

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062119\
 Data File : BG041392.D
 Acq On : 22 Jun 2019 2:44
 Operator : HP/JU
 Sample : K3419-03RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-B

Quant Time: Jun 22 04:59:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

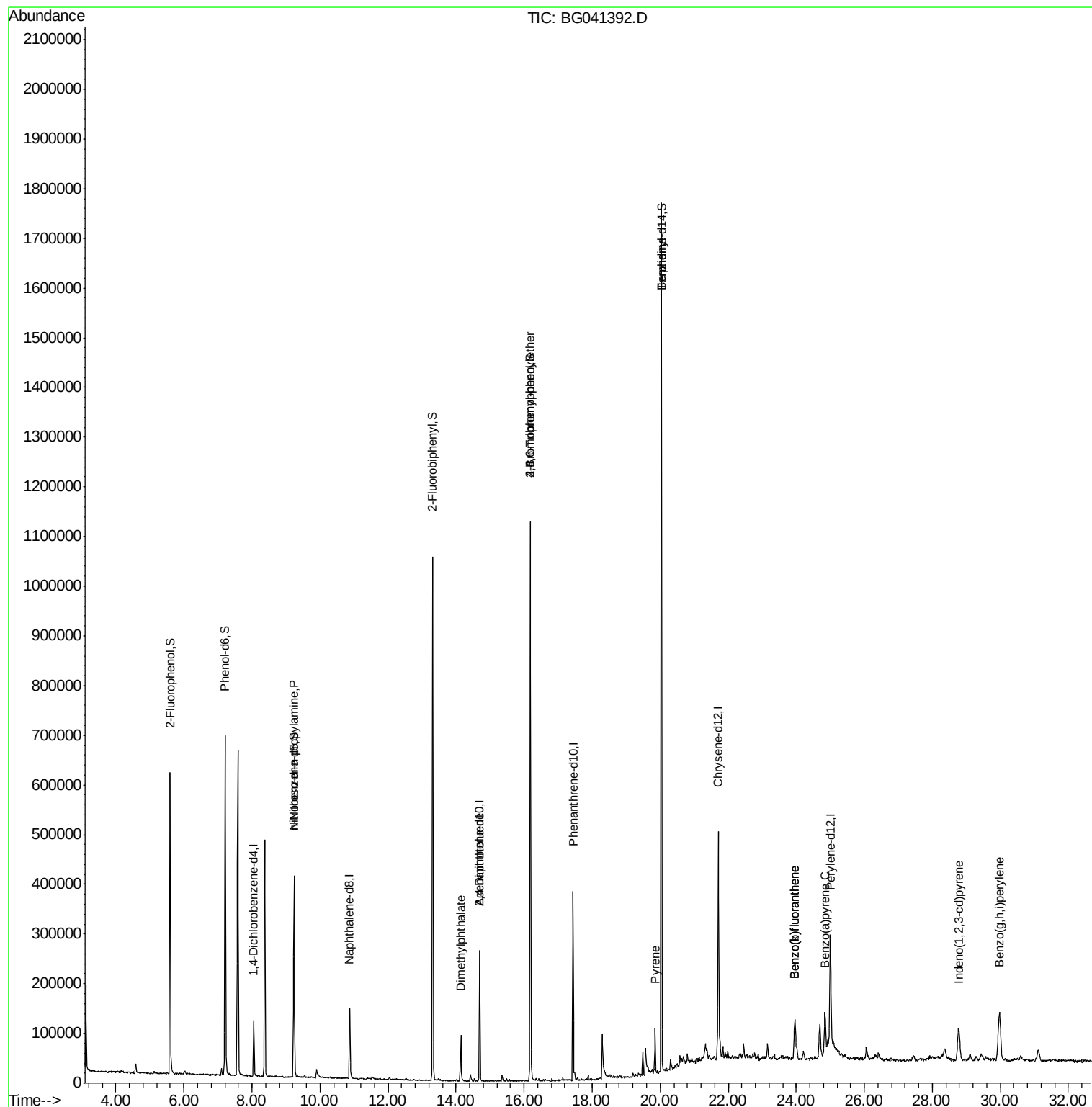
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	30676	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	116992	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	90388	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	240603	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	243367	20.00	ng	-0.03
87) Perylene-d12	25.00	264	257600	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	240711	144.18	ng	-0.03
7) Phenol-d6	7.21	99	349588	144.46	ng	-0.02
23) Nitrobenzene-d5	9.23	82	246503	88.61	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	207956	149.86	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	531764	79.96	ng	-0.03
79) Terphenyl-d14	20.04	244	841466	68.52	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	35152	17.960	ng	Qvalue
50) Dimethylphthalate	14.13	163	62992	7.833	ng	# 84
57) 2,4-Dinitrotoluene	14.69	165	11356	4.581	ng	# 19
67) 4-Bromophenyl-phenylether	16.18	248	15142	4.867	ng	# 1
77) Benzidine	20.04	184	14067	2.390	ng	# 93
78) Pyrene	19.85	202	58791	3.582	ng	98
86) Indeno(1,2,3-cd)pyrene	28.78	276	123600	6.574	ng	97
88) Benzo(b)fluoranthene	23.95	252	107925	6.760	ng	99
89) Benzo(k)fluoranthene	23.95	252	107925	6.824	ng	97
90) Benzo(a)pyrene	24.85	252	80953	5.369	ng	# 97
92) Benzo(g,h,i)perylene	29.97	276	213407	14.227	ng	99

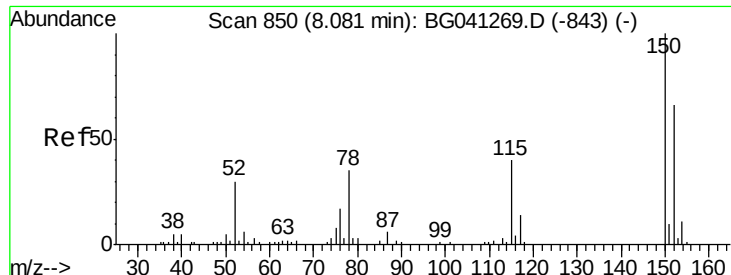
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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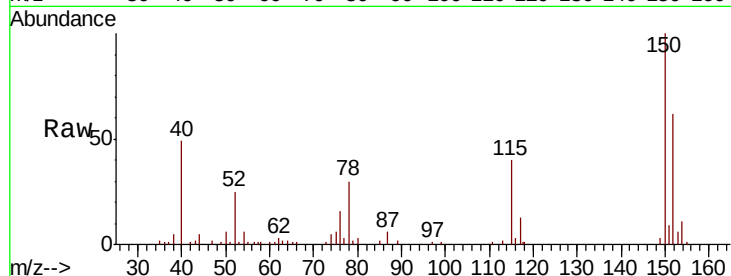


#1

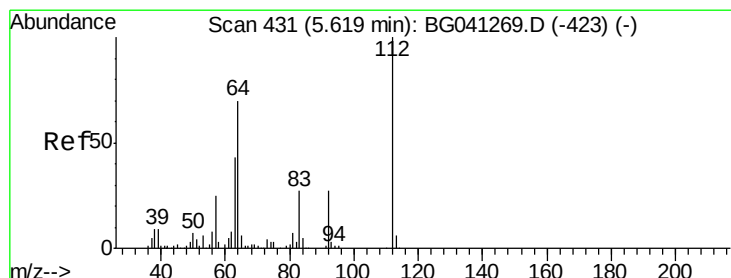
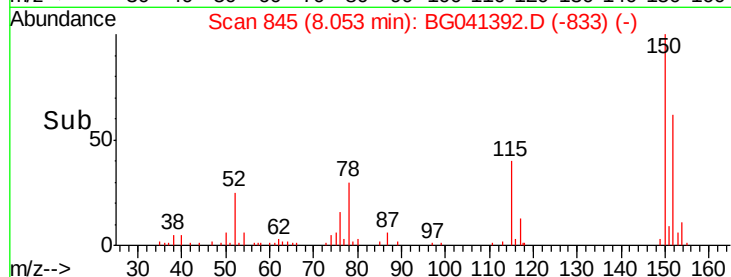
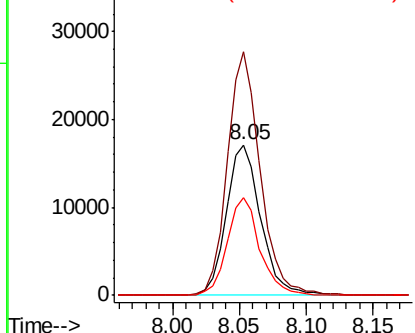
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Instrument :
BNA_G
ClientSampleId :
TP-B

