

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
 Data File : BG043643.D
 Acq On : 14 Nov 2019 21:06
 Operator : JU
 Sample : K5813-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-B

Quant Time: Nov 15 01:01:06 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

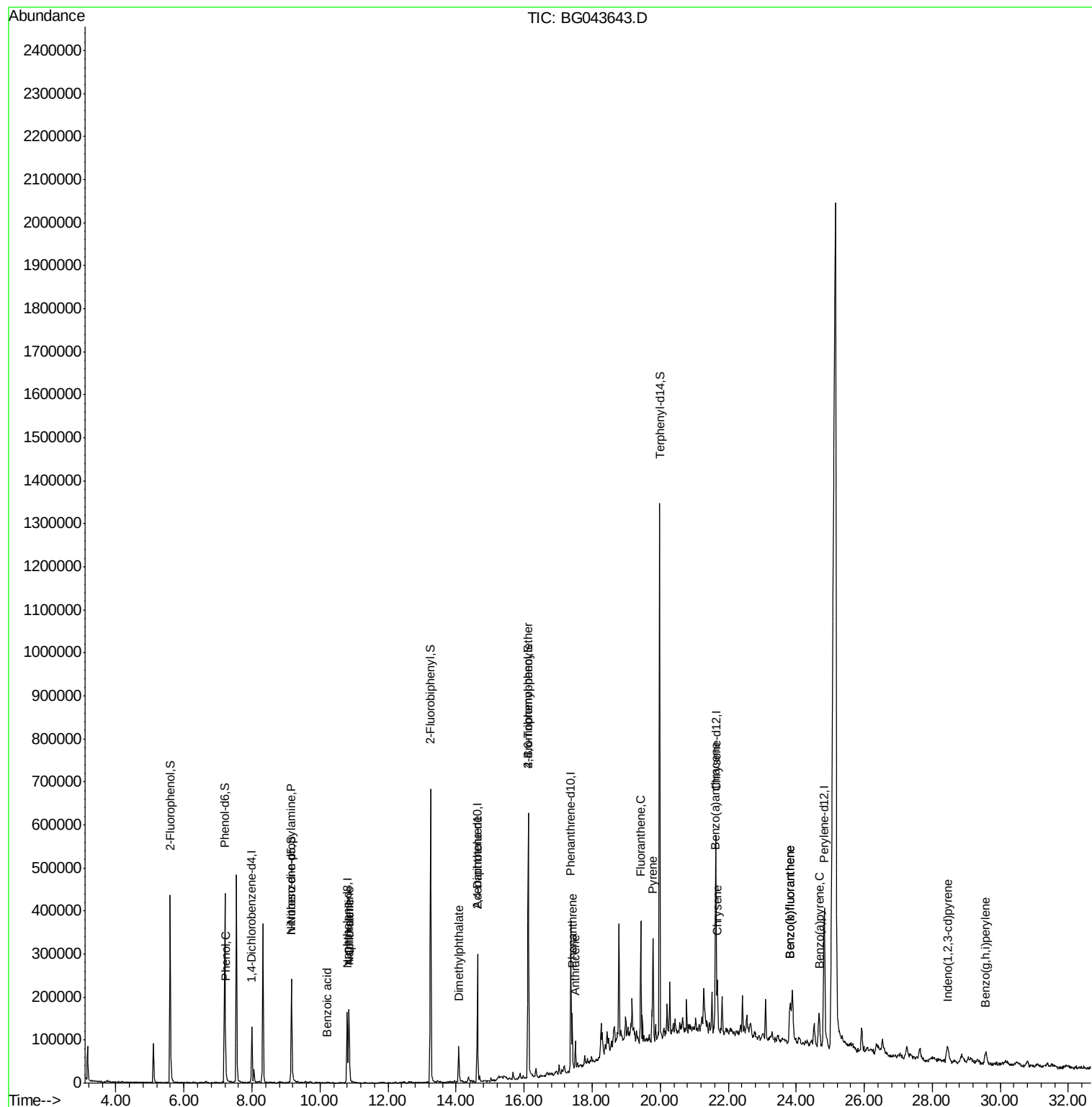
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	38993	20.00	ng	-0.01
21) Naphthalene-d8	10.80	136	150958	20.00	ng	-0.01
39) Acenaphthene-d10	14.63	164	104597	20.00	ng	-0.01
64) Phenanthrene-d10	17.37	188	237189	20.00	ng	-0.02
76) Chrysene-d12	21.64	240	257158	20.00	ng	-0.02
87) Perylene-d12	24.82	264	309031	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	202358	95.10	ng	0.00
7) Phenol-d6	7.20	99	281103	91.82	ng	0.00
23) Nitrobenzene-d5	9.16	82	168743	57.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.12	330	148195	74.45	ng	-0.01
45) 2-Fluorobiphenyl	13.25	172	403859	53.35	ng	-0.02
79) Terphenyl-d14	19.99	244	658722	48.06	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.22	94	16666	5.957	ng	83
19) n-Nitroso-di-n-propylamine	9.16	70	23416	11.836	ng	# 77
31) Naphthalene	10.85	128	152463	19.897	ng	98
32) Benzoic acid	10.21	122	63	9.084	ng	# 1
33) 4-Chloroaniline	10.85	127	20456	6.513	ng	# 39
50) Dimethylphthalate	14.07	163	61131	7.545	ng	98
57) 2,4-Dinitrotoluene	14.63	165	14247	5.664	ng	# 27
67) 4-Bromophenyl-phenylether	16.12	248	9521	2.983	ng	# 1
71) Phenanthrene	17.41	178	86680	7.137	ng	99
72) Anthracene	17.51	178	47070	3.873	ng	98
75) Fluoranthene	19.43	202	179076	11.309	ng	99
78) Pyrene	19.79	202	167144	10.500	ng	100
81) Benzo(a)anthracene	21.62	228	97777	6.070	ng	98
83) Chrysene	21.68	228	90402	5.648	ng	98
86) Indeno(1,2,3-cd)pyrene	28.44	276	62487	3.110	ng	97
88) Benzo(b)fluoranthene	23.81	252	122533	7.001	ng	# 99
89) Benzo(k)fluoranthene	23.81	252	122533	6.954	ng	# 98
90) Benzo(a)pyrene	24.67	252	91888	5.498	ng	96
92) Benzo(a,h,i)perylene	29.56	276	62265	3.692	ng	# 87

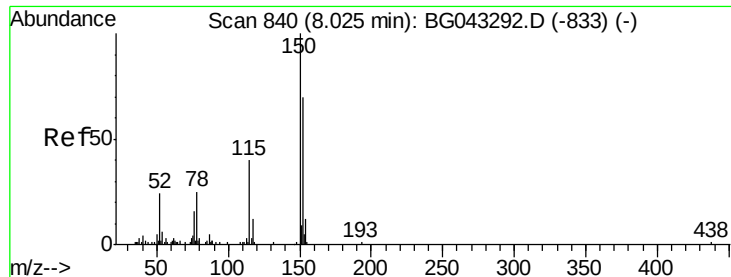
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111419\
Data File : BG043643.D
Acq On : 14 Nov 2019 21:06
Operator : JU
Sample : K5813-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-B

Quant Time: Nov 15 01:01:06 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



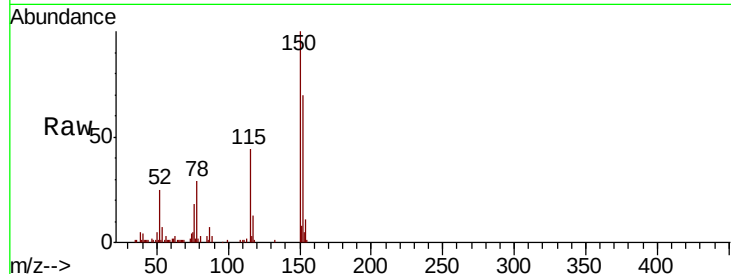


#1

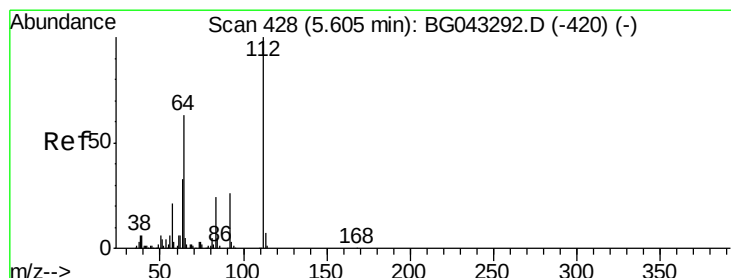
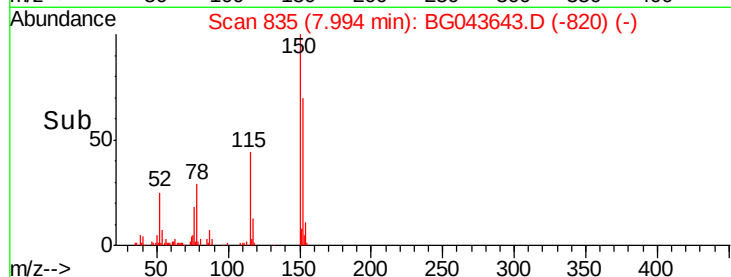
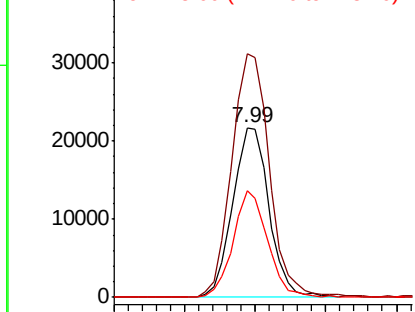
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion:152 Resp: 38993
Ion Ratio Lower Upper
152 100
150 143.5 129.4 194.0
115 63.0 48.8 73.2



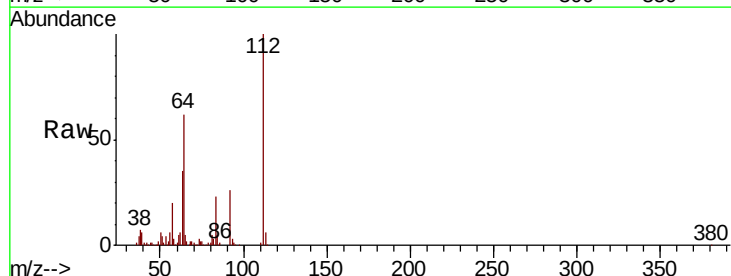
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



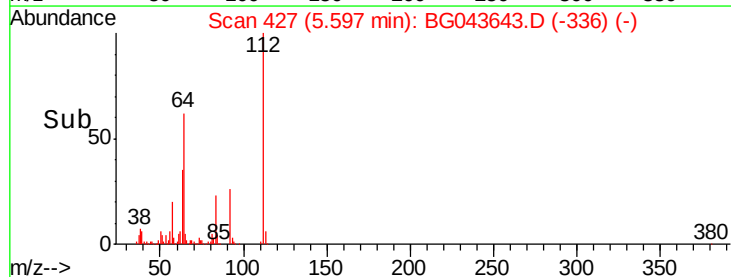
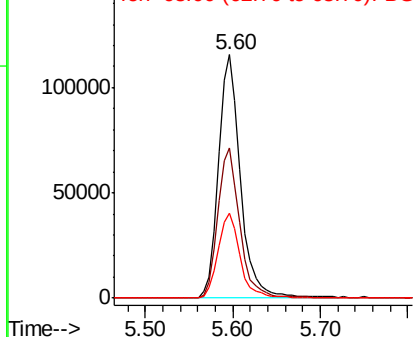
#5

