

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG110719\
 Data File : BG043554.D
 Acq On : 8 Nov 2019 00:40
 Operator : JU
 Sample : K5722-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1-B

Quant Time: Nov 08 04:19:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31246	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	117063	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	86579	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	207801	20.00	ng	0.00
76) Chrysene-d12	21.65	240	220996	20.00	ng	0.00
87) Perylene-d12	24.85	264	256190	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	132714	77.83	ng	0.02
7) Phenol-d6	7.21	99	187914	76.60	ng	0.02
23) Nitrobenzene-d5	9.17	82	117253	51.64	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	122730	74.49	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	339984	54.26	ng	0.00
79) Terphenyl-d14	20.00	244	692425	58.78	ng	0.00

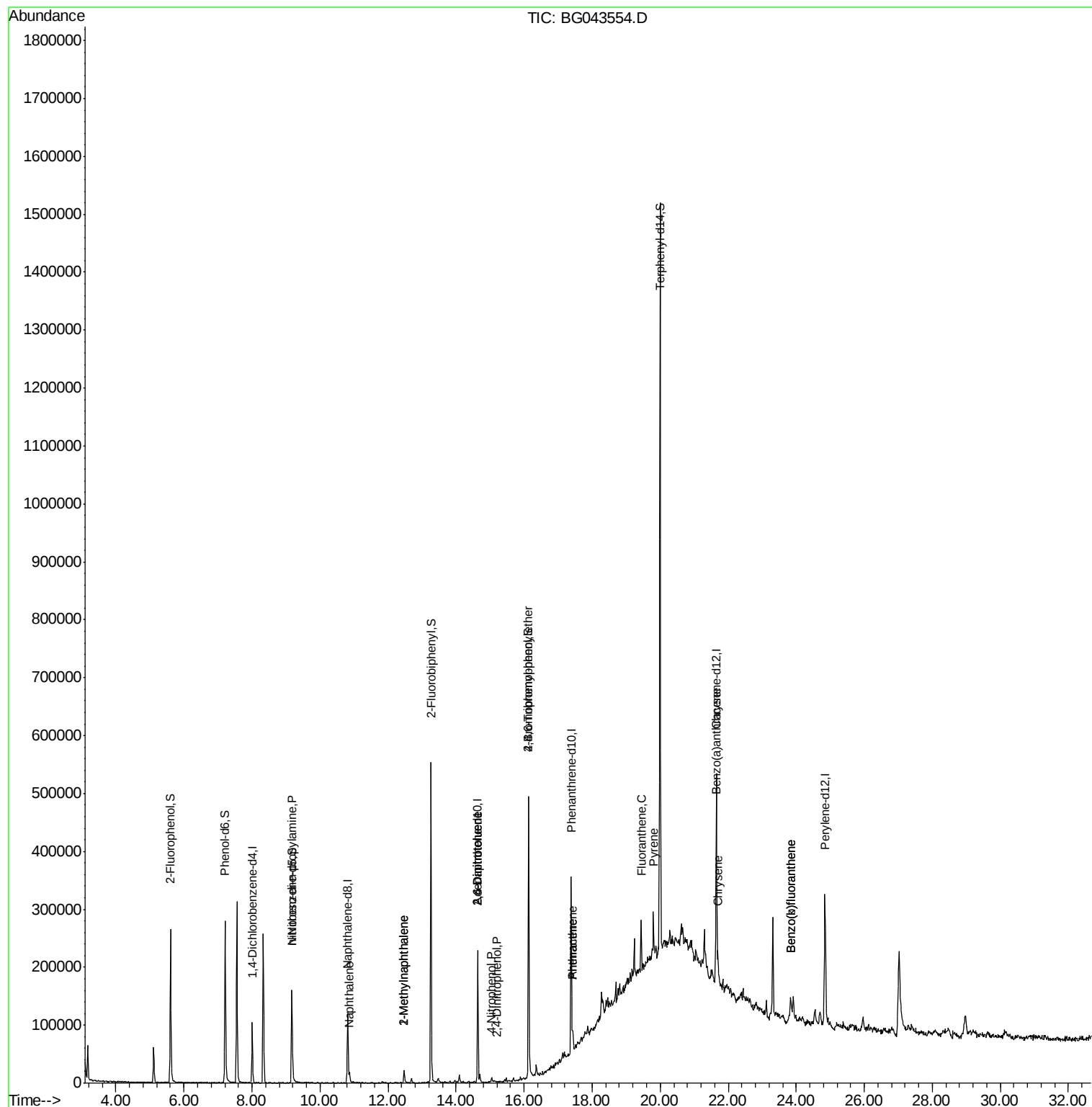
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.17	70	16352	10.315	ng	# 76
31) Naphthalene	10.87	128	13427	2.260	ng	# 93
37) 2-Methylnaphthalene	12.47	142	15011	3.292	ng	89
38) 1-Methylnaphthalene	12.47	142	15011	3.460	ng	89
51) 2,6-Dinitrotoluene	14.64	165	11966	8.213	ng	# 25
54) 2,4-Dinitrophenol	15.19	184	59	7.342	ng	# 17
56) 4-Nitrophenol	15.04	139	1951	2.070	ng	# 1
57) 2,4-Dinitrotoluene	14.64	165	11966	5.747	ng	# 28
67) 4-Bromophenyl-phenylether	16.13	248	7561	2.704	ng	# 1
71) Phenanthrene	17.42	178	30126	2.831	ng	99
72) Anthracene	17.42	178	30126	2.830	ng	98
75) Fluoranthene	19.44	202	61419	4.427	ng	98
78) Pyrene	19.80	202	55813	4.080	ng	95
81) Benzo(a)anthracene	21.64	228	30041	2.170	ng	97
83) Chrysene	21.70	228	43107	3.134	ng	97
88) Benzo(b)fluoranthene	23.83	252	62415	4.302	ng	# 93
89) Benzo(k)fluoranthene	23.83	252	62415	4.273	ng	# 92

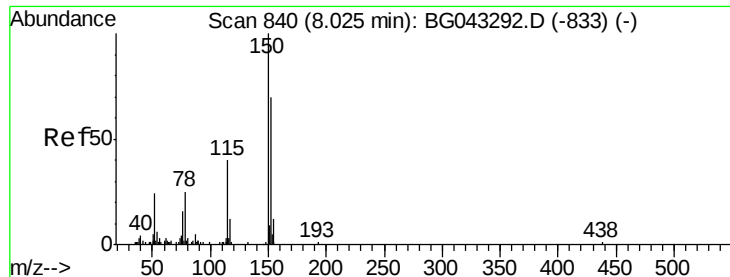
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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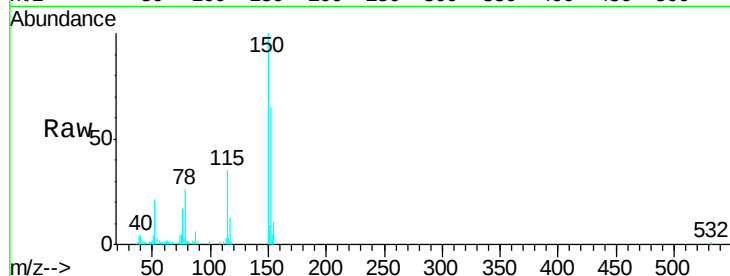


#1

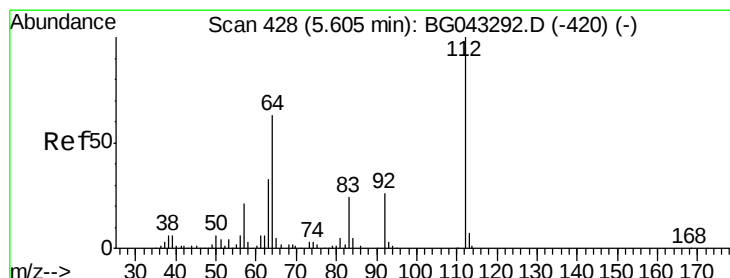
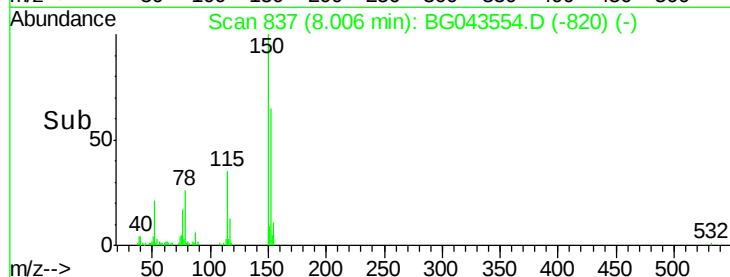
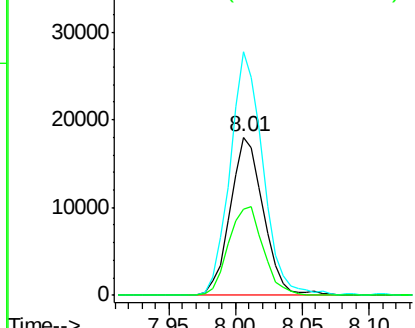
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

Instrument :
BNA_G
ClientSampleId :
1-B

Tgt Ion:152 Resp: 31246
Ion Ratio Lower Upper
152 100
150 154.2 129.4 194.0
115 54.7 48.8 73.2



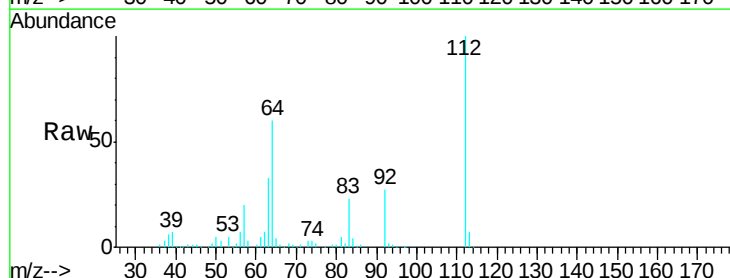
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



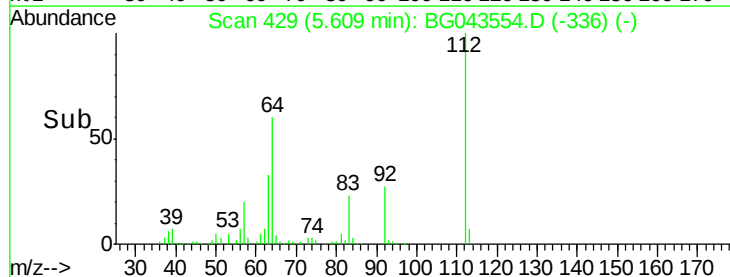
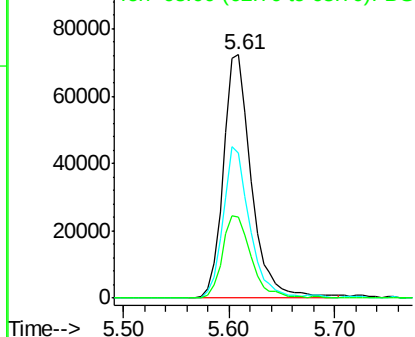
#5

