

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
 Data File : BG040034.D
 Acq On : 20 Mar 2019 11:54
 Operator : JU/SJ
 Sample : K1956-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Mar 20 14:24:30 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

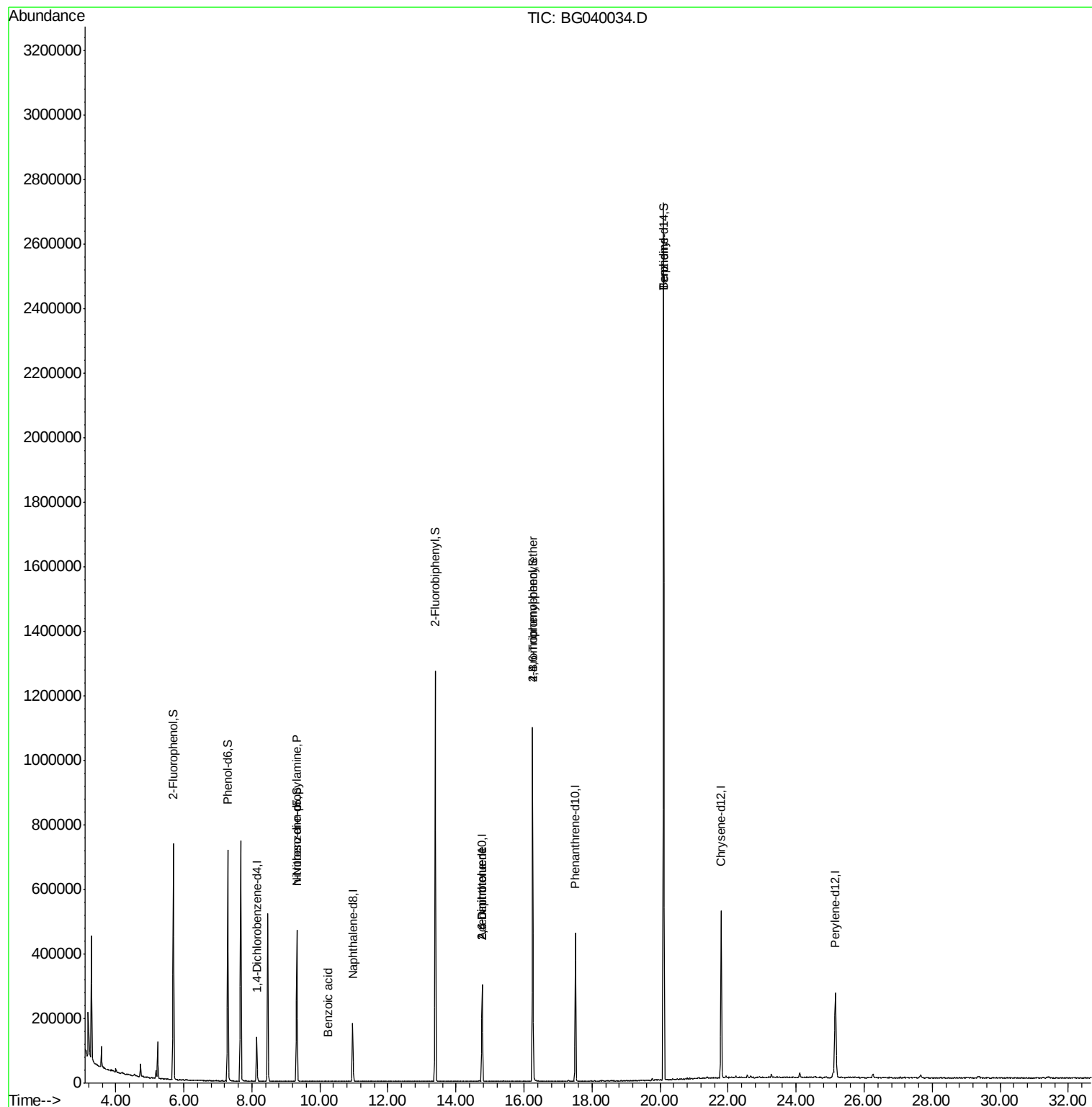
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	37430	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	154698	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	104659	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	283054	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	312361	20.00	ng	-0.03
87) Perylene-d12	25.16	264	303363	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	295706	134.78	ng	-0.02
7) Phenol-d6	7.29	99	399893	122.24	ng	-0.02
23) Nitrobenzene-d5	9.32	82	280679	98.13	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	182305	149.45	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	667853	90.86	ng	-0.03
79) Terphenyl-d14	20.10	244	1268049	89.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	36562	15.527	ng	# 71
32) Benzoic acid	10.25	122	55	6.629	ng	# 1
51) 2,6-Dinitrotoluene	14.76	165	13503	7.278	ng	# 22
57) 2,4-Dinitrotoluene	14.76	165	13503	5.180	ng	# 17
67) 4-Bromophenyl-phenylether	16.26	248	14207	4.484	ng	# 1
77) Benzidine	20.10	184	23362	2.357	ng	# 96

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

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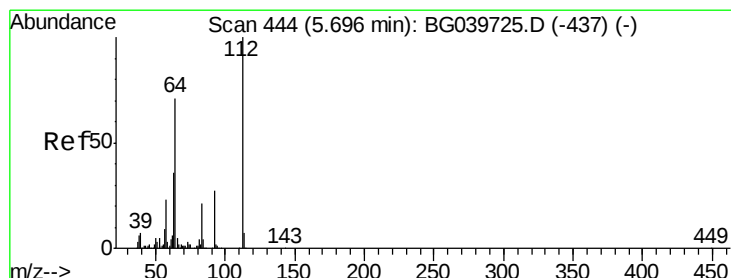
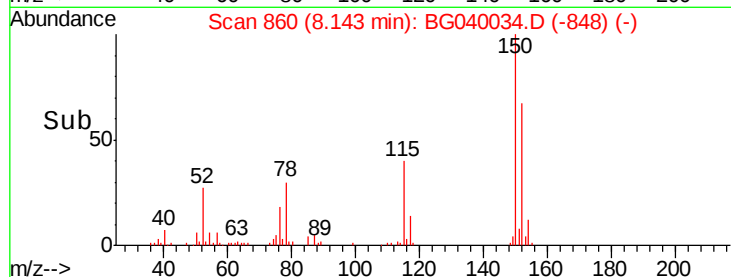
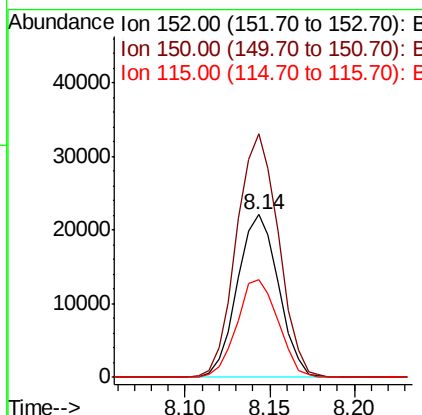
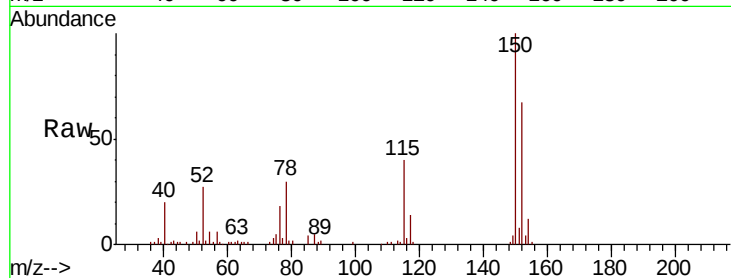


