

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061019\
 Data File : BG041161.D
 Acq On : 10 Jun 2019 12:18
 Operator : HP/JU
 Sample : K3233-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS043MW014-190605

Quant Time: Jun 11 03:47:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

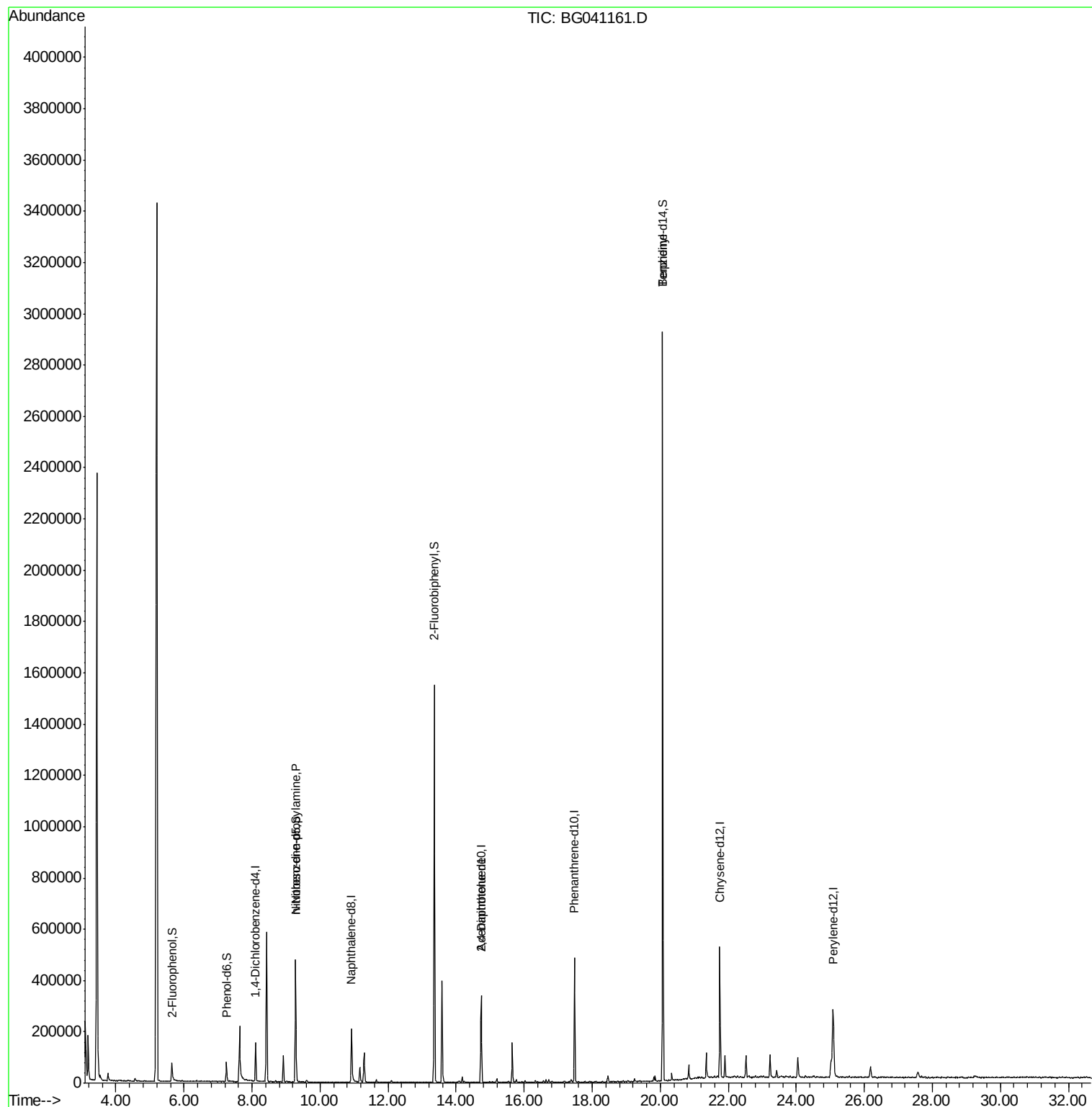
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	40330	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	163893	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	123787	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	314201	20.00	ng	0.00
76) Chrysene-d12	21.76	240	318973	20.00	ng	0.00
87) Perylene-d12	25.08	264	332245	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	41012	18.34	ng	0.01
7) Phenol-d6	7.25	99	42289	12.24	ng	0.00
23) Nitrobenzene-d5	9.28	82	296988	80.45	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	59	0.03	ng	0.01
45) 2-Fluorobiphenyl	13.36	172	783035	91.10	ng	0.00
79) Terphenyl-d14	20.07	244	1403506	93.38	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	42626	16.036	ng	# 74
57) 2,4-Dinitrotoluene	14.73	165	15986	5.009	ng	# 21
77) Benzidine	20.07	184	23794	3.127	ng	# 93

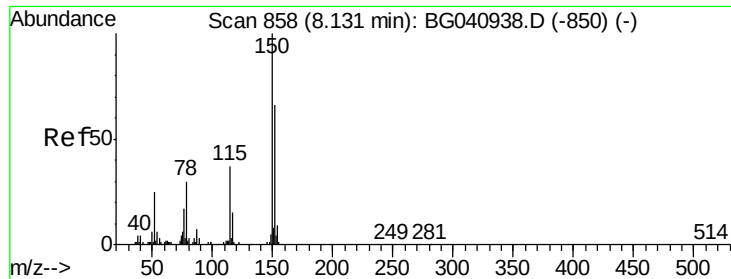
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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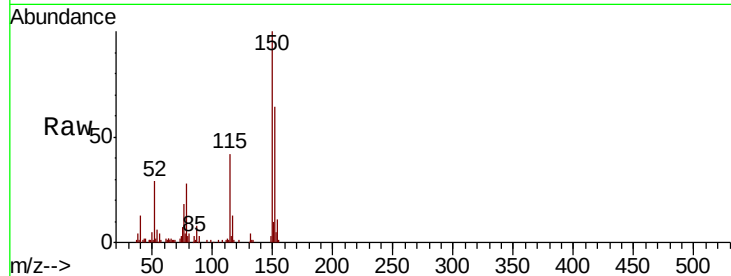