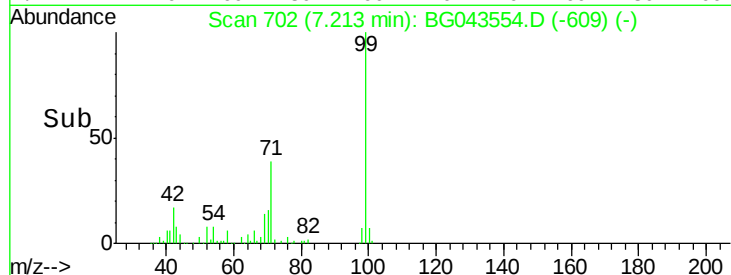
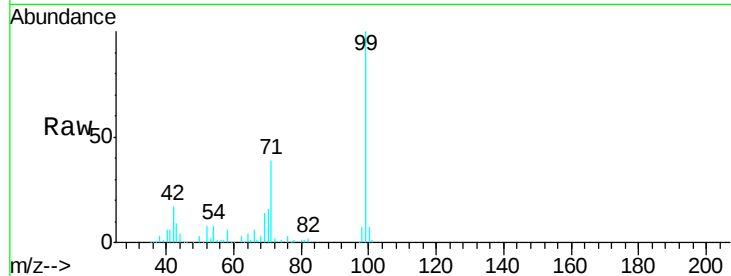
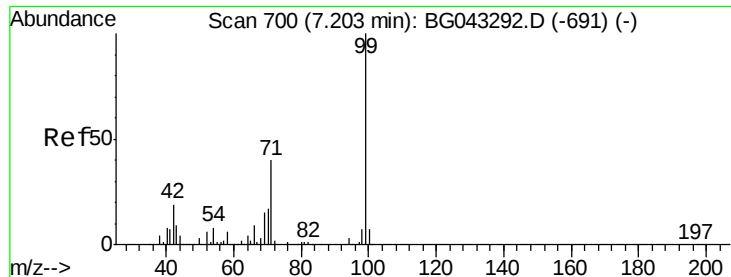
2-Fluorophenol
Concen: 77.831 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.02 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

Tgt Ion:112 Resp: 132714
Ion Ratio Lower Upper
112 100
64 59.8 50.0 75.0
63 33.1 26.6 40.0



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: 76.596 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.02 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

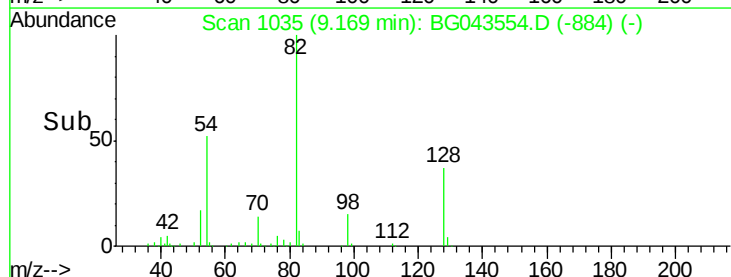
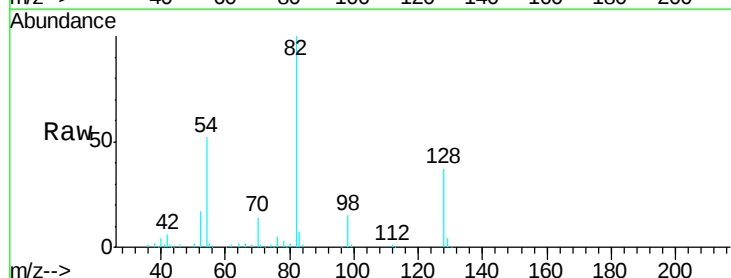
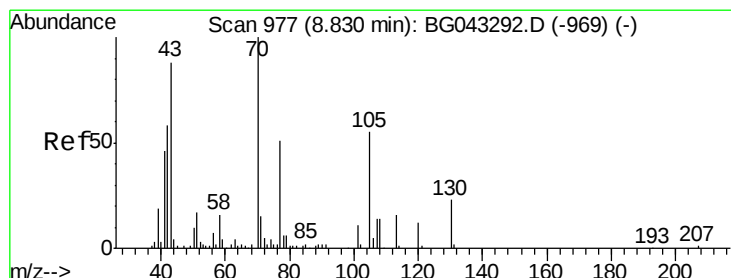
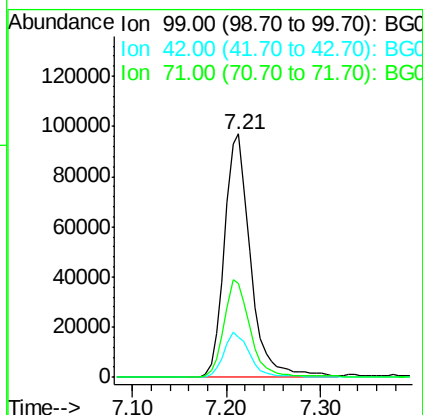
Tgt Ion: 99 Resp: 187914

Ion Ratio Lower Upper

99 100

42 16.6 14.6 21.8

71 38.7 32.5 48.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.315 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Tgt Ion: 70 Resp: 16352

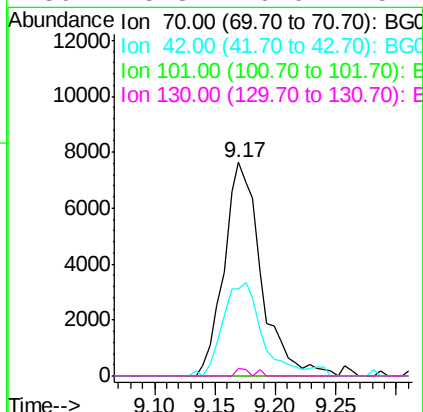
Ion Ratio Lower Upper

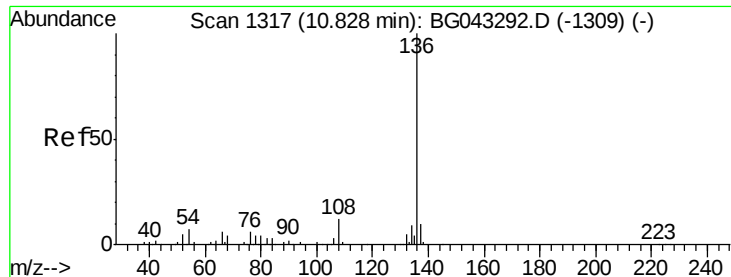
70 100

42 40.9 41.4 62.2#

101 0.0 7.9 11.9#

130 3.3 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

Tgt Ion:136 Resp: 117063

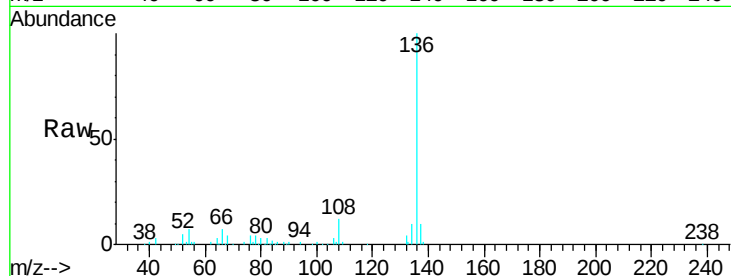
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 7.5 5.4 8.2

68 3.7 3.0 4.4

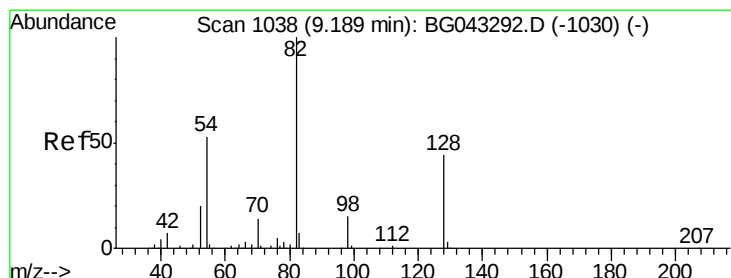
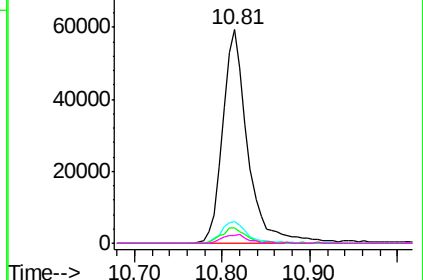
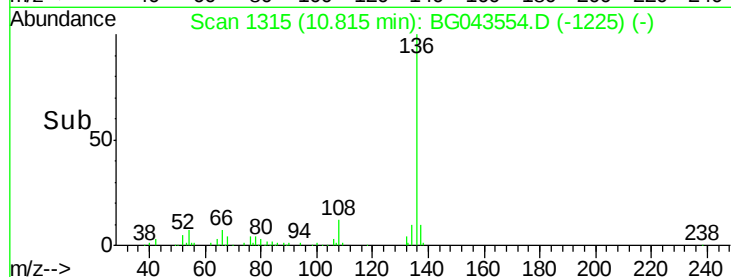


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 51.638 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

