

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062019\
 Data File : BG041366.D
 Acq On : 20 Jun 2019 20:54
 Operator : HP/JU
 Sample : K3455-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 01:34:18 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	44587	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	172793	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	117119	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	255103	20.00	ng	0.00
76) Chrysene-d12	21.75	240	236651	20.00	ng	0.00
87) Perylene-d12	25.07	264	185183	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	205424	84.65	ng	0.00
7) Phenol-d6	7.24	99	314252	89.34	ng	0.00
23) Nitrobenzene-d5	9.26	82	223999	54.52	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	135490	75.35	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	448254	52.02	ng	0.00
79) Terphenyl-d14	20.06	244	570175	47.75	ng	0.00

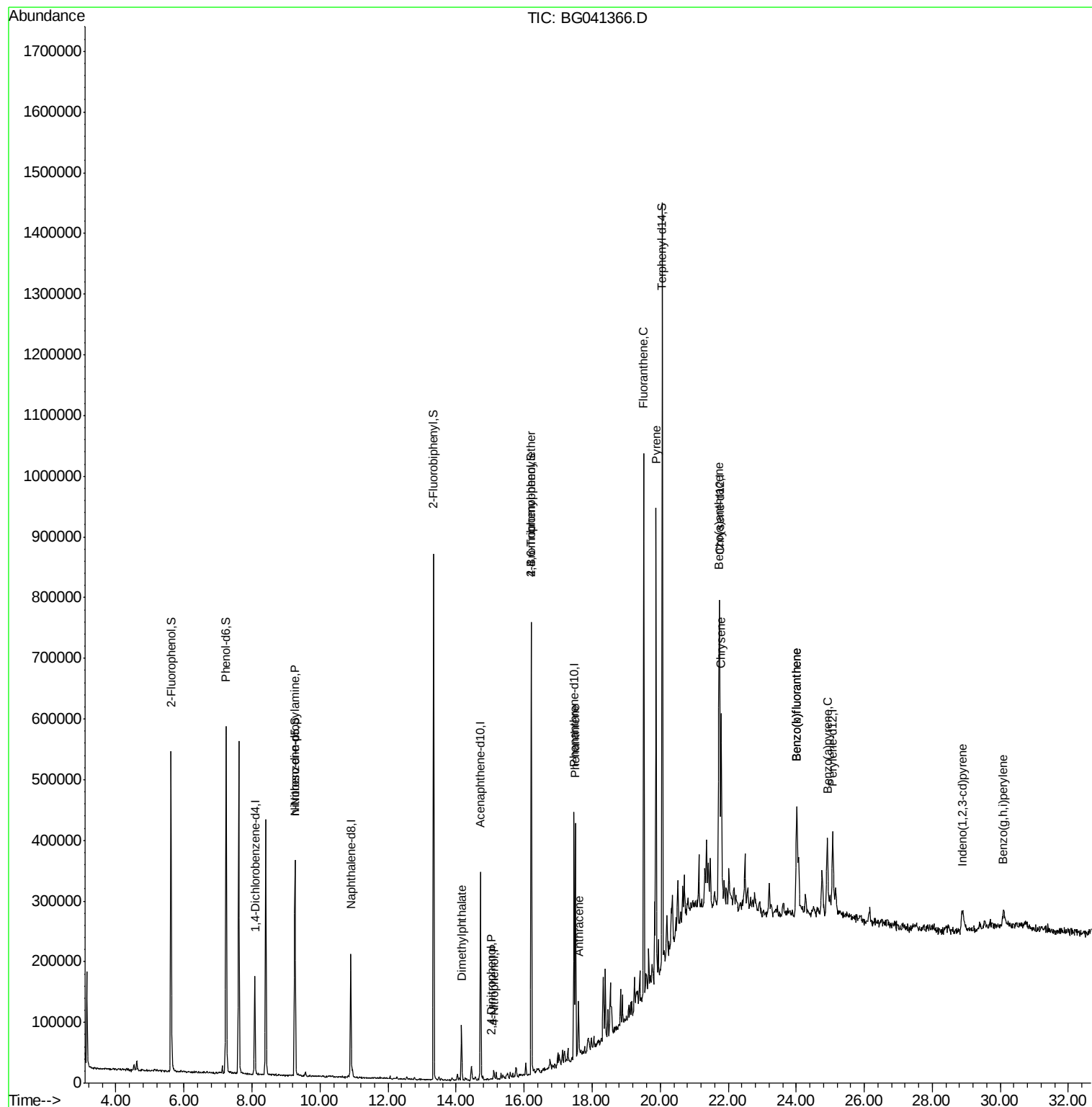
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.26	70	33030	11.610	ng	# 75
50) Dimethylphthalate	14.16	163	58961	5.658	ng	98
54) 2,4-Dinitrophenol	15.03	184	62	4.883	ng	# 13
56) 4-Nitrophenol	15.12	139	2878	4.895	ng	# 3
67) 4-Bromophenyl-phenylether	16.21	248	9470	2.871	ng	# 1
71) Phenanthrene	17.51	178	247357	18.181	ng	97
72) Anthracene	17.60	178	61585	4.591	ng	98
75) Fluoranthene	19.52	202	569359	31.499	ng	98
78) Pyrene	19.88	202	503315	31.536	ng	100
81) Benzo(a)anthracene	21.73	228	275931	17.221	ng	98
83) Chrysene	21.80	228	255635	16.590	ng	98
86) Indeno(1,2,3-cd)pyrene	28.89	276	75116	4.109	ng	# 61
88) Benzo(b)fluoranthene	24.01	252	230932	20.122	ng	# 97
89) Benzo(k)fluoranthene	24.01	252	230932	20.312	ng	# 98
90) Benzo(a)pyrene	24.92	252	155781	14.373	ng	# 96
92) Benzo(g,h,i)perylene	30.09	276	53154	4.929	ng	# 83

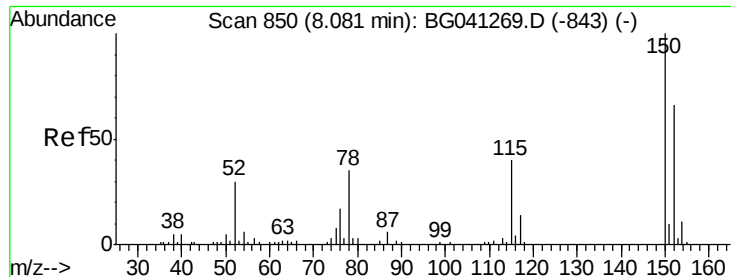
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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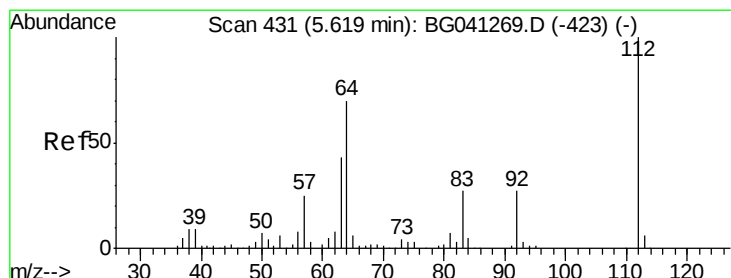
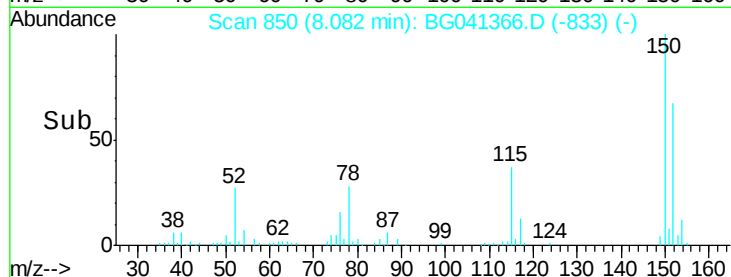
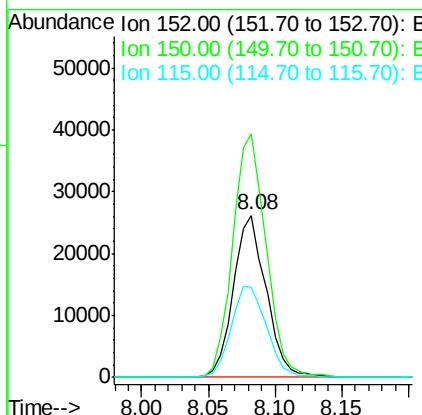
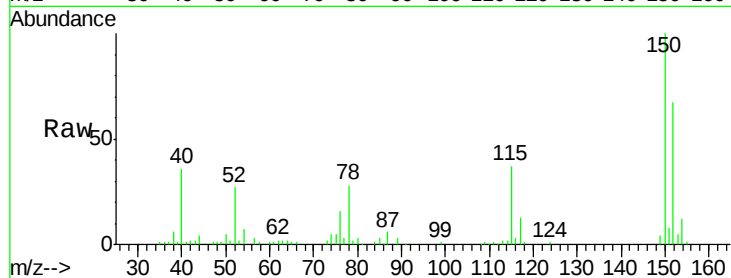


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :