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

Instrument :
BNA_G
ClientSampleId :
TP-8

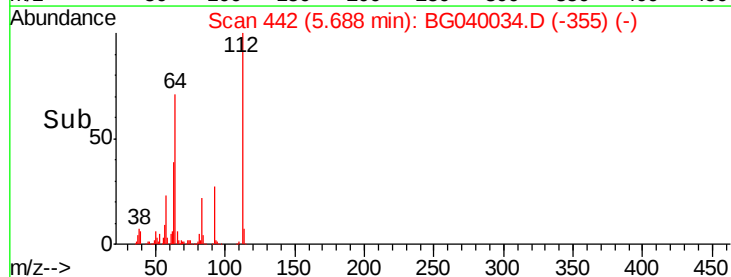
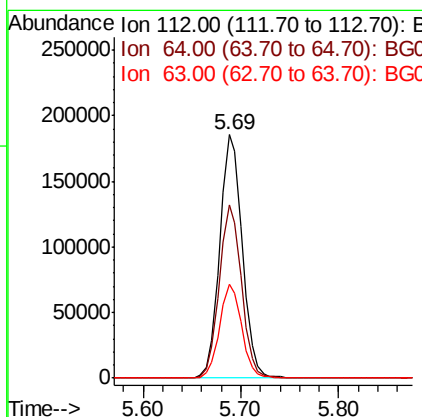
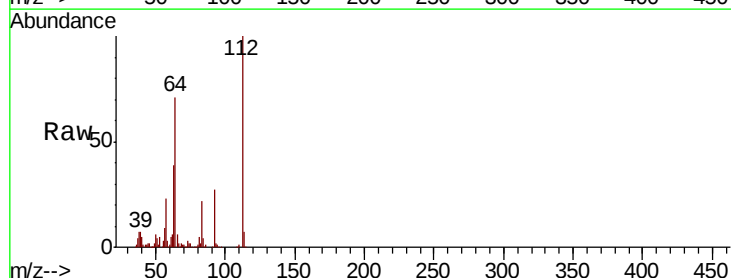
Tot Ion:152 Resp: 37430
Ion Ratio Lower Upper
152 100
150 149.9 123.7 185.5
115 60.1 45.9 68.9

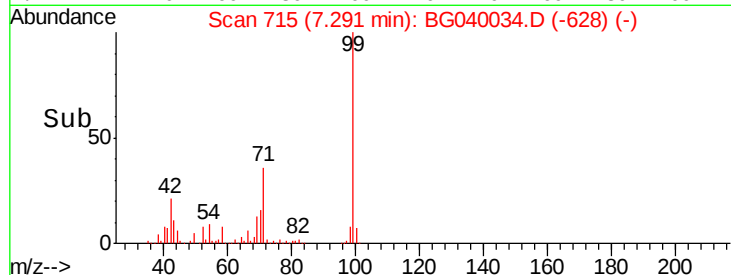
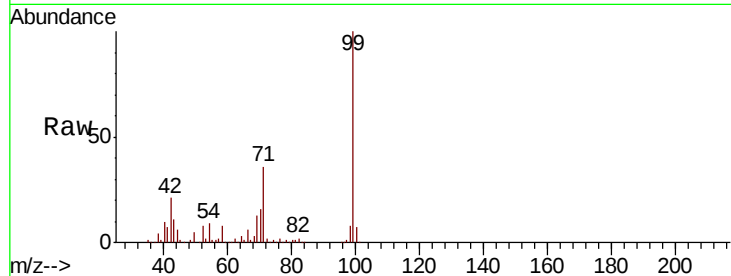


#5

2-Fluorophenol
Concen: 134.779 ng
RT: 5.69 min Scan# 442
Delta R.T. -0.02 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

Tgt Ion:112 Resp: 295706
Ion Ratio Lower Upper
112 100
64 71.3 57.8 86.8
63 38.7 29.8 44.6





#7

Phenol-d6

Concen: 122.239 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Instrument :

BNA_G

ClientSampleId :

