

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040049.D
 Acq On : 20 Mar 2019 23:45
 Operator : JU/SJ
 Sample : K1984-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:30 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

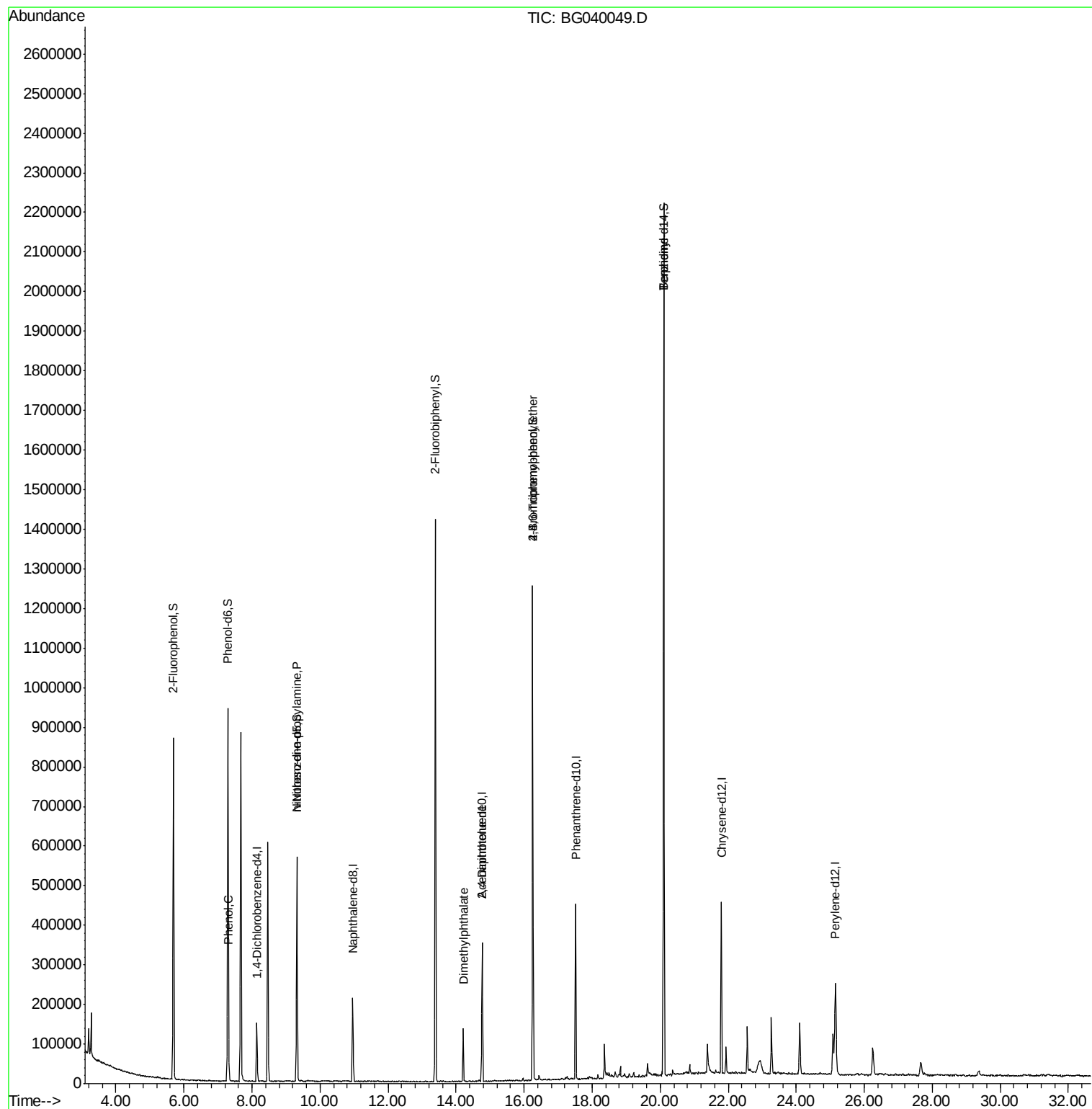
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	40763	20.00	ng	-0.03
21) Naphthalene-d8	10.97	136	177254	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	121292	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	278554	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	264914	20.00	ng	-0.03
87) Perylene-d12	25.16	264	271001	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	356541	149.22	ng	-0.02
7) Phenol-d6	7.29	99	541575	152.01	ng	-0.02
23) Nitrobenzene-d5	9.32	82	335462	102.36	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	221396	156.60	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	742864	87.20	ng	-0.02
79) Terphenyl-d14	20.11	244	984971	81.86	ng	-0.02
Target Compounds						
10) Phenol	7.32	94	15597	4.041	ng	84
19) n-Nitroso-di-n-propylamine	9.32	70	43990	17.154	ng	# 70
50) Dimethylphthalate	14.21	163	86182	8.497	ng	97
57) 2,4-Dinitrotoluene	14.77	165	15234	5.042	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	17020	5.459	ng	# 1
77) Benzidine	20.11	184	19032	2.264	ng	# 95

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

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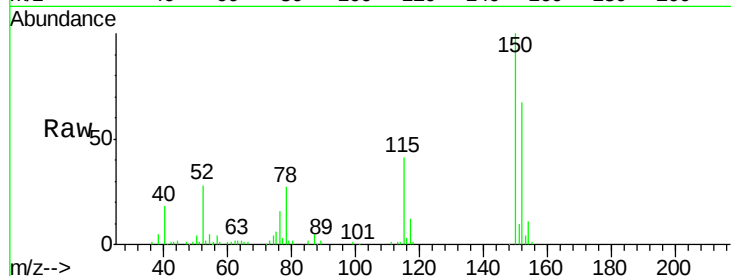


#1

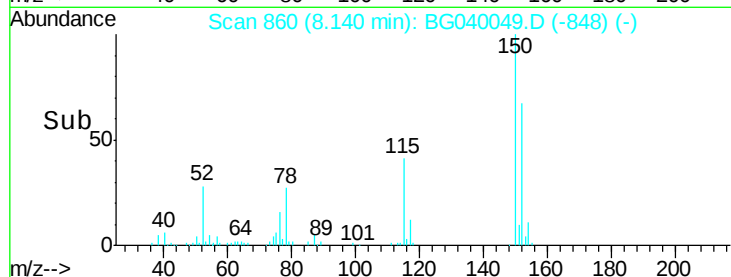
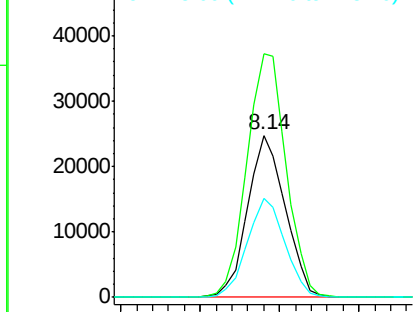
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40763
Ion Ratio Lower Upper
152 100
150 150.1 123.7 185.5
115 61.4 45.9 68.9



