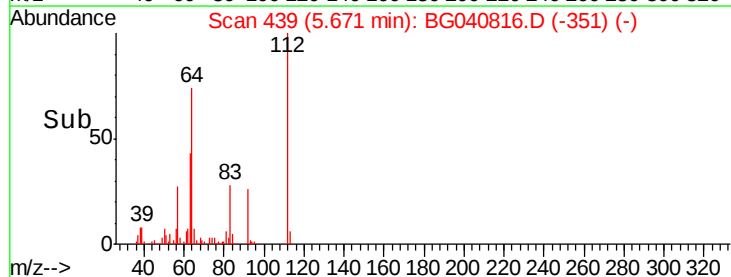
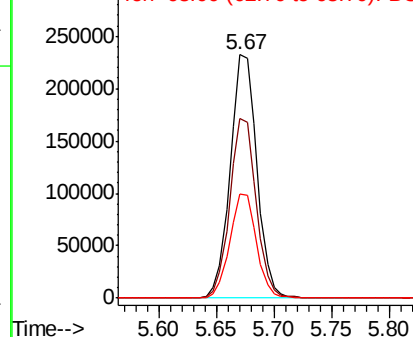


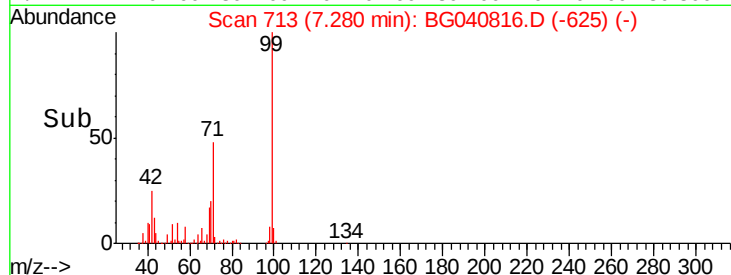
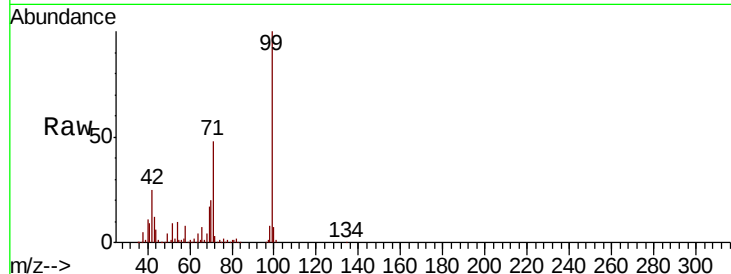
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0

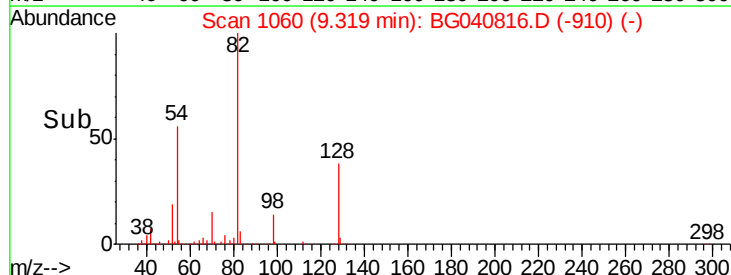
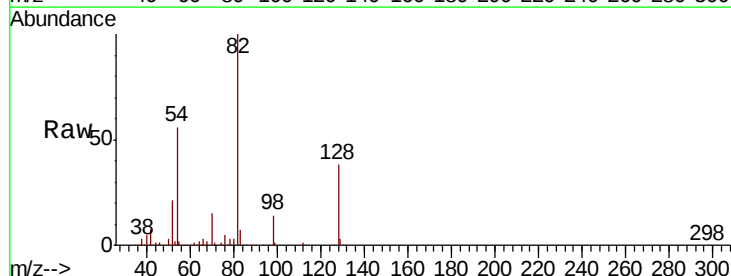
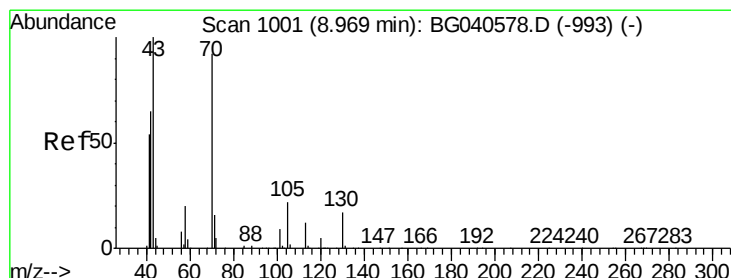
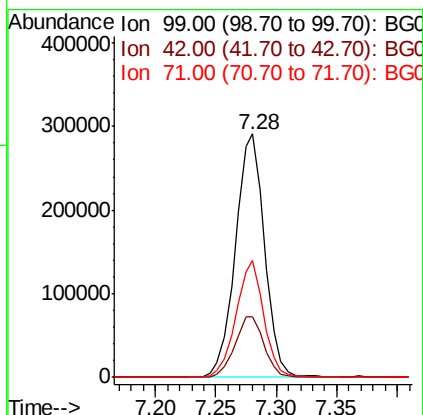