Tgt Ion:152 Resp: 30676
Ion Ratio Lower Upper
152 100
150 161.8 120.6 181.0
115 65.0 47.9 71.9



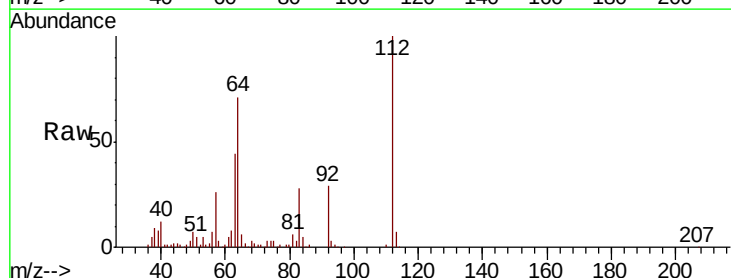
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



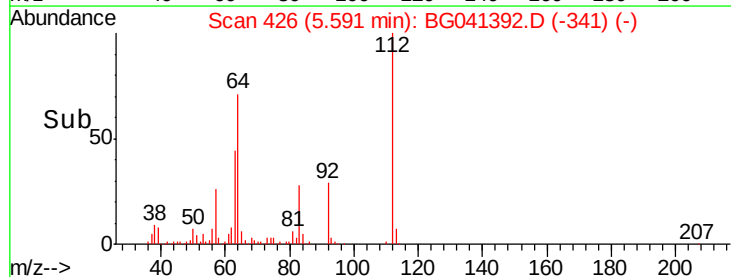
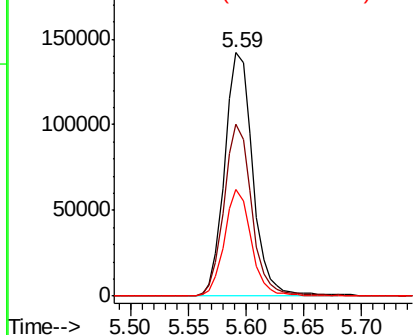
#5

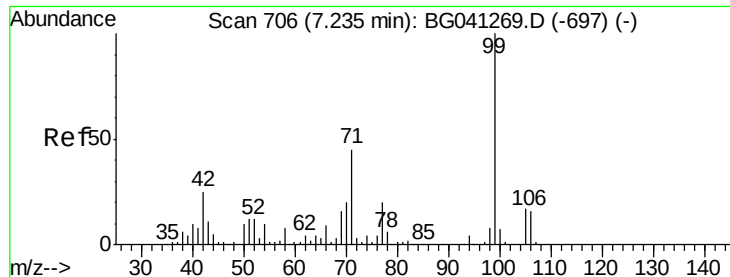
2-Fluorophenol
Concen: 144.180 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Tgt Ion:112 Resp: 240711
Ion Ratio Lower Upper
112 100
64 70.8 55.9 83.9
63 43.6 34.6 51.8



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: 144.459 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampled :

TP-B

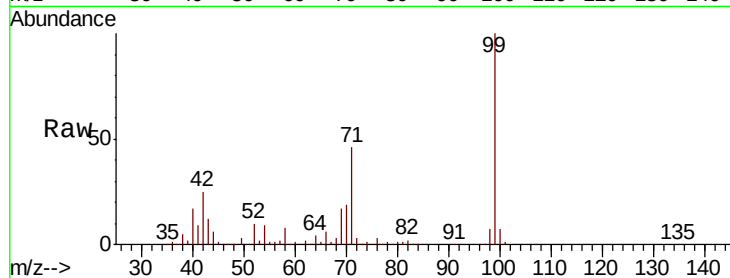
Tgt Ion: 99 Resp: 349588

Ion Ratio Lower Upper

99 100

42 24.6 19.9 29.9

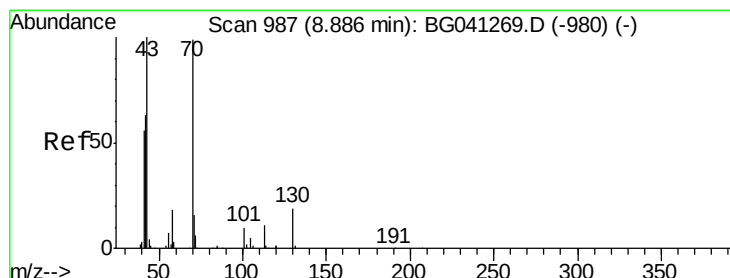
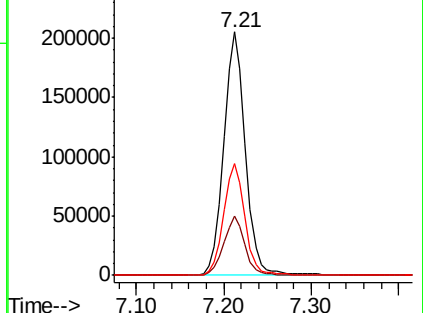
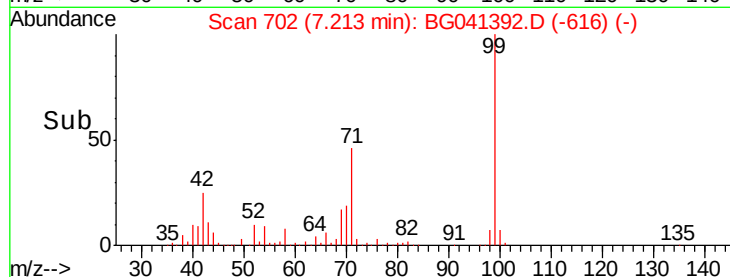
71 46.0 36.4 54.6



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: 17.960 ng

RT: 9.23 min Scan# 1046

Delta R.T. 0.35 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Tgt Ion: 70 Resp: 35152

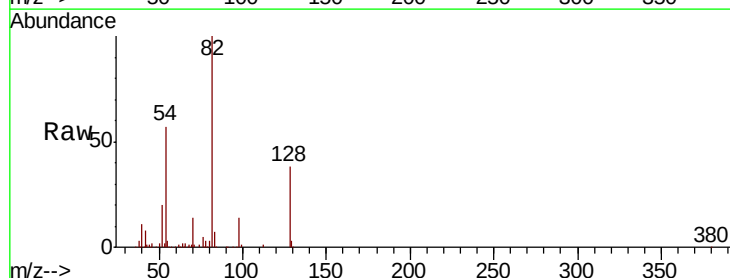
Ion Ratio Lower Upper

70 100

42 58.1 51.4 77.2

101 0.0 8.2 12.2#

130 1.9 15.2 22.8#

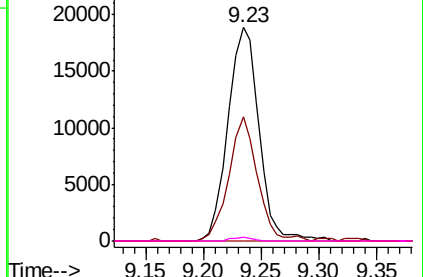
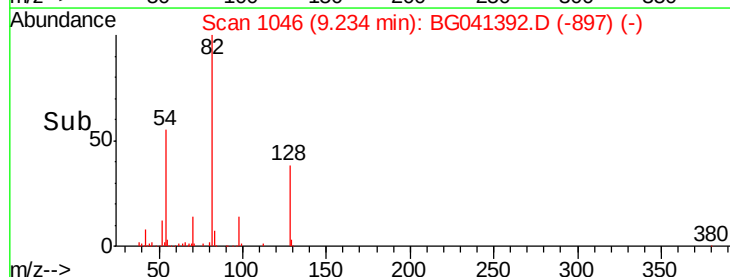


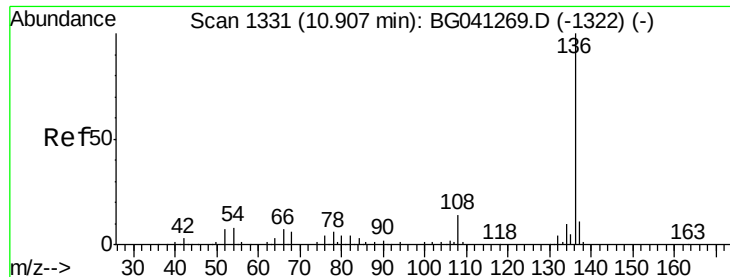
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

