

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043534.D
 Acq On : 7 Nov 2019 00:01
 Operator : JU
 Sample : K5675-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 01:09:25 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	41241	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	149031	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	100427	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	223004	20.00	ng	0.00
76) Chrysene-d12	21.65	240	228514	20.00	ng	0.00
87) Perylene-d12	24.84	264	269379	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	161348	71.69	ng	0.00
7) Phenol-d6	7.19	99	229067	70.74	ng	0.00
23) Nitrobenzene-d5	9.17	82	137285	47.49	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	109193	57.14	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	351036	48.30	ng	0.00
79) Terphenyl-d14	20.00	244	605876	49.74	ng	0.00

Target Compounds

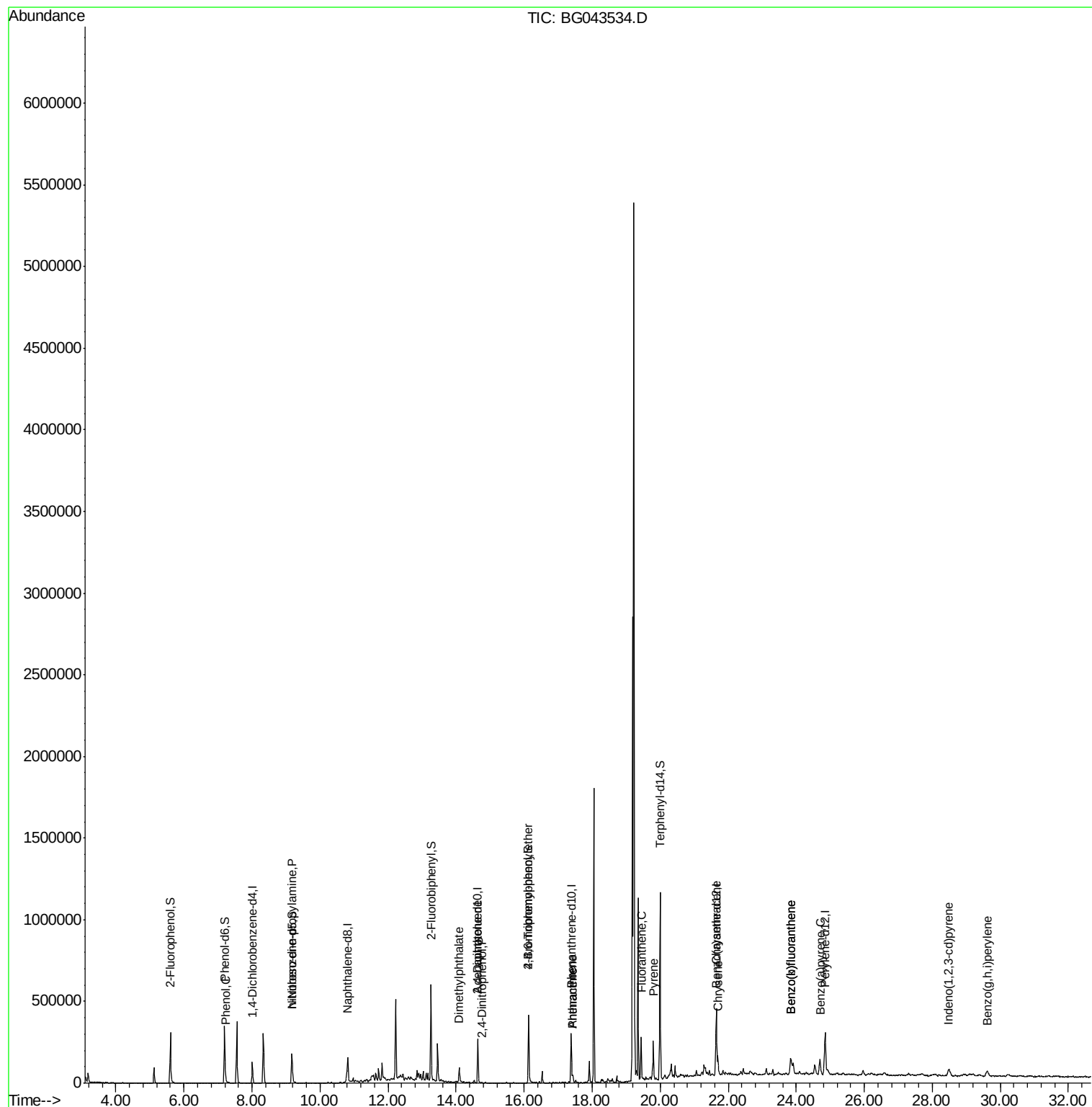
						Qvalue
10) Phenol	7.22	94	6952	2.349	ng	79
19) n-Nitroso-di-n-propylamine	9.17	70	19878	9.500	ng	# 76
50) Dimethylphthalate	14.09	163	64363	8.274	ng	# 95
54) 2,4-Dinitrophenol	14.78	184	55	7.330	ng	# 17
57) 2,4-Dinitrotoluene	14.64	165	14614	6.051	ng	# 27
67) 4-Bromophenyl-phenylether	16.13	248	6596	2.198	ng	# 1
71) Phenanthrene	17.43	178	36484	3.195	ng	98
72) Anthracene	17.43	178	36484	3.193	ng	99
75) Fluoranthene	19.44	202	177223	11.904	ng	97
78) Pyrene	19.80	202	167788	11.862	ng	98
81) Benzo(a)anthracene	21.63	228	94823	6.625	ng	97
83) Chrysene	21.70	228	87636	6.162	ng	97
86) Indeno(1,2,3-cd)pyrene	28.48	276	75577	4.233	ng	# 96
88) Benzo(b)fluoranthene	23.84	252	140077	9.181	ng	# 94
89) Benzo(k)fluoranthene	23.84	252	140077	9.120	ng	93
90) Benzo(a)pyrene	24.70	252	104616	7.181	ng	99
92) Benzo(a,h,i)perylene	29.60	276	34565	2.351	ng	94

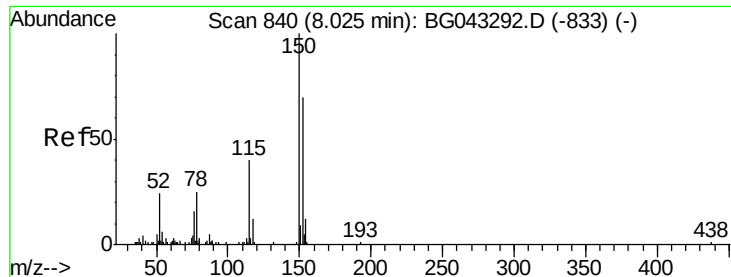
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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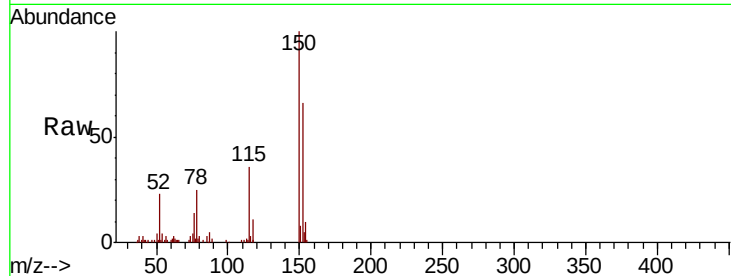