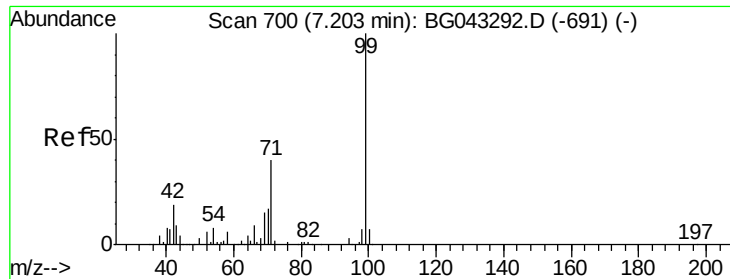
2-Fluorophenol
Concen: 95.097 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion:112 Resp: 202358
Ion Ratio Lower Upper
112 100
64 61.8 50.0 75.0
63 34.8 26.6 40.0



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: 91.816 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

ClientSampleId :

SP-B

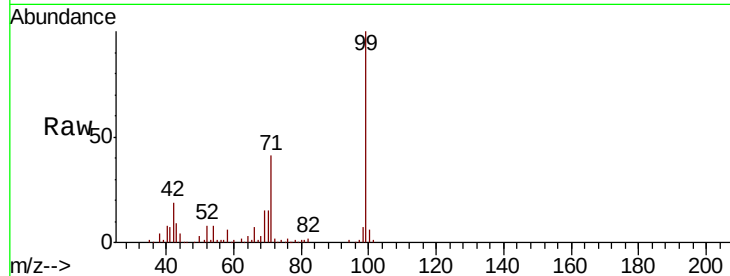
Tot Ion: 99 Resp: 281103

Ion Ratio Lower Upper

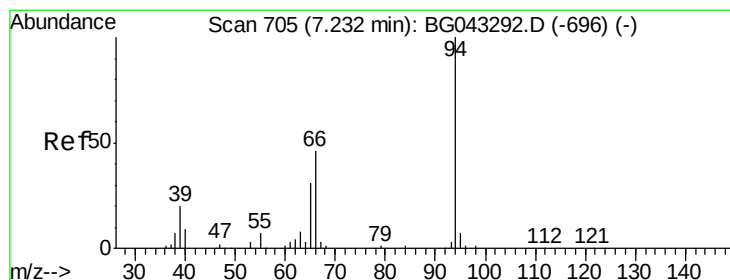
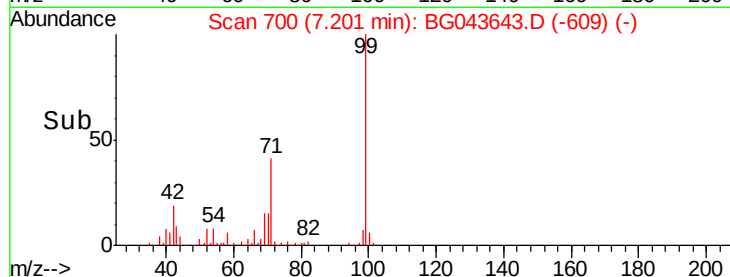
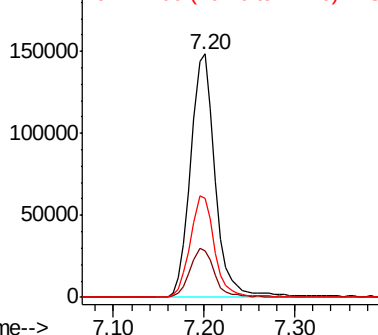
99 100

42 19.1 14.6 21.8

71 40.8 32.5 48.7



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



#10

Phenol

Concen: 5.957 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

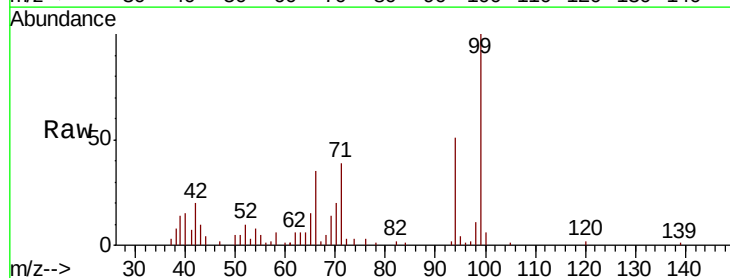
Tgt Ion: 94 Resp: 16666

Ion Ratio Lower Upper

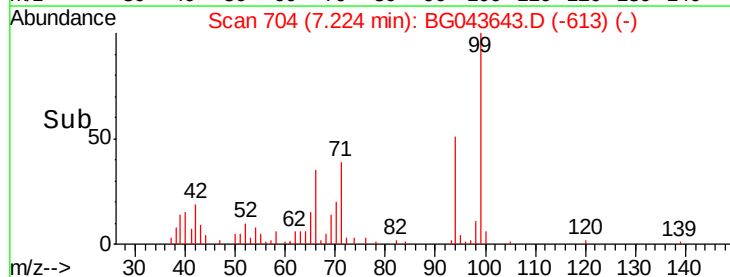
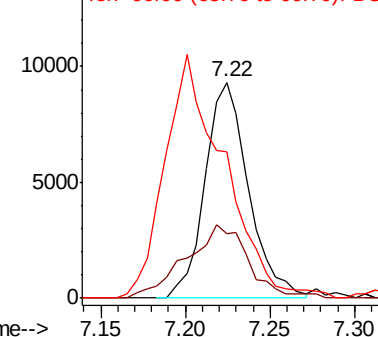
94 100

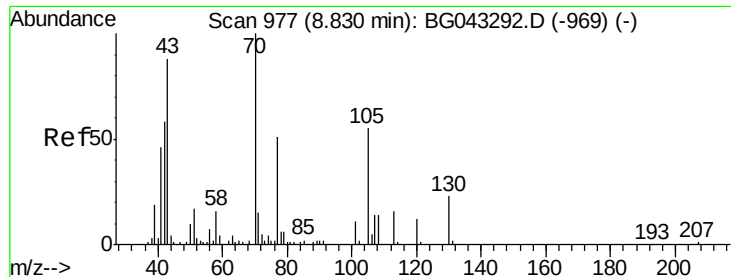
65 29.9 12.6 52.6

66 67.6 30.7 70.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

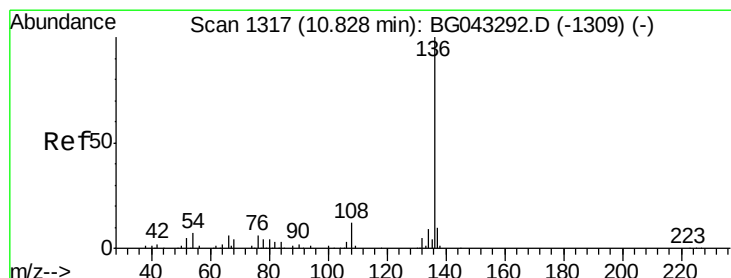
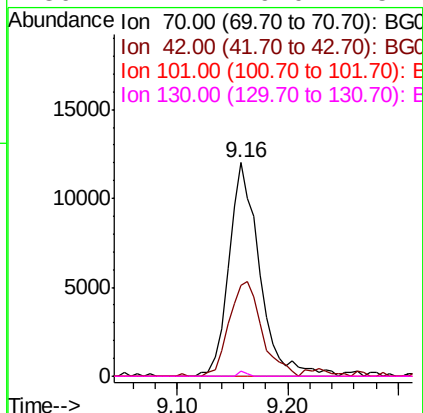
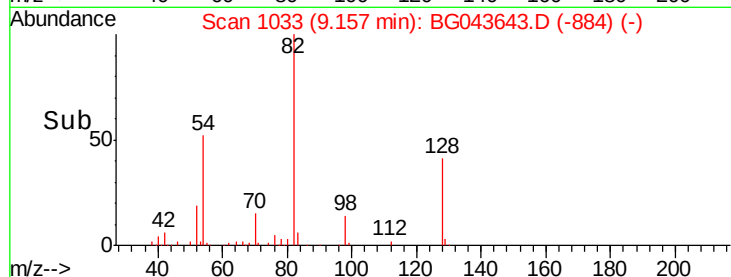
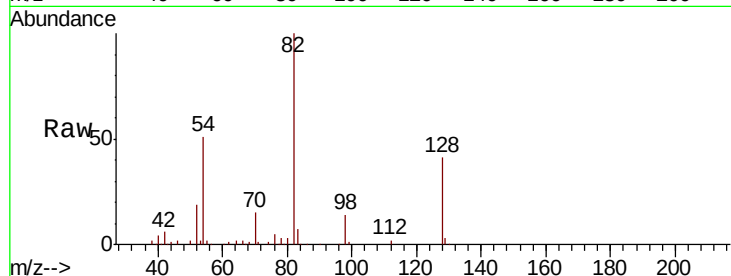




#19
n-Nitroso-di-n-propylamine
Concen: 11.836 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

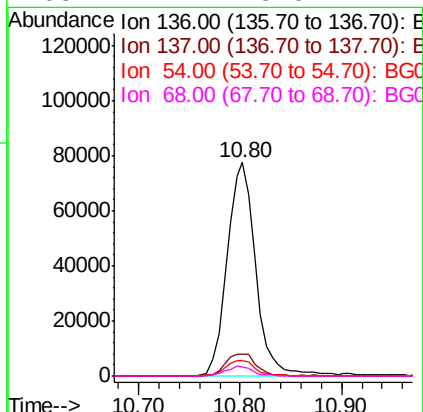
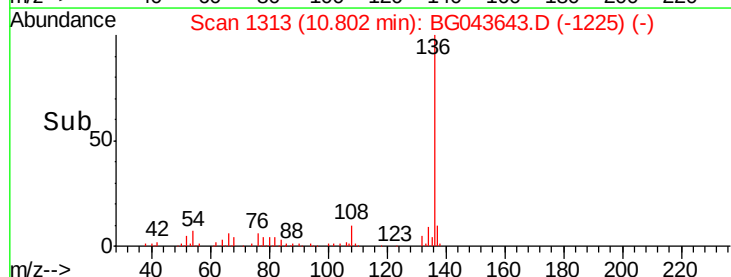
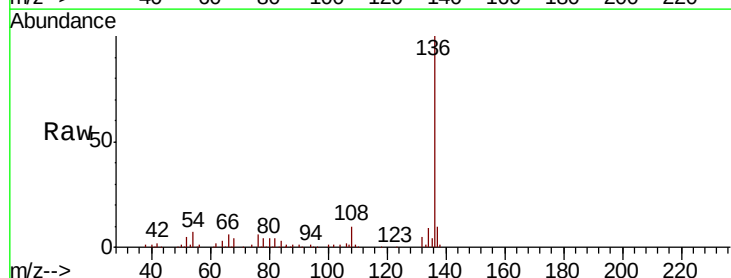
Instrument :
BNA_G
ClientSampleId :
SP-B

