

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070119\
 Data File : BG041559.D
 Acq On : 1 Jul 2019 15:08
 Operator : HP/JU
 Sample : K3592-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-5124

Quant Time: Jul 02 02:31:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG062619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:25:55 2019
 Response via : Initial Calibration

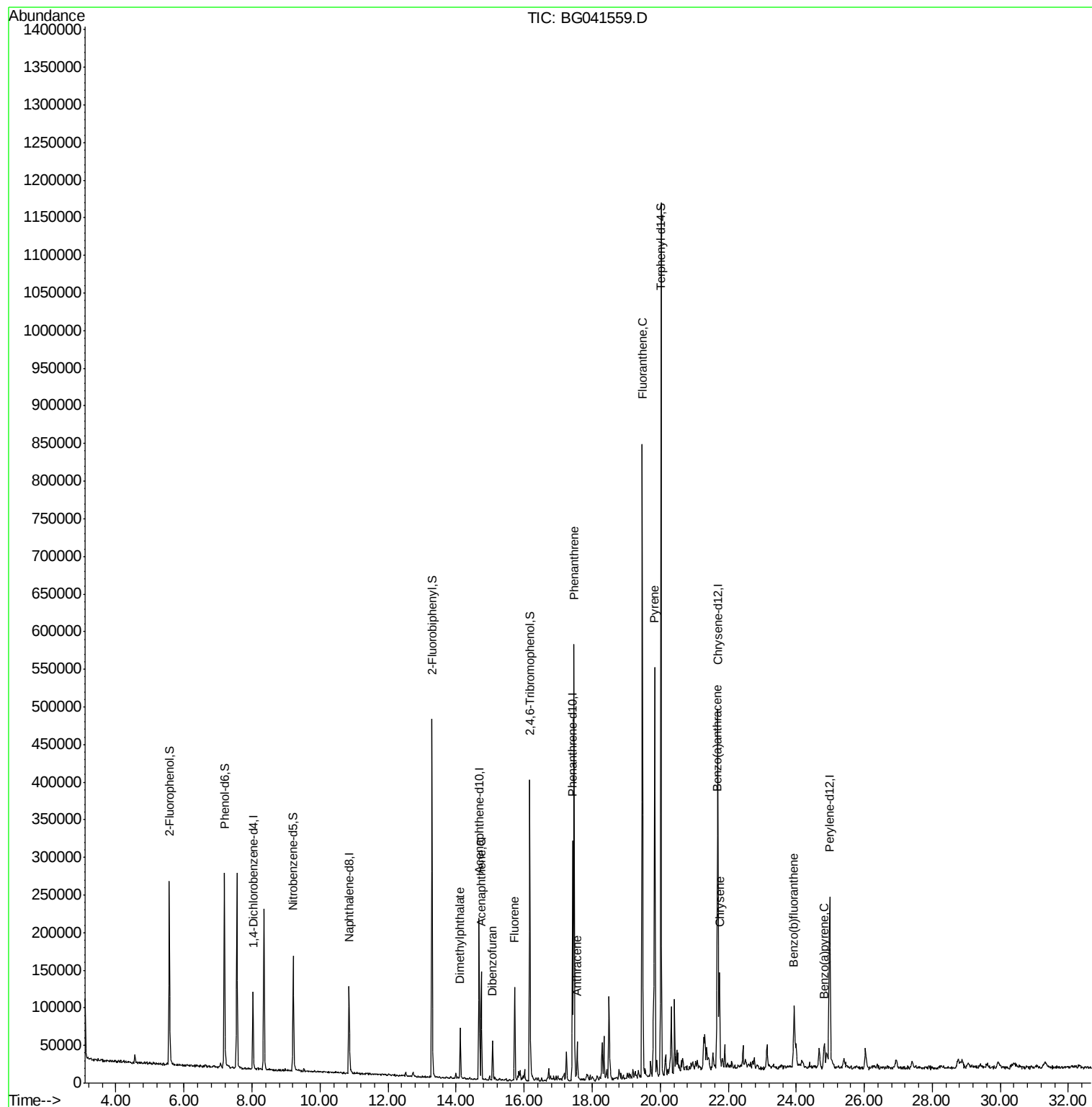
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	28912	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	102200	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	73673	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	203412	20.00	ng	0.00
76) Chrysene-d12	21.70	240	249631	20.00	ng	0.00
87) Perylene-d12	24.99	264	272596	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	103681	63.93	ng	0.00
7) Phenol-d6	7.19	99	146896	64.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	100807	41.14	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	82350	65.47	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	252480	43.98	ng	0.00
79) Terphenyl-d14	20.02	244	555116	47.26	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.12	163	46942	7.002	ng	Qvalue # 97
52) Acenaphthene	14.74	154	53831	12.164	ng	97
55) Dibenzofuran	15.07	168	37566	4.876	ng	99
58) Fluorene	15.72	166	58188	9.494	ng	97
71) Phenanthrene	17.47	178	376849	33.626	ng	98
72) Anthracene	17.56	178	37593	3.352	ng	97
75) Fluoranthene	19.48	202	543618	36.381	ng	100
78) Pyrene	19.84	202	384511	22.563	ng	99
81) Benzo(a)anthracene	21.68	228	106442	6.133	ng	99
83) Chrysene	21.74	228	96827	5.764	ng	97
88) Benzo(b)fluoranthene	23.93	252	70627	4.062	ng	# 99
90) Benzo(a)pyrene	24.83	252	41830	2.533	ng	100

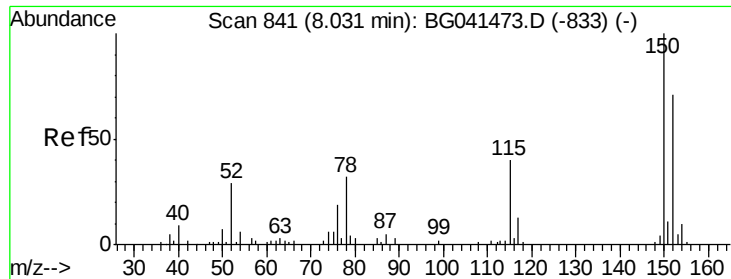
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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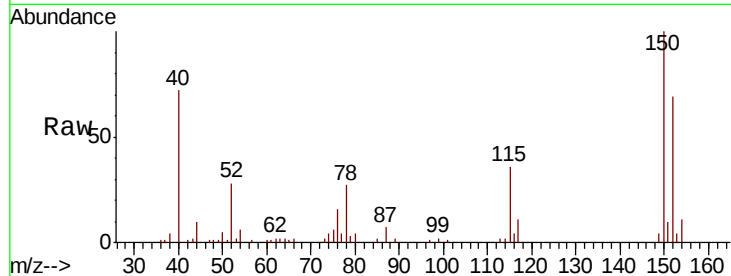


#1

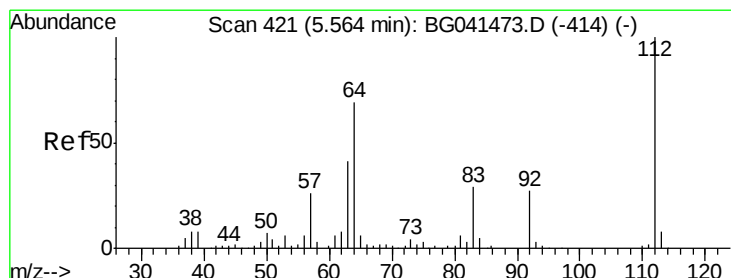
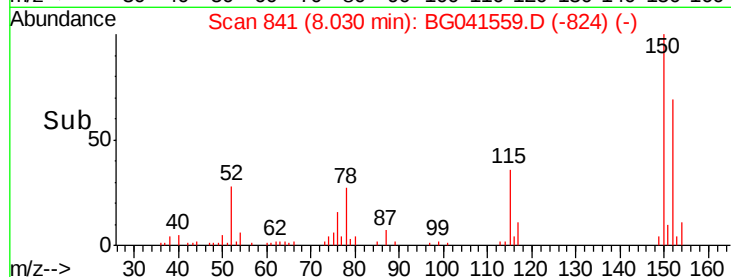
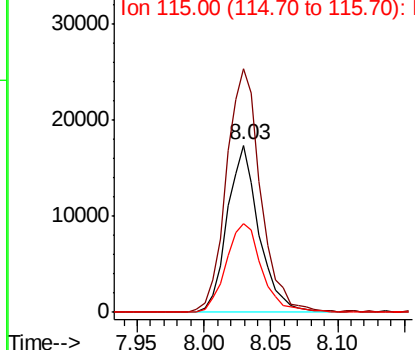
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_G
ClientSampleId :
RT-5124

Tot Ion:152 Resp: 28912
Ion Ratio Lower Upper
152 100
150 145.8 112.4 168.6
115 53.2 44.6 66.8