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 854
Delta R.T. -0.00 min
Lab File: BG041161.D
Acq: 10 Jun 2019 12:18

Instrument :
BNA_G
ClientSampleId :
SS043MW014-190605

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	120.6	180.8
115	64.7	45.1	67.7

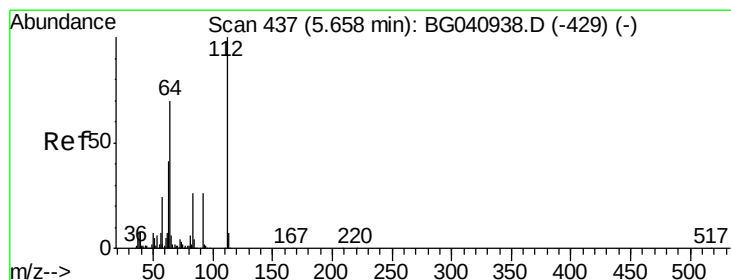
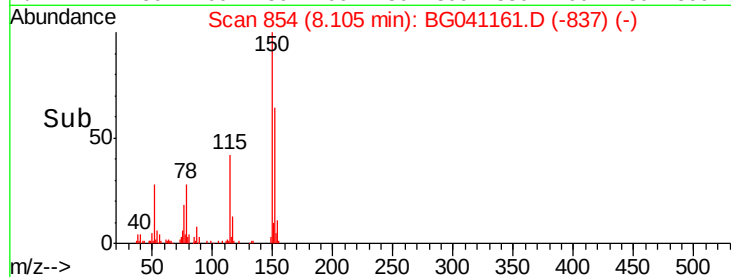
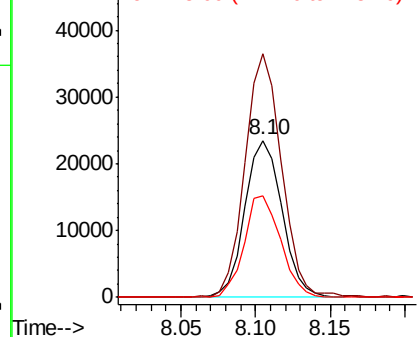


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

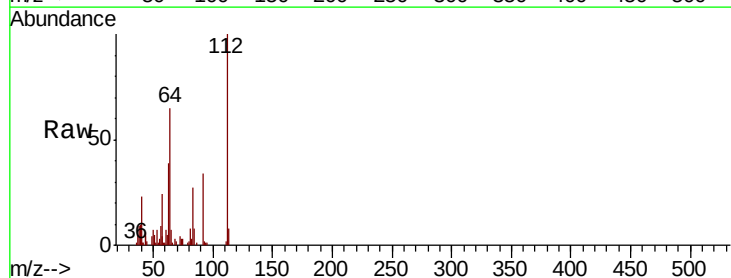
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.337 ng
RT: 5.65 min Scan# 436
Delta R.T. 0.01 min
Lab File: BG041161.D
Acq: 10 Jun 2019 12:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	56.2	84.2
63	39.2	32.8	49.2

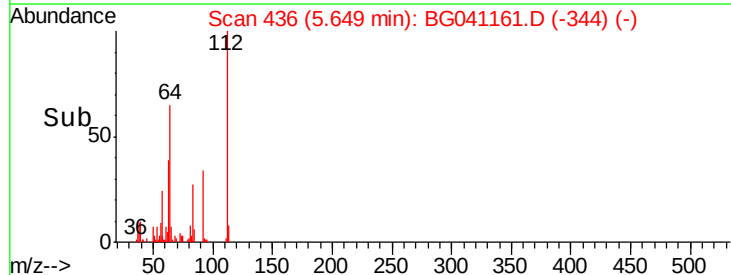
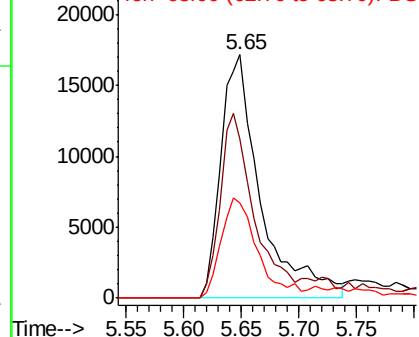


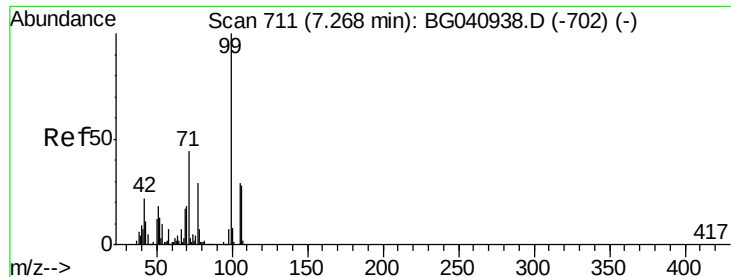
Abundance

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: 12.243 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605