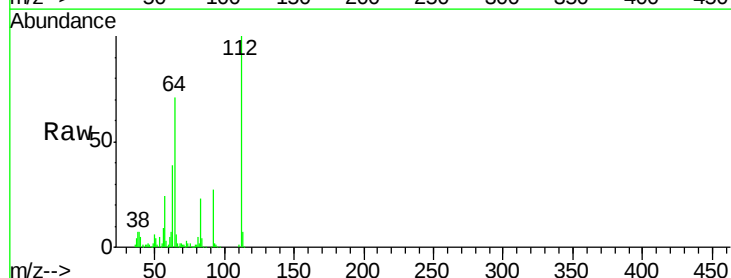
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



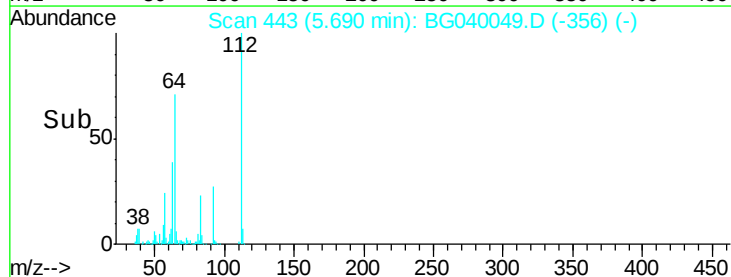
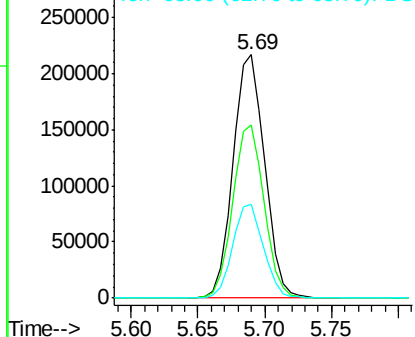
#5

2-Fluorophenol
Concen: 149.219 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

Tgt Ion:112 Resp: 356541
Ion Ratio Lower Upper
112 100
64 70.9 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: 152.012 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

Instrument :

BNA_G

ClientSampled :

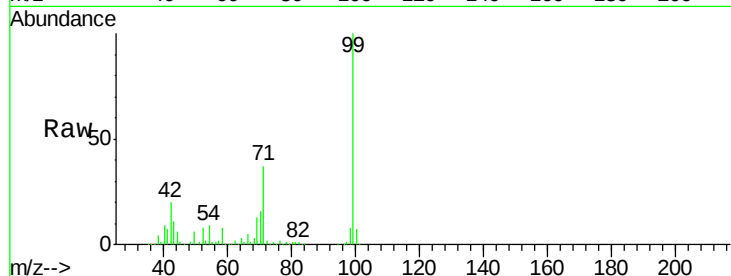
Tot Ion: 99 Resp: 541575

Ion Ratio Lower Upper

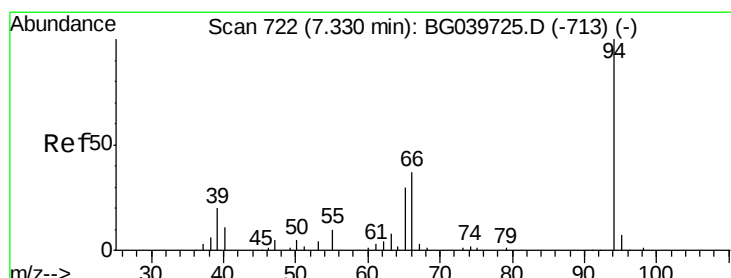
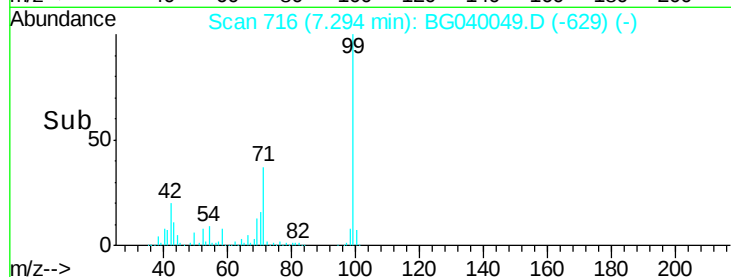
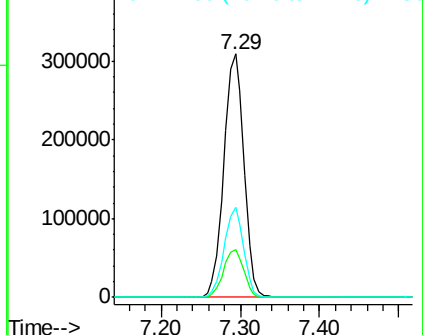
99 100