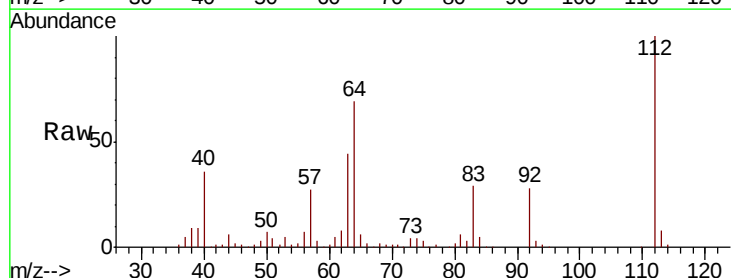
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



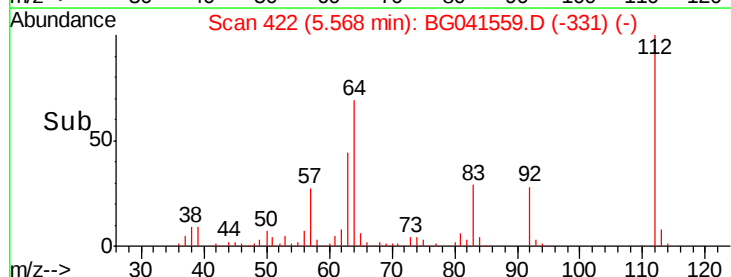
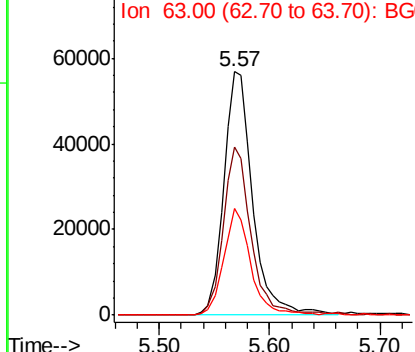
#5

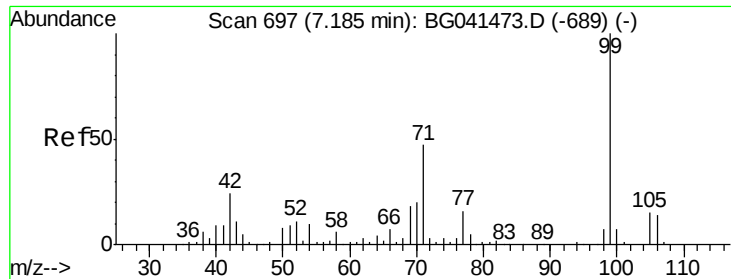
2-Fluorophenol
Concen: 63.935 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Tgt Ion:112 Resp: 103681
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 43.9 32.4 48.6



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: 64.347 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampleId :

RT-5124

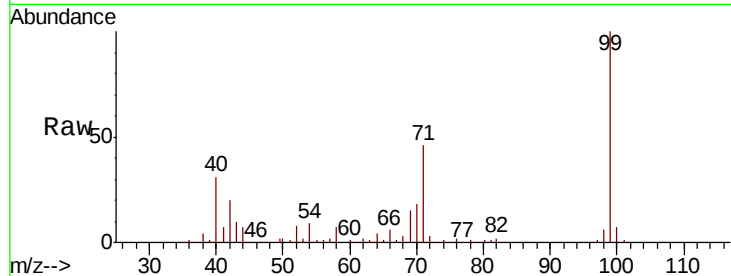
Tot Ion: 99 Resp: 146896

Ion Ratio Lower Upper

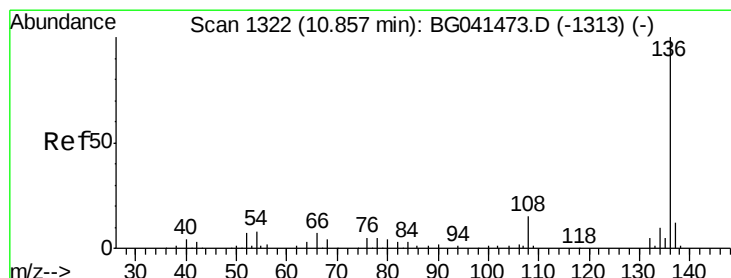
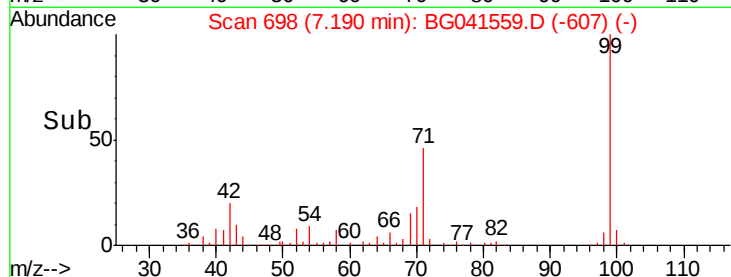
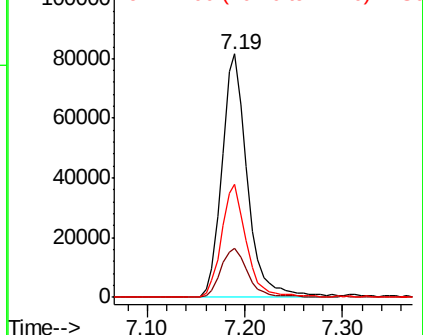
99 100

42 20.0 19.0 28.6

71 46.4 37.4 56.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Tgt Ion: 136 Resp: 102200

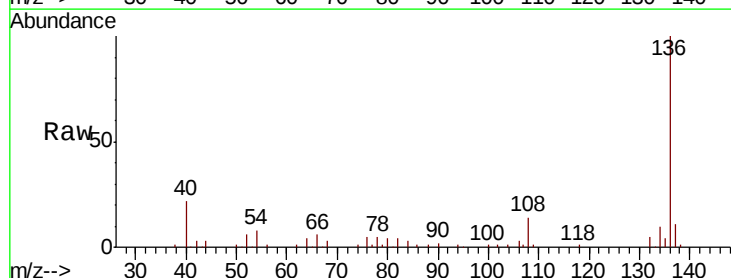
Ion Ratio Lower Upper

136 100

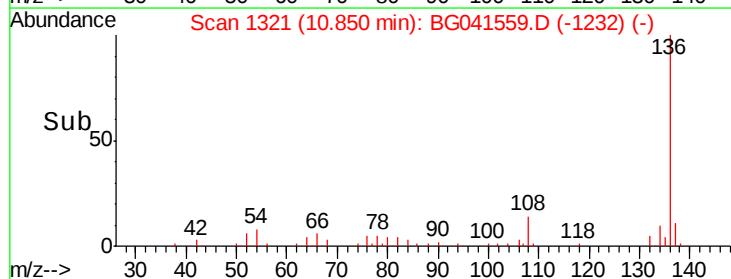
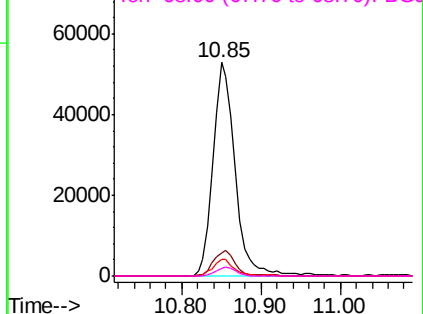
137 10.7 9.3 13.9