TP-8

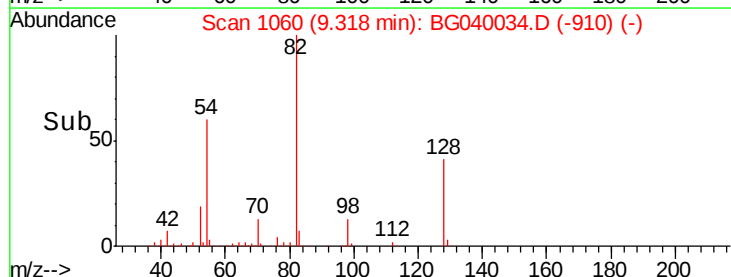
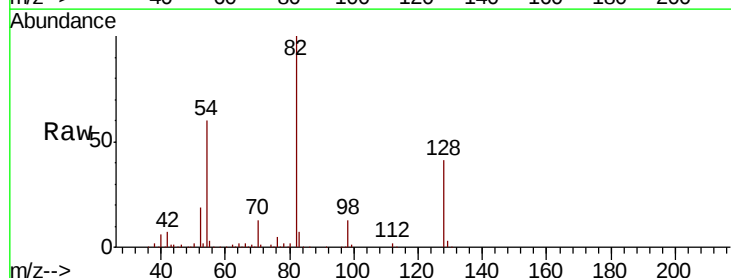
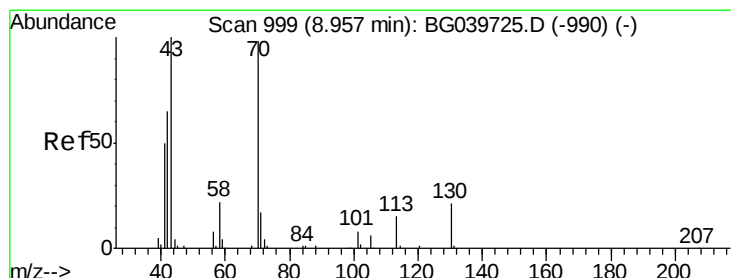
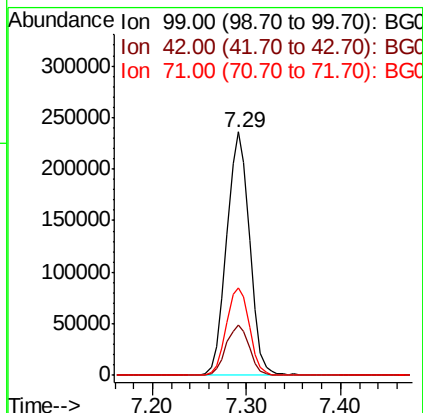
Tot Ion: 99 Resp: 399893

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 36.0 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.527 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Tgt Ion: 70 Resp: 36562

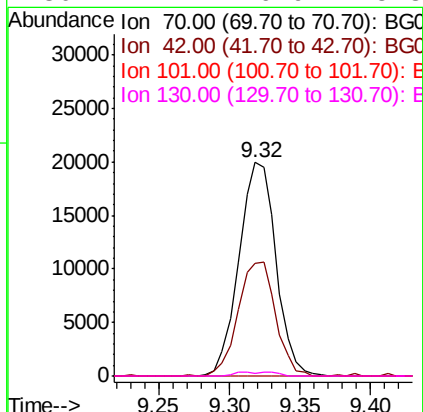
Ion Ratio Lower Upper

70 100

42 53.0 60.4 90.6#

101 0.0 7.5 11.3#

130 1.4 16.9 25.3#

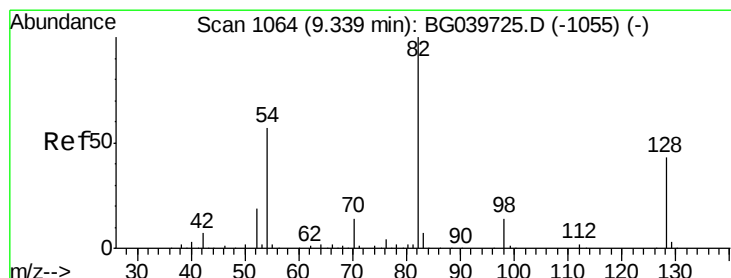
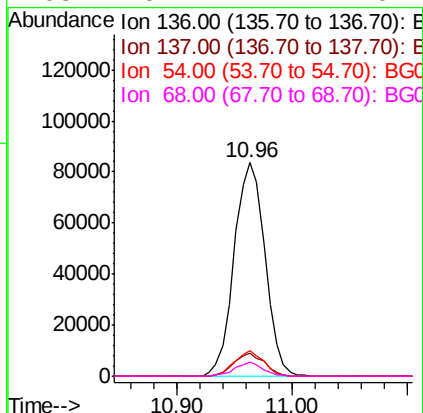
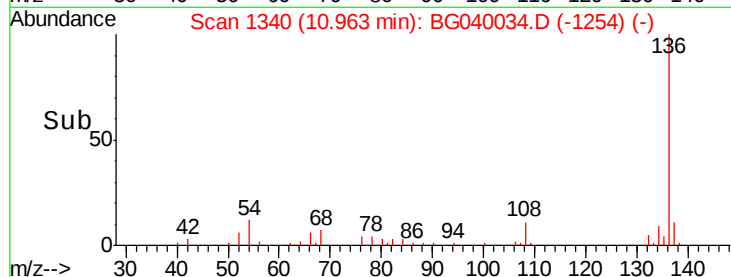
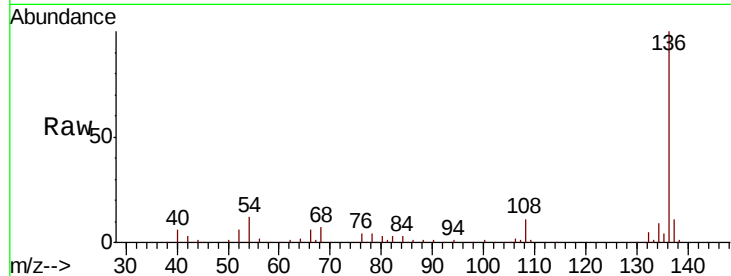




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

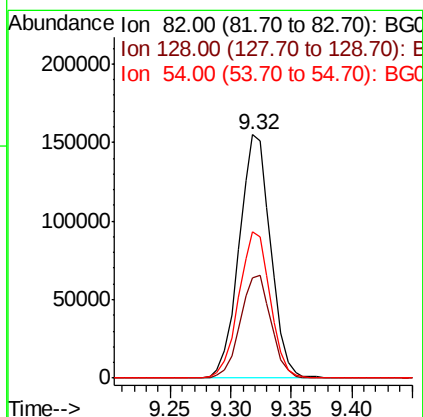
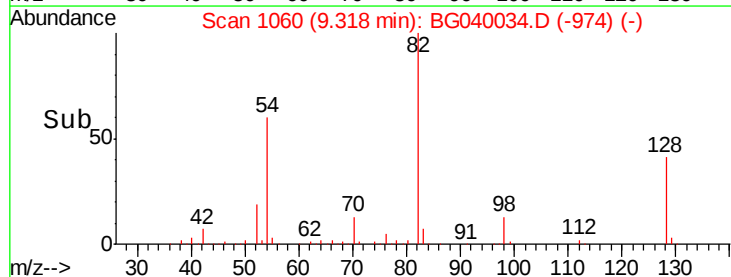
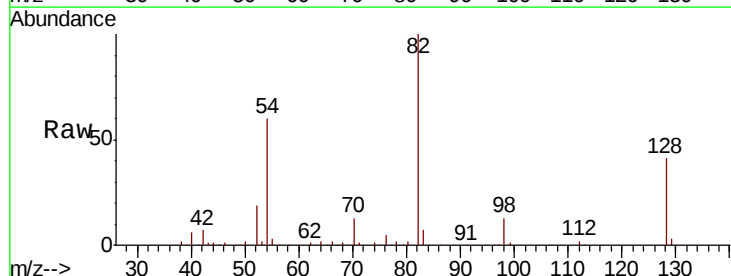
Instrument :
BNA_G
ClientSampleId :
TP-8

