

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040218.D
 Acq On : 29 Mar 2019 3:43
 Operator : JU/SJ
 Sample : K2111-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S7A(4-20)COMP

Quant Time: Mar 29 05:50:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

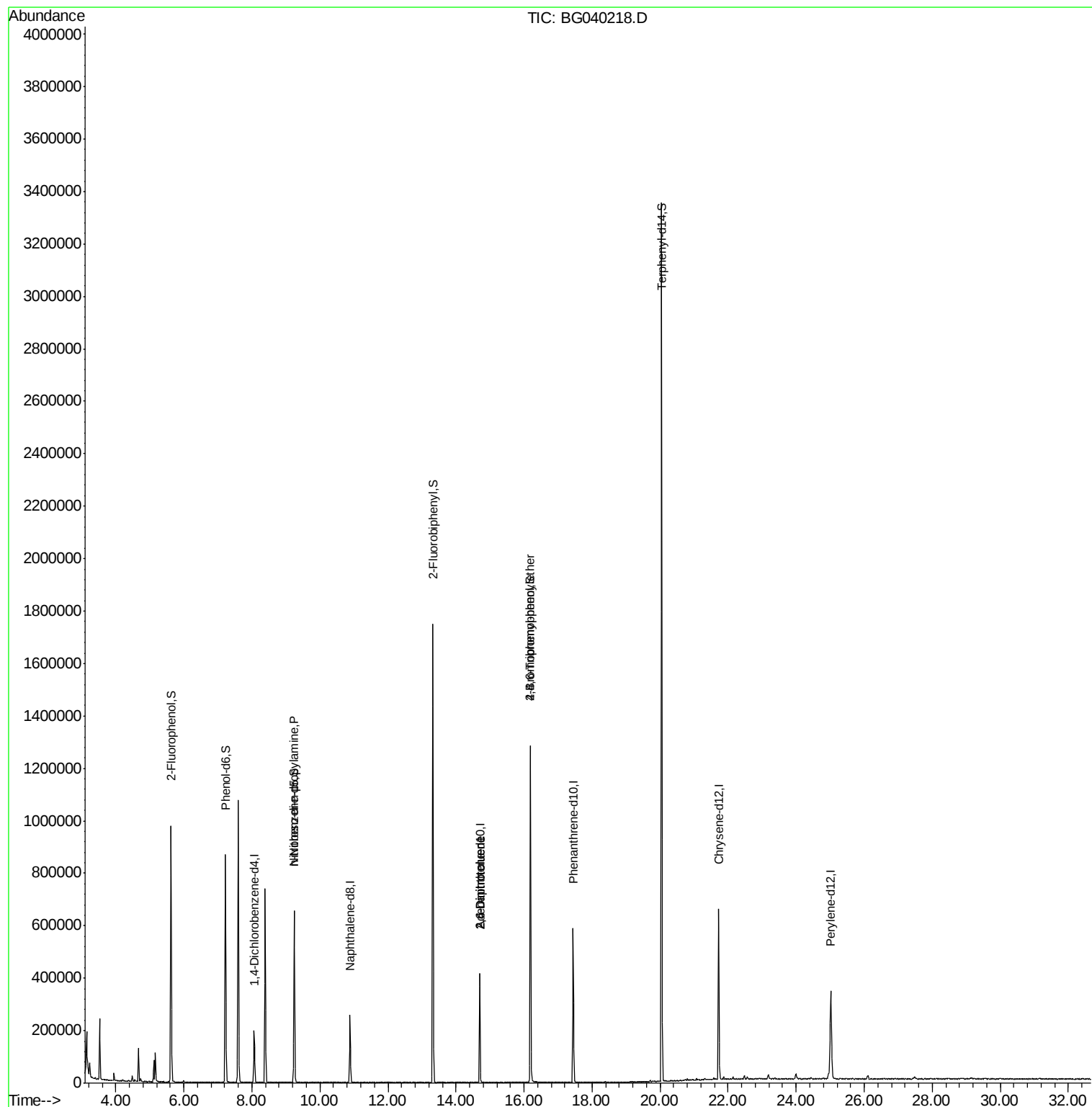
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	55780	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	228772	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	141435	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	355380	20.00	ng	0.00
76) Chrysene-d12	21.72	240	382572	20.00	ng	0.00
87) Perylene-d12	25.02	264	370833	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	424939	126.64	ng	0.00
7) Phenol-d6	7.22	99	520143	112.17	ng	0.00
23) Nitrobenzene-d5	9.25	82	403087	93.65	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	236613	154.80	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	910239	95.36	ng	0.00
79) Terphenyl-d14	20.05	244	1523811	89.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	50245	15.112	ng	# 70
51) 2,6-Dinitrotoluene	14.70	165	18630	7.496	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	18630	5.394	ng	# 25
67) 4-Bromophenyl-phenylether	16.19	248	17985	4.497	ng	# 1

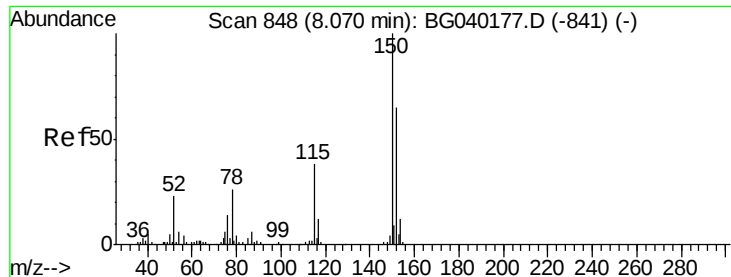
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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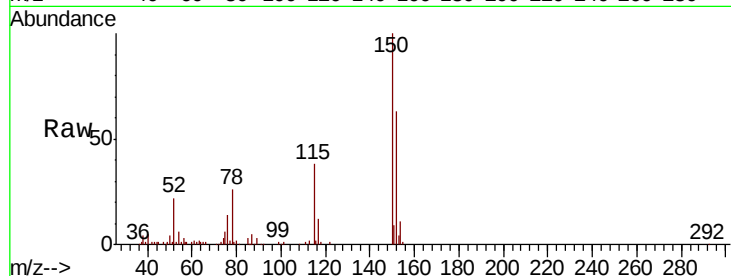