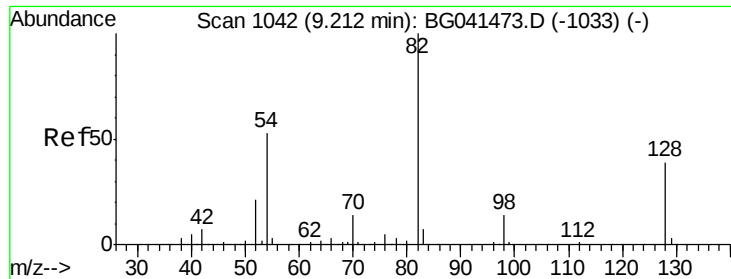
54 8.0 7.1 10.7

68 3.3 3.3 4.9



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

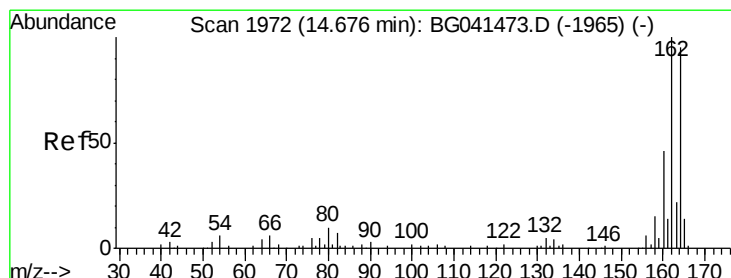
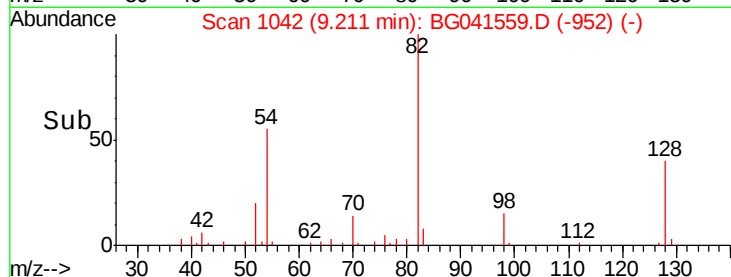
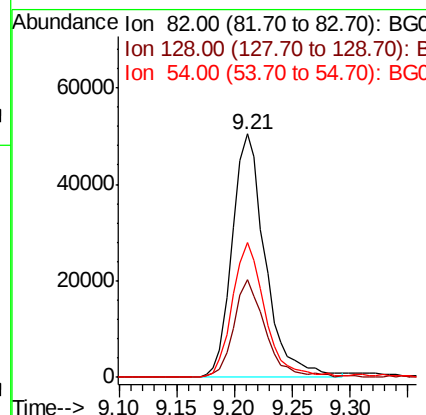
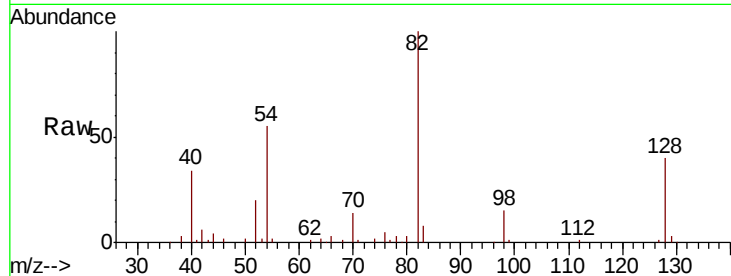




#23
 Nitrobenzene-d5
 Concen: 41.139 ng
 RT: 9.21 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BG041559.D
 Acq: 1 Jul 2019 15:08

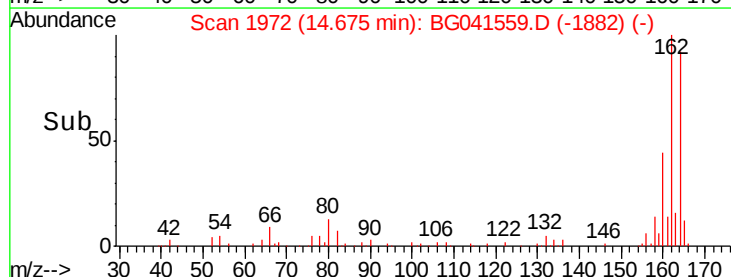
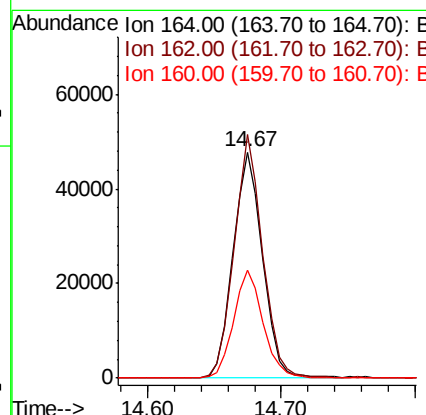
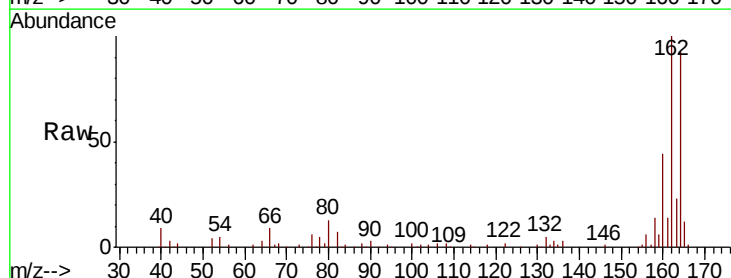
Instrument :
 BNA_G
 ClientSampleId :
 RT-5124

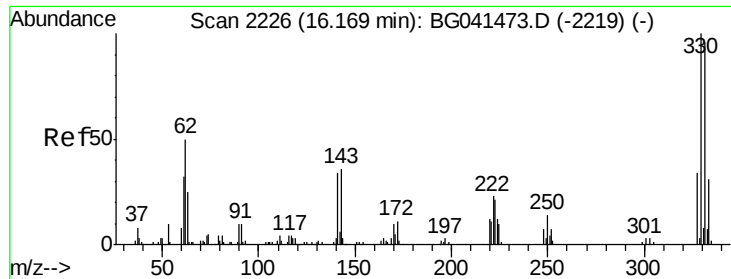
Tot Ion	82	Resp	100807
Ion Ratio	100	Lower	Upper
128	40.4	30.9	46.3
54	55.2	42.2	63.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG041559.D
 Acq: 1 Jul 2019 15:08

Tgt Ion	164	Resp	73673
Ion Ratio	100	Lower	Upper
162	107.8	84.4	126.6
160	47.6	38.8	58.2





#42

2,4,6-Tribromophenol

Concen: 65.465 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampleId :

RT-5124

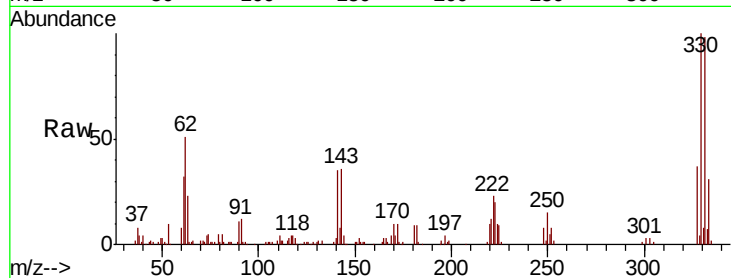
Tot Ion:330 Resp: 82350

Ion Ratio Lower Upper

330 100

332 96.0 75.5 113.3

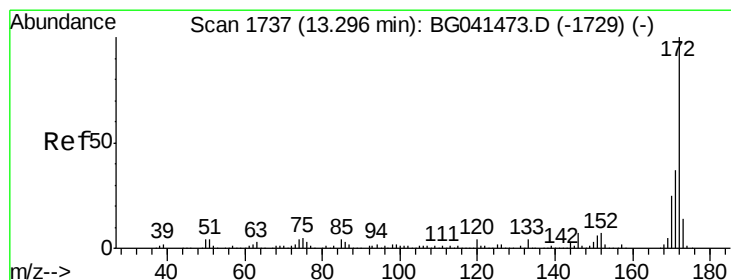
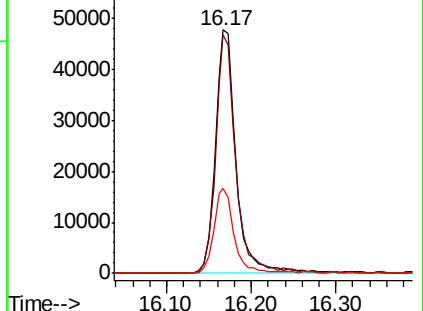
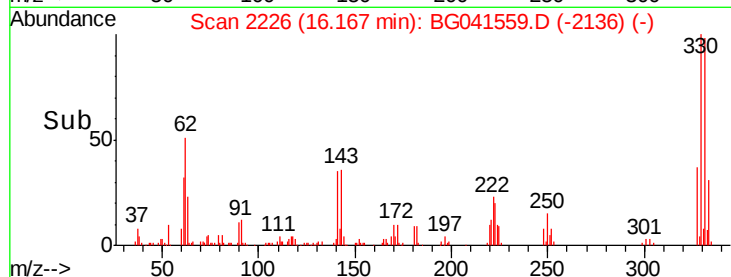
141 35.1 27.8 41.6



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: 43.978 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