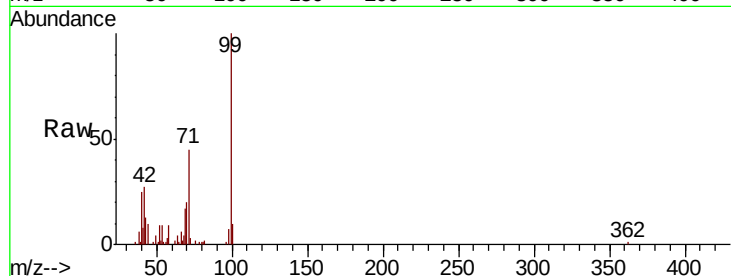
Tgt Ion: 99 Resp: 42289

Ion Ratio Lower Upper

99 100

42 26.6 17.9 26.9

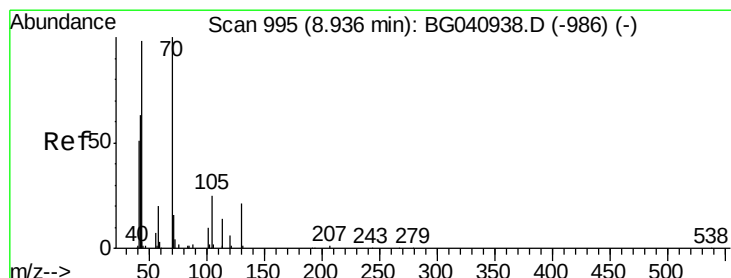
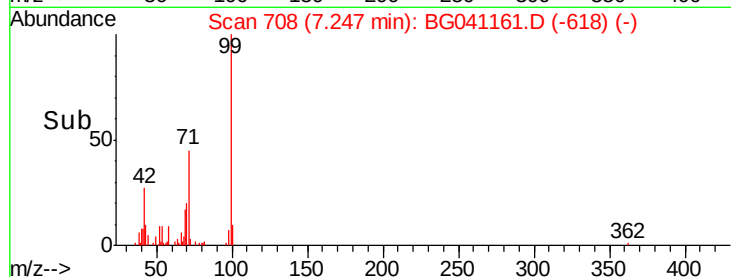
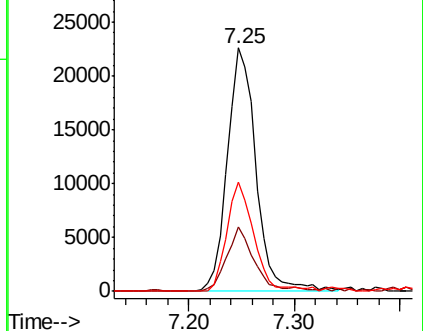
71 44.8 35.4 53.0



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: 16.036 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.38 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Tgt Ion: 70 Resp: 42626

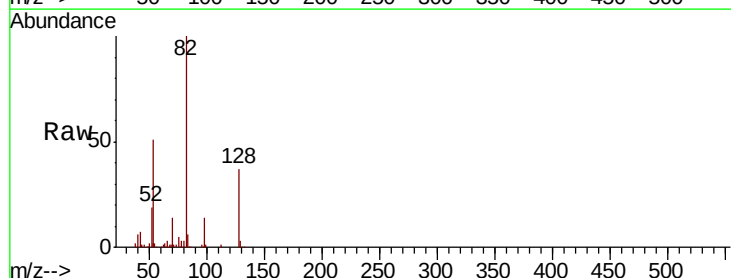
Ion Ratio Lower Upper

70 100

42 47.0 51.5 77.3#

101 0.0 8.1 12.1#

130 2.7 16.6 24.8#

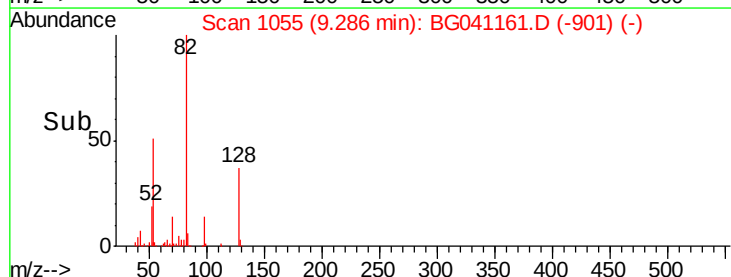
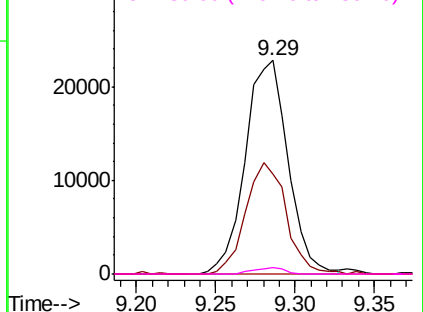


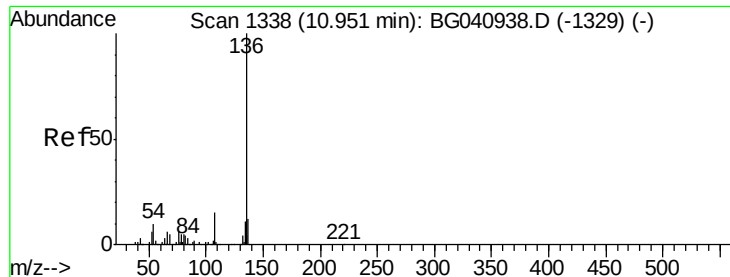
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