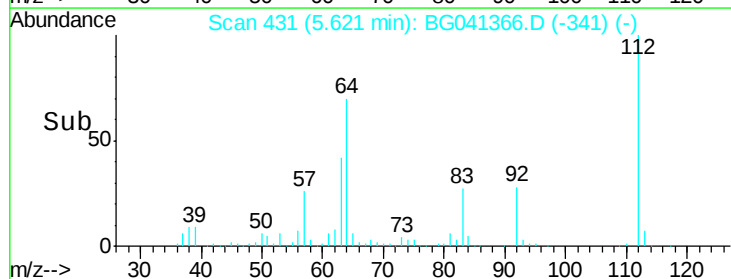
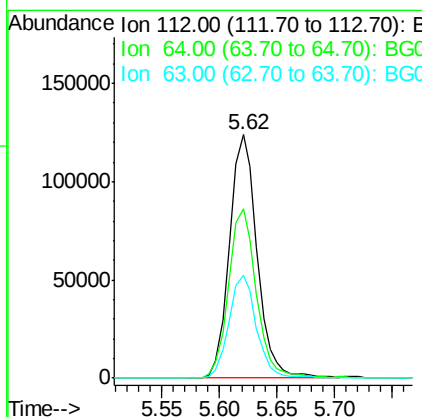
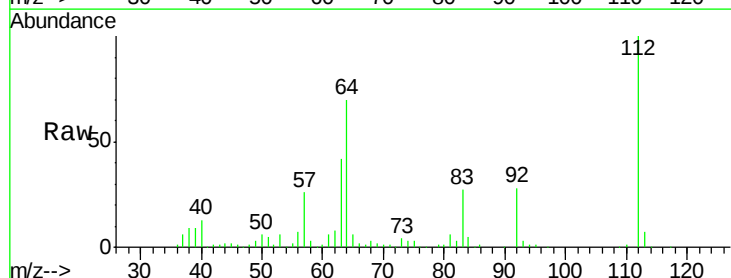
Tot Ion:152 Resp: 44587
Ion Ratio Lower Upper
152 100
150 150.1 120.6 181.0
115 55.8 47.9 71.9

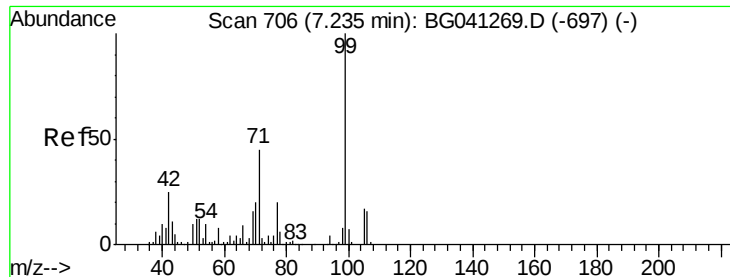


#5

2-Fluorophenol
Concen: 84.655 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion:112 Resp: 205424
Ion Ratio Lower Upper
112 100
64 69.8 55.9 83.9
63 42.2 34.6 51.8





#7

Phenol-d6

Concen: 89.342 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

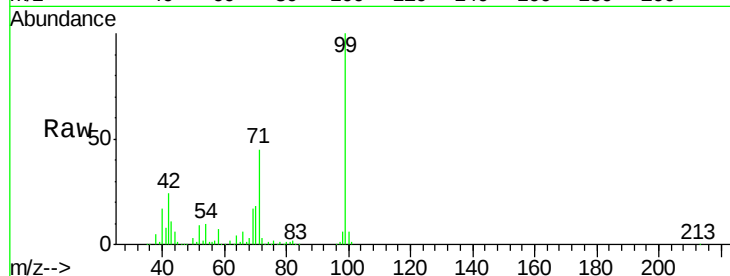
Tot Ion: 99 Resp: 314252

Ion Ratio Lower Upper

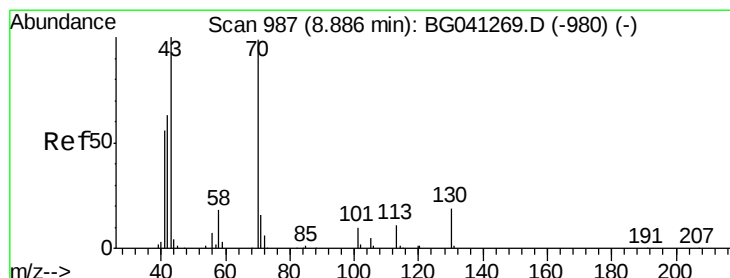
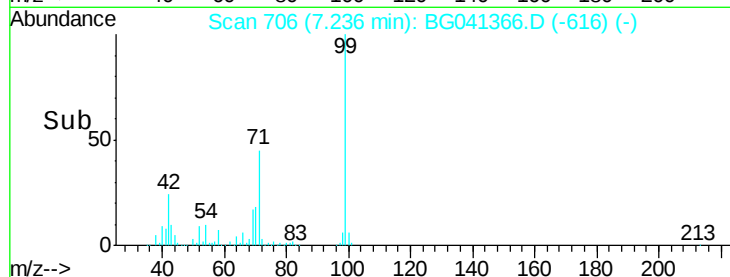
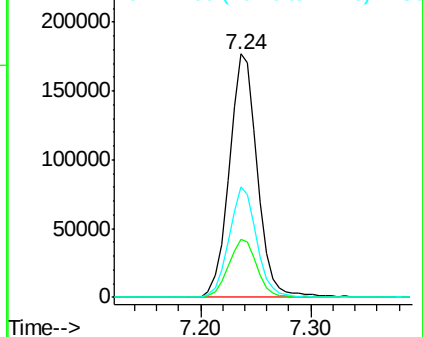
99 100

42 23.8 19.9 29.9

71 45.3 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: 11.610 ng

RT: 9.26 min Scan# 1051

Delta R.T. 0.38 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt Ion: 70 Resp: 33030

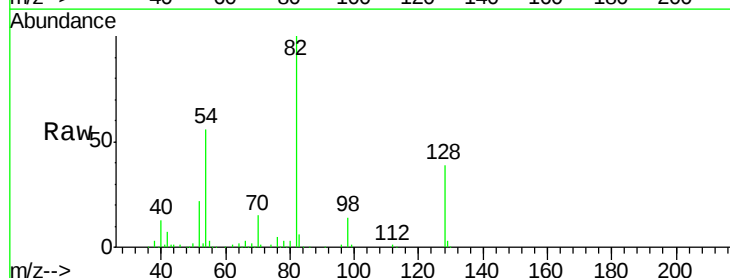
Ion Ratio Lower Upper

70 100

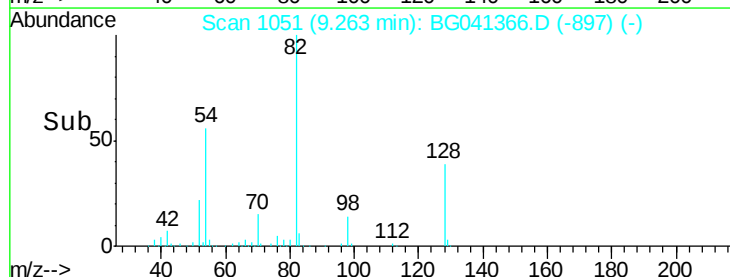
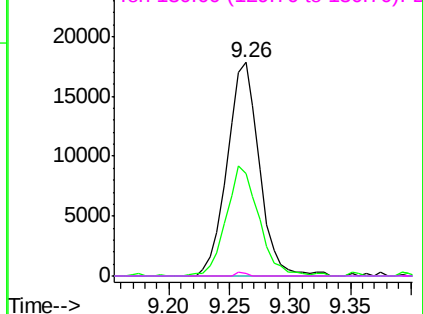
42 48.2 51.4 77.2#

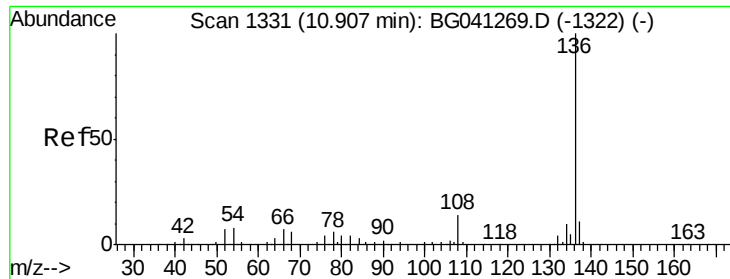
101 0.0 8.2 12.2#

130 1.2 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

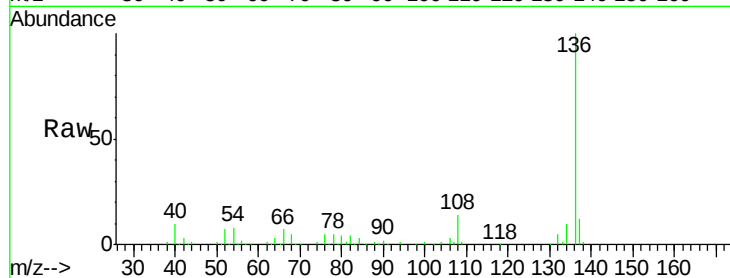




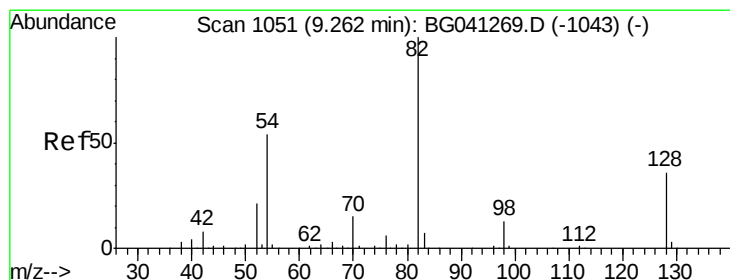
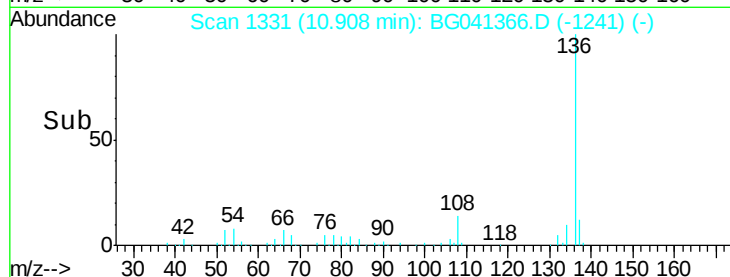
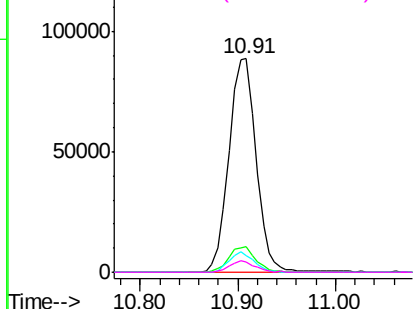
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	172793
Ion	Ratio	Lower Upper
136	100	
137	11.9	8.8 13.2
54	8.0	6.4 9.6
68	4.8	4.8 7.2