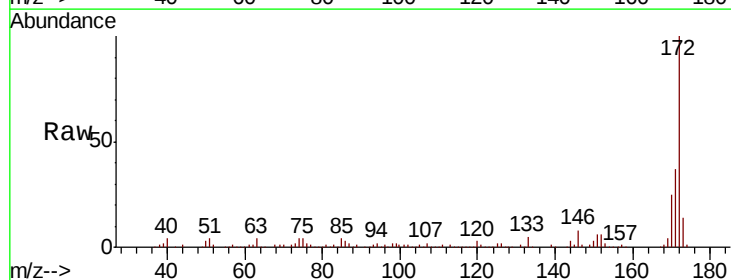
Tgt Ion:172 Resp: 252480

Ion Ratio Lower Upper

172 100

171 37.2 29.6 44.4

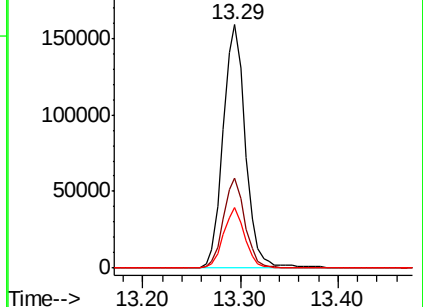
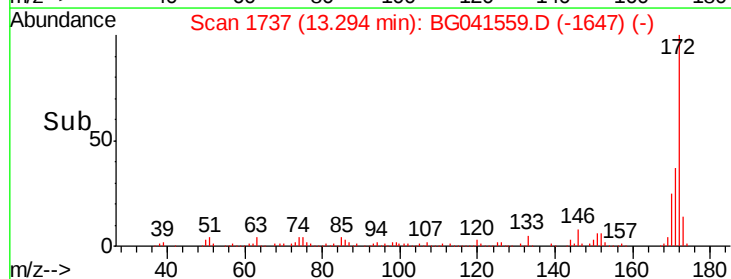
170 24.9 20.0 30.0

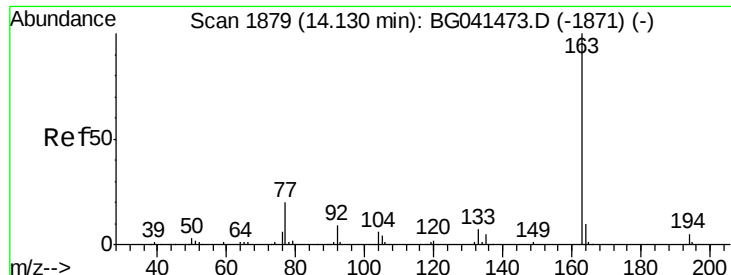


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

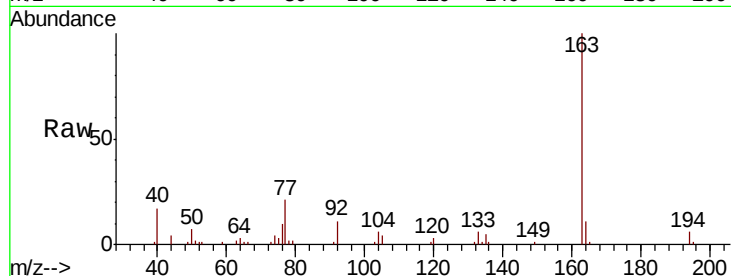




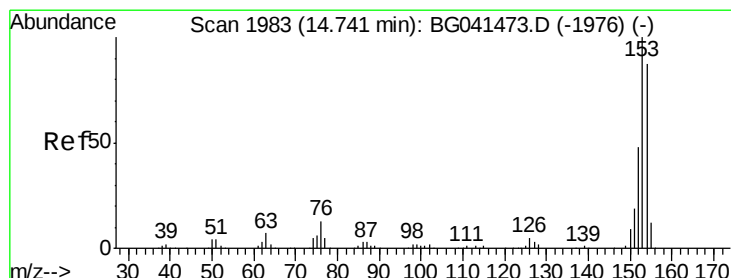
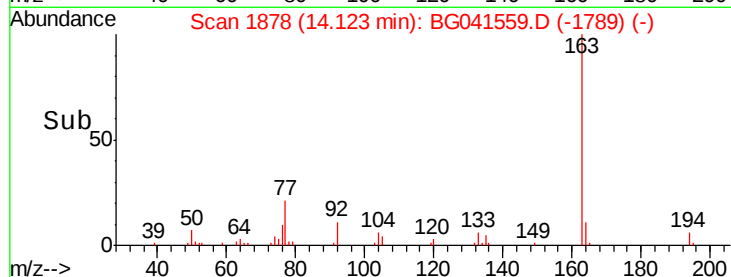
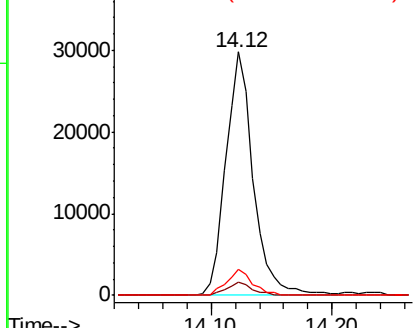
#50
Dimethylphthalate
Concen: 7.002 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_G
ClientSampleId :
RT-5124

Tot Ion:163 Resp: 46942
Ion Ratio Lower Upper
163 100
194 5.6 3.7 5.5#
164 10.7 7.8 11.6

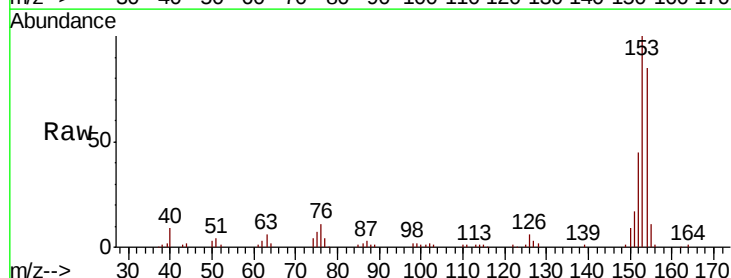


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

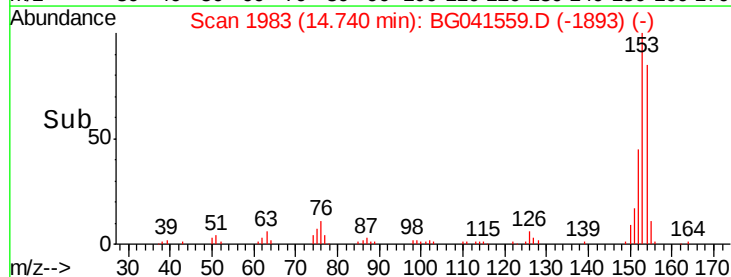
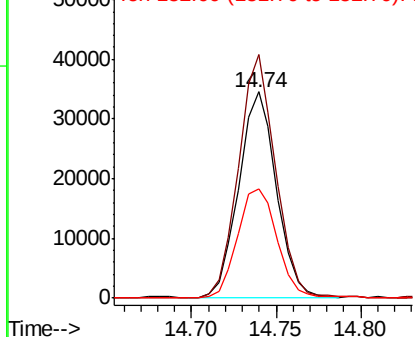


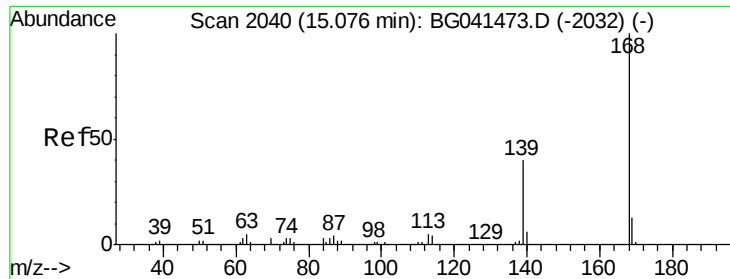
#52
Acenaphthene
Concen: 12.164 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Tgt Ion:154 Resp: 53831
Ion Ratio Lower Upper
154 100
153 118.1 92.2 138.4
152 52.8 44.1 66.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

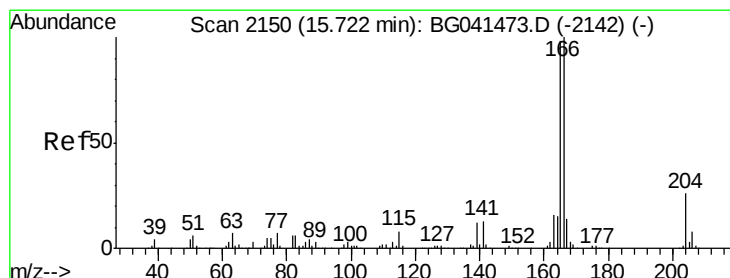
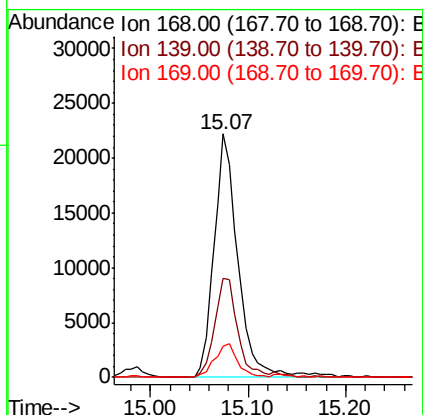
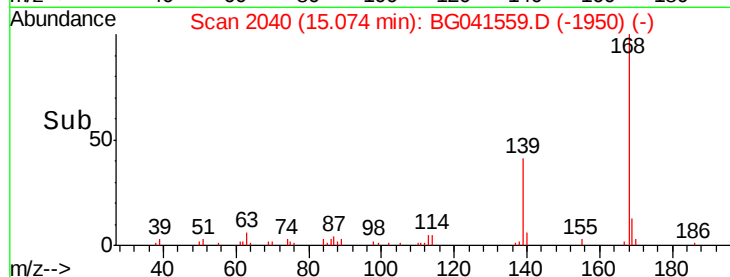
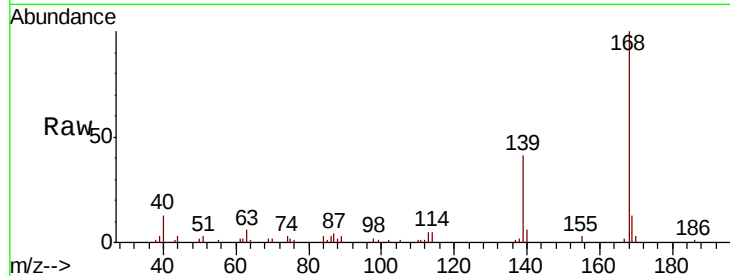