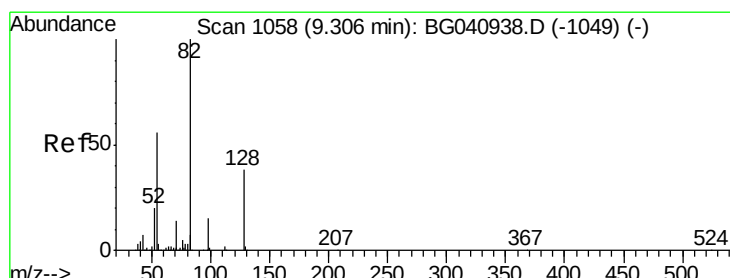
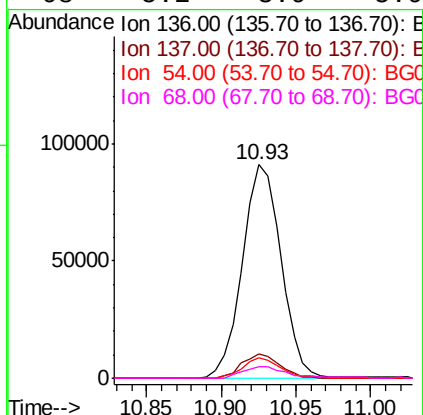
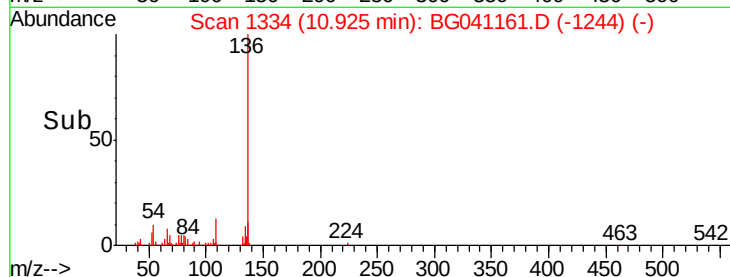
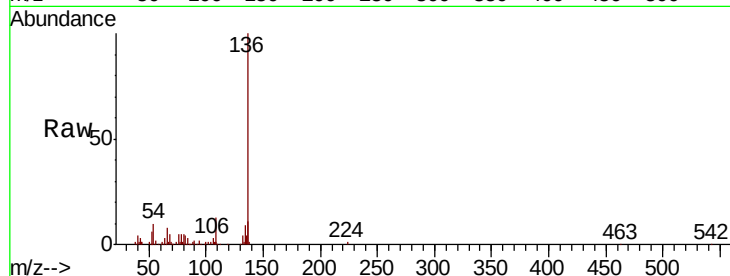




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BG041161.D
Acq: 10 Jun 2019 12:18

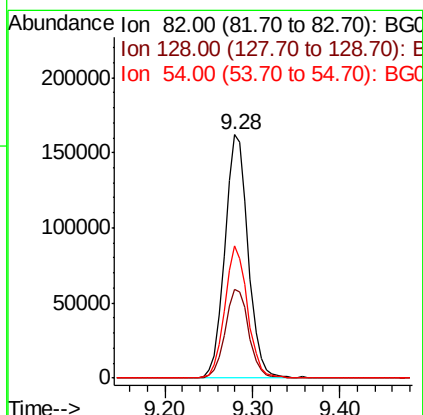
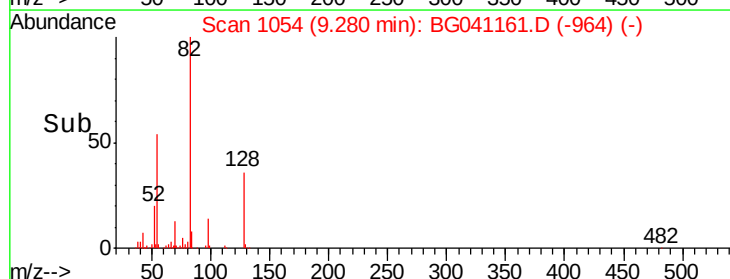
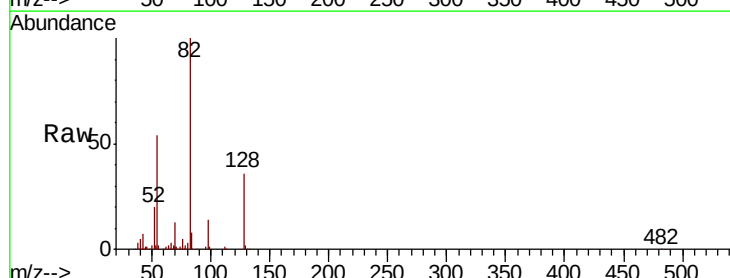
Instrument :
BNA_G
ClientSampleId :
SS043MW014-190605

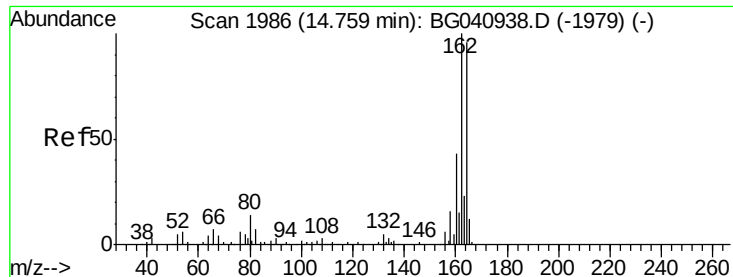
Tgt Ion:	136	Resp:	163893
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.5	14.3
54	9.5	7.6	11.4
68	5.2	3.9	5.9



#23
Nitrobenzene-d5
Concen: 80.445 ng
RT: 9.28 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BG041161.D
Acq: 10 Jun 2019 12:18

Tgt Ion:	82	Resp:	296988
Ion	Ratio	Lower	Upper
82	100		
128	36.3	30.5	45.7
54	54.4	44.6	66.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605