#1

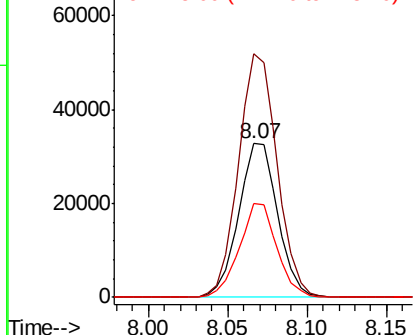
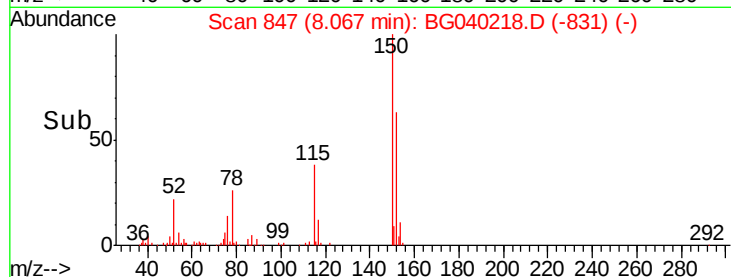
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BG040218.D
 Acq: 29 Mar 2019 3:43

Instrument :
 BNA_G
 ClientSampleId :
 S7A(4-20)COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.7	123.7	185.5
115	60.8	46.9	70.3



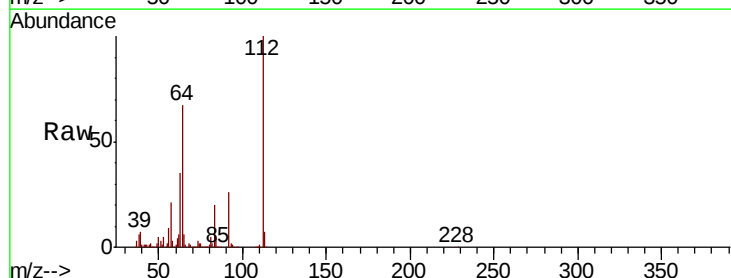
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



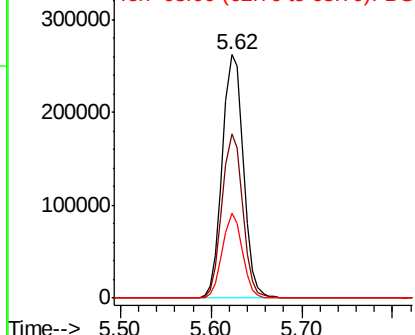
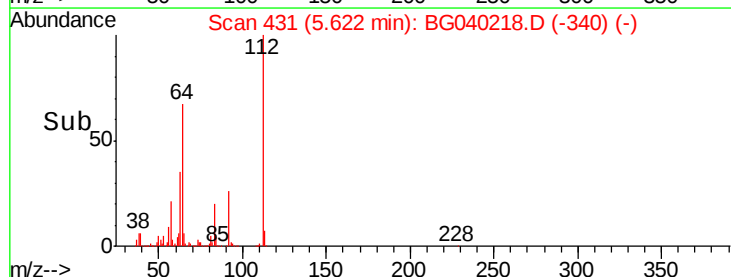
#5

2-Fluorophenol
 Concen: 126.645 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG040218.D
 Acq: 29 Mar 2019 3:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	54.2	81.2
63	34.7	26.4	39.6



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: 112.168 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

Instrument :

BNA_G

ClientSampleId :