#1

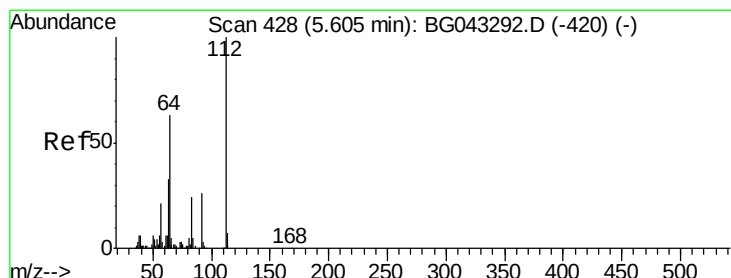
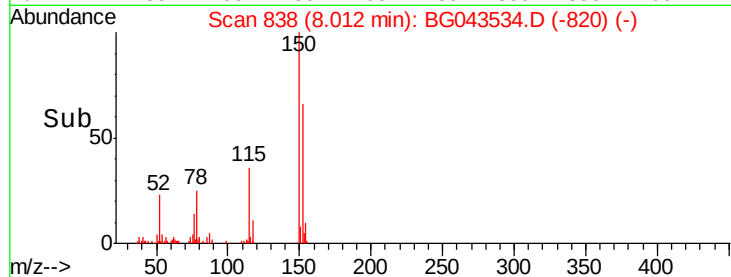
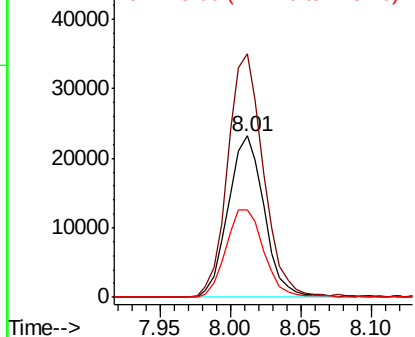
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 41241
Ion Ratio Lower Upper
152 100
150 151.0 129.4 194.0
115 53.9 48.8 73.2



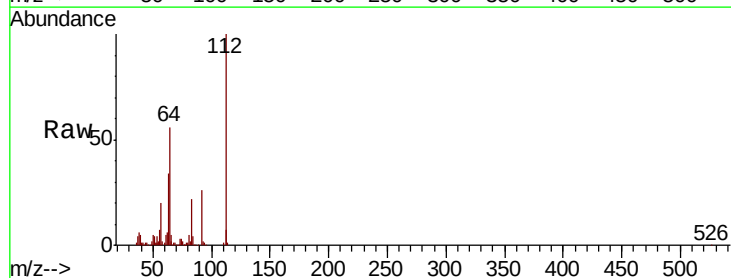
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



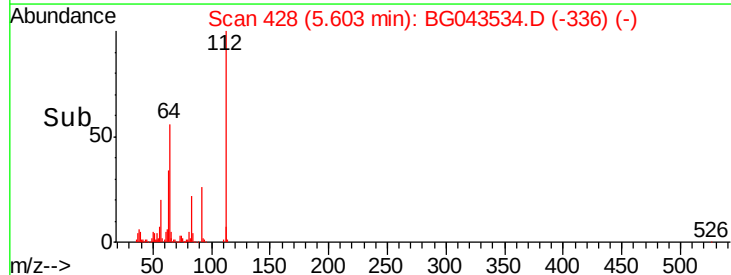
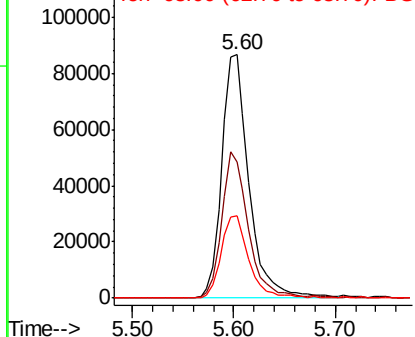
#5

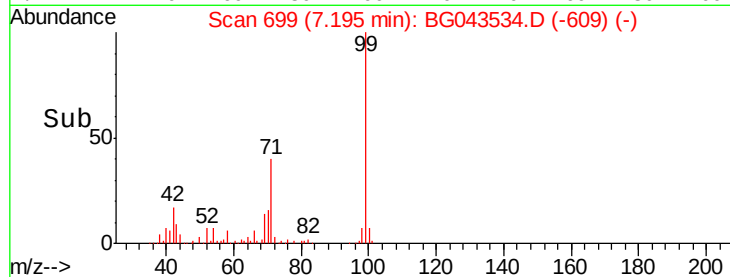
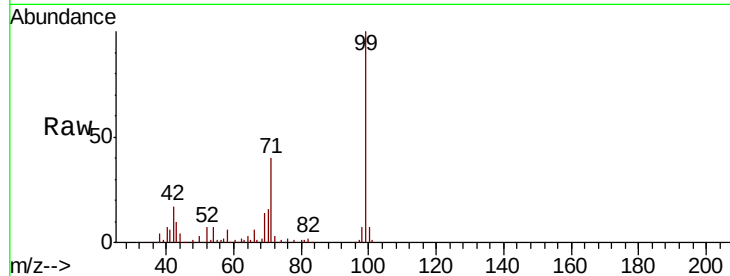
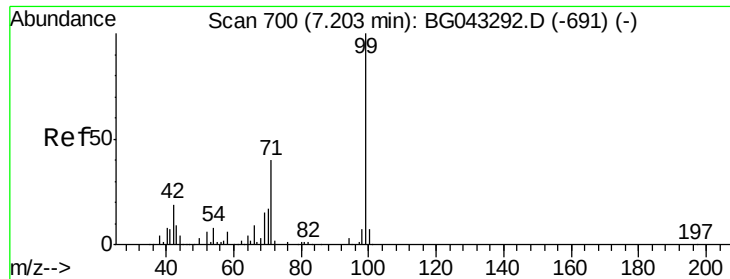
2-Fluorophenol
Concen: 71.691 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion:112 Resp: 161348
Ion Ratio Lower Upper
112 100
64 55.7 50.0 75.0
63 33.9 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: 70.742 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

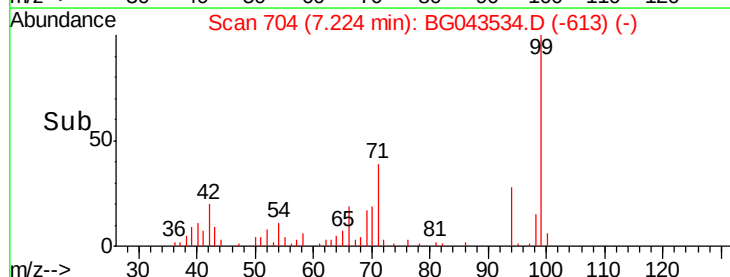
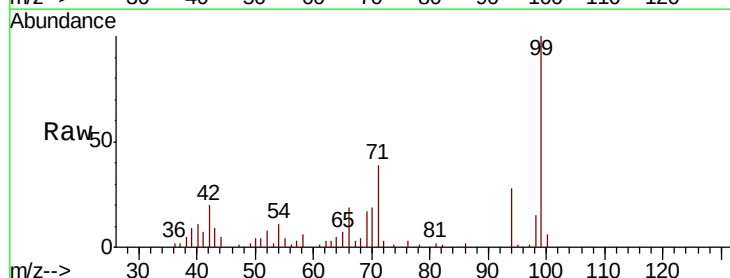
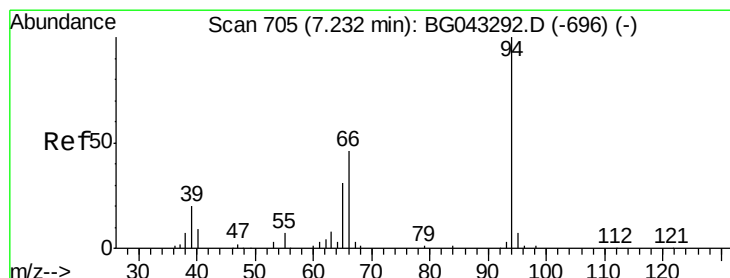
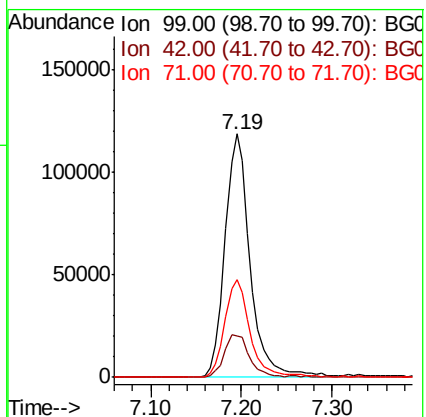
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 229067