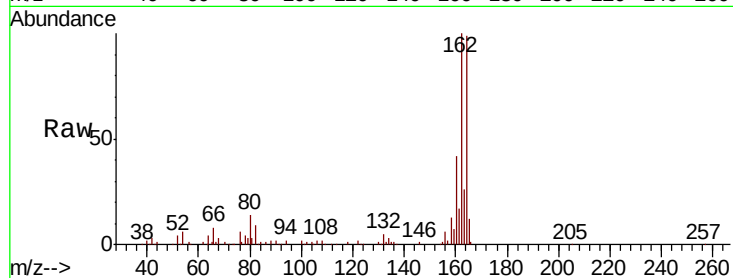
Tgt Ion:164 Resp: 123787

Ion Ratio Lower Upper

164 100

162 100.5 83.0 124.4

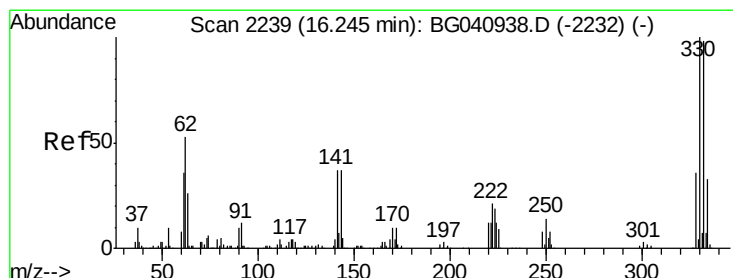
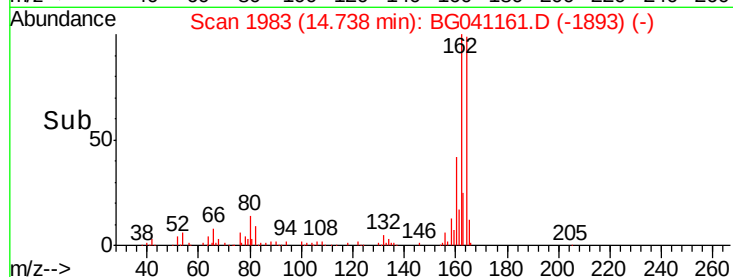
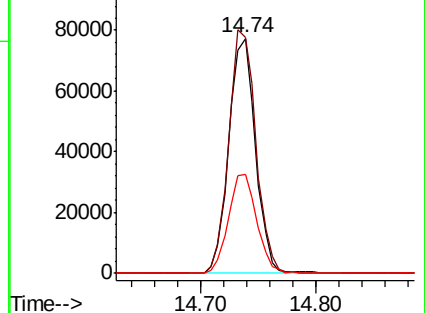
160 42.4 35.6 53.4



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: 0.032 ng

RT: 16.24 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

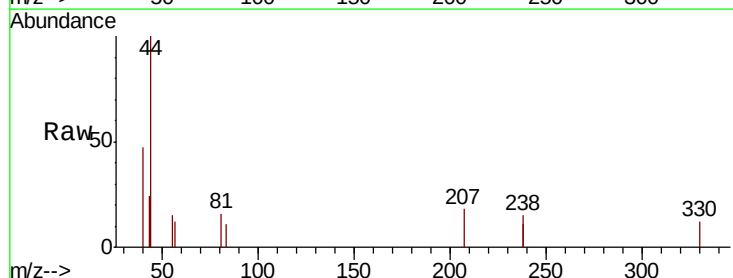
Tgt Ion:330 Resp: 59

Ion Ratio Lower Upper

330 100

332 0.0 78.5 117.7#

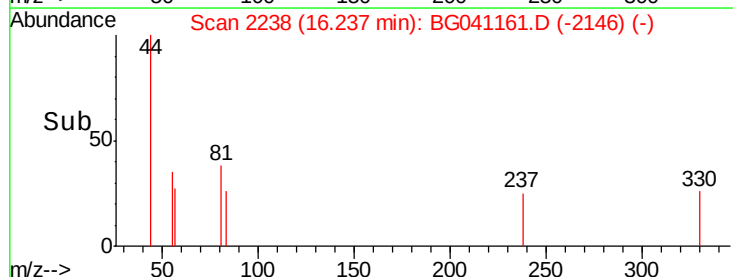
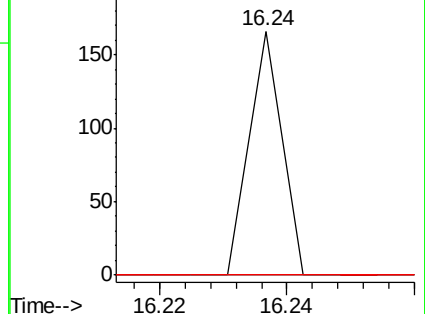
141 0.0 28.7 43.1#

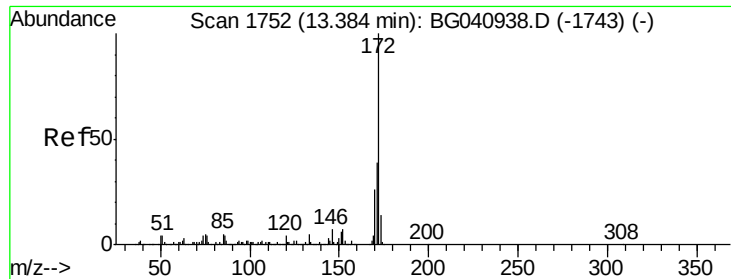


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 91.096 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605