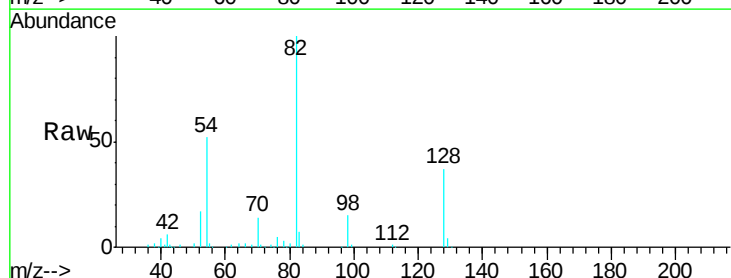
Tgt Ion: 82 Resp: 117253

Ion Ratio Lower Upper

82 100

128 37.4 35.0 52.6

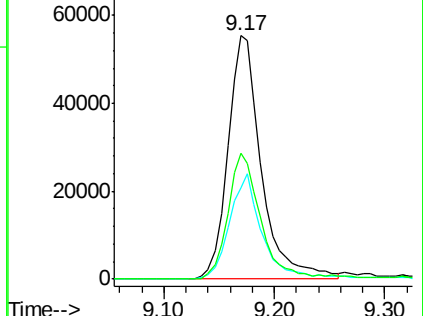
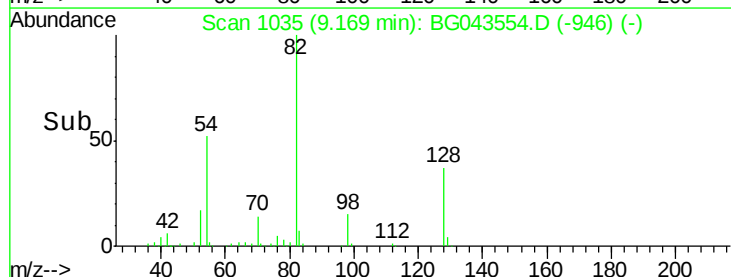
54 51.7 40.2 60.2

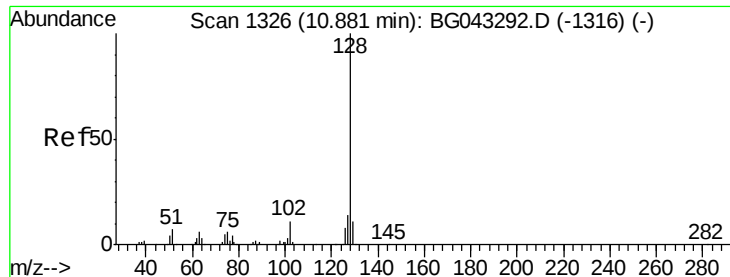


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG

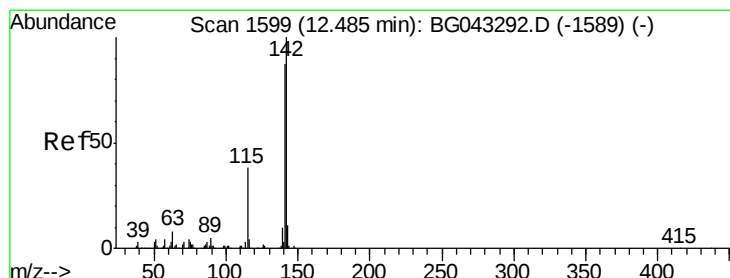
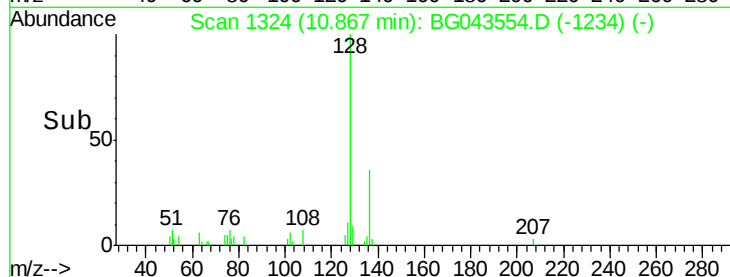
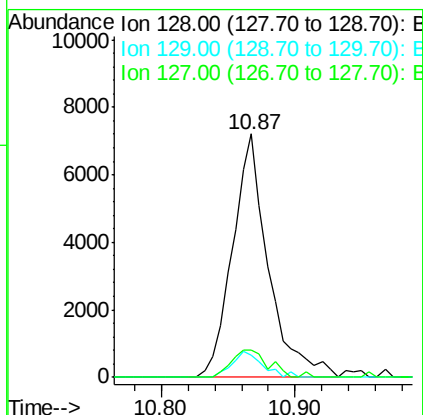
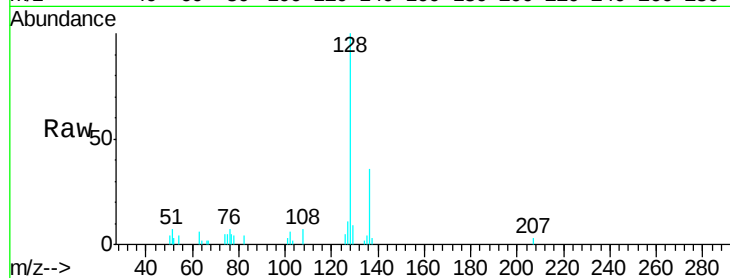




#31
Naphthalene
Concen: 2.260 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

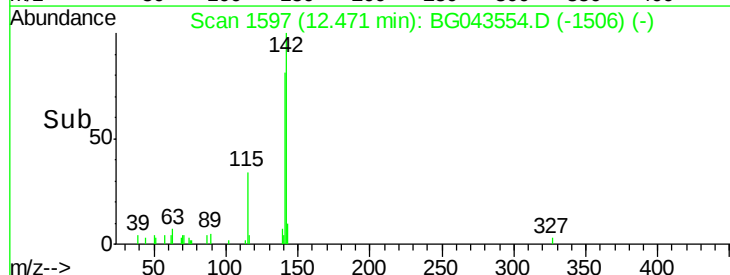
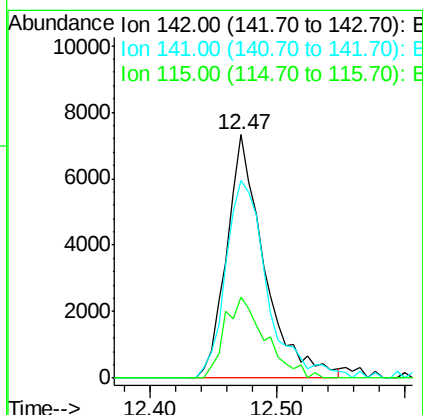
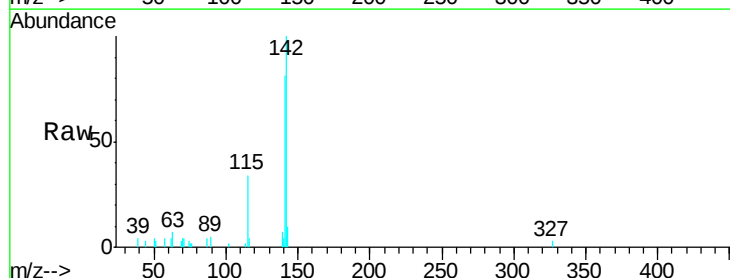
Instrument :
BNA_G
ClientSampleId :
1-B

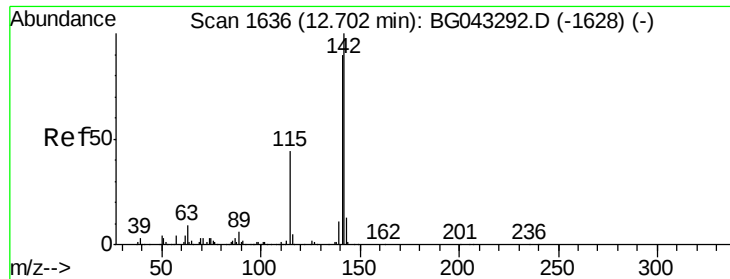
Tgt Ion:128 Resp: 13427
Ion Ratio Lower Upper
128 100
129 8.9 9.4 14.0#
127 11.2 11.1 16.7



#37
2-Methylnaphthalene
Concen: 3.292 ng
RT: 12.47 min Scan# 1597
Delta R.T. 0.00 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

Tgt Ion:142 Resp: 15011
Ion Ratio Lower Upper
142 100
141 81.1 72.2 108.2
115 33.5 33.2 49.8

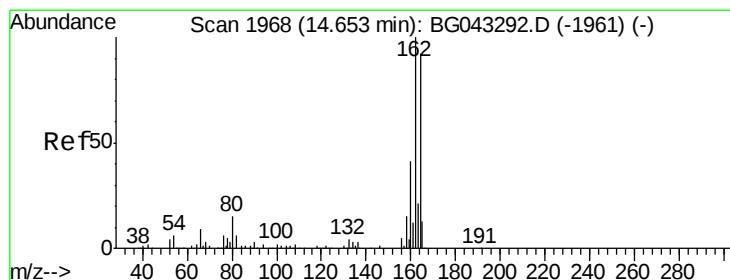
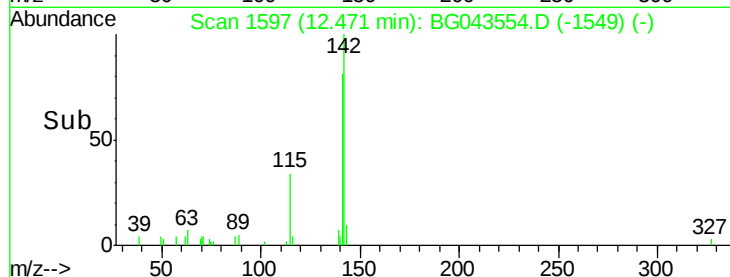
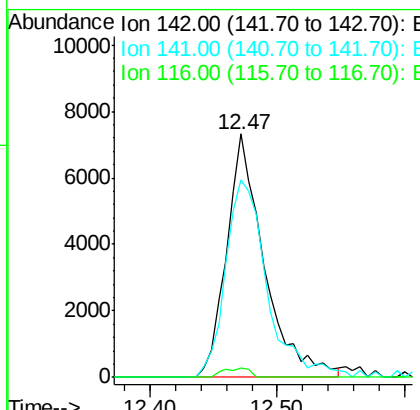
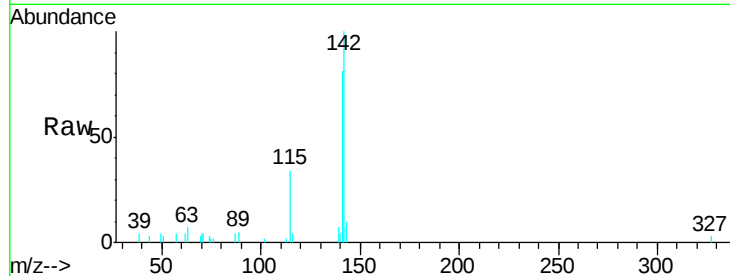




#38
 1-Methylnaphthalene
 Concen: 3.460 ng
 RT: 12.47 min Scan# 1597
 Delta R.T. -0.22 min
 Lab File: BG043554.D
 Acq: 8 Nov 2019 00:40