#7
Phenol-d6
Concen: 133.956 ng
RT: 7.28 min Scan# 713
Delta R.T. -0.01 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

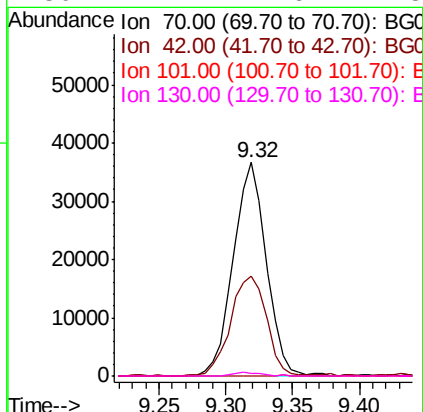
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
99	100		
42	25.0	21.8	32.8
71	47.8	38.6	57.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.236 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.9	57.1	85.7#
101	0.0	7.8	11.8#
130	1.1	14.6	21.8#

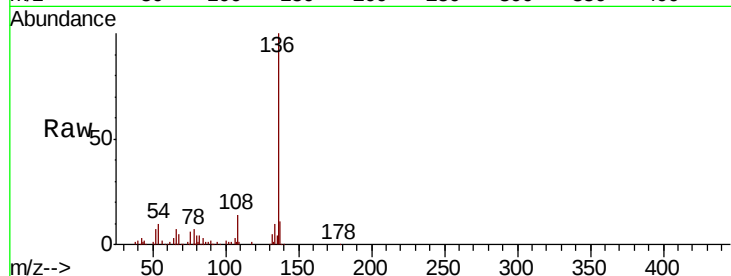




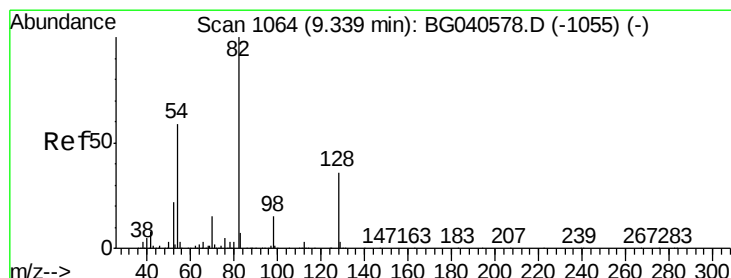
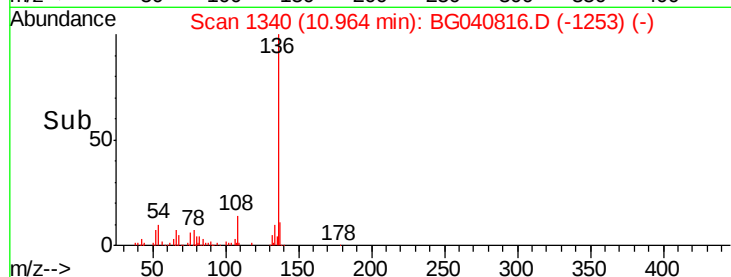
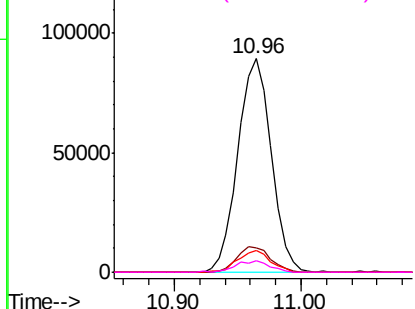
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	163591
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.7 14.5
54	10.4	8.6 12.8
68	5.2	4.8 7.2

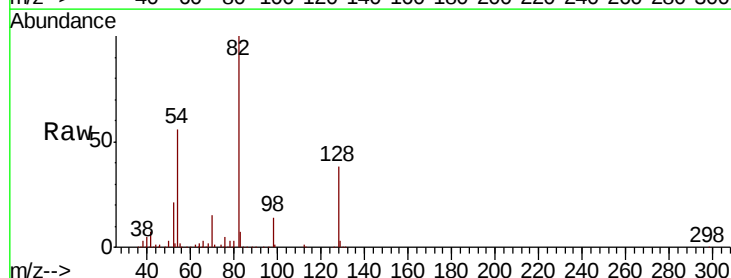


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

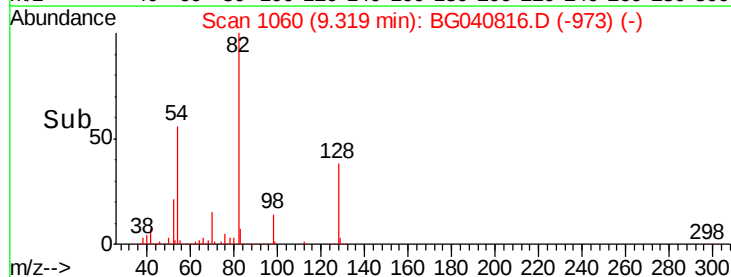
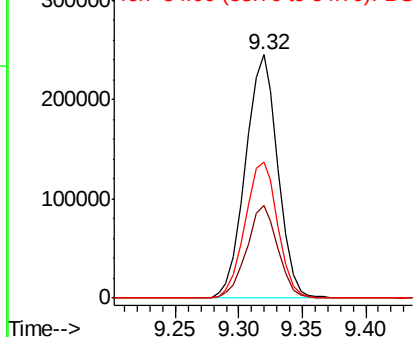