42 19.8 18.2 27.2

71 37.0 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



#10

Phenol

Concen: 4.041 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

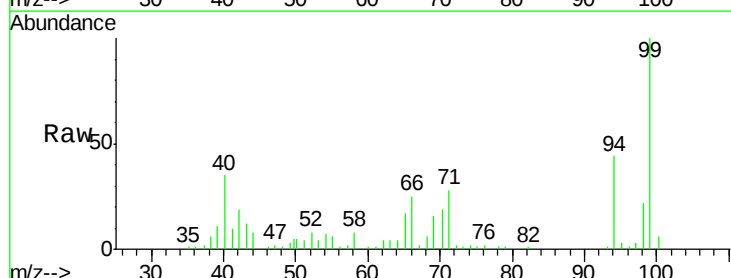
Tgt Ion: 94 Resp: 15597

Ion Ratio Lower Upper

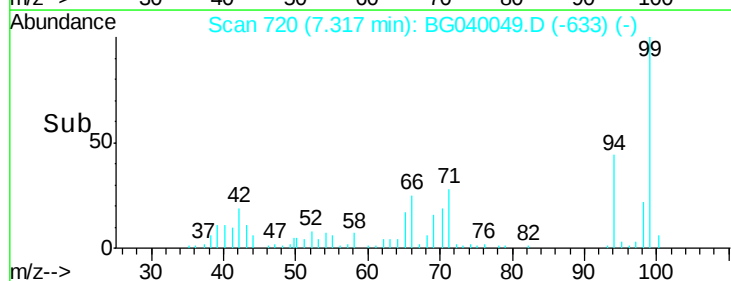
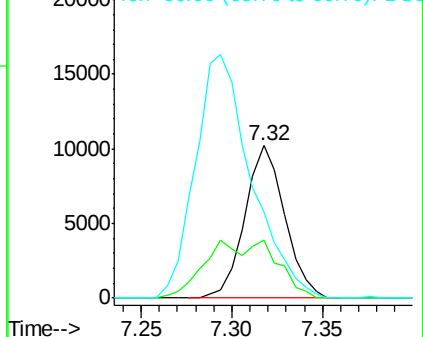
94 100

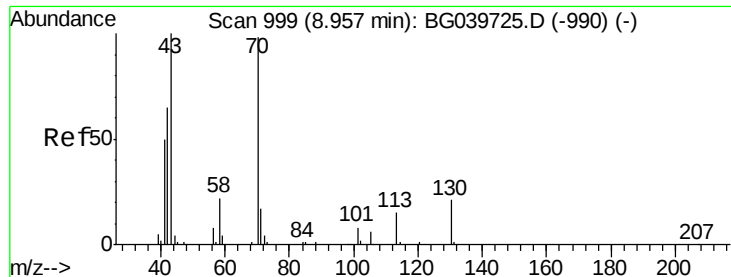
65 38.2 11.7 51.7

66 56.3 23.7 63.7



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

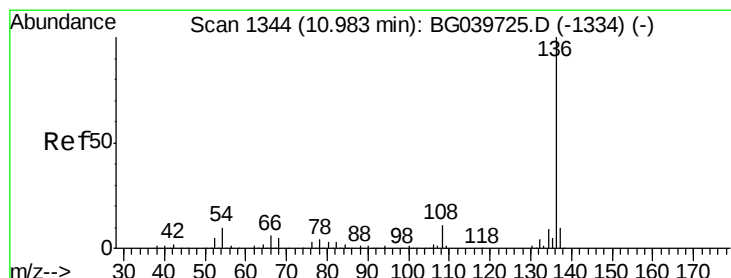
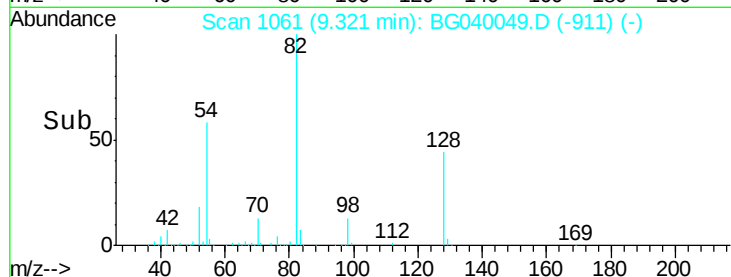
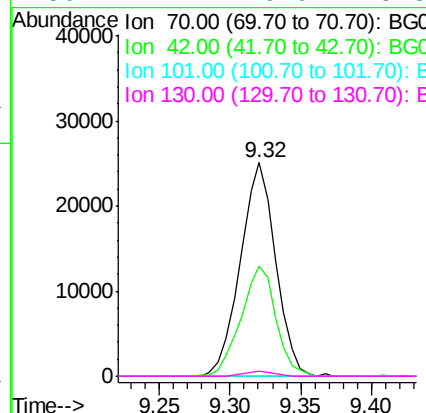
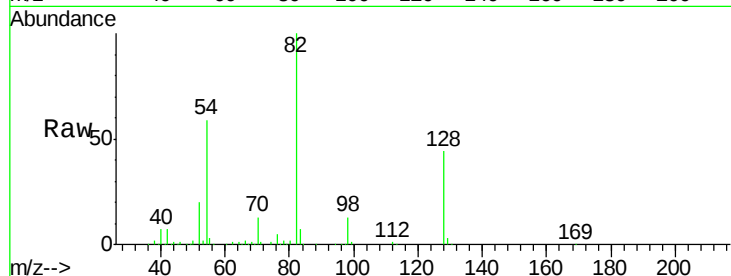




#19
n-Nitroso-di-n-propylamine
Concen: 17.154 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.35 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

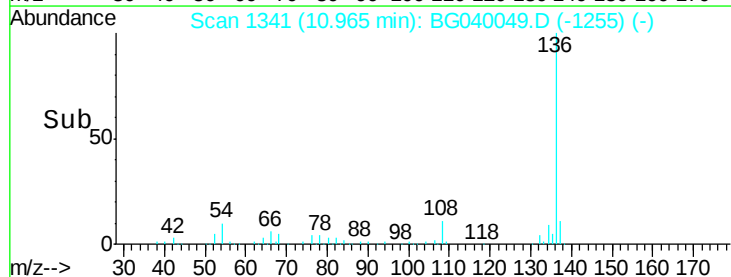
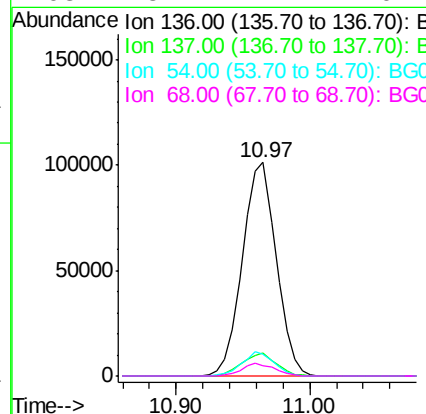
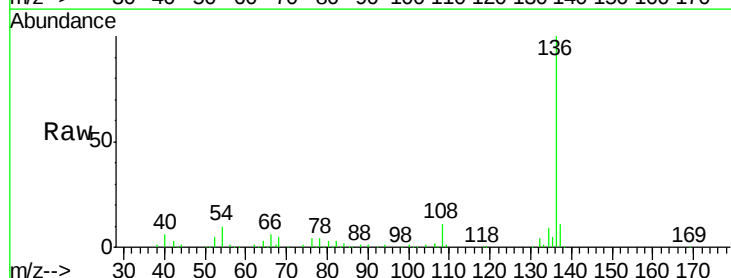
Instrument :
BNA_G
ClientSampleId :