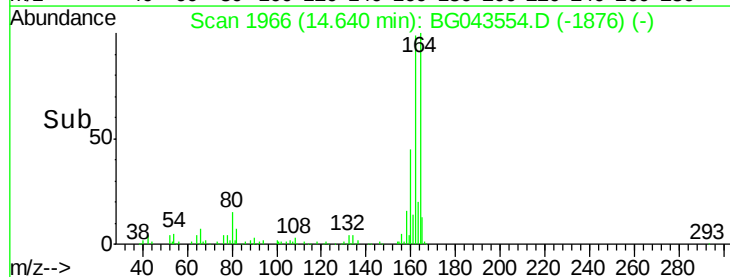
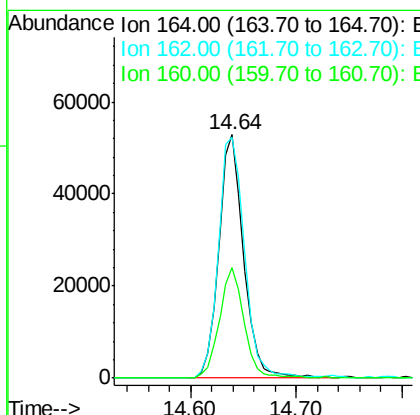
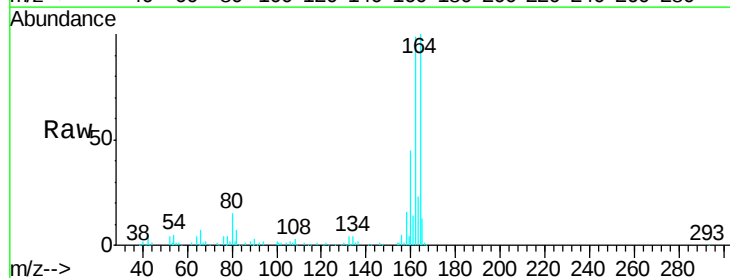
Instrument :
 BNA_G
 ClientSampleId :
 1-B

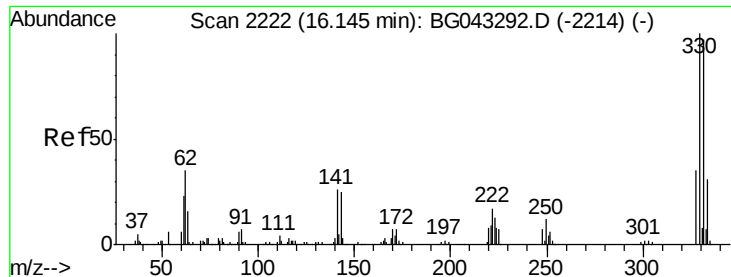
Tgt Ion:142 Resp: 15011
 Ion Ratio Lower Upper
 142 100
 141 81.1 73.2 109.8
 116 3.7 3.6 5.4



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: BG043554.D
 Acq: 8 Nov 2019 00:40

Tgt Ion:164 Resp: 86579
 Ion Ratio Lower Upper
 164 100
 162 99.0 83.5 125.3
 160 45.2 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 74.490 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

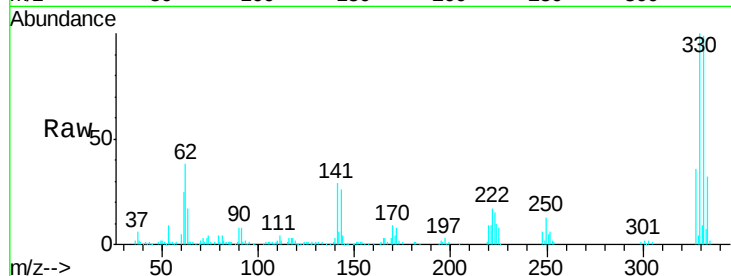
Tgt Ion:330 Resp: 122730

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

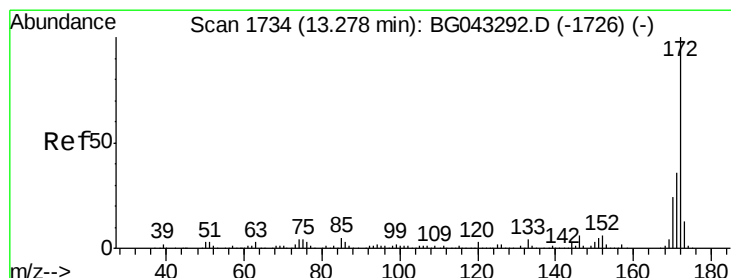
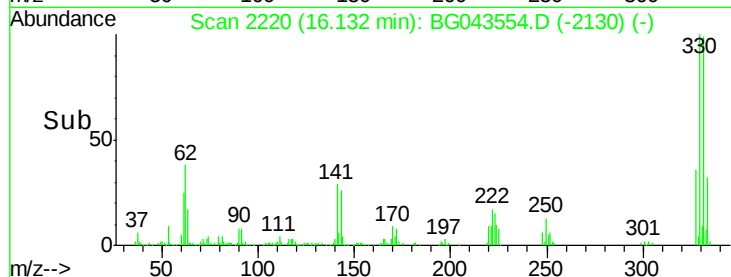
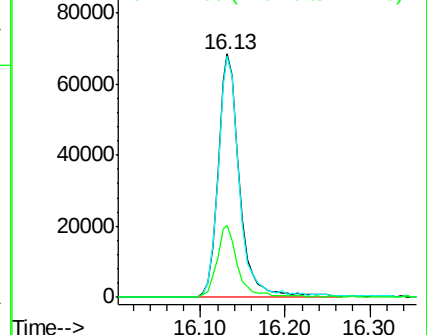
141 28.3 22.8 34.2



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: 54.262 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

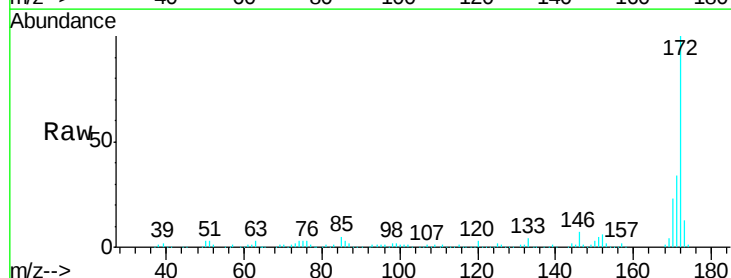
Tgt Ion:172 Resp: 339984

Ion Ratio Lower Upper

172 100

171 33.7 28.9 43.3

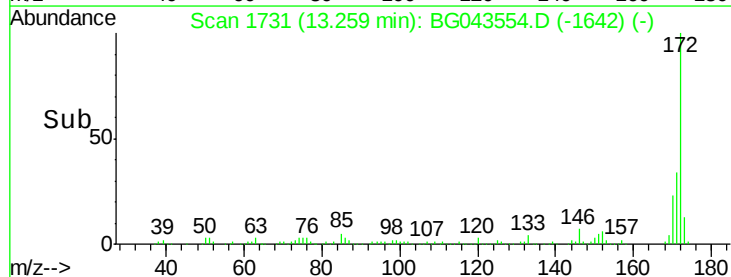
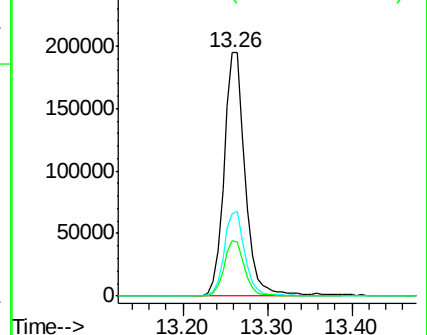
170 22.7 18.5 27.7

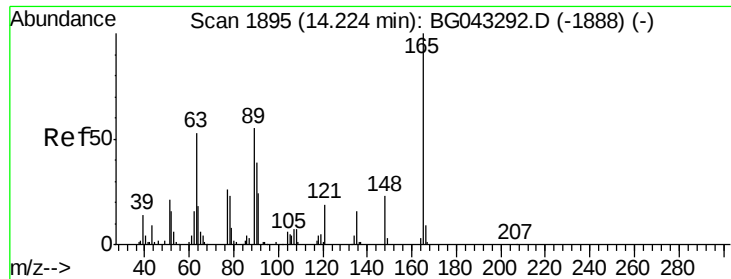


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.213 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.43 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

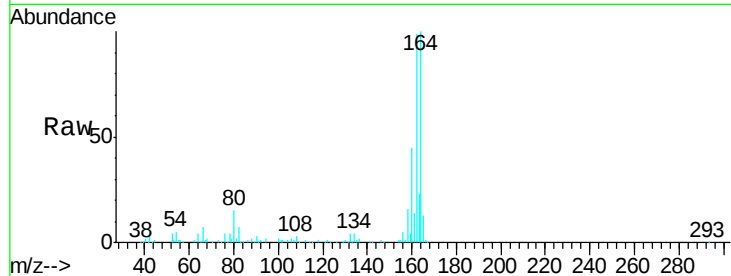
Tgt Ion:165 Resp: 11966

Ion Ratio Lower Upper

165 100

63 0.0 46.6 69.8#

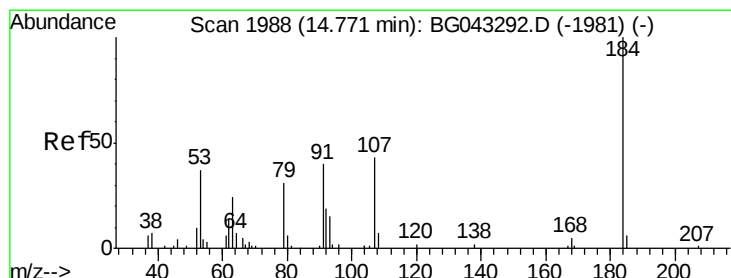
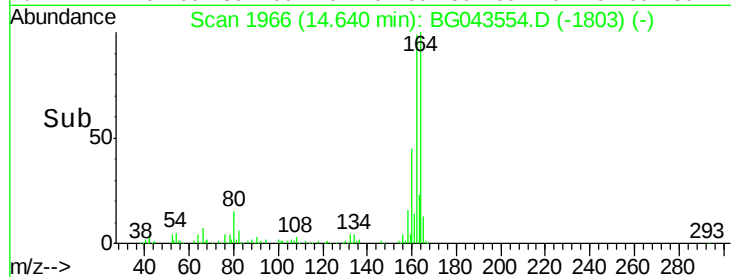
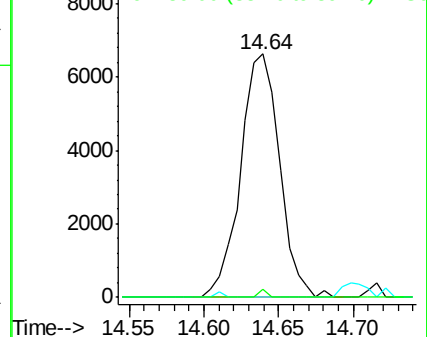
89 3.6 45.1 67.7#