S7A(4-20)COMP

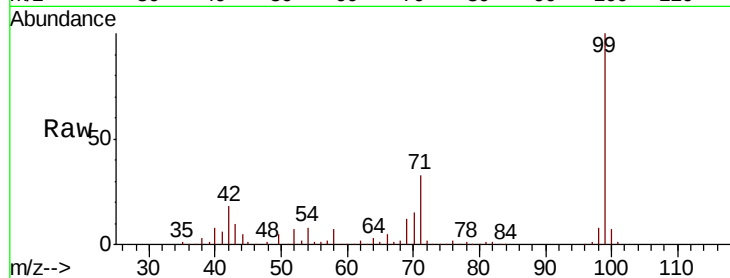
Tgt Ion: 99 Resp: 520143

Ion Ratio Lower Upper

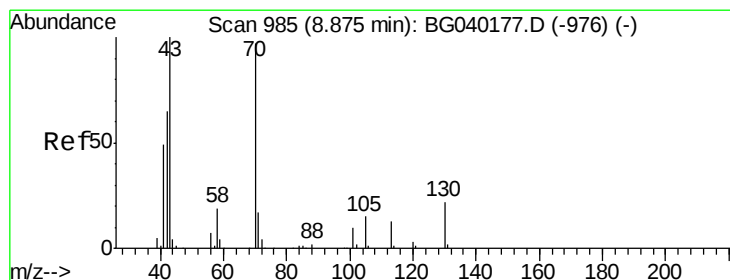
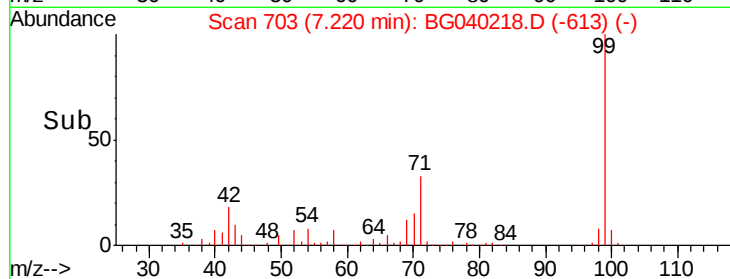
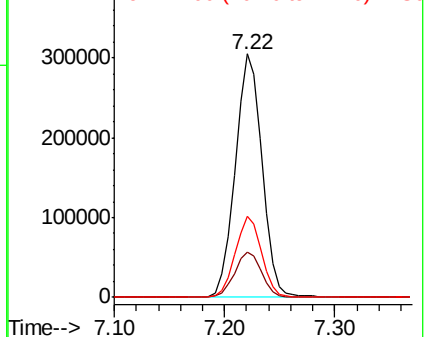
99 100

42 18.4 16.2 24.2

71 33.4 26.8 40.2



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: 15.112 ng

RT: 9.25 min Scan# 1048

Delta R.T. 0.37 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

Tgt Ion: 70 Resp: 50245

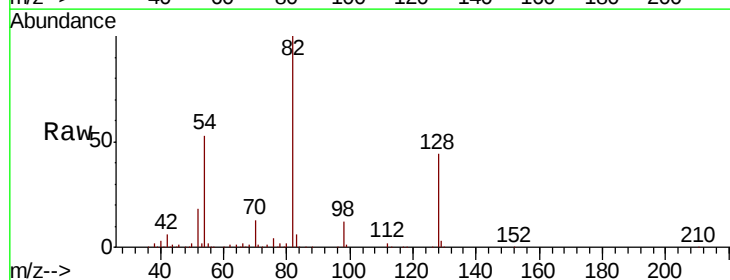
Ion Ratio Lower Upper

70 100

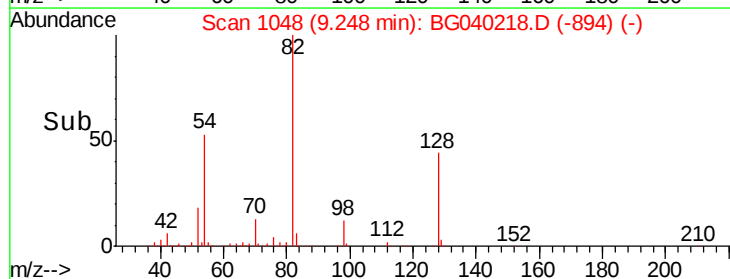
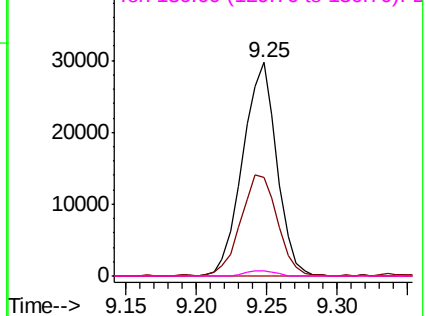
42 45.9 54.0 81.0#