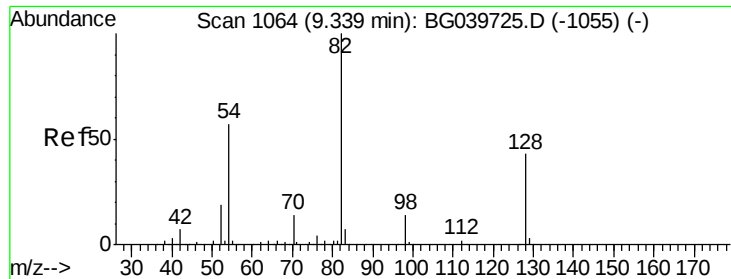
Tot Ion: 70 Resp: 43990
Ion Ratio Lower Upper
70 100
42 51.6 60.4 90.6#
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

Tgt Ion: 136 Resp: 177254
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 10.1 9.4 14.2
68 5.1 4.2 6.4

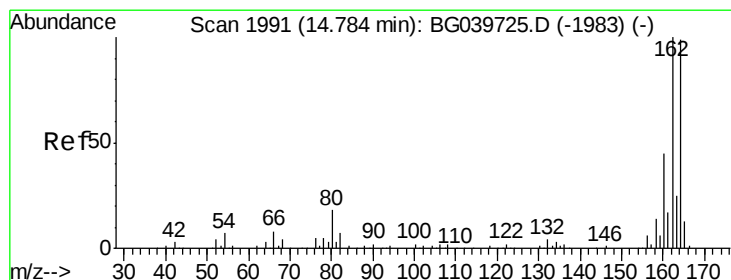
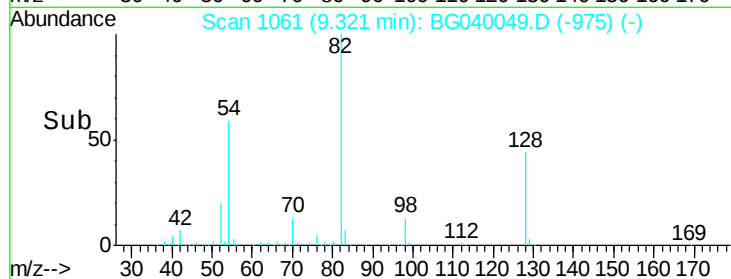
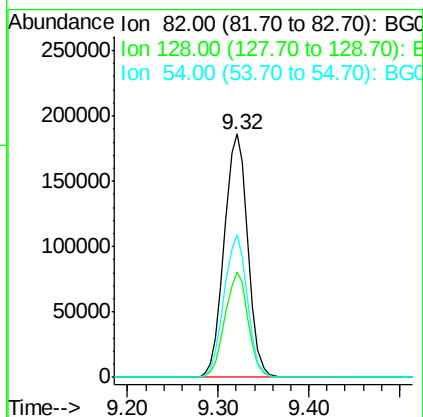
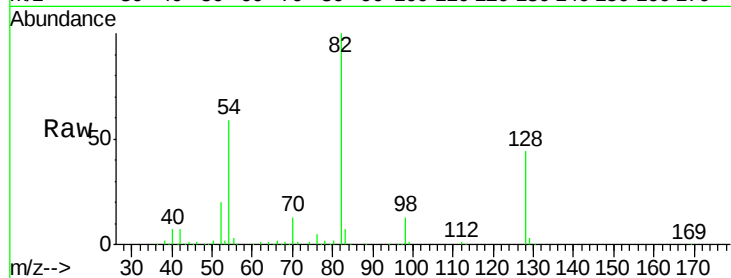




#23
Nitrobenzene-d5
Concen: 102.357 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

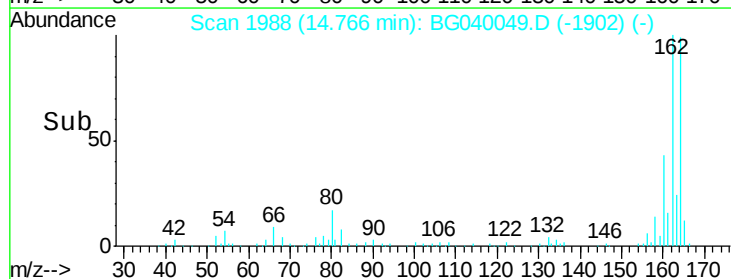
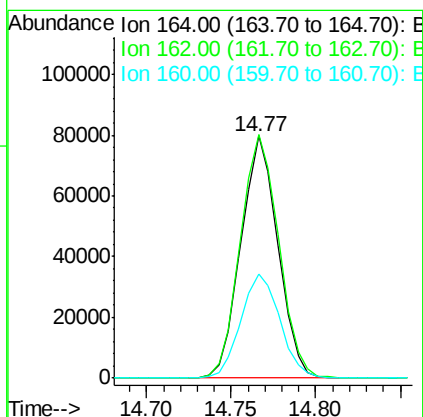
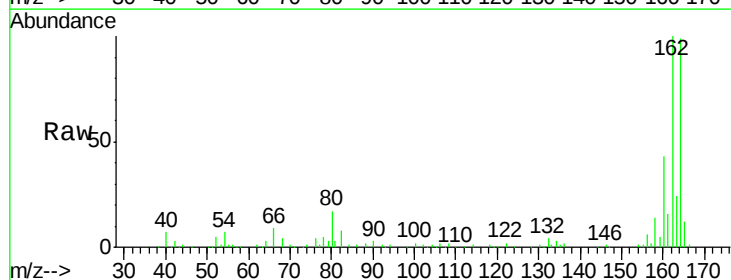
Instrument :
BNA_G
ClientSampled :

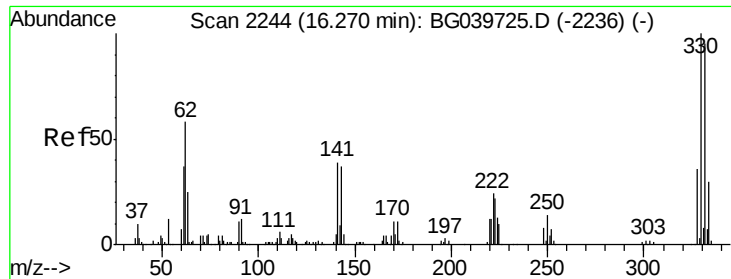
Tot Ion	82	Resp	335462
Ion Ratio	Lower	Upper	
82	100		
128	43.5	31.3	46.9
54	58.7	50.9	76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

