

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041360.D
 Acq On : 20 Jun 2019 17:06
 Operator : HP/JU
 Sample : K3157-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 20 17:53:48 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	8.08	152	45778	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	180641	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	120438	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	260974	20.00	ng	0.00
76) Chrysene-d12	21.75	240	253544	20.00	ng	0.00
87) Perylene-d12	25.08	264	157292	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	119153	47.83	ng	0.00
7) Phenol-d6	7.24	99	175759	48.67	ng	0.00
23) Nitrobenzene-d5	9.26	82	125182	29.14	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	78149	42.27	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	274713	31.00	ng	0.00
79) Terphenyl-d14	20.06	244	391083	30.57	ng	0.00

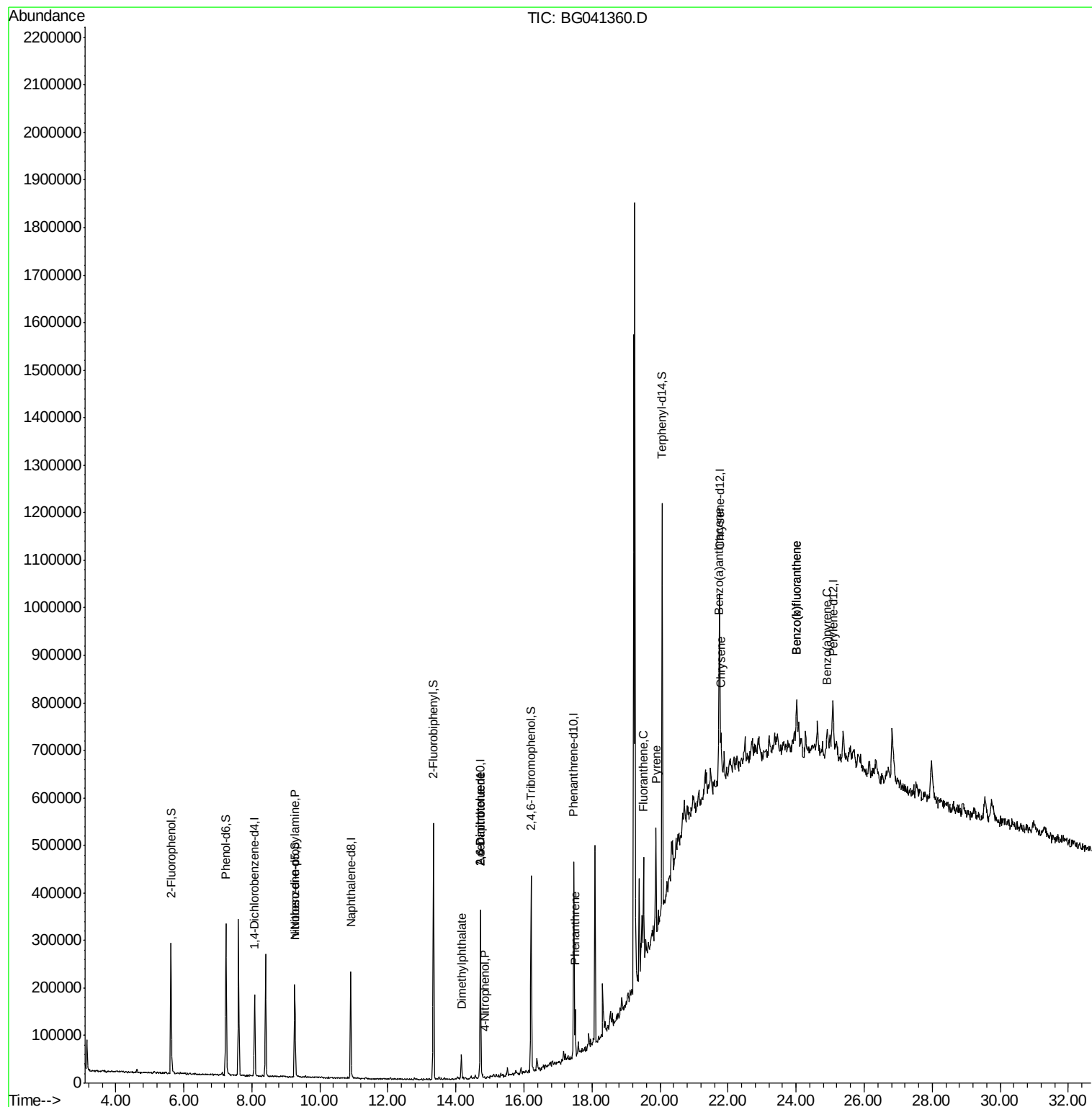
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.26	70	17905	6.130	ng	# 84
50) Dimethylphthalate	14.16	163	31329	2.924	ng	# 96
51) 2,6-Dinitrotoluene	14.72	165	15490	6.855	ng	# 16
56) 4-Nitrophenol	14.84	139	65	3.253	ng	# 78
57) 2,4-Dinitrotoluene	14.72	165	15490	4.690	ng	# 20
71) Phenanthrene	17.51	178	56354	4.049	ng	# 97
75) Fluoranthene	19.51	202	143182	7.743	ng	# 99
78) Pyrene	19.88	202	143693	8.403	ng	# 97
81) Benzo(a)anthracene	21.73	228	66105	3.851	ng	# 93
83) Chrysene	21.79	228	79763	4.831	ng	# 93
88) Benzo(b)fluoranthene	24.01	252	62761	6.438	ng	# 48
89) Benzo(k)fluoranthene	24.01	252	62761	6.499	ng	# 50
90) Benzo(a)pyrene	24.92	252	37777	4.103	ng	# 67

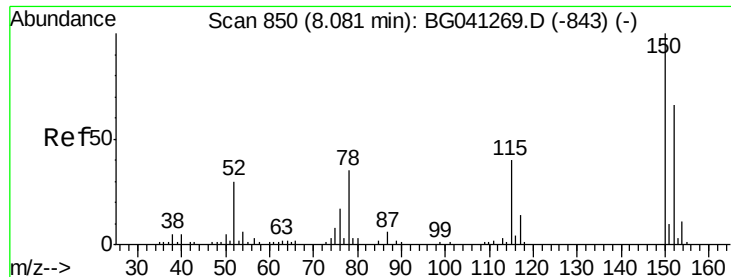
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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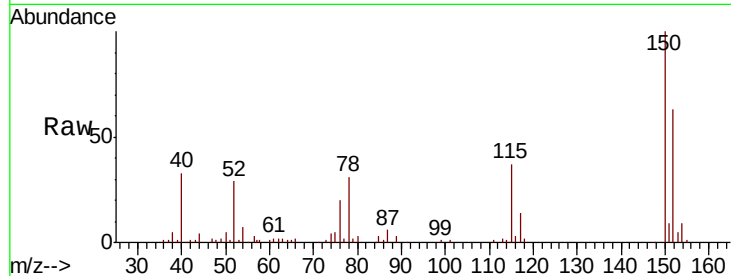


#1

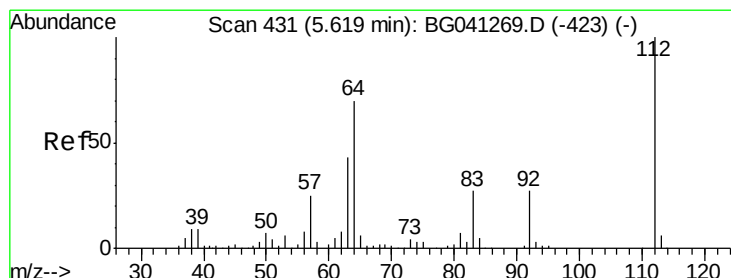
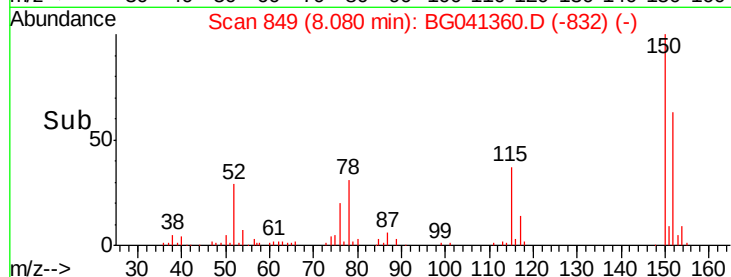
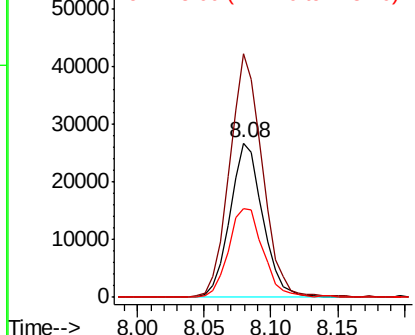
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45778
Ion Ratio Lower Upper
152 100
150 157.6 120.6 181.0
115 57.7 47.9 71.9