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.6	21.8
71	40.2	32.5	48.7



#10

Phenol

Concen: 2.349 ng

RT: 7.22 min Scan# 704

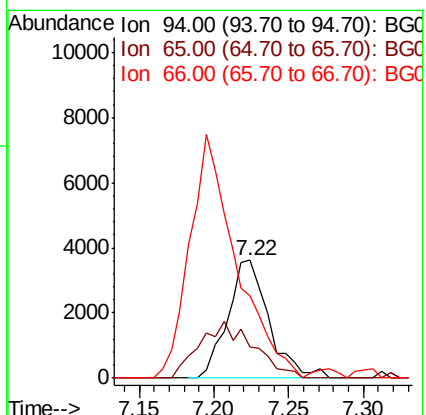
Delta R.T. 0.00 min

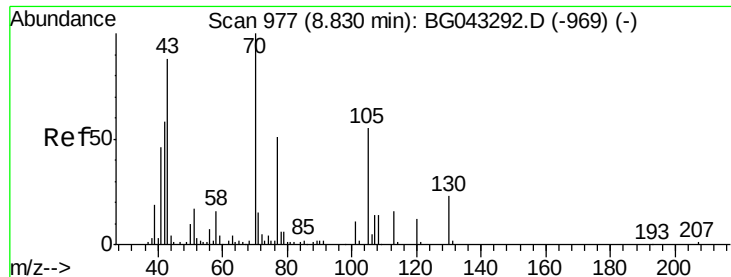
Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

Tgt Ion: 94 Resp: 6952

Ion	Ratio	Lower	Upper
94	100		
65	26.4	12.6	52.6
66	69.4	30.7	70.7

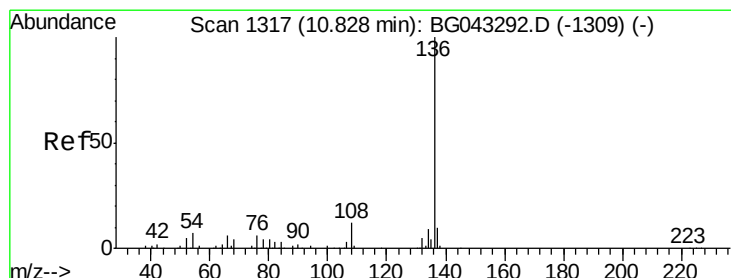
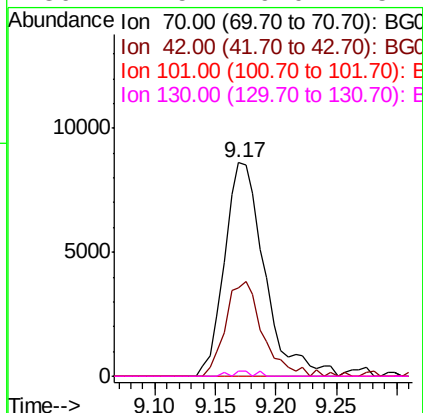
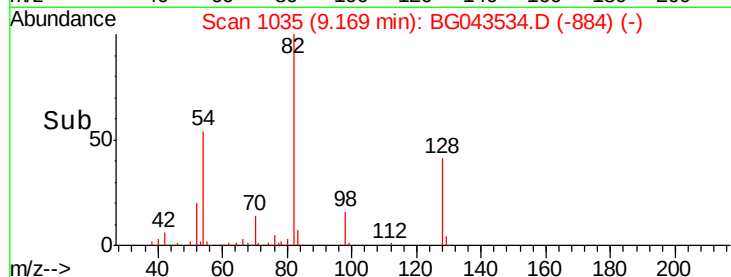
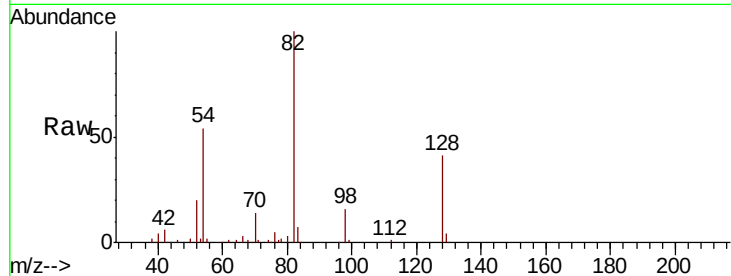




#19
n-Nitroso-di-n-propylamine
Concen: 9.500 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.36 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

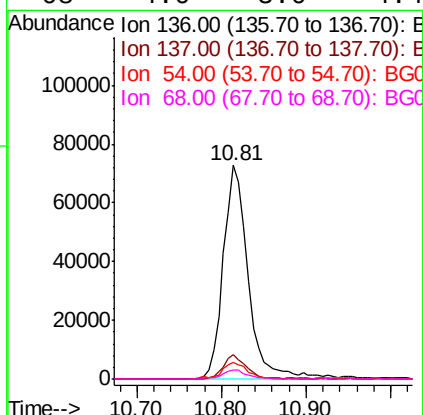
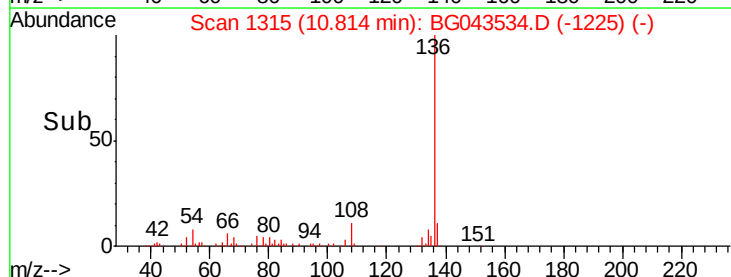
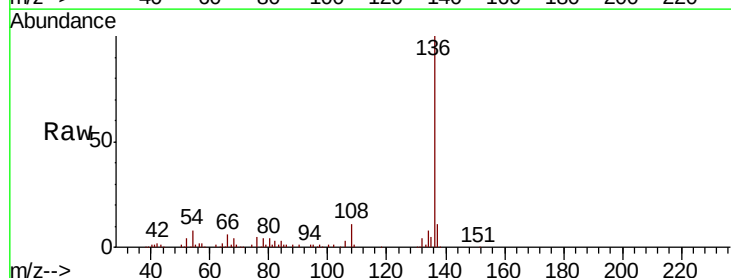
Instrument :
BNA_G
ClientSampled :

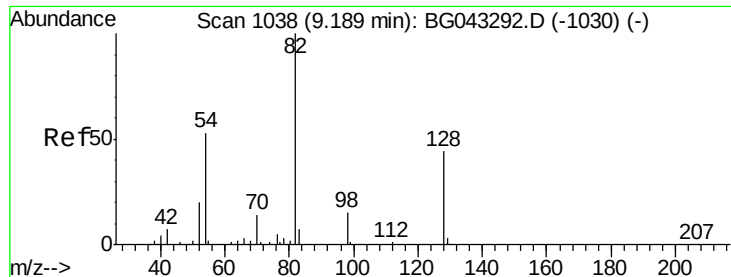
Tot Ion: 70 Resp: 19878
Ion Ratio Lower Upper
70 100
42 41.4 41.4 62.2#
101 0.0 7.9 11.9#
130 2.5 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion: 136 Resp: 149031
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.6 5.4 8.2
68 4.0 3.0 4.4

