

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\
 Data File : BG039964.D
 Acq On : 16 Mar 2019 6:31
 Operator : JU/SJ
 Sample : K1698-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031419

Quant Time: Mar 18 01:06:54 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

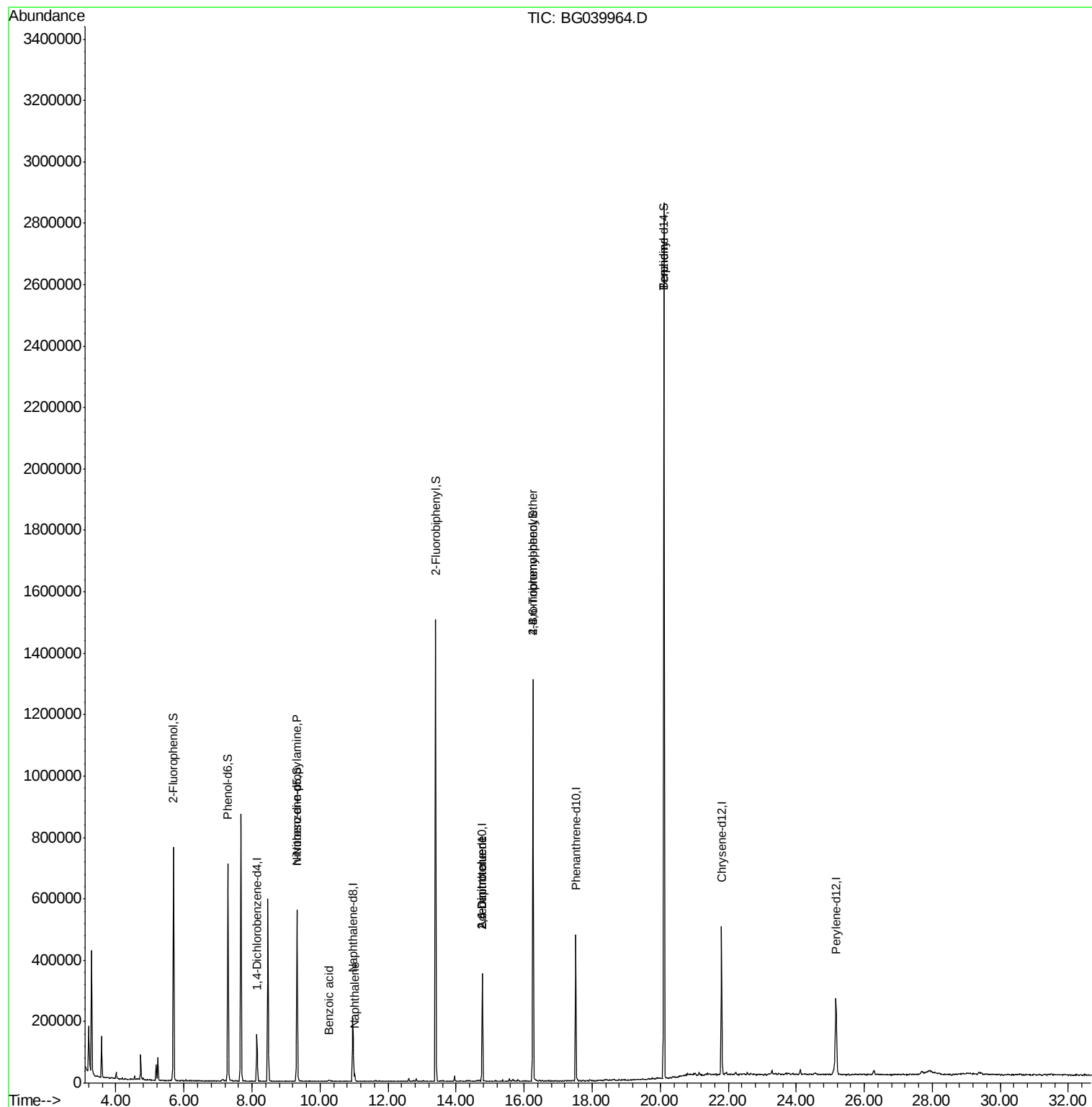
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40936	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	174663	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	120432	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	290258	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	285937	20.00	ng	-0.02
87) Perylene-d12	25.17	264	282387	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	307157	128.01	ng	-0.02
7) Phenol-d6	7.29	99	390240	109.07	ng	-0.02
23) Nitrobenzene-d5	9.33	82	326205	101.01	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	225128	160.38	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	778245	92.01	ng	-0.02
79) Terphenyl-d14	20.11	244	1278221	98.43	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43567	16.918	ng	Qvalue # 70
31) Naphthalene	11.02	128	21907	2.369	ng	# 98
32) Benzoic acid	10.26	122	55	6.626	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	15825	7.413	ng	# 24
57) 2,4-Dinitrotoluene	14.77	165	15825	5.275	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	17646	5.431	ng	# 1
77) Benzidine	20.11	184	24097	2.656	ng	# 93

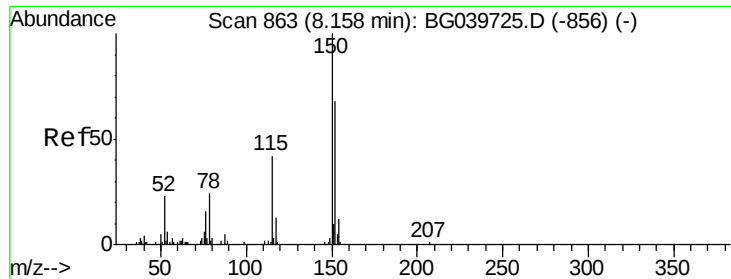
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 27 Sample Multiplier: 1

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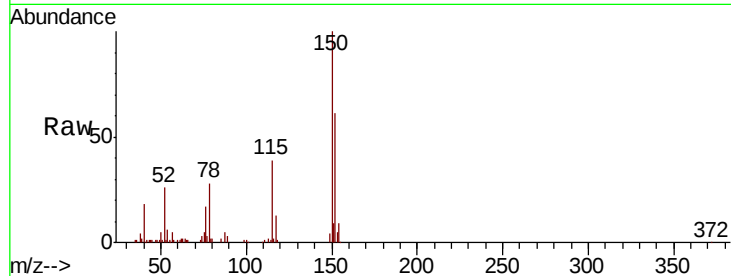


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

Instrument :
BNA_G
ClientSampleId :
TR-04-031419

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	123.7	185.5
115	63.5	45.9	68.9