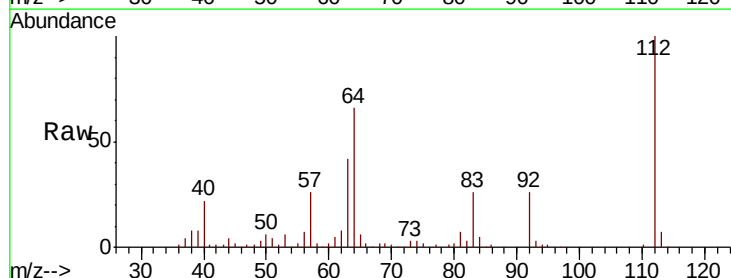
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



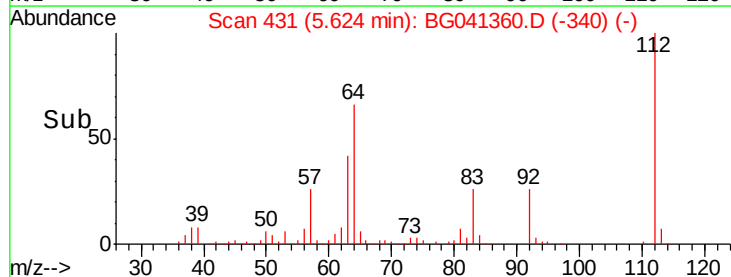
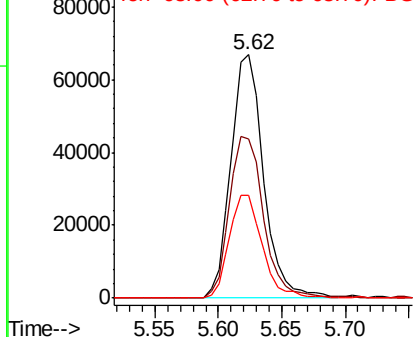
#5

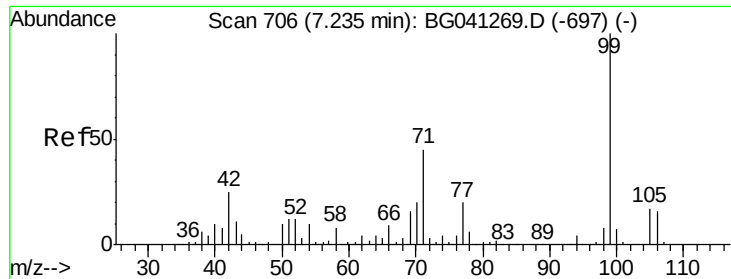
2-Fluorophenol
Concen: 47.825 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion:112 Resp: 119153
Ion Ratio Lower Upper
112 100
64 65.5 55.9 83.9
63 42.0 34.6 51.8



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: 48.668 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

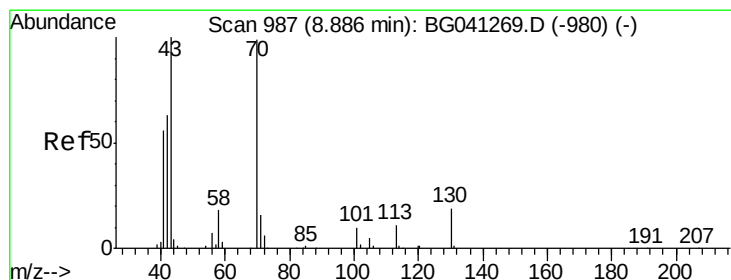
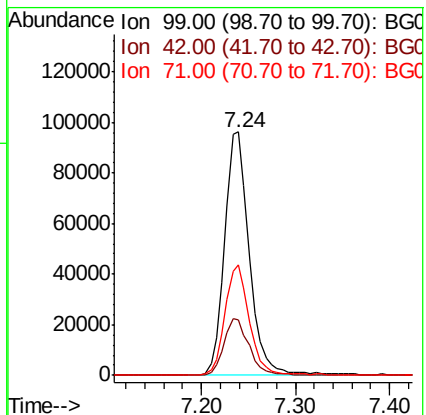
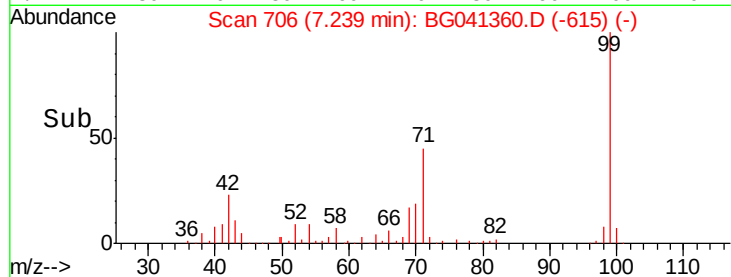
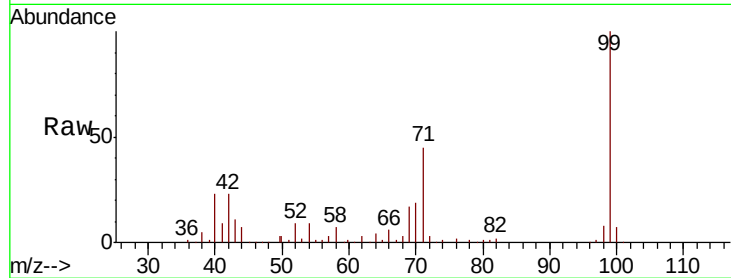
Tot Ion: 99 Resp: 175759

Ion Ratio Lower Upper

99 100

42 22.7 19.9 29.9

71 45.3 36.4 54.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.130 ng

RT: 9.26 min Scan# 1050

Delta R.T. 0.37 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Tgt Ion: 70 Resp: 17905

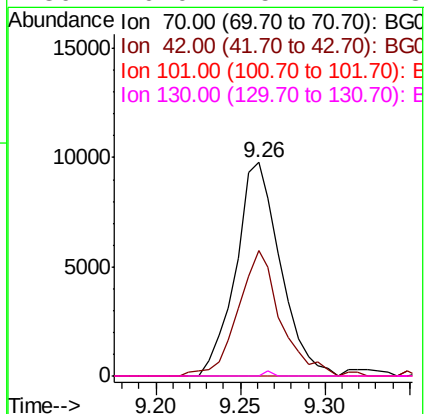
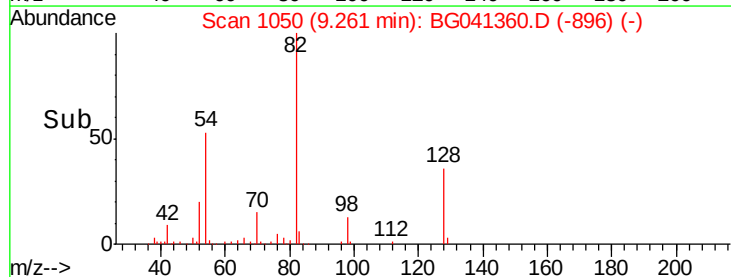
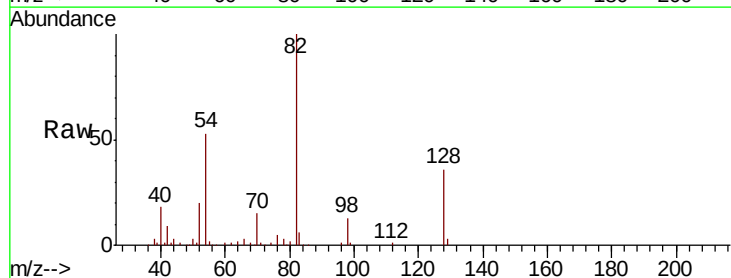
Ion Ratio Lower Upper

