

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041439.D
 Acq On : 25 Jun 2019 2:17
 Operator : HP/JU
 Sample : K3499-04
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-4(8-9)

Quant Time: Jun 25 05:10:20 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

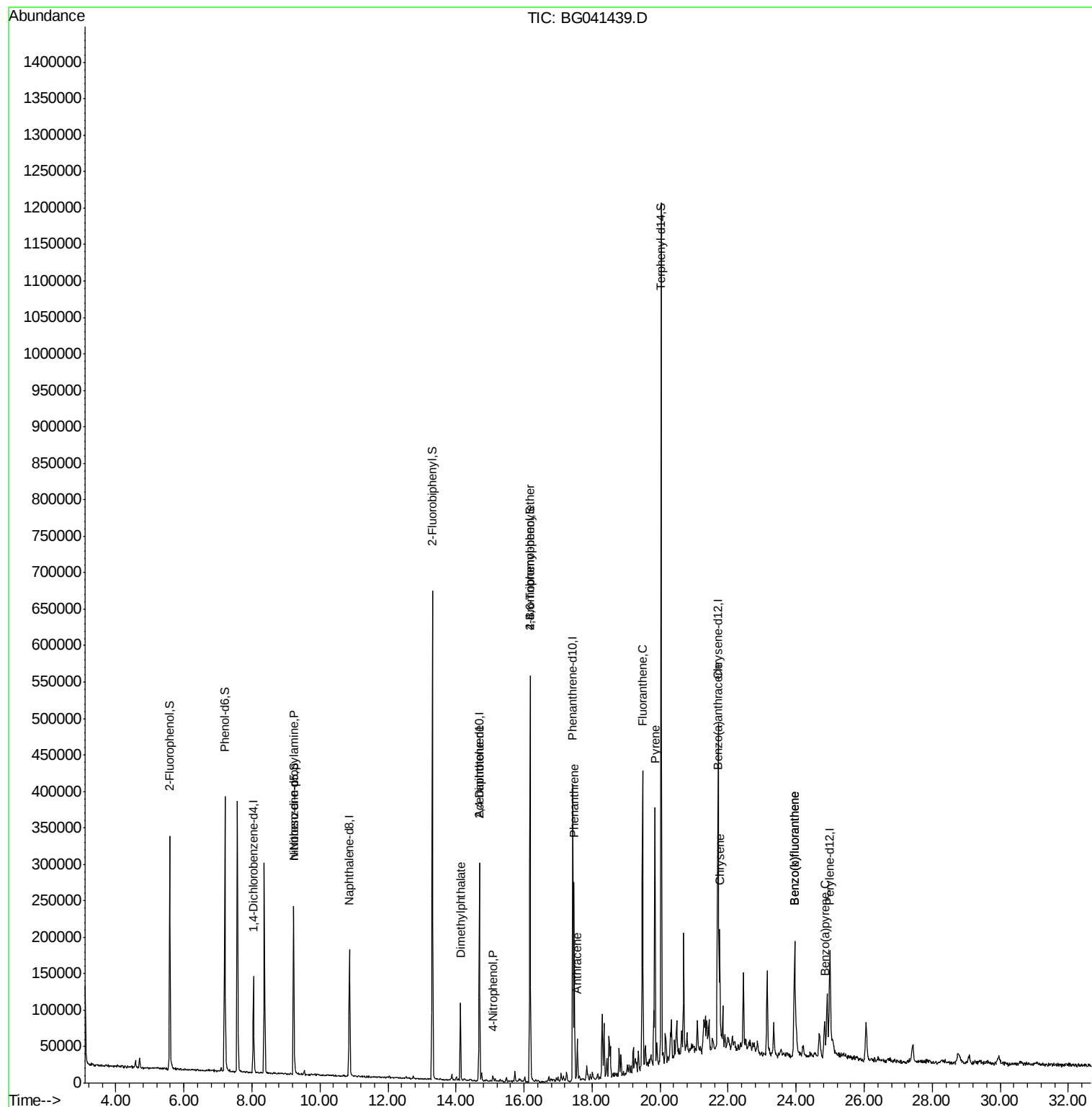
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	37394	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	151125	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	105960	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	252902	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	248241	20.00	ng	-0.04
87) Perylene-d12	24.99	264	200986	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	133358	65.53	ng	-0.04
7) Phenol-d6	7.20	99	207696	70.41	ng	-0.03
23) Nitrobenzene-d5	9.22	82	151324	42.11	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	106924	65.73	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	353560	45.35	ng	-0.03
79) Terphenyl-d14	20.03	244	567697	45.32	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	21683	9.088	ng	Qvalue # 78
50) Dimethylphthalate	14.13	163	70993	7.530	ng	98
56) 4-Nitrophenol	15.09	139	2278	4.685	ng	# 1
57) 2,4-Dinitrotoluene	14.68	165	14194	4.885	ng	# 21
67) 4-Bromophenyl-phenylether	16.17	248	7643	2.337	ng	# 1
71) Phenanthrene	17.47	178	178775	13.254	ng	98
72) Anthracene	17.57	178	40289	3.030	ng	98
75) Fluoranthene	19.48	202	276257	15.417	ng	98
78) Pyrene	19.85	202	250886	14.986	ng	100
81) Benzo(a)anthracene	21.69	228	127001	7.556	ng	98
83) Chrysene	21.75	228	113680	7.033	ng	97
88) Benzo(b)fluoranthene	23.94	252	97444	7.823	ng	# 89
89) Benzo(k)fluoranthene	23.94	252	97444	7.897	ng	# 91
90) Benzo(a)pyrene	24.84	252	66143	5.623	ng	100

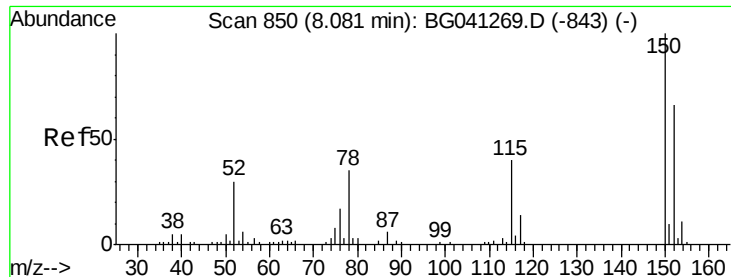
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
Data File : BG041439.D
Acq On : 25 Jun 2019 2:17
Operator : HP/JU
Sample : K3499-04
Misc : MDL-WATER-8.0PPM
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Quant Time: Jun 25 05:10:20 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



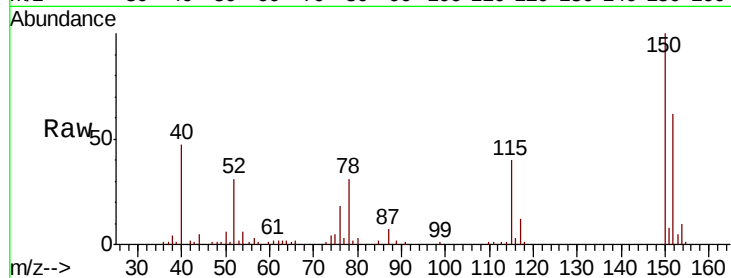


#1

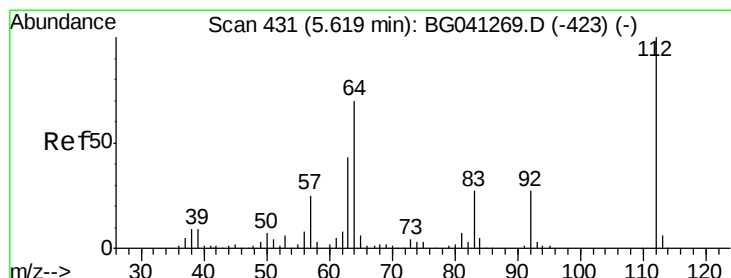
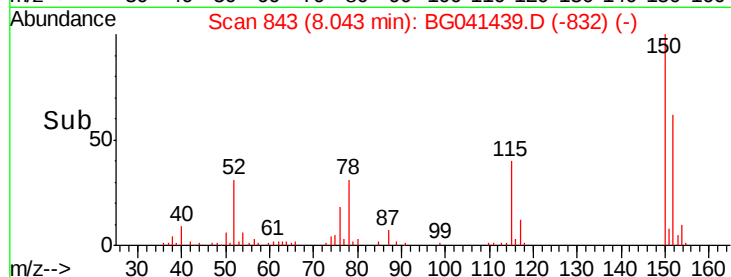
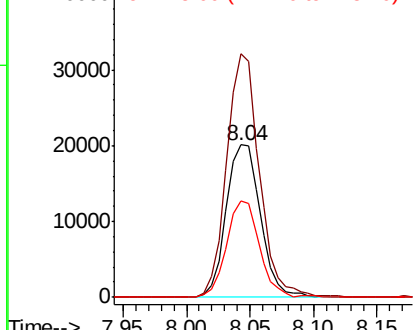
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tgt Ion:152 Resp: 37394
Ion Ratio Lower Upper
152 100
150 160.0 120.6 181.0
115 63.3 47.9 71.9