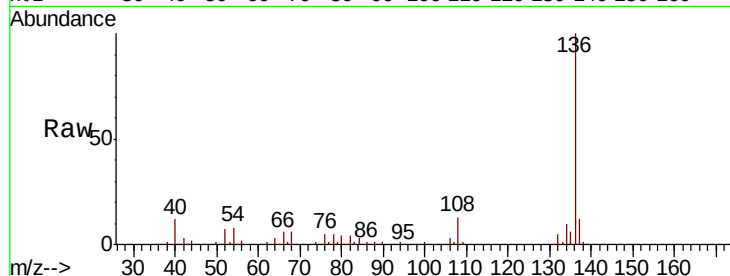




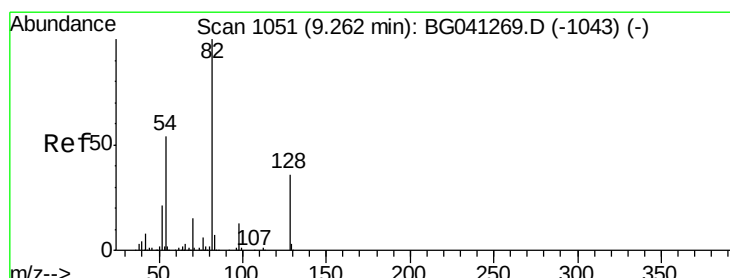
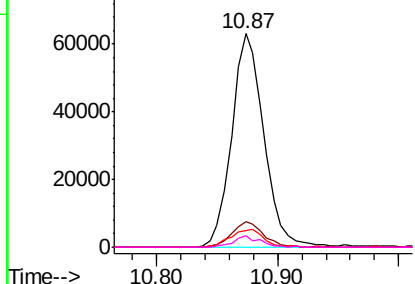
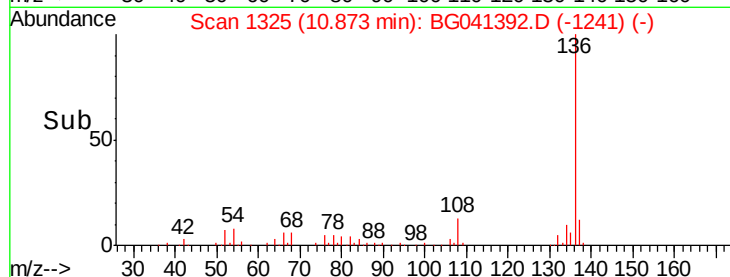
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Instrument :
BNA_G
ClientSampled :
TP-B

Tgt Ion:	136	Resp:	116992
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	7.9	6.4	9.6
68	5.5	4.8	7.2

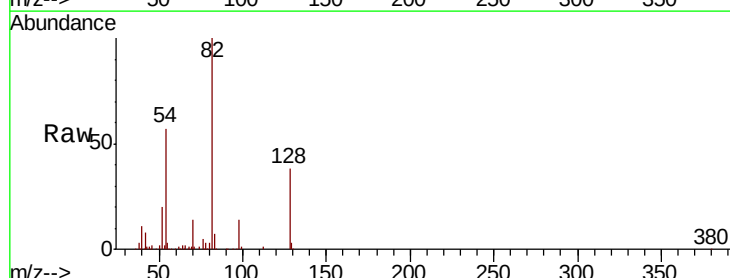


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

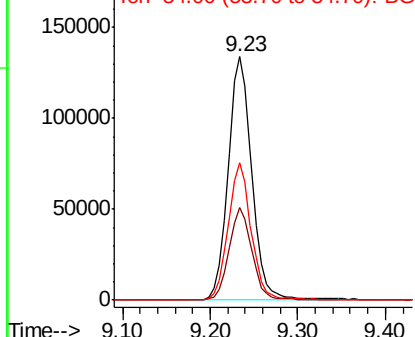
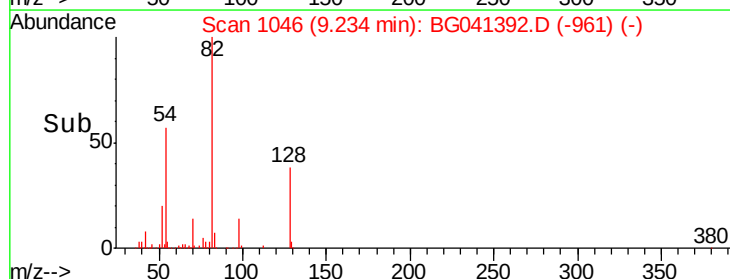


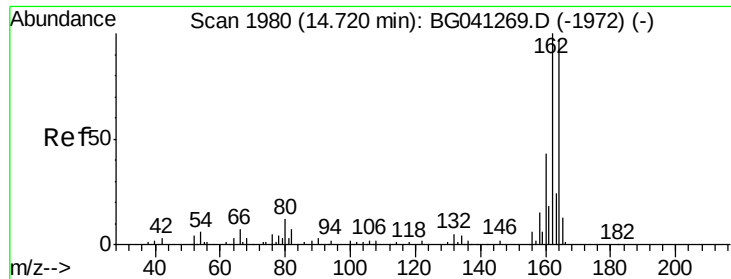
#23
Nitrobenzene-d5
Concen: 88.613 ng
RT: 9.23 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Tgt Ion:	82	Resp:	246503
Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.2	43.8
54	56.7	43.4	65.0



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: 14.69 min Scan# 1975

Delta R.T. -0.03 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampleId :

TP-B

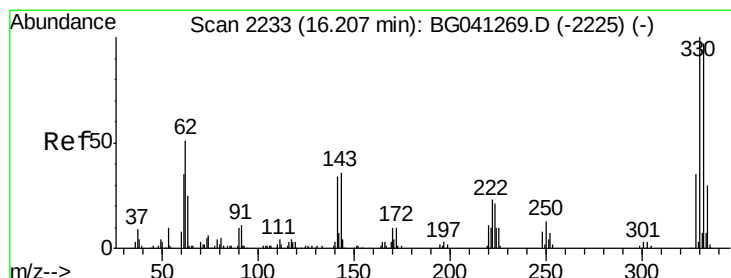
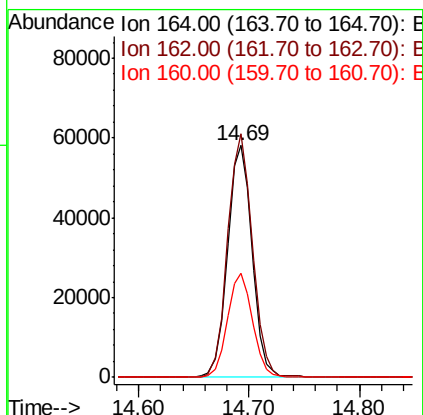
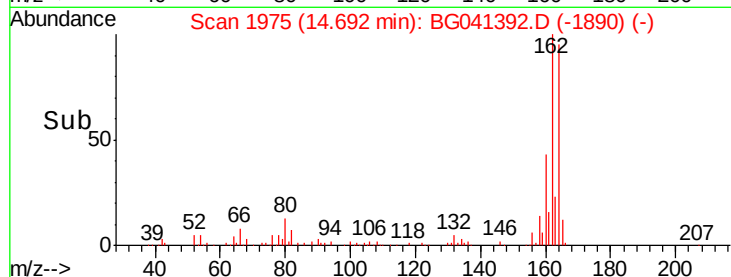
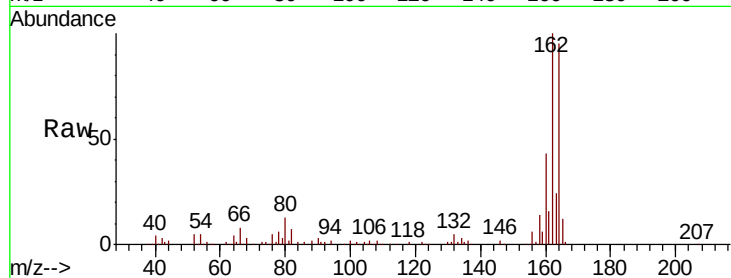
Tgt Ion:164 Resp: 90388