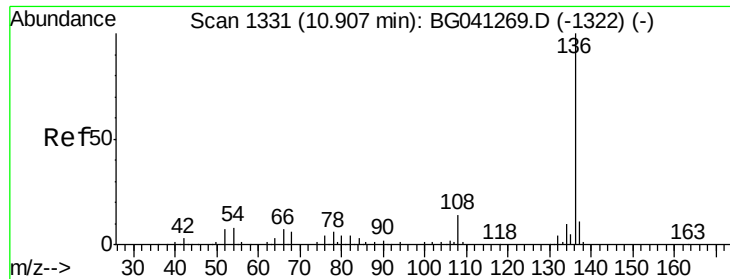
70 100

42 58.8 51.4 77.2

101 0.0 8.2 12.2#

130 0.0 15.2 22.8#

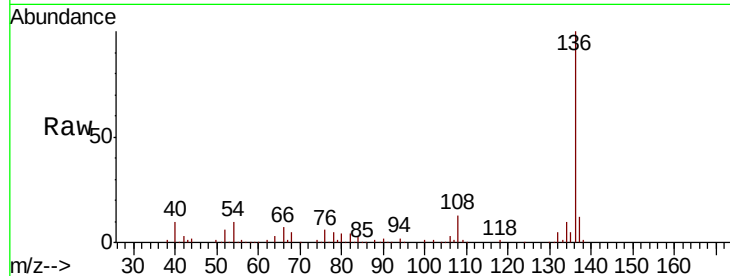




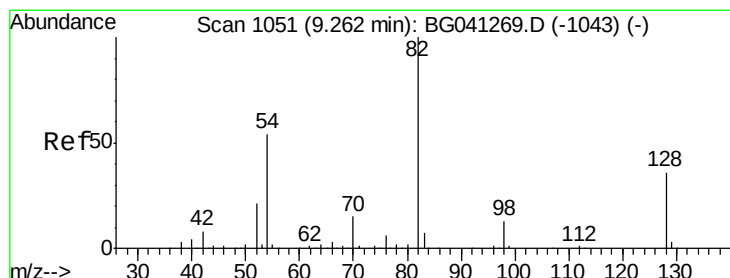
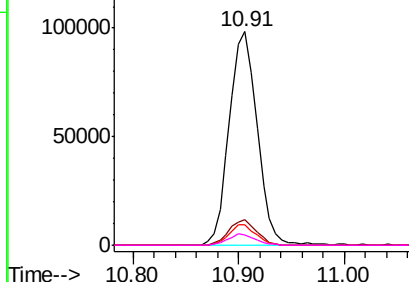
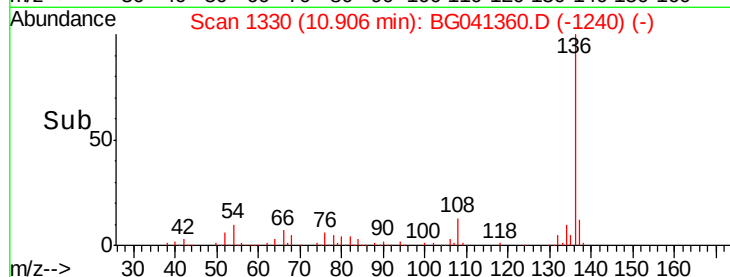
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	180641
Ion Ratio	Lower	Upper
136	100	
137	12.0	8.8 13.2
54	9.6	6.4 9.6
68	4.9	4.8 7.2

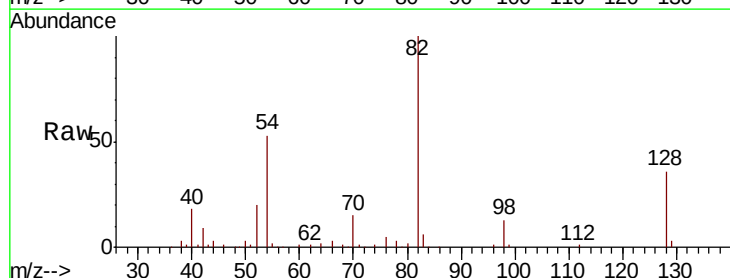


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

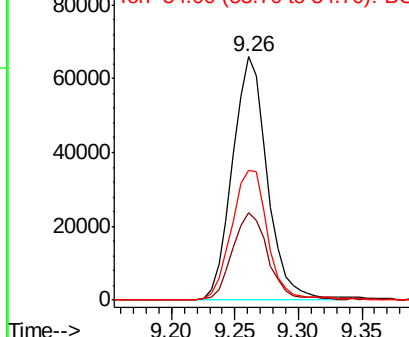
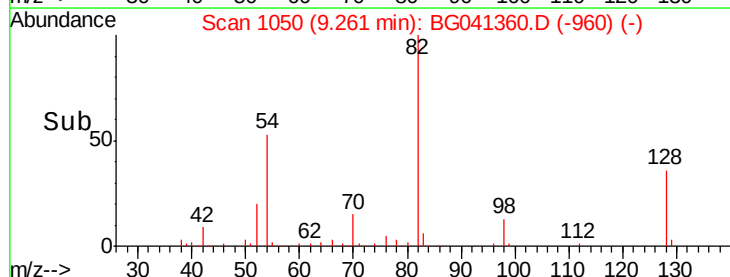


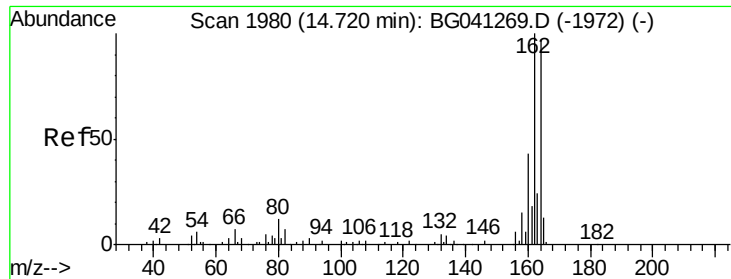
#23
Nitrobenzene-d5
Concen: 29.144 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion: 82	Resp:	125182
Ion Ratio	Lower	Upper
82	100	
128	35.9	29.2 43.8
54	53.1	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: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

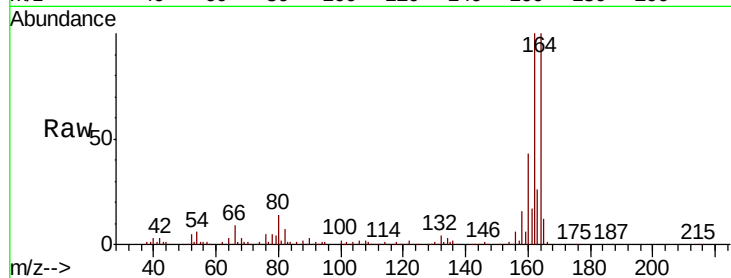
Tot Ion:164 Resp: 120438

Ion Ratio Lower Upper

164 100

162 100.3 82.8 124.2

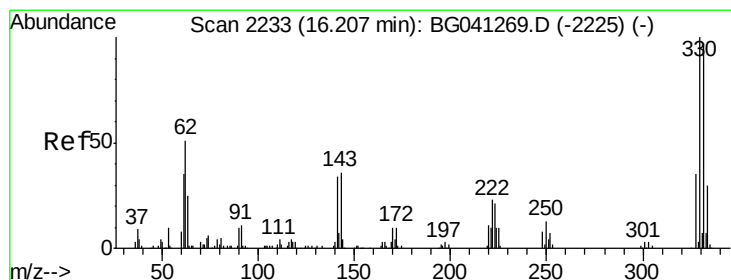
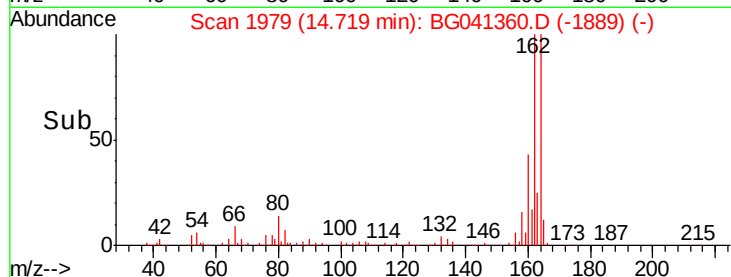
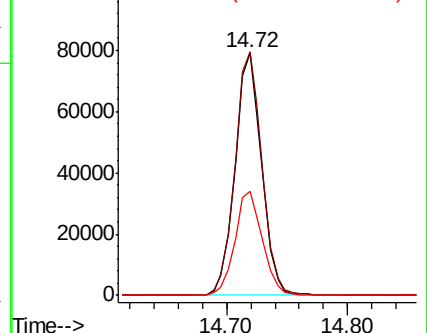
160 43.0 35.8 53.8



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: 42.266 ng

RT: 16.21 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

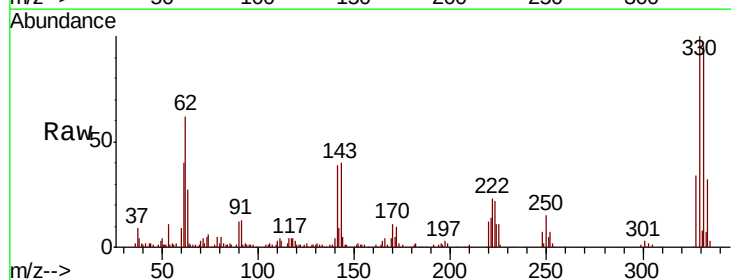
Tgt Ion:330 Resp: 78149

Ion Ratio Lower Upper

330 100

332 97.4 75.5 113.3

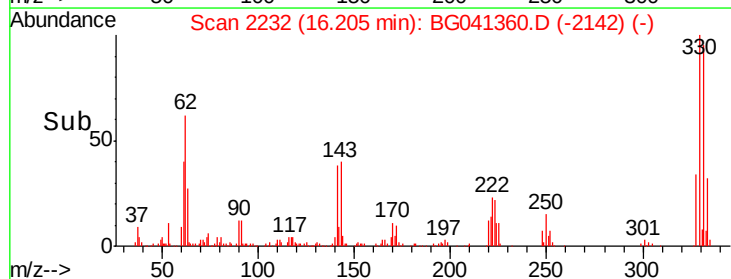
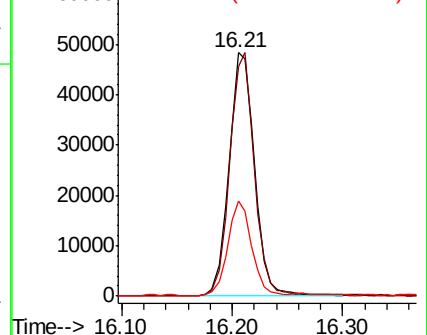
141 36.8 29.0 43.4