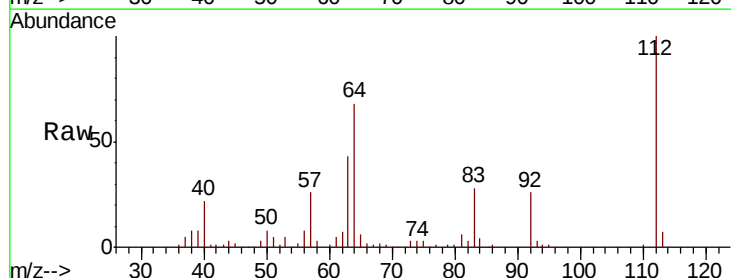
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



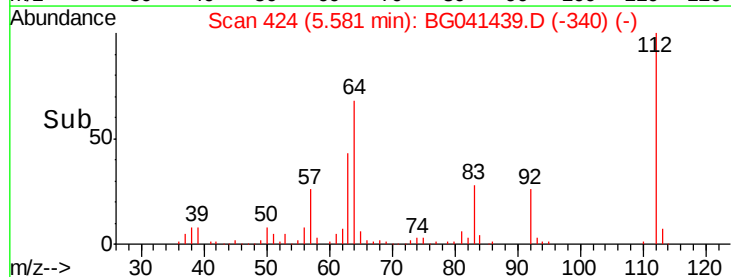
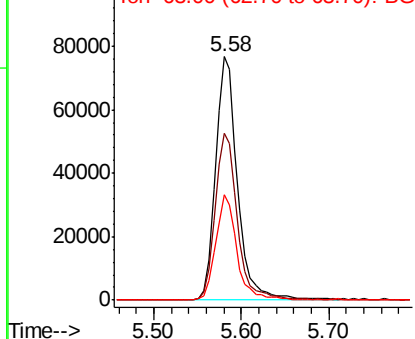
#5

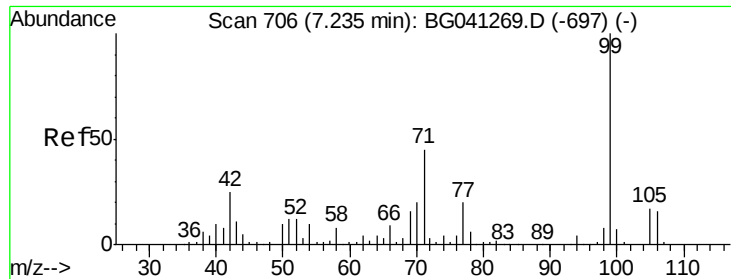
2-Fluorophenol
Concen: 65.528 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion:112 Resp: 133358
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 43.1 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: 70.406 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

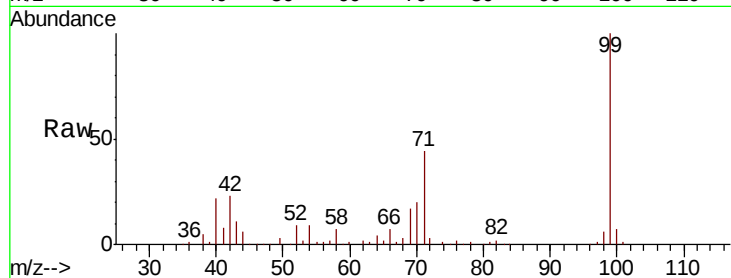
Tgt Ion: 99 Resp: 207696

Ion Ratio Lower Upper

99 100

42 23.5 19.9 29.9

71 44.5 36.4 54.6

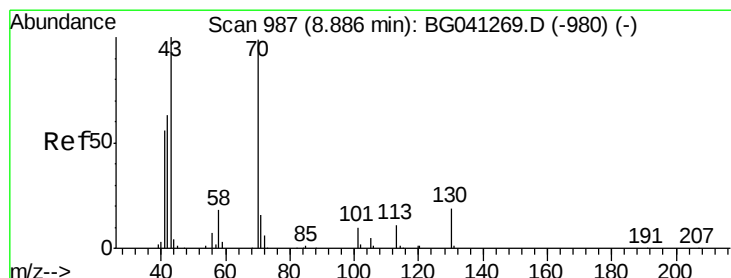
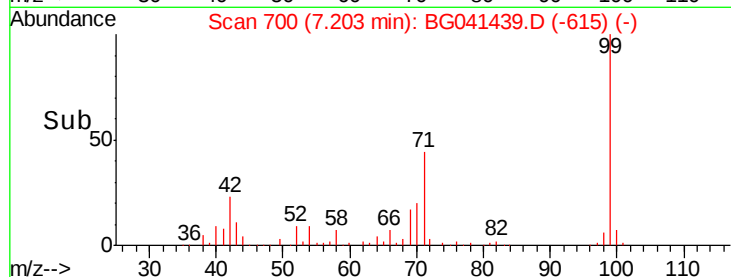
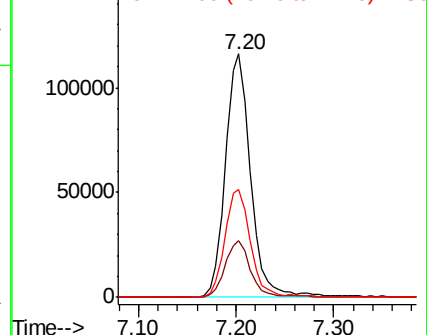


Abundance

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: 9.088 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.34 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Tgt Ion: 70 Resp: 21683

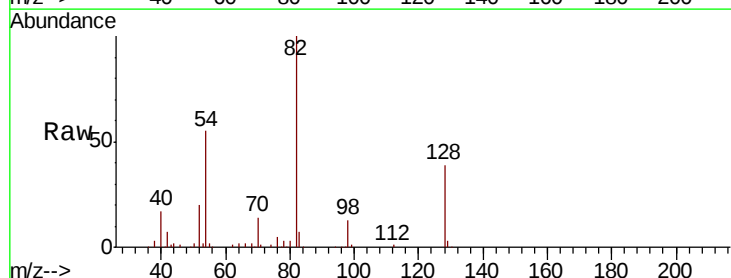
Ion Ratio Lower Upper

70 100

42 51.0 51.4 77.2#

101 0.0 8.2 12.2#

130 2.2 15.2 22.8#



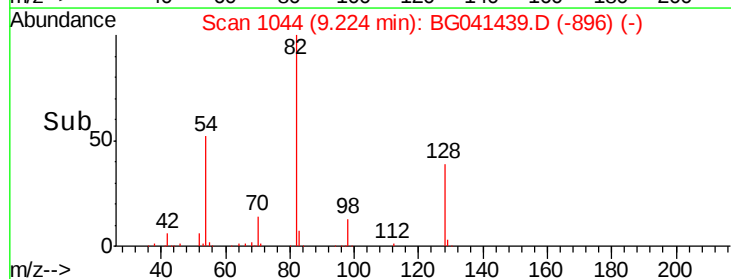
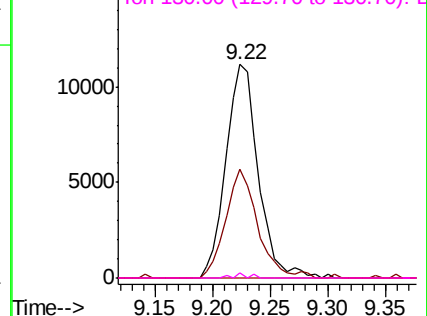
Abundance

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

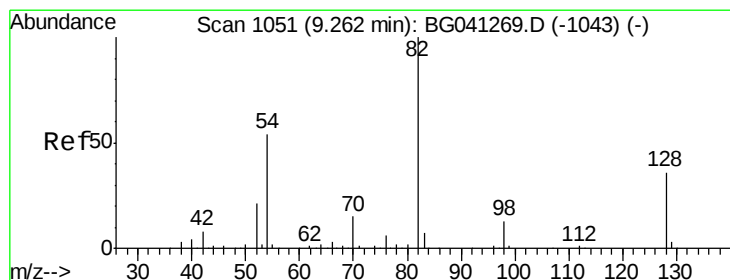
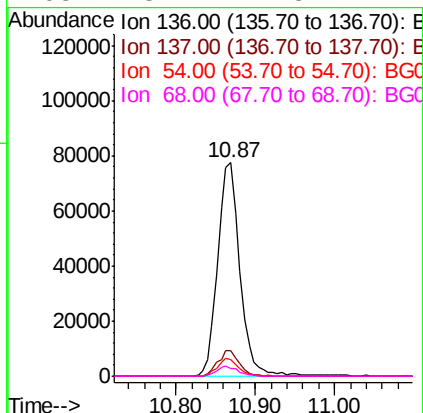
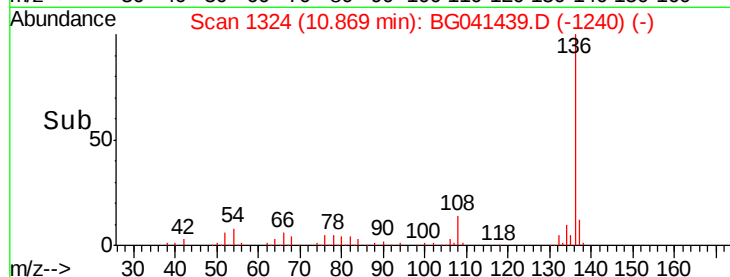
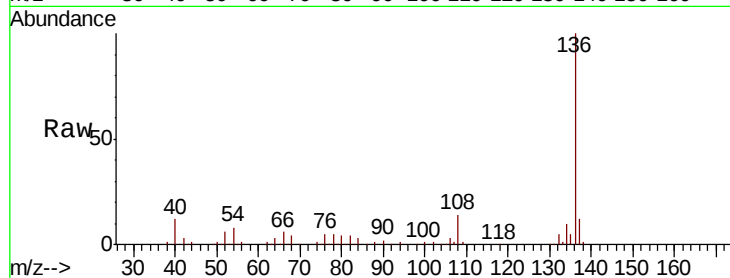