Ion Ratio Lower Upper

164 100

162 105.2 82.8 124.2

160 45.0 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 149.861 ng

RT: 16.18 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

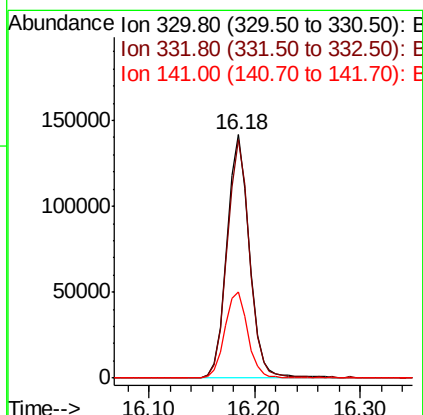
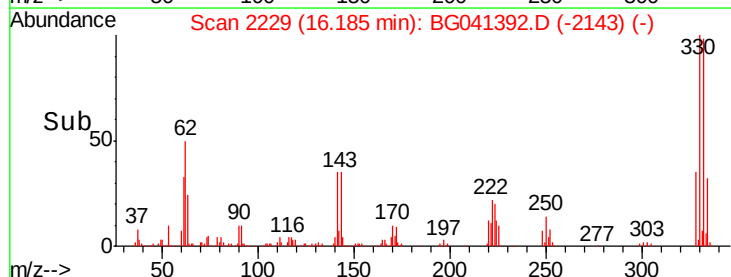
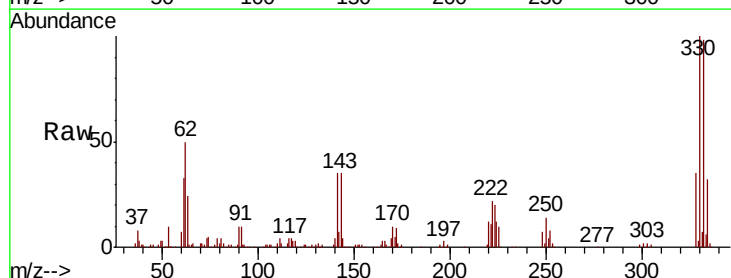
Tgt Ion:330 Resp: 207956

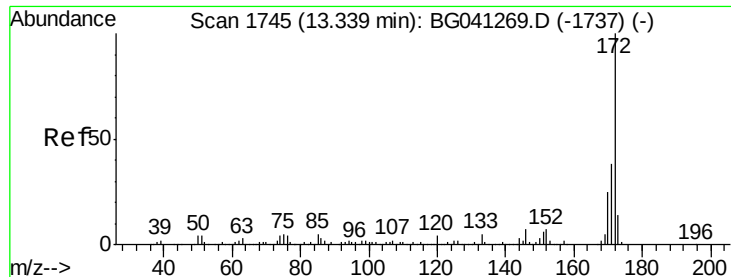
Ion Ratio Lower Upper

330 100

332 97.1 75.5 113.3

141 36.3 29.0 43.4

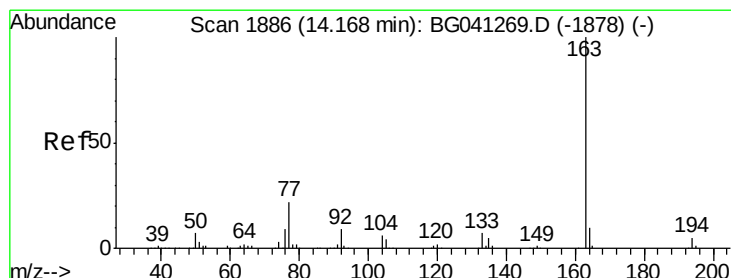
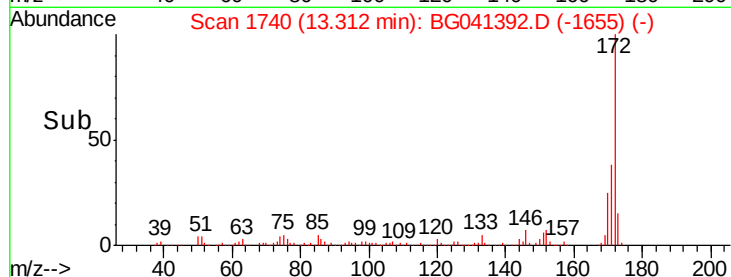
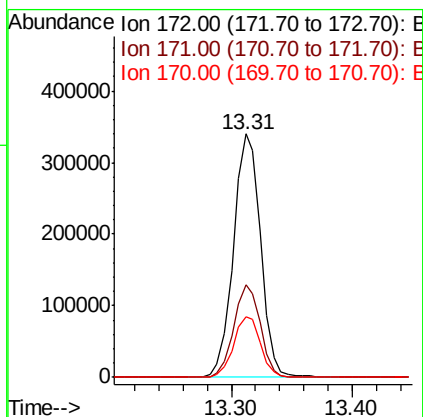
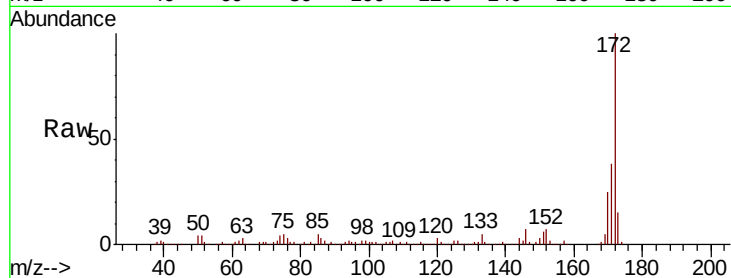




#45
2-Fluorobiphenyl
Concen: 79.961 ng
RT: 13.31 min Scan# 1740
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

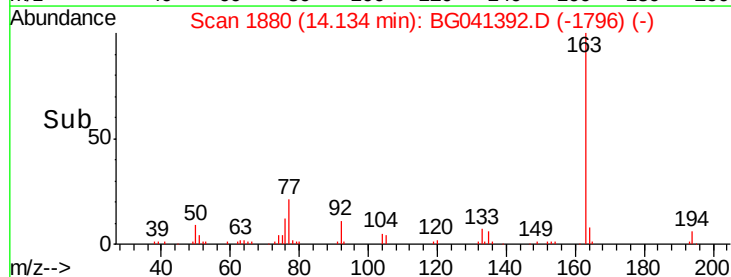
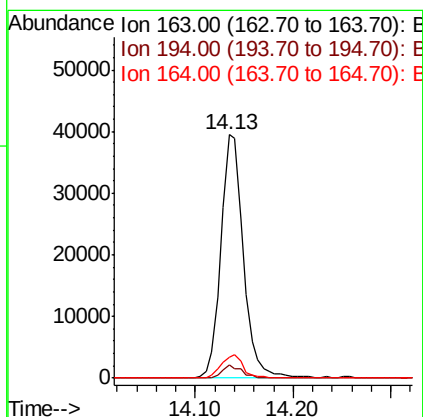
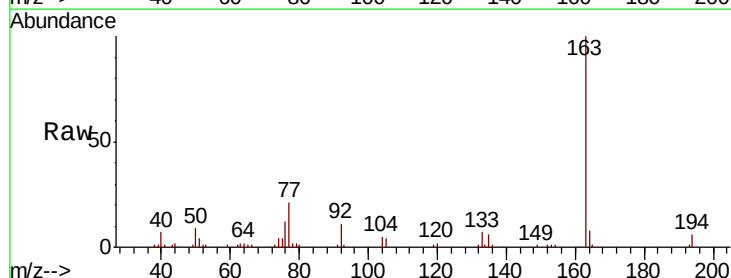
Instrument :
BNA_G
ClientSampleId :
TP-B

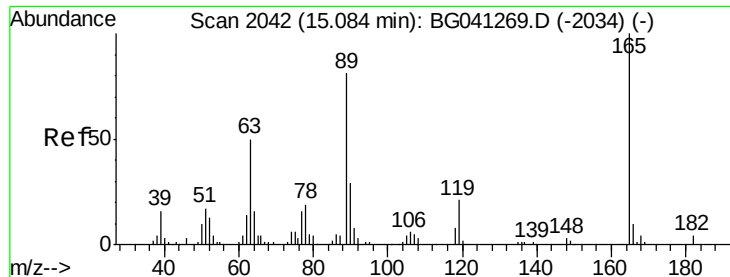
Tgt Ion:172 Resp: 531764
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 24.8 19.8 29.6



#50
Dimethylphthalate
Concen: 7.833 ng
RT: 14.13 min Scan# 1880
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Tgt Ion:163 Resp: 62992
Ion Ratio Lower Upper
163 100
194 5.6 3.9 5.9
164 8.3 8.3 12.5