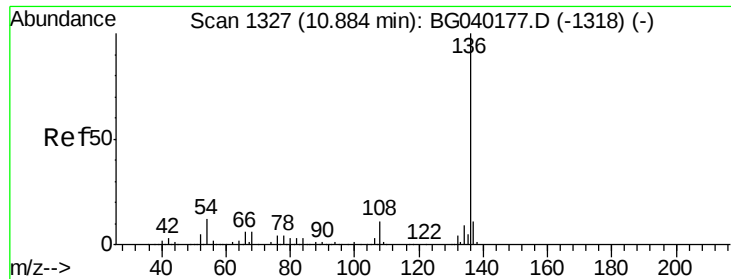
101 0.0 8.6 13.0#

130 2.4 18.2 27.2#



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

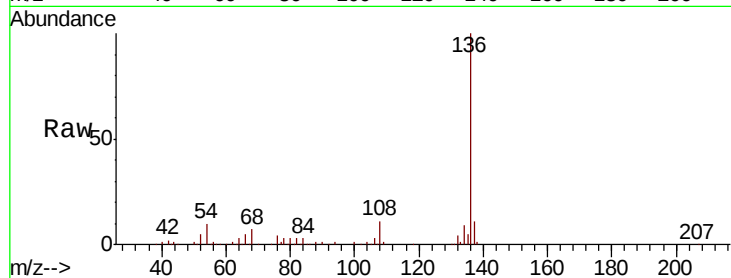




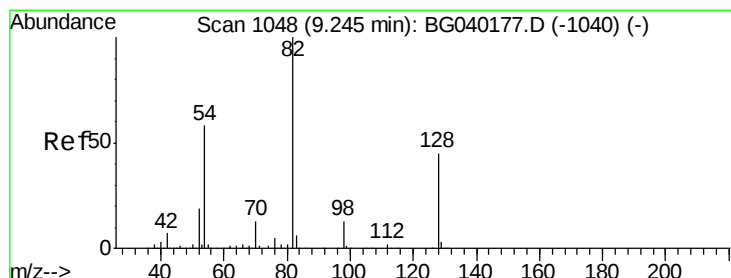
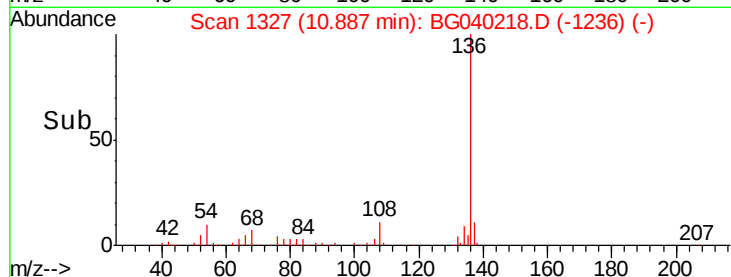
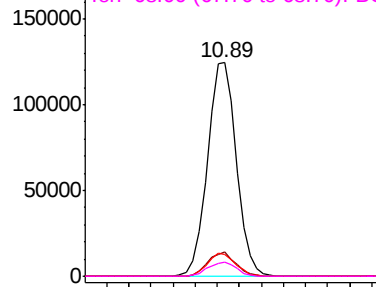
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040218.D
Acq: 29 Mar 2019 3:43

Instrument :
BNA_G
ClientSampleId :
S7A(4-20)COMP

Tgt Ion:	136	Resp:	228772
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.2	9.6	14.4
68	6.5	5.1	7.7

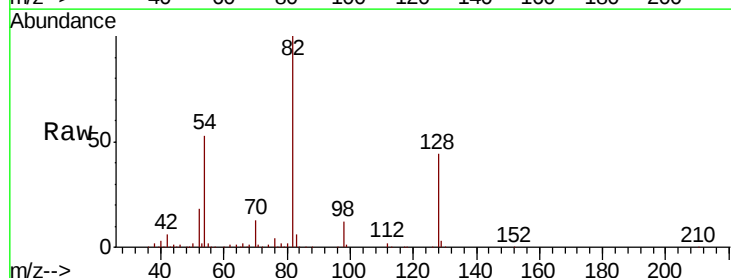


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

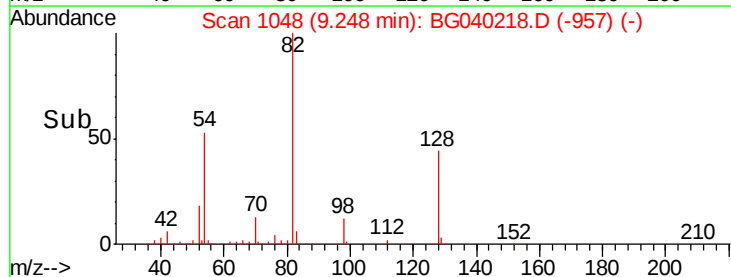
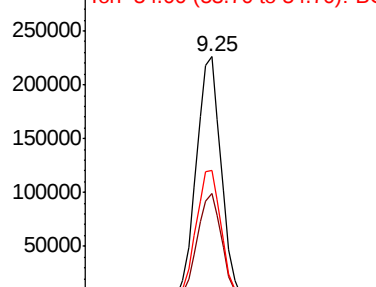


#23
Nitrobenzene-d5
Concen: 93.654 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG040218.D
Acq: 29 Mar 2019 3:43

Tgt Ion:	82	Resp:	403087
Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.8	53.8
54	53.2	46.2	69.2



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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

Instrument :

BNA_G

ClientSampleId :

S7A(4-20)COMP

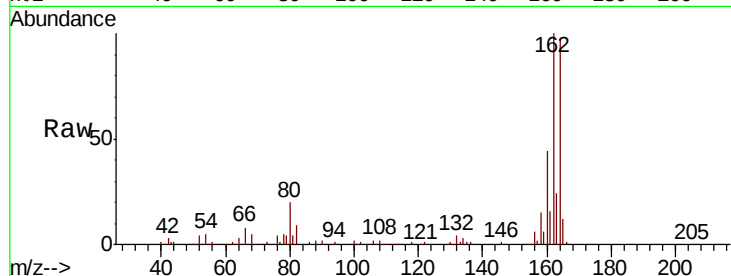
Tgt Ion:164 Resp: 141435

Ion Ratio Lower Upper

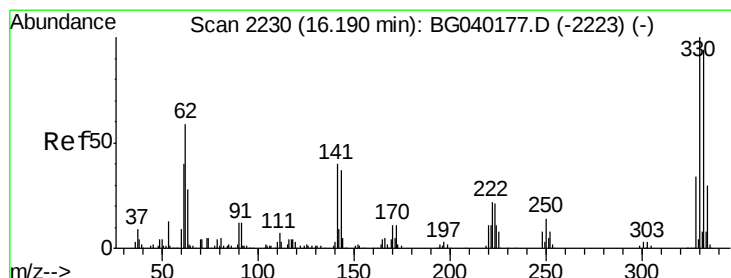
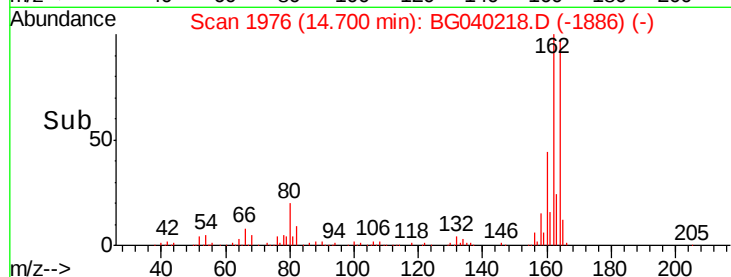
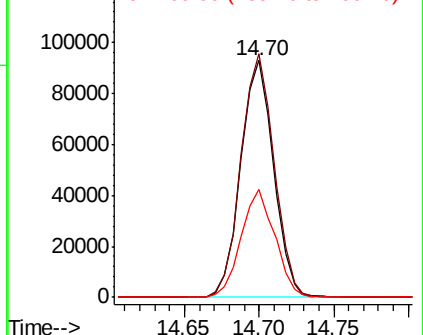
164 100