#23
Nitrobenzene-d5
Concen: 122.808 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Tgt Ion: 82	Resp:	434796
Ion	Ratio	Lower Upper
82	100	
128	37.8	28.9 43.3
54	56.1	47.2 70.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040816.D

Acq: 9 May 2019 10:52

Instrument :

BNA_G

ClientSampled :

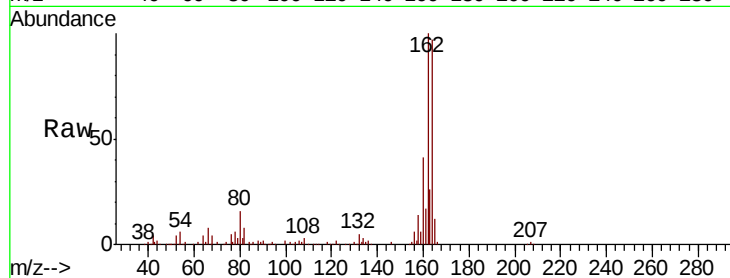
Tot Ion:164 Resp: 123577

Ion Ratio Lower Upper

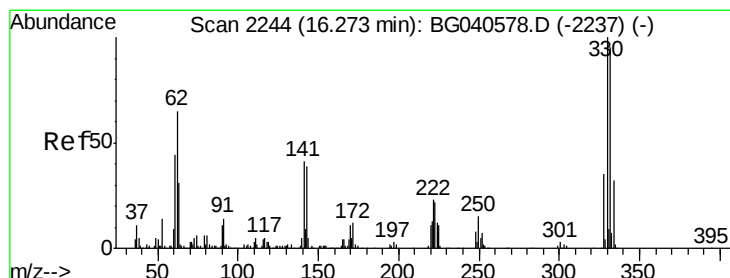
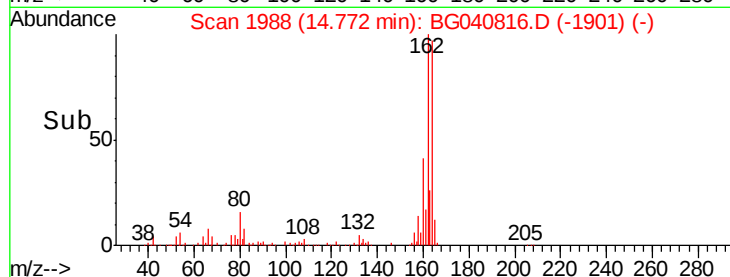
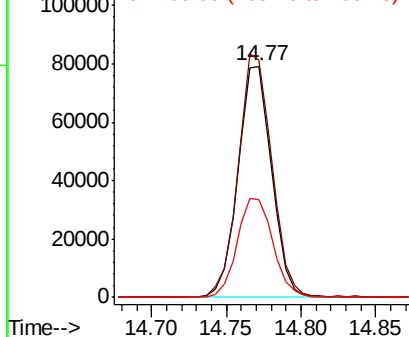
164 100

162 102.7 81.9 122.9

160 42.6 35.4 53.2



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: 152.228 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.02 min

Lab File: BG040816.D

Acq: 9 May 2019 10:52

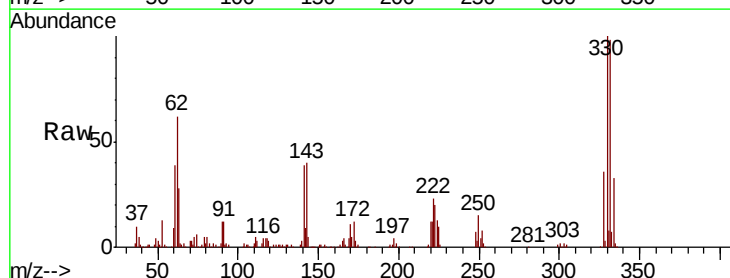
Tgt Ion:330 Resp: 258574

Ion Ratio Lower Upper

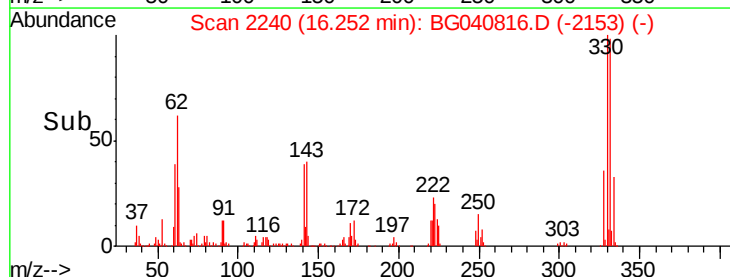
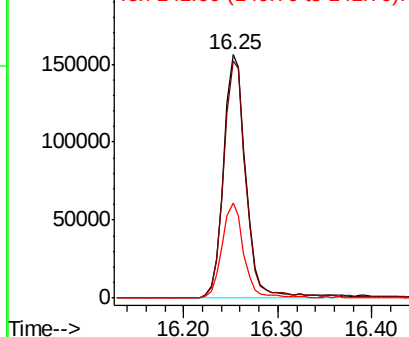
330 100