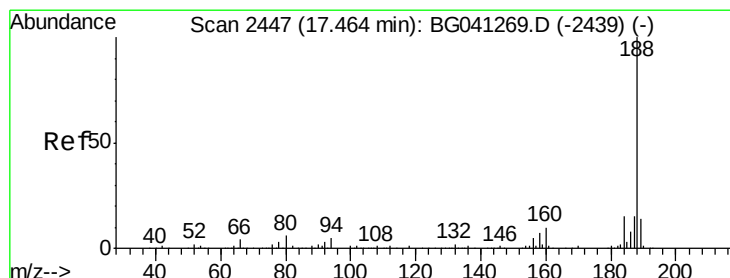
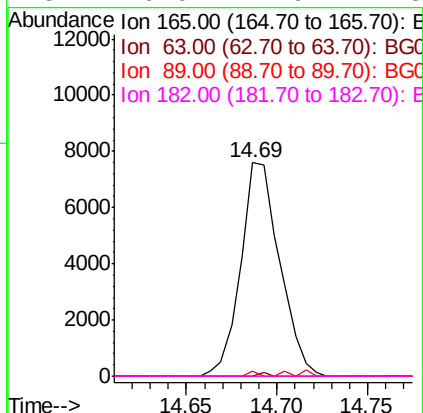
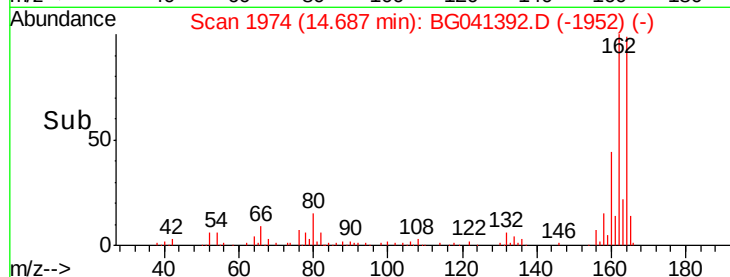
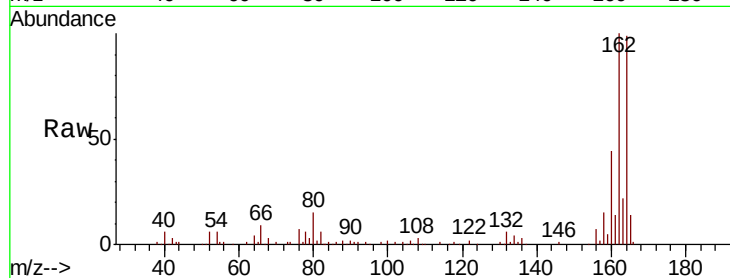




#57
2,4-Dinitrotoluene
Concen: 4.581 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.40 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

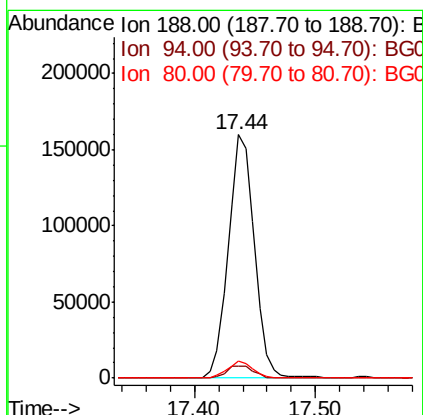
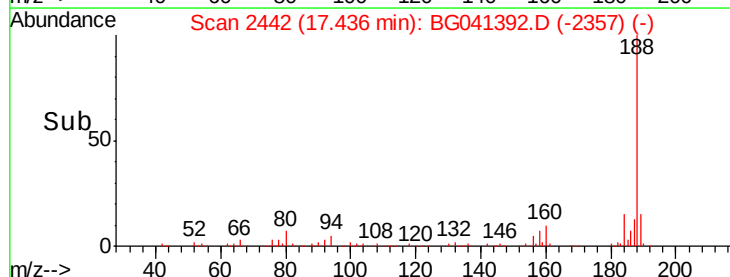
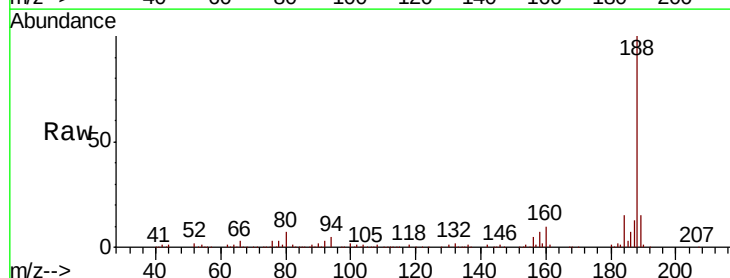
Instrument :
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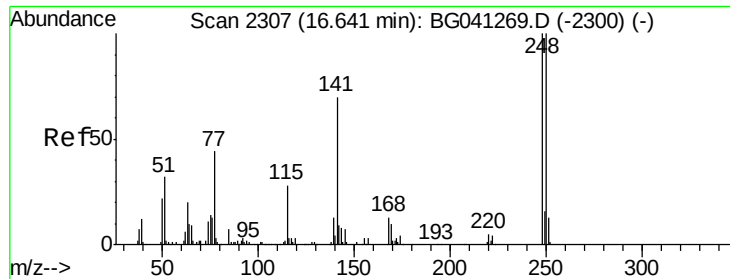
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.1	64.6	96.8#
182	0.0	2.9	4.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.03 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.6	5.4
80	7.1	4.8	7.2

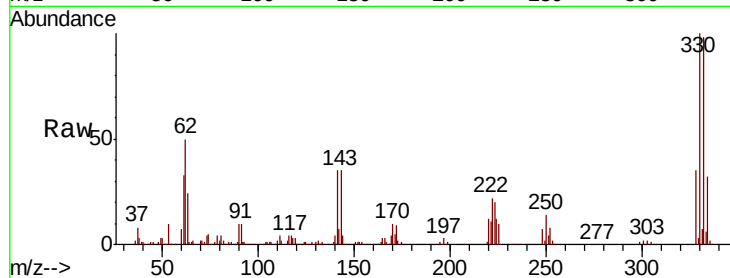




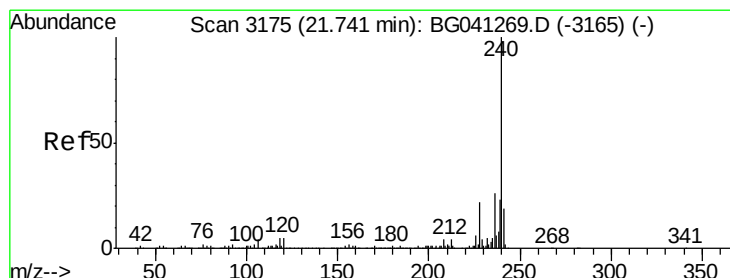
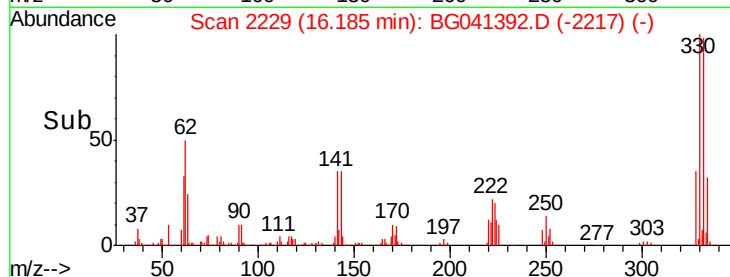
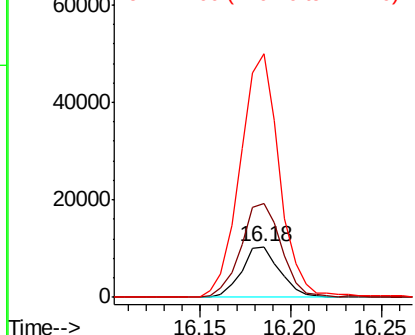
#67
 4-Bromophenyl-phenylether
 Concen: 4.867 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.46 min
 Lab File: BG041392.D
 Acq: 22 Jun 2019 2:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-B

Tgt Ion:248 Resp: 15142
 Ion Ratio Lower Upper
 248 100
 250 186.2 79.8 119.8#
 141 481.1 55.8 83.6#