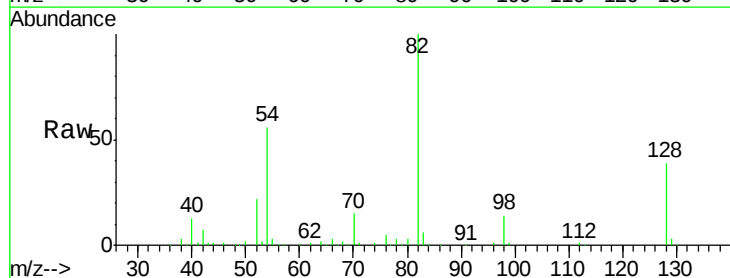


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

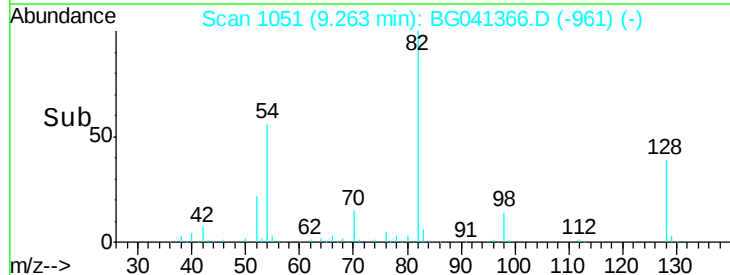
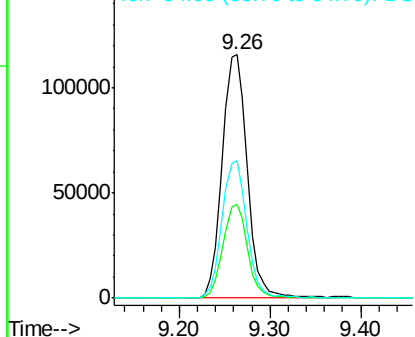


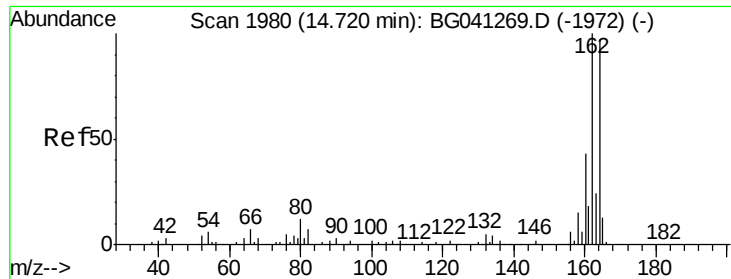
#23
Nitrobenzene-d5
Concen: 54.519 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion: 82	Resp:	223999
Ion	Ratio	Lower Upper
82	100	
128	38.8	29.2 43.8
54	56.3	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# 1980

Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

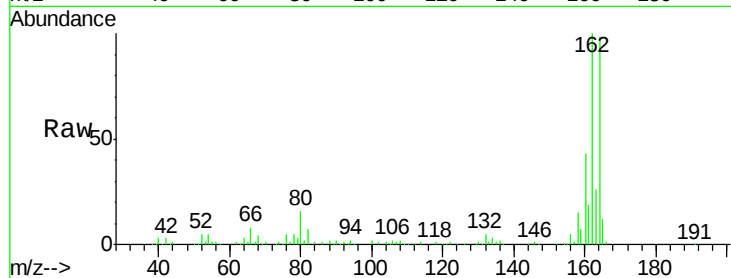
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 117119

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.8	124.2
160	43.4	35.8	53.8

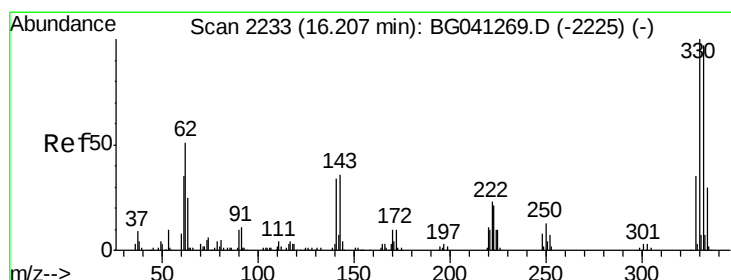
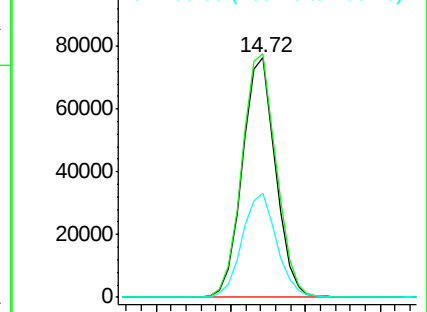
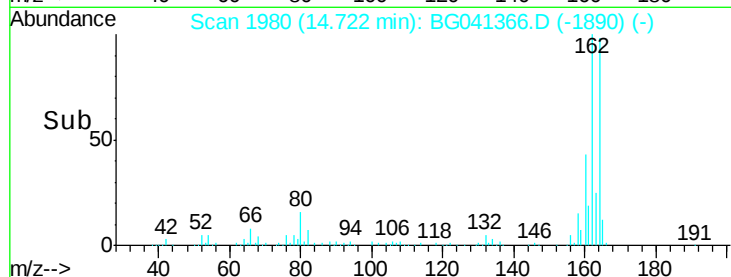


Abundance

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: 75.354 ng

RT: 16.21 min Scan# 2233

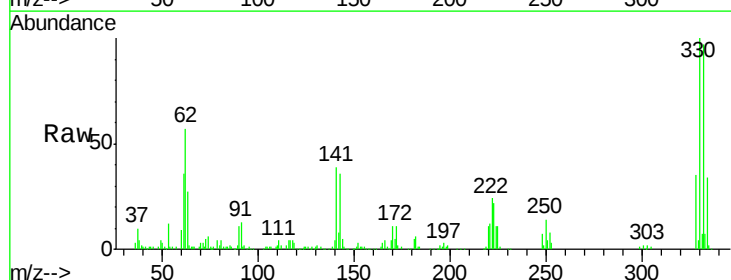
Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt Ion:330 Resp: 135490

Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.5	113.3
141	36.8	29.0	43.4

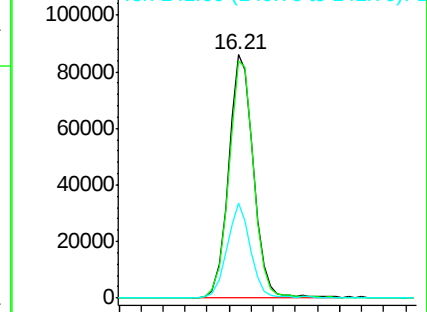
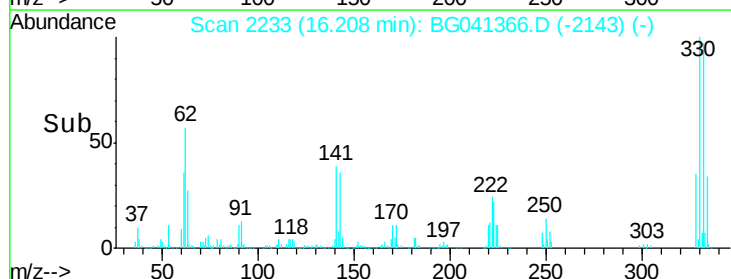


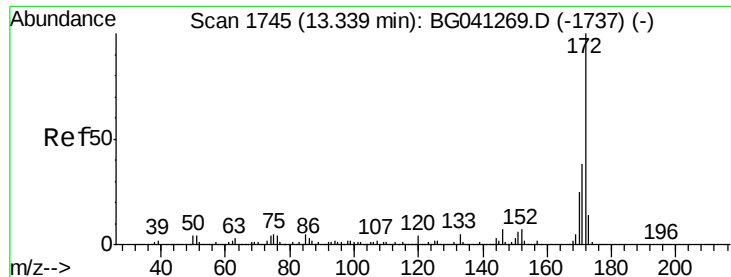
Abundance

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

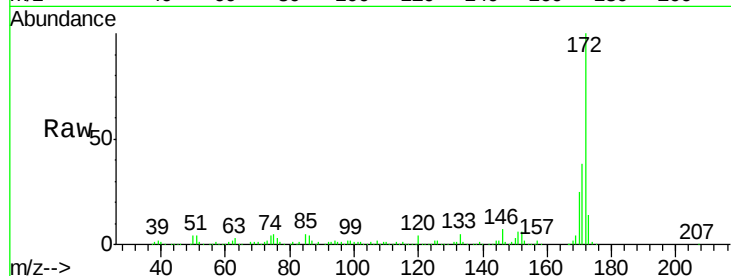




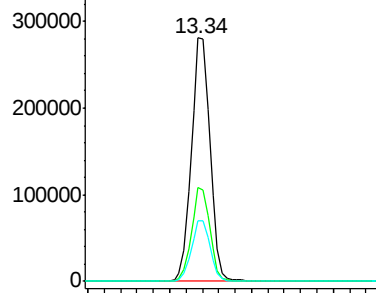
#45
2-Fluorobiphenyl
Concen: 52.019 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :

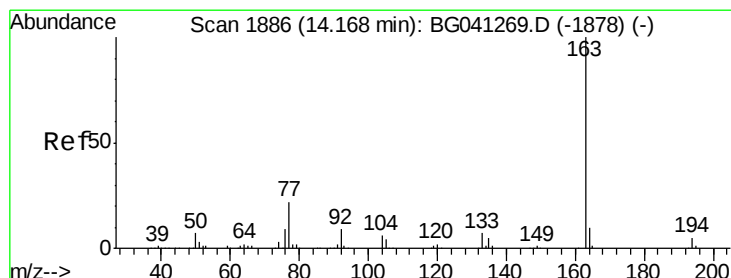
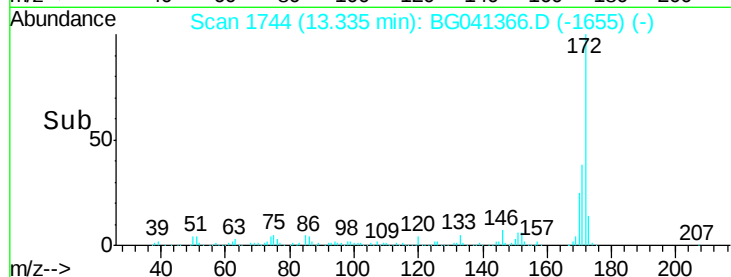
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.0	45.0
170	24.7	19.8	29.6