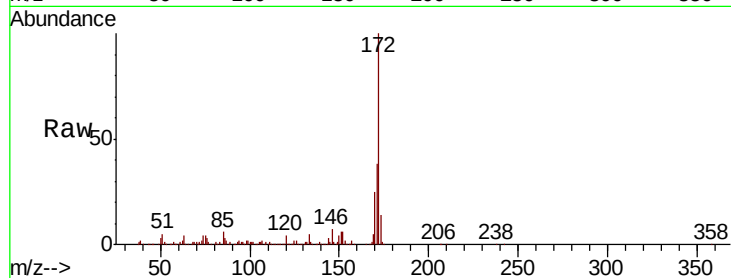
Tgt Ion:172 Resp: 783035

Ion Ratio Lower Upper

172 100

171 38.1 31.1 46.7

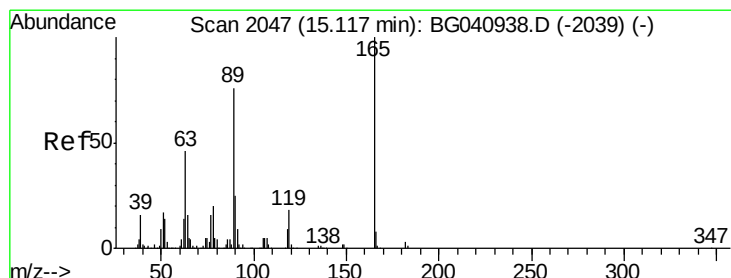
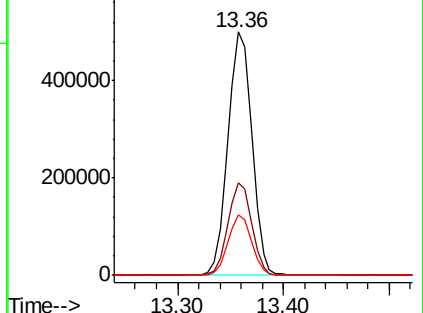
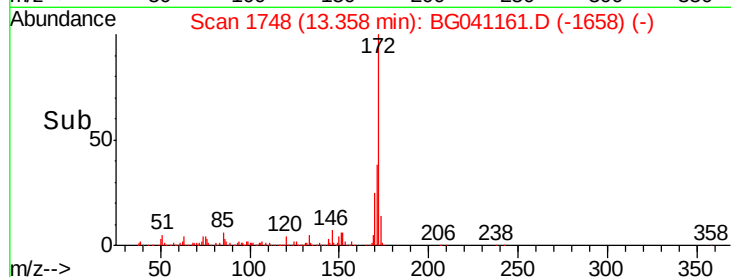
170 24.7 20.5 30.7



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



#57

2,4-Dinitrotoluene

Concen: 5.009 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Tgt Ion:165 Resp: 15986

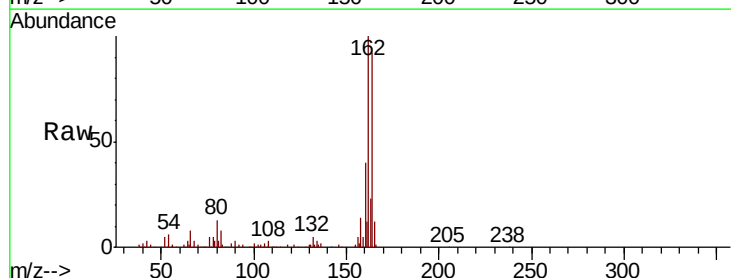
Ion Ratio Lower Upper

165 100

63 2.2 37.3 55.9#

89 0.0 61.0 91.6#

182 0.0 2.2 3.2#

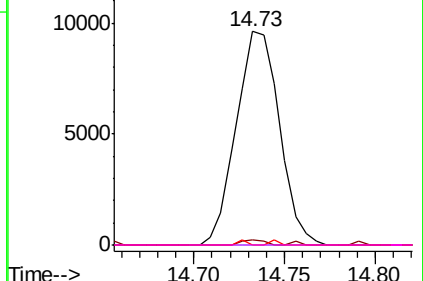
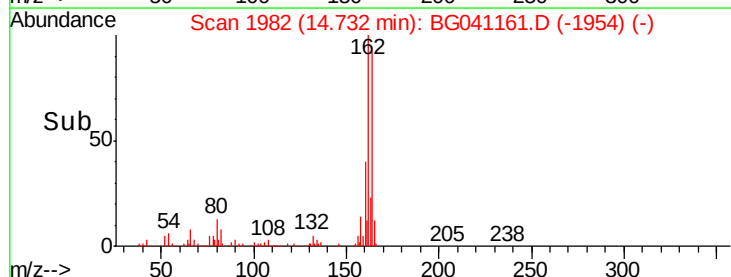


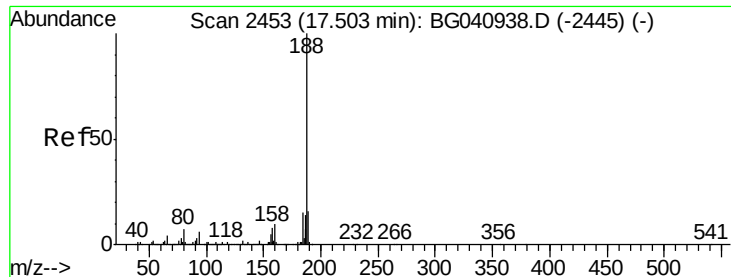
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Instrument :

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ClientSampleId :