332 96.3 75.9 113.9

141 38.1 32.4 48.6



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

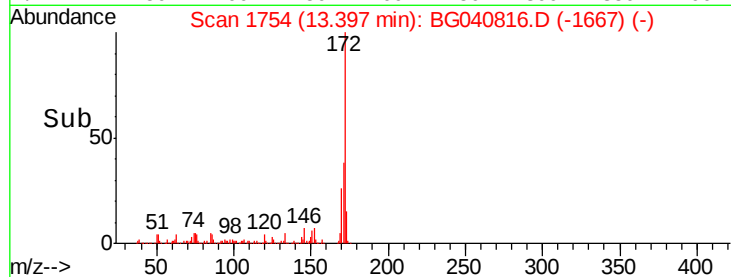
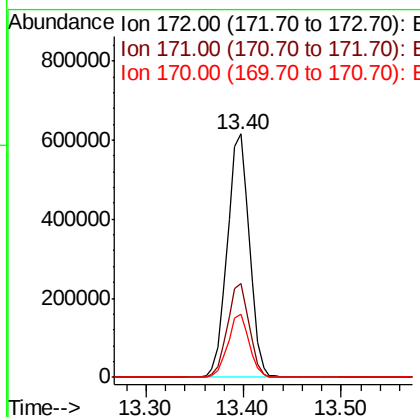
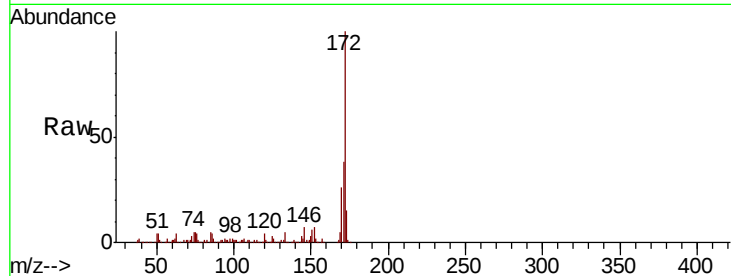




#45
 2-Fluorobiphenyl
 Concen: 113.160 ng
 RT: 13.40 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040816.D
 Acq: 9 May 2019 10:52

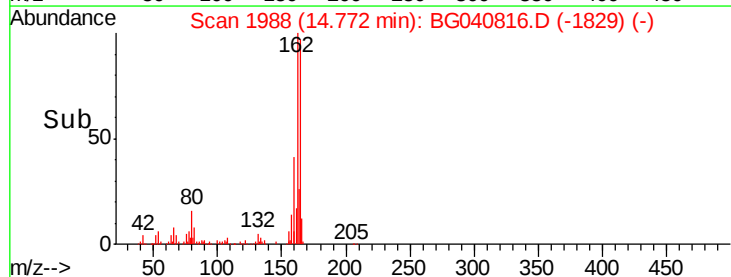
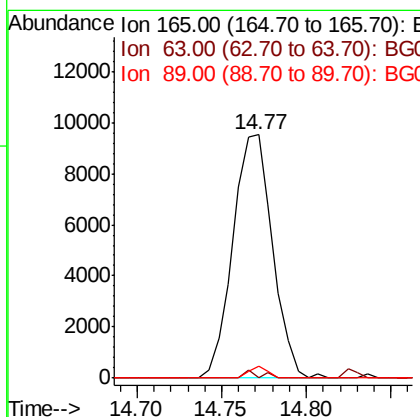
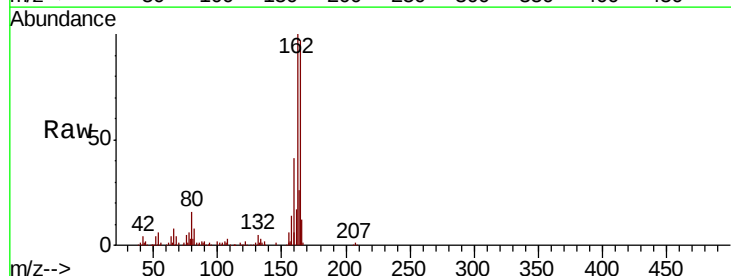
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.4	44.2
170	26.1	19.9	29.9



#51
 2,6-Dinitrotoluene
 Concen: 7.690 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. 0.40 min
 Lab File: BG040816.D
 Acq: 9 May 2019 10:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	61.0	91.4#
89	4.7	58.6	87.8#





#57

2,4-Dinitrotoluene

Concen: 5.659 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.37 min

Lab File: BG040816.D

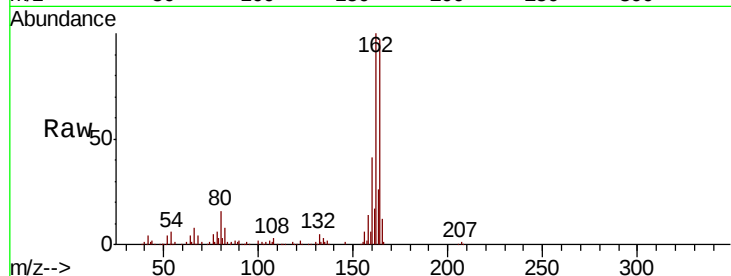
Acq: 9 May 2019 10:52

Instrument :