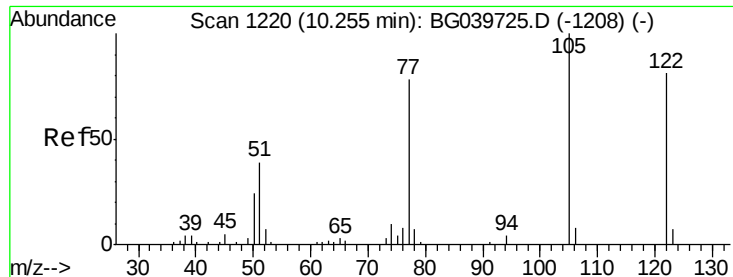
Tot Ion:136 Resp: 154698
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 12.1 9.4 14.2
68 6.7 4.2 6.4#



#23
Nitrobenzene-d5
Concen: 98.128 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

Tgt Ion: 82 Resp: 280679
Ion Ratio Lower Upper
82 100
128 41.4 31.3 46.9
54 60.2 50.9 76.3





#32

Benzoic acid

Concen: 6.629 ng

RT: 10.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Instrument :

BNA_G

ClientSampleId :

TP-8

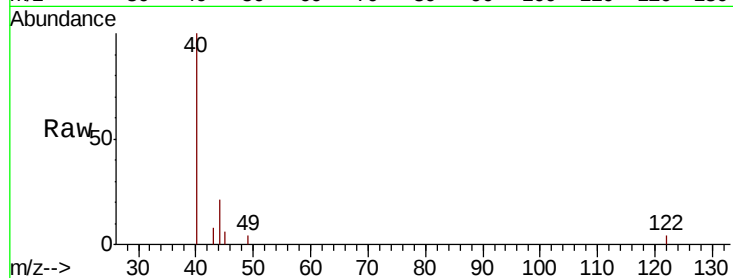
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

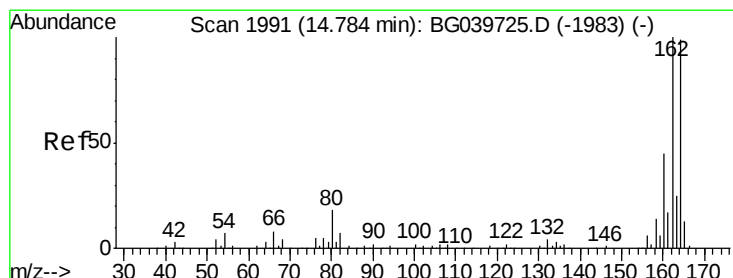
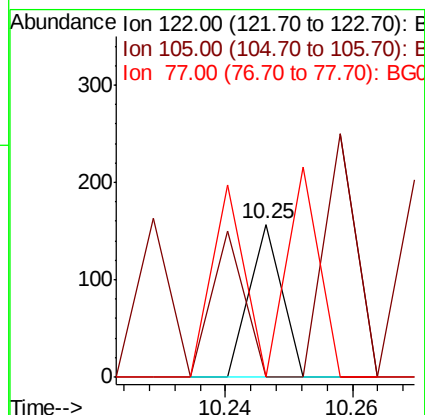
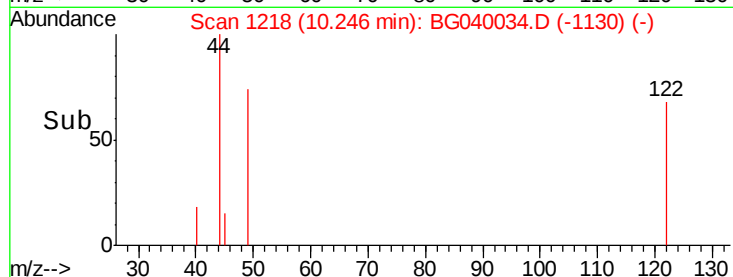
77 0.0 76.3 116.3#



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# 1988

Delta R.T. -0.02 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

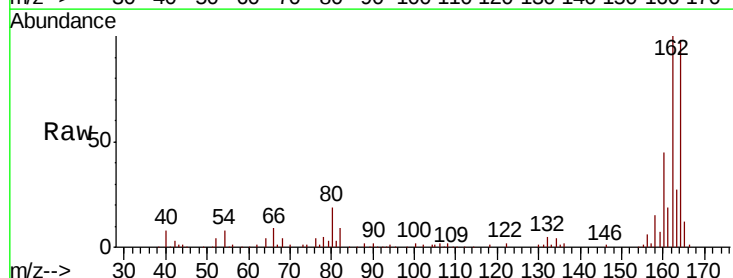
Tgt Ion:164 Resp: 104659

Ion Ratio Lower Upper

164 100

162 101.7 81.6 122.4

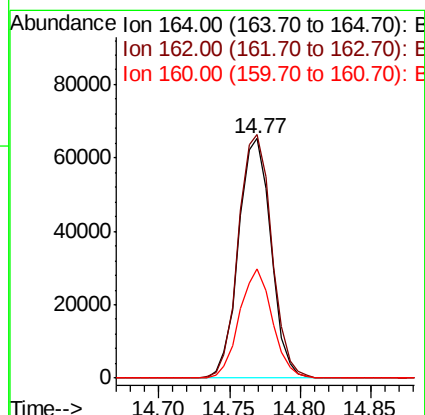
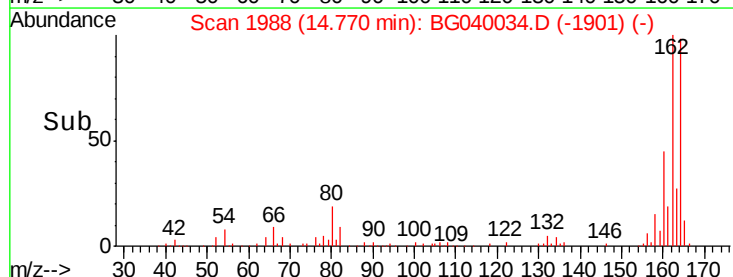
160 45.7 34.2 51.2