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



#54

2,4-Dinitrophenol

Concen: 7.342 ng

RT: 15.19 min Scan# 2059

Delta R.T. 0.43 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

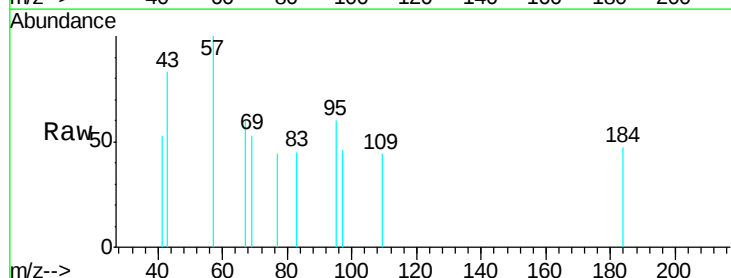
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 51.3 76.9#

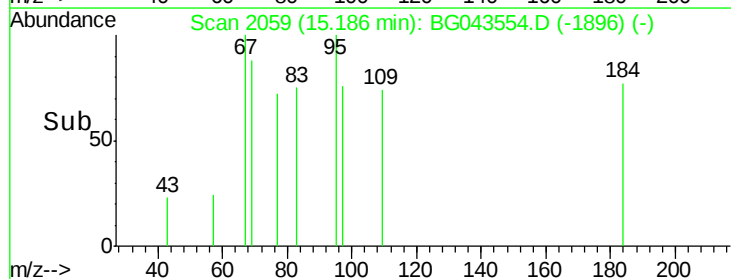
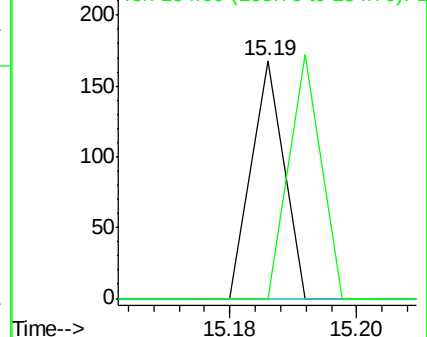
154 0.0 55.4 83.0#

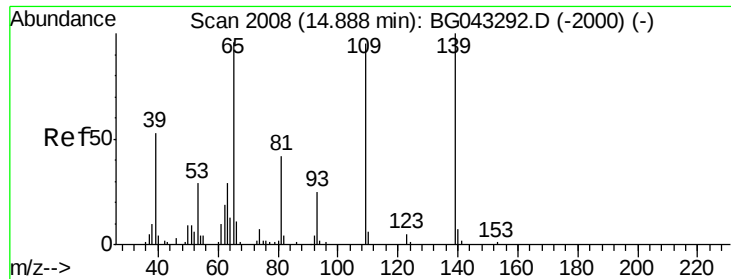


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

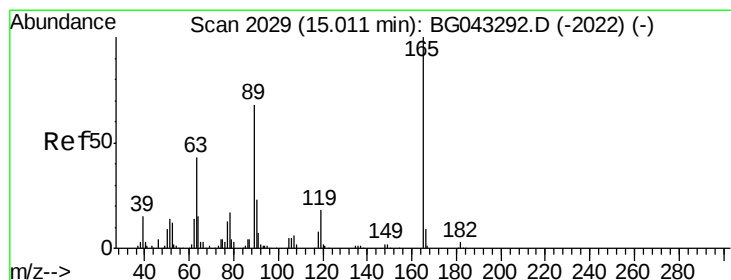
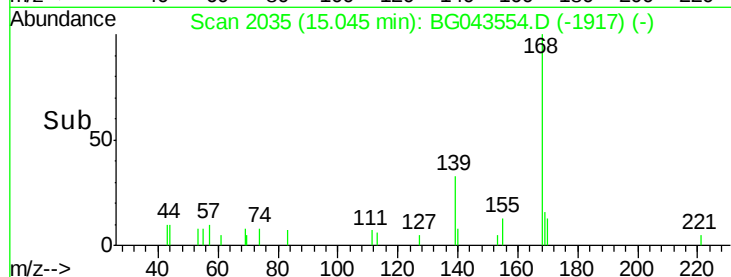
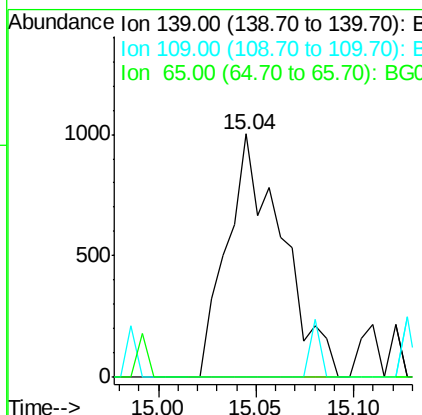
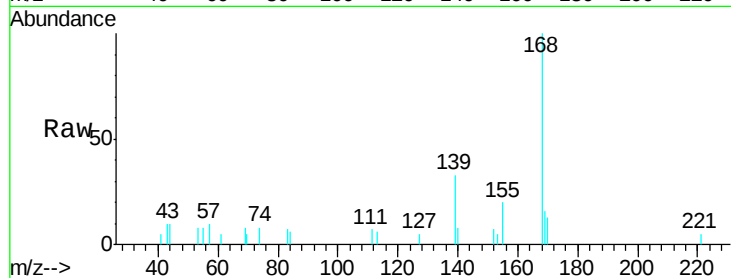




#56
4-Nitrophenol
Concen: 2.070 ng
RT: 15.04 min Scan# 2035
Delta R.T. 0.16 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

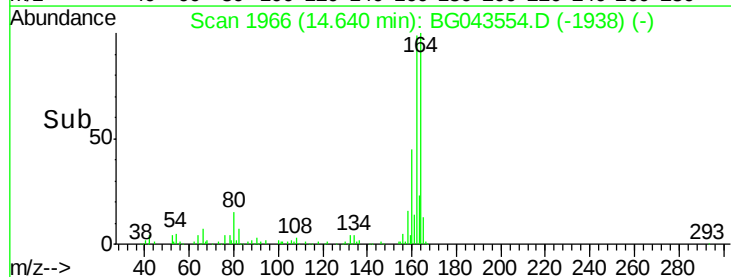
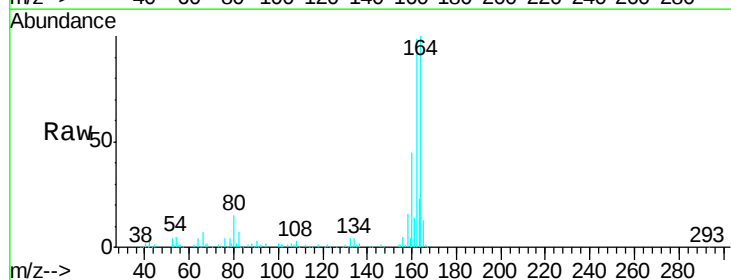
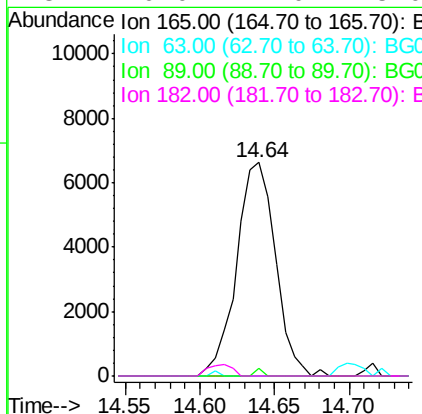
Instrument :
BNA_G
ClientSampled :
1-B

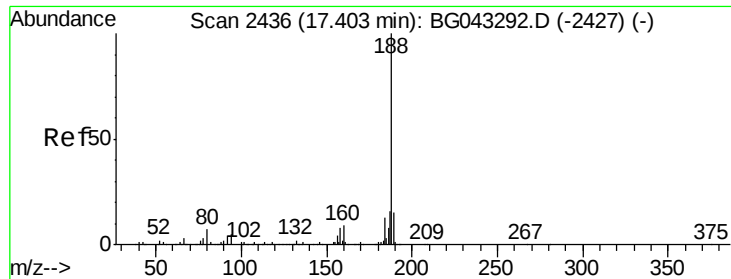
Tgt Ion:139 Resp: 1951
Ion Ratio Lower Upper
139 100
109 0.0 87.2 127.2#
65 0.0 83.8 123.8#



#57
2,4-Dinitrotoluene
Concen: 5.747 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.37 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

Tgt Ion:165 Resp: 11966
Ion Ratio Lower Upper
165 100
63 0.0 33.2 49.8#
89 3.6 52.2 78.4#
182 0.0 2.0 3.0#

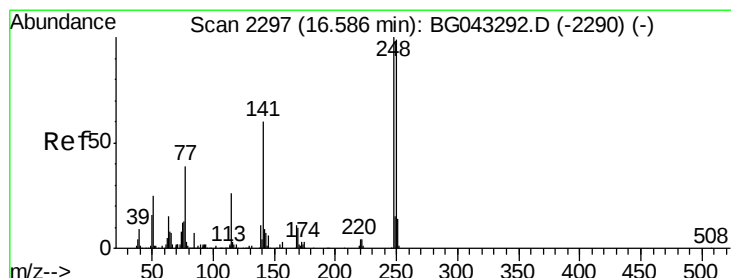
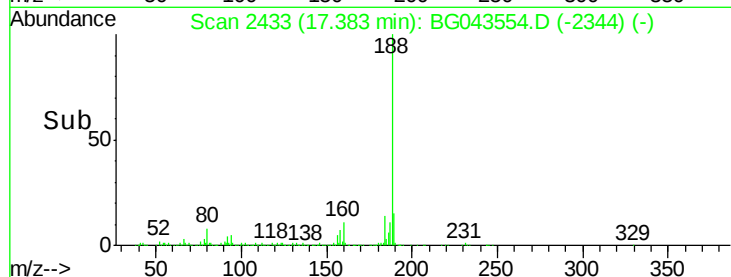
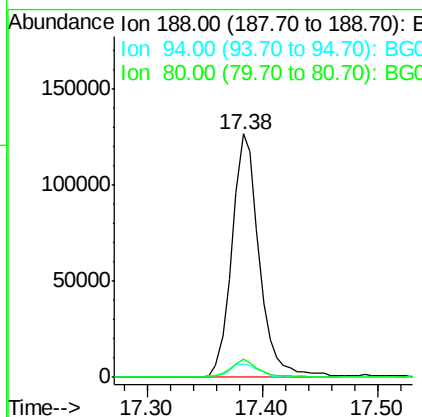
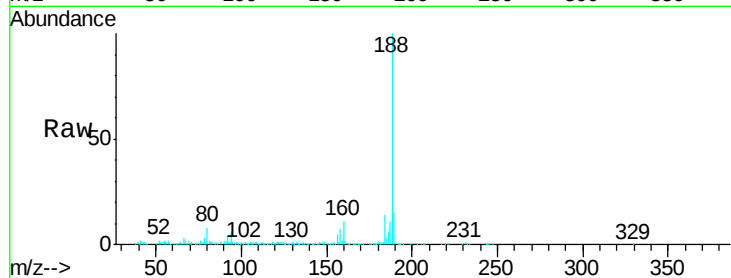