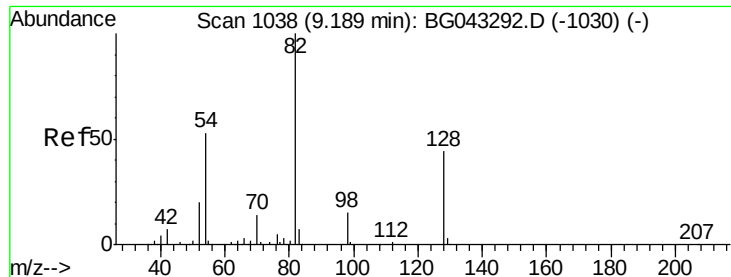
Tot Ion: 70 Resp: 23416
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.2
101 0.0 7.9 11.9#
130 2.4 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion: 136 Resp: 150958
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 7.4 5.4 8.2
68 4.2 3.0 4.4

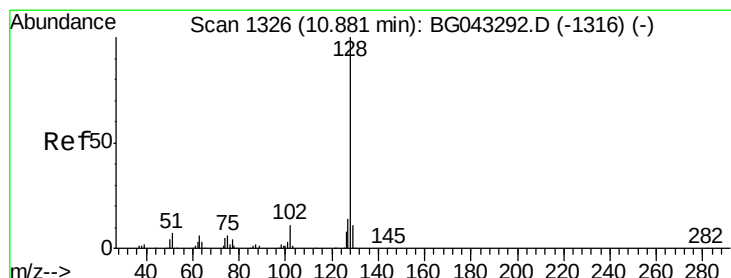
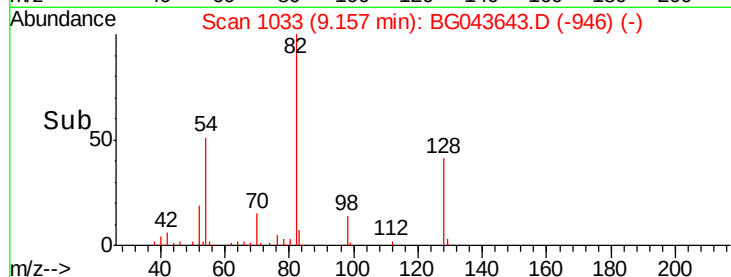
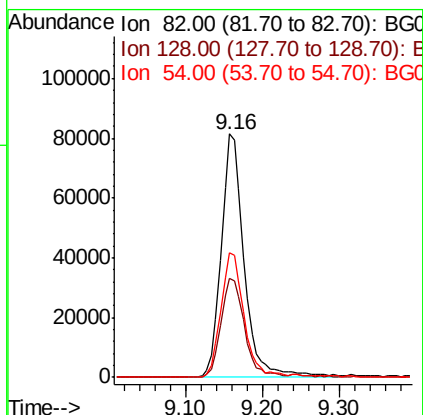
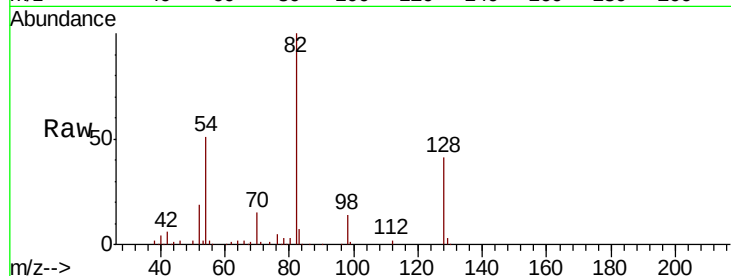




#23
Nitrobenzene-d5
Concen: 57.628 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

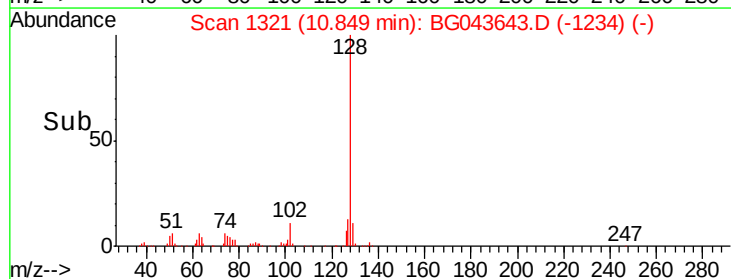
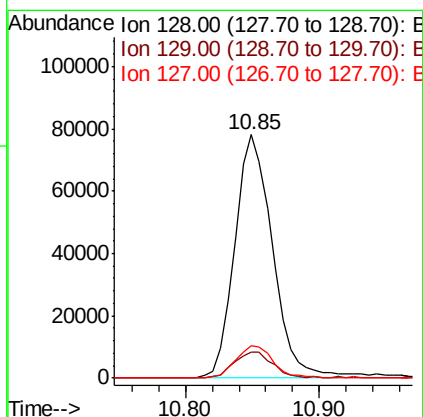
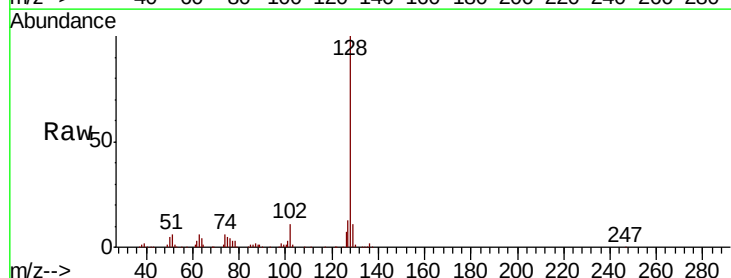
Instrument :
BNA_G
ClientSampled :
SP-B

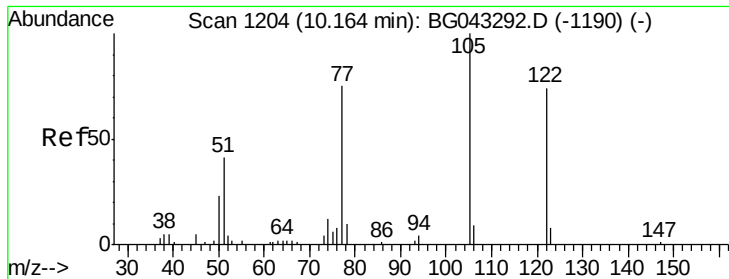
Tot Ion: 82 Resp: 168743
Ion Ratio Lower Upper
82 100
128 40.8 35.0 52.6
54 51.4 40.2 60.2



#31
Naphthalene
Concen: 19.897 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion:128 Resp: 152463
Ion Ratio Lower Upper
128 100
129 10.6 9.4 14.0
127 13.4 11.1 16.7

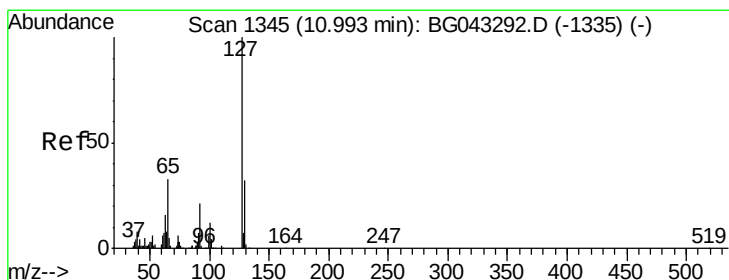
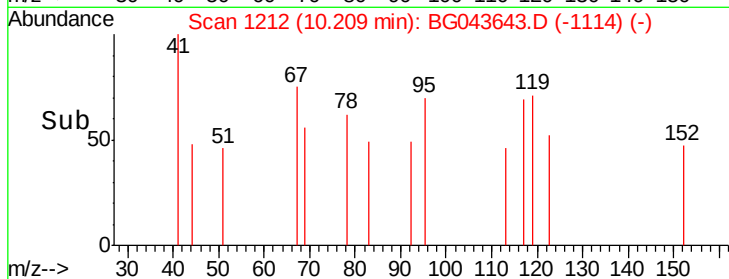
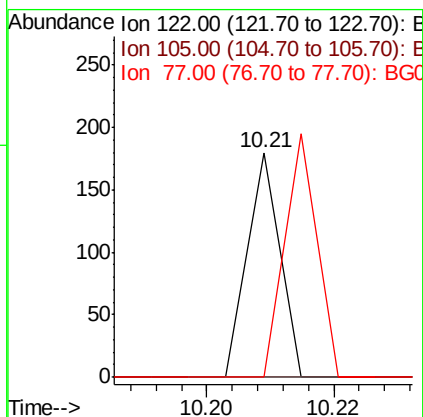
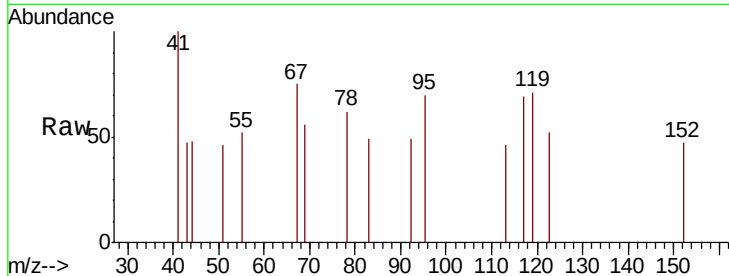




#32
Benzoic acid
Concen: 9.084 ng
RT: 10.21 min Scan# 1212
Delta R.T. 0.05 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

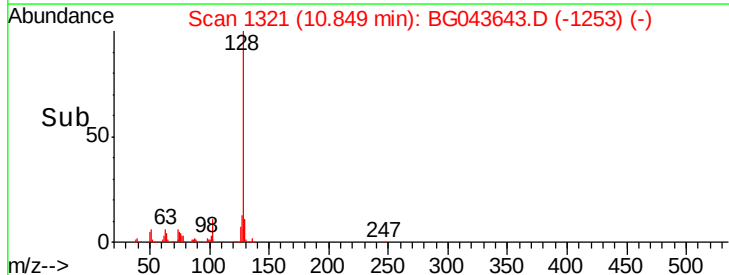
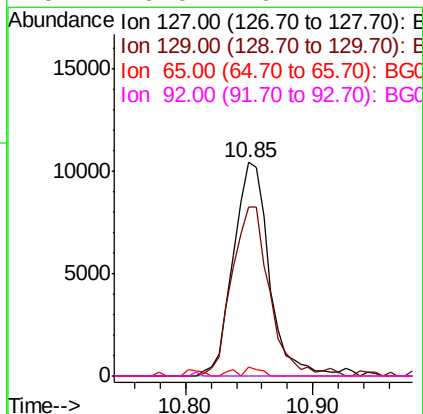
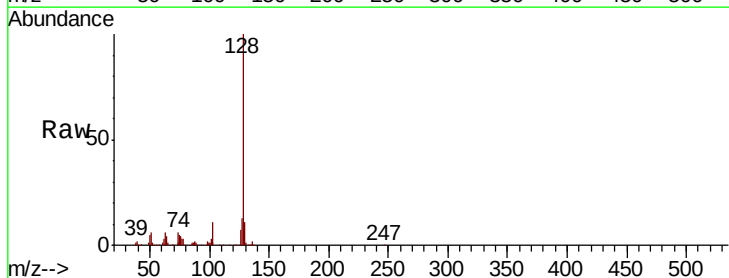
Instrument :
BNA_G
ClientSampled :
SP-B