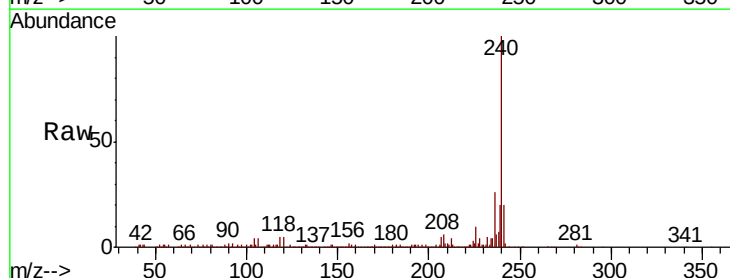


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

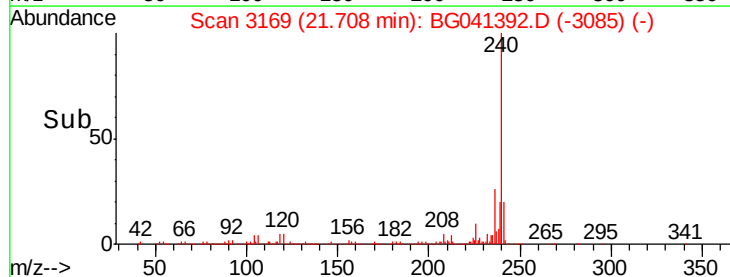
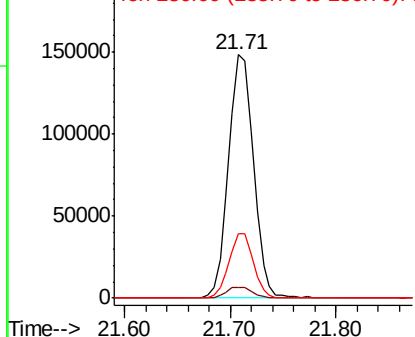


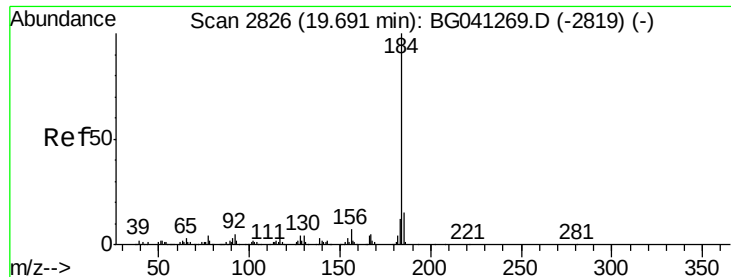
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3169
 Delta R.T. -0.03 min
 Lab File: BG041392.D
 Acq: 22 Jun 2019 2:44

Tgt Ion:240 Resp: 243367
 Ion Ratio Lower Upper
 240 100
 120 4.5 3.7 5.5
 236 26.3 21.1 31.7



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: 2.390 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.35 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampled :

TP-B

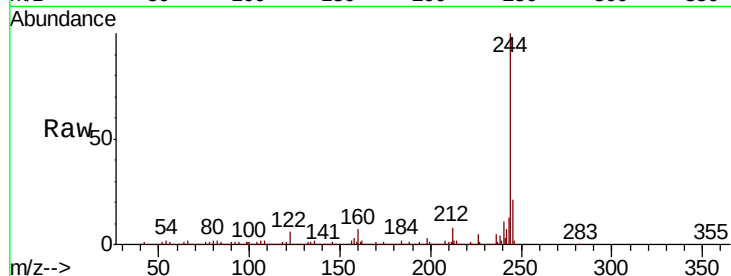
Tgt Ion:184 Resp: 14067

Ion Ratio Lower Upper

184 100

185 18.7 12.2 18.2#

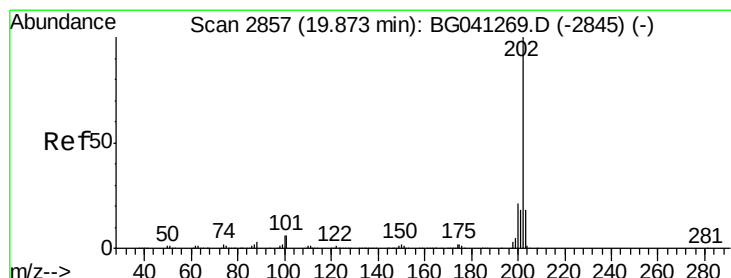
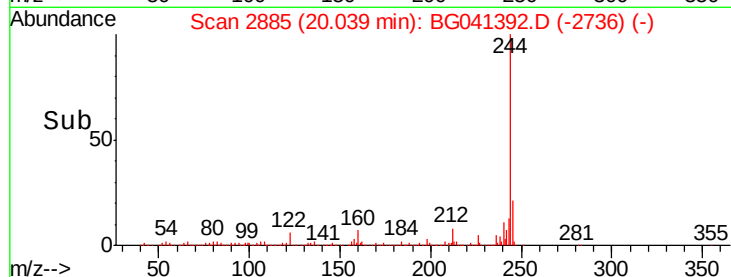
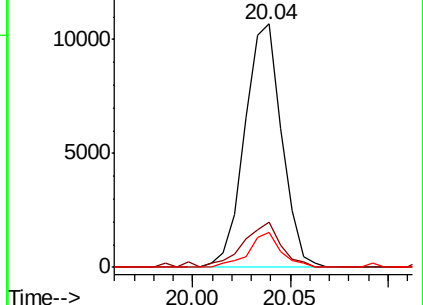
183 14.4 9.6 14.4



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



#78

Pyrene

Concen: 3.582 ng

RT: 19.85 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

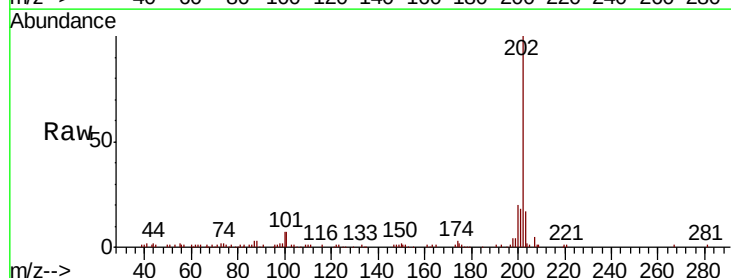
Tgt Ion:202 Resp: 58791

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

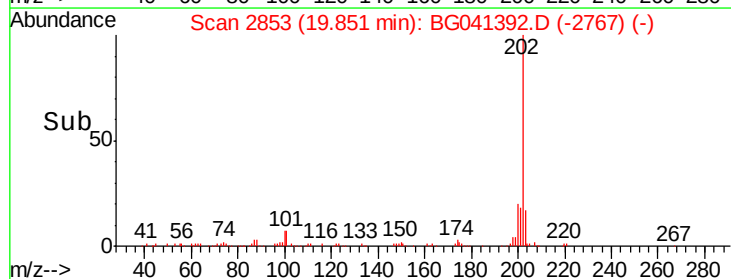
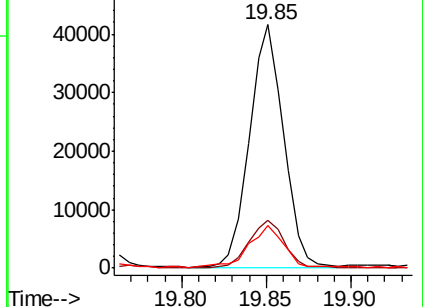
203 17.4 14.6 21.8

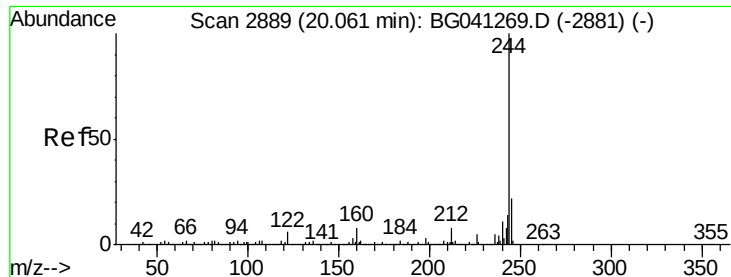


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.523 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.02 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampleId :

TP-B

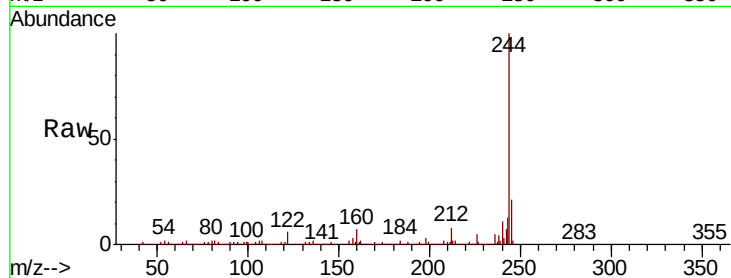
Tgt Ion:244 Resp: 841466

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

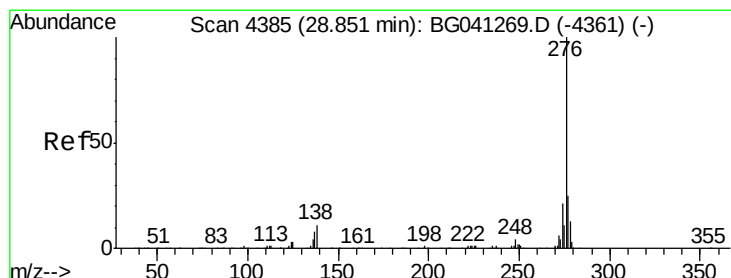
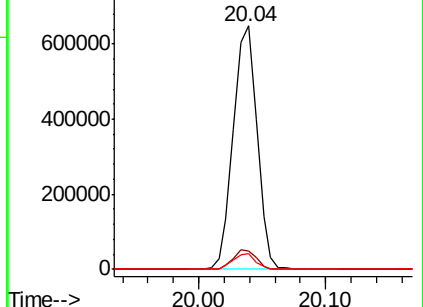
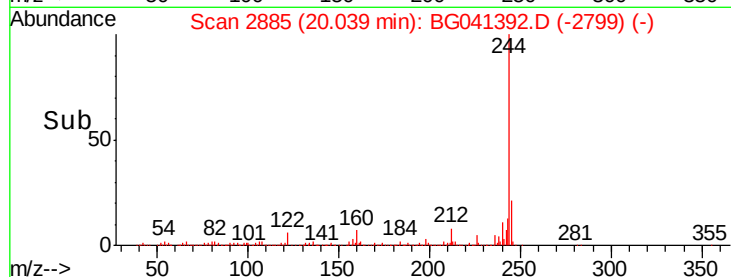
122 6.3 5.0 7.4



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.574 ng

RT: 28.78 min Scan# 4372

Delta R.T. -0.07 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

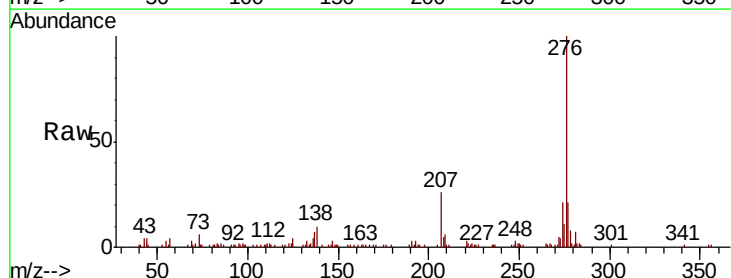
Tgt Ion:276 Resp: 123600

Ion Ratio Lower Upper

276 100

138 10.4 7.7 11.5

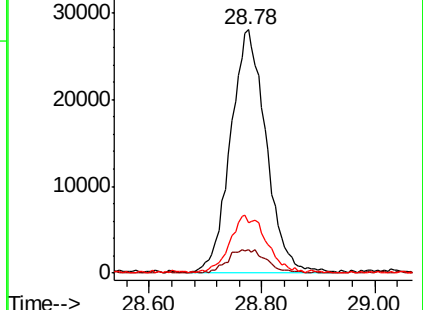
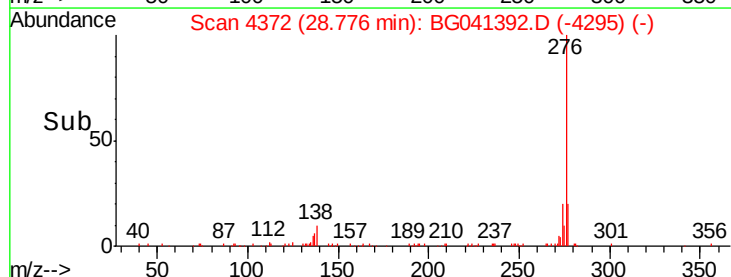
277 24.3 20.6 31.0

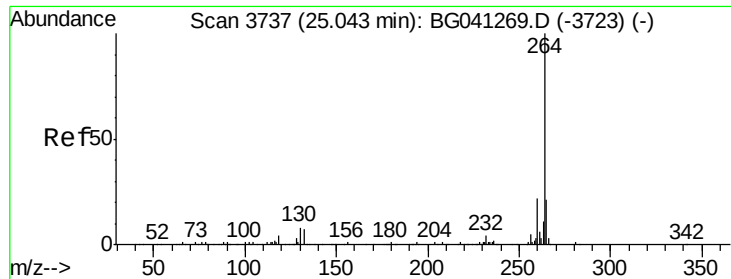


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.00 min Scan# 3730

Delta R.T. -0.04 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampleId :

TP-B

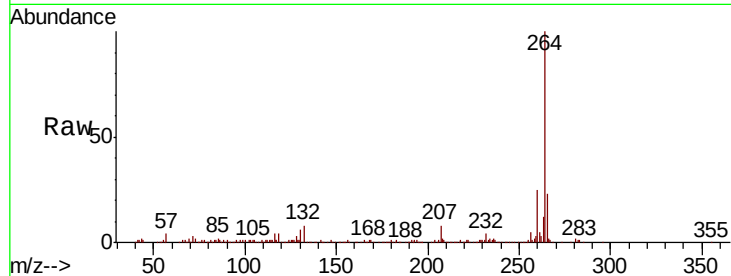
Tgt Ion:264 Resp: 257600

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.2

265 23.1 17.2 25.8

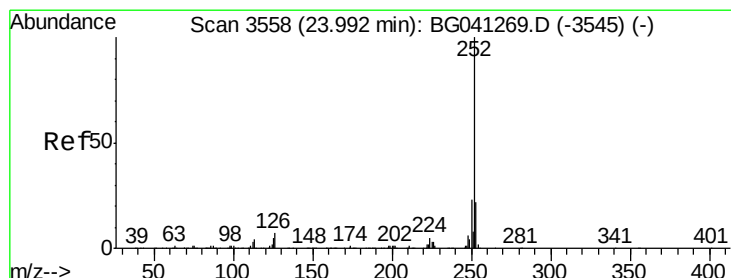
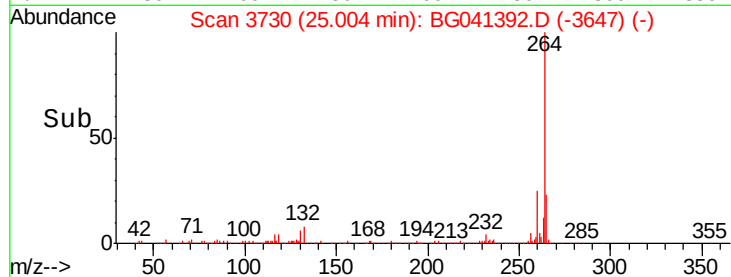
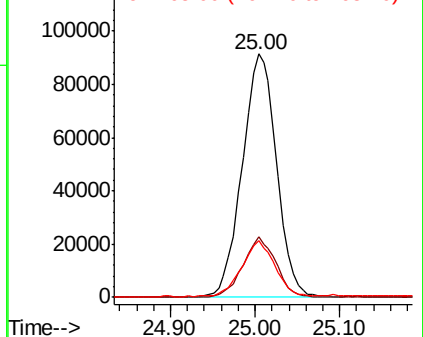