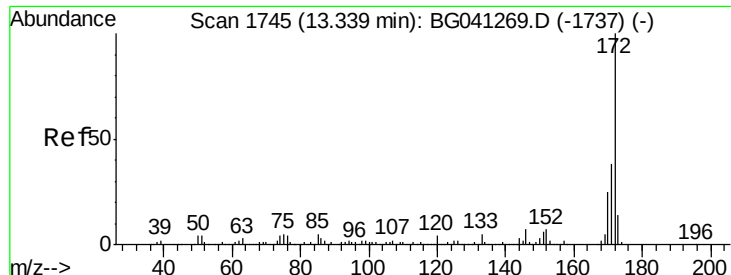


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

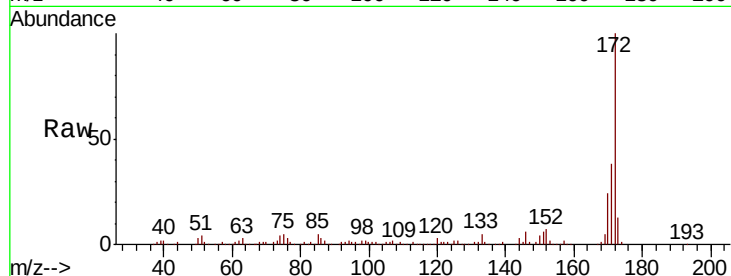




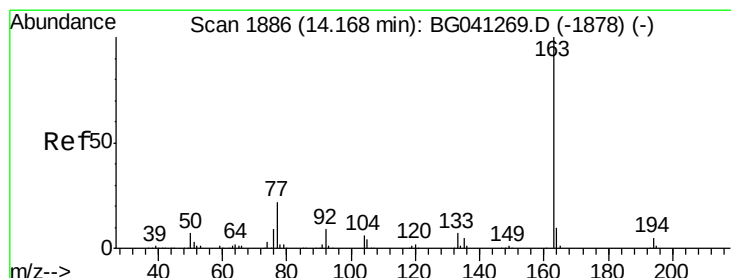
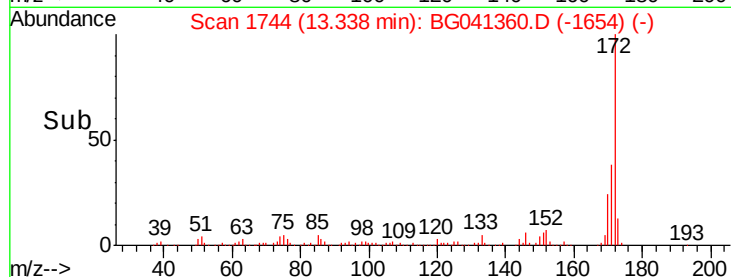
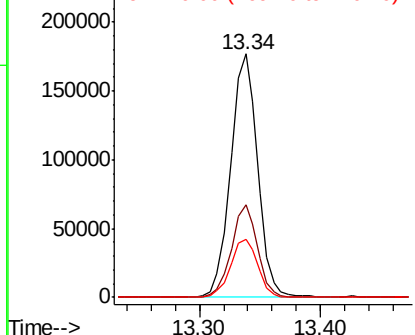
#45
2-Fluorobiphenyl
Concen: 31.002 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 274713
Ion Ratio Lower Upper
172 100
171 37.8 30.0 45.0
170 24.1 19.8 29.6

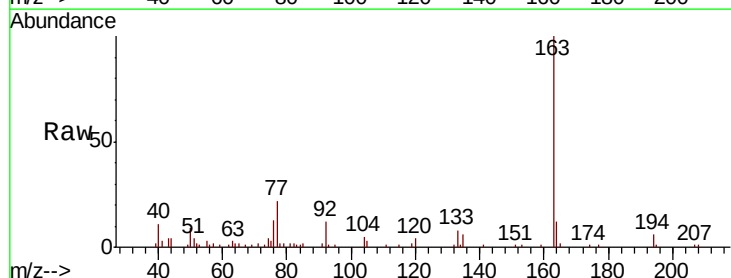


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

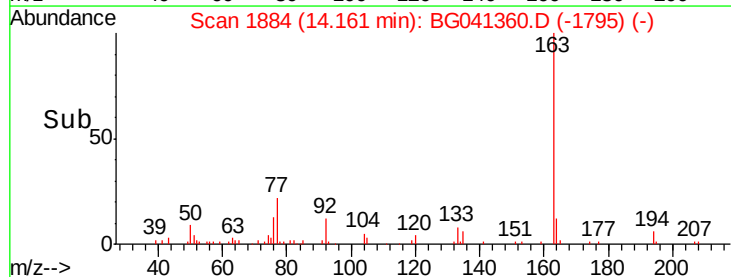
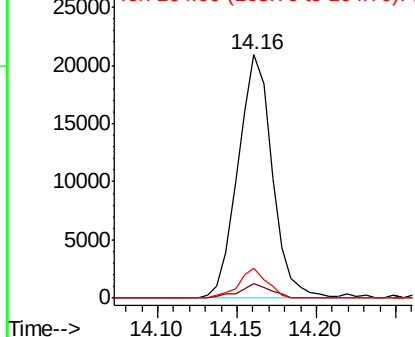


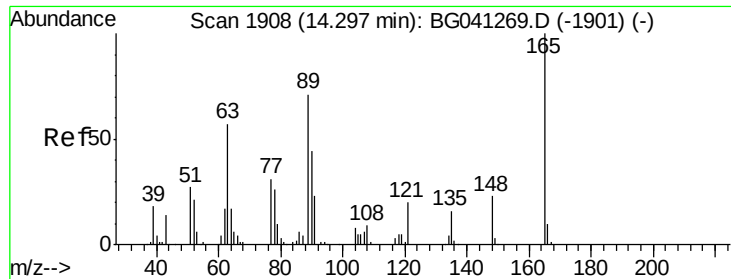
#50
Dimethylphthalate
Concen: 2.924 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion:163 Resp: 31329
Ion Ratio Lower Upper
163 100
194 5.8 3.9 5.9
164 12.2 8.3 12.5



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

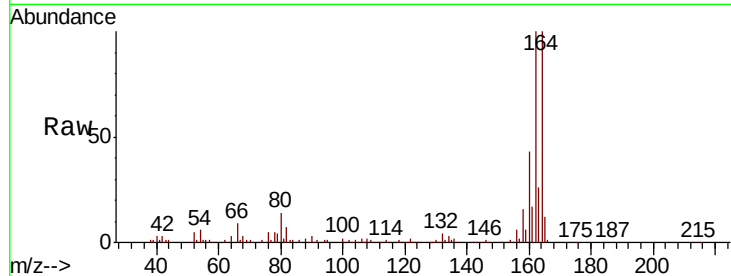




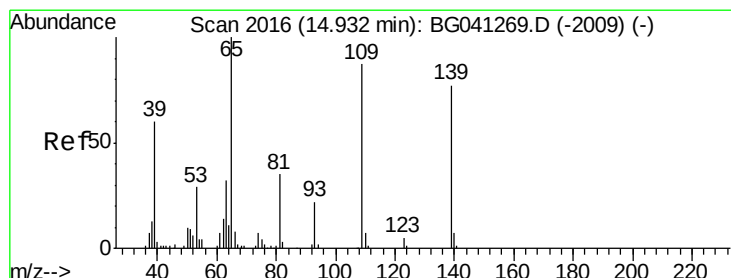
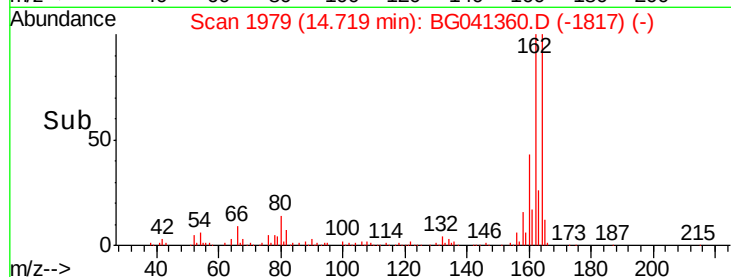
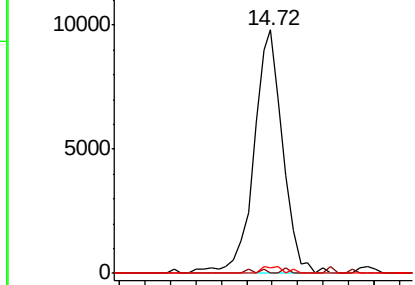
#51
 2,6-Dinitrotoluene
 Concen: 6.855 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. 0.42 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	55.4	83.0#
89	2.4	56.5	84.7#