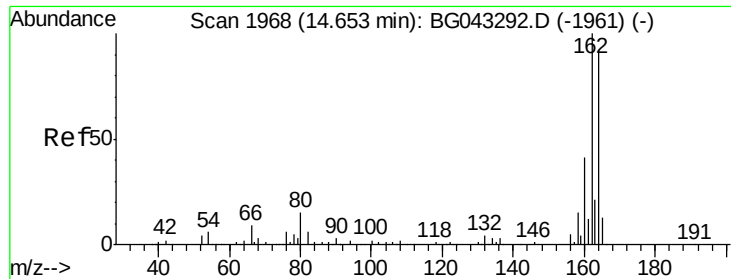
Tot Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 84.9 124.9#



#33
4-Chloroaniline
Concen: 6.513 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.13 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion:127 Resp: 20456
Ion Ratio Lower Upper
127 100
129 79.2 26.5 39.7#
65 4.4 26.4 39.6#
92 0.0 16.2 24.2#

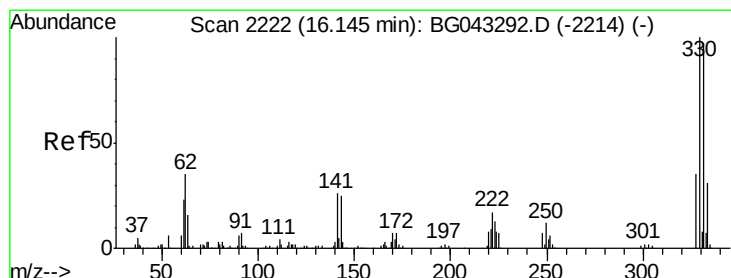
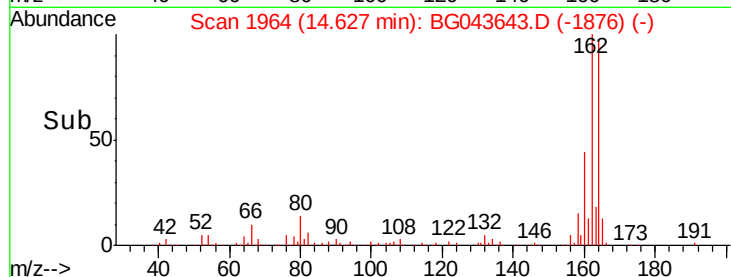
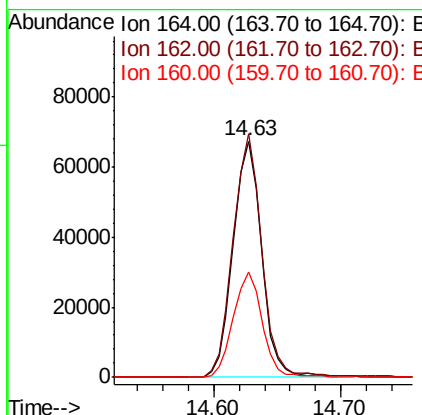
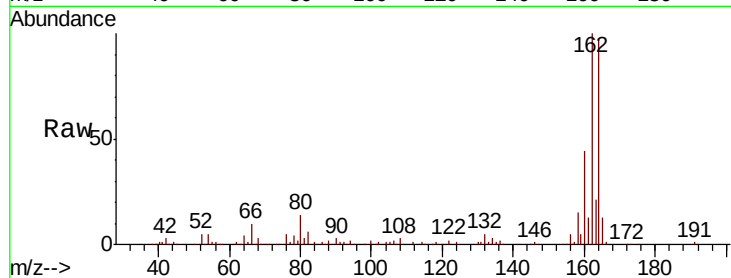




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BG043643.D
 Acq: 14 Nov 2019 21:06

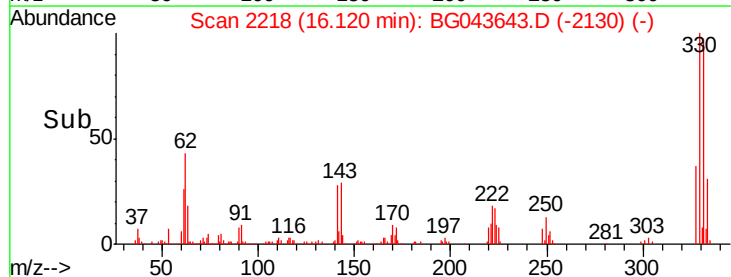
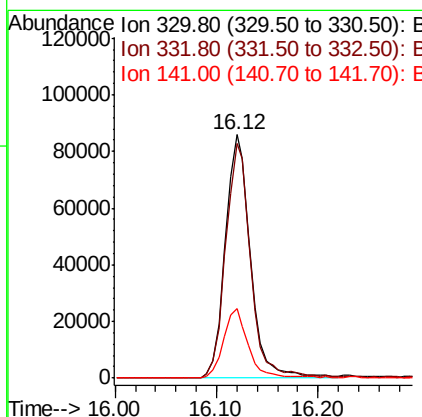
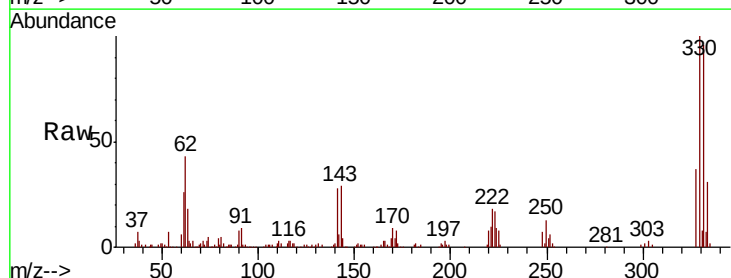
Instrument :
 BNA_G
 ClientSampleId :
 SP-B

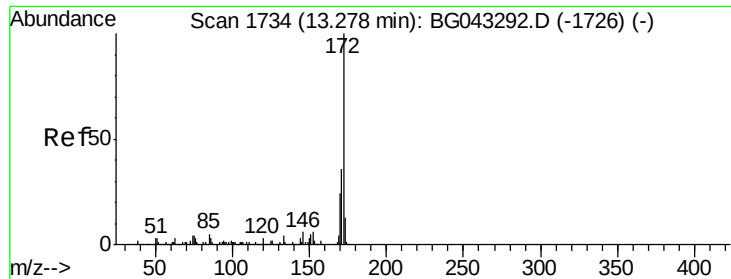
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.5	125.3
160	44.9	36.5	54.7



#42
 2,4,6-Tribromophenol
 Concen: 74.452 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG043643.D
 Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.0
141	27.3	22.8	34.2

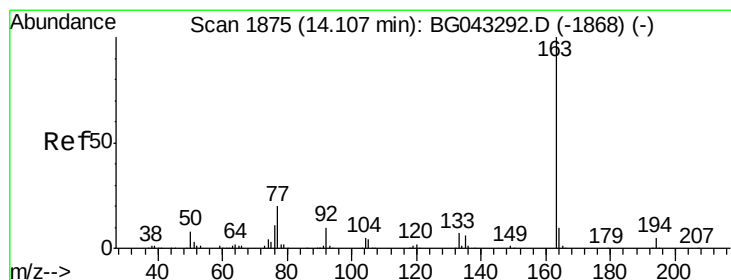
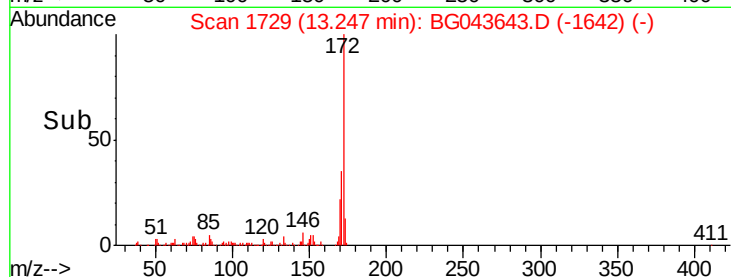
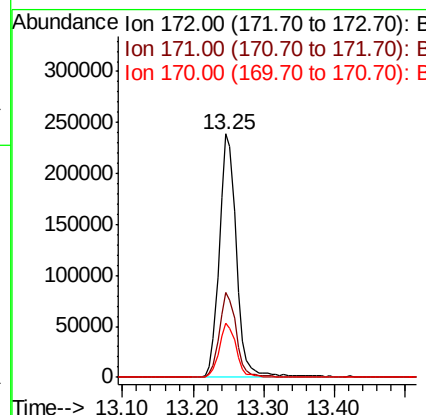
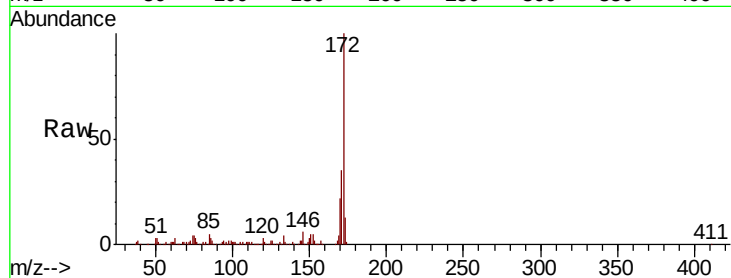




#45
2-Fluorobiphenyl
Concen: 53.353 ng
RT: 13.25 min Scan# 1729
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

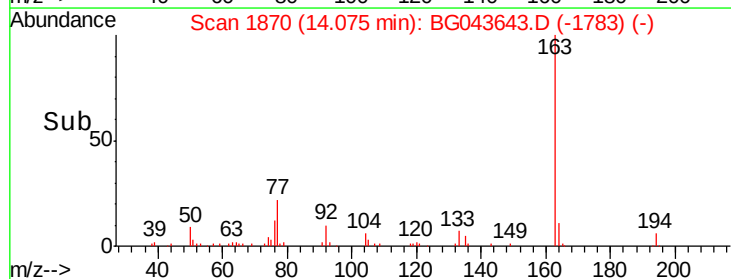
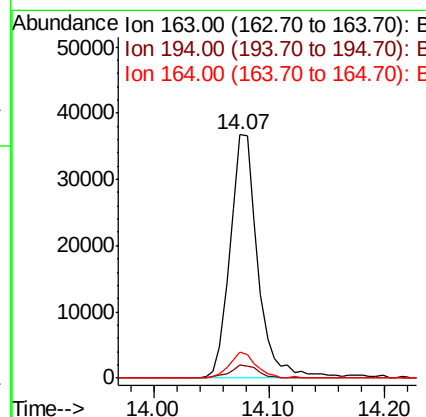
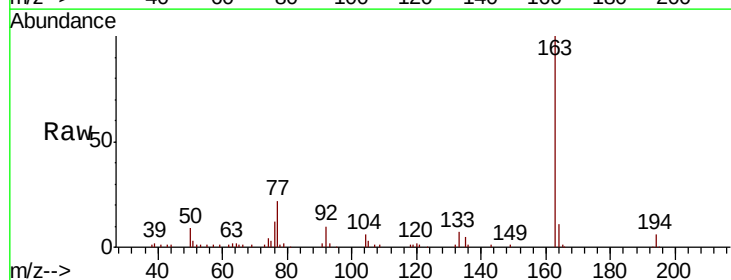
Instrument :
BNA_G
ClientSampleId :
SP-B