Tgt Ion	164	Resp	121292
Ion Ratio	Lower	Upper	
164	100		
162	100.6	81.6	122.4
160	43.1	34.2	51.2

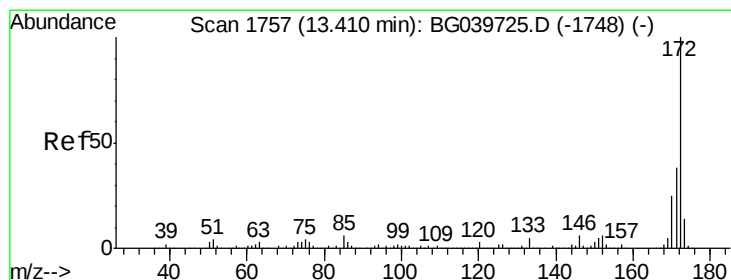
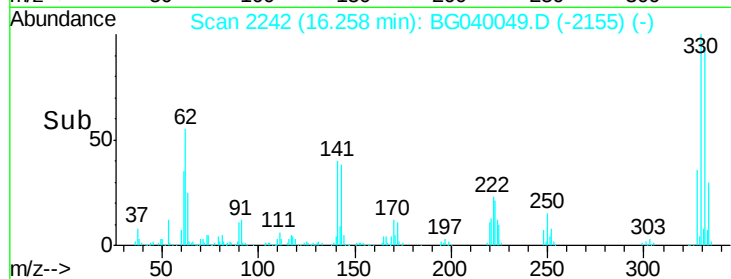
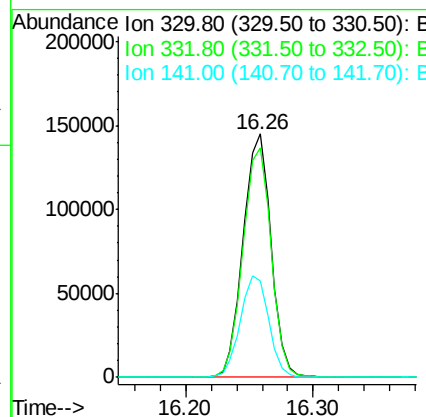
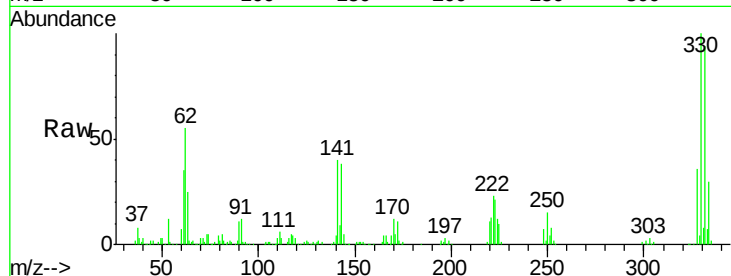




#42
 2,4,6-Tribromophenol
 Concen: 156.602 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040049.D
 Acq: 20 Mar 2019 23:45

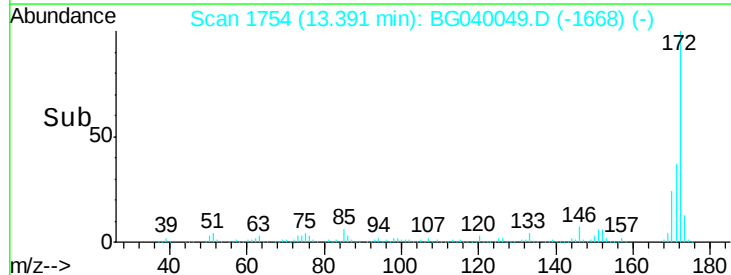
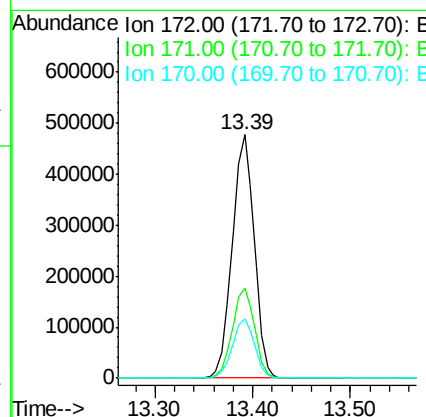
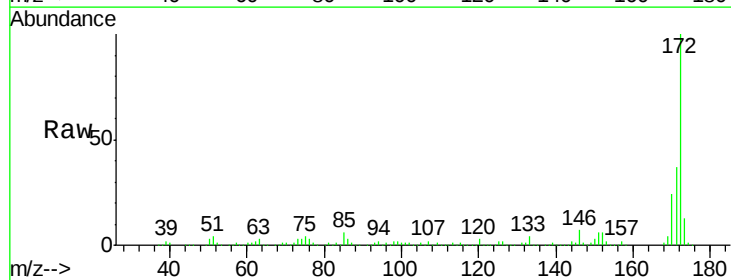
Instrument :
 BNA_G
 ClientSampleId :

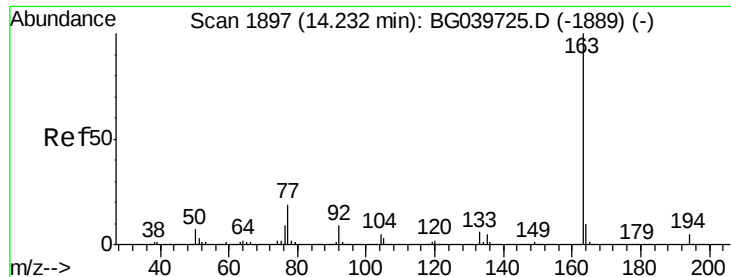
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.7	113.5
141	42.4	35.6	53.4



#45
 2-Fluorobiphenyl
 Concen: 87.204 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040049.D
 Acq: 20 Mar 2019 23:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	24.1	20.2	30.4