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

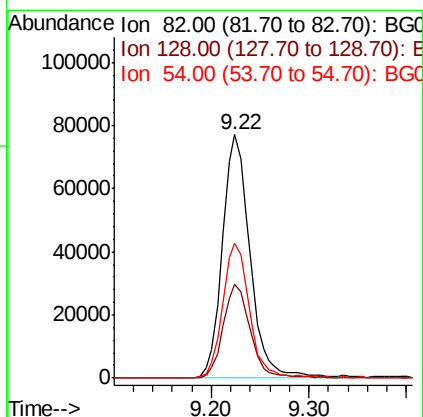
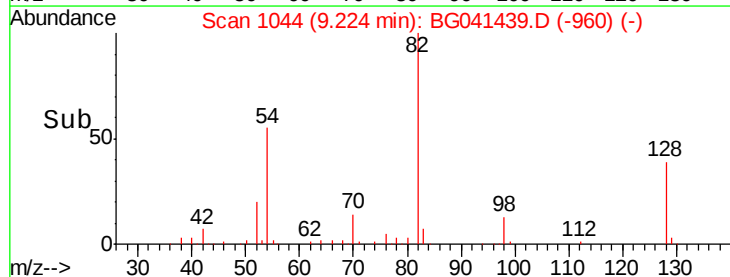
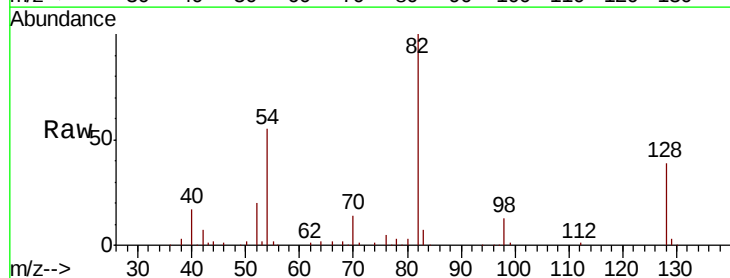
Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

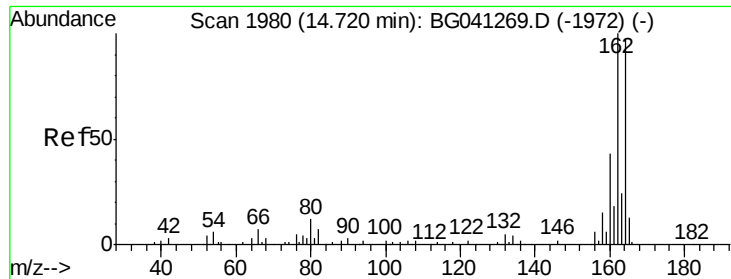
Tgt Ion:	136	Resp:	151125
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	7.8	6.4	9.6
68	3.7	4.8	7.2#



#23
Nitrobenzene-d5
Concen: 42.112 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion:	82	Resp:	151324
Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.2	43.8
54	55.3	43.4	65.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

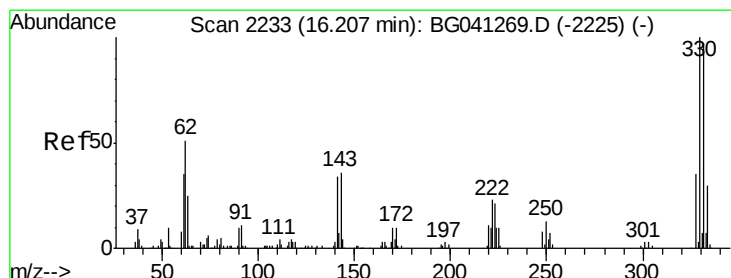
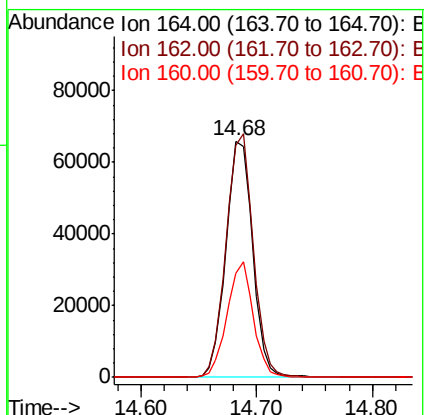
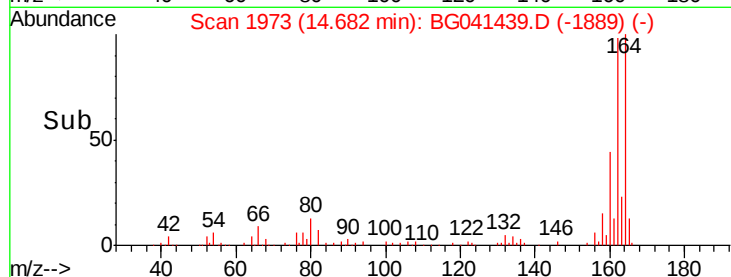
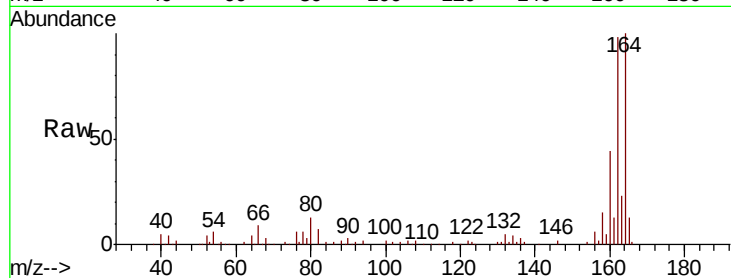
Tgt Ion:164 Resp: 105960

Ion Ratio Lower Upper

164 100

162 98.0 82.8 124.2

160 43.7 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 65.730 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

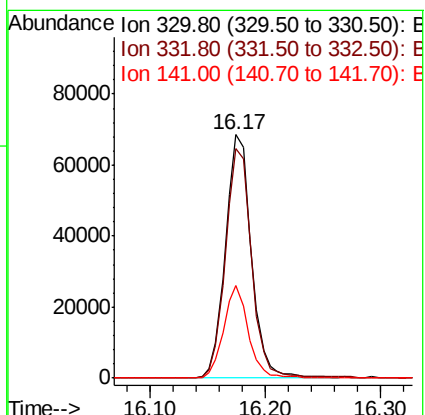
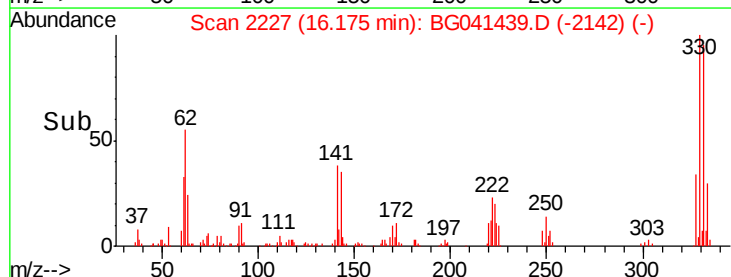
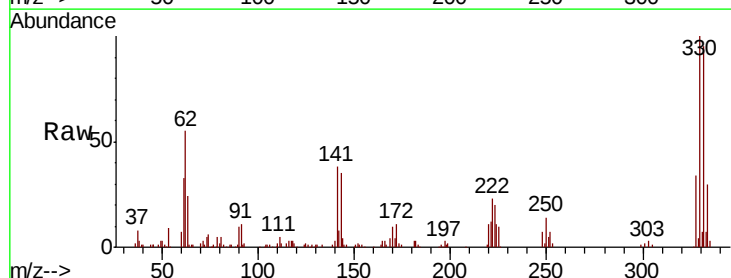
Tgt Ion:330 Resp: 106924