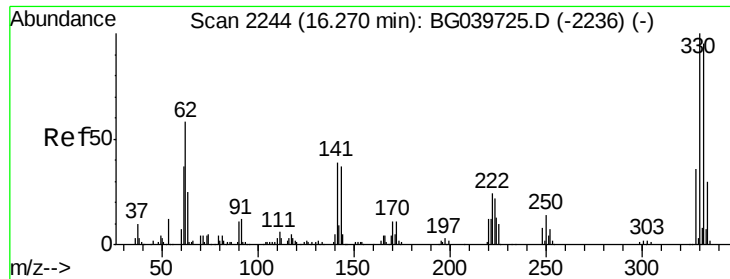


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

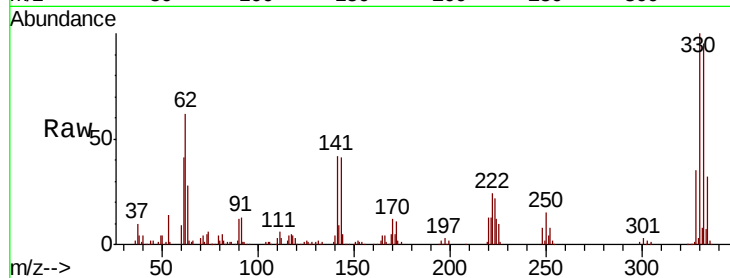




#42
 2,4,6-Tribromophenol
 Concen: 149.445 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040034.D
 Acq: 20 Mar 2019 11:54

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	75.7	113.5
141	43.0	35.6	53.4

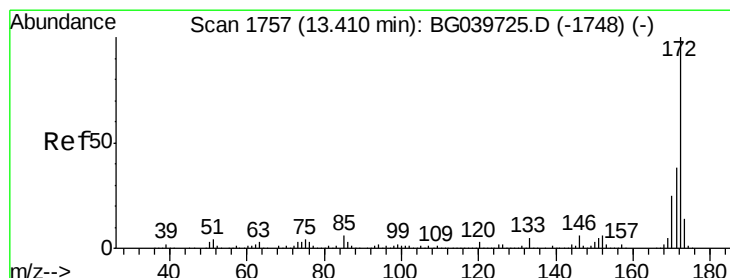
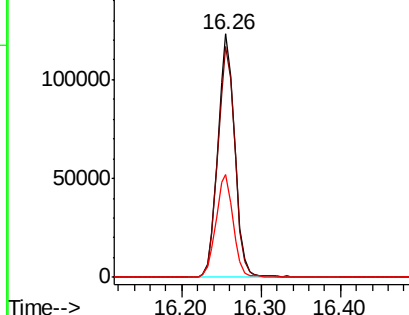
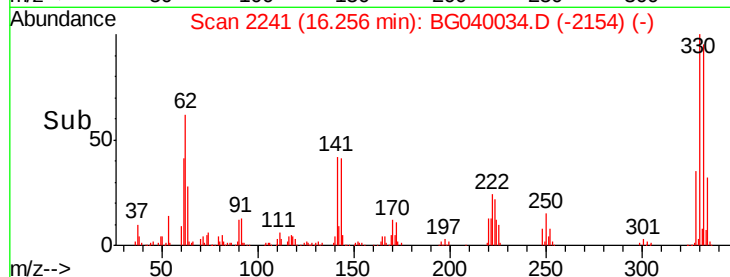


Abundance

Ion 329.80 (329.50 to 330.50): E

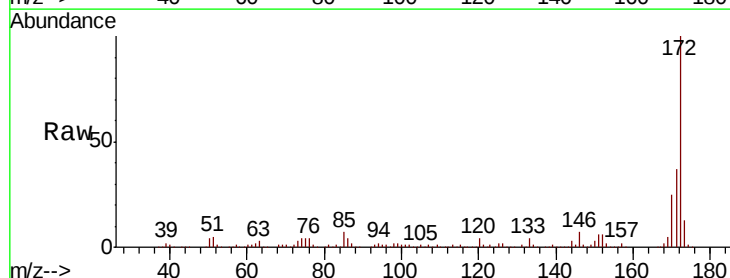
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.858 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040034.D
 Acq: 20 Mar 2019 11:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	24.7	20.2	30.4

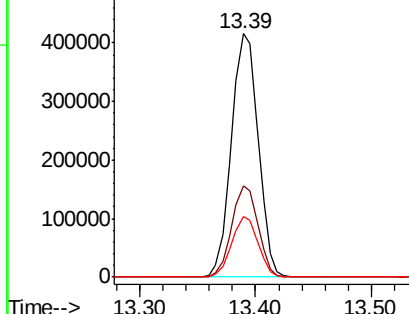
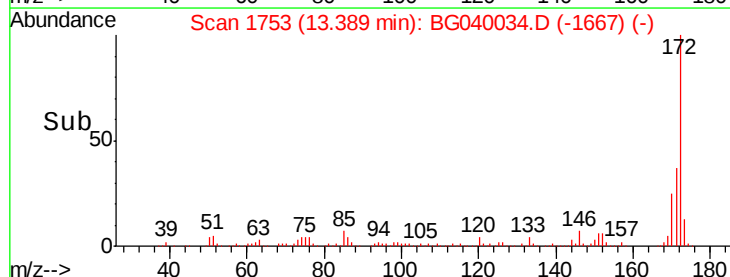


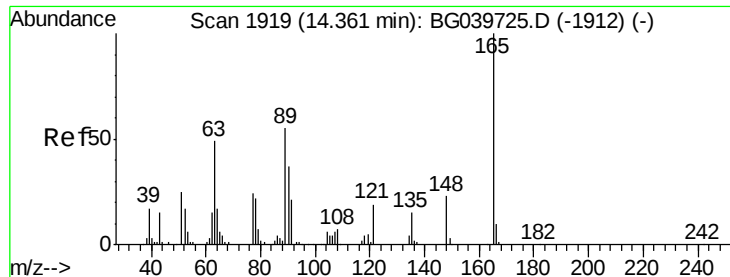
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.278 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.40 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Instrument :

BNA_G

ClientSampled :