SS043MW014-190605

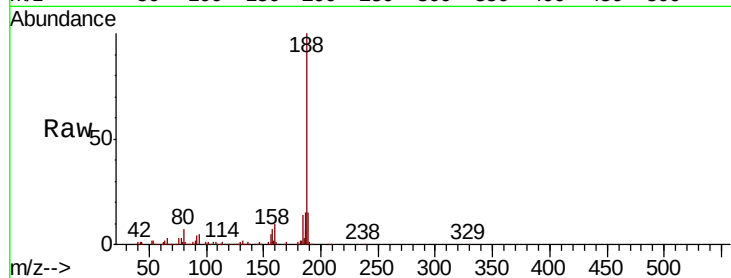
Tgt Ion:188 Resp: 314201

Ion Ratio Lower Upper

188 100

94 5.2 4.7 7.1

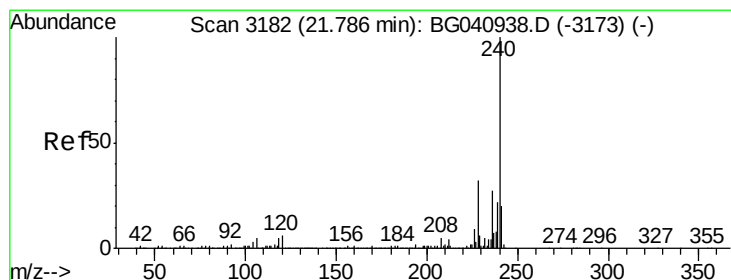
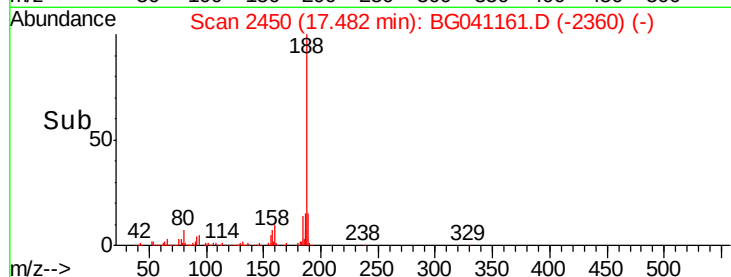
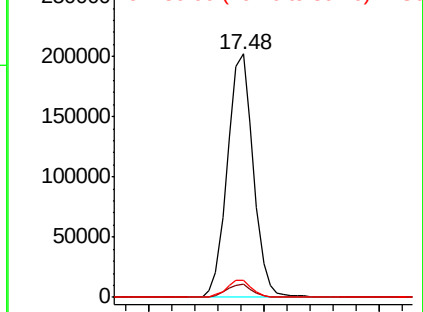
80 7.3 5.8 8.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

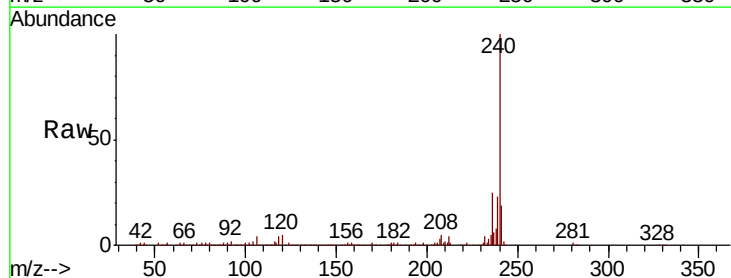
Tgt Ion:240 Resp: 318973

Ion Ratio Lower Upper

240 100

120 4.6 4.5 6.7

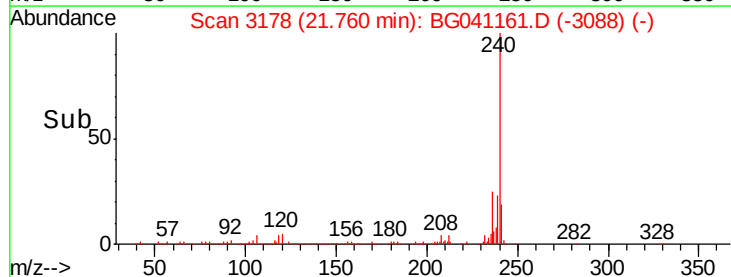
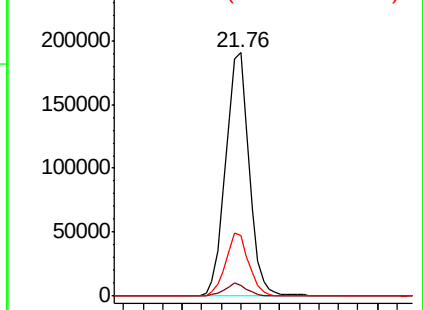
236 24.7 21.3 31.9

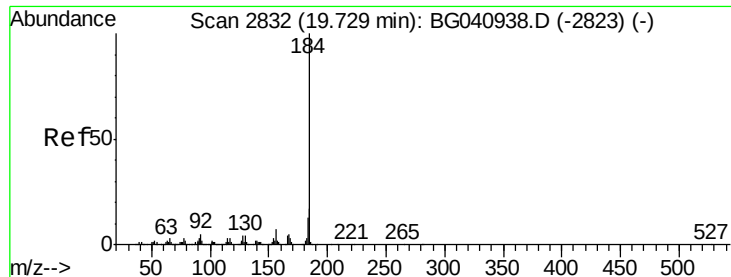


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.127 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.36 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

Instrument :

BNA_G

ClientSampleId :