BNA_G

ClientSampled :

Tot Ion:	165	Resp:	15517
Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.8	68.8#
89	4.7	69.4	104.2#
182	0.0	2.2	3.4#



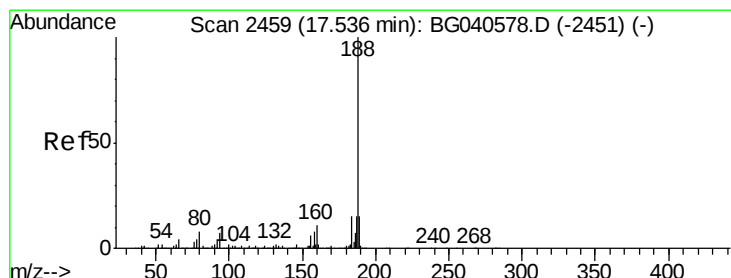
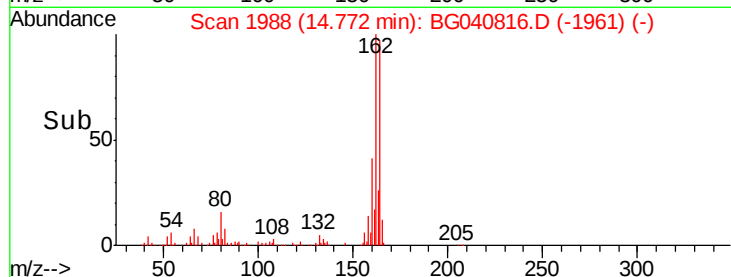
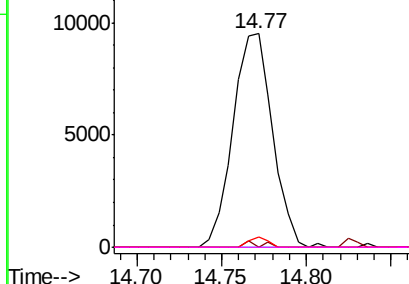
Abundance

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

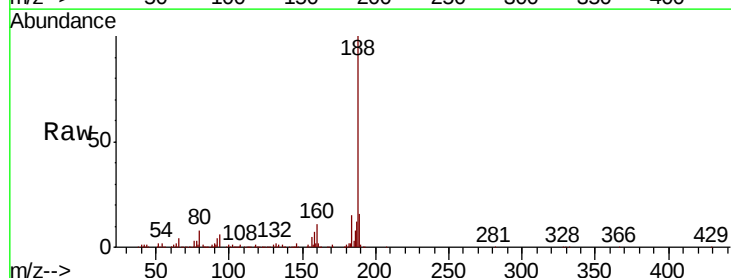
RT: 17.51 min Scan# 2454

Delta R.T. -0.03 min

Lab File: BG040816.D

Acq: 9 May 2019 10:52

Tgt Ion:	188	Resp:	343135
Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.6	8.4
80	7.8	6.4	9.6

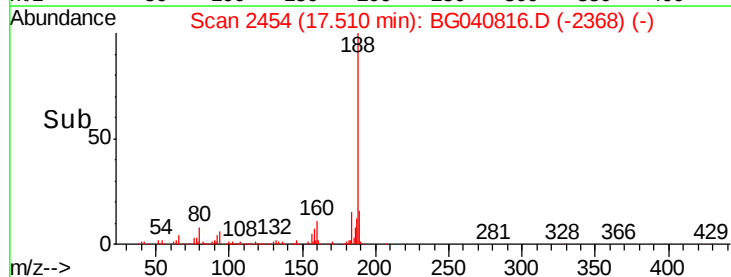
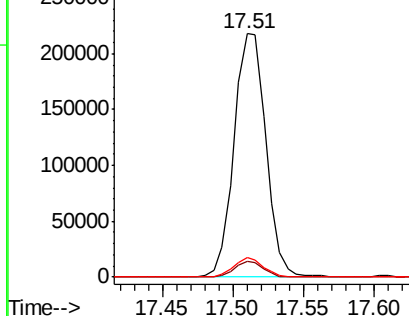