#50

Dimethylphthalate

Concen: 8.497 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

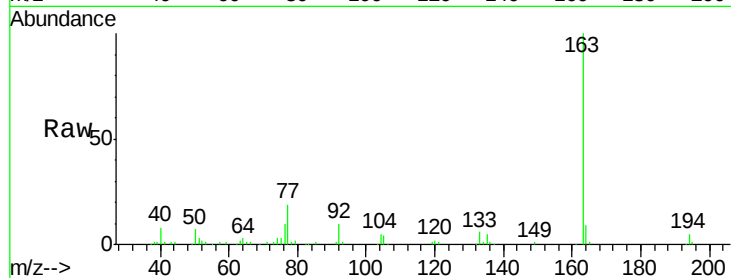
Tot Ion:163 Resp: 86182

Ion Ratio Lower Upper

163 100

194 5.0 3.6 5.4

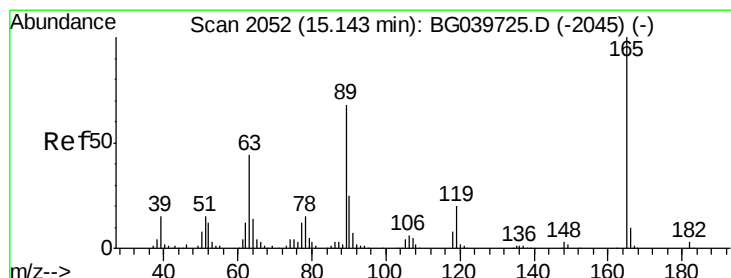
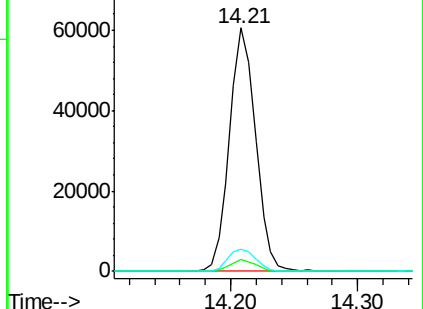
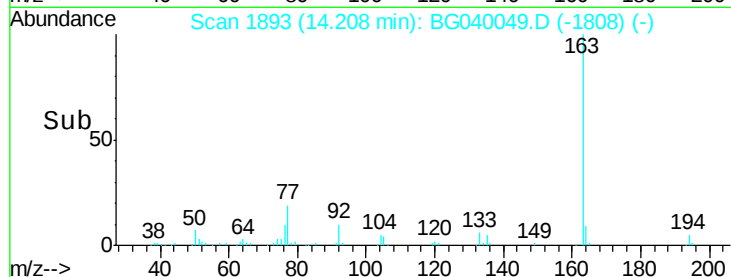
164 8.9 8.4 12.6



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: 5.042 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

Tgt Ion:165 Resp: 15234

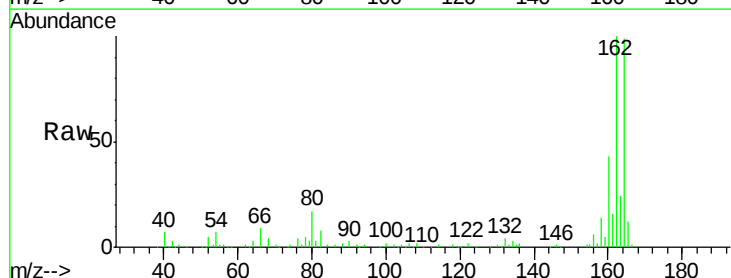
Ion Ratio Lower Upper

165 100

63 1.7 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

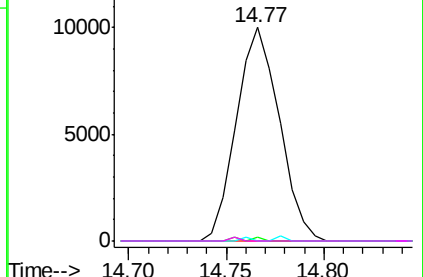
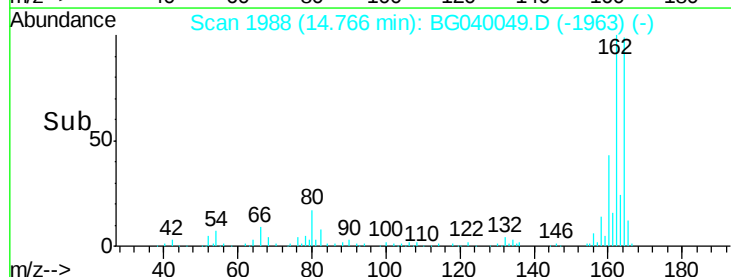


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

Ion 182.00 (181.70 to 182.70): E

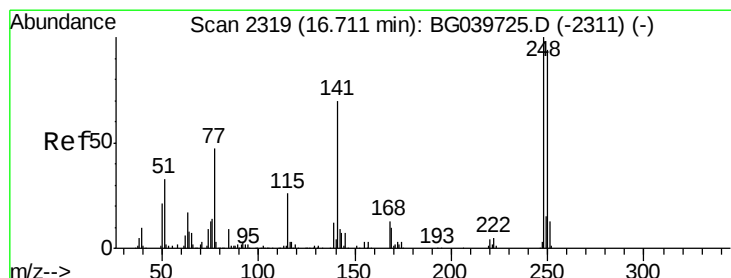
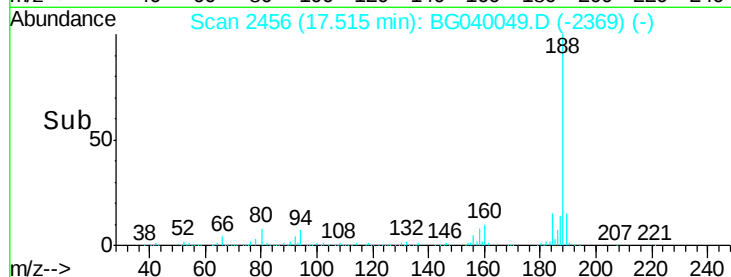
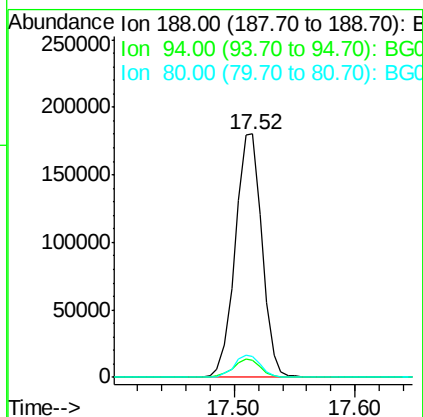
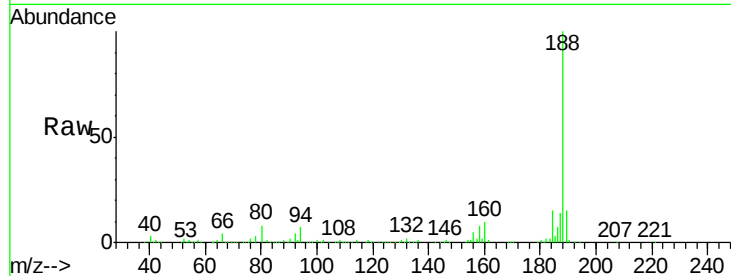