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

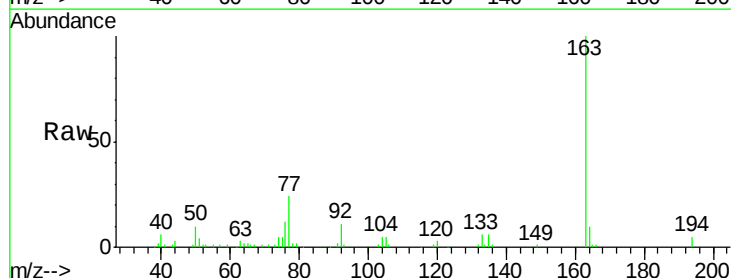


Time--> 13.20 13.30 13.40 13.50

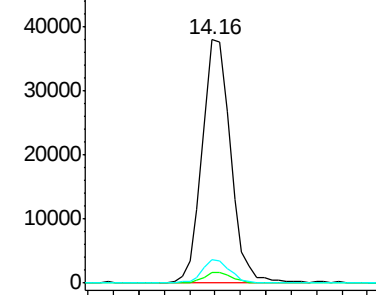


#50
Dimethylphthalate
Concen: 5.658 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

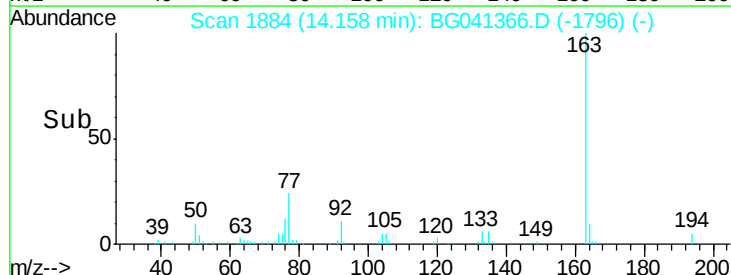
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.9	5.9
164	9.5	8.3	12.5

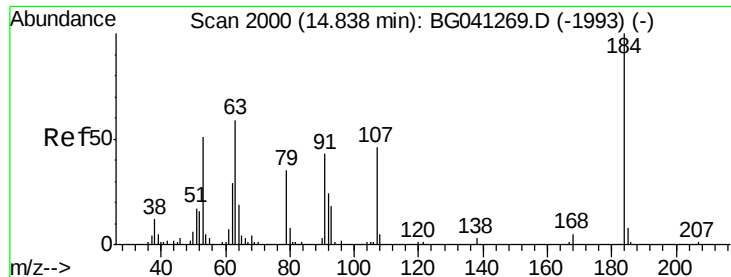


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time--> 14.10 14.20





#54

2,4-Dinitrophenol

Concen: 4.883 ng

RT: 15.03 min Scan# 2032

Delta R.T. 0.19 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

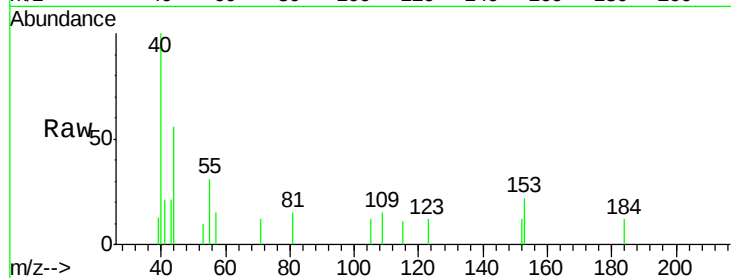
Tot Ion:184 Resp: 62

Ion Ratio Lower Upper

184 100

63 0.0 60.0 90.0#

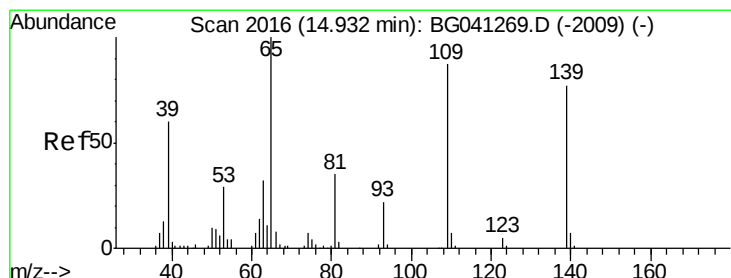
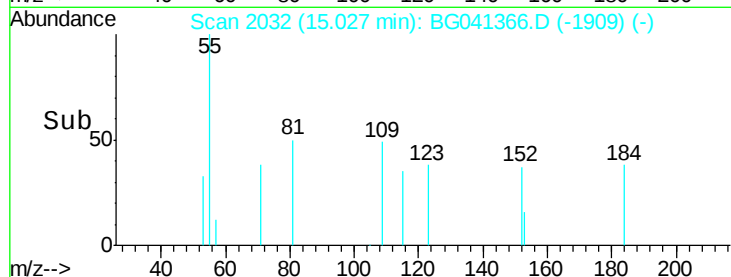
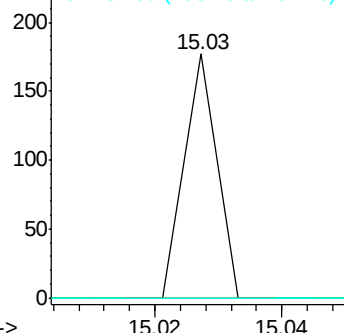
154 0.0 58.3 87.5#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 4.895 ng

RT: 15.12 min Scan# 2048

Delta R.T. 0.19 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

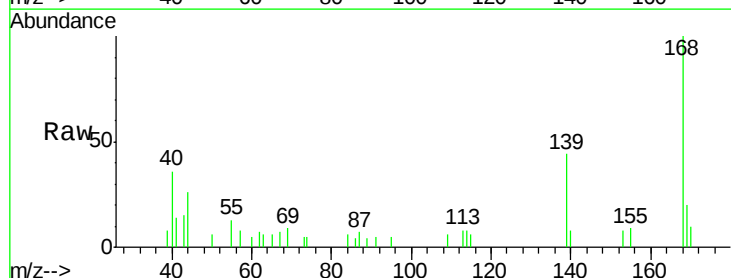
Tgt Ion:139 Resp: 2878

Ion Ratio Lower Upper

139 100

109 12.9 93.2 133.2#

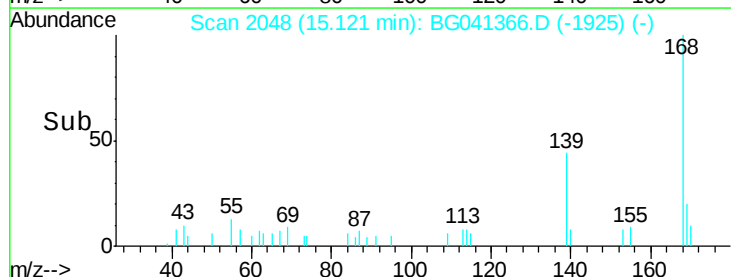
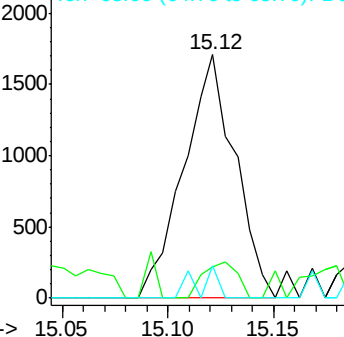
65 13.3 110.2 150.2#

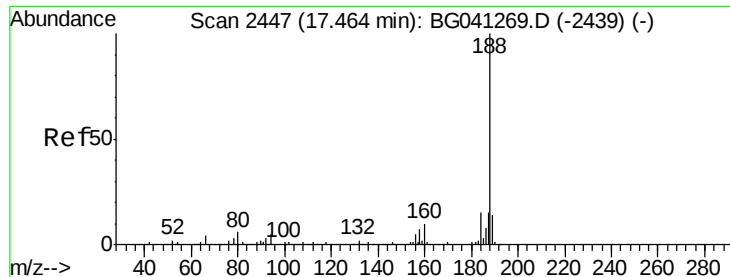


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

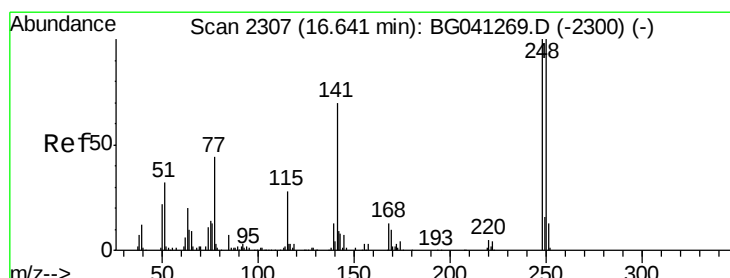
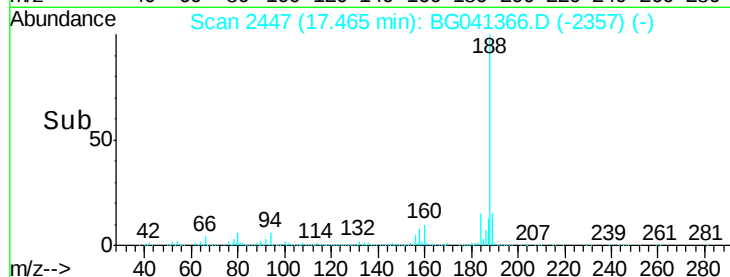
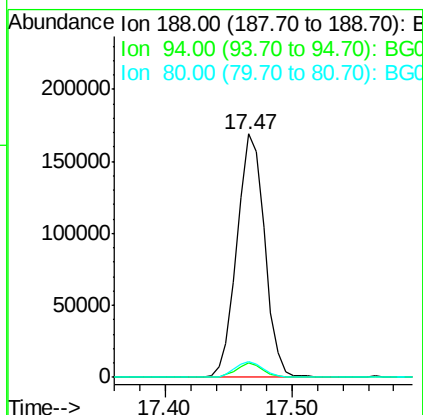
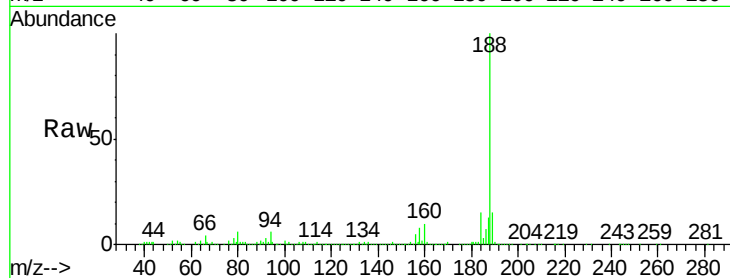