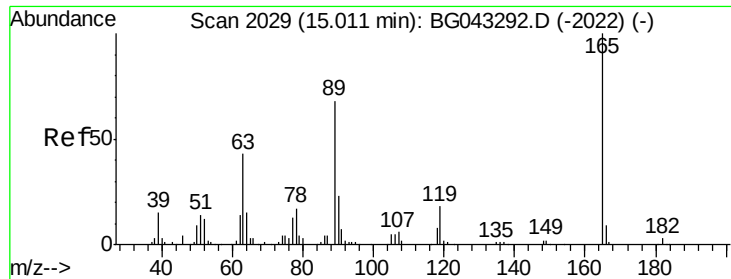
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	22.4	18.5	27.7



#50
Dimethylphthalate
Concen: 7.545 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.8	5.6
164	10.5	8.9	13.3

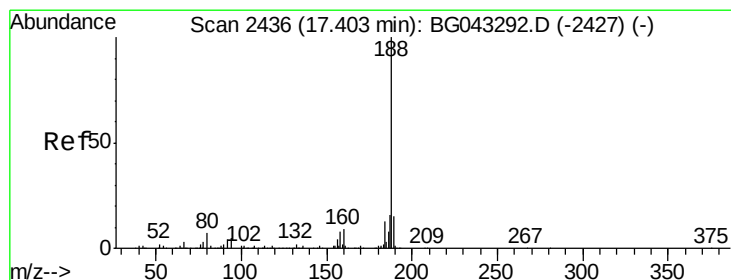
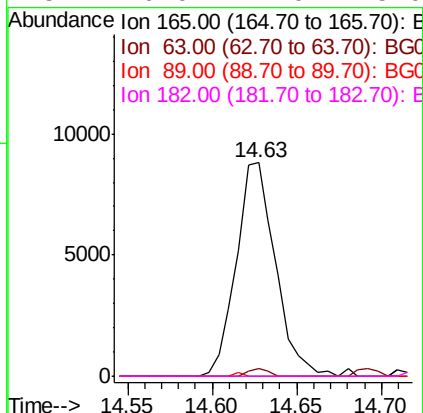
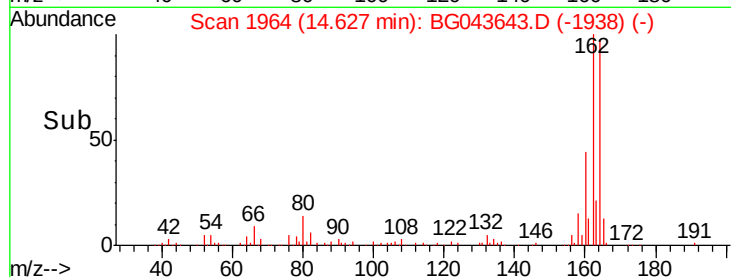
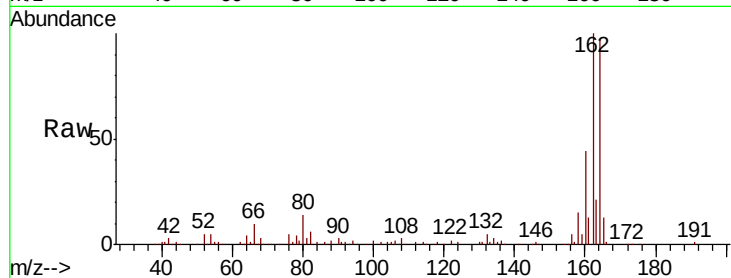




#57
2,4-Dinitrotoluene
Concen: 5.664 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.38 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

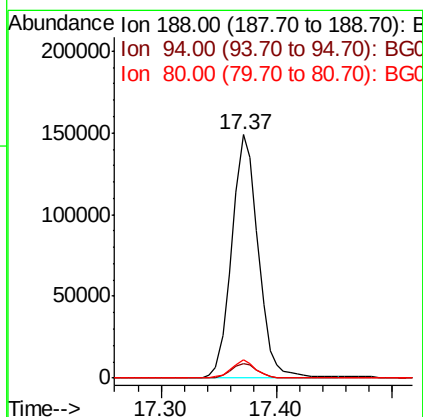
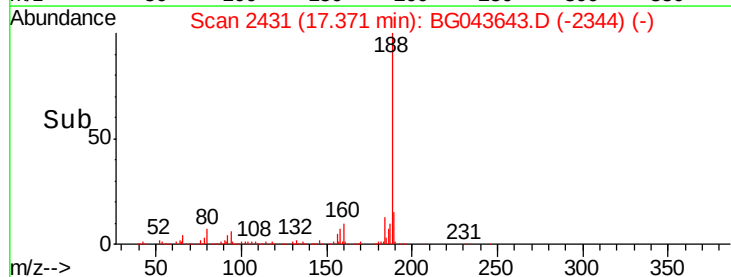
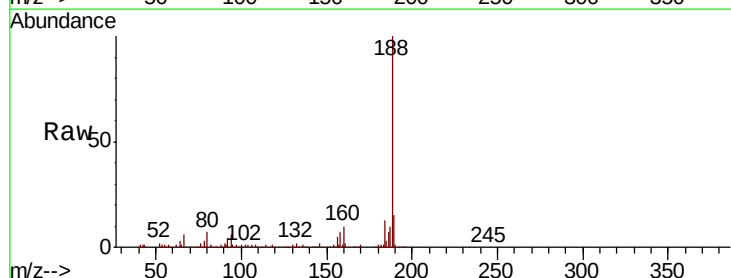
Instrument :
BNA_G
ClientSampled :
SP-B

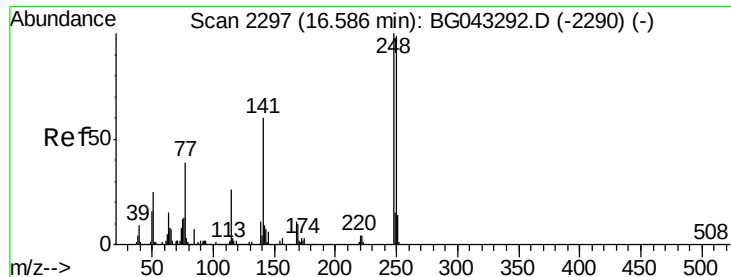
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.2	6.4
80	7.4	4.5	6.7#

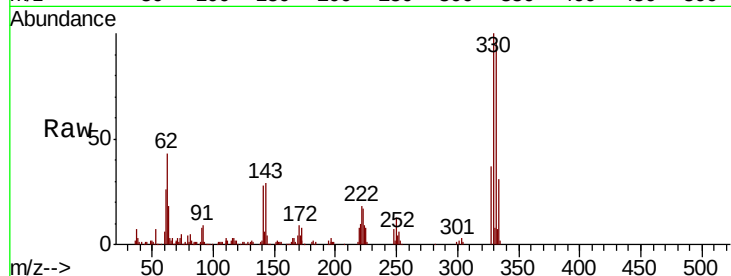




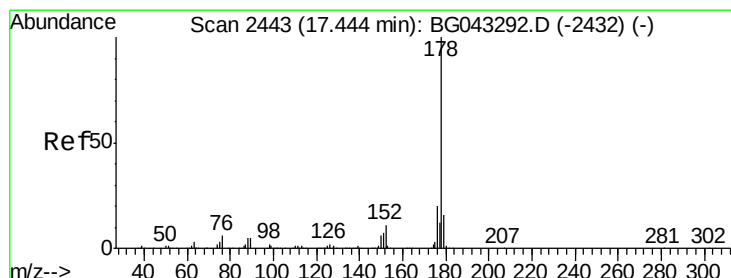
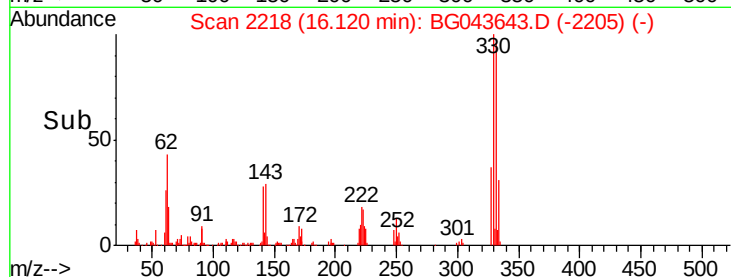
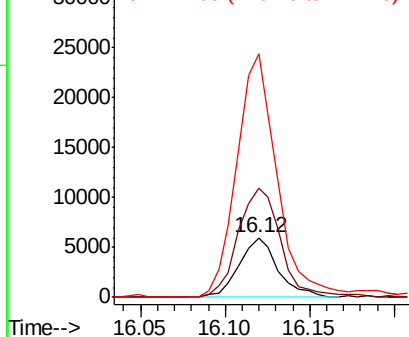
#67
4-Bromophenyl-phenylether
Concen: 2.983 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Instrument :
BNA_G
ClientSampleId :
SP-B

Tot Ion:248 Resp: 9521
Ion Ratio Lower Upper
248 100
250 182.8 77.0 115.4#
141 408.4 47.5 71.3#

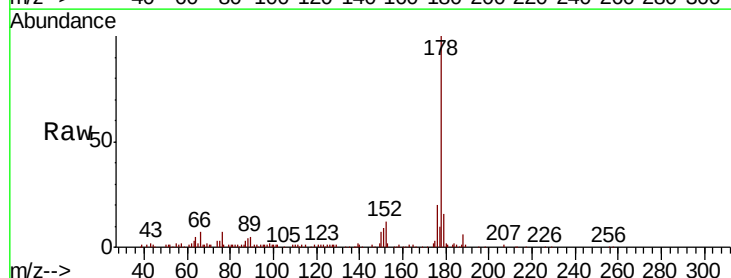


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

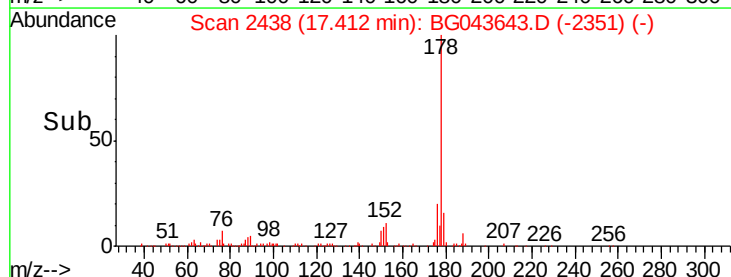
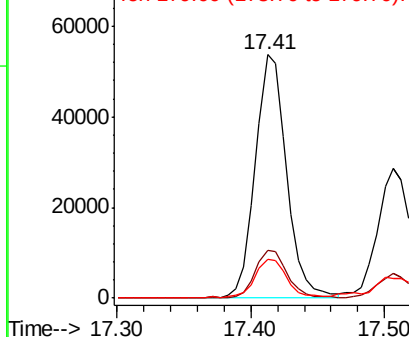