TP-8

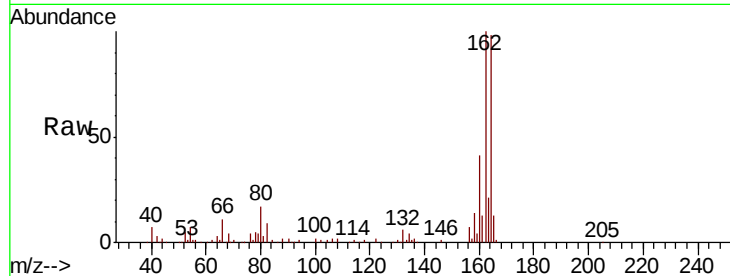
Tot Ion:165 Resp: 13503

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

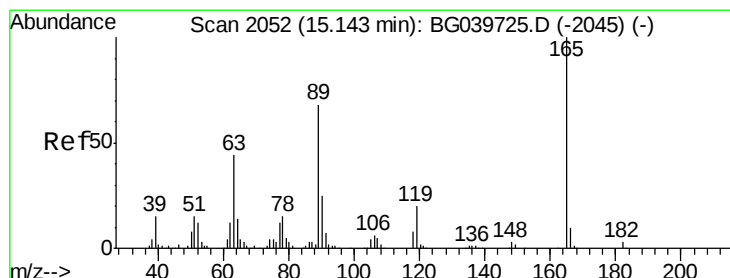
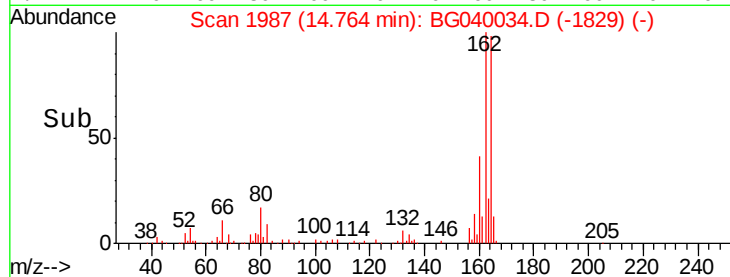
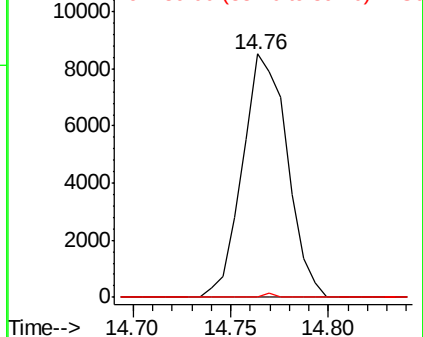
89 0.0 45.8 68.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.180 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.39 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Tgt Ion:165 Resp: 13503

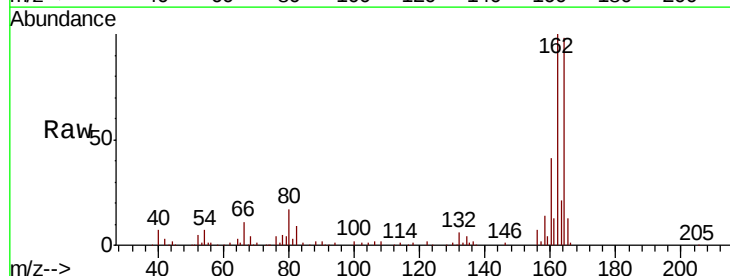
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

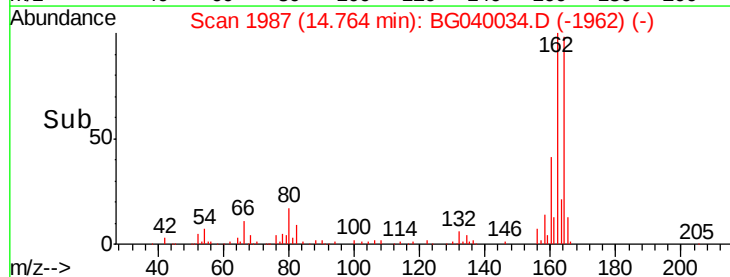
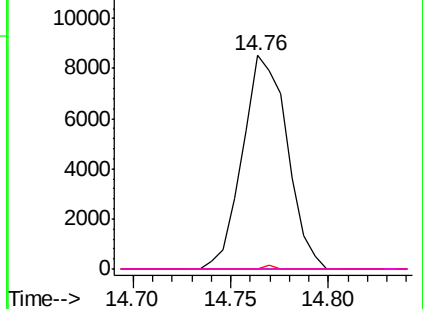


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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# 2455

Delta R.T. -0.02 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Instrument :

BNA_G

ClientSampled :

TP-8

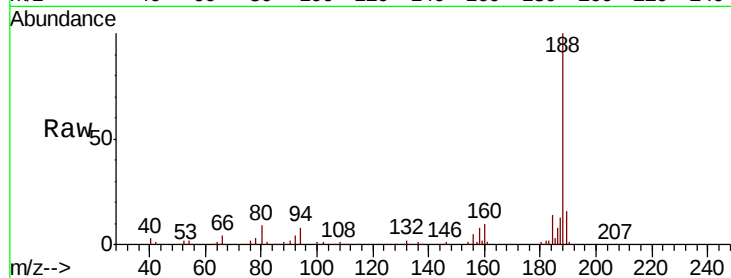
Tot Ion:188 Resp: 283054

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

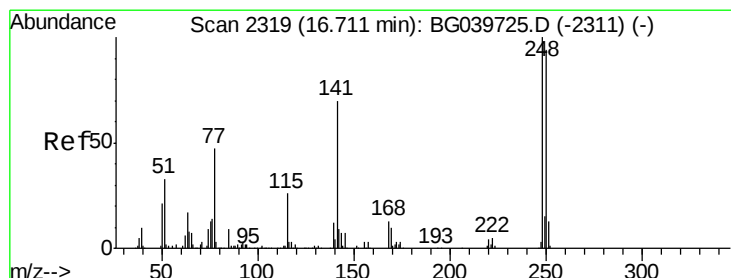
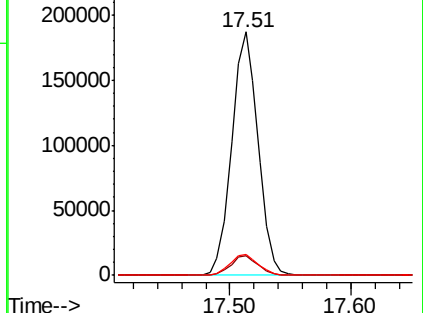
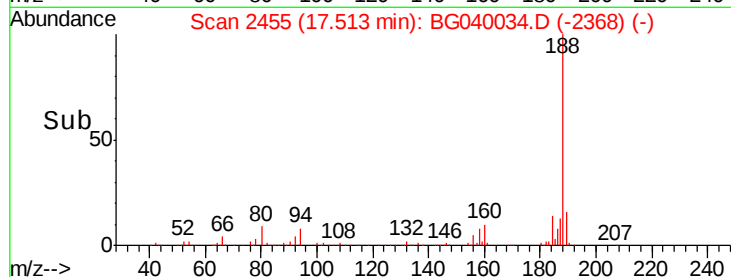
80 8.5 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.484 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