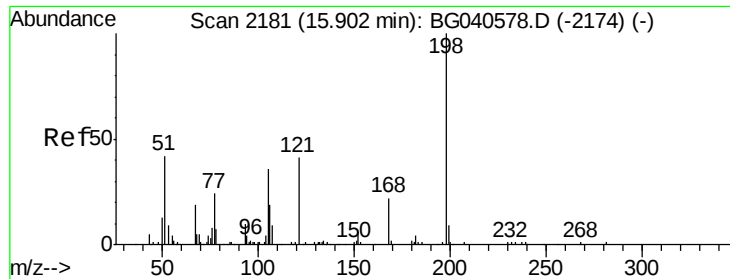
Abundance

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

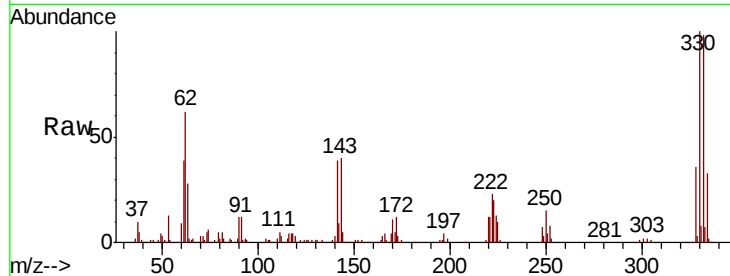




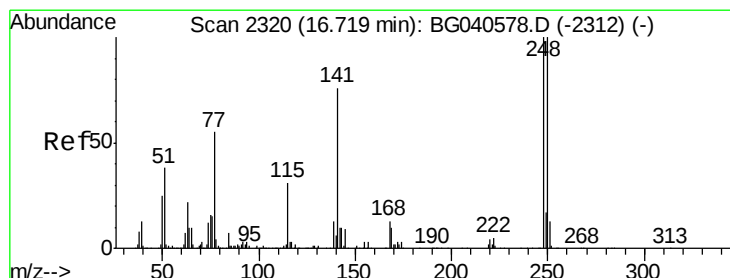
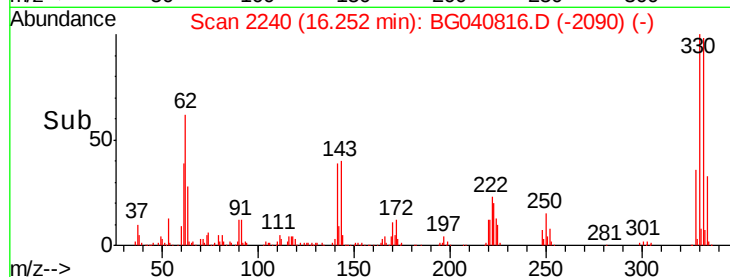
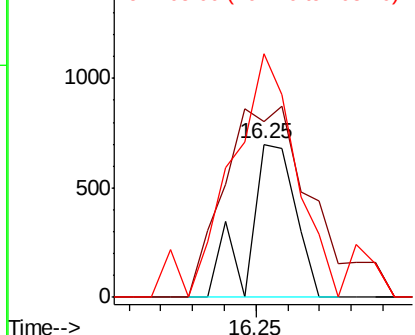
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.462 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. 0.35 min
 Lab File: BG040816.D
 Acq: 9 May 2019 10:52

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 716
 Ion Ratio Lower Upper
 198 100
 51 115.5 35.9 75.9#
 105 159.3 21.2 61.2#

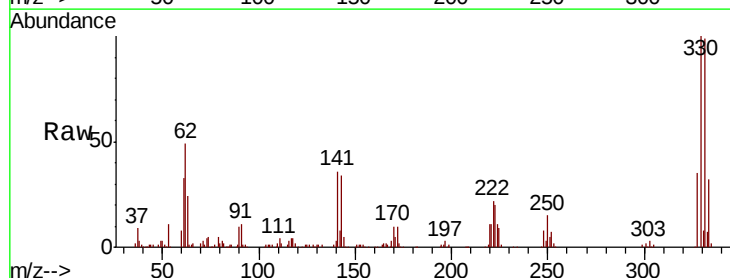


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

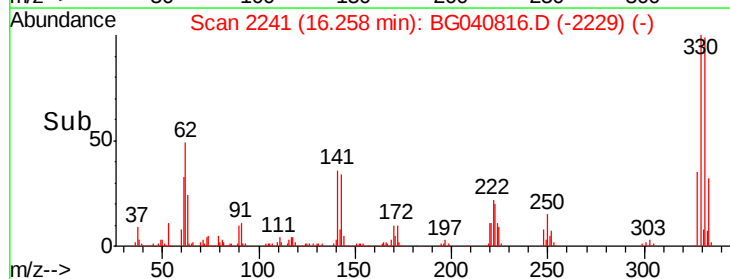
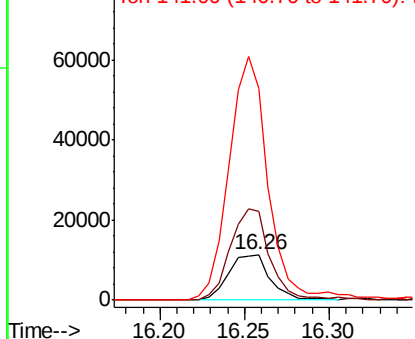


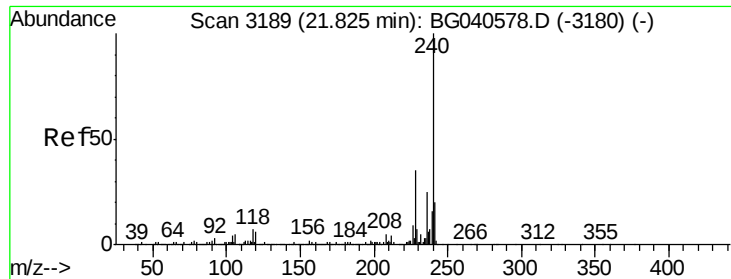
#67
 4-Bromophenyl-phenylether
 Concen: 4.624 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.46 min
 Lab File: BG040816.D
 Acq: 9 May 2019 10:52