SS043MW014-190605

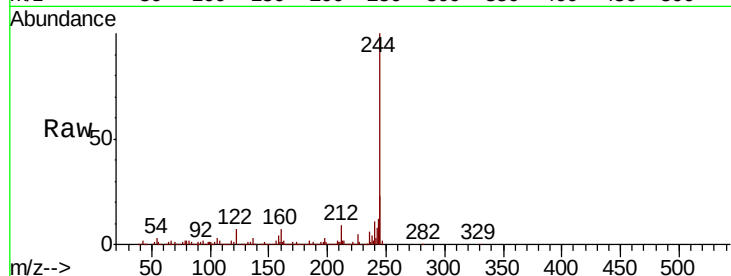
Tgt Ion:184 Resp: 23794

Ion Ratio Lower Upper

184 100

185 18.0 13.3 19.9

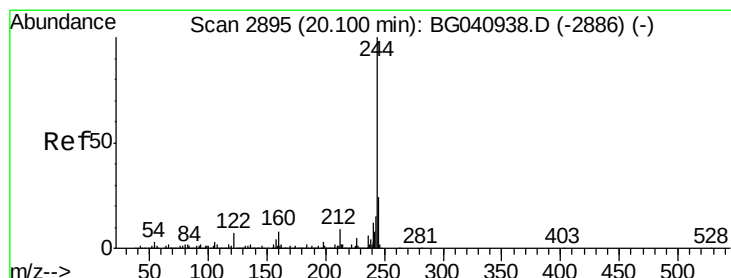
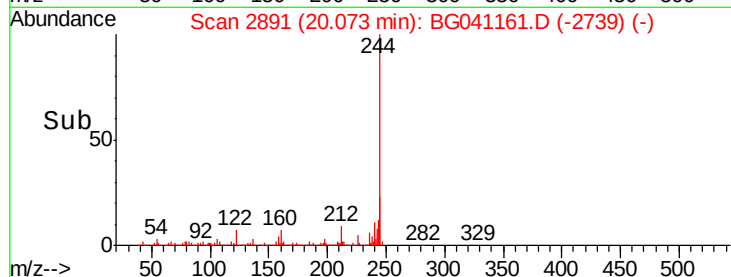
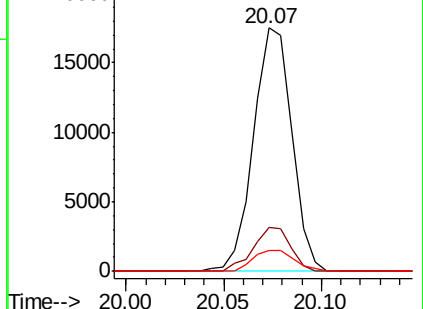
183 8.7 10.7 16.1#



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: 93.385 ng

RT: 20.07 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG041161.D

Acq: 10 Jun 2019 12:18

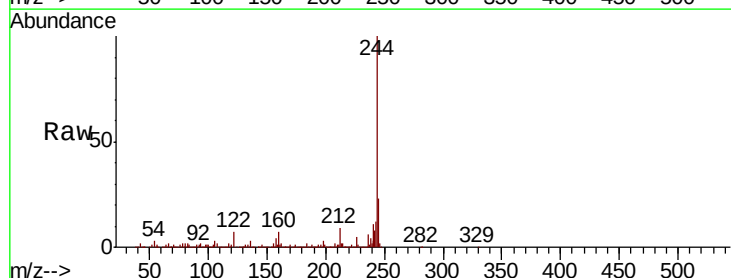
Tgt Ion:244 Resp: 1403506

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.4

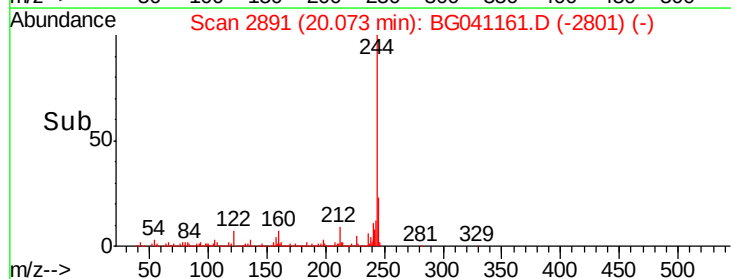
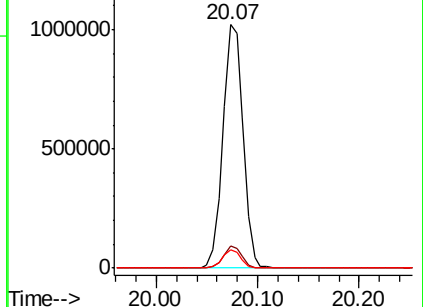
122 7.3 5.4 8.0

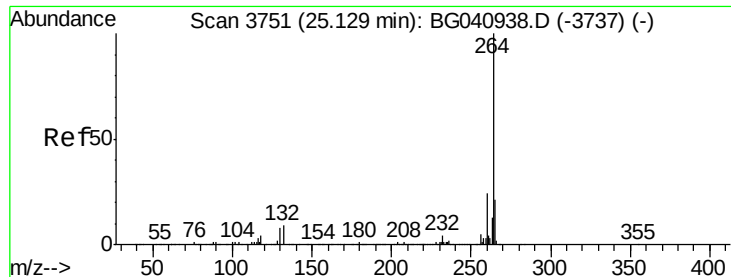


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

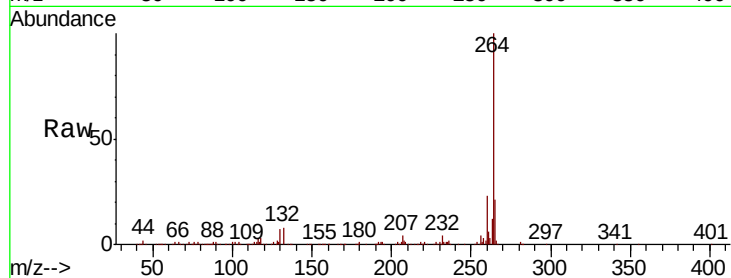




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. -0.01 min
Lab File: BG041161.D
Acq: 10 Jun 2019 12:18

Instrument :
BNA_G
ClientSampleId :
SS043MW014-190605

Tgt Ion:	264	Resp:	332245
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	21.3	17.0	25.4



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