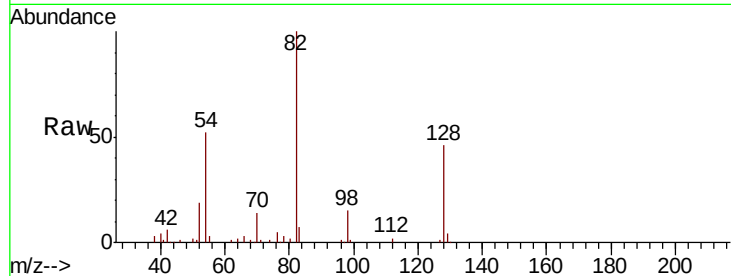




#23
Nitrobenzene-d5
Concen: 47.491 ng
RT: 9.17 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	137285
Ion Ratio	100		
Lower			
Upper			
128	46.3	35.0	52.6
54	52.3	40.2	60.2

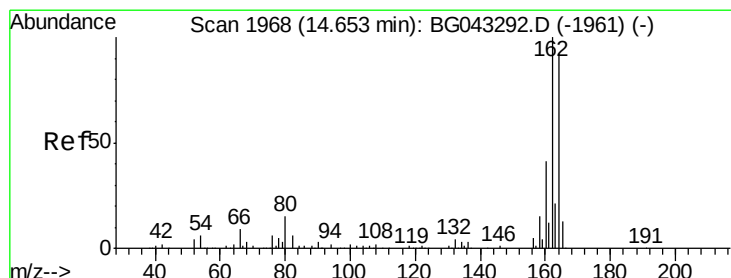
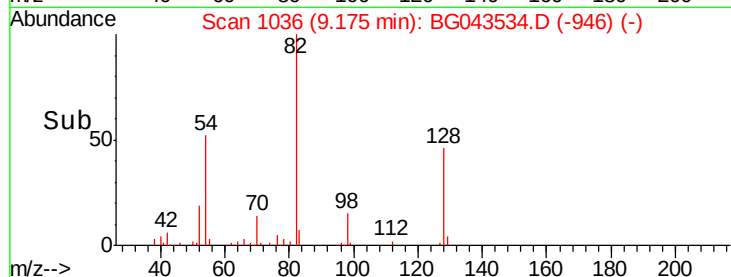
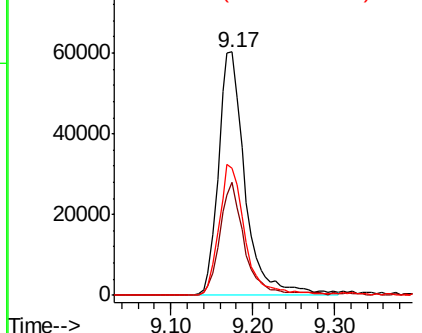


Abundance

Ion 82.00 (81.70 to 82.70): BGC

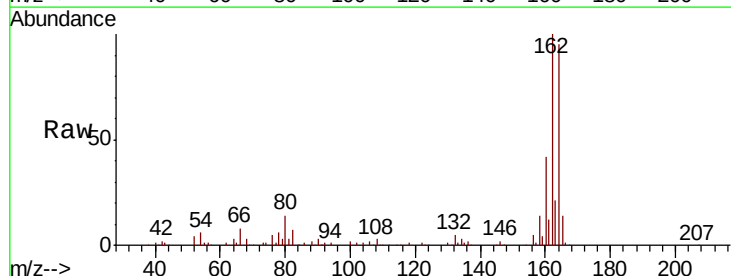
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion	164	Resp	100427
Ion Ratio	100		
Lower			
Upper			
162	104.7	83.5	125.3
160	44.4	36.5	54.7

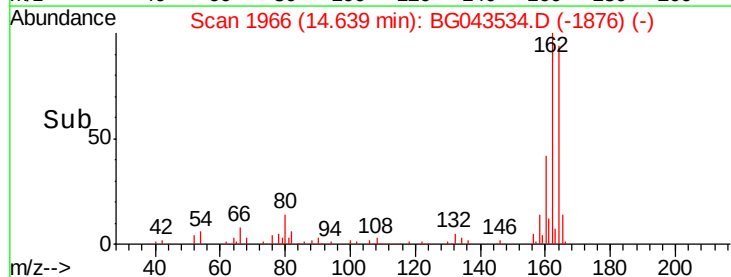
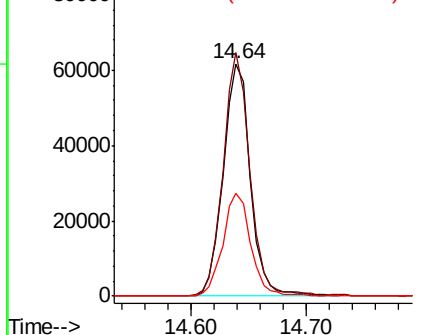


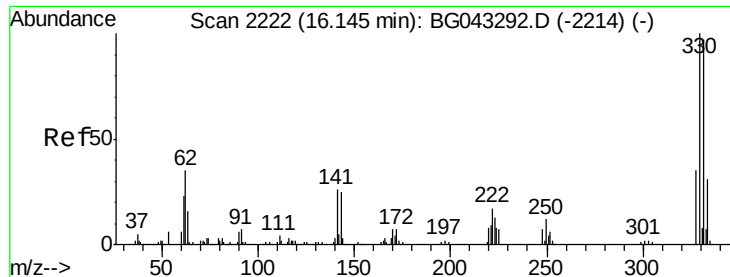
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

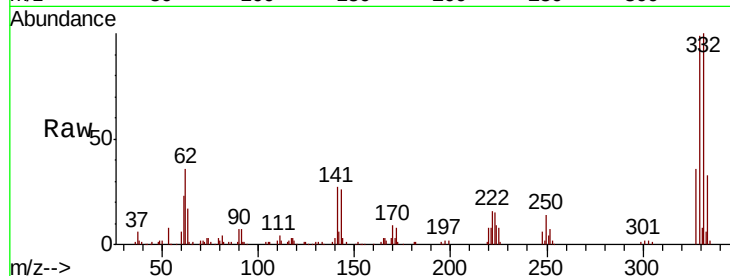




#42
 2,4,6-Tribromophenol
 Concen: 57.135 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

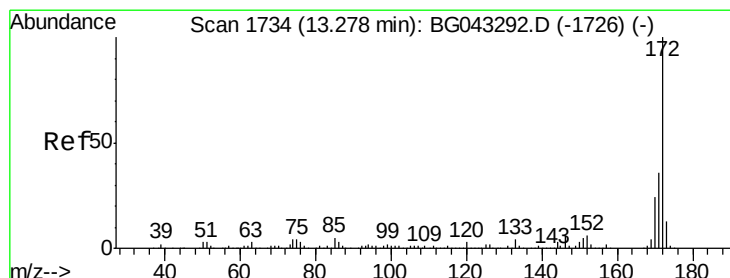
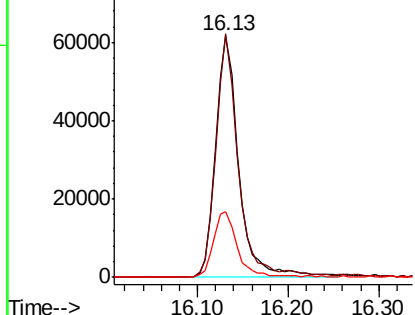
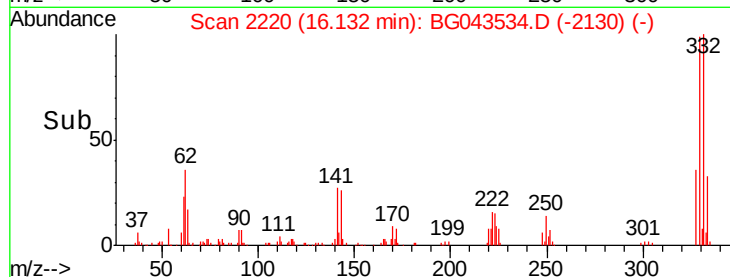
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.4	116.0
141	28.0	22.8	34.2