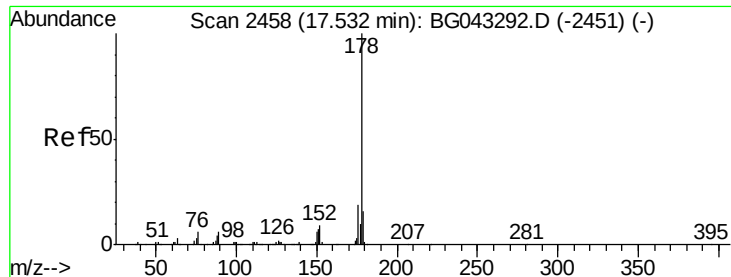
#71
Phenanthrene
Concen: 7.137 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion:178 Resp: 86680
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.8 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: 3.873 ng

RT: 17.51 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

ClientSampleId :

SP-B

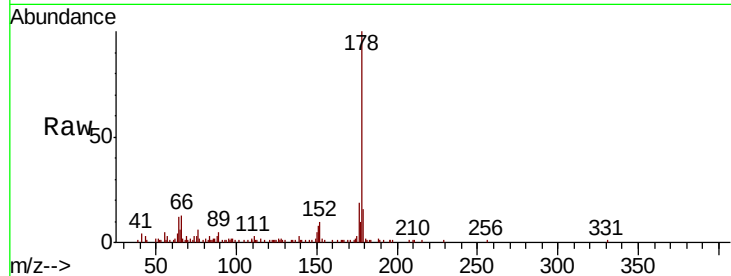
Tot Ion:178 Resp: 47070

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

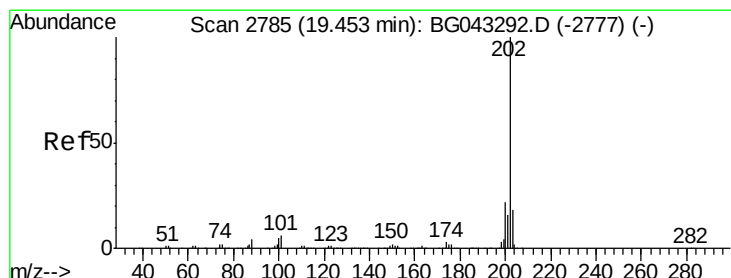
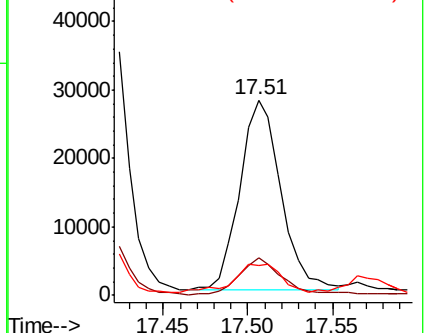
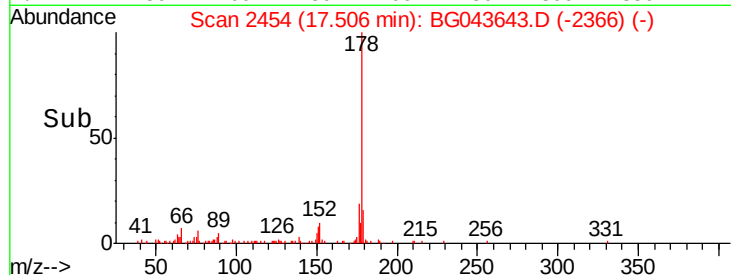
179 15.6 13.7 20.5



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: 11.309 ng

RT: 19.43 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

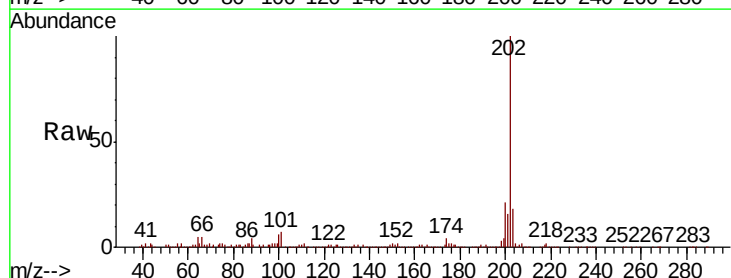
Tgt Ion:202 Resp: 179076

Ion Ratio Lower Upper

202 100

101 7.2 0.0 26.3

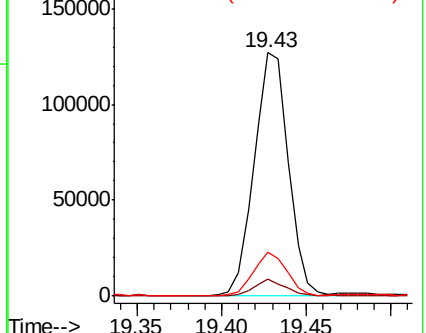
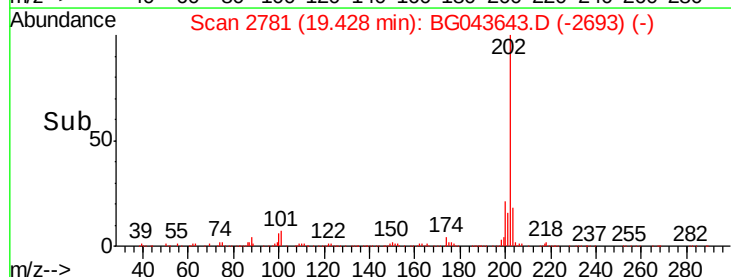
203 18.1 0.0 37.9

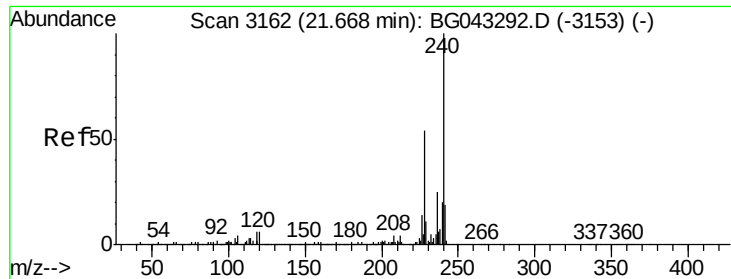


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3157

Delta R.T. -0.02 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

ClientSampleId :

SP-B

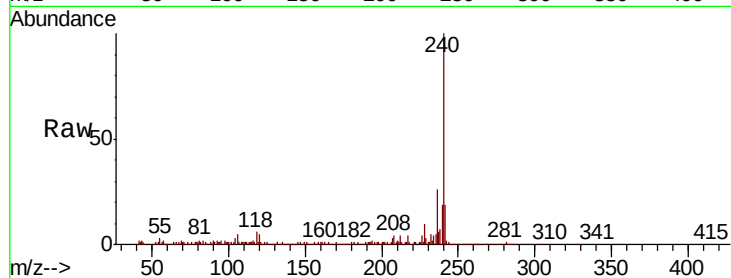
Tot Ion:240 Resp: 257158

Ion Ratio Lower Upper

240 100

120 5.0 4.6 6.8

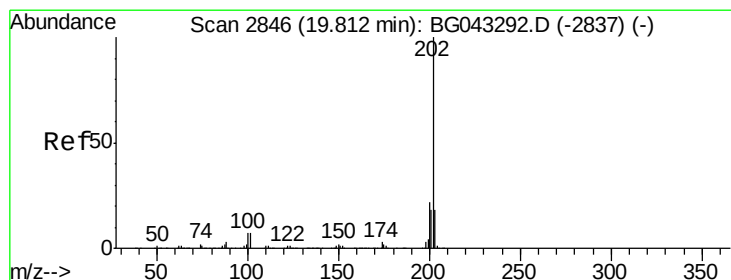
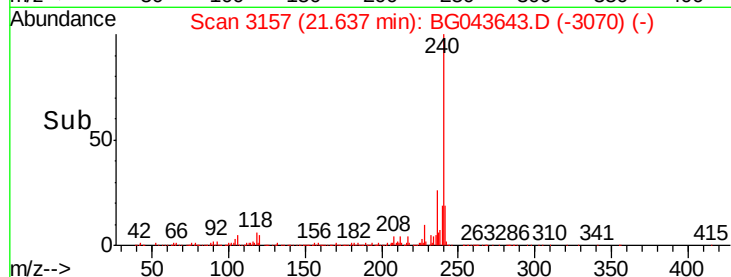
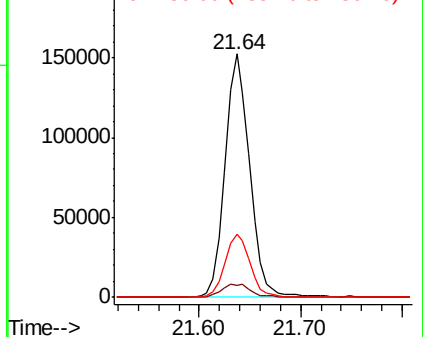
236 25.8 19.8 29.8



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: 10.500 ng

RT: 19.79 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

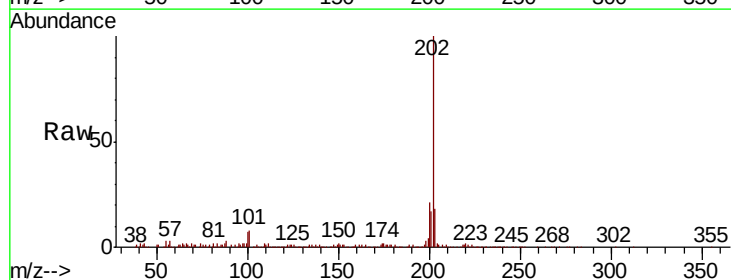
Tgt Ion:202 Resp: 167144

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

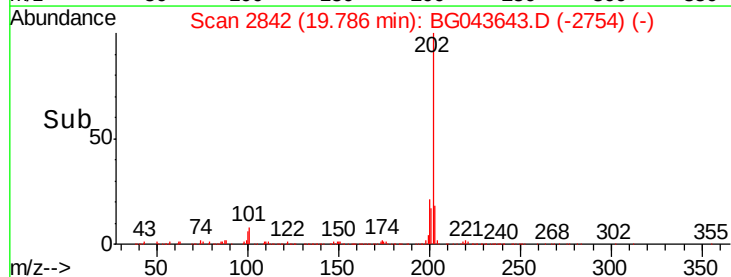
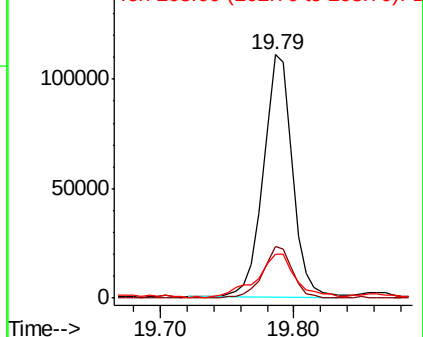
203 18.2 14.7 22.1

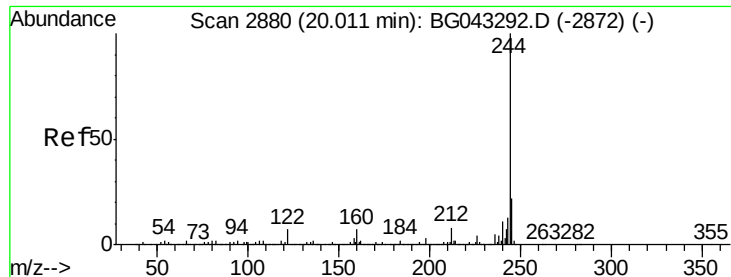


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 48.056 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