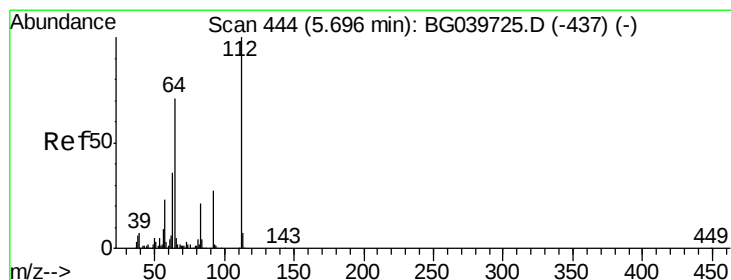
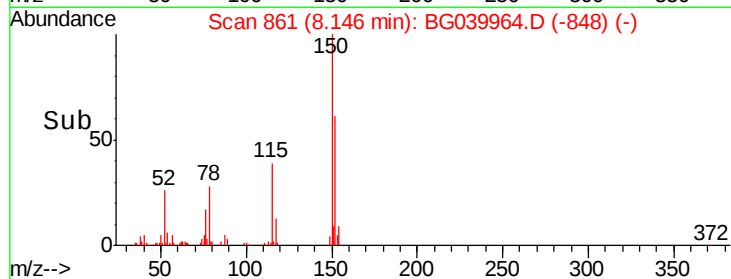
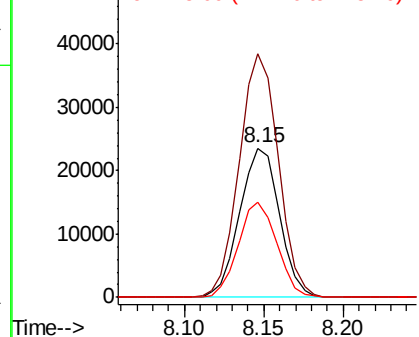


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

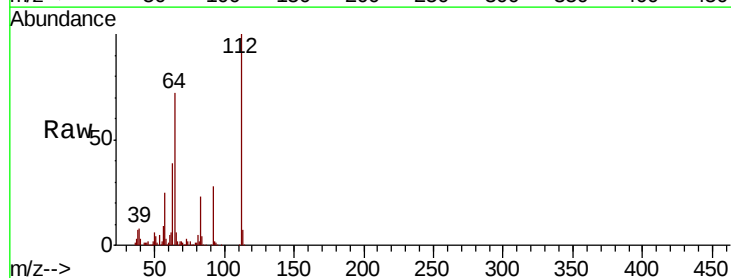
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.008 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	57.8	86.8
63	38.8	29.8	44.6

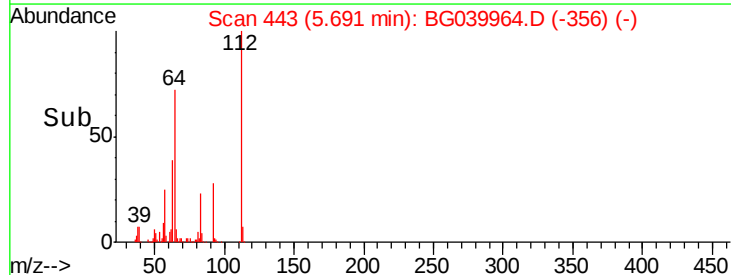
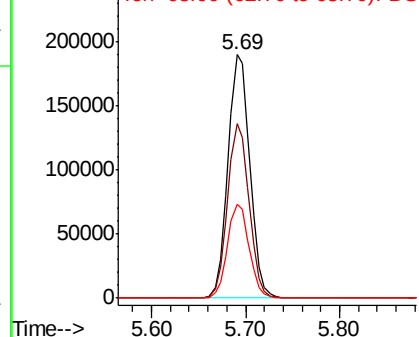


Abundance

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: 109.072 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Instrument :

BNA_G

ClientSampleId :

TR-04-031419

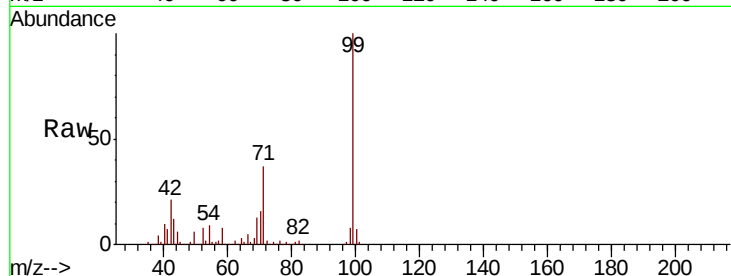
Tot Ion: 99 Resp: 390240

Ion Ratio Lower Upper

99 100

42 20.9 18.2 27.2

71 37.3 28.0 42.0

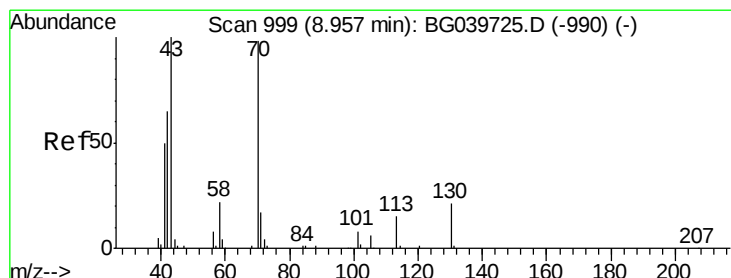
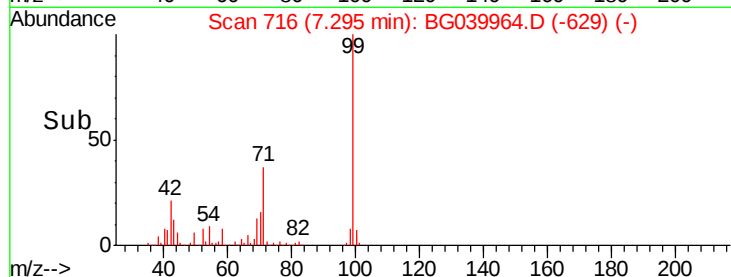
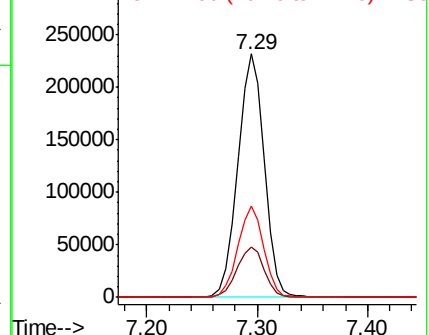


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 16.918 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Tgt Ion: 70 Resp: 43567