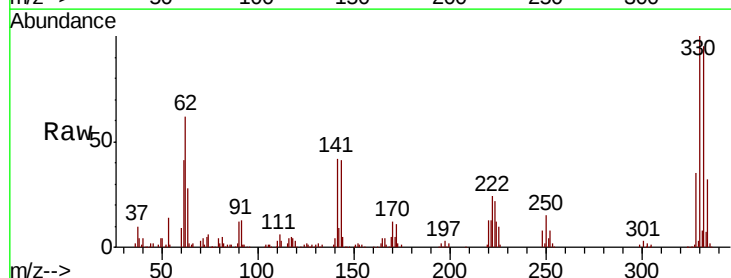
Tgt Ion:248 Resp: 14207

Ion Ratio Lower Upper

248 100

250 186.7 77.6 116.4#

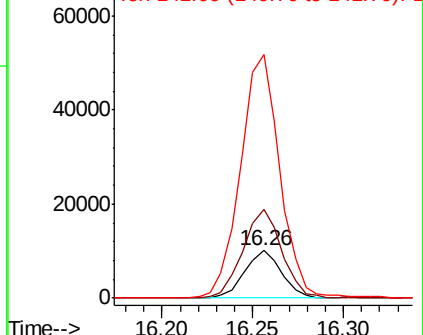
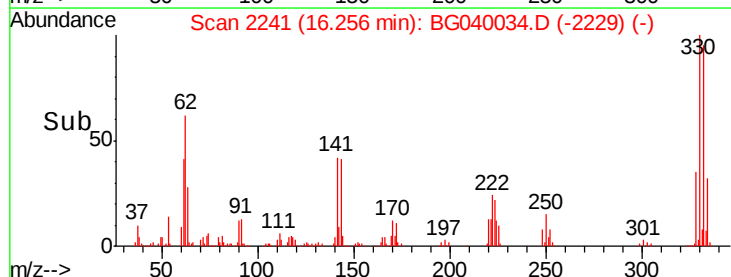
141 514.4 63.9 95.9#

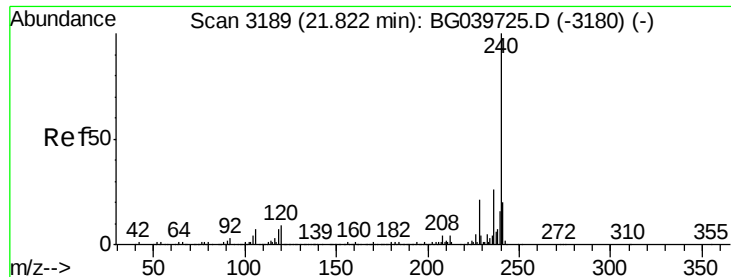


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

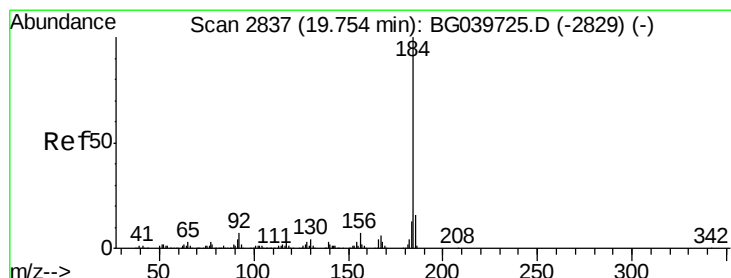
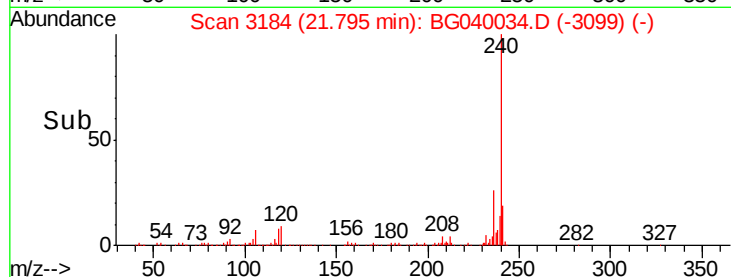
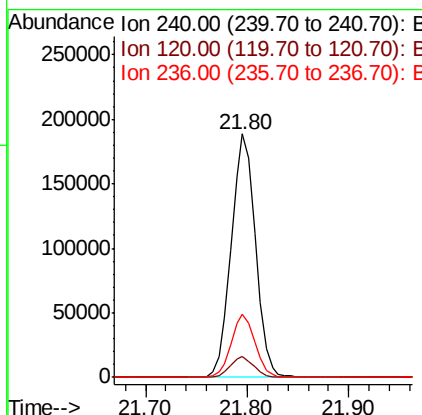
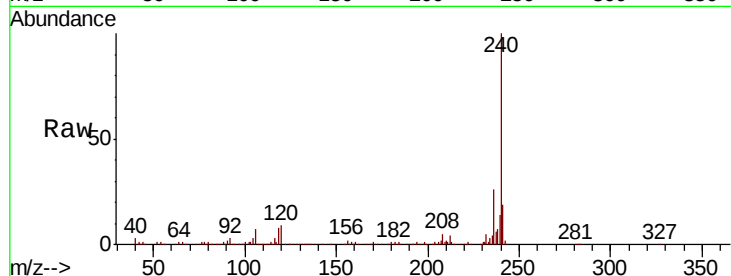