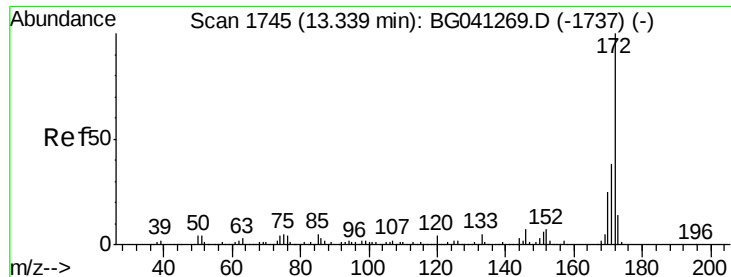
Ion Ratio Lower Upper

330 100

332 95.5 75.5 113.3

141 35.8 29.0 43.4

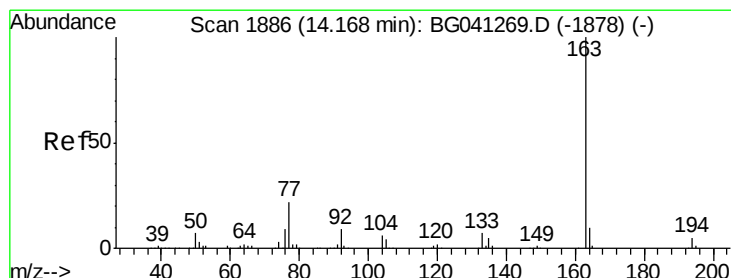
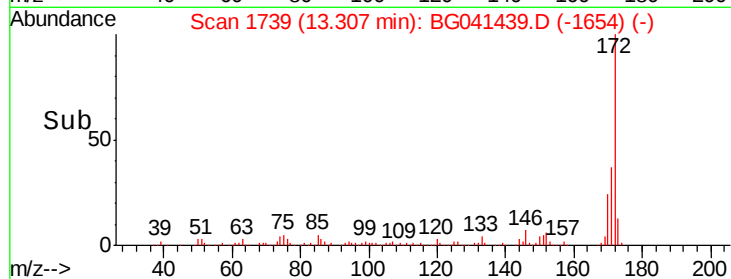
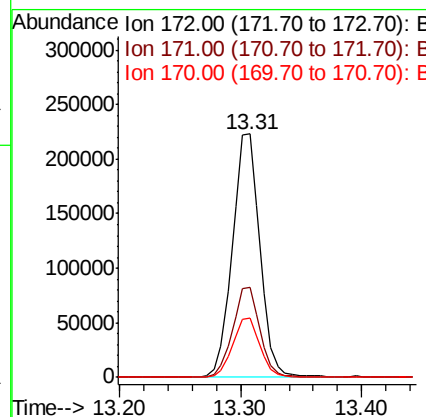
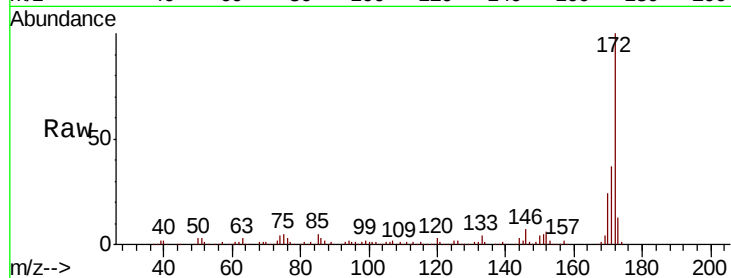




#45
2-Fluorobiphenyl
Concen: 45.351 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

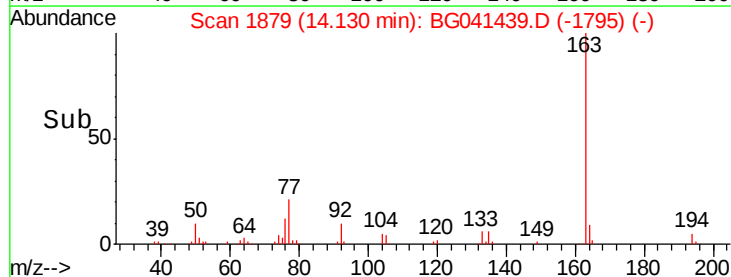
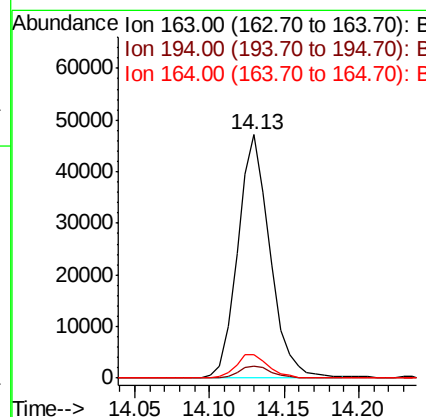
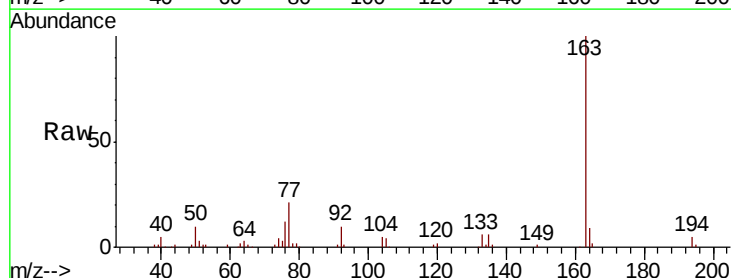
Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

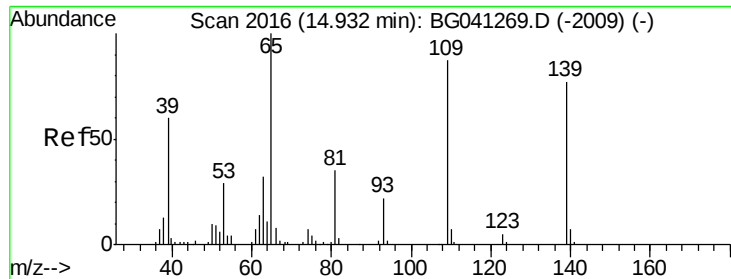
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.0	45.0
170	24.4	19.8	29.6



#50
Dimethylphthalate
Concen: 7.530 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.9	5.9
164	9.5	8.3	12.5

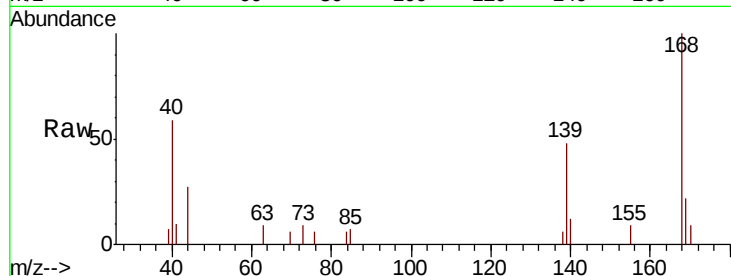




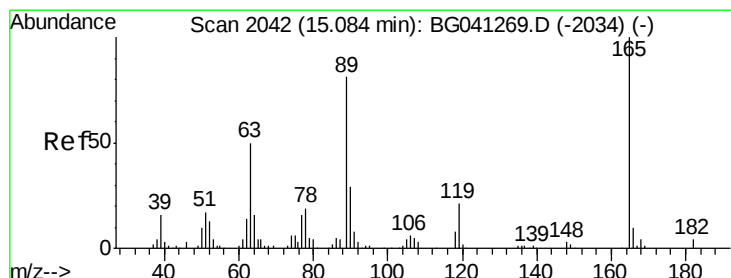
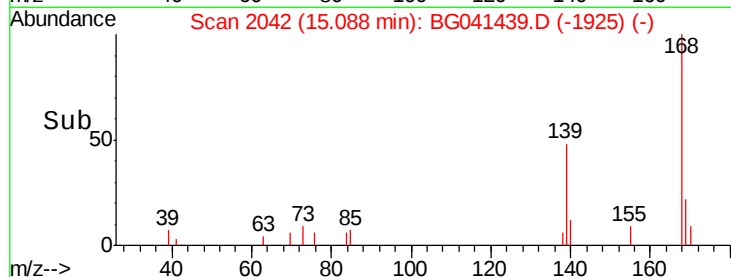
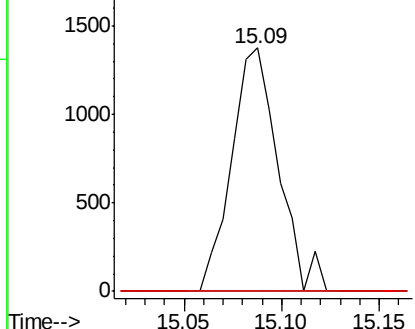
#56
4-Nitrophenol
Concen: 4.685 ng
RT: 15.09 min Scan# 2042
Delta R.T. 0.16 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tgt Ion:139 Resp: 2278
Ion Ratio Lower Upper
139 100
109 0.0 93.2 133.2#
65 0.0 110.2 150.2#

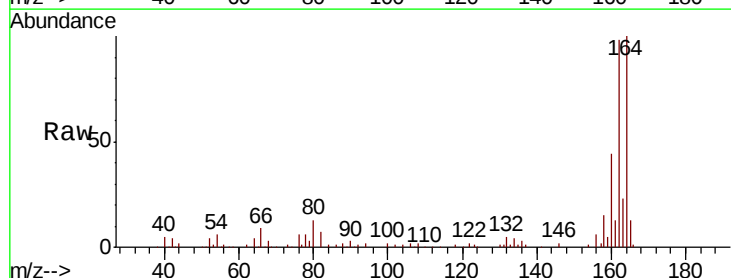


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

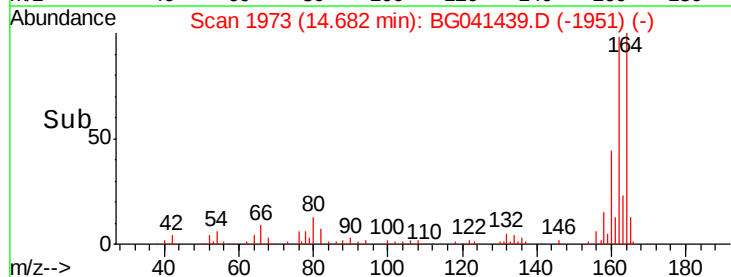
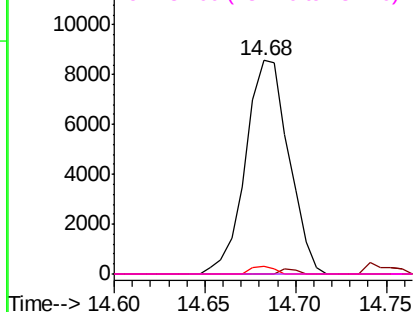