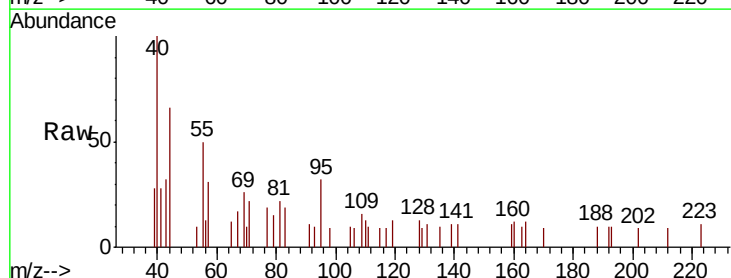


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

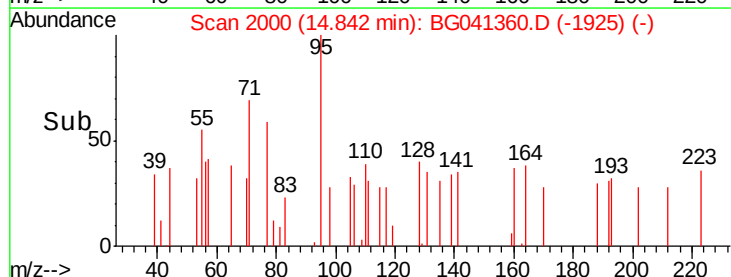
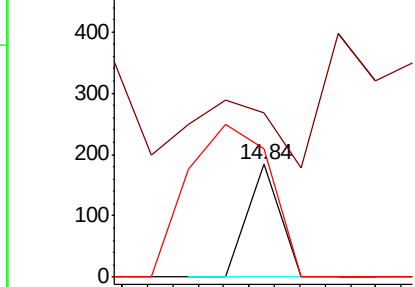


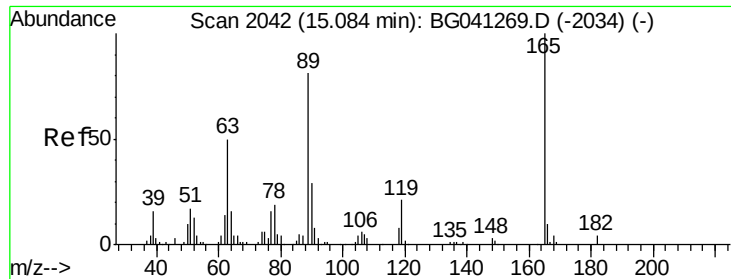
#56
 4-Nitrophenol
 Concen: 3.253 ng
 RT: 14.84 min Scan# 2000
 Delta R.T. -0.09 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
139	100		
109	145.7	93.2	133.2#
65	113.6	110.2	150.2



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BG

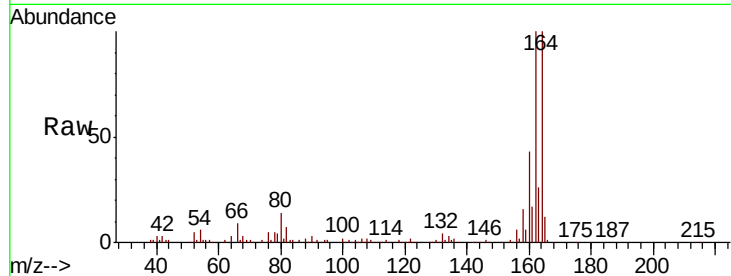




#57
 2,4-Dinitrotoluene
 Concen: 4.690 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.37 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.0	60.0#
89	2.4	64.6	96.8#
182	0.0	2.9	4.3#

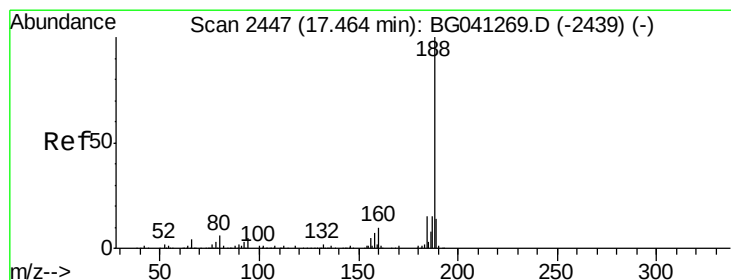
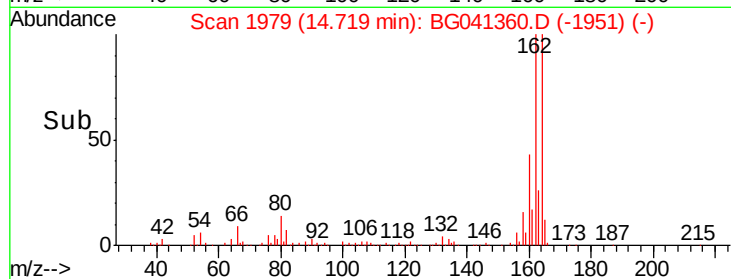
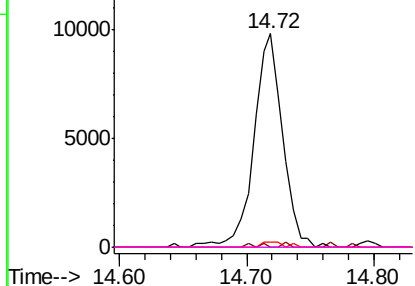


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

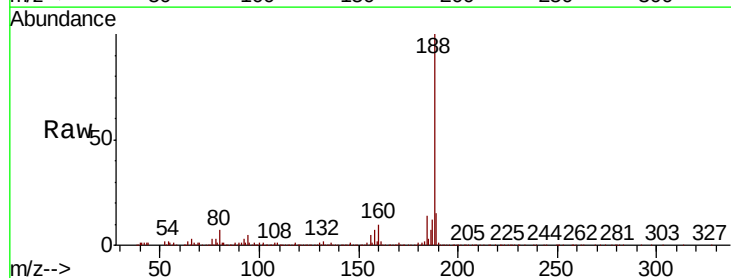
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

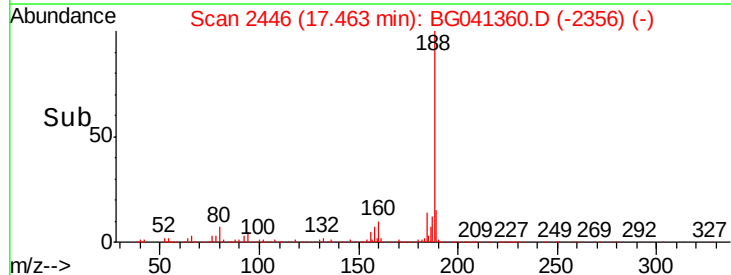
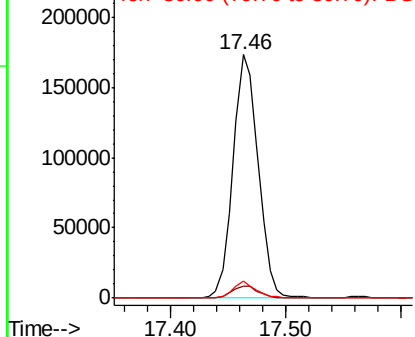
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.0	3.6	5.4
80	7.0	4.8	7.2

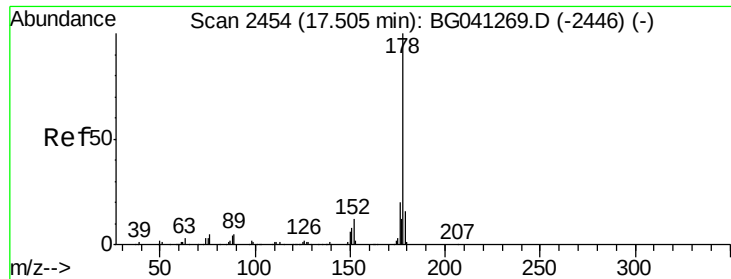


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 4.049 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