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040049.D
 Acq: 20 Mar 2019 23:45

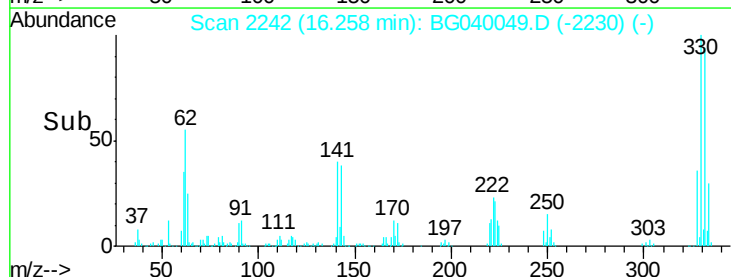
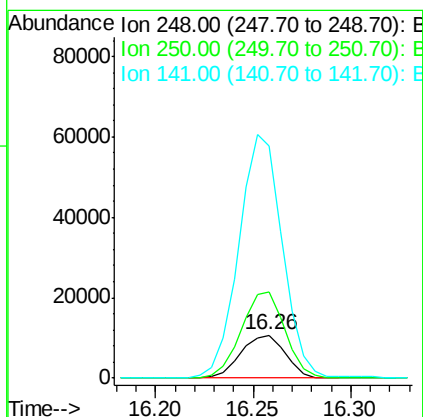
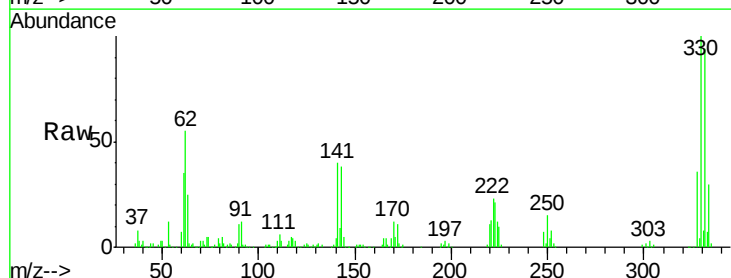
Instrument :
 BNA_G
 ClientSampled :

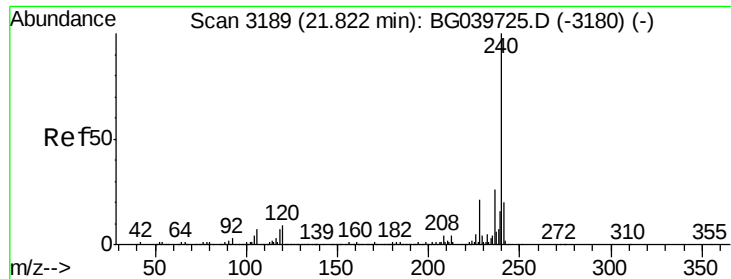
Tot Ion:188 Resp: 278554
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 8.3 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 5.459 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040049.D
 Acq: 20 Mar 2019 23:45

Tgt Ion:248 Resp: 17020
 Ion Ratio Lower Upper
 248 100
 250 199.2 77.6 116.4#
 141 536.6 63.9 95.9#

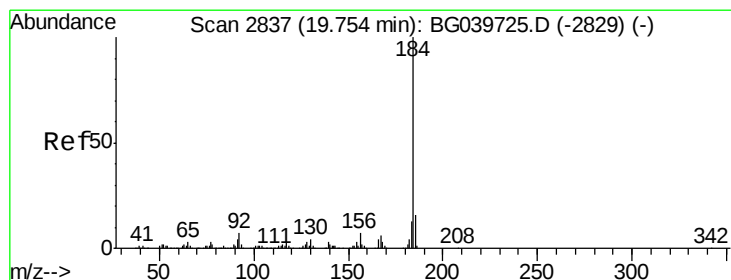
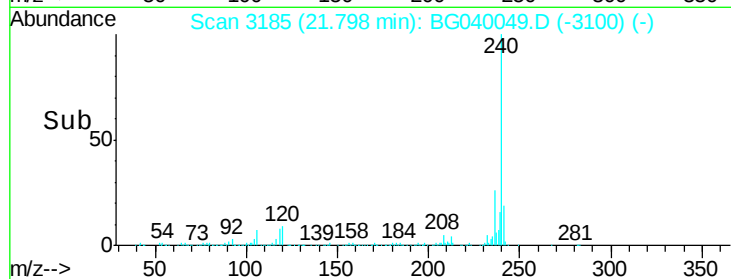
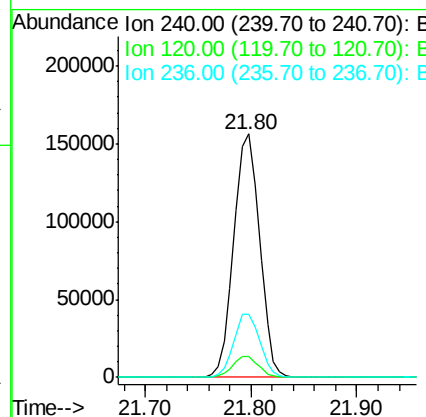
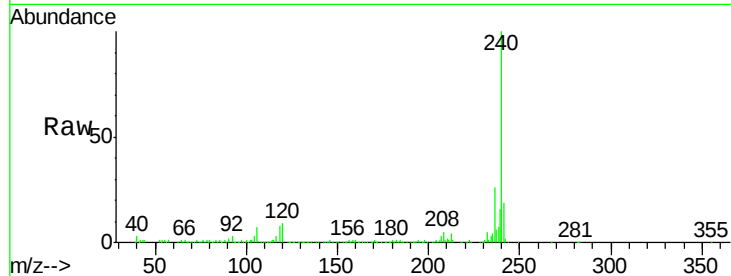