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

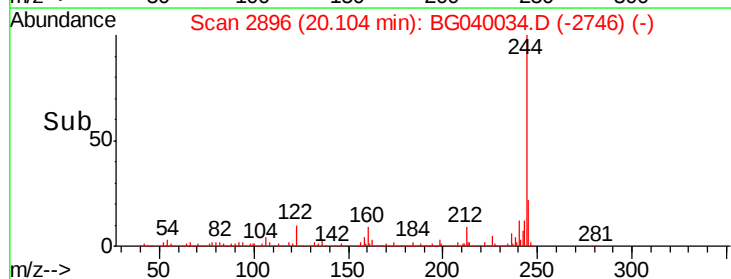
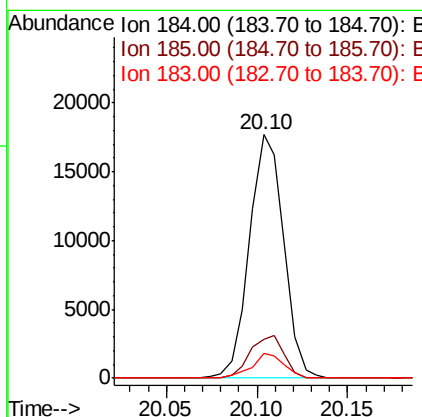
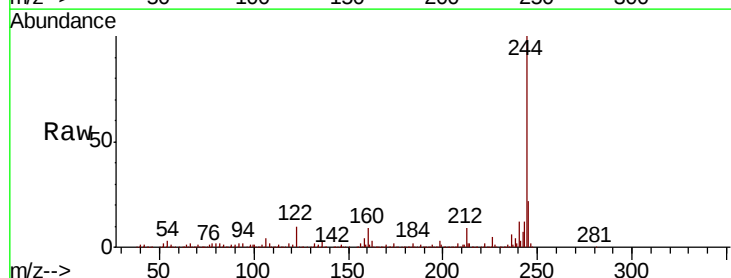
Instrument :
BNA_G
ClientSampled :
TP-8

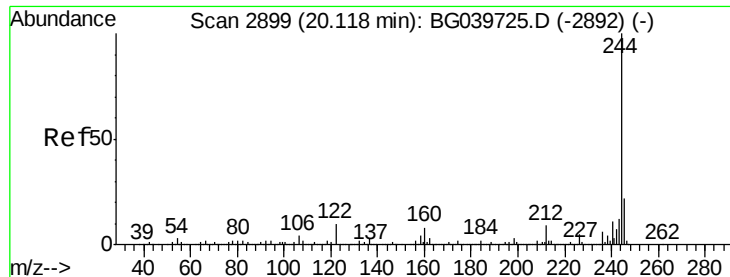
Tot Ion:240 Resp: 312361
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.6
236 25.8 21.0 31.4



#77
Benzidine
Concen: 2.357 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040034.D
Acq: 20 Mar 2019 11:54

Tgt Ion:184 Resp: 23362
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 10.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.384 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

Instrument :

BNA_G

ClientSampleId :

TP-8

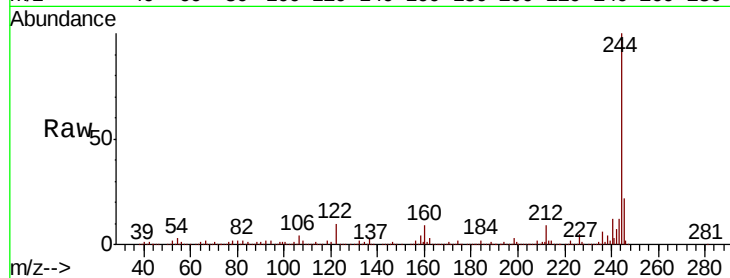
Tot Ion:244 Resp: 1268049

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

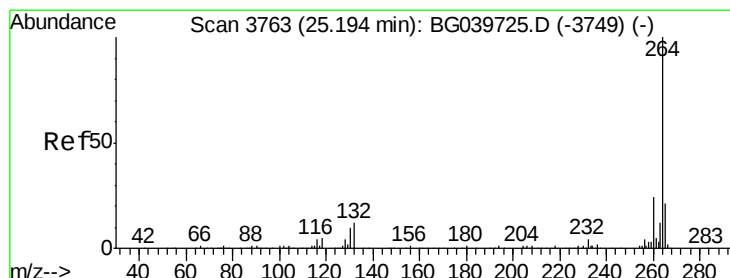
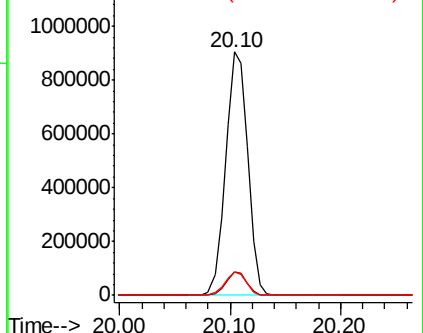
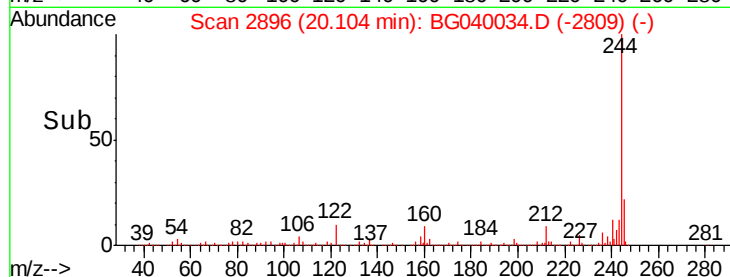
122 9.7 8.4 12.6



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# 3756

Delta R.T. -0.04 min

Lab File: BG040034.D

Acq: 20 Mar 2019 11:54

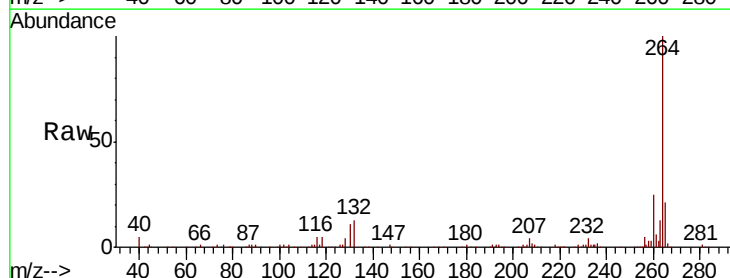
Tgt Ion:264 Resp: 303363

Ion Ratio Lower Upper

264 100

260 25.4 18.2 27.4

265 20.9 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