Tgt Ion:248 Resp: 19767
 Ion Ratio Lower Upper
 248 100
 250 193.6 79.8 119.6#
 141 461.7 60.8 91.2#



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

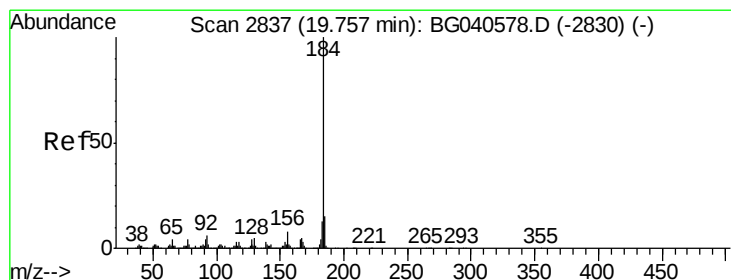
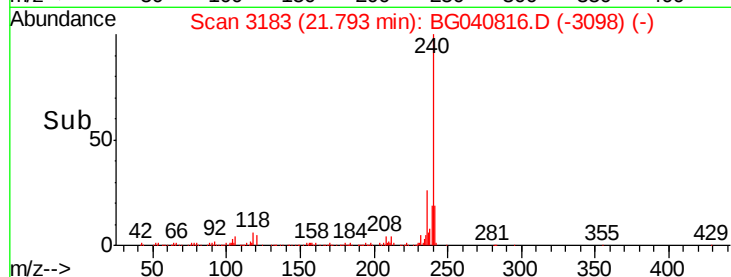
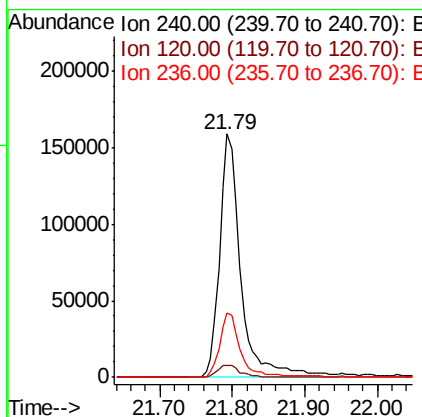
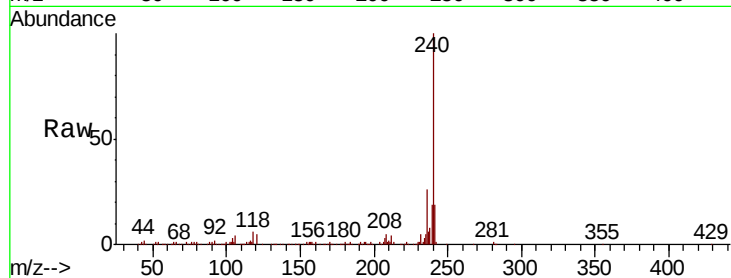




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.03 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

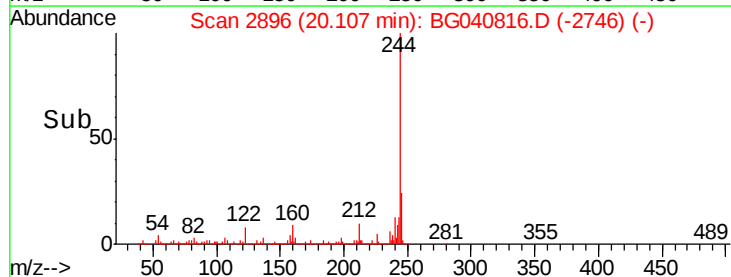
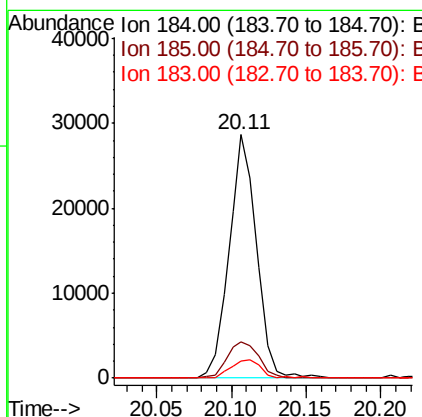
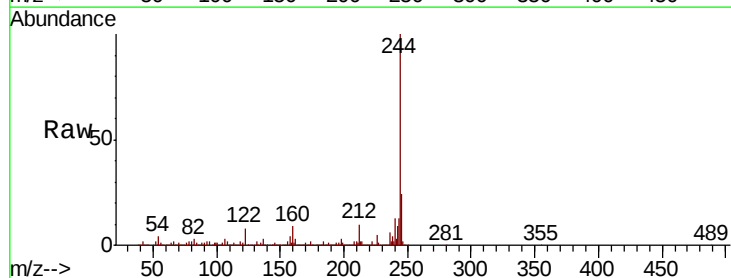
Instrument :
BNA_G
ClientSampleId :