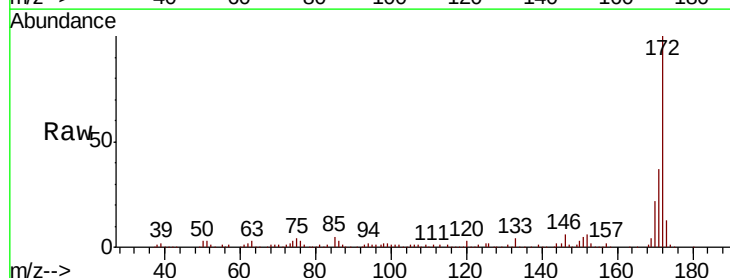
Abundance

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



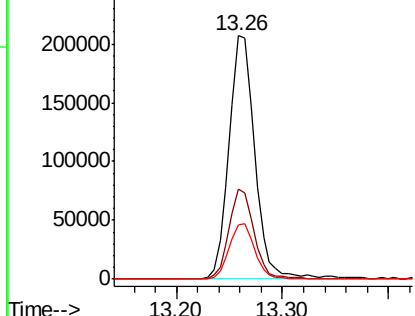
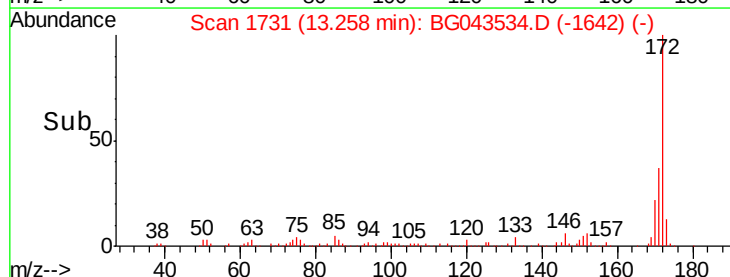
#45
 2-Fluorobiphenyl
 Concen: 48.300 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

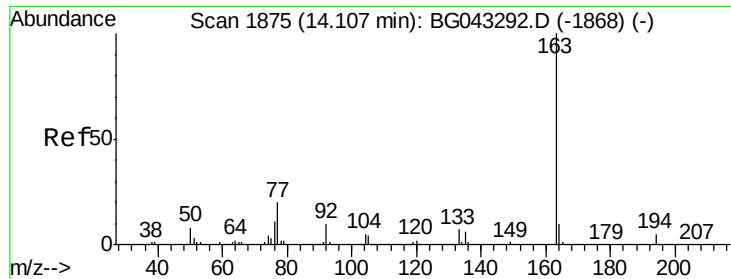
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	22.3	18.5	27.7



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





#50

Dimethylphthalate

Concen: 8.274 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

Instrument :

BNA_G

ClientSampled :

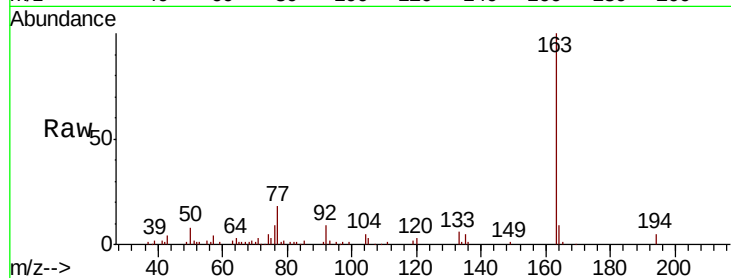
Tot Ion:163 Resp: 64363

Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.6

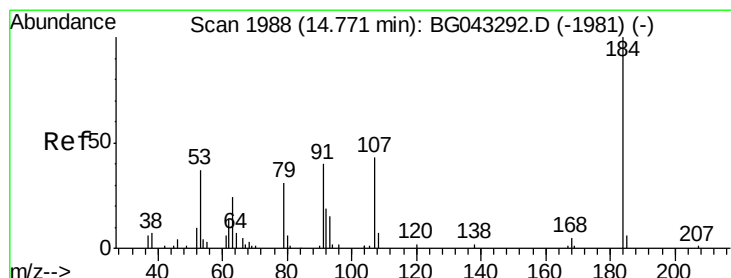
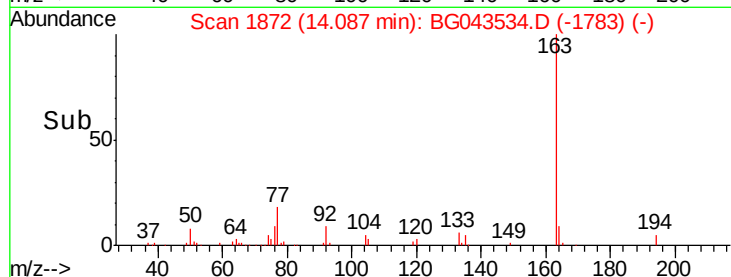
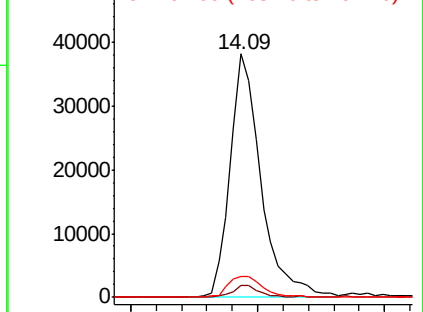
164 8.5 8.9 13.3#



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



#54

2,4-Dinitrophenol

Concen: 7.330 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.02 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

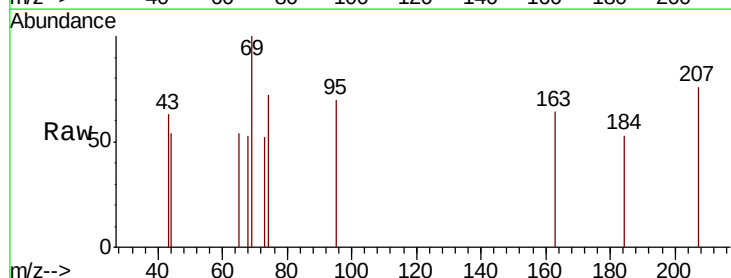
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 0.0 51.3 76.9#

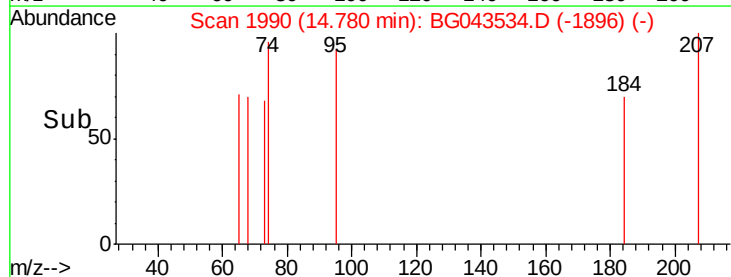
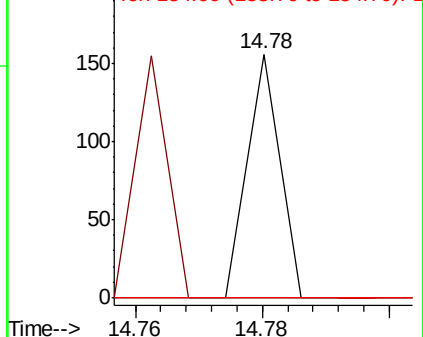
154 0.0 55.4 83.0#