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

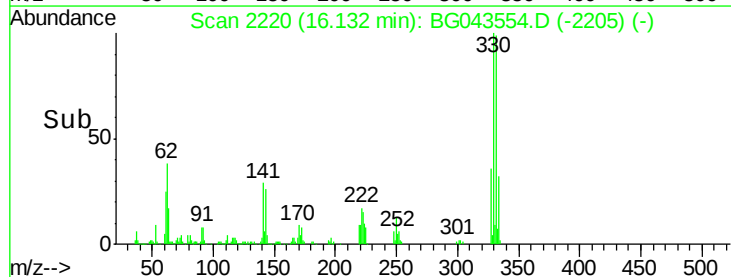
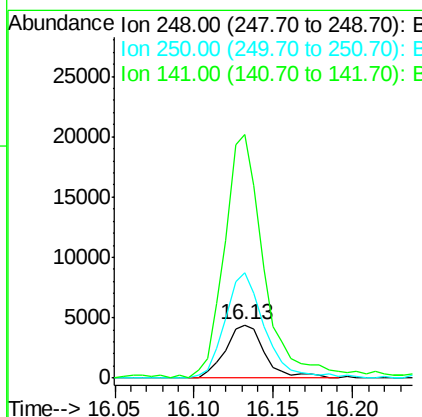
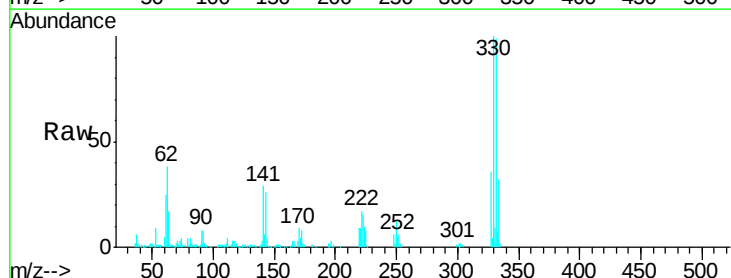
Instrument :
BNA_G
ClientSampleId :
1-B

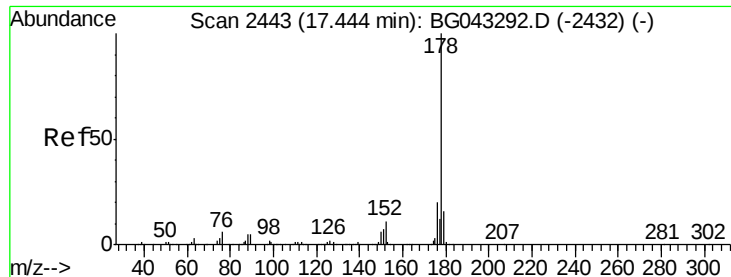
Tgt Ion:188 Resp: 207801
Ion Ratio Lower Upper
188 100
94 5.6 4.2 6.4
80 7.7 4.5 6.7#



#67
4-Bromophenyl-phenylether
Concen: 2.704 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.44 min
Lab File: BG043554.D
Acq: 8 Nov 2019 00:40

Tgt Ion:248 Resp: 7561
Ion Ratio Lower Upper
248 100
250 197.5 77.0 115.4#
141 457.0 47.5 71.3#





#71

Phenanthrene

Concen: 2.831 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

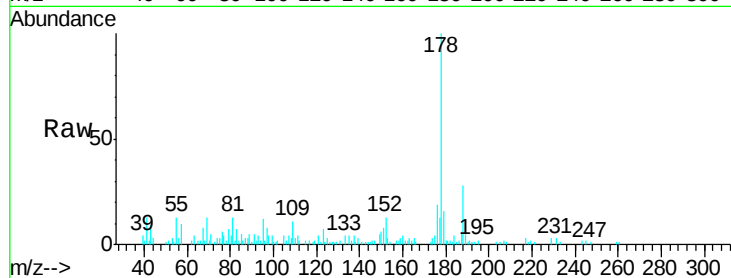
Tgt Ion:178 Resp: 30126

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

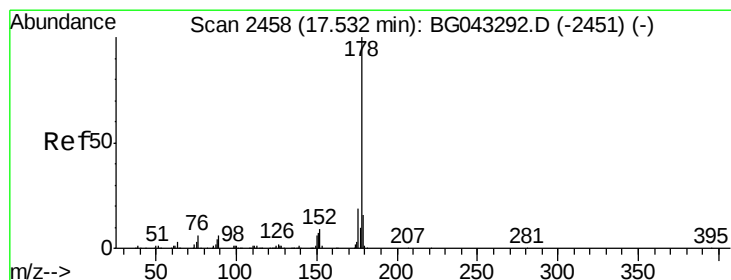
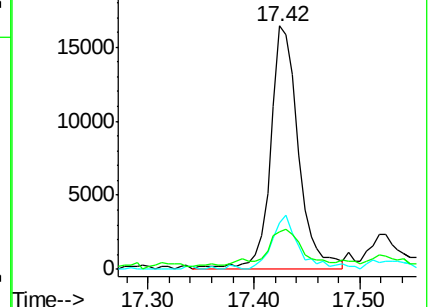
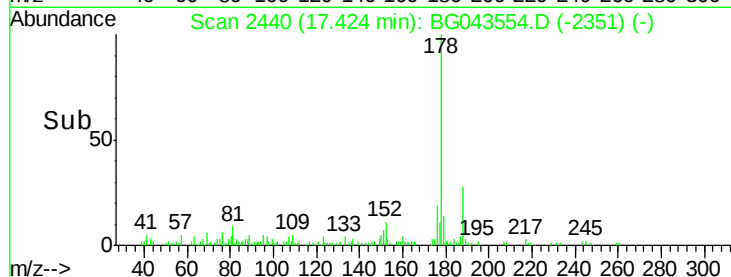
179 15.6 13.0 19.6



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: 2.830 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.10 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

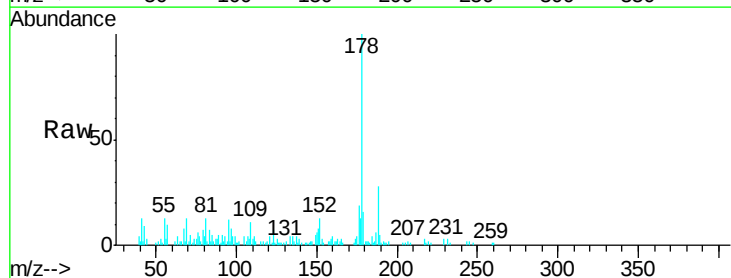
Tgt Ion:178 Resp: 30126

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

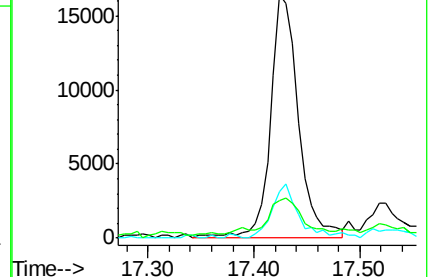
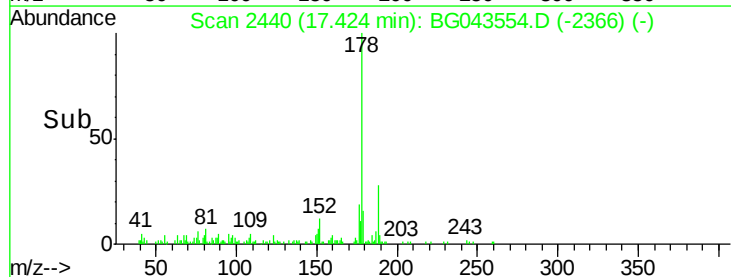
179 15.6 13.7 20.5

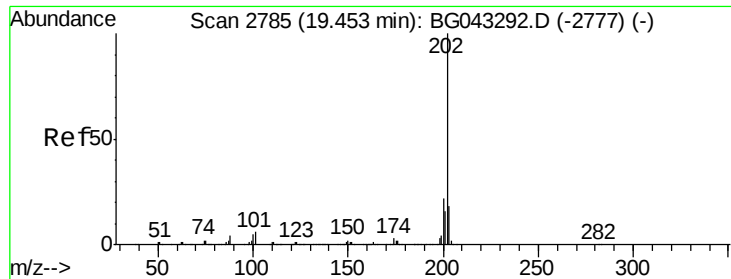


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.427 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

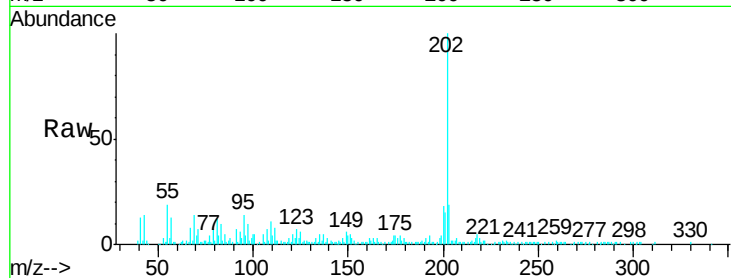
Instrument :

BNA_G

ClientSampleId :