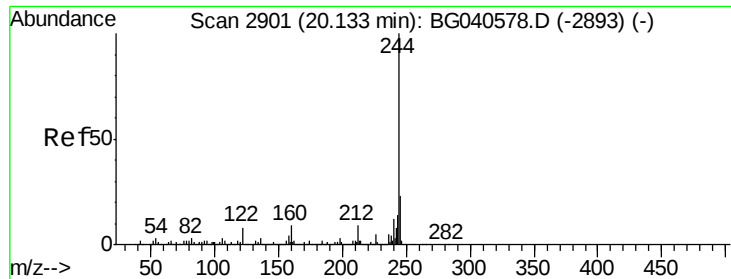
Tot Ion:240 Resp: 325549
Ion Ratio Lower Upper
240 100
120 5.1 5.0 7.6
236 26.4 20.3 30.5



#77
Benzidine
Concen: 4.128 ng
RT: 20.11 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040816.D
Acq: 9 May 2019 10:52

Tgt Ion:184 Resp: 36799
Ion Ratio Lower Upper
184 100
185 14.7 11.8 17.8
183 7.0 10.2 15.2#





#79

Terphenyl-d14

Concen: 131.691 ng

RT: 20.11 min Scan# 2896

Delta R.T. -0.03 min

Lab File: BG040816.D

Acq: 9 May 2019 10:52

Instrument :

BNA_G

ClientSampleId :

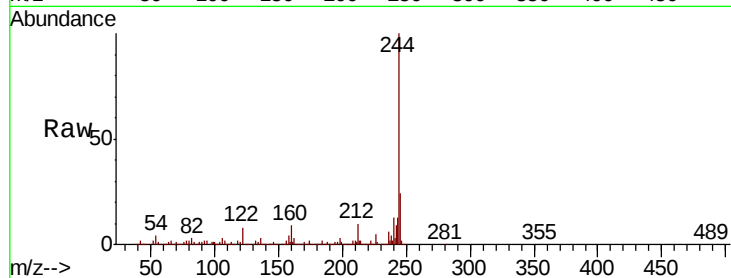
Tot Ion:244 Resp: 1935150

Ion Ratio Lower Upper

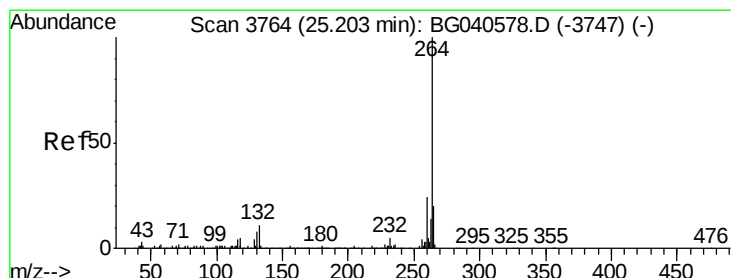
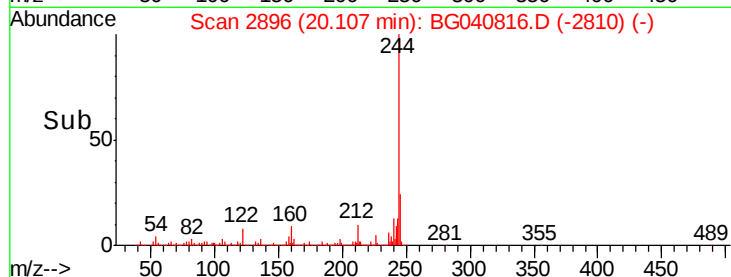
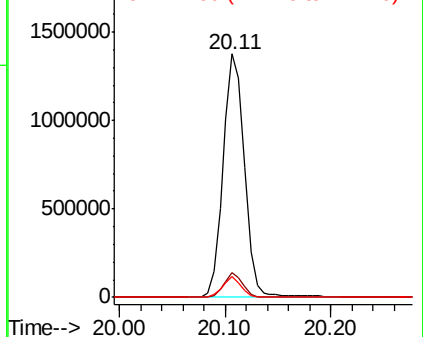
244 100

212 9.9 7.2 10.8

122 8.3 6.6 10.0



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: 25.15 min Scan# 3754

Delta R.T. -0.06 min

Lab File: BG040816.D

Acq: 9 May 2019 10:52

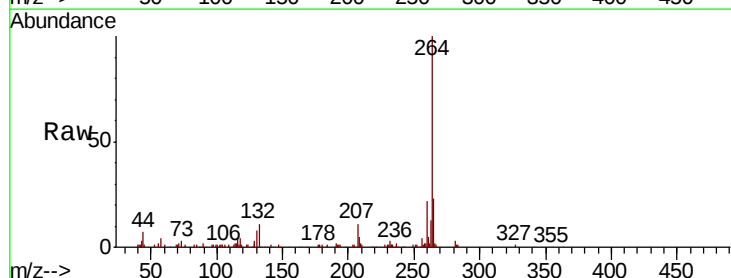
Tgt Ion:264 Resp: 223382

Ion Ratio Lower Upper

264 100

260 21.6 19.2 28.8

265 23.0 16.6 25.0



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