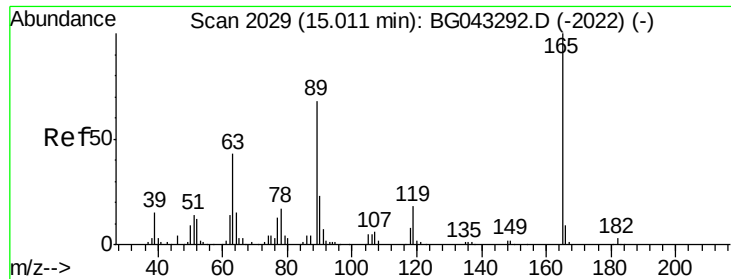


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

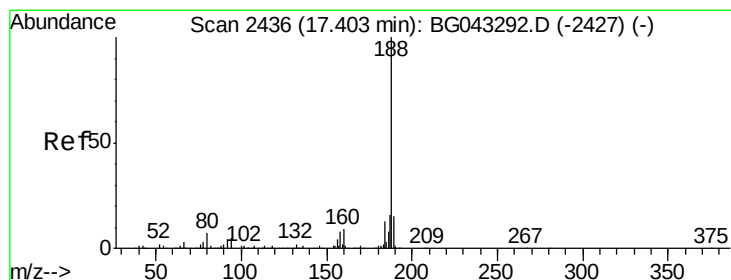
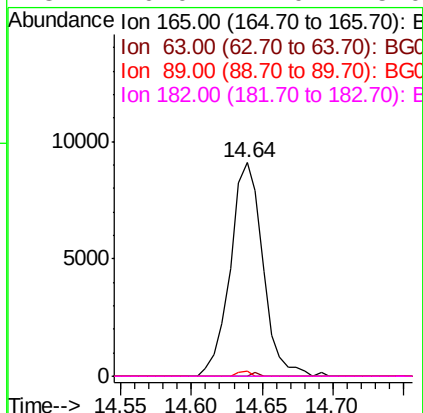
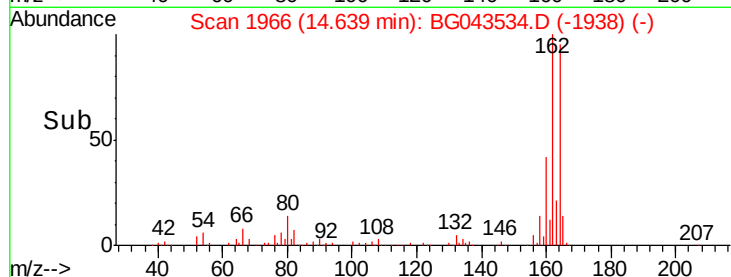
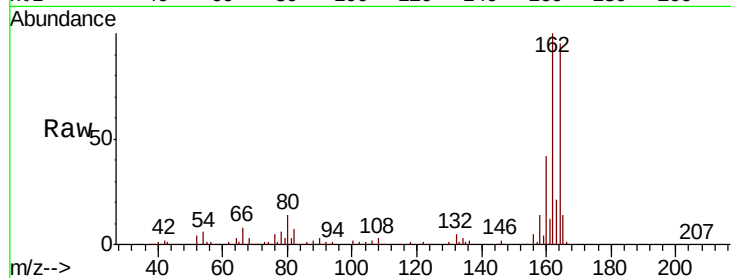




#57
 2,4-Dinitrotoluene
 Concen: 6.051 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.37 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

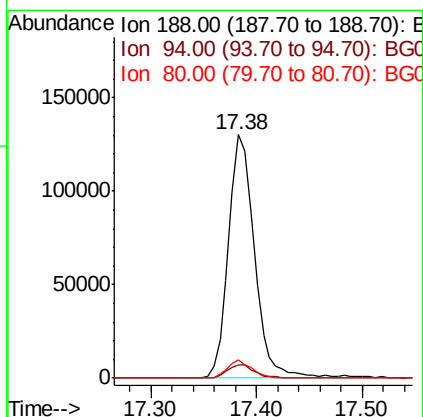
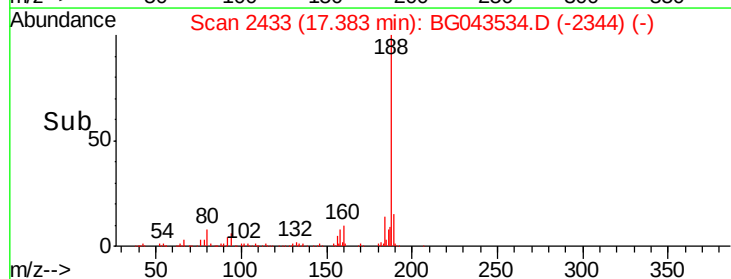
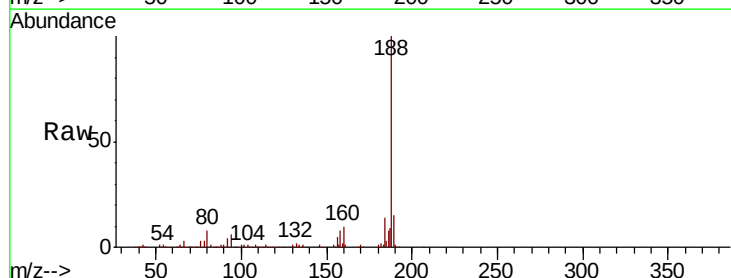
Instrument :
 BNA_G
 ClientSampled :

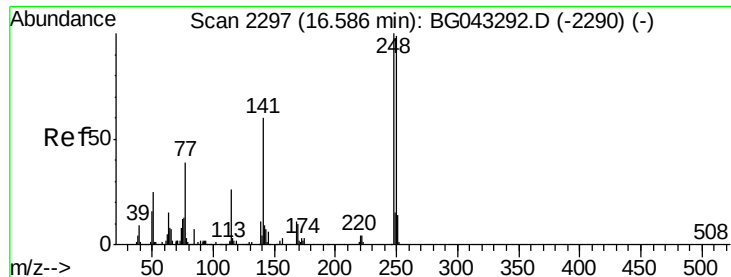
Tot Ion:165	Resp:	14614
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.2 49.8#
89	2.5	52.2 78.4#
182	0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

Tgt Ion:188	Resp:	223004
Ion Ratio	Lower	Upper
188	100	
94	5.5	4.2 6.4
80	7.5	4.5 6.7#