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

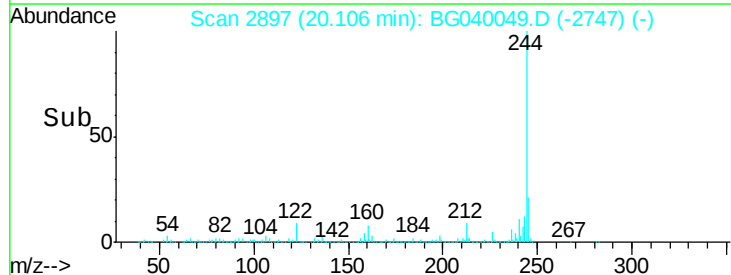
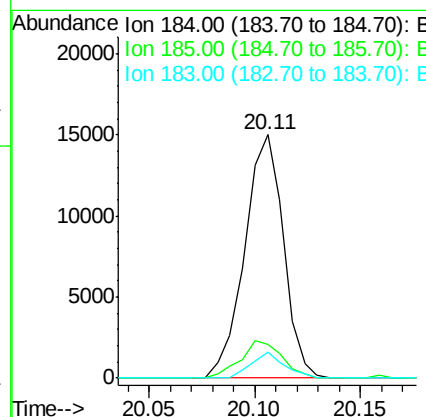
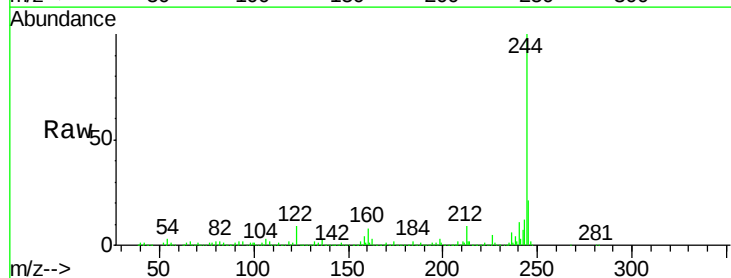
Instrument :
BNA_G
ClientSampleId :

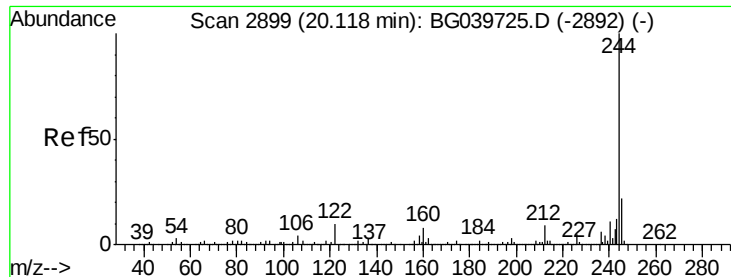
Tot Ion:240 Resp: 264914
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 25.7 21.0 31.4



#77
Benzidine
Concen: 2.264 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040049.D
Acq: 20 Mar 2019 23:45

Tgt Ion:184 Resp: 19032
Ion Ratio Lower Upper
184 100
185 13.9 12.2 18.2
183 10.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 81.865 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

Instrument :

BNA_G

ClientSampleId :

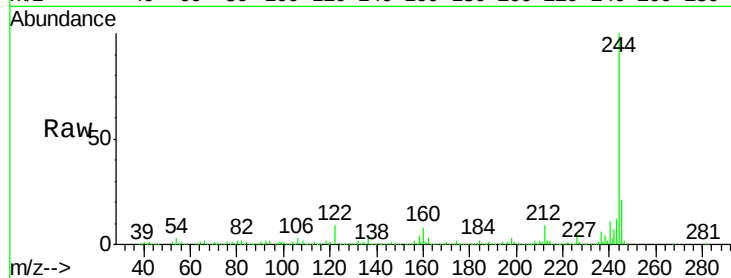
Tot Ion:244 Resp: 984971

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

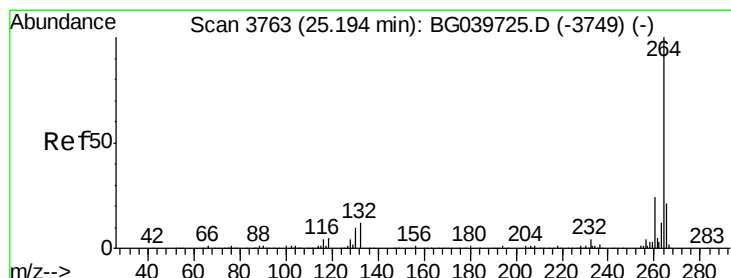
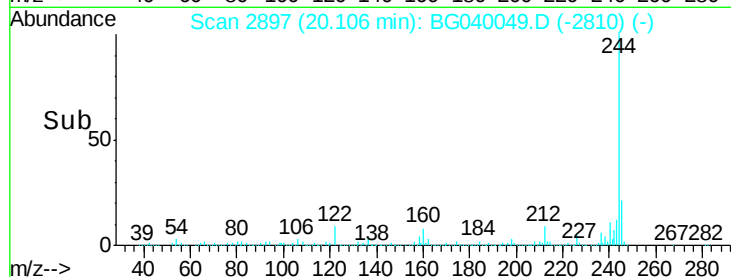
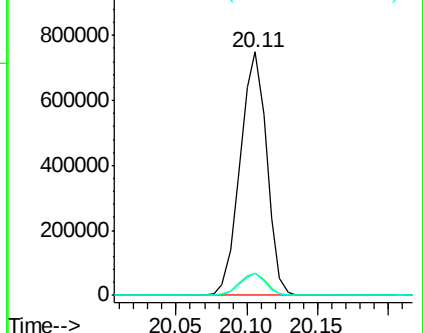
122 9.0 8.4 12.6



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

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040049.D

Acq: 20 Mar 2019 23:45

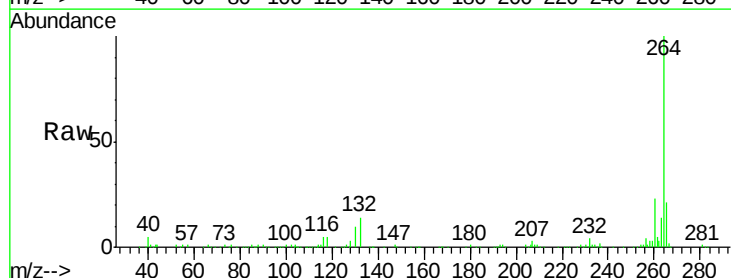
Tgt Ion:264 Resp: 271001

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

265 21.3 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