1-B

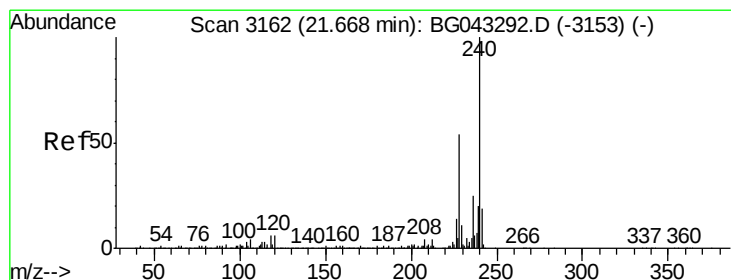
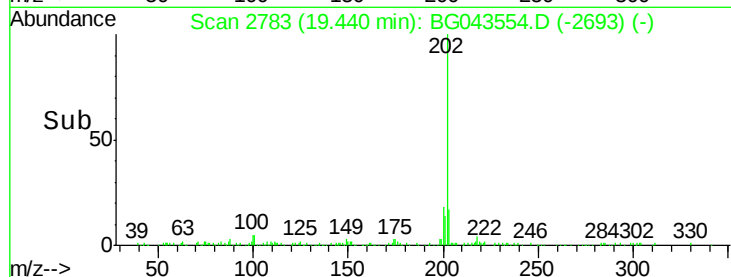
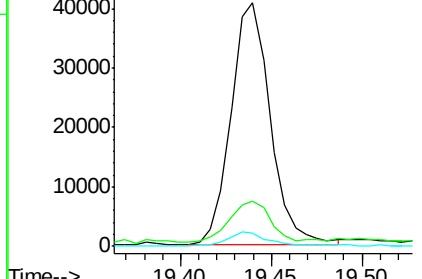
Tgt Ion:	202	Resp:	61419
Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	26.3
203	18.8	0.0	37.9



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

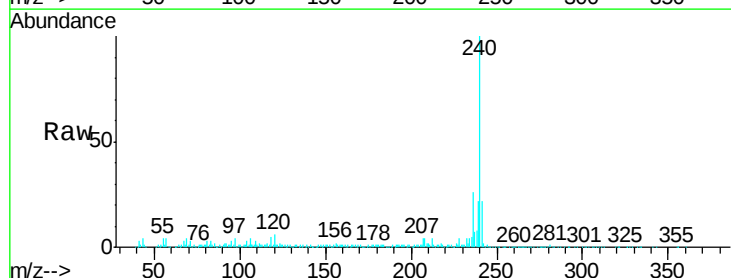
RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

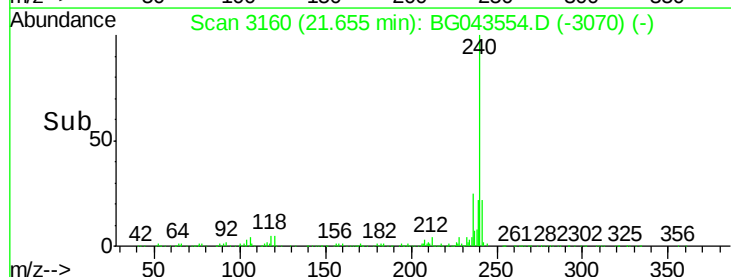
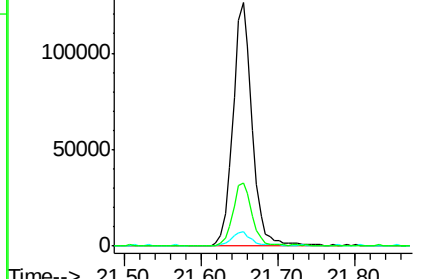
Tgt Ion:	240	Resp:	220996
Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.6	6.8
236	25.8	19.8	29.8

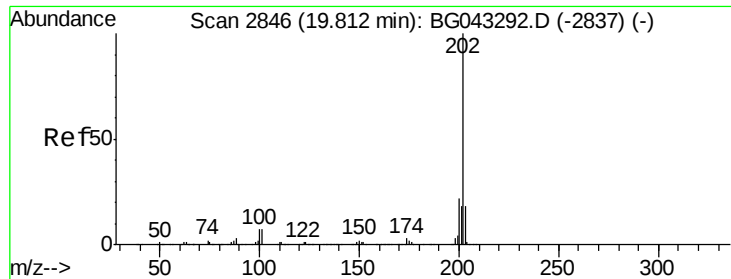


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

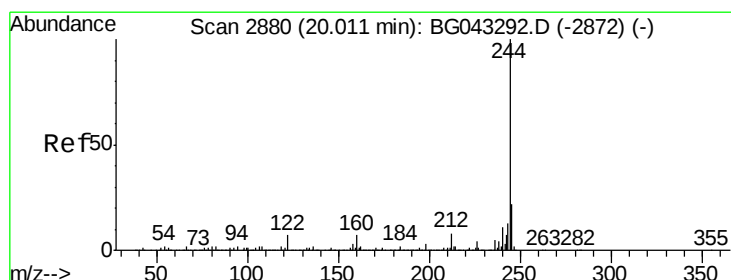
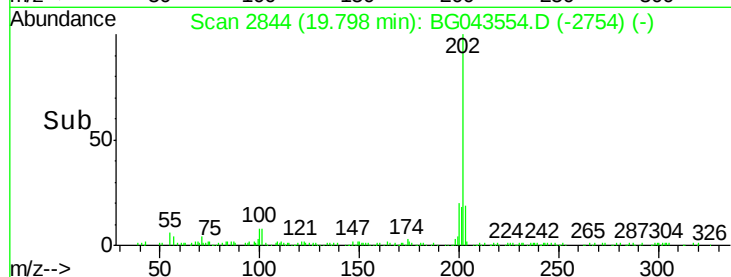
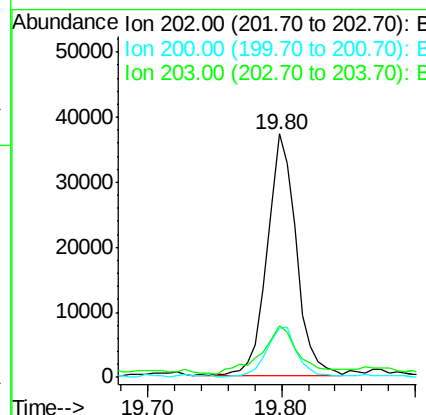
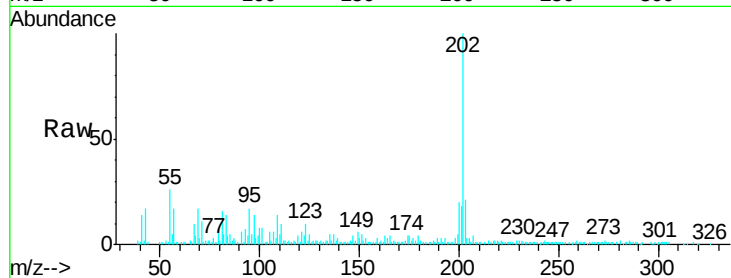




#78
 Pyrene
 Concen: 4.080 ng
 RT: 19.80 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BG043554.D
 Acq: 8 Nov 2019 00:40

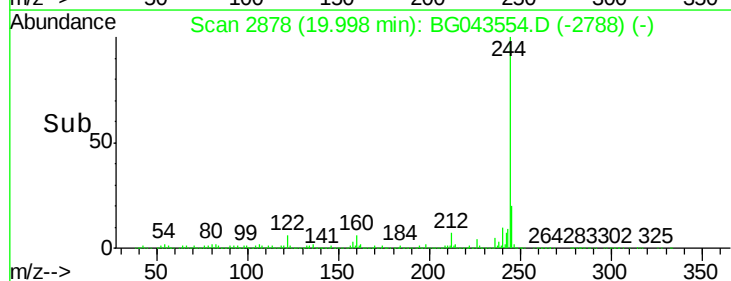
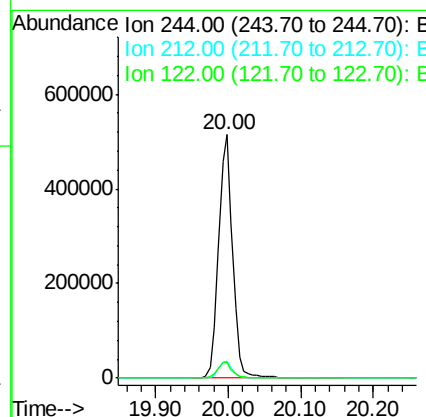
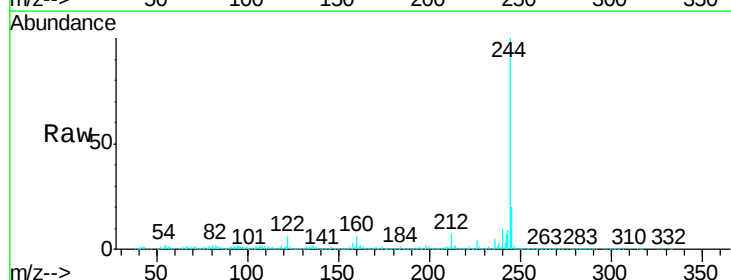
Instrument :
 BNA_G
 ClientSampleId :
 1-B

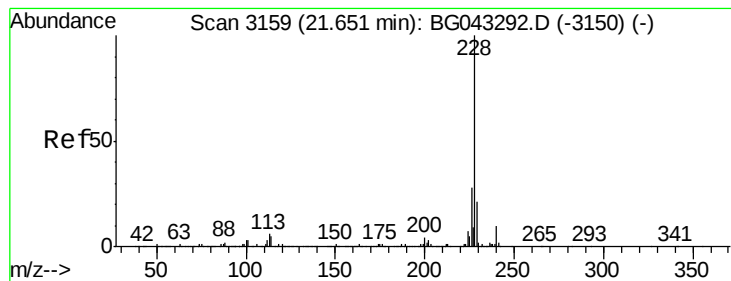
Tgt Ion:202 Resp: 55813
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.0 25.4
 203 21.3 14.7 22.1



#79
 Terphenyl-d14
 Concen: 58.781 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BG043554.D
 Acq: 8 Nov 2019 00:40

Tgt Ion:244 Resp: 692425
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 6.4 5.4 8.2





#81

Benzo(a)anthracene

Concen: 2.170 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampled :

1-B

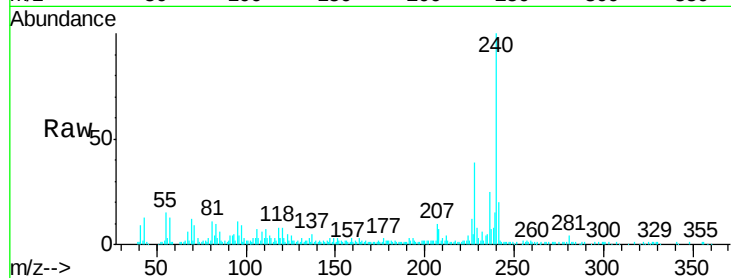
Tgt Ion:228 Resp: 30041

Ion Ratio Lower Upper

228 100

226 30.1 22.2 33.2

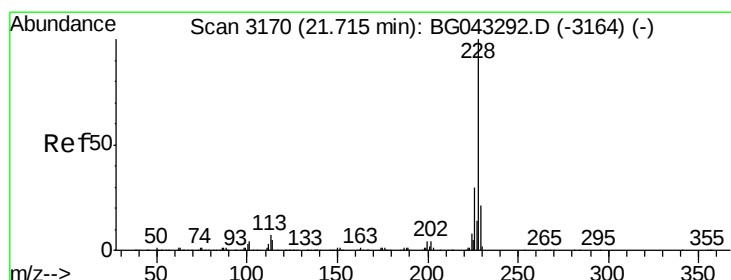
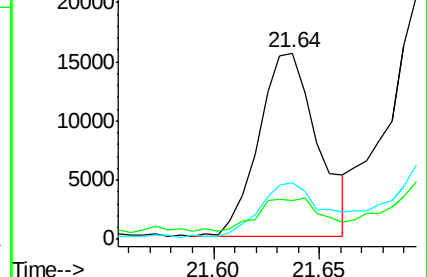
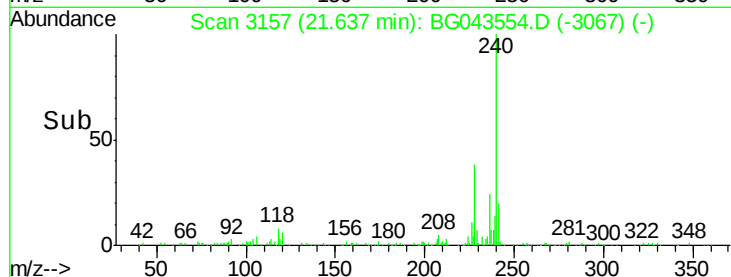
229 20.9 17.0 25.4



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: 3.134 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

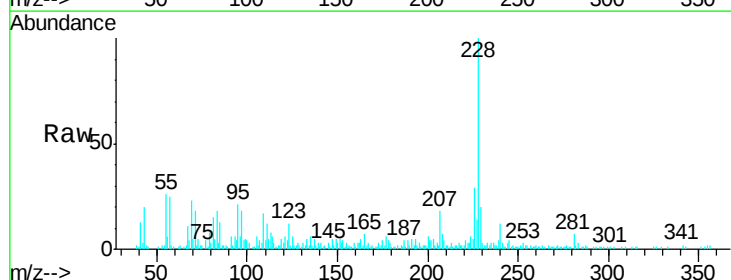
Tgt Ion:228 Resp: 43107

Ion Ratio Lower Upper

228 100

226 29.0 25.1 37.7

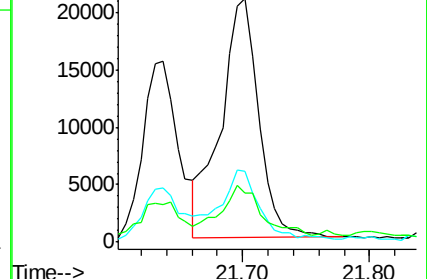
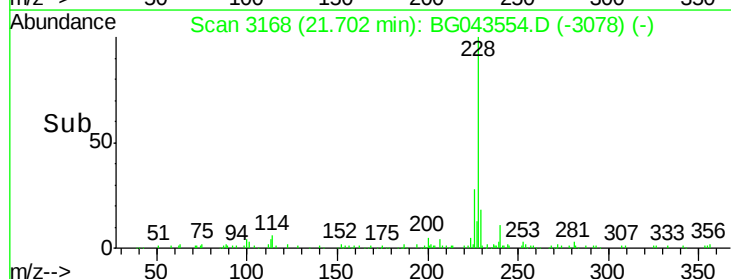
229 20.2 17.0 25.4

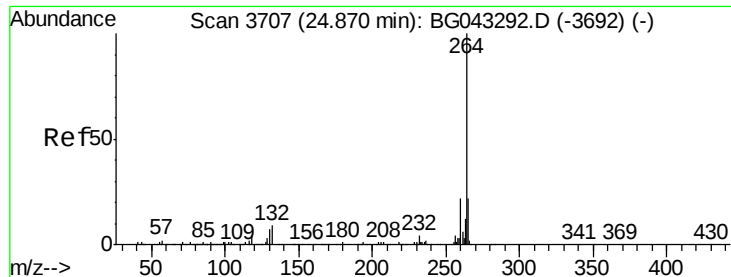


Abundance Ion 228.00 (227.70 to 228.70): E

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: 24.85 min Scan# 3703

Delta R.T. -0.01 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B

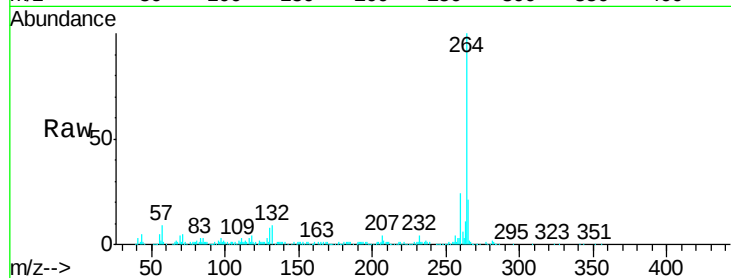
Tgt Ion:264 Resp: 256190

Ion Ratio Lower Upper

264 100

260 24.0 17.5 26.3

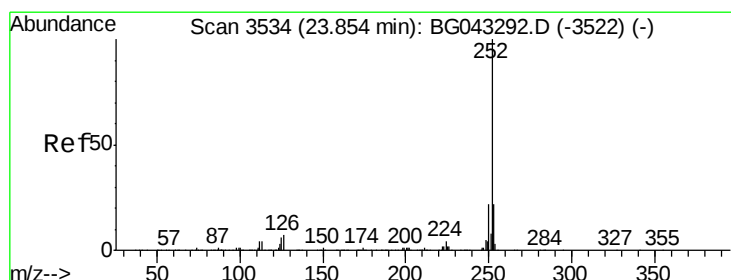
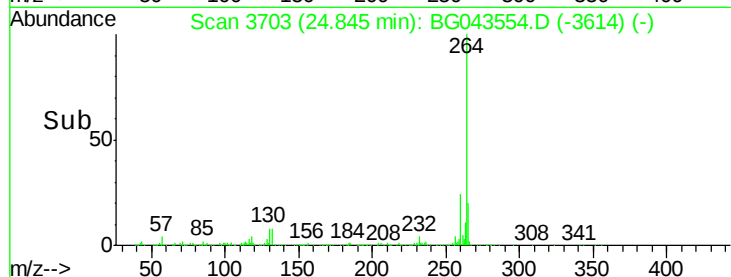
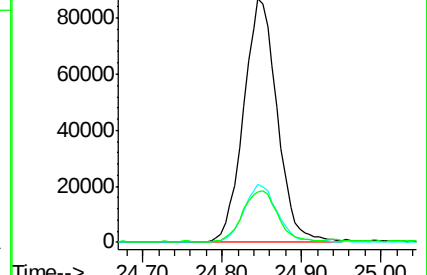
265 20.8 17.4 26.0



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: 4.302 ng

RT: 23.83 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG043554.D

Acq: 8 Nov 2019 00:40

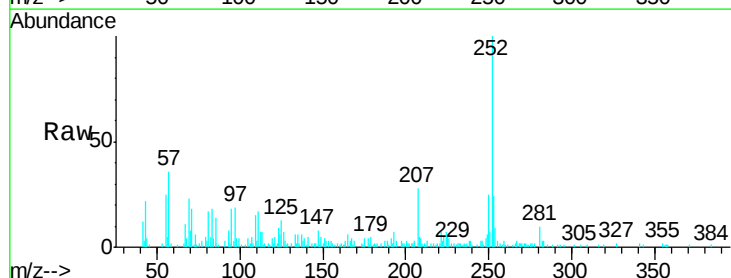
Tgt Ion:252 Resp: 62415

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

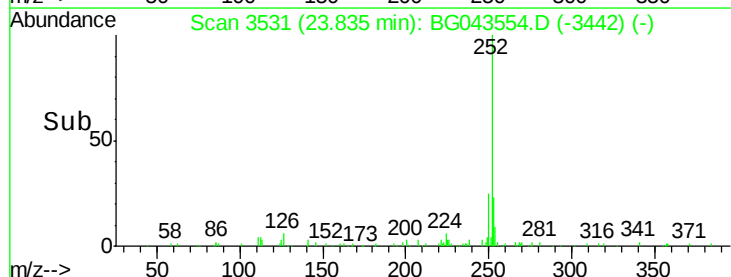
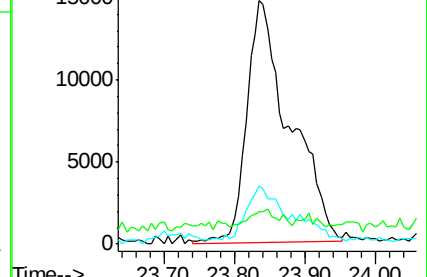
125 13.3 4.5 6.7#

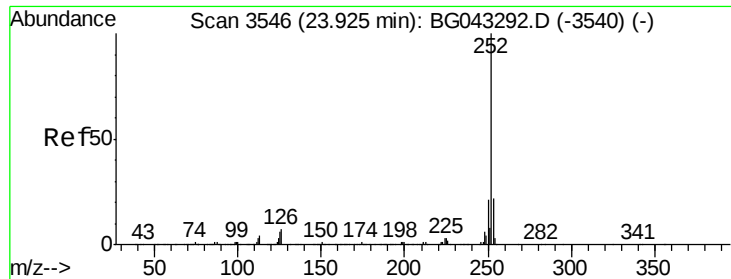


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.273 ng

RT: 23.83 min Scan# 3531

Delta R.T. -0.07 min

Lab File: BG043554.D

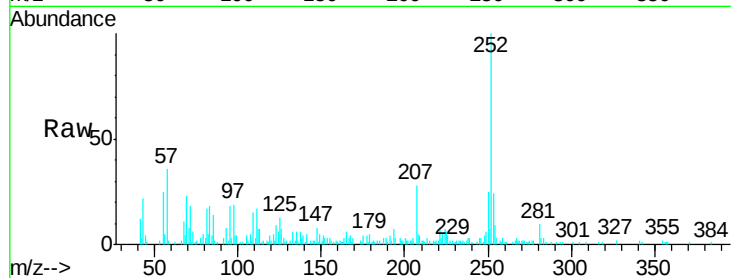
Acq: 8 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

1-B



Tgt Ion:	252	Resp:	62415
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.3	25.9
125	13.3	4.6	6.8