ClientSampleId :

SP-B

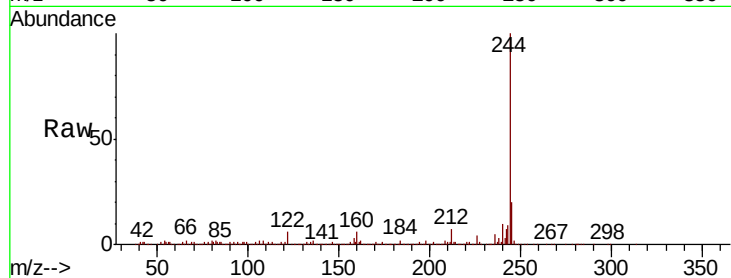
Tot Ion:244 Resp: 658722

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

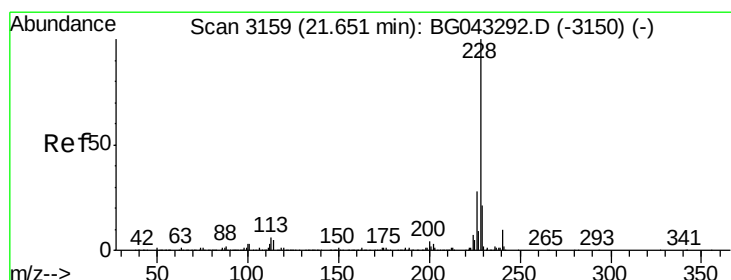
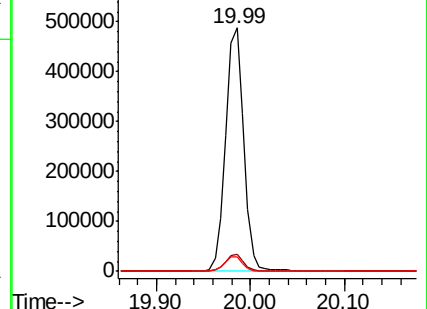
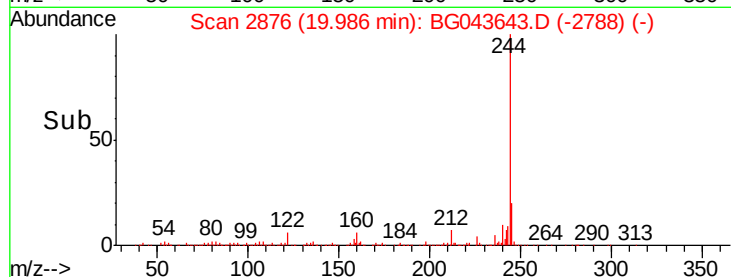
122 6.1 5.4 8.2



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: 6.070 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

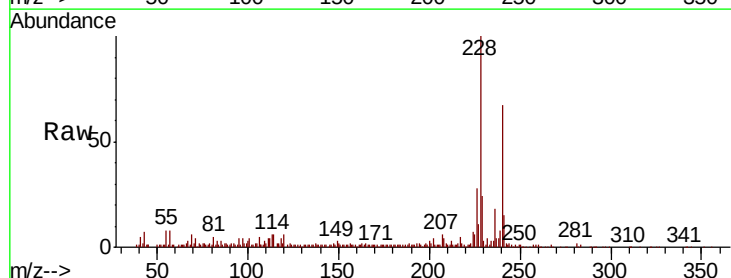
Tgt Ion:228 Resp: 97777

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

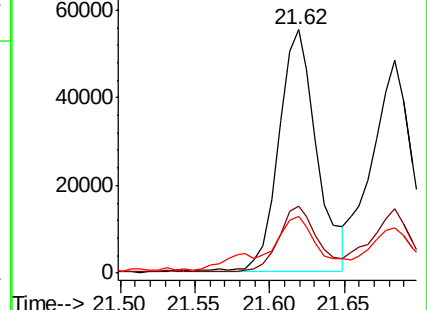
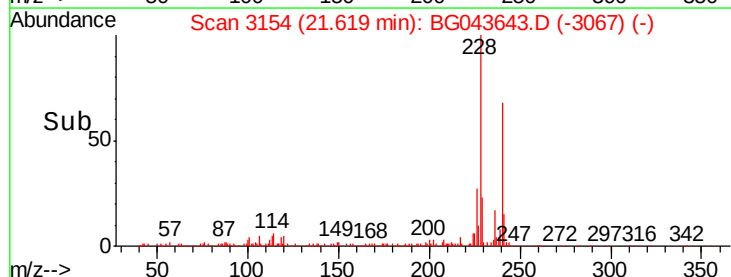
229 23.5 17.0 25.4

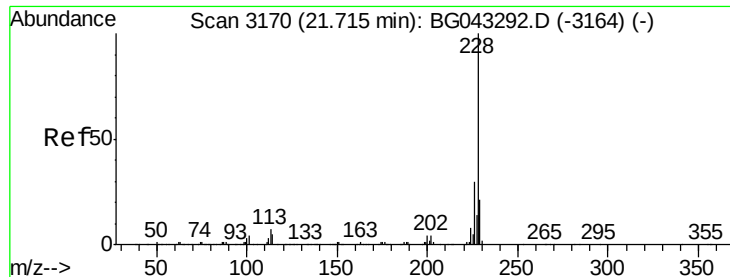


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.648 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.02 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

Instrument :

BNA_G

ClientSampleId :

SP-B

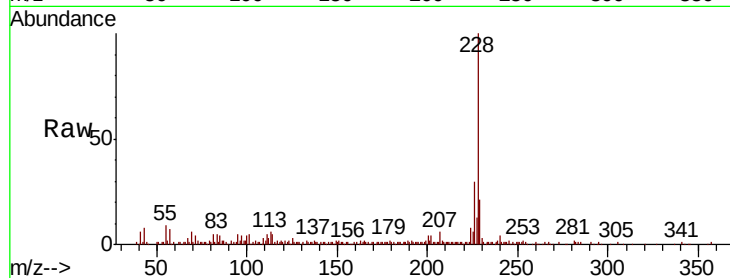
Tot Ion:228 Resp: 90402

Ion Ratio Lower Upper

228 100

226 30.1 25.1 37.7

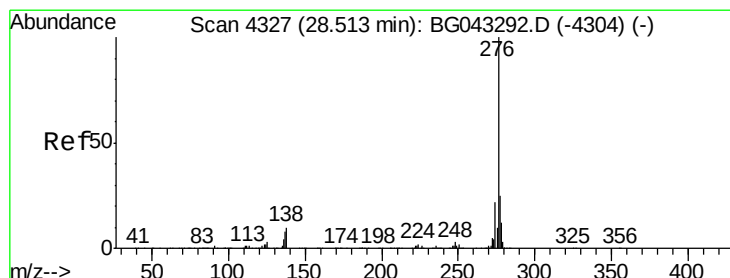
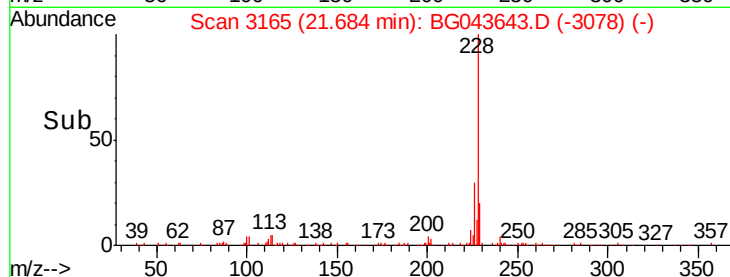
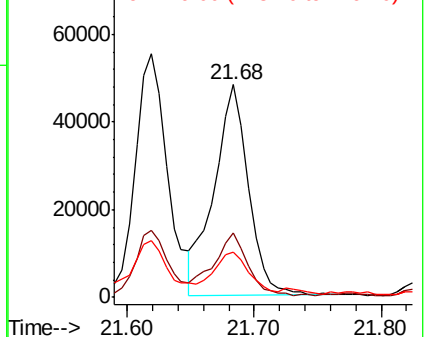
229 21.0 17.0 25.4



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.110 ng

RT: 28.44 min Scan# 4315

Delta R.T. -0.05 min

Lab File: BG043643.D

Acq: 14 Nov 2019 21:06

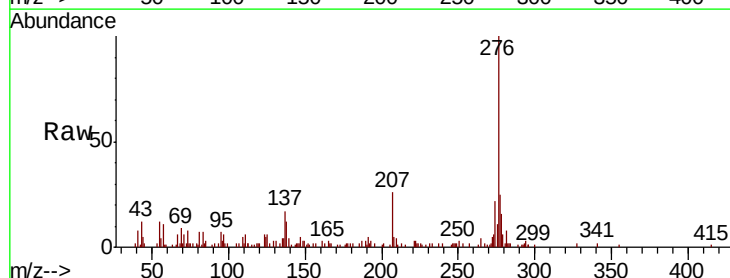
Tgt Ion:276 Resp: 62487

Ion Ratio Lower Upper

276 100

138 7.1 6.8 10.2

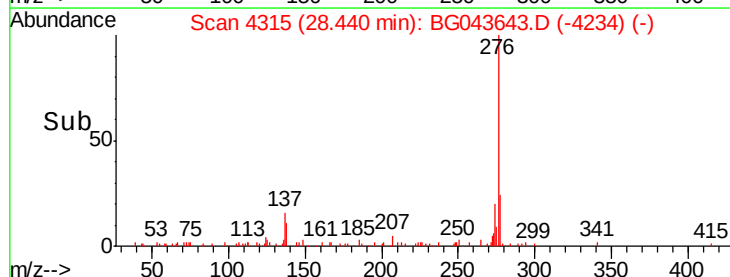
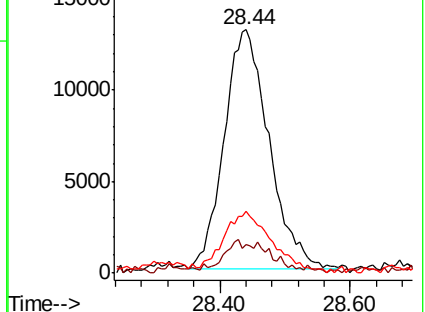
277 27.7 20.9 31.3