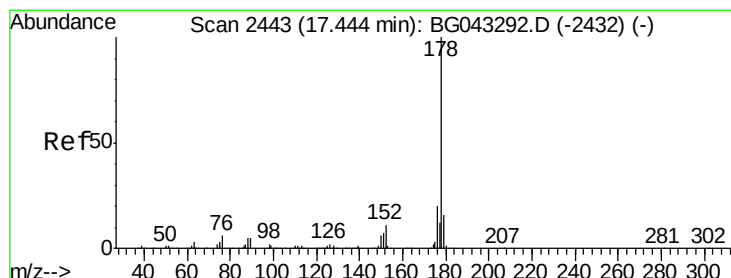
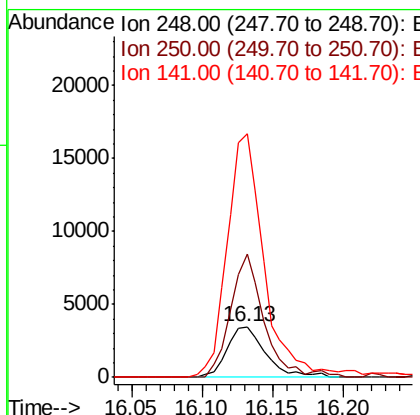
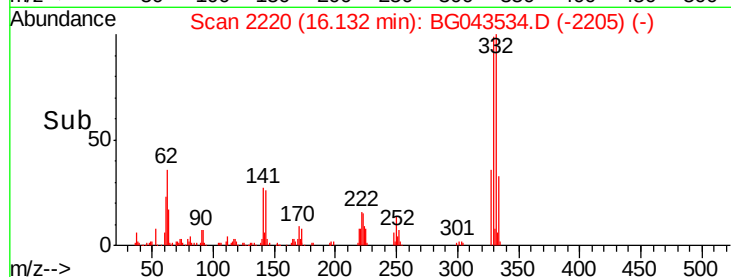
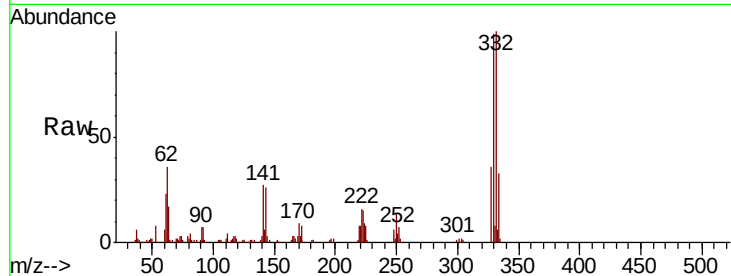




#67
 4-Bromophenyl-phenylether
 Concen: 2.198 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.44 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

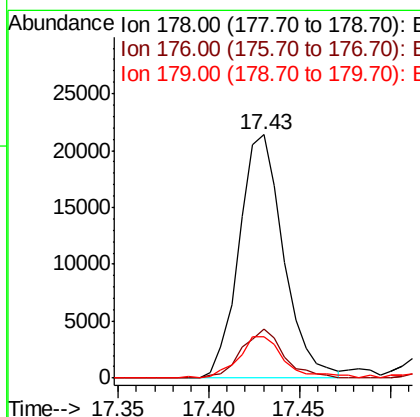
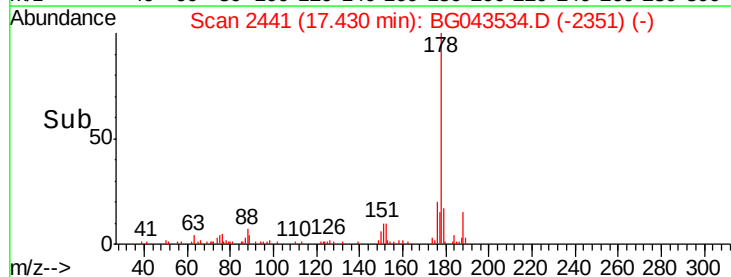
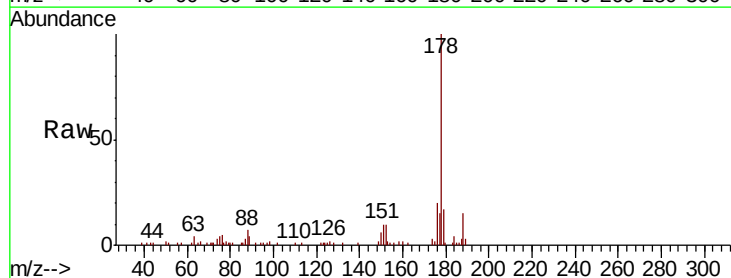
Instrument :
 BNA_G
 ClientSampleId :

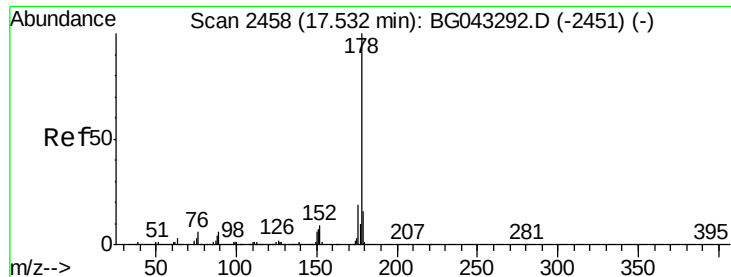
Tot Ion:248 Resp: 6596
 Ion Ratio Lower Upper
 248 100
 250 241.8 77.0 115.4#
 141 477.9 47.5 71.3#



#71
 Phenanthrene
 Concen: 3.195 ng
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.00 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

Tgt Ion:178 Resp: 36484
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 17.1 13.0 19.6





#72

Anthracene

Concen: 3.193 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.09 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

Instrument :

BNA_G

ClientSampleId :

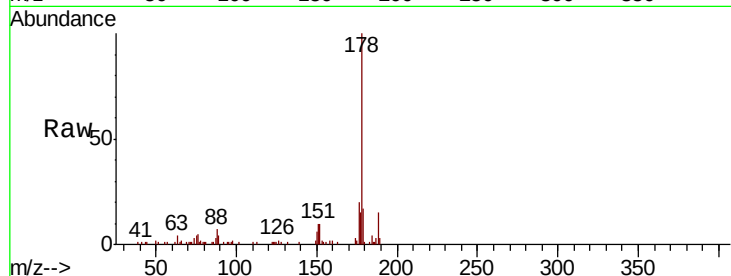
Tot Ion:178 Resp: 36484

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

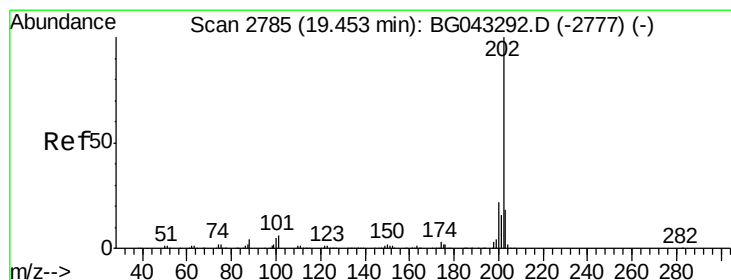
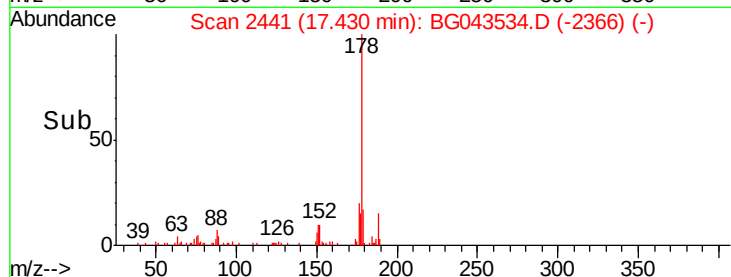
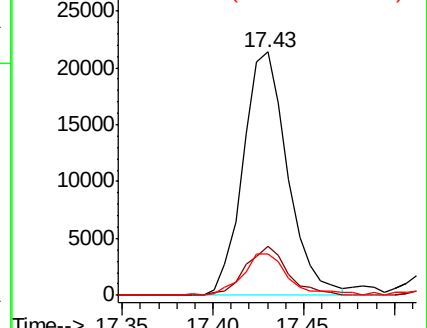
179 17.1 13.7 20.5



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: 11.904 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