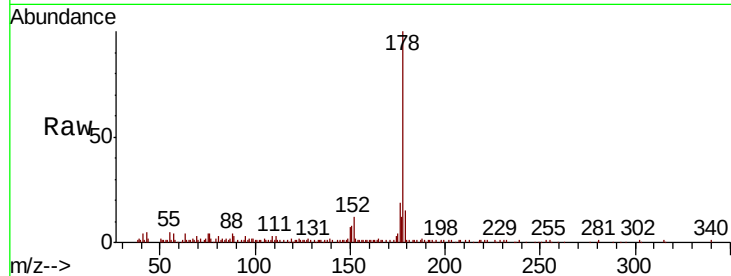
Tot Ion:178 Resp: 56354

Ion Ratio Lower Upper

178 100

176 18.7 16.1 24.1

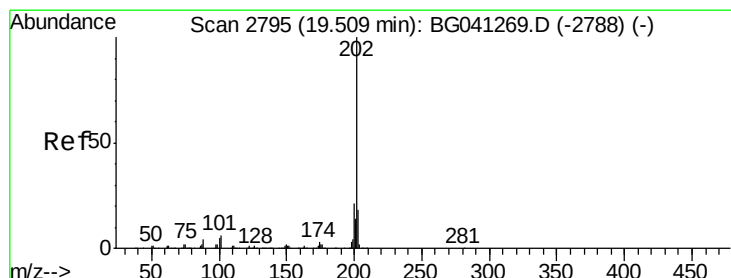
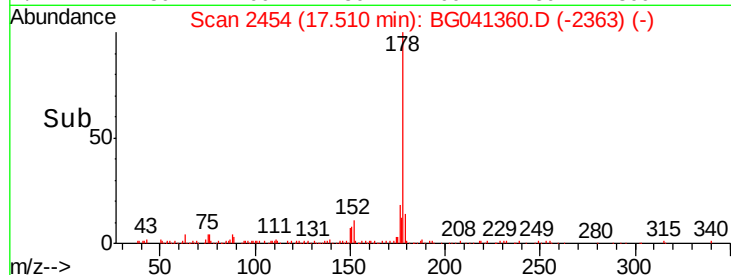
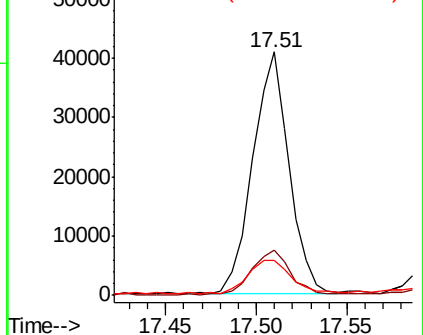
179 14.6 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.743 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

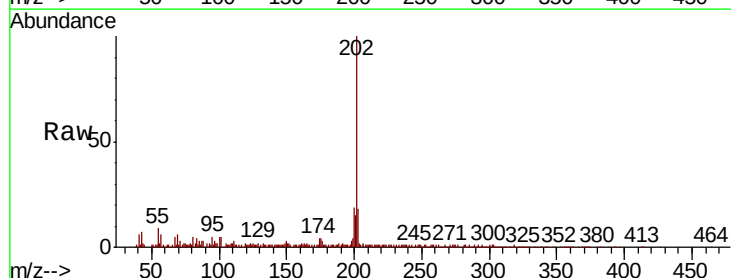
Tgt Ion:202 Resp: 143182

Ion Ratio Lower Upper

202 100

101 5.0 0.0 26.0

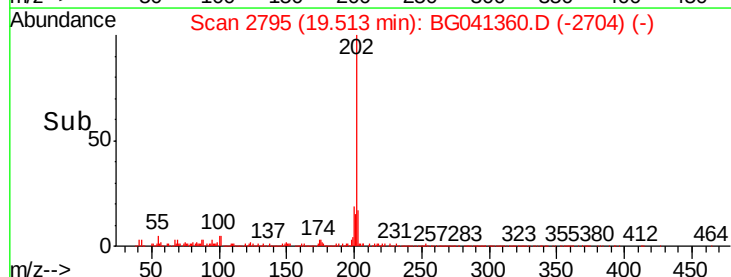
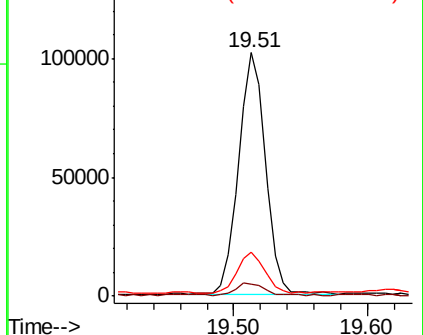
203 18.0 0.0 37.7

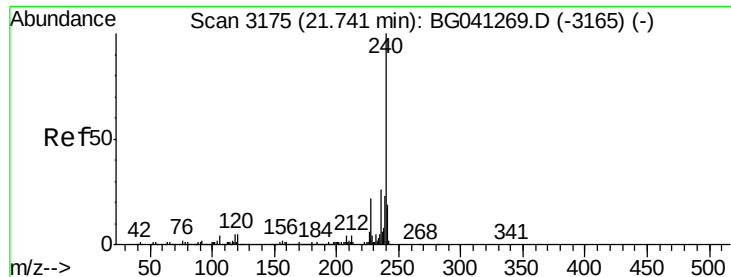


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

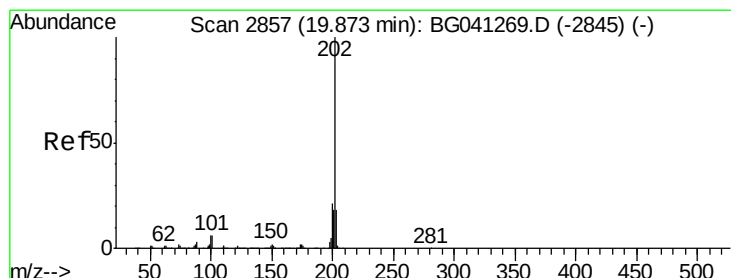
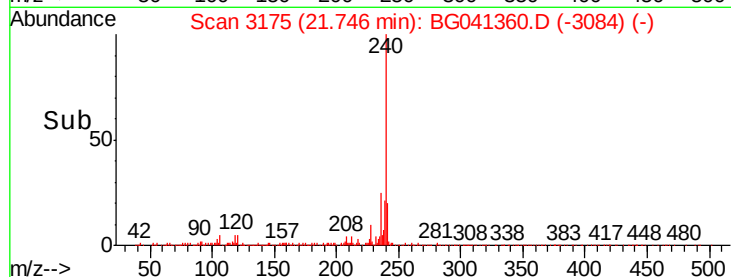
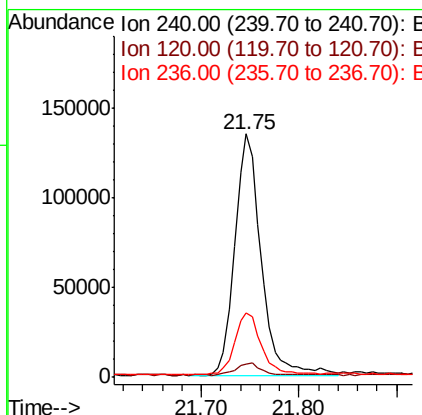
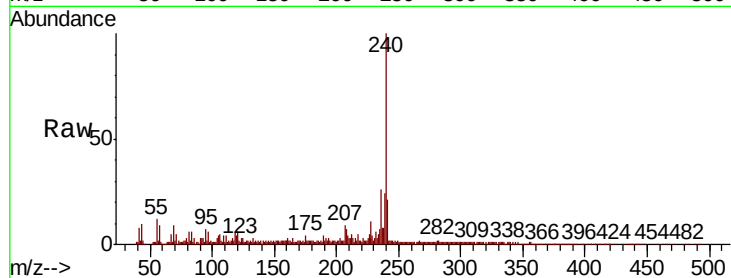




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

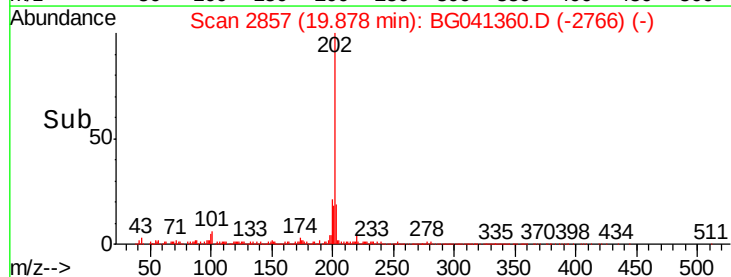
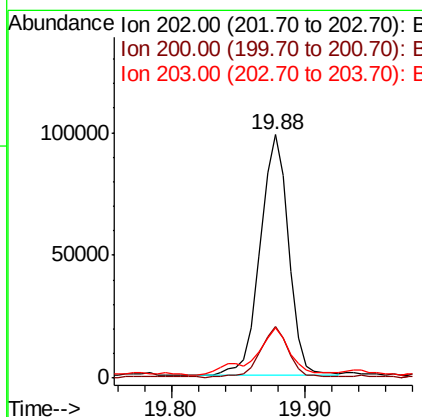
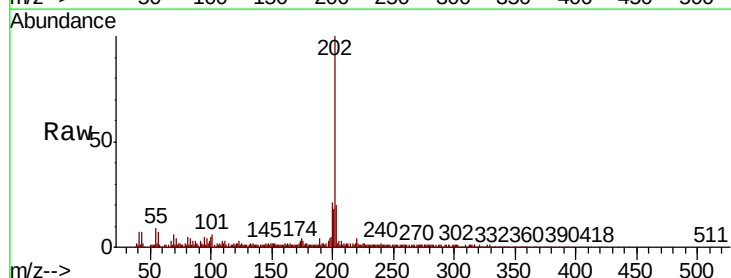
Instrument :
BNA_G
ClientSampleId :