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

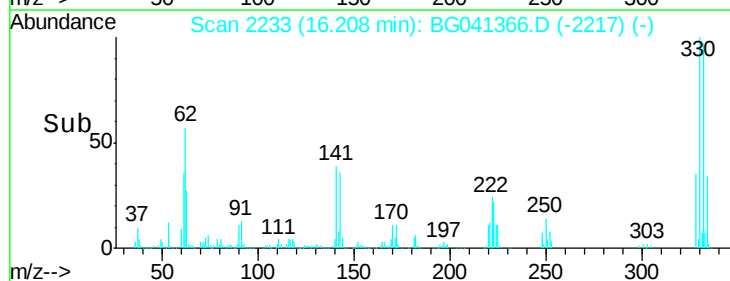
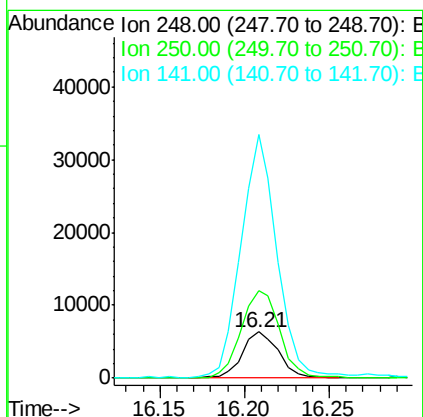
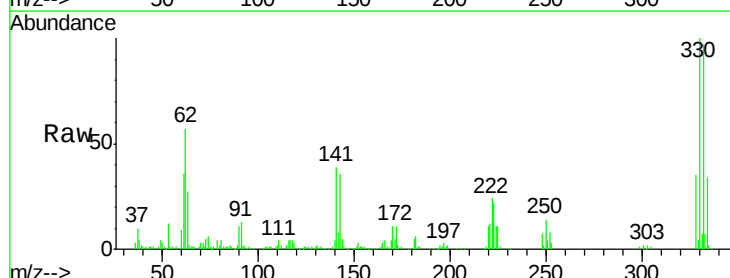
Instrument :
BNA_G
ClientSampleId :

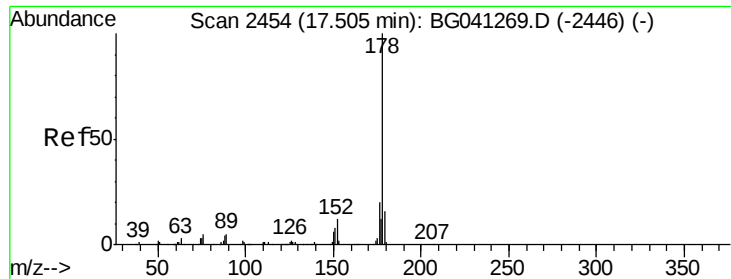
Tot Ion:188 Resp: 255103
Ion Ratio Lower Upper
188 100
94 5.9 3.6 5.4#
80 6.3 4.8 7.2



#67
4-Bromophenyl-phenylether
Concen: 2.871 ng
RT: 16.21 min Scan# 2233
Delta R.T. -0.43 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion:248 Resp: 9470
Ion Ratio Lower Upper
248 100
250 143.2 79.8 119.8#
141 396.1 55.8 83.6#





#71

Phenanthrene

Concen: 18.181 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

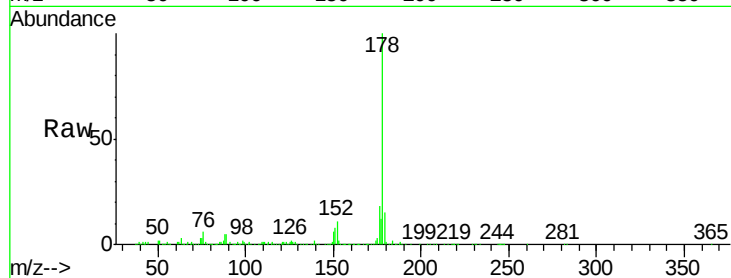
Tot Ion:178 Resp: 247357

Ion Ratio Lower Upper

178 100

176 18.4 16.1 24.1

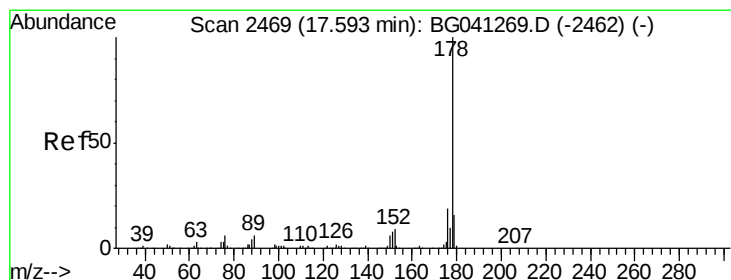
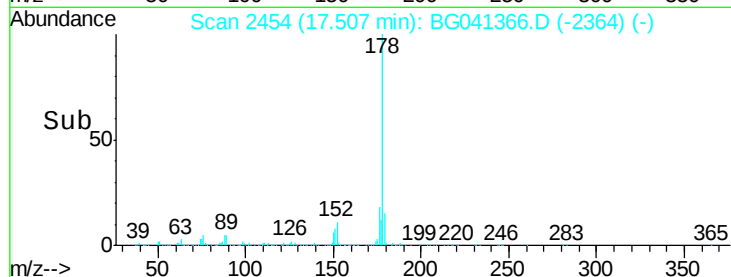
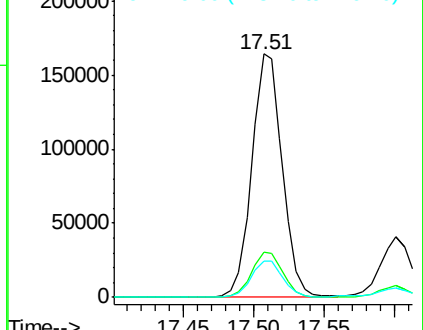
179 15.0 12.9 19.3



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



#72

Anthracene

Concen: 4.591 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

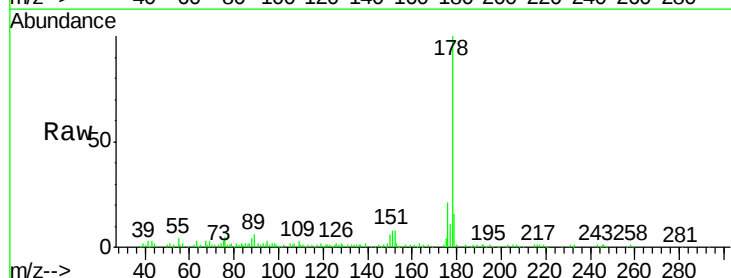
Tgt Ion:178 Resp: 61585

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.2

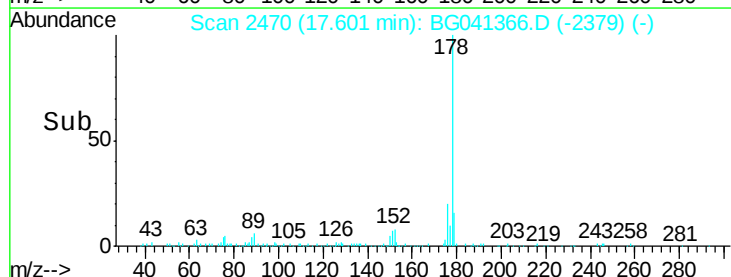
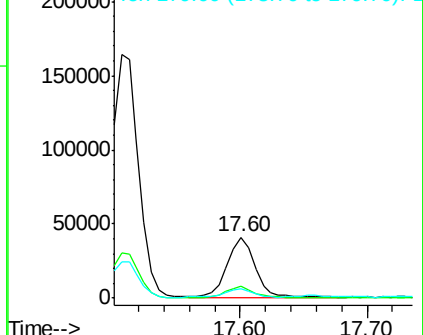
179 16.4 13.0 19.4

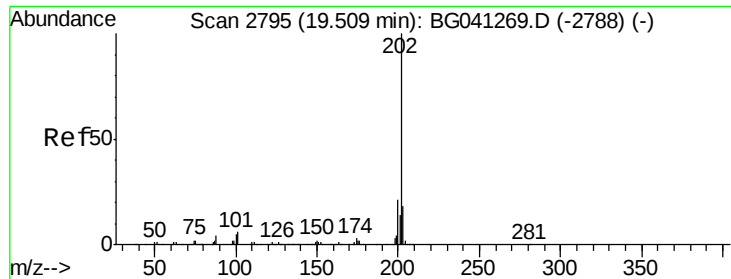


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 31.499 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