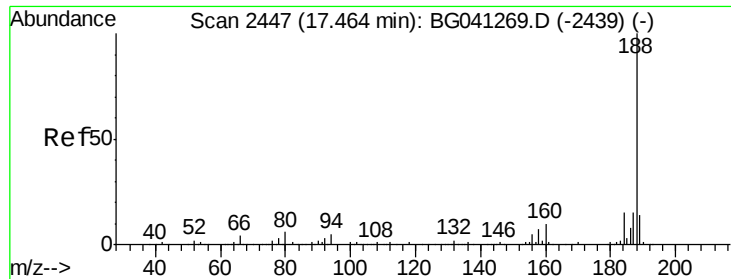
#57
2,4-Dinitrotoluene
Concen: 4.885 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.40 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion:165 Resp: 14194
Ion Ratio Lower Upper
165 100
63 0.0 40.0 60.0#
89 3.8 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: 17.43 min Scan# 2441

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

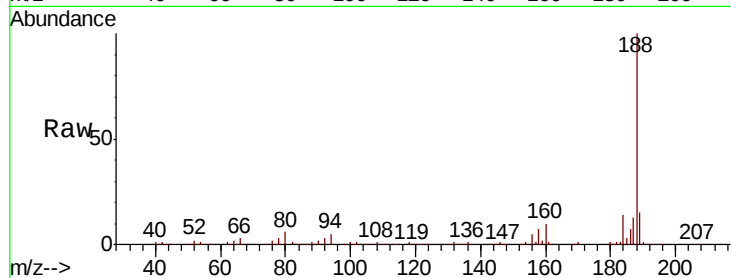
Tgt Ion:188 Resp: 252902

Ion Ratio Lower Upper

188 100

94 5.3 3.6 5.4

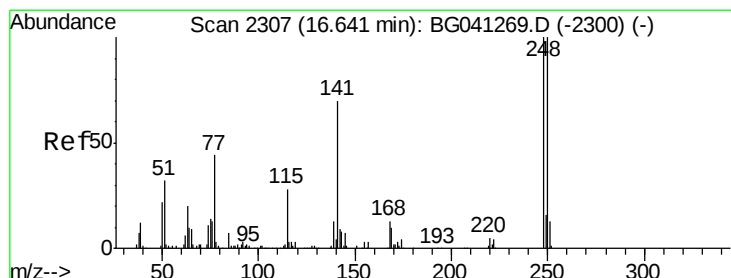
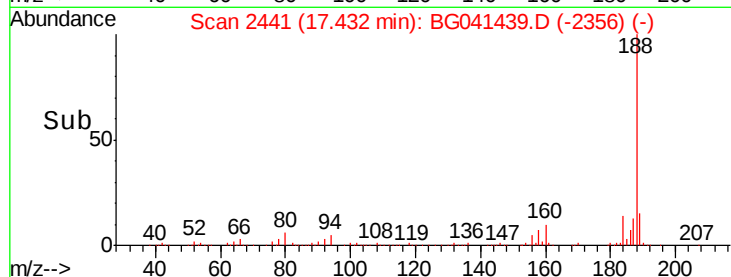
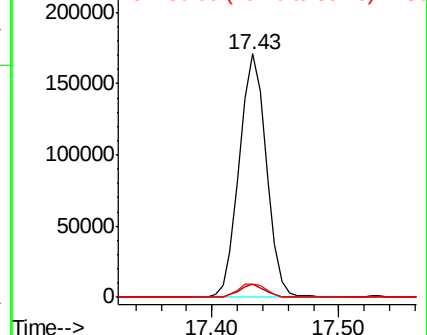
80 5.7 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 2.337 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.47 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

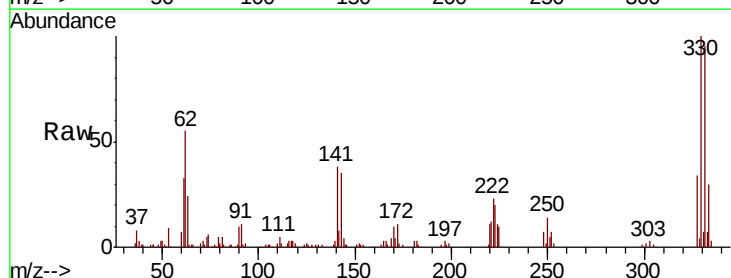
Tgt Ion:248 Resp: 7643

Ion Ratio Lower Upper

248 100

250 199.5 79.8 119.8#

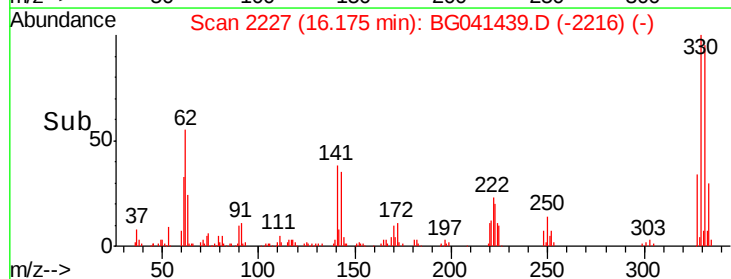
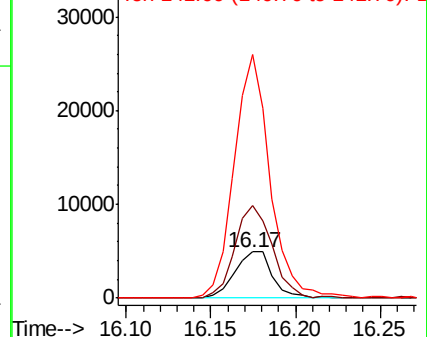
141 527.8 55.8 83.6#

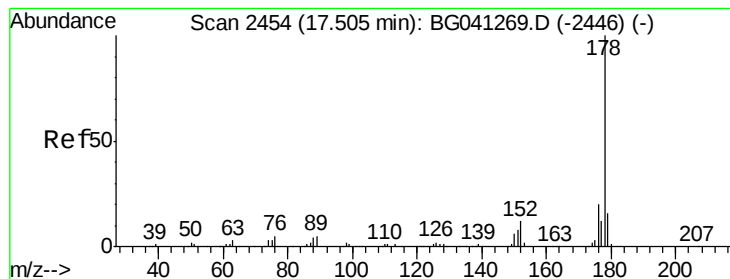


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 13.254 ng

RT: 17.47 min Scan# 2448

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

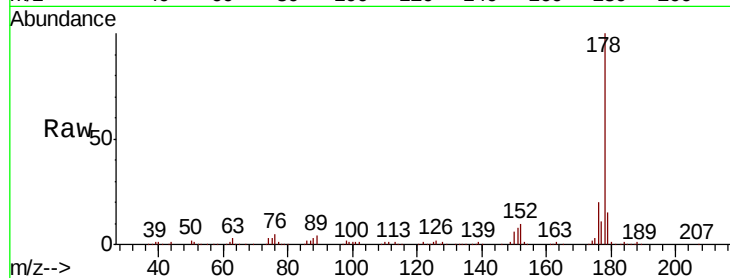
Tgt Ion:178 Resp: 178775

Ion Ratio Lower Upper

178 100

176 19.6 16.1 24.1

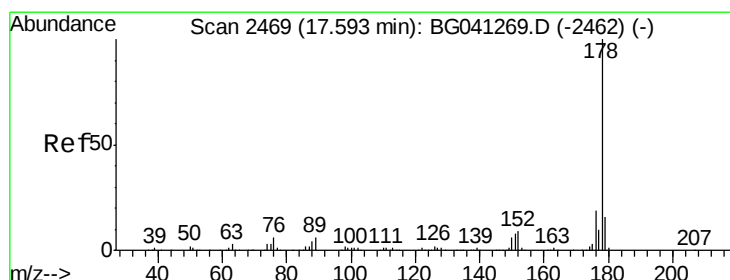
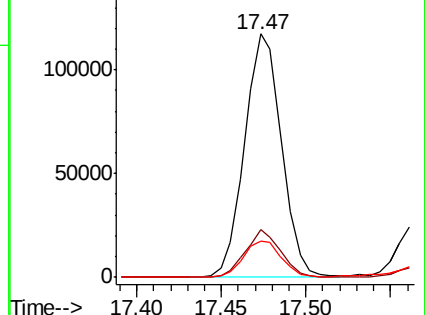
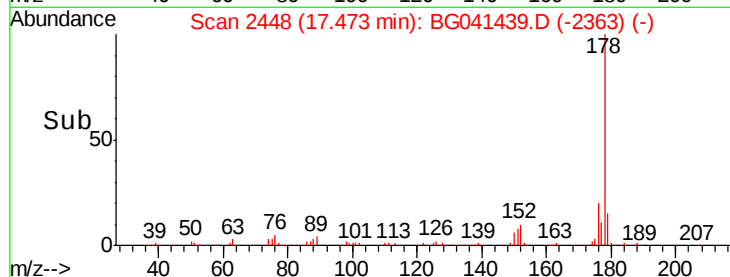
179 14.7 12.9 19.3