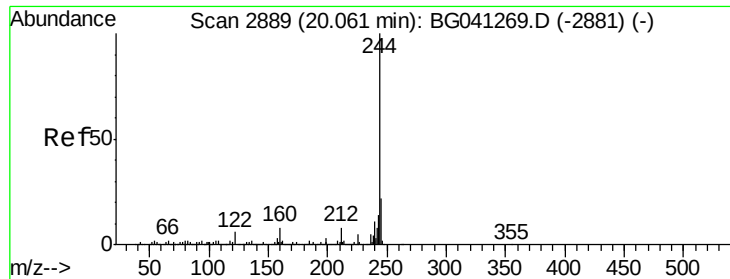
Tot Ion:240 Resp: 253544
Ion Ratio Lower Upper
240 100
120 5.5 3.7 5.5
236 26.3 21.1 31.7



#78
Pyrene
Concen: 8.403 ng
RT: 19.88 min Scan# 2857
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion:202 Resp: 143693
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 20.5 14.6 21.8





#79

Terphenyl-d14

Concen: 30.568 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

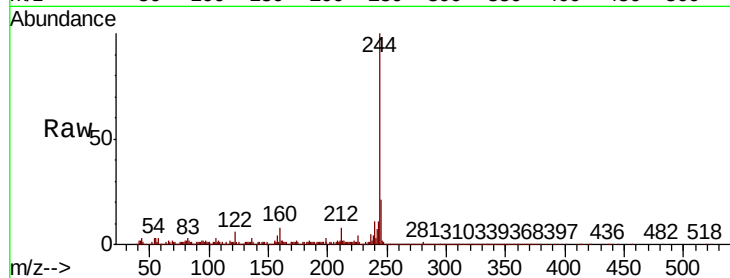
Tot Ion:244 Resp: 391083

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

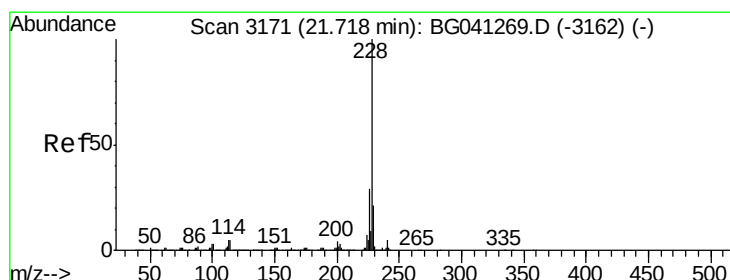
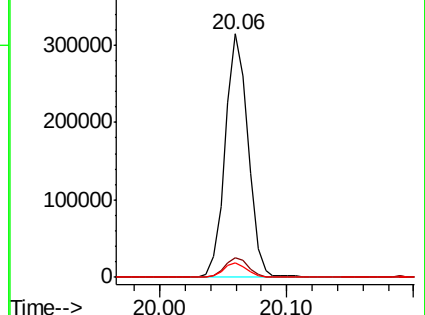
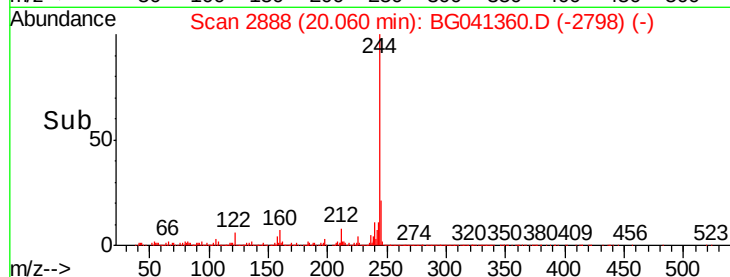
122 6.1 5.0 7.4



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



#81

Benzo(a)anthracene

Concen: 3.851 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

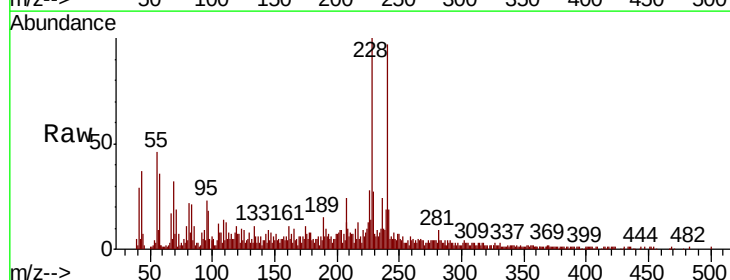
Tgt Ion:228 Resp: 66105

Ion Ratio Lower Upper

228 100

226 27.8 23.2 34.8

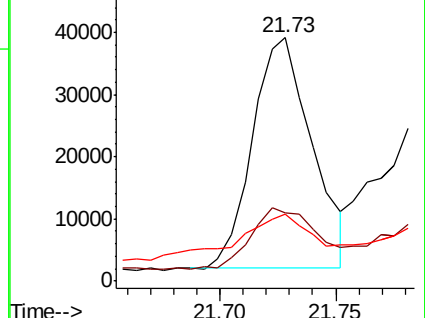
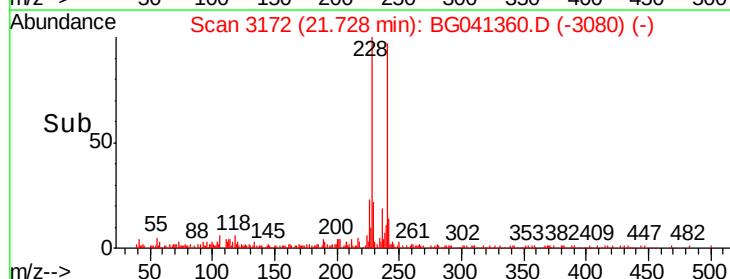
229 27.3 16.8 25.2#

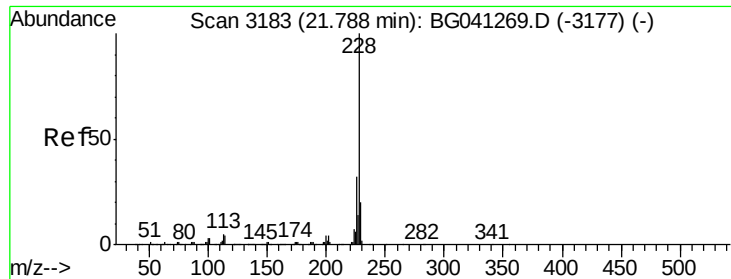


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

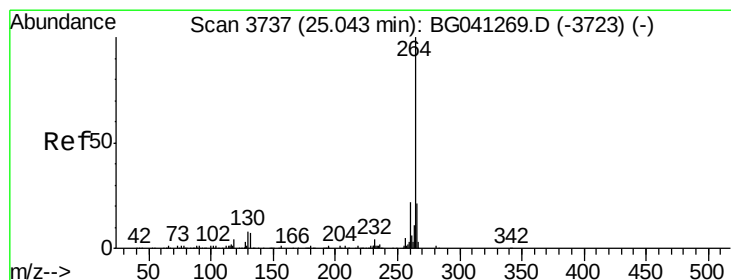
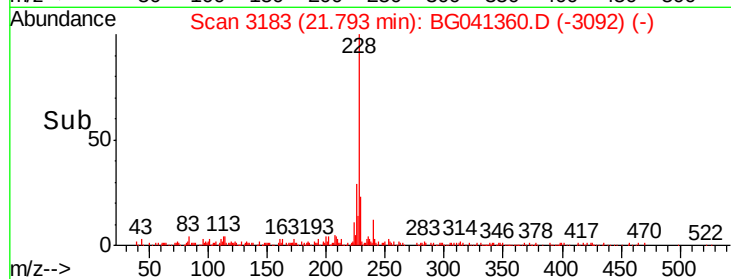
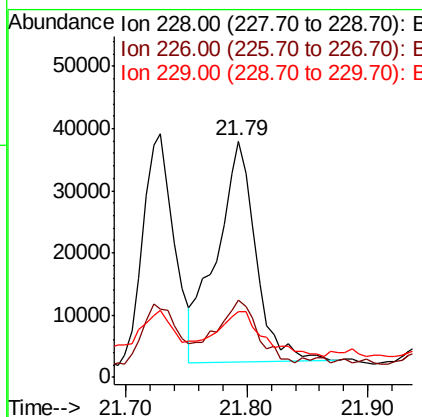
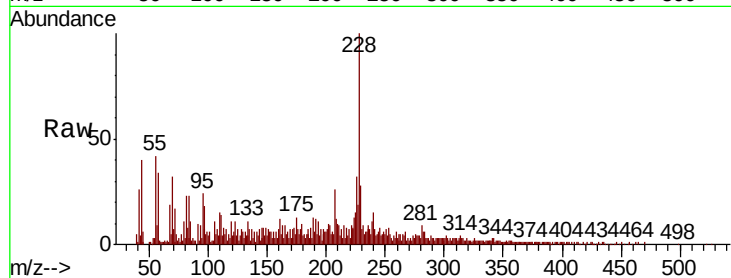