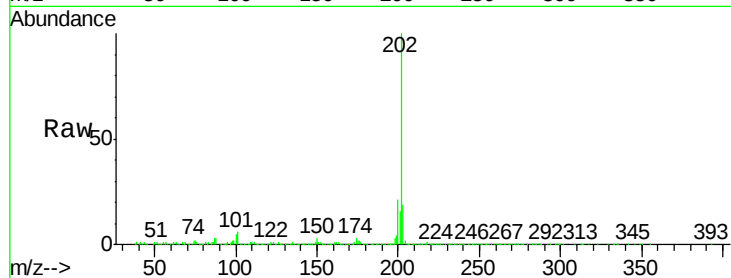
Tot Ion:202 Resp: 569359

Ion Ratio Lower Upper

202 100

101 5.8 0.0 26.0

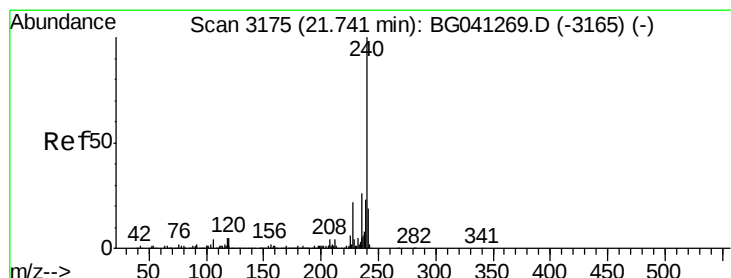
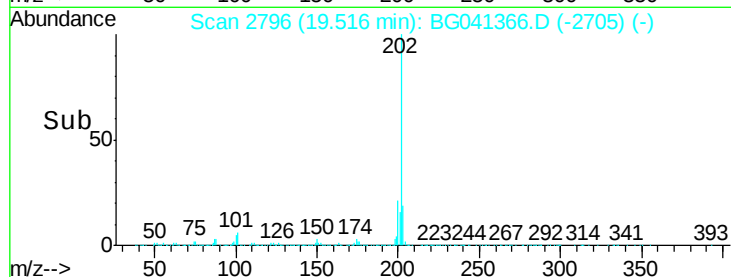
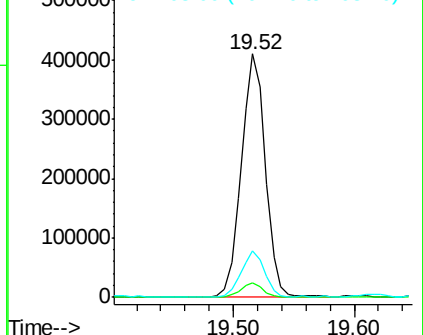
203 18.9 0.0 37.7



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# 3176

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

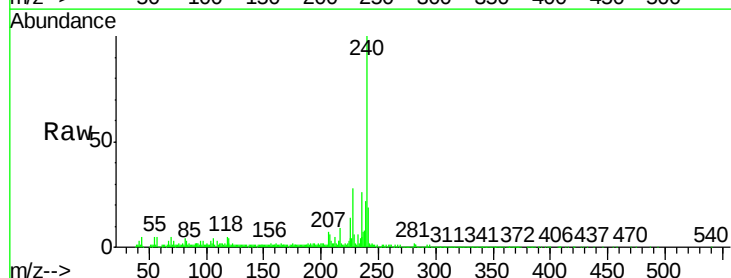
Tgt Ion:240 Resp: 236651

Ion Ratio Lower Upper

240 100

120 4.3 3.7 5.5

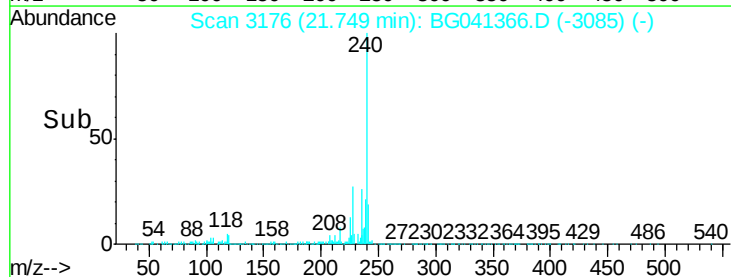
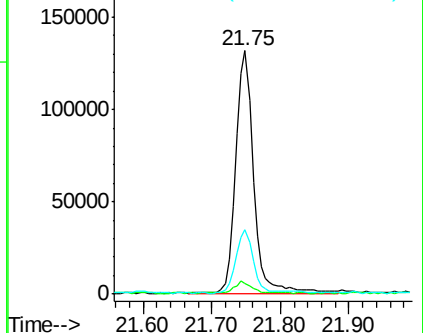
236 26.4 21.1 31.7

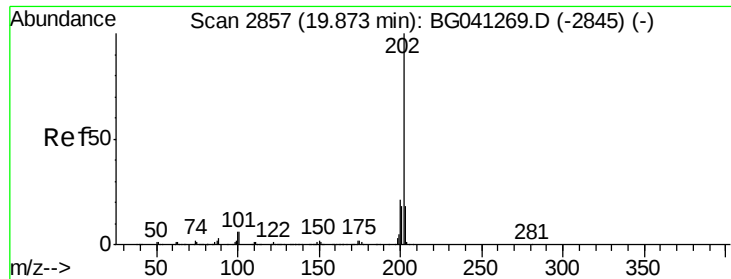


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

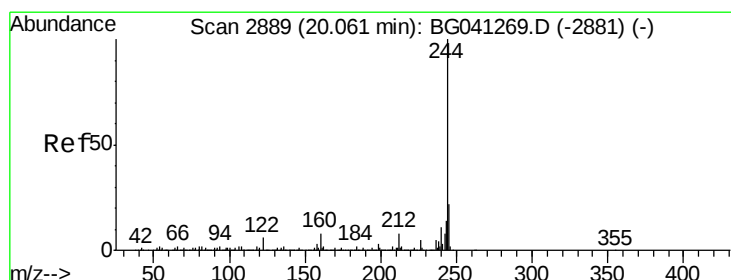
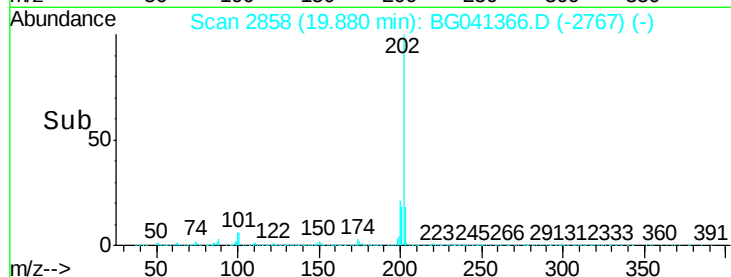
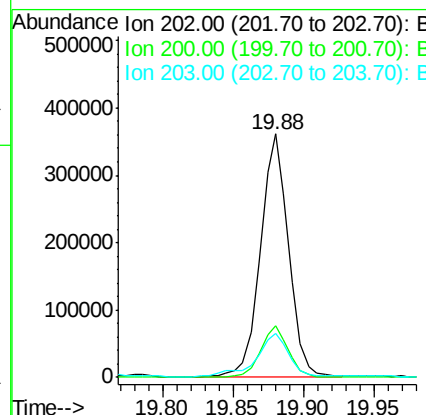
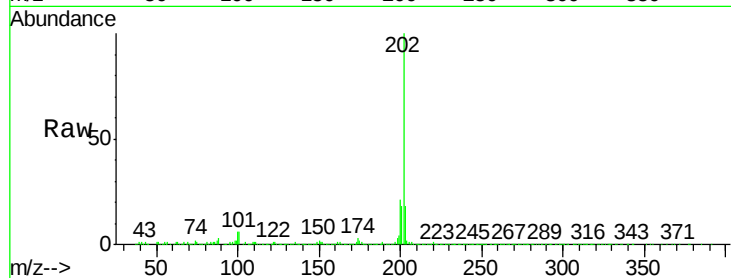




#78
Pvrene
Concen: 31.536 ng
RT: 19.88 min Scan# 2858
Delta R.T. 0.01 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

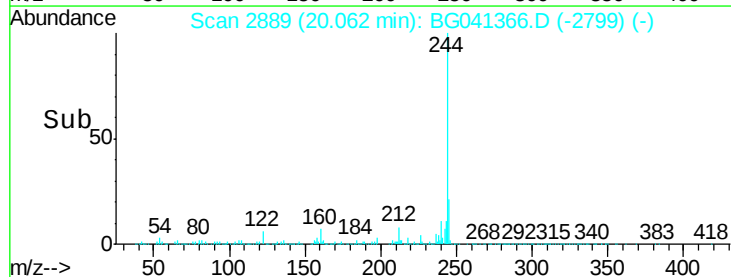
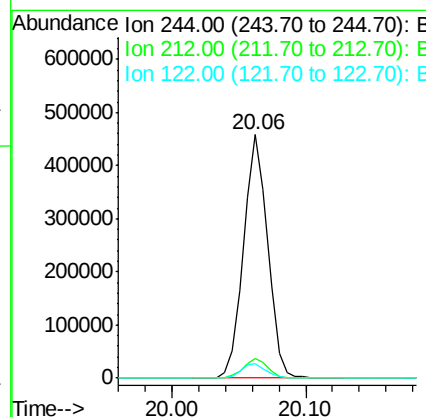
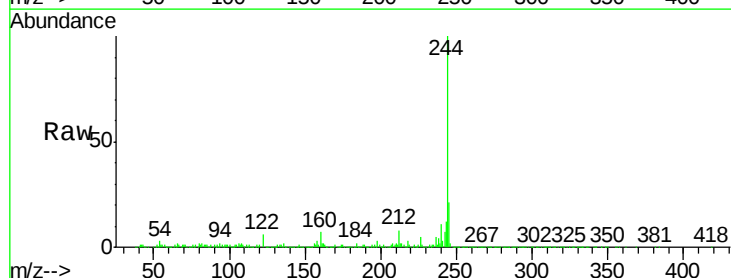
Instrument :
BNA_G
ClientSampleId :

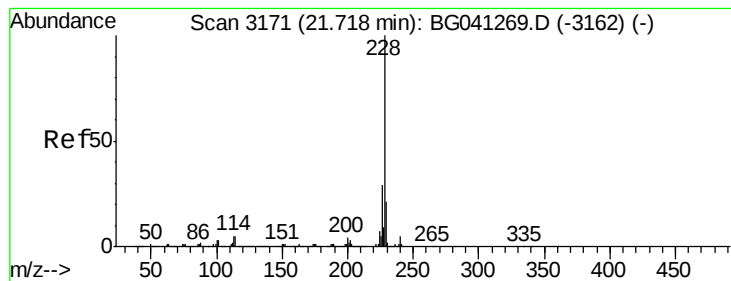
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.3	14.6	21.8