#55
Dibenzenofuran
Concen: 4.876 ng
RT: 15.07 min Scan# 2040
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

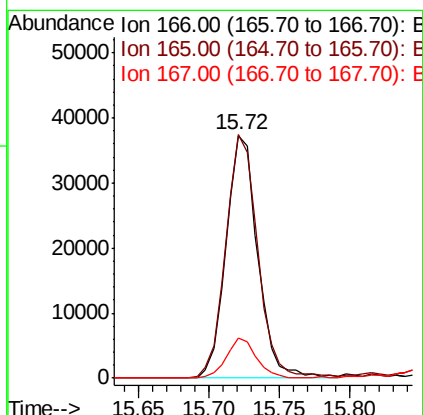
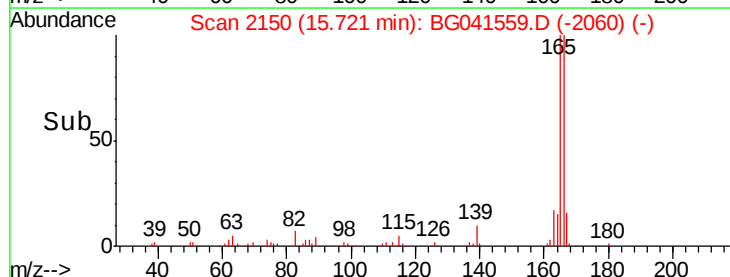
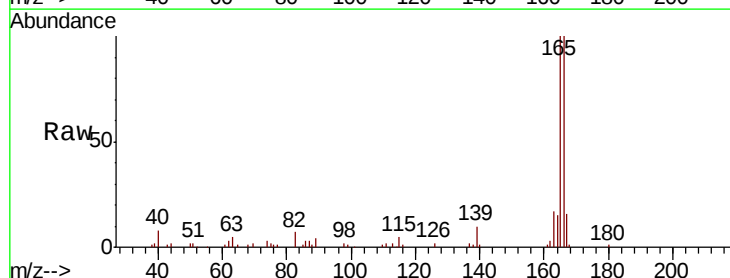
Instrument :
BNA_G
ClientSampleId :
RT-5124

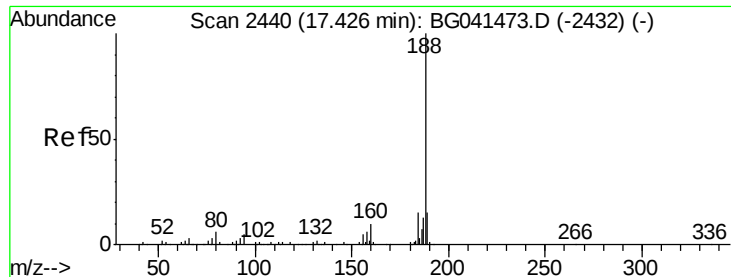
Tot Ion:168 Resp: 37566
Ion Ratio Lower Upper
168 100
139 40.9 32.2 48.4
169 13.0 10.6 16.0



#58
Fluorene
Concen: 9.494 ng
RT: 15.72 min Scan# 2150
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Tgt Ion:166 Resp: 58188
Ion Ratio Lower Upper
166 100
165 100.4 78.6 117.8
167 16.6 11.4 17.0

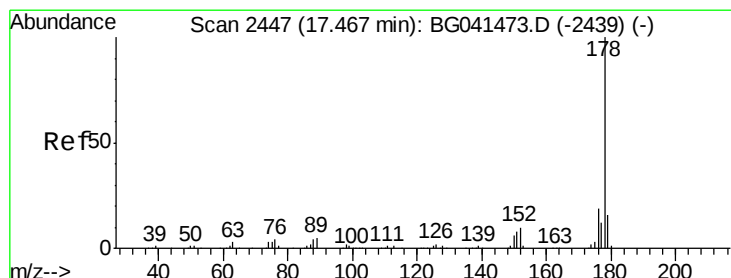
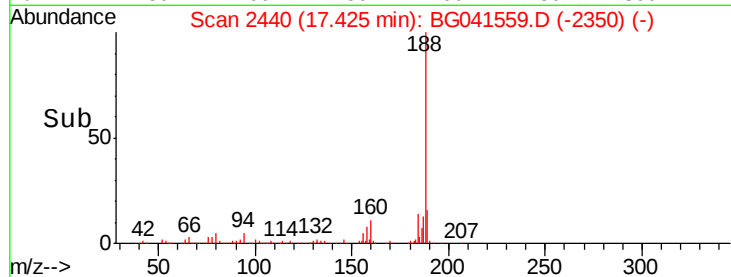
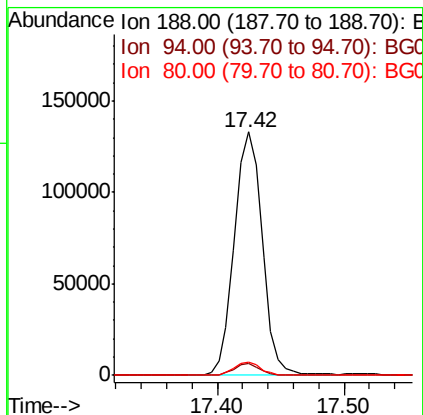
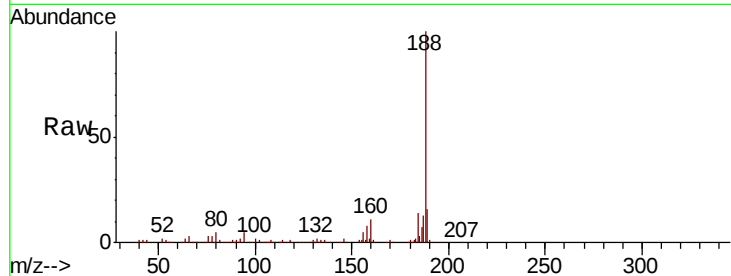




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

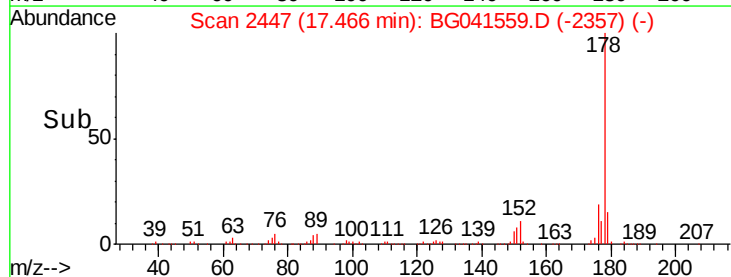
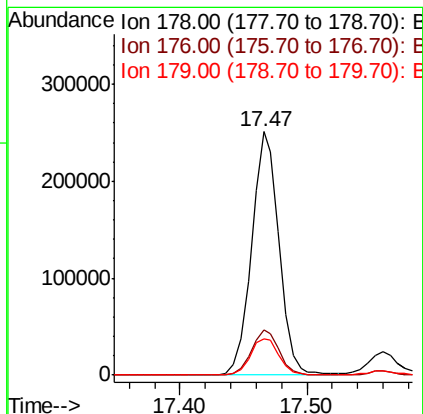
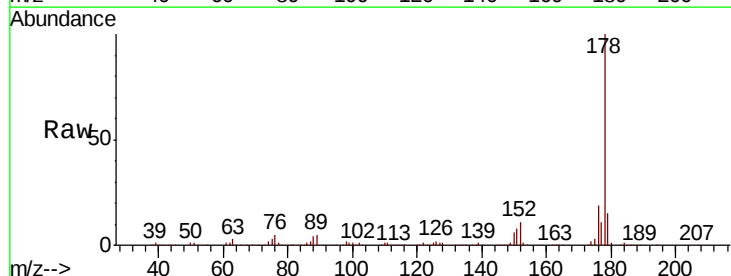
Instrument :
BNA_G
ClientSampleId :
RT-5124