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 6.760 ng

RT: 23.95 min Scan# 3550

Delta R.T. -0.05 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

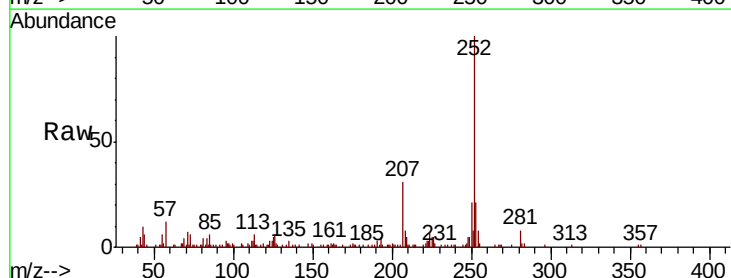
Tgt Ion:252 Resp: 107925

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 5.0 3.9 5.9

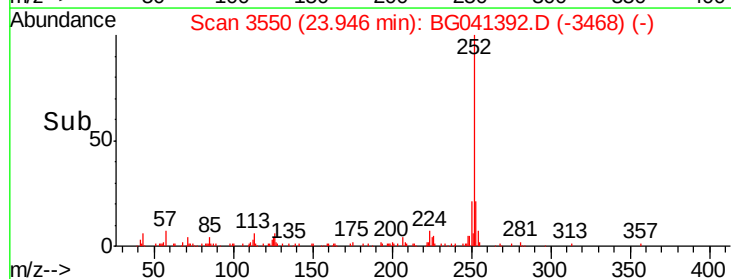
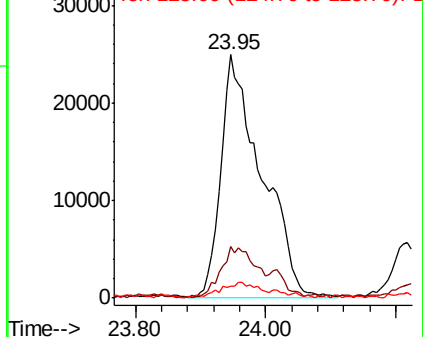


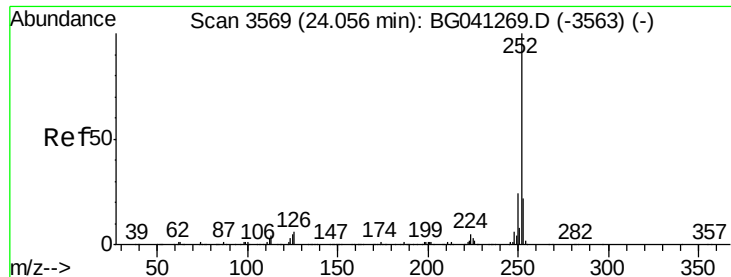
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

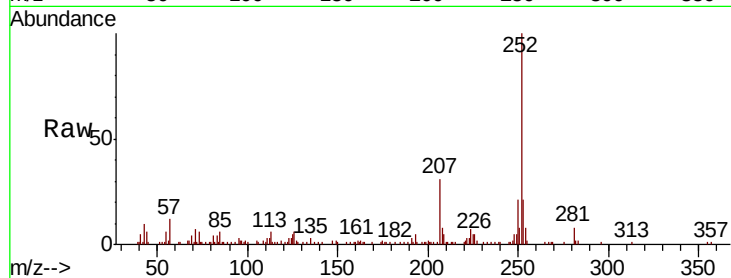




#89
Benzo(k)fluoranthene
Concen: 6.824 ng
RT: 23.95 min Scan# 3550
Delta R.T. -0.11 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Instrument :
BNA_G
ClientSampleId :
TP-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	5.0	4.3	6.5

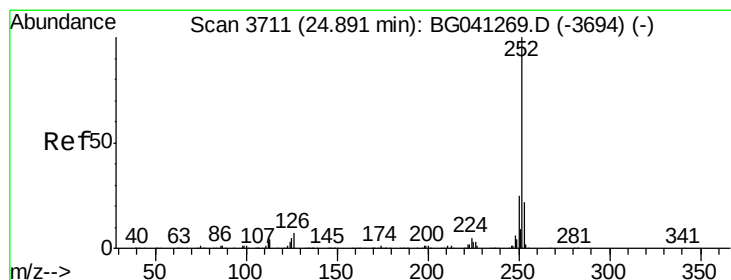
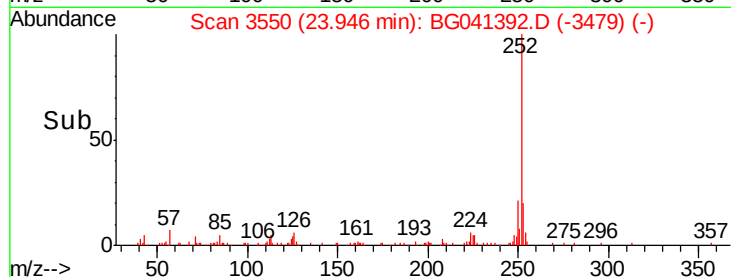
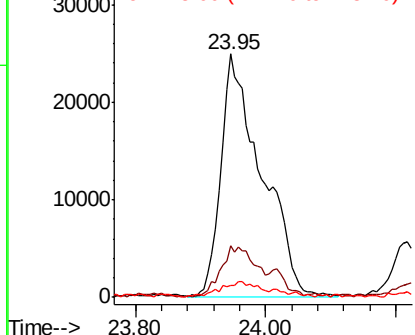


Abundance

Ion 252.00 (251.70 to 252.70): E

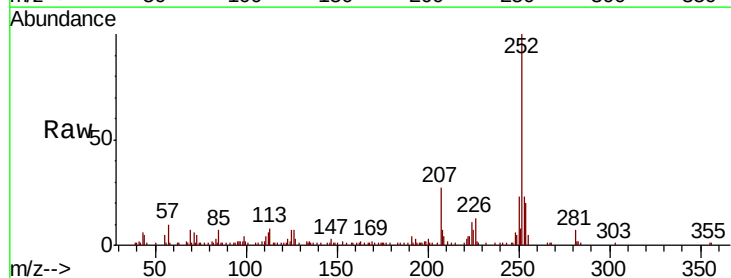
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.369 ng
RT: 24.85 min Scan# 3703
Delta R.T. -0.05 min
Lab File: BG041392.D
Acq: 22 Jun 2019 2:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	7.2	4.2	6.4

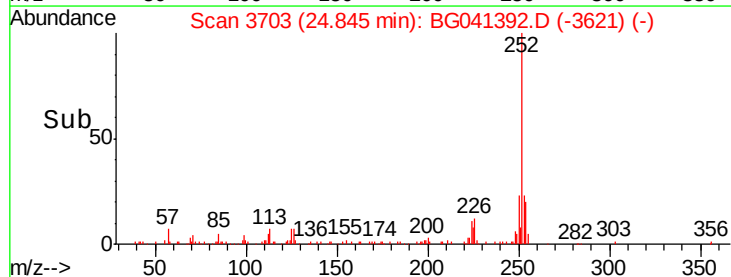
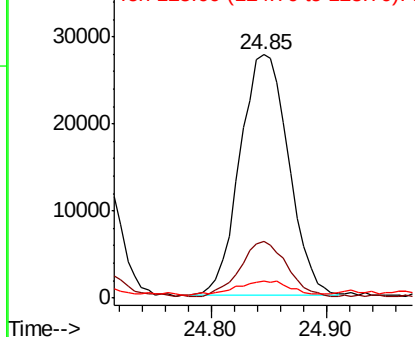


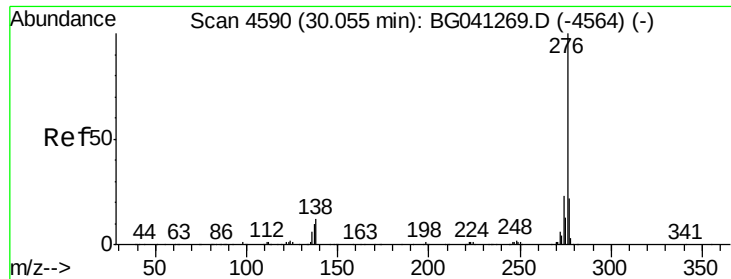
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 14.227 ng

RT: 29.97 min Scan# 4576

Delta R.T. -0.08 min

Lab File: BG041392.D

Acq: 22 Jun 2019 2:44

Instrument :

BNA_G

ClientSampleId :

TP-B

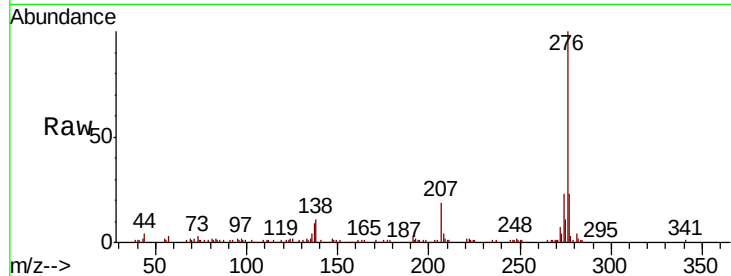
Tgt Ion: 276 Resp: 213407

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 11.5 9.4 14.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