162 102.8 77.4 116.2

160 45.4 35.3 52.9



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: 154.796 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

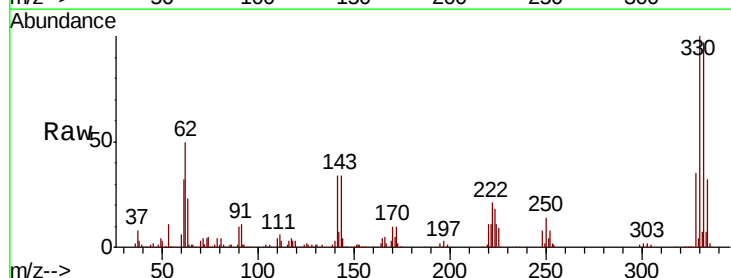
Tgt Ion:330 Resp: 236613

Ion Ratio Lower Upper

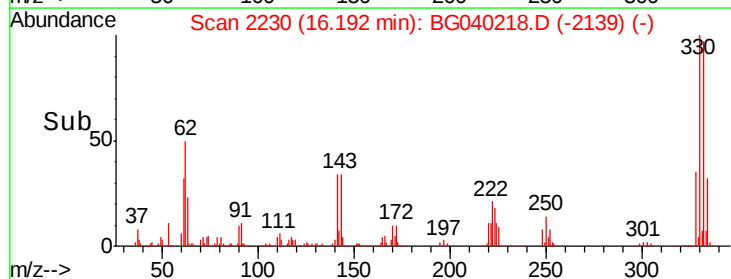
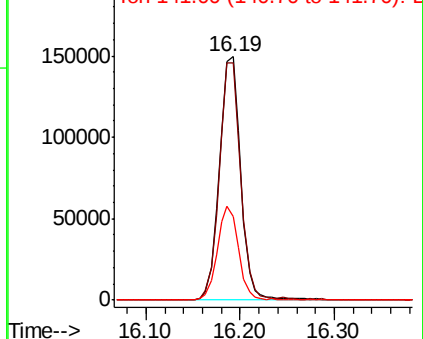
330 100

332 96.9 76.6 115.0

141 38.4 32.6 48.8



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: 95.362 ng

RT: 13.32 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

Instrument :

BNA_G

ClientSampleId :

S7A(4-20)COMP

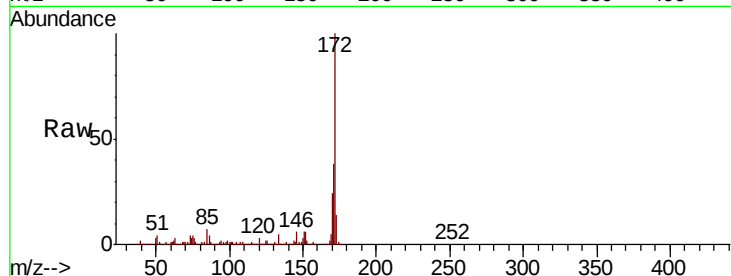
Tgt Ion:172 Resp: 910239

Ion Ratio Lower Upper

172 100

171 38.1 30.5 45.7

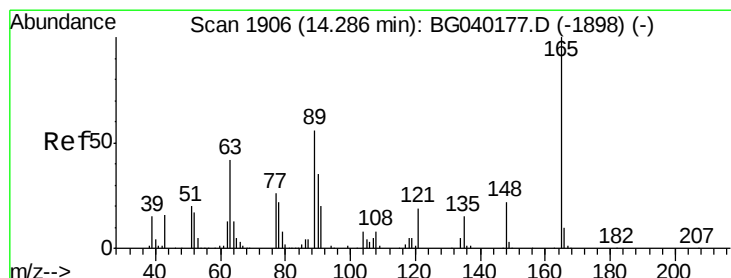
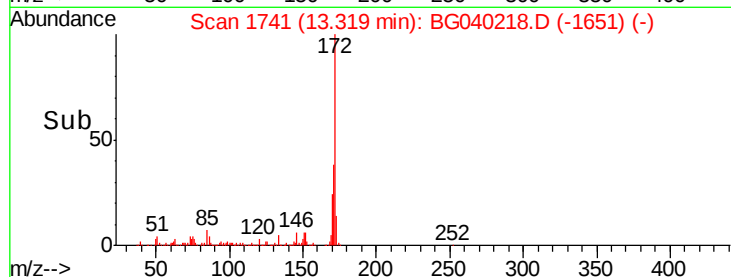
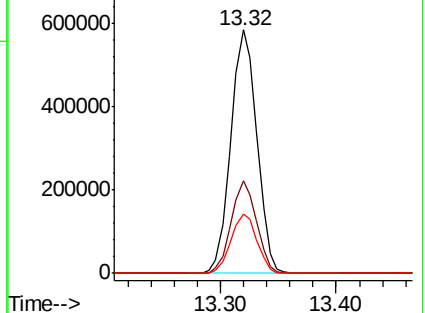
170 24.4 20.1 30.1



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: 7.496 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.41 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