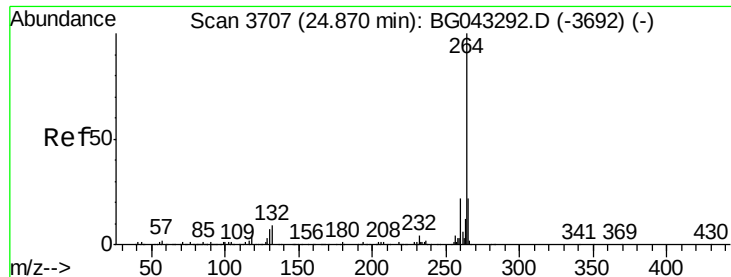


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

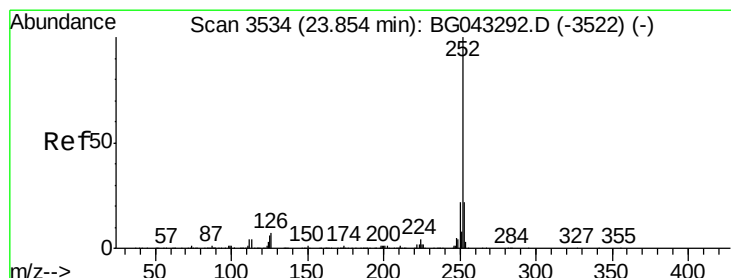
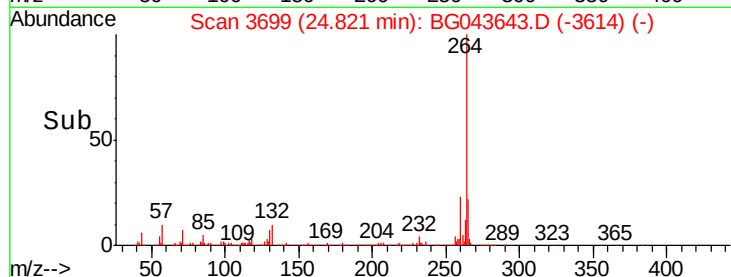
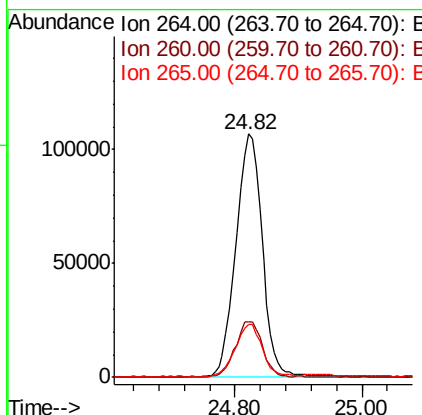
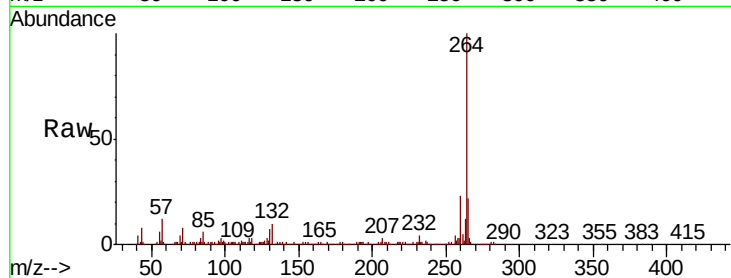




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3699
Delta R.T. -0.03 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

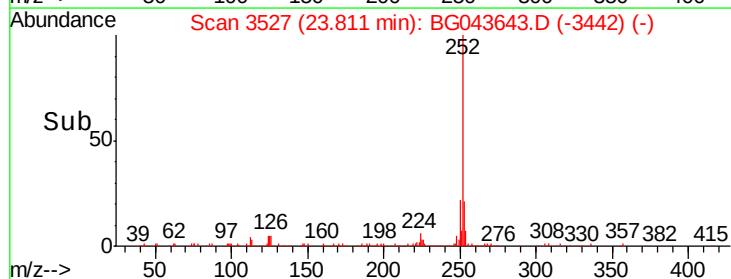
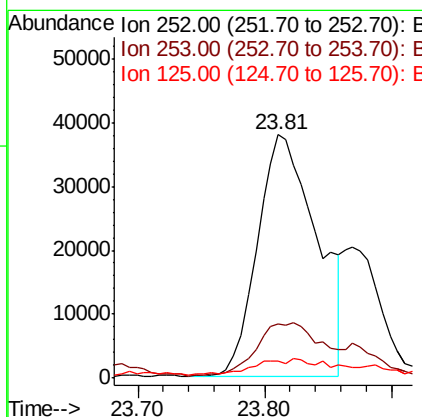
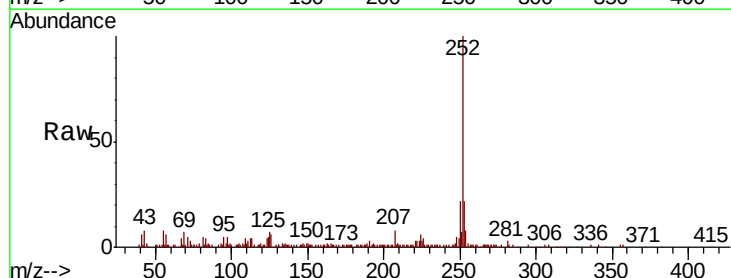
Instrument :
BNA_G
ClientSampled :
SP-B

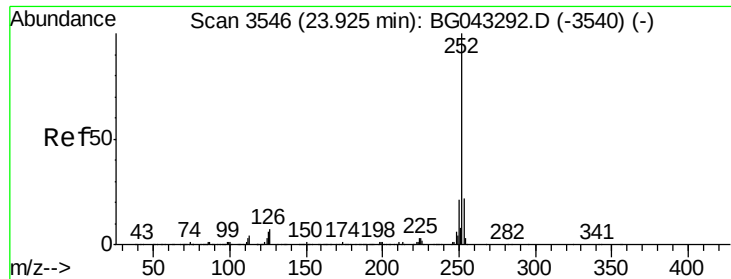
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.5	26.3
265	21.8	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 7.001 ng
RT: 23.81 min Scan# 3527
Delta R.T. -0.03 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	6.8	4.5	6.7#

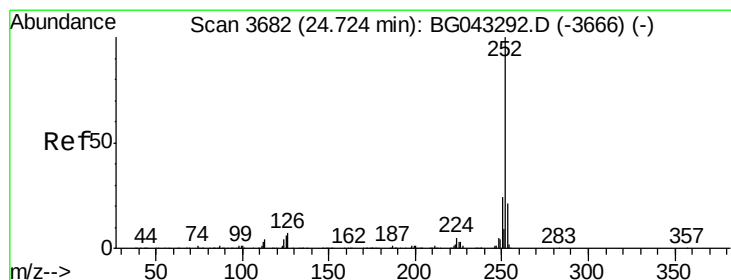
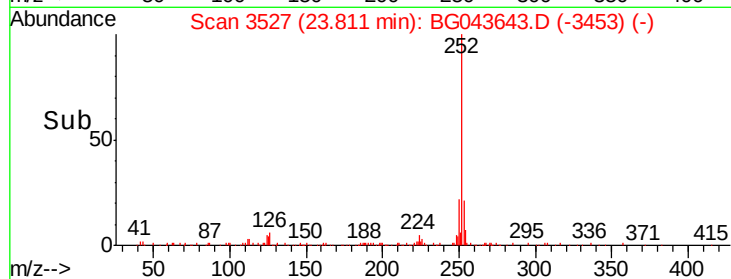
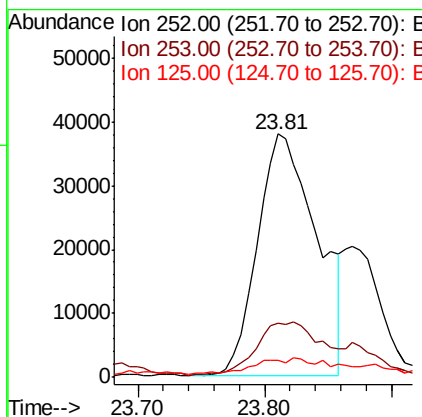
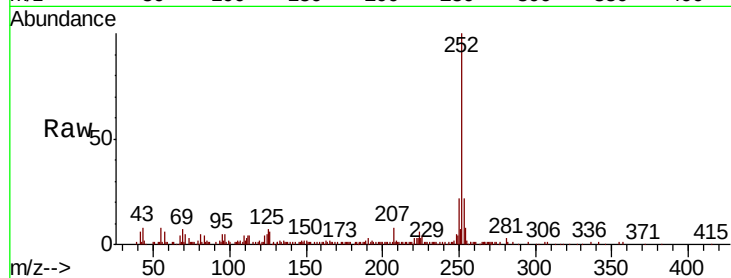




#89
Benzo(k)fluoranthene
Concen: 6.954 ng
RT: 23.81 min Scan# 3527
Delta R.T. -0.10 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

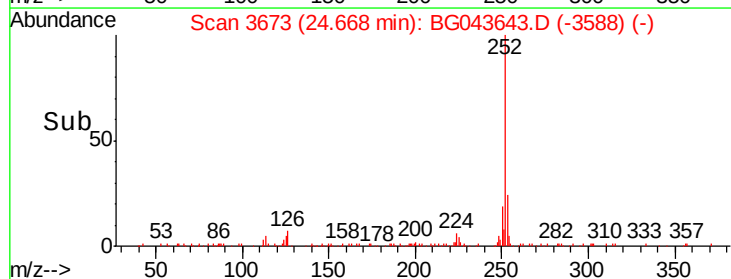
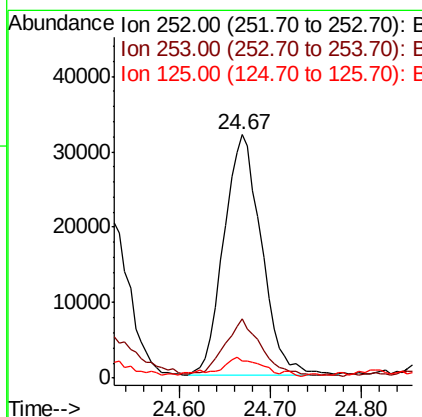
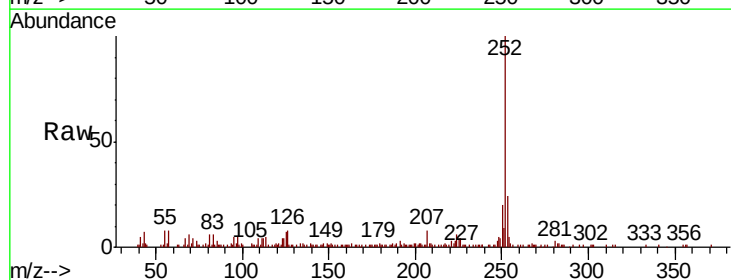
Instrument :
BNA_G
ClientSampleId :
SP-B

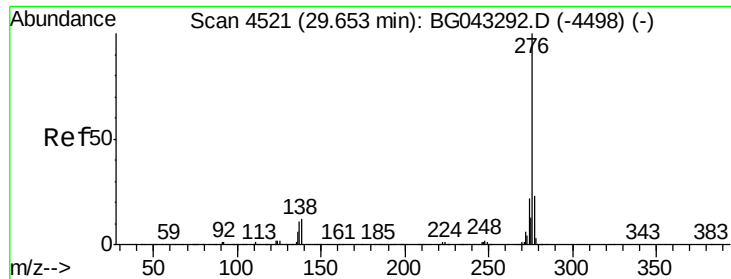
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	6.8	4.6	6.8#



#90
Benzo(a)pyrene
Concen: 5.498 ng
RT: 24.67 min Scan# 3673
Delta R.T. -0.03 min
Lab File: BG043643.D
Acq: 14 Nov 2019 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	7.0	5.4	8.2





#92
 Benzo(a,h,i)perylene
 Concen: 3.692 ng
 RT: 29.56 min Scan# 4506
 Delta R.T. -0.07 min
 Lab File: BG043643.D
 Acq: 14 Nov 2019 21:06

Instrument :
 BNA_G
 ClientSampleId :
 SP-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.1	18.9	28.3
138	20.4	8.9	13.3