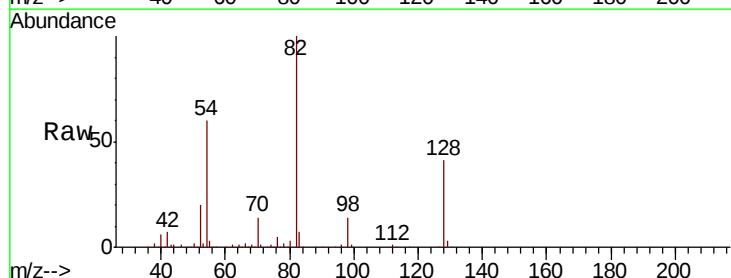
Ion Ratio Lower Upper

70 100

42 52.5 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



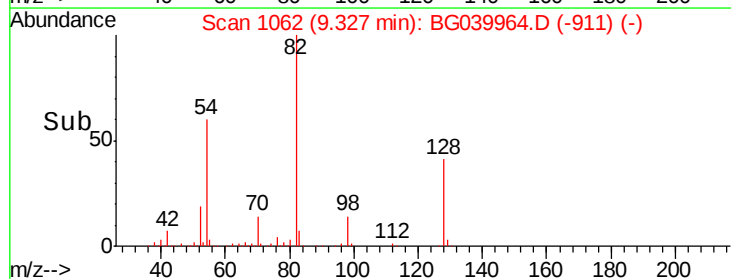
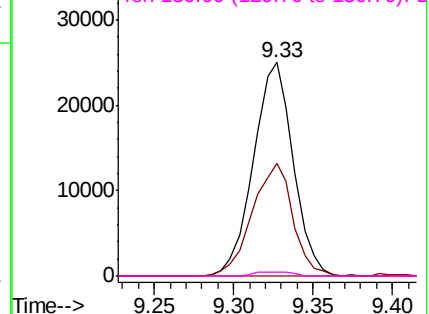
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

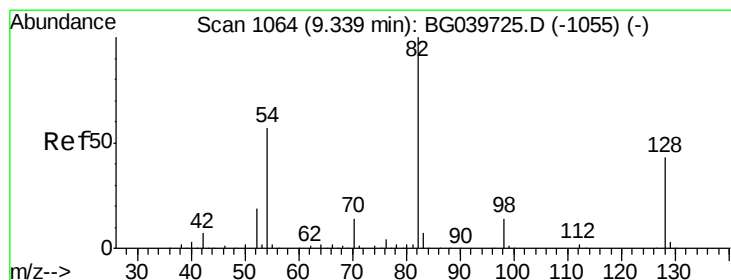
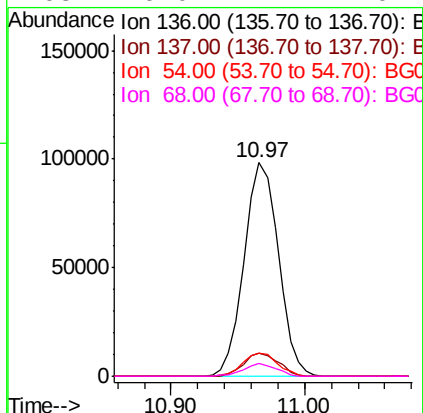
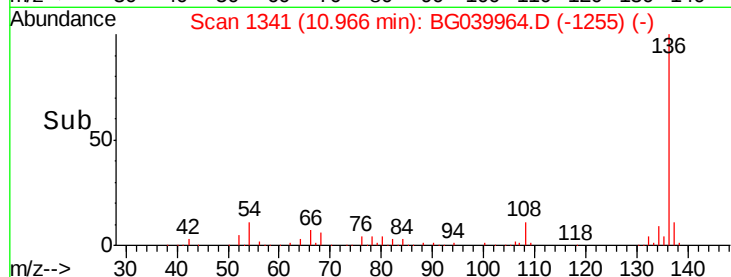
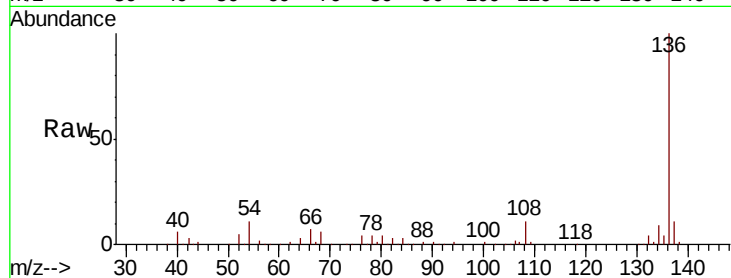




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

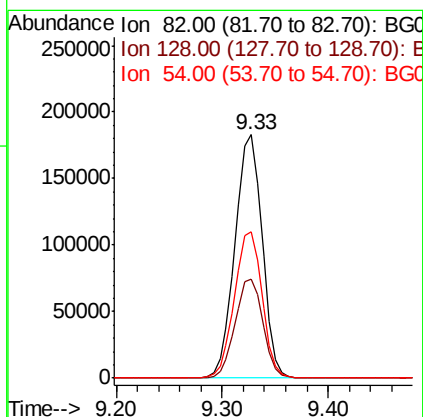
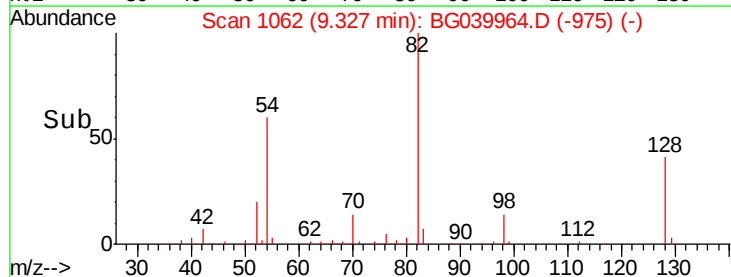
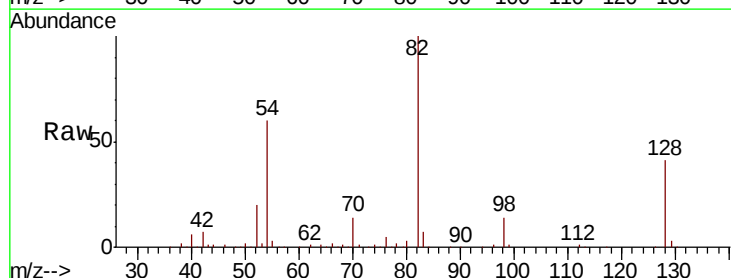
Instrument :
BNA_G
ClientSampleId :
TR-04-031419

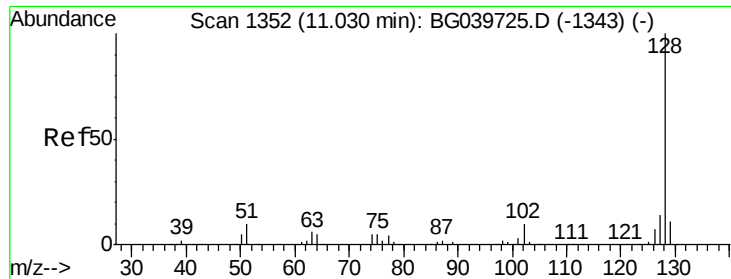
Tot Ion:136	Resp:	174663
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.1 13.7
54	10.7	9.4 14.2
68	6.0	4.2 6.4