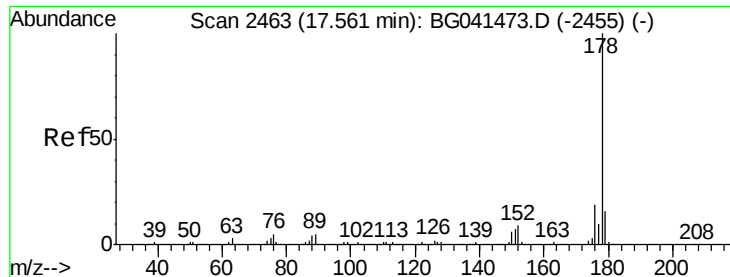
Tot Ion:188 Resp: 203412
Ion Ratio Lower Upper
188 100
94 4.8 3.8 5.8
80 5.4 4.8 7.2



#71
Phenanthrene
Concen: 33.626 ng
RT: 17.47 min Scan# 2447
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Tgt Ion:178 Resp: 376849
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 15.1 13.0 19.4





#72

Anthracene

Concen: 3.352 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampleId :

RT-5124

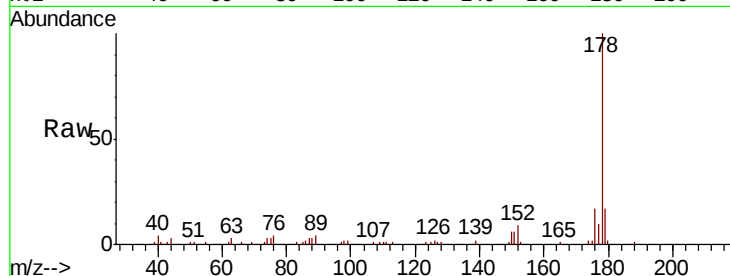
Tot Ion:178 Resp: 37593

Ion Ratio Lower Upper

178 100

176 17.1 14.8 22.2

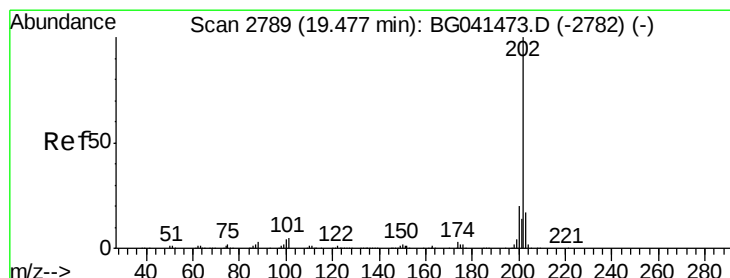
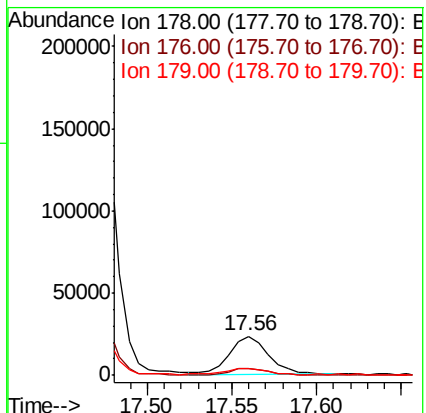
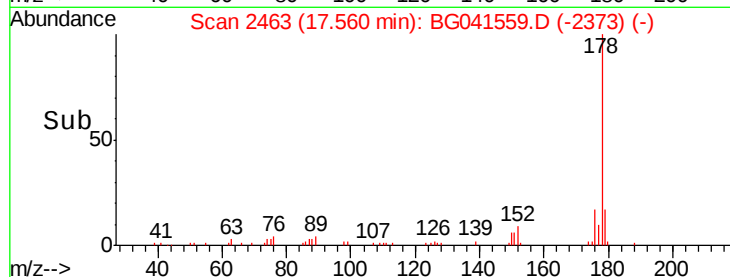
179 17.4 12.8 19.2



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: 36.381 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

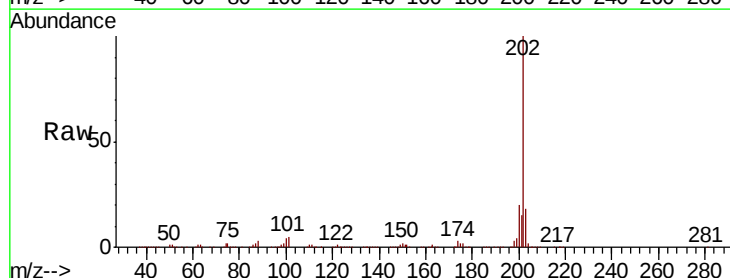
Tgt Ion:202 Resp: 543618

Ion Ratio Lower Upper

202 100

101 4.7 0.0 24.9

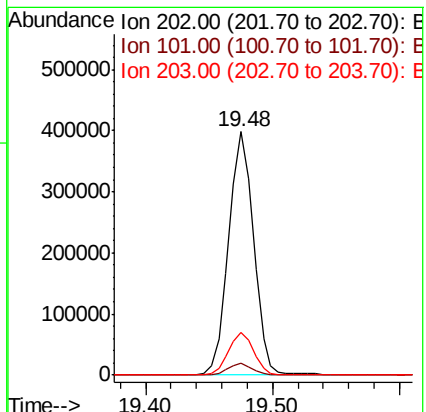
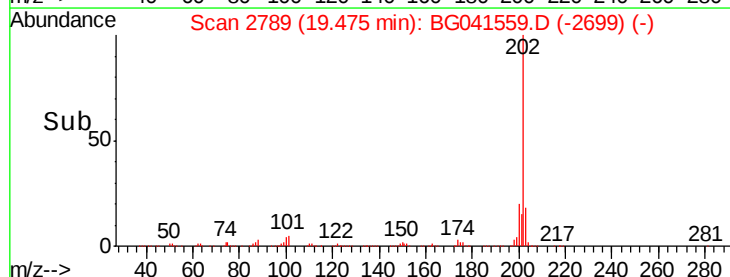
203 17.7 0.0 37.5

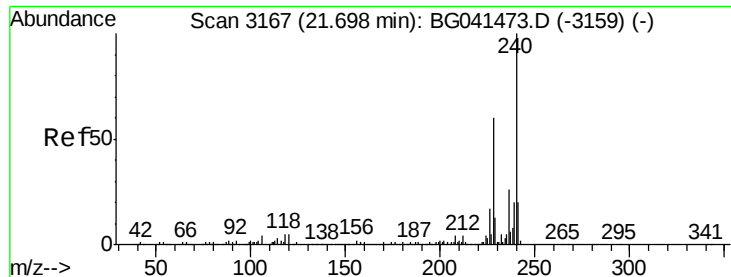


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3167

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampleId :

RT-5124

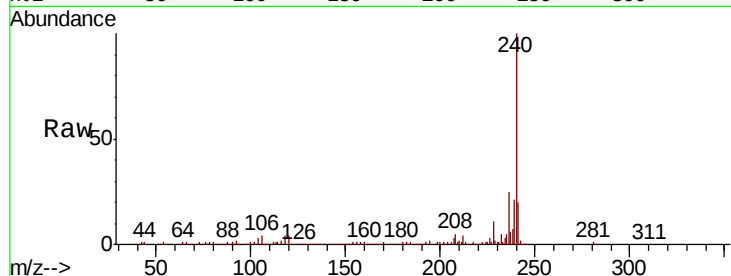
Tot Ion:240 Resp: 249631

Ion Ratio Lower Upper

240 100

120 4.1 3.7 5.5

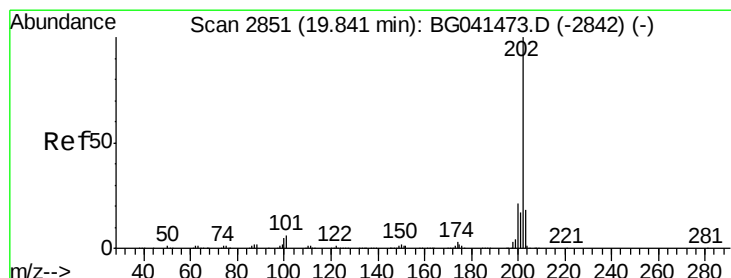
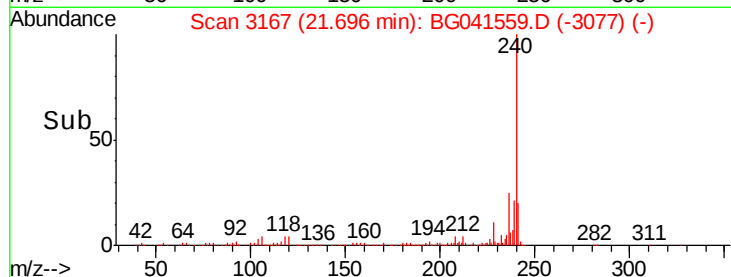
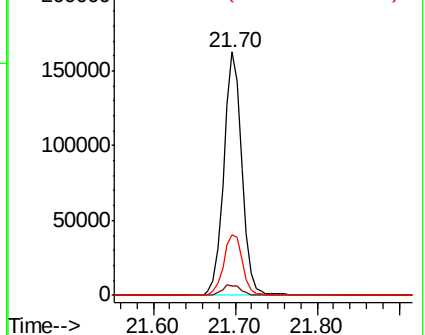
236 24.7 20.8 31.2