#79
Terphenyl-d14
Concen: 47.748 ng
RT: 20.06 min Scan# 2889
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	10.0
122	5.9	5.0	7.4





#81

Benzo(a)anthracene

Concen: 17.221 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

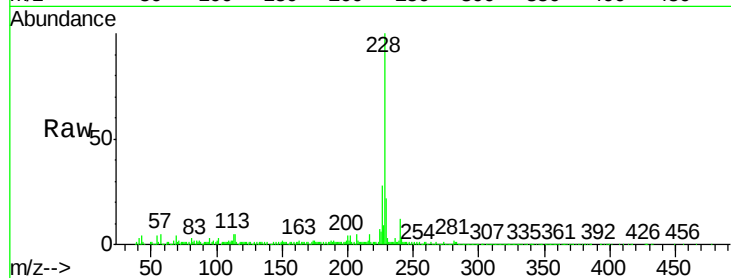
Tot Ion:228 Resp: 275931

Ion Ratio Lower Upper

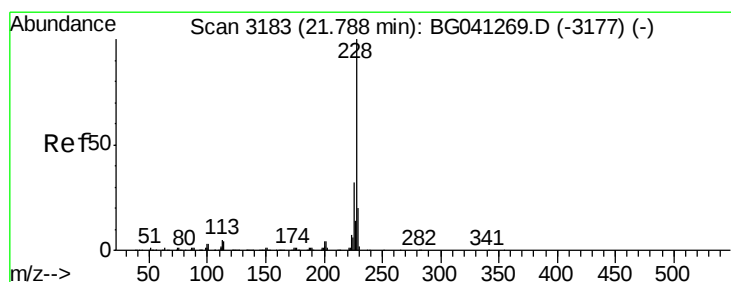
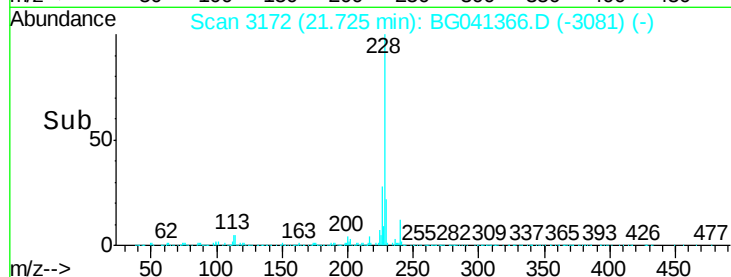
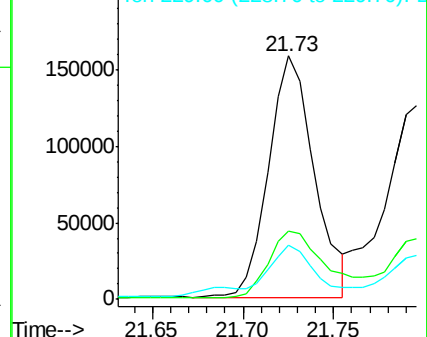
228 100

226 28.3 23.2 34.8

229 22.1 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: 16.590 ng

RT: 21.80 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

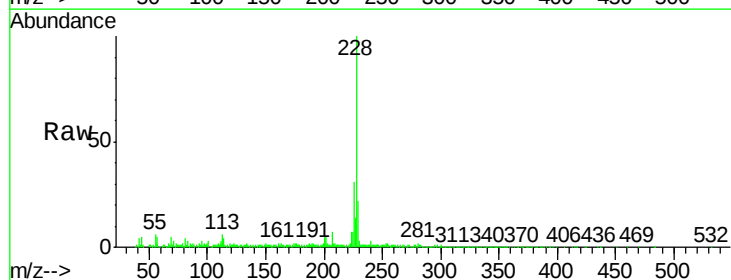
Tgt Ion:228 Resp: 255635

Ion Ratio Lower Upper

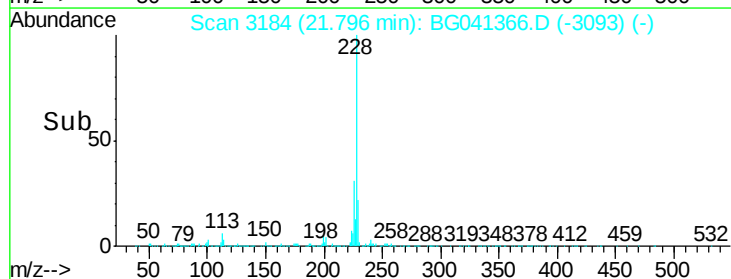
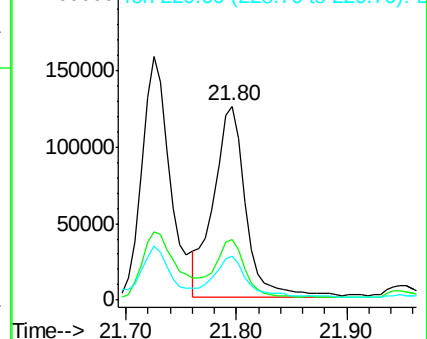
228 100

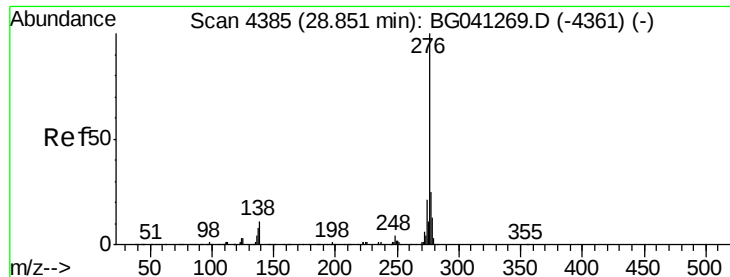
226 31.3 25.4 38.0

229 22.5 16.2 24.2



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





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.109 ng

RT: 28.89 min Scan# 4391

Delta R.T. 0.04 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

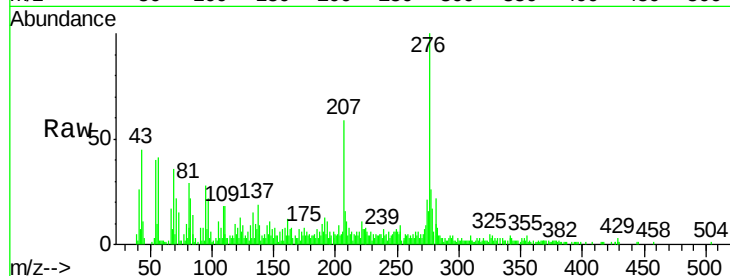
Tot Ion:276 Resp: 75116

Ion Ratio Lower Upper

276 100

138 7.4 7.7 11.5#

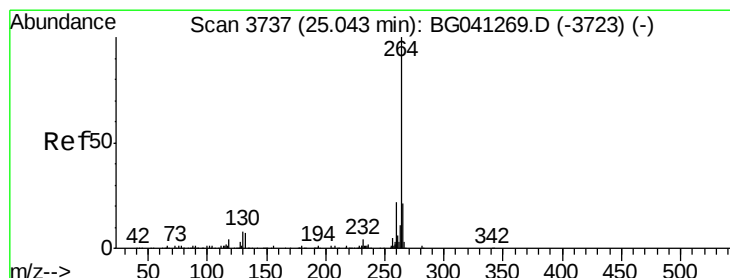
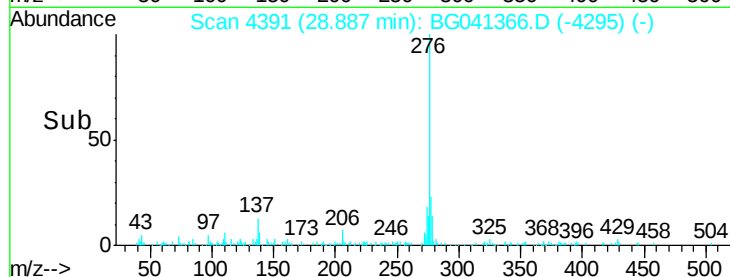
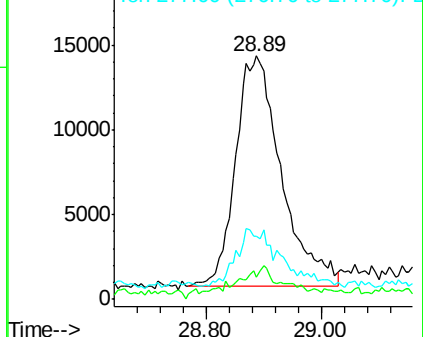
277 0.0 20.6 31.0#



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: 25.07 min Scan# 3742

Delta R.T. 0.03 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

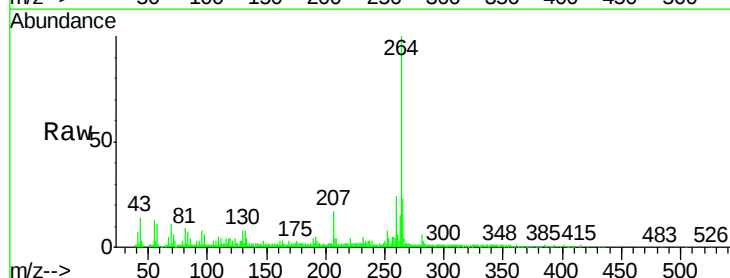
Tgt Ion:264 Resp: 185183

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.2

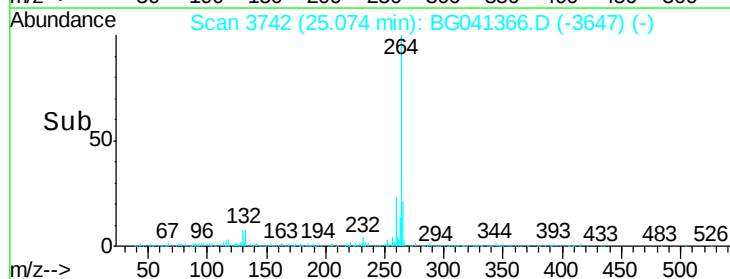
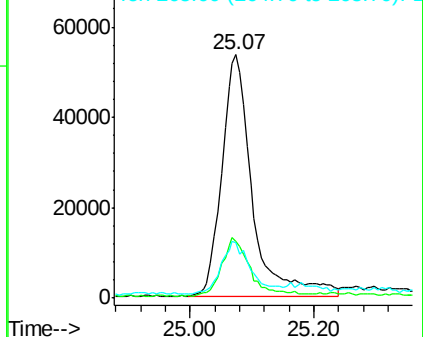
265 22.6 17.2 25.8