#23
Nitrobenzene-d5
Concen: 101.009 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

Tgt Ion: 82	Resp:	326205
Ion Ratio	Lower	Upper
82	100	
128	40.9	31.3 46.9
54	60.3	50.9 76.3

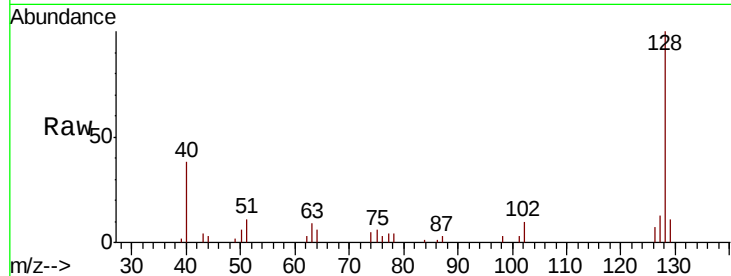




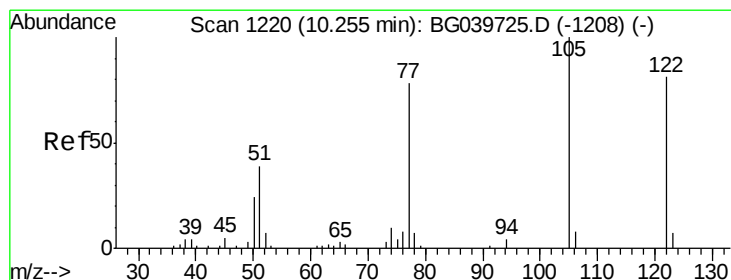
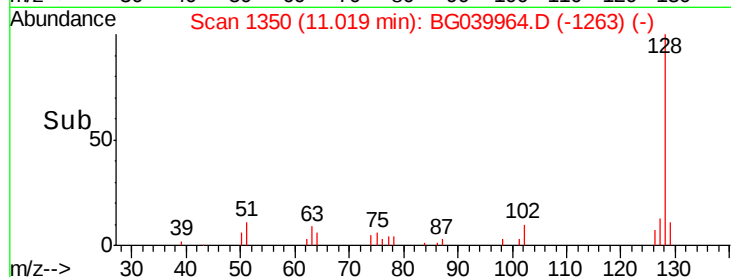
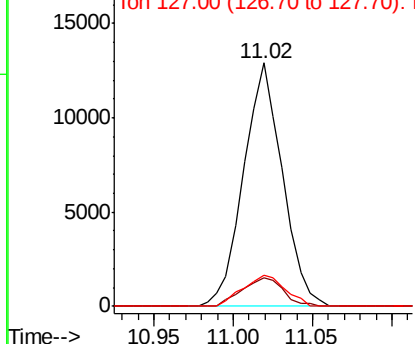
#31
Naphthalene
Concen: 2.369 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

Instrument :
BNA_G
ClientSampleId :
TR-04-031419

Tot Ion:128 Resp: 21907
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 12.9 10.8 16.2

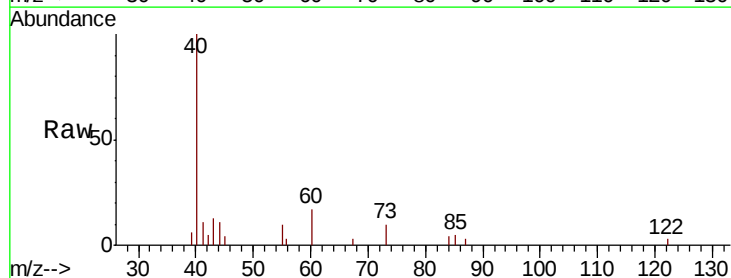


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

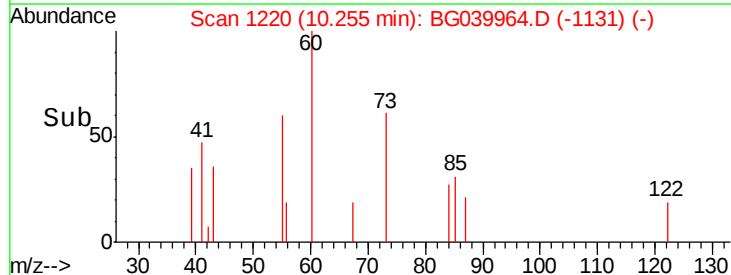
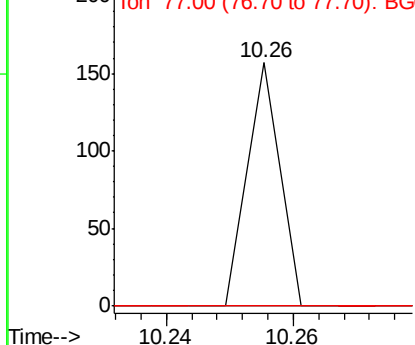


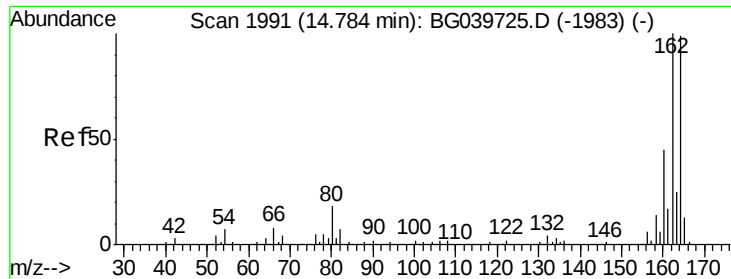
#32
Benzoic acid
Concen: 6.626 ng
RT: 10.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BG039964.D
Acq: 16 Mar 2019 6:31

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Instrument :

BNA_G

ClientSampleId :