#83
Chrysene
Concen: 4.831 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

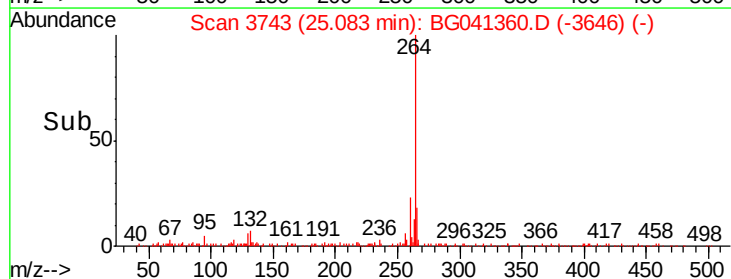
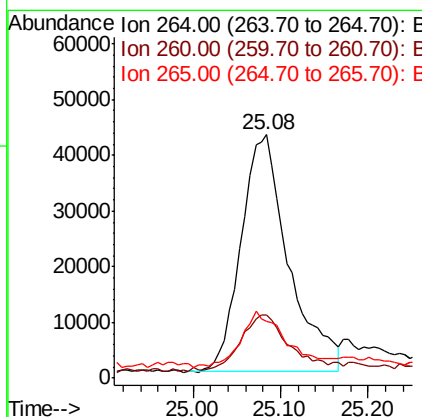
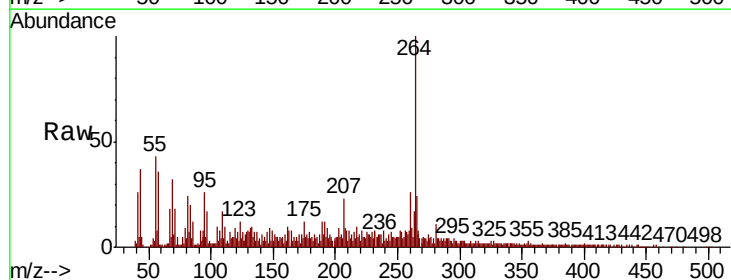
Instrument :
BNA_G
ClientSampled :

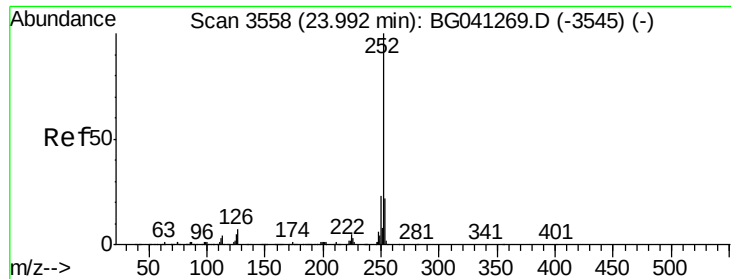
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.4	38.0
229	28.0	16.2	24.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. 0.04 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	17.4	26.2
265	23.5	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 6.438 ng

RT: 24.01 min Scan# 3560

Delta R.T. 0.02 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

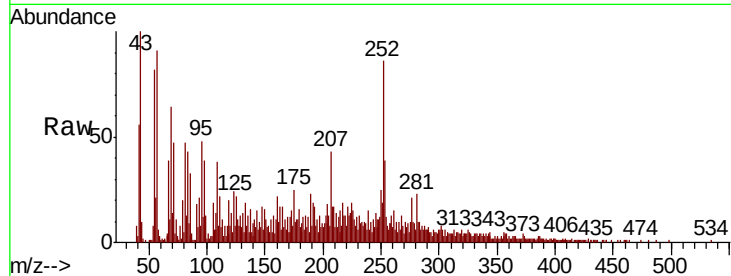
Tot Ion:252 Resp: 62761

Ion Ratio Lower Upper

252 100

253 45.4 17.4 26.0#

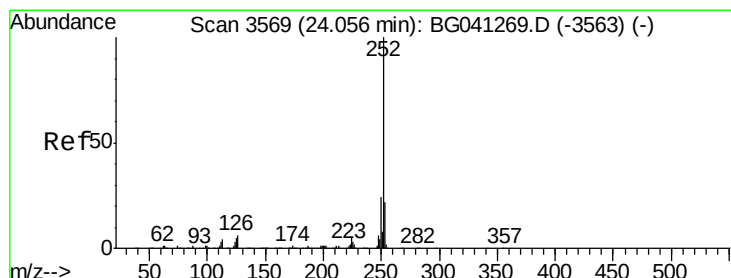
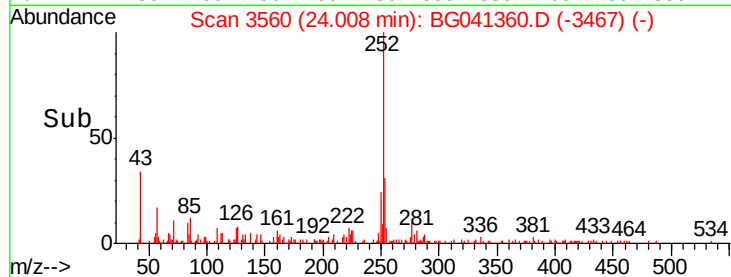
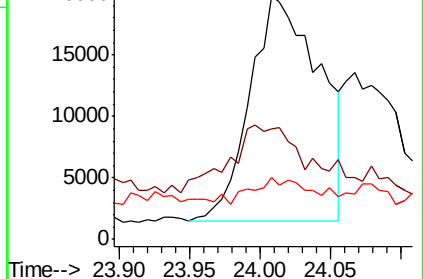
125 25.5 3.9 5.9#



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: 6.499 ng

RT: 24.01 min Scan# 3560

Delta R.T. -0.05 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

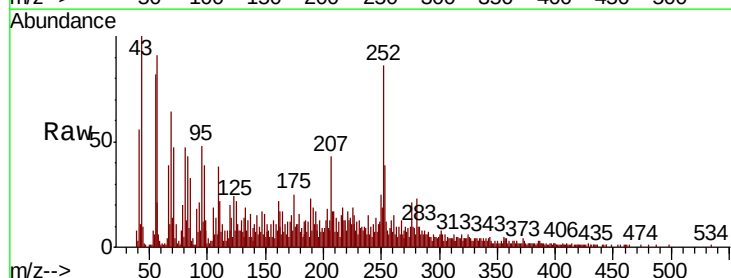
Tgt Ion:252 Resp: 62761

Ion Ratio Lower Upper

252 100

253 45.4 18.0 27.0#

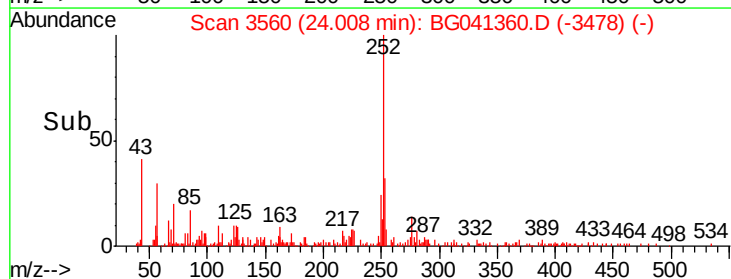
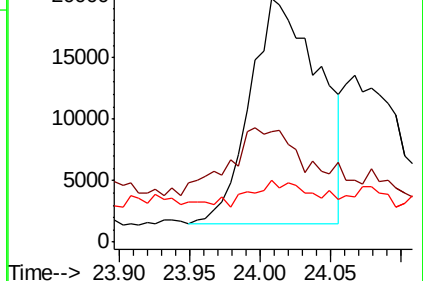
125 25.5 4.3 6.5#

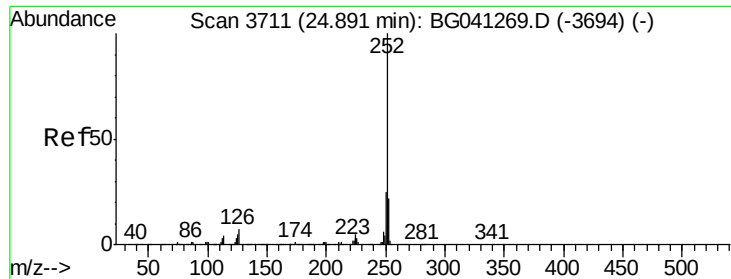


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.103 ng

RT: 24.92 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

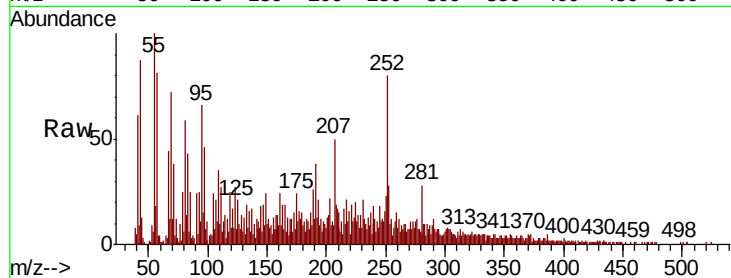
Tot Ion:252 Resp: 37777

Ion Ratio Lower Upper

252 100

253 34.4 17.8 26.6#

125 26.6 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