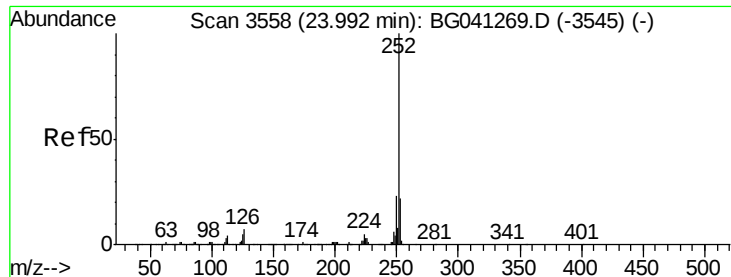


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 20.122 ng

RT: 24.01 min Scan# 3561

Delta R.T. 0.02 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

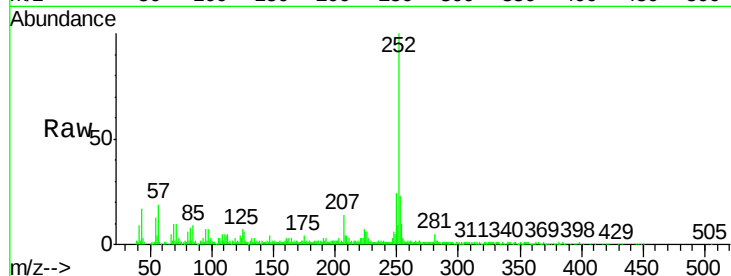
Tot Ion:252 Resp: 230932

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

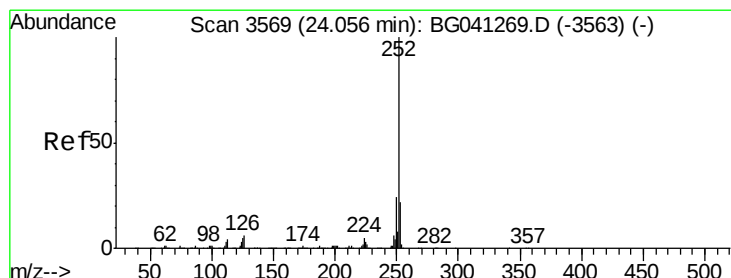
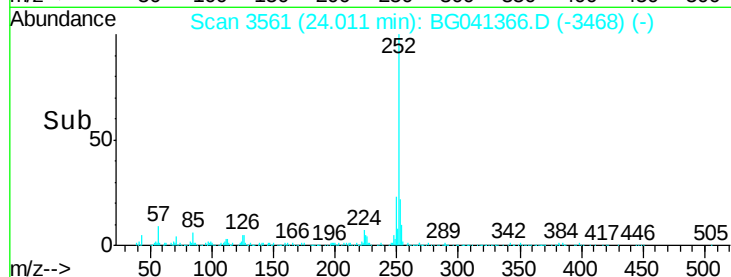
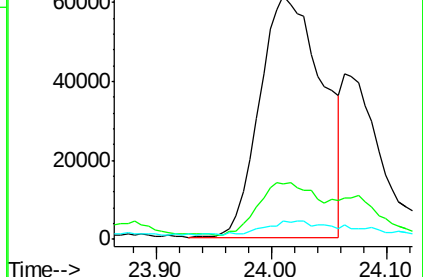
125 7.4 3.9 5.9#



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: 20.312 ng

RT: 24.01 min Scan# 3561

Delta R.T. -0.05 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

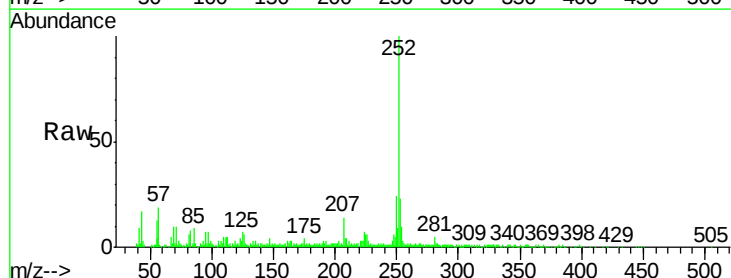
Tgt Ion:252 Resp: 230932

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

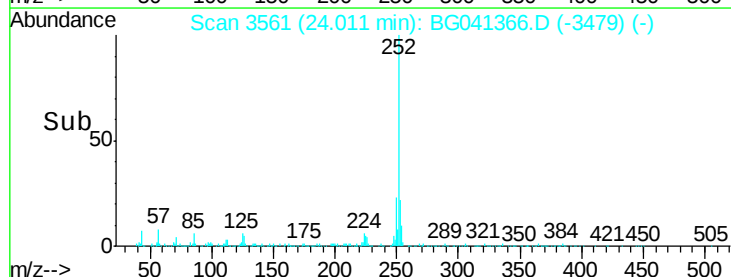
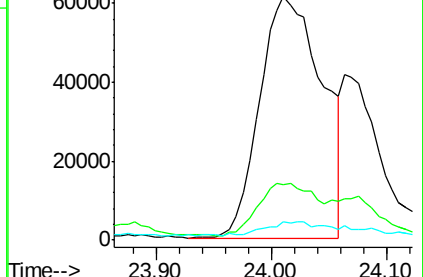
125 7.4 4.3 6.5#

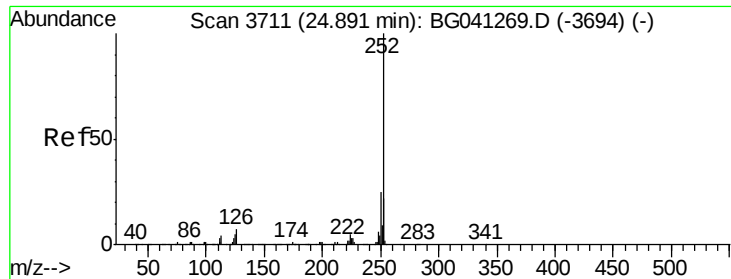


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.373 ng

RT: 24.92 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

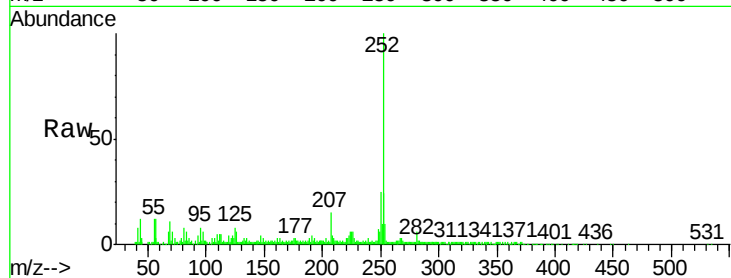
Tot Ion:252 Resp: 155781

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

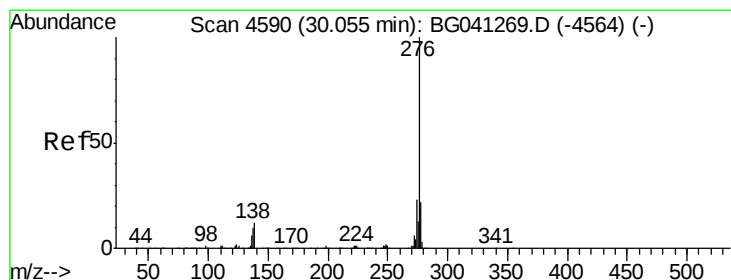
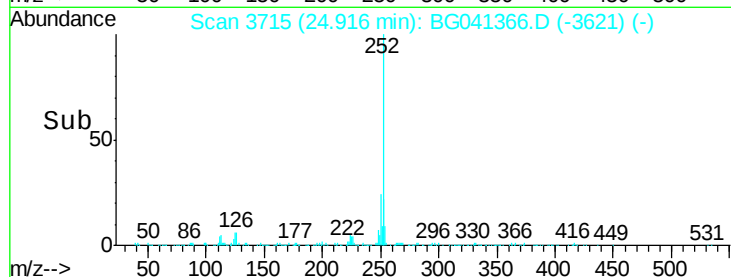
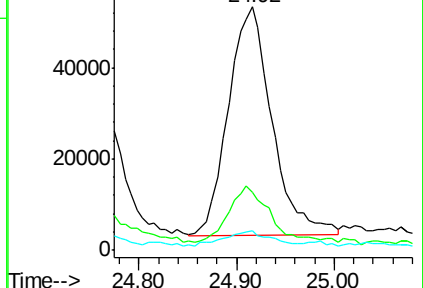
125 8.0 4.2 6.4#



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: 4.929 ng

RT: 30.09 min Scan# 4596

Delta R.T. 0.04 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

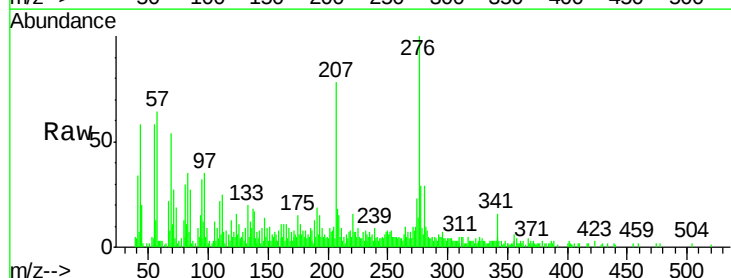
Tgt Ion:276 Resp: 53154

Ion Ratio Lower Upper

276 100

277 29.0 17.9 26.9#

138 21.1 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