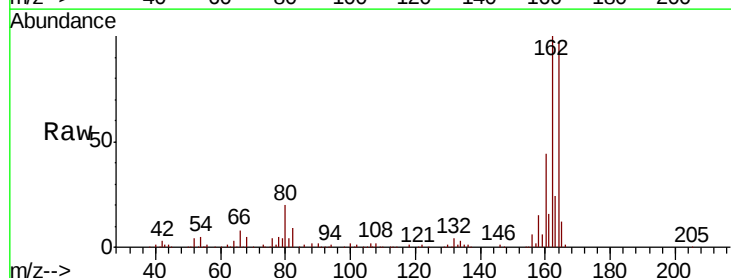
Tgt Ion:165 Resp: 18630

Ion Ratio Lower Upper

165 100

63 2.0 44.1 66.1#

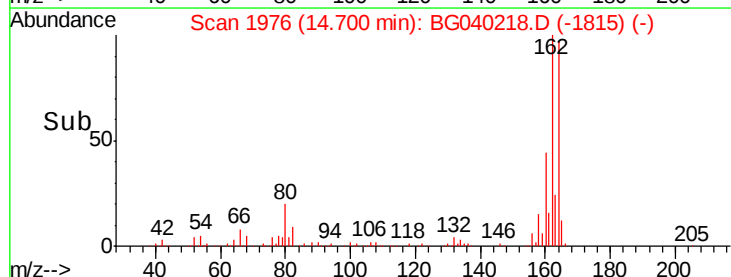
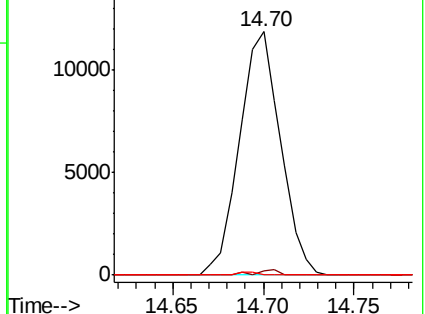
89 0.0 44.9 67.3#



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

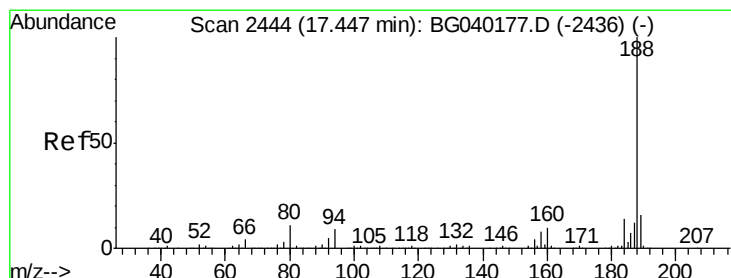
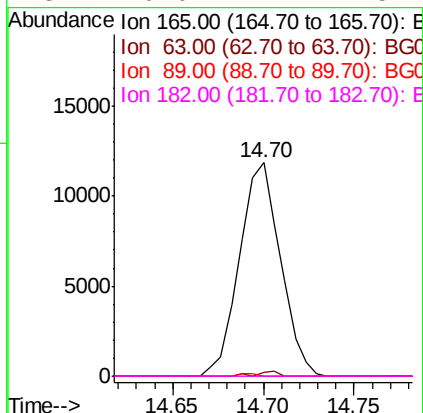
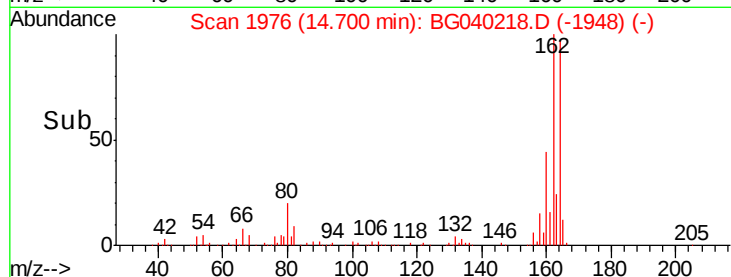
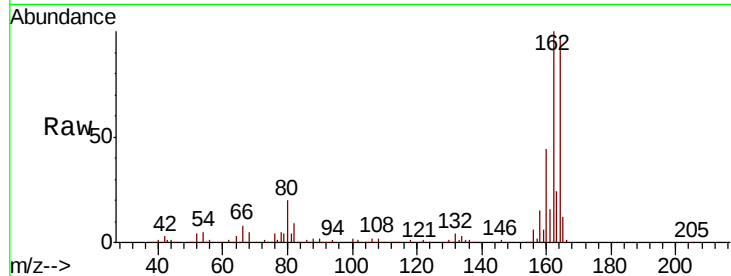




#57
 2,4-Dinitrotoluene
 Concen: 5.394 ng
 RT: 14.70 min Scan# 1976
 Delta R.T. -0.37 min
 Lab File: BG040218.D
 Acq: 29 Mar 2019 3:43