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: 22.563 ng

RT: 19.84 min Scan# 2851

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

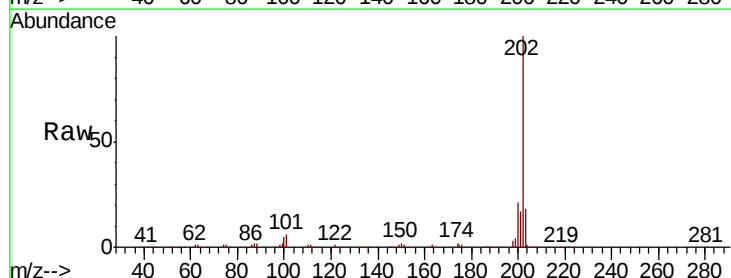
Tgt Ion:202 Resp: 384511

Ion Ratio Lower Upper

202 100

200 20.5 16.8 25.2

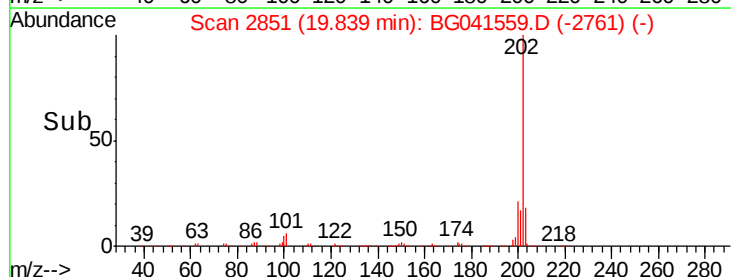
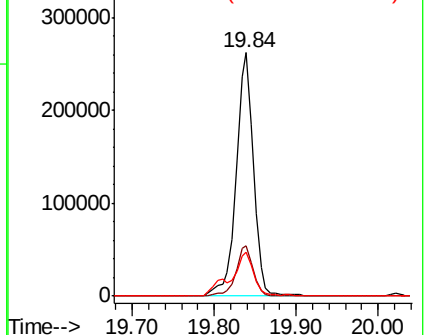
203 18.0 14.2 21.4

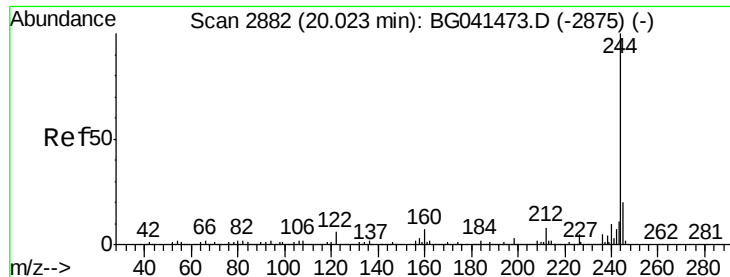


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 47.256 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampled :

RT-5124

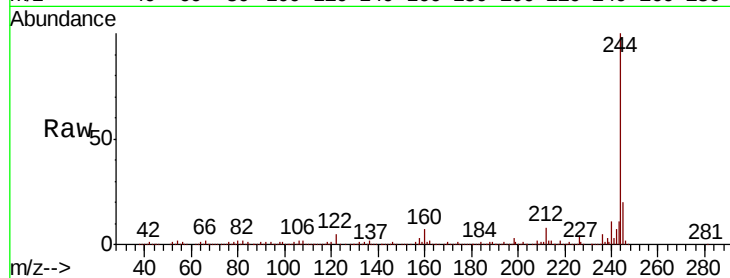
Tot Ion:244 Resp: 555116

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

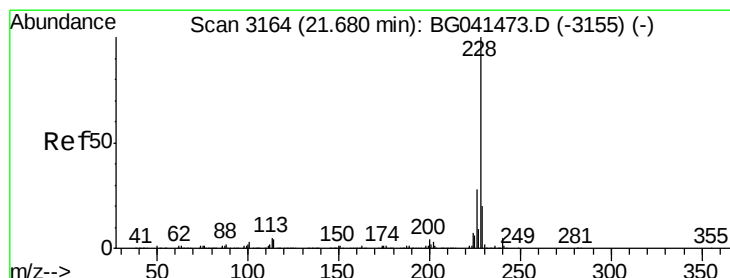
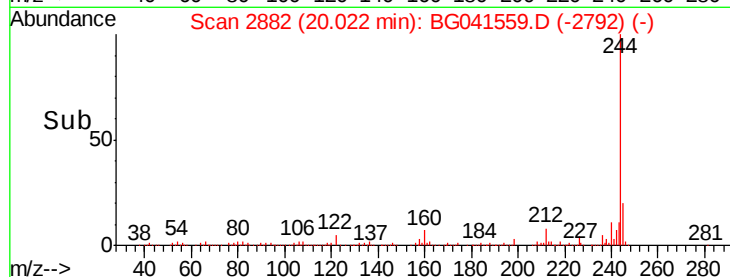
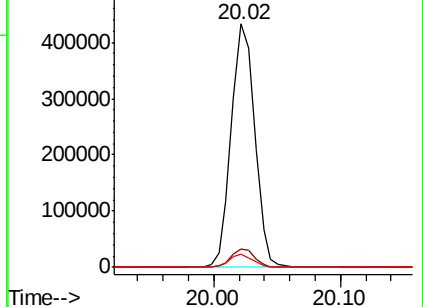
122 5.3 4.8 7.2



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: 6.133 ng

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

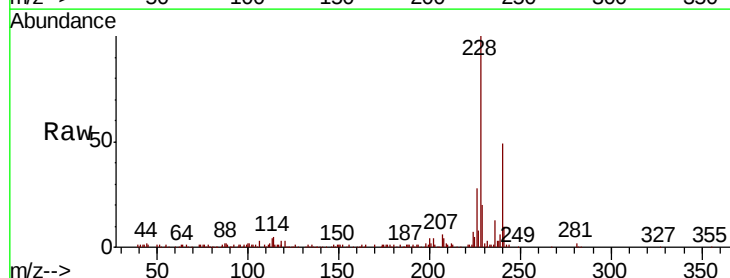
Tgt Ion:228 Resp: 106442

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

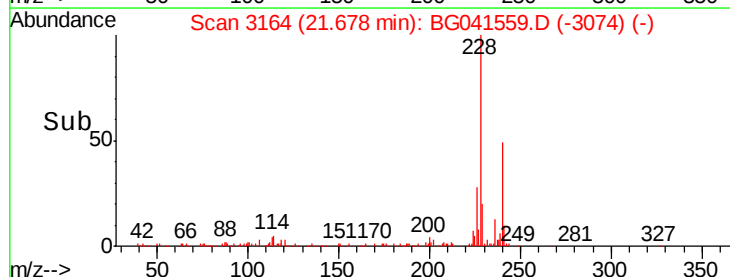
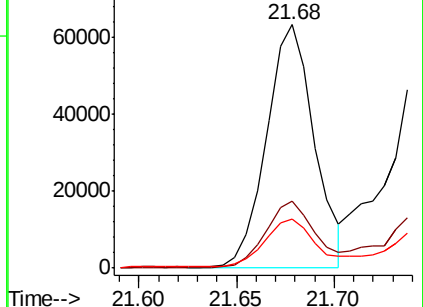
229 20.0 16.1 24.1