TR-04-031419

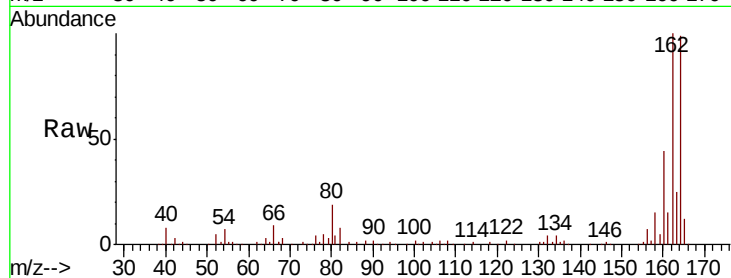
Tot Ion:164 Resp: 120432

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

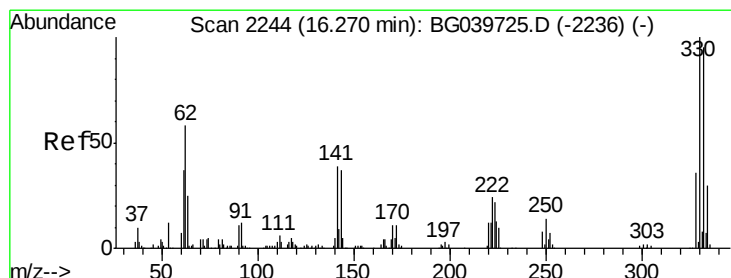
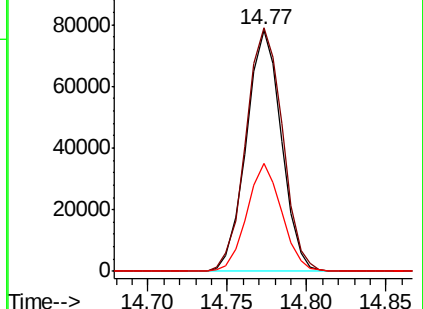
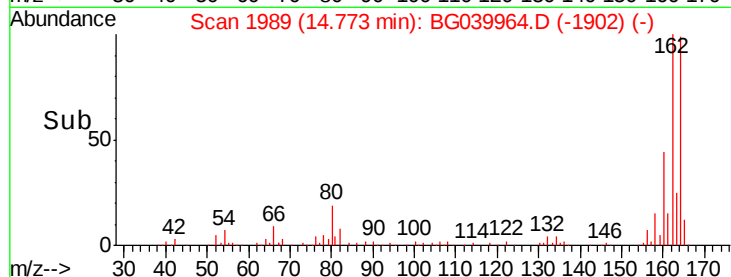
160 44.7 34.2 51.2



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: 160.379 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

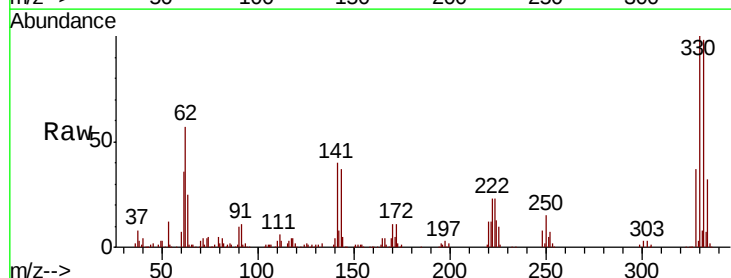
Tgt Ion:330 Resp: 225128

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

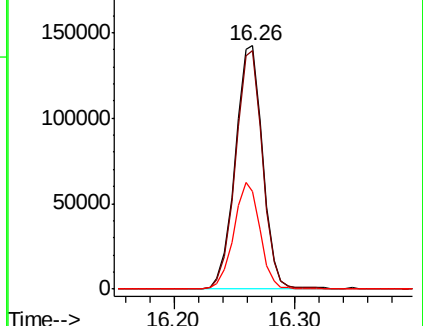
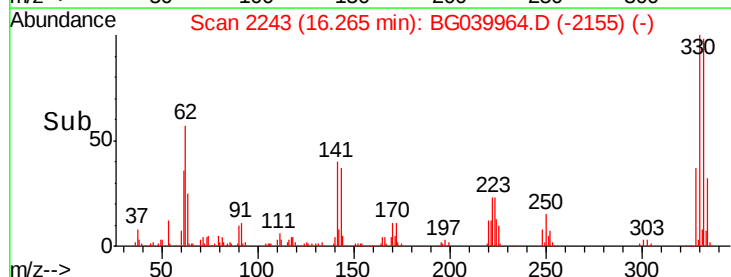
141 42.0 35.6 53.4

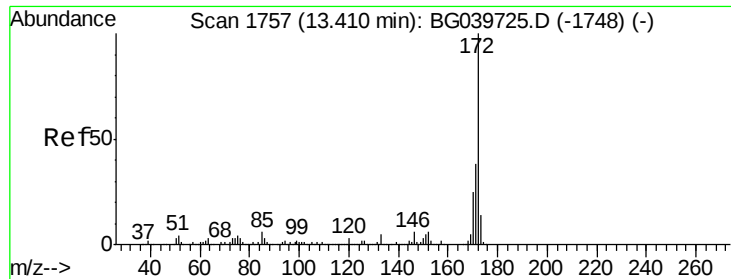


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

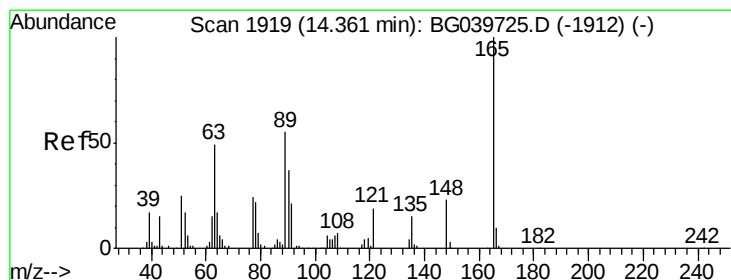
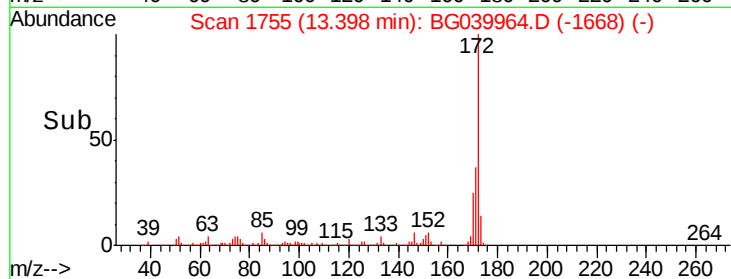
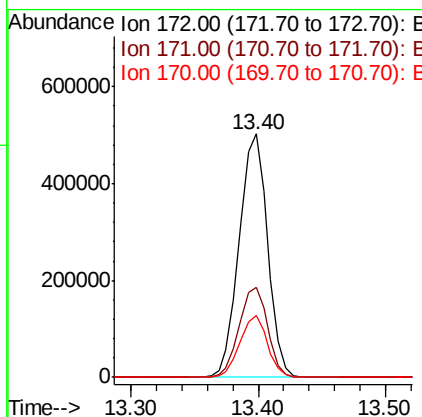
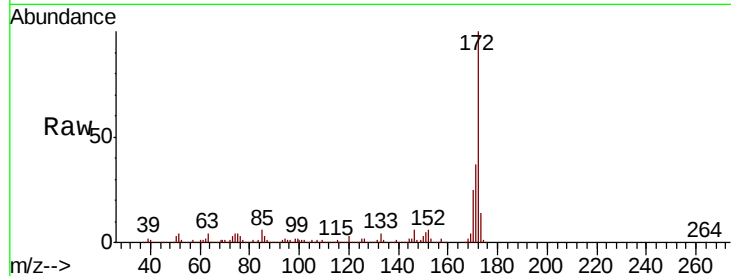