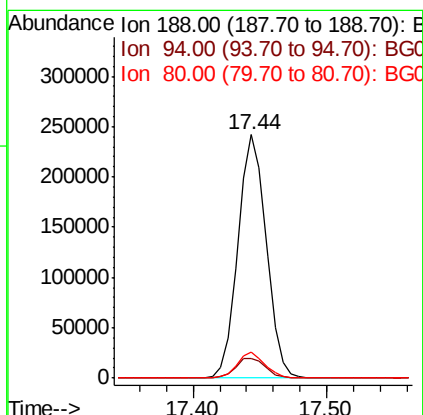
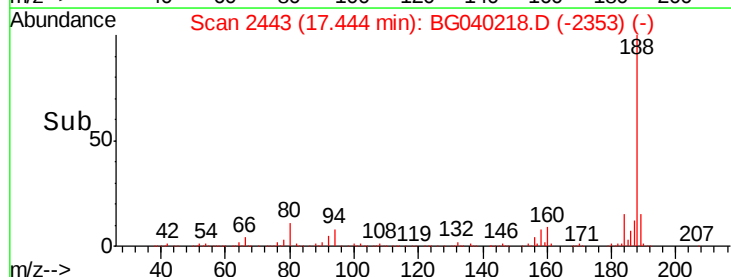
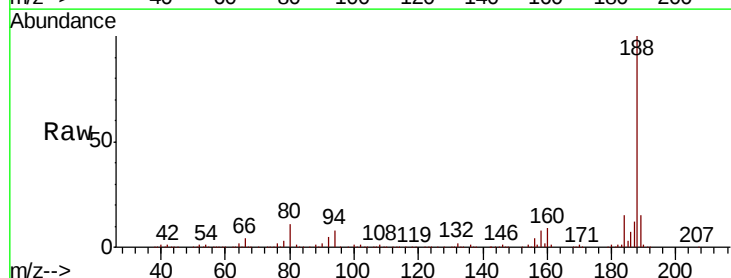
Instrument :
 BNA_G
 ClientSampleId :
 S7A(4-20)COMP

Tgt Ion:165 Resp: 18630
 Ion Ratio Lower Upper
 165 100
 63 2.0 33.8 50.6#
 89 0.0 55.4 83.2#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG040218.D
 Acq: 29 Mar 2019 3:43

Tgt Ion:188 Resp: 355380
 Ion Ratio Lower Upper
 188 100
 94 8.3 7.0 10.4
 80 10.6 8.6 13.0

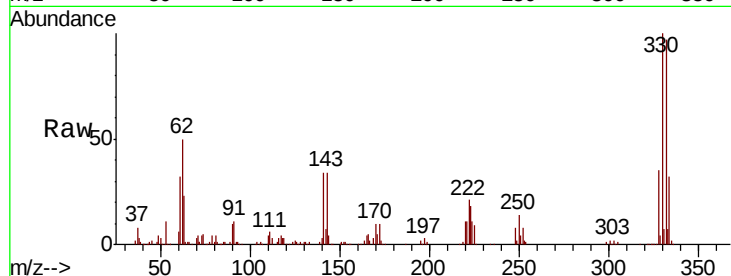




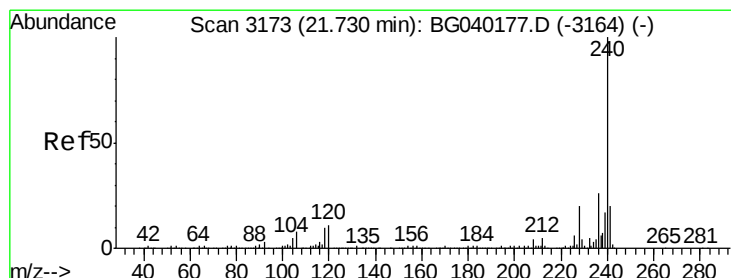
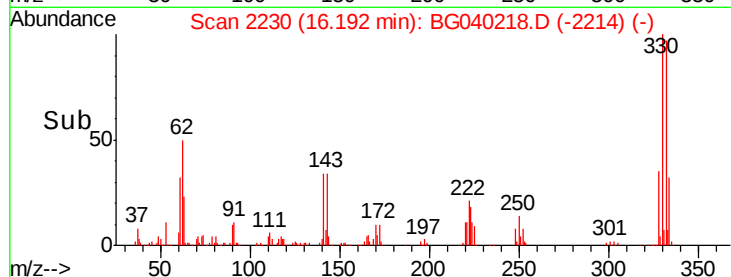
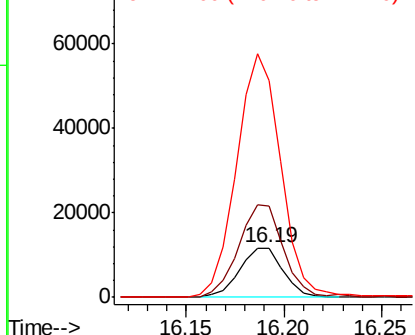
#67
4-Bromophenyl-phenylether
Concen: 4.497 ng
RT: 16.19 min Scan# 2230
Delta R.T. -0.44 min
Lab File: BG040218.D
Acq: 29 Mar 2019 3:43

Instrument :
BNA_G
ClientSampleId :
S7A(4-20)COMP

Tgt Ion:248 Resp: 17985
Ion Ratio Lower Upper
248 100
250 183.5 76.4 114.6#
141 437.8 53.8 80.8#

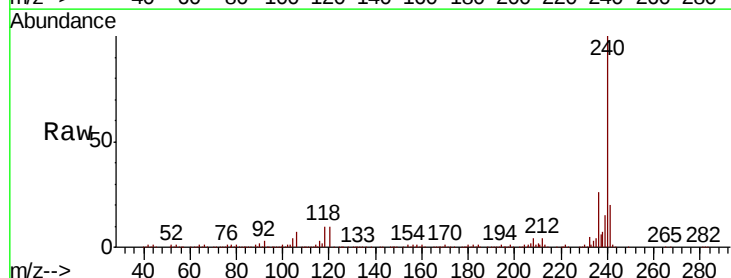


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

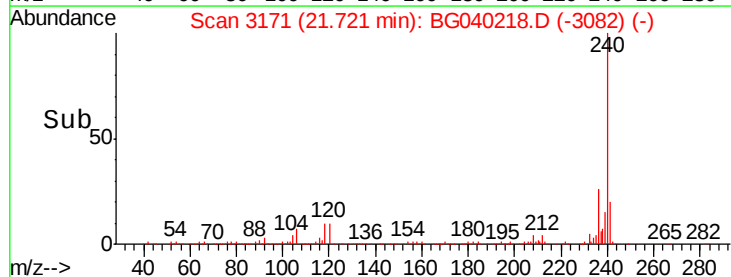
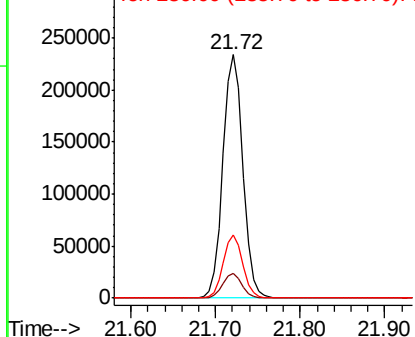