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: 3.030 ng

RT: 17.57 min Scan# 2464

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

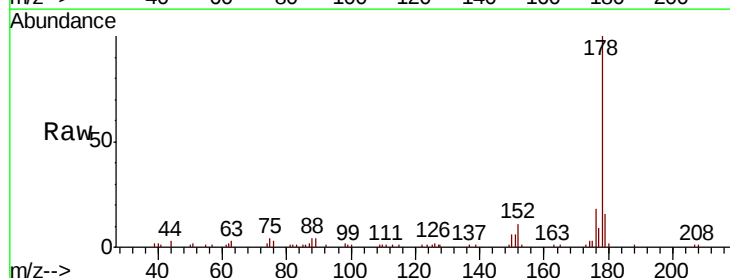
Tgt Ion:178 Resp: 40289

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

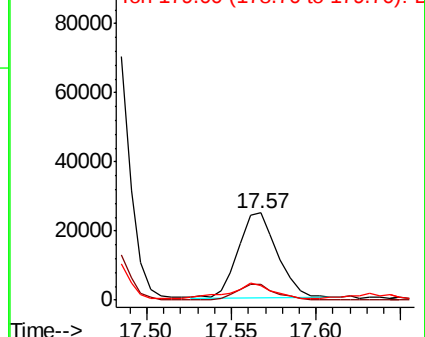
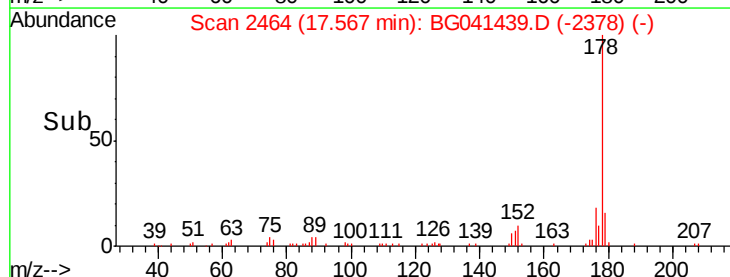
179 15.9 13.0 19.4

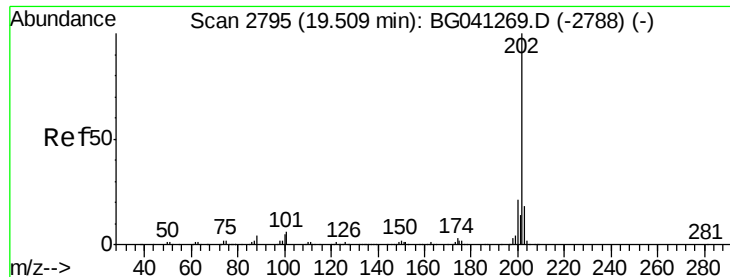


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.417 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampled :

B-4(8-9)

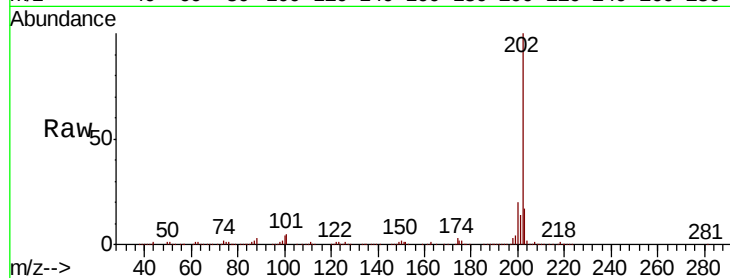
Tgt Ion: 202 Resp: 276257

Ion Ratio Lower Upper

202 100

101 5.2 0.0 26.0

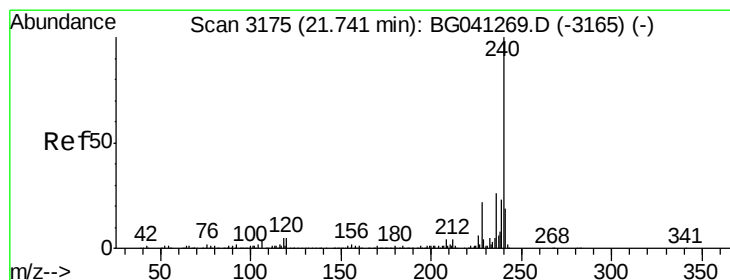
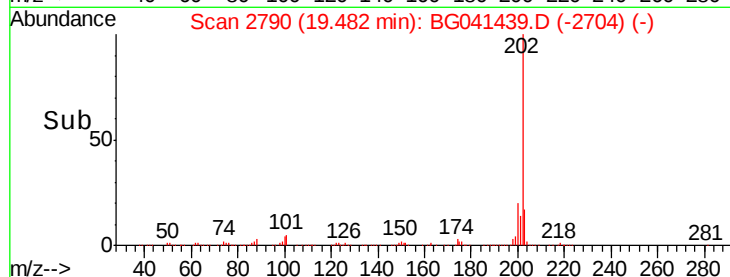
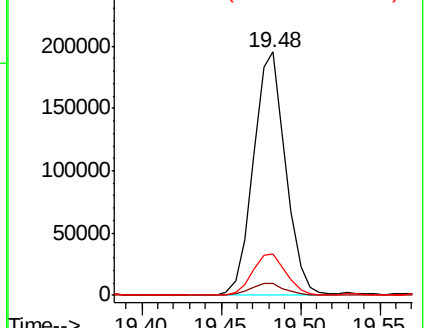
203 17.1 0.0 37.7



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: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

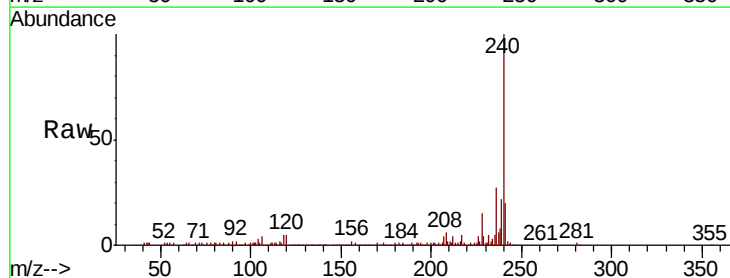
Tgt Ion: 240 Resp: 248241

Ion Ratio Lower Upper

240 100

120 4.5 3.7 5.5

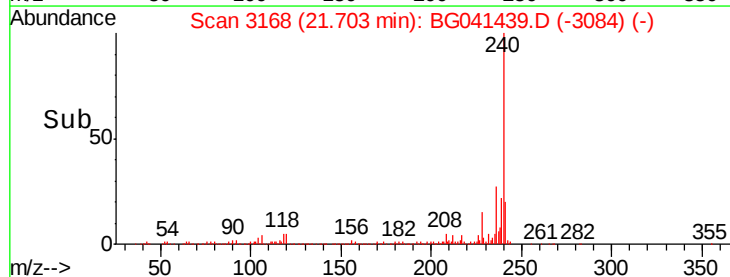
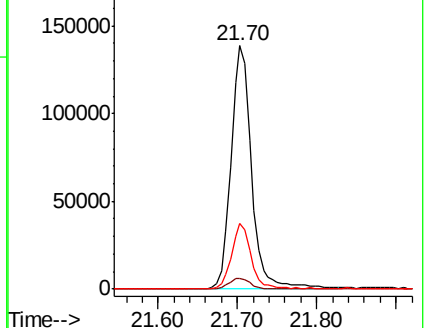
236 27.1 21.1 31.7