#45
 2-Fluorobiphenyl
 Concen: 92.009 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

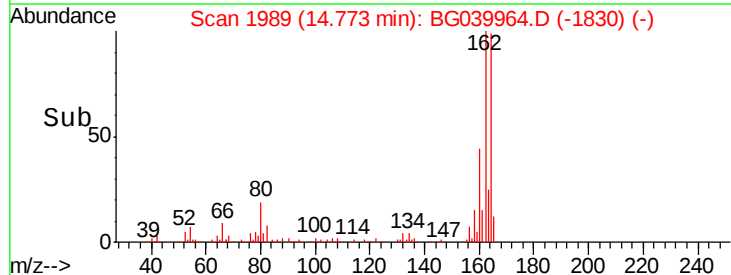
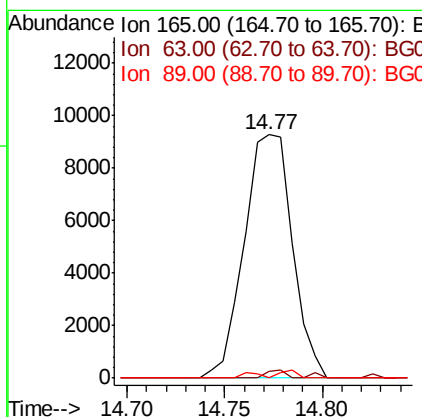
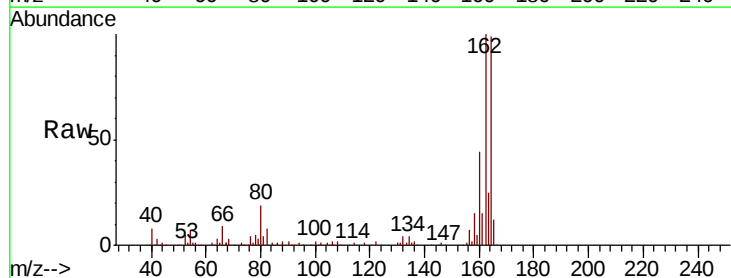
Instrument :
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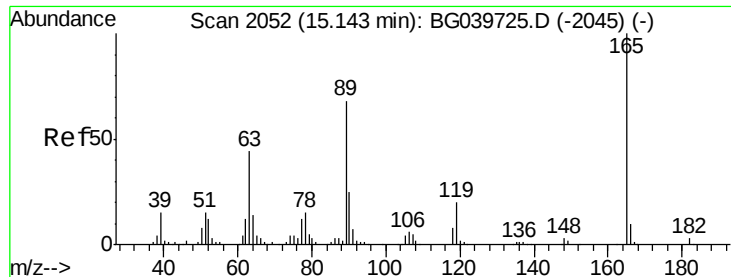
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	25.2	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.413 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.40 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.9	47.0	70.6#
89	0.0	45.8	68.8#

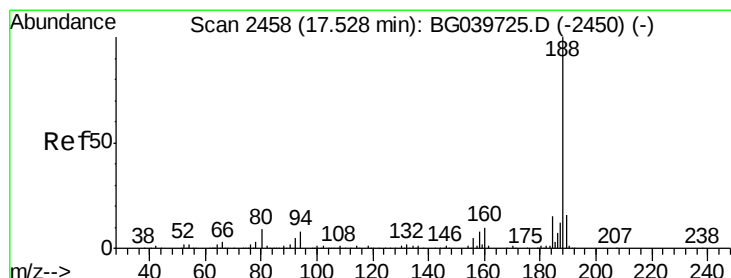
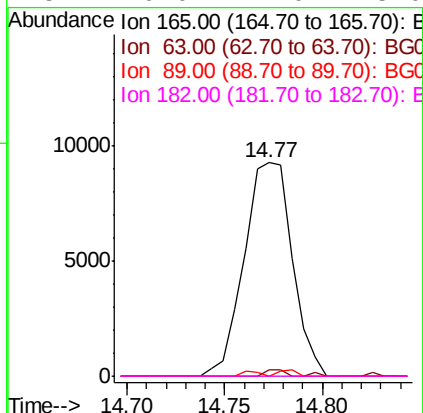
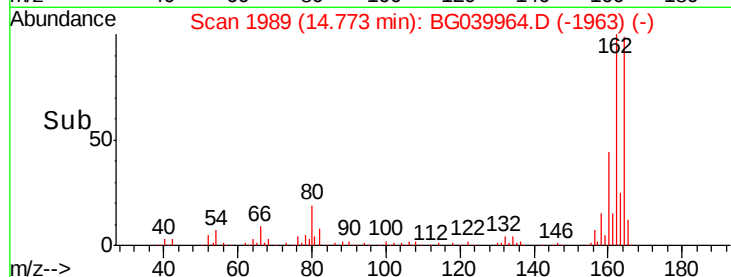
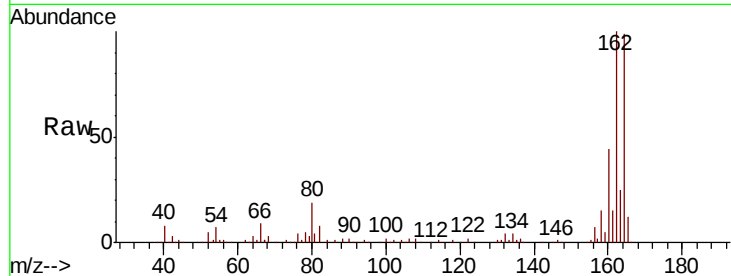




#57
 2,4-Dinitrotoluene
 Concen: 5.275 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