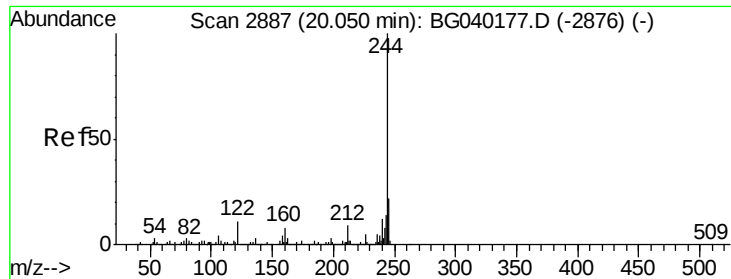
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.72 min Scan# 3171
Delta R.T. -0.01 min
Lab File: BG040218.D
Acq: 29 Mar 2019 3:43

Tgt Ion:240 Resp: 382572
Ion Ratio Lower Upper
240 100
120 10.0 8.4 12.6
236 25.9 20.8 31.2



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





#79

Terphenyl-d14

Concen: 89.605 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

Instrument :

BNA_G

ClientSampleId :

S7A(4-20)COMP

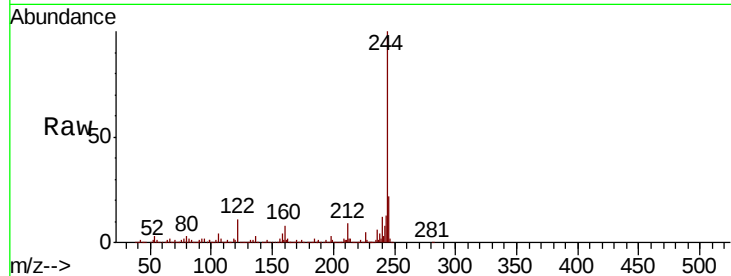
Tgt Ion:244 Resp: 1523811

Ion Ratio Lower Upper

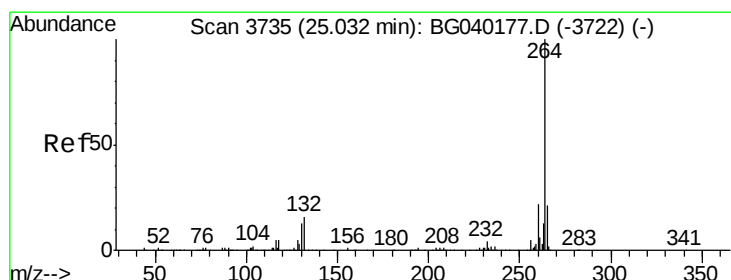
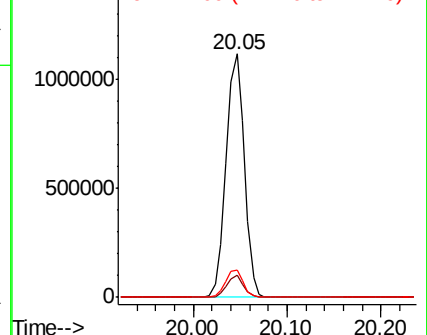
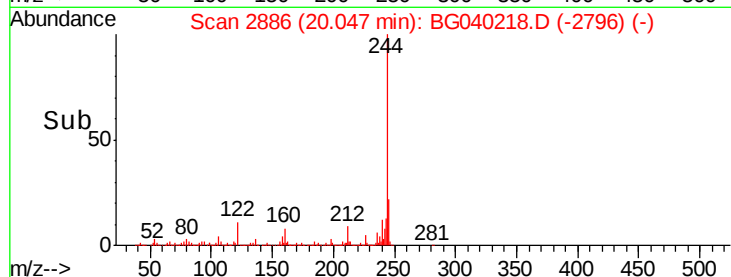
244 100

212 8.9 7.0 10.6

122 11.2 8.5 12.7



Abundance Ion 244.00 (243.70 to 244.70): E
1500000 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: 25.02 min Scan# 3732

Delta R.T. -0.02 min

Lab File: BG040218.D

Acq: 29 Mar 2019 3:43

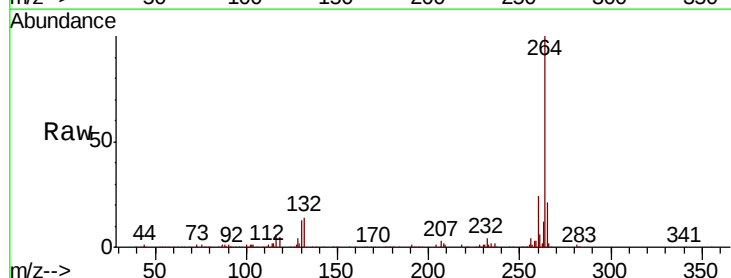
Tgt Ion:264 Resp: 370833

Ion Ratio Lower Upper

264 100

260 24.2 17.9 26.9

265 20.5 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