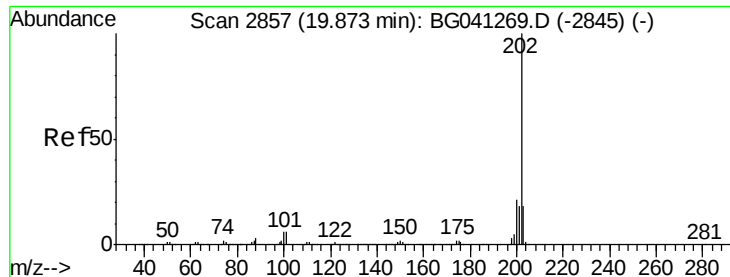


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 14.986 ng

RT: 19.85 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

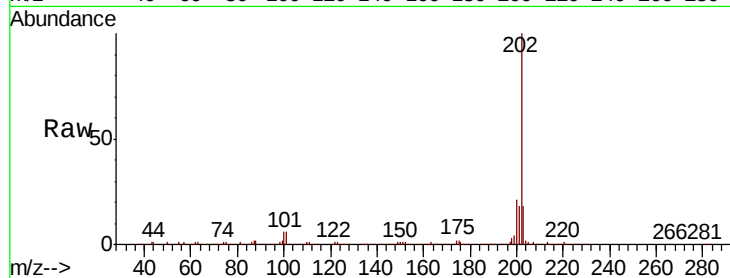
Tgt Ion:202 Resp: 250886

Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

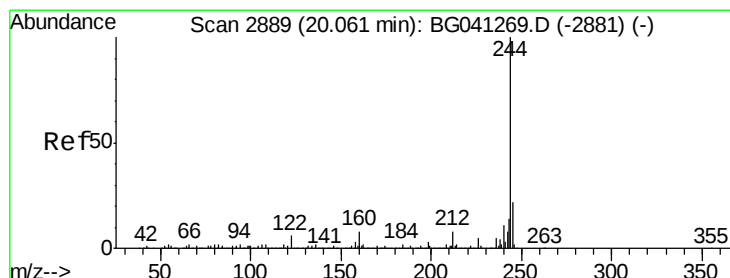
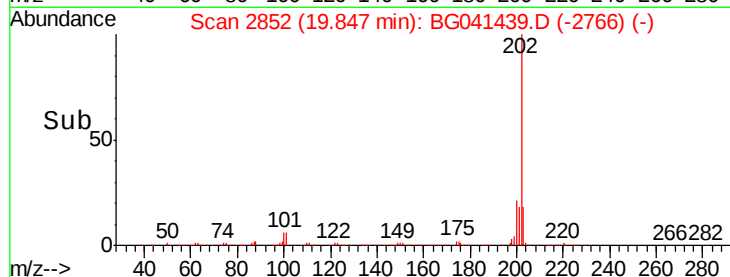
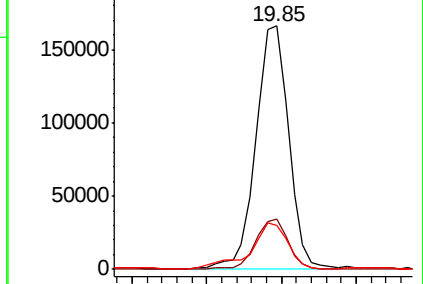
203 18.1 14.6 21.8



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: 45.321 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

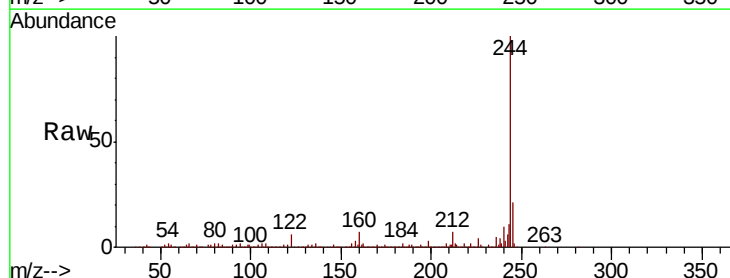
Tgt Ion:244 Resp: 567697

Ion Ratio Lower Upper

244 100

212 7.5 6.6 10.0

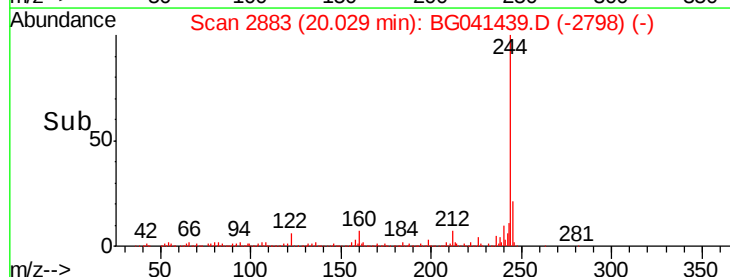
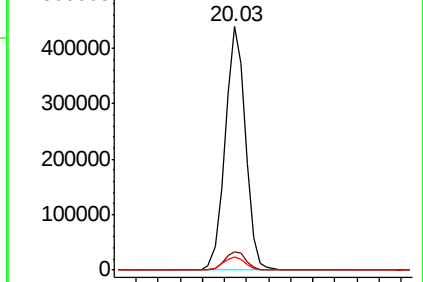
122 5.6 5.0 7.4

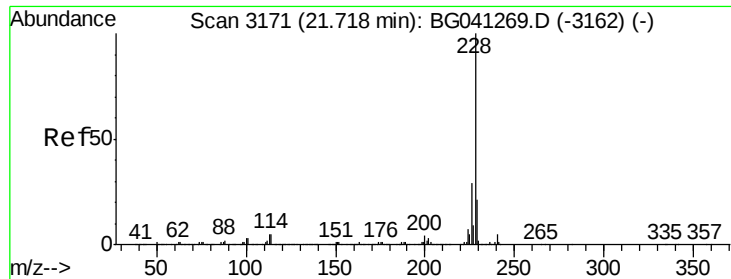


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

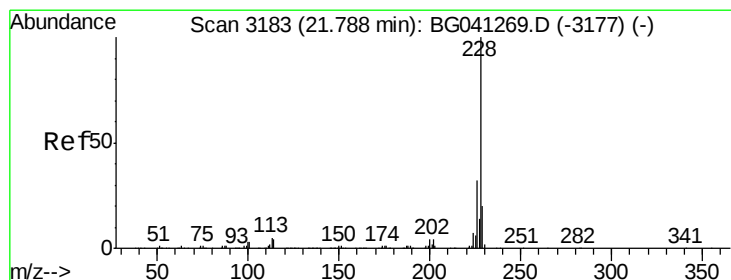
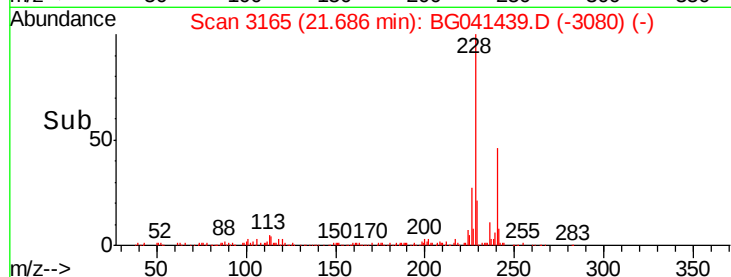
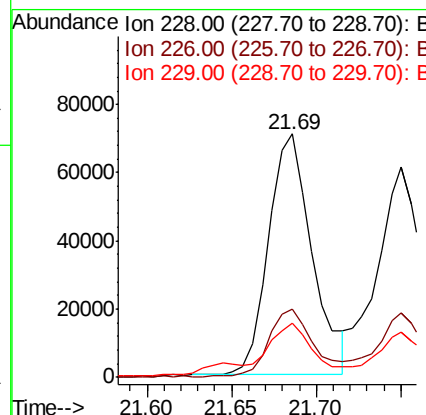
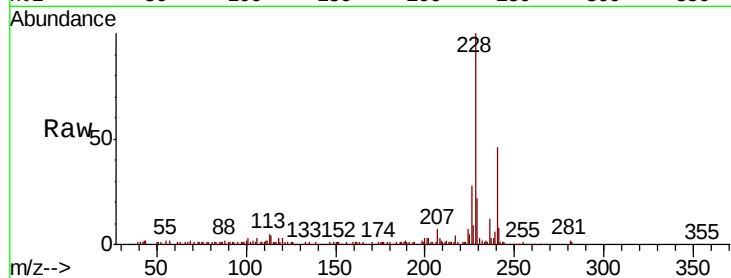




#81
Benzo(a)anthracene
Concen: 7.556 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

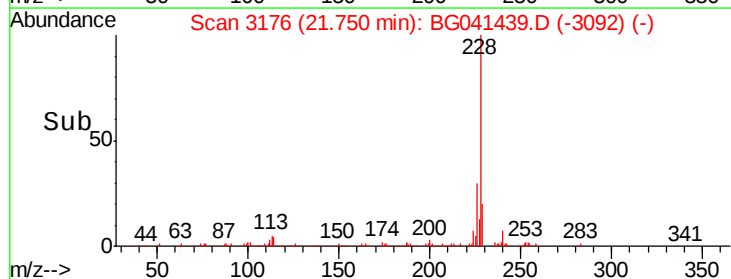
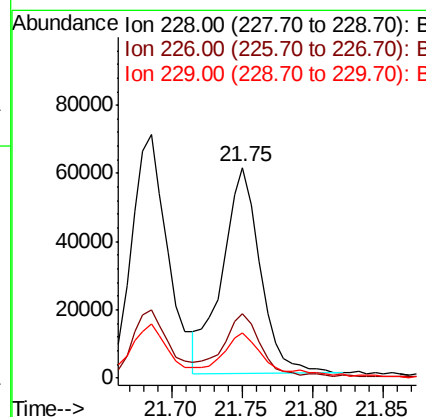
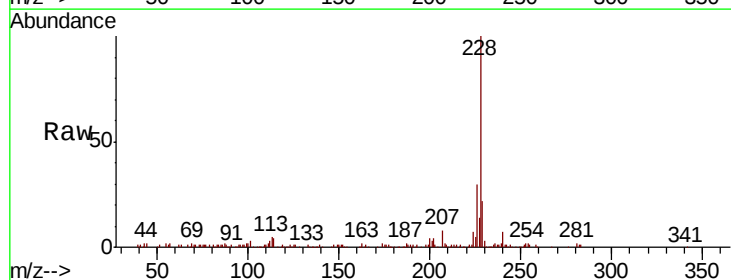
Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

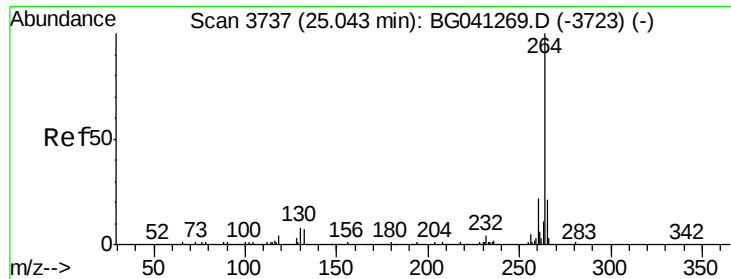
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.2	34.8
229	22.3	16.8	25.2