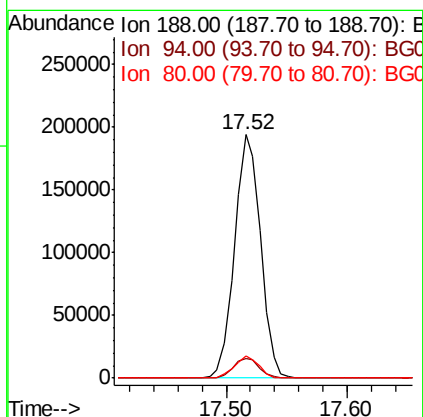
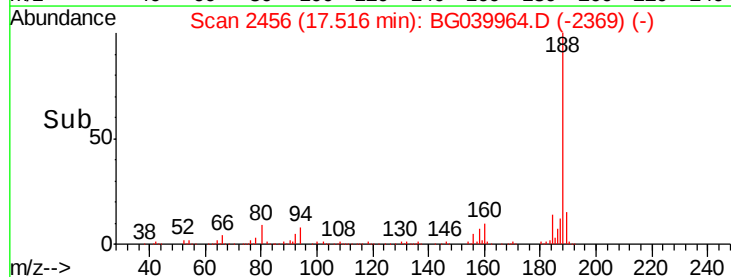
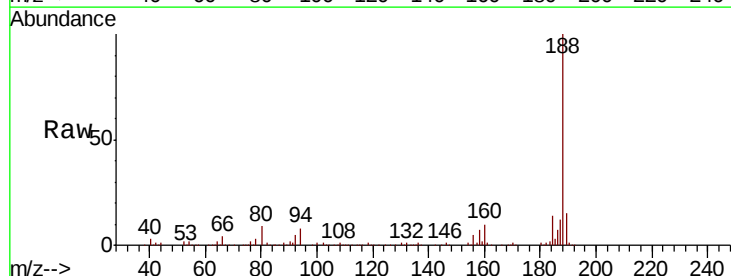
Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031419

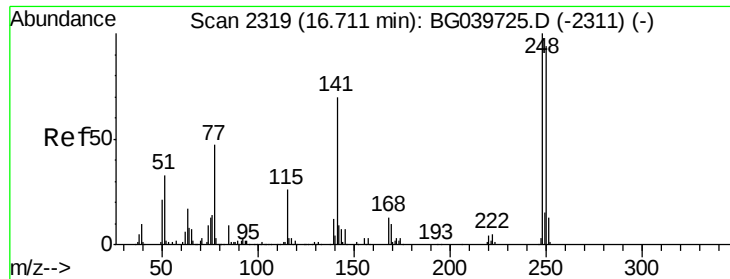
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.3	8.1	12.1

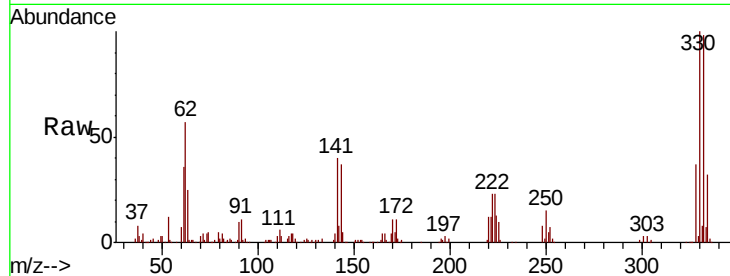




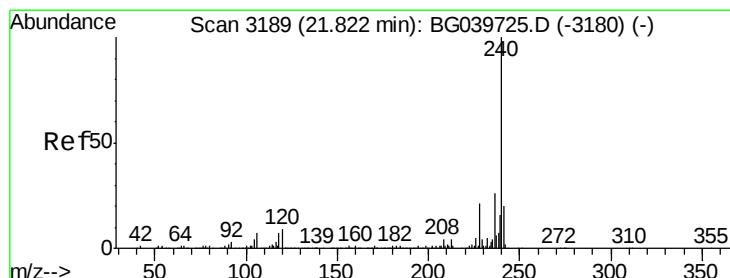
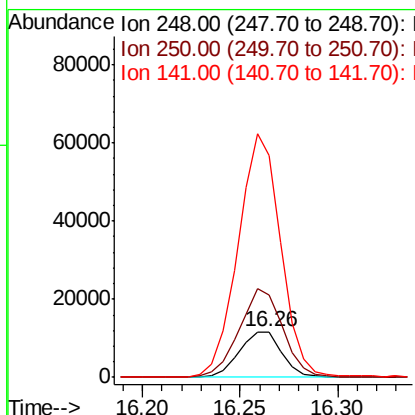
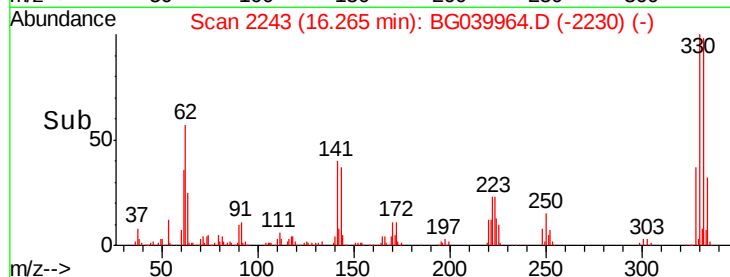
#67
 4-Bromophenyl-phenylether
 Concen: 5.431 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-031419

Tot Ion:248 Resp: 17646
 Ion Ratio Lower Upper
 248 100
 250 180.0 77.6 116.4#
 141 486.5 63.9 95.9#

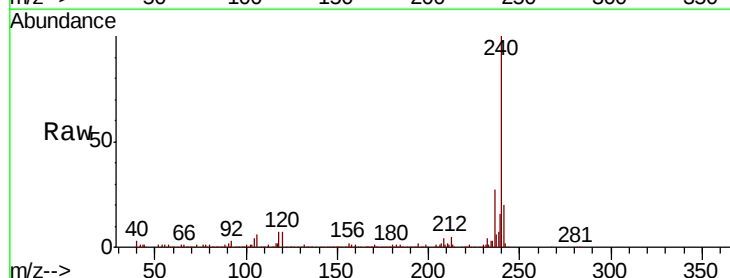


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

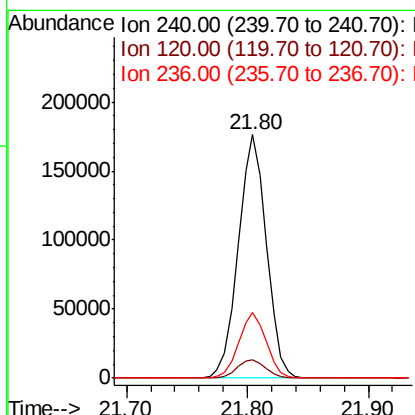
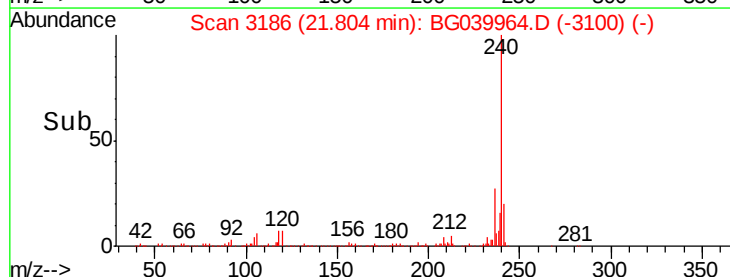