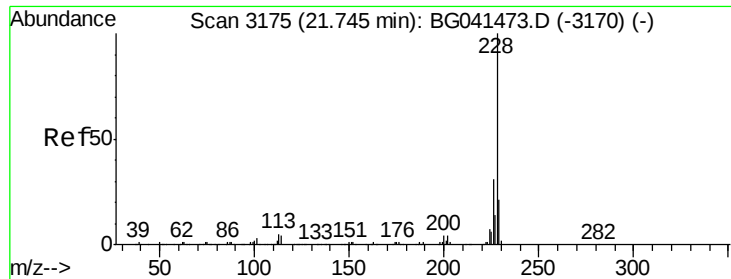


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

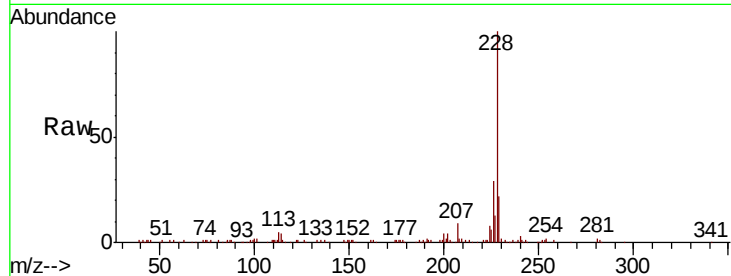




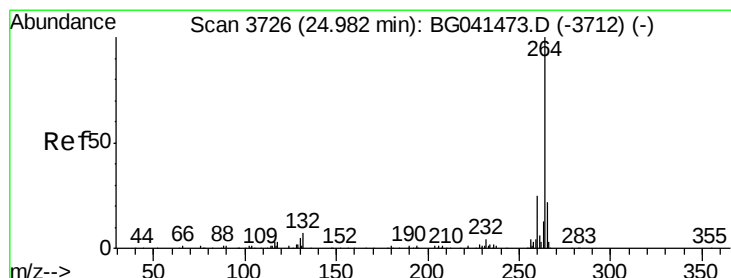
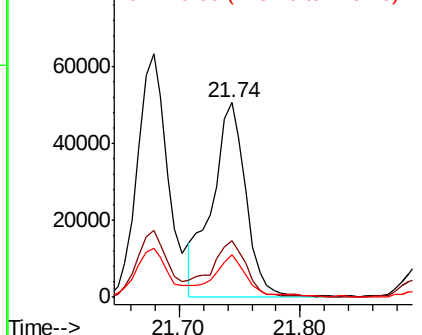
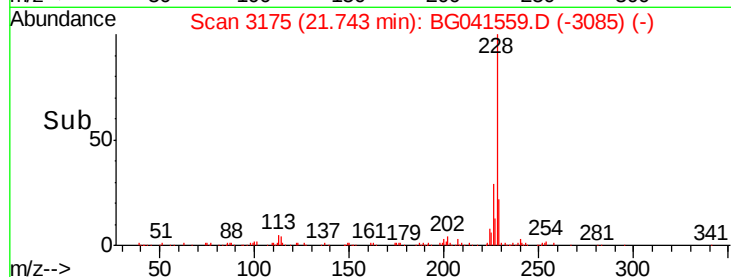
#83
Chrysene
Concen: 5.764 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Instrument :
BNA_G
ClientSampleId :
RT-5124

Tot Ion:228 Resp: 96827
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.4
229 21.9 16.8 25.2

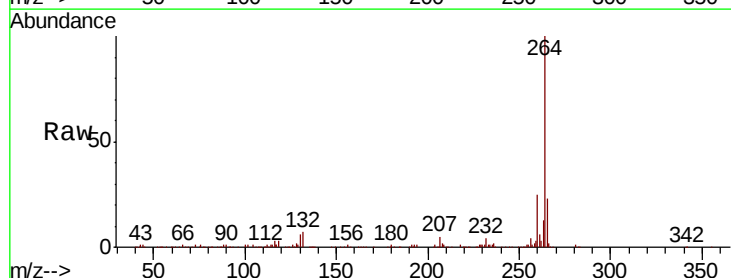


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

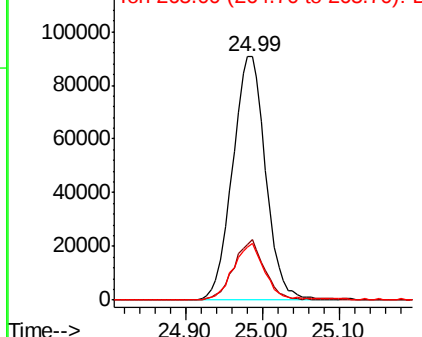
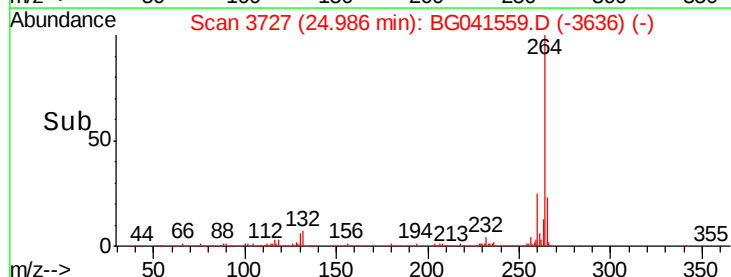


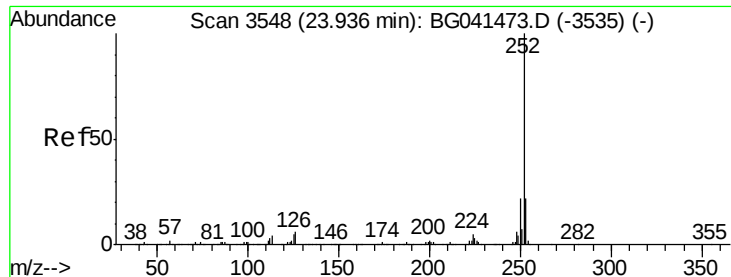
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3727
Delta R.T. 0.00 min
Lab File: BG041559.D
Acq: 1 Jul 2019 15:08

Tgt Ion:264 Resp: 272596
Ion Ratio Lower Upper
264 100
260 24.7 19.7 29.5
265 23.4 17.4 26.2



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: 4.062 ng

RT: 23.93 min Scan# 3547

Delta R.T. -0.01 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

Instrument :

BNA_G

ClientSampleId :

RT-5124

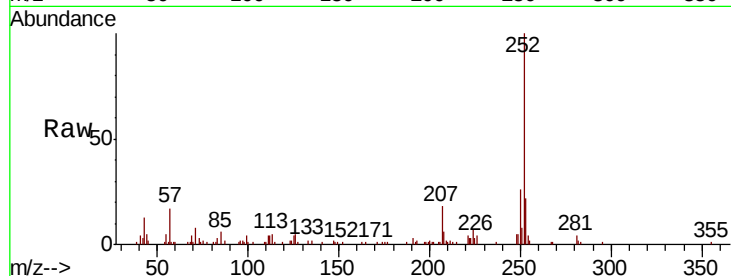
Tot Ion:252 Resp: 70627

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

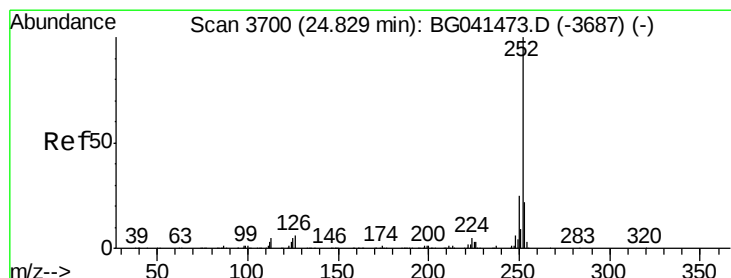
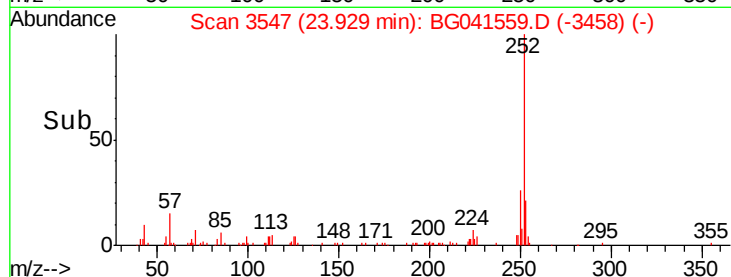
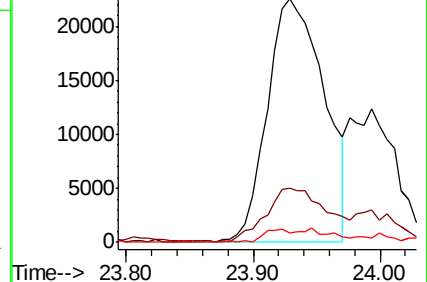
125 3.8 3.8 5.8#



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: 2.533 ng

RT: 24.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BG041559.D

Acq: 1 Jul 2019 15:08

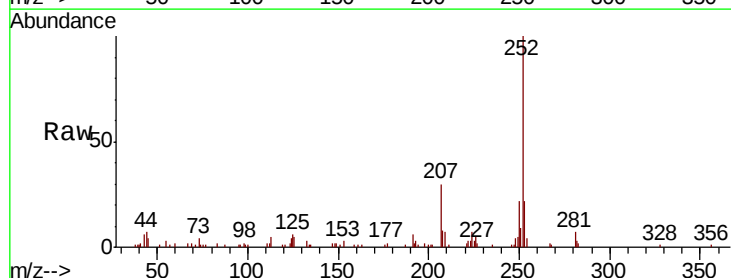
Tgt Ion:252 Resp: 41830

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 5.6 4.4 6.6



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