#83
Chrysene
Concen: 7.033 ng
RT: 21.75 min Scan# 3176
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	21.5	16.2	24.2

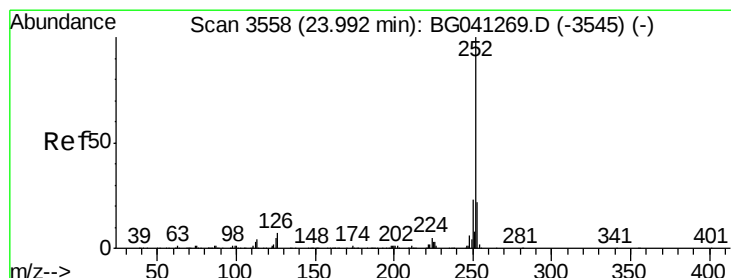
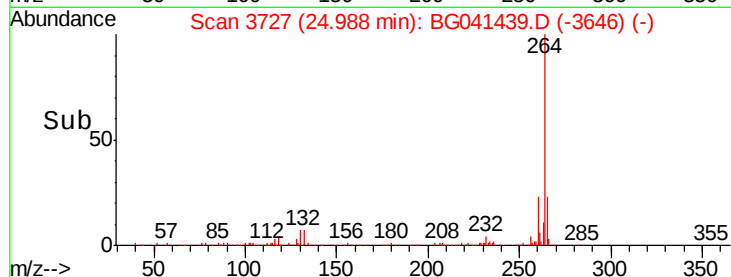
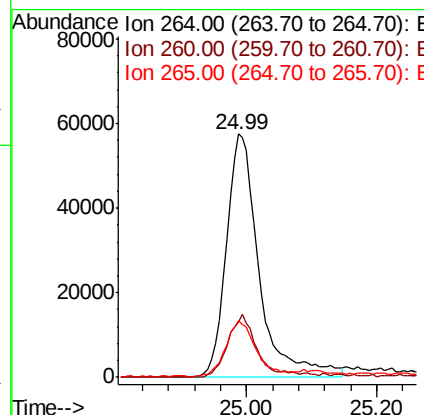
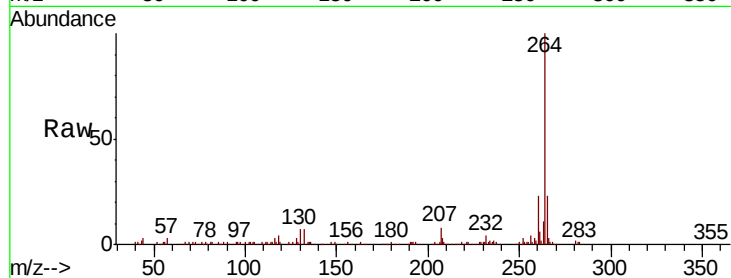




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3727
Delta R.T. -0.06 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

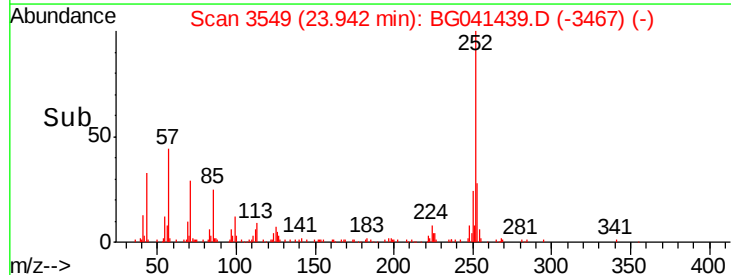
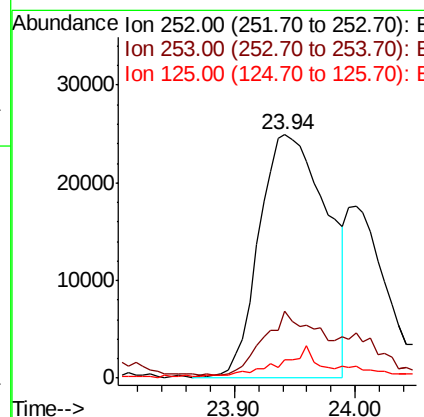
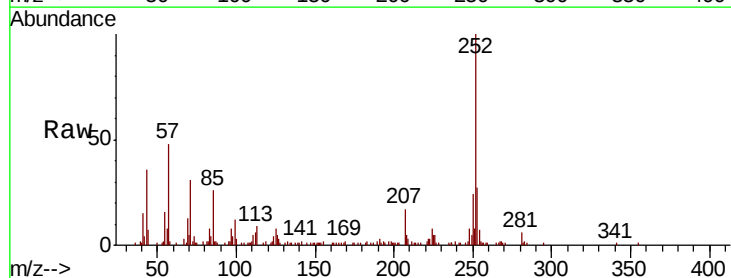
Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

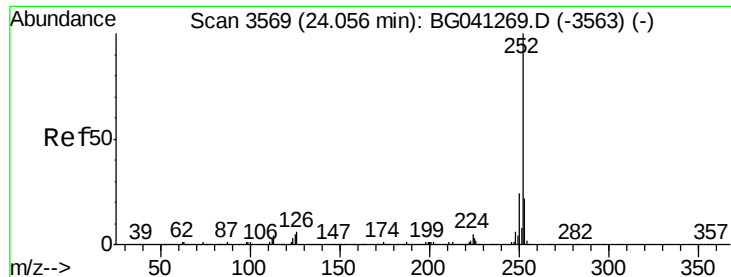
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.2
265	23.2	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 7.823 ng
RT: 23.94 min Scan# 3549
Delta R.T. -0.05 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	7.8	3.9	5.9#





#89

Benzo(k)fluoranthene

Concen: 7.897 ng

RT: 23.94 min Scan# 3549

Delta R.T. -0.11 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

ClientSampleId :

B-4(8-9)

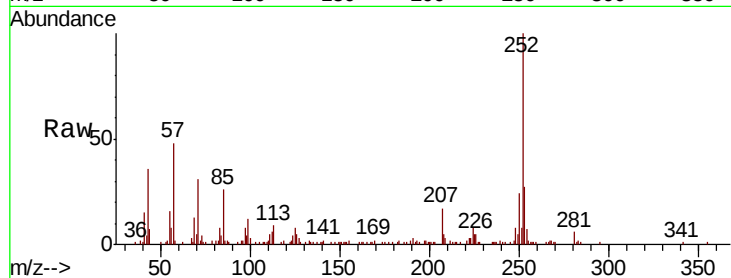
Tgt Ion:252 Resp: 97444

Ion Ratio Lower Upper

252 100

253 27.3 18.0 27.0#

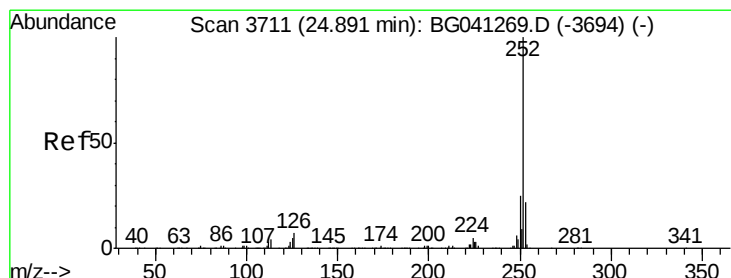
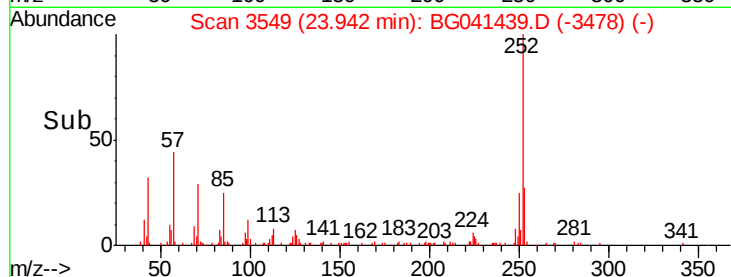
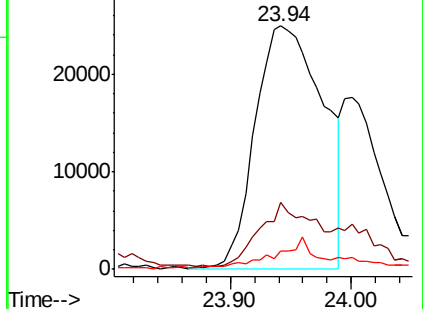
125 7.8 4.3 6.5#



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: 5.623 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.05 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

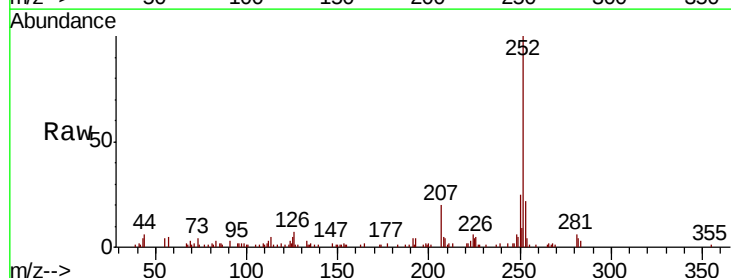
Tgt Ion:252 Resp: 66143

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 5.3 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