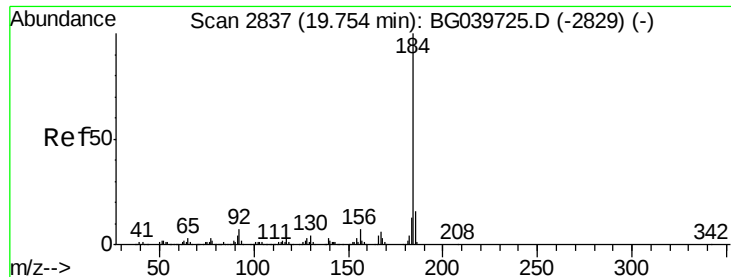
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.80 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG039964.D
 Acq: 16 Mar 2019 6:31

Tgt Ion:240 Resp: 285937
 Ion Ratio Lower Upper
 240 100
 120 7.4 7.0 10.6
 236 27.2 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: 2.656 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Instrument :

BNA_G

ClientSampleId :

TR-04-031419

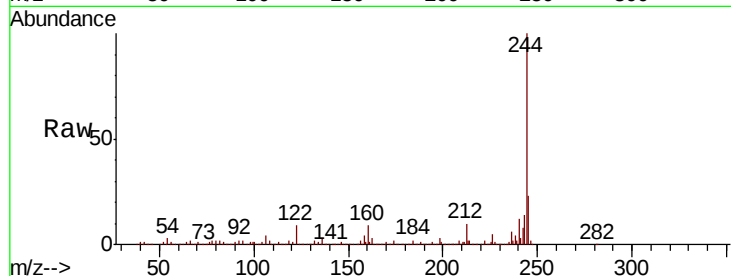
Tot Ion:184 Resp: 24097

Ion Ratio Lower Upper

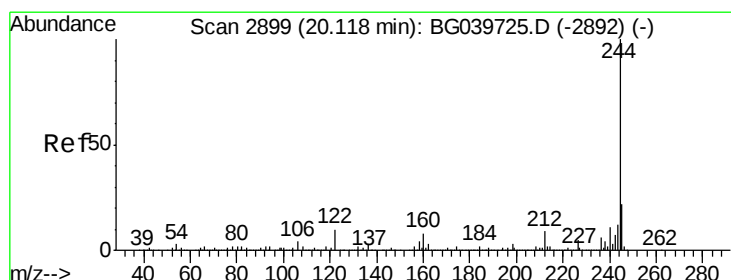
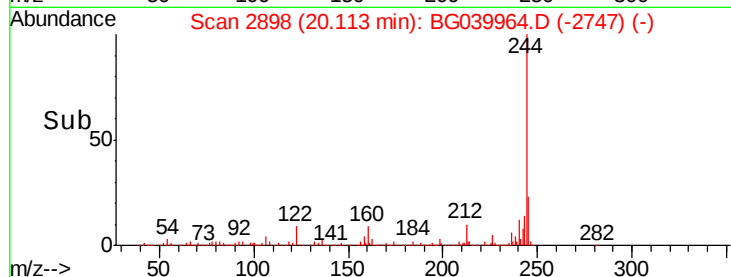
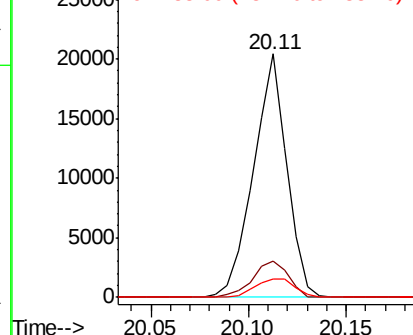
184 100

185 15.0 12.2 18.2

183 7.6 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: 98.427 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

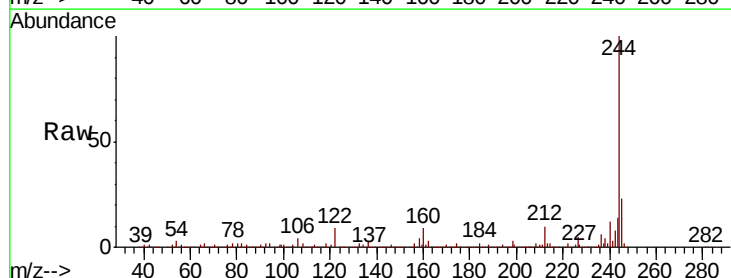
Tgt Ion:244 Resp: 1278221

Ion Ratio Lower Upper

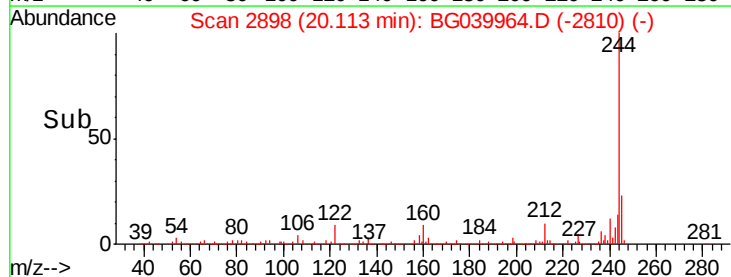
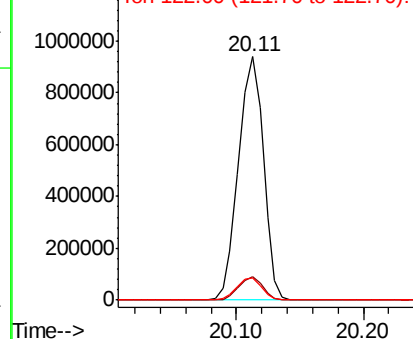
244 100

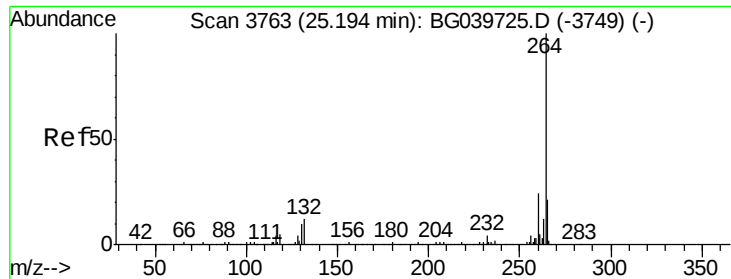
212 9.7 7.3 10.9

122 9.3 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: BG039964.D
Acq: 16 Mar 2019 6:31

Instrument :
BNA_G
ClientSampleId :
TR-04-031419

Tot Ion: 264 Resp: 282387

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.2	27.4
265	21.2	18.5	27.7