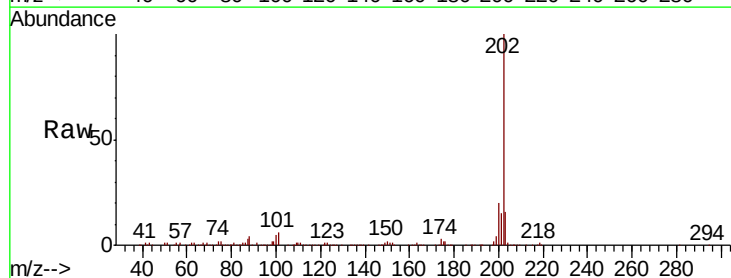
Tgt Ion:202 Resp: 177223

Ion Ratio Lower Upper

202 100

101 6.2 0.0 26.3

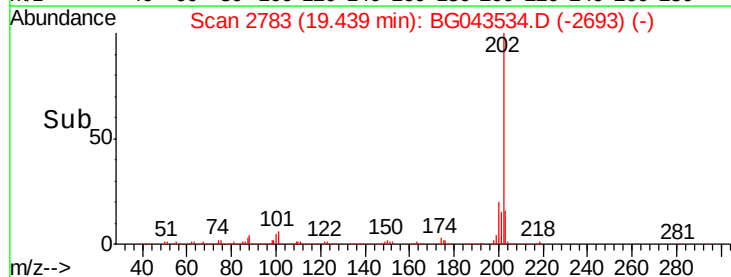
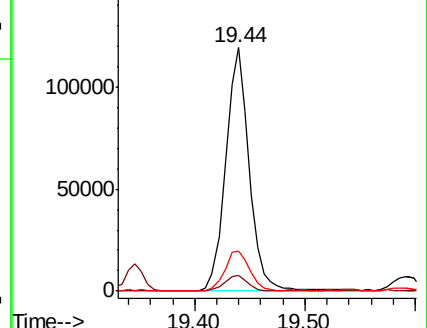
203 16.4 0.0 37.9

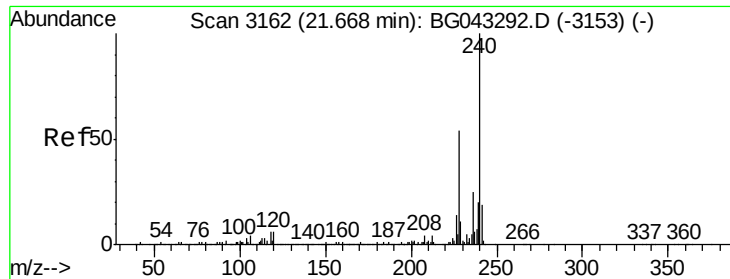


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG043534.D

Acq: 7 Nov 2019 00:01

Instrument :

BNA_G

ClientSampleId :

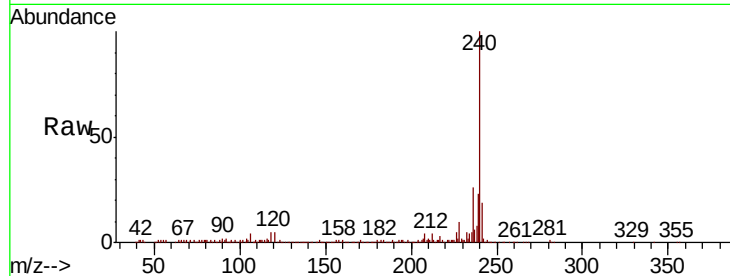
Tot Ion:240 Resp: 228514

Ion Ratio Lower Upper

240 100

120 5.1 4.6 6.8

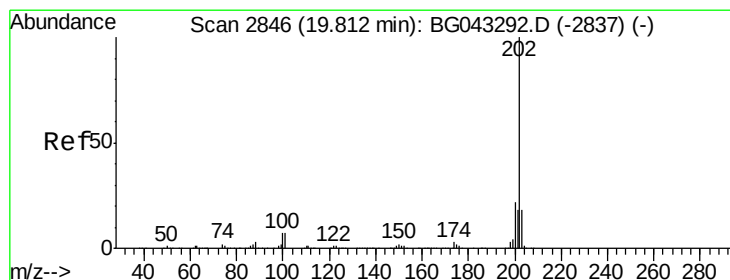
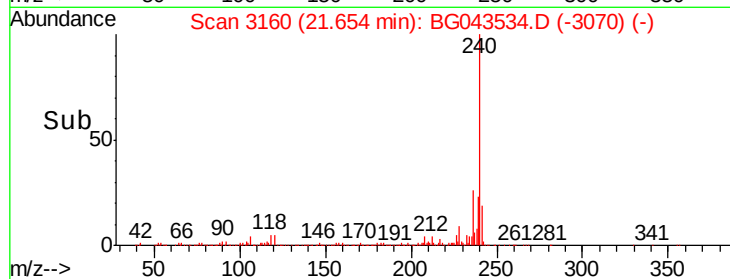
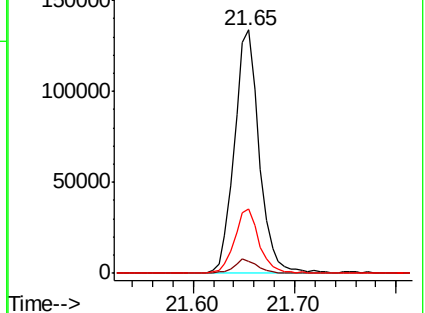
236 26.4 19.8 29.8



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: 11.862 ng

RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

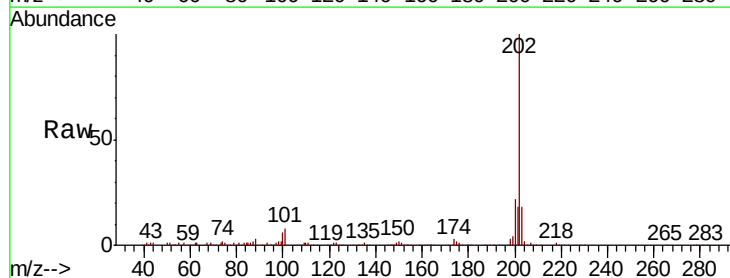
Tgt Ion:202 Resp: 167788

Ion Ratio Lower Upper

202 100

200 22.2 17.0 25.4

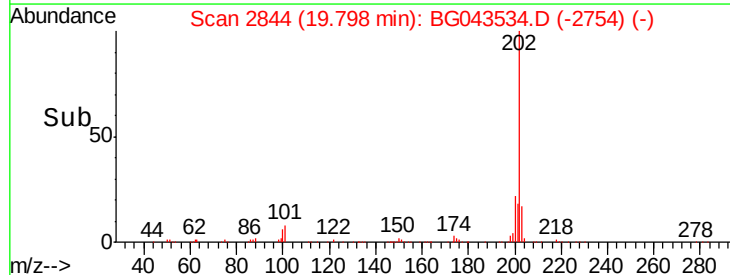
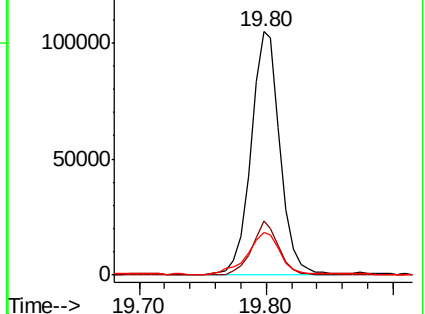
203 17.7 14.7 22.1

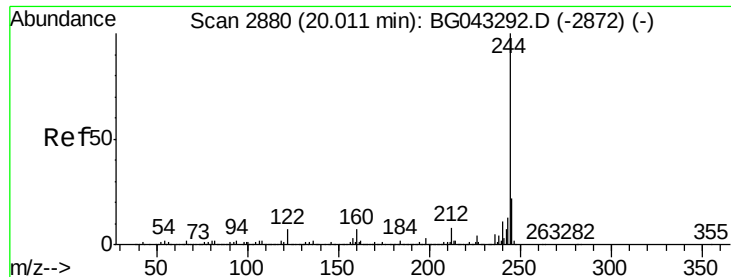


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.741 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

Instrument :

BNA_G

ClientSampleId :

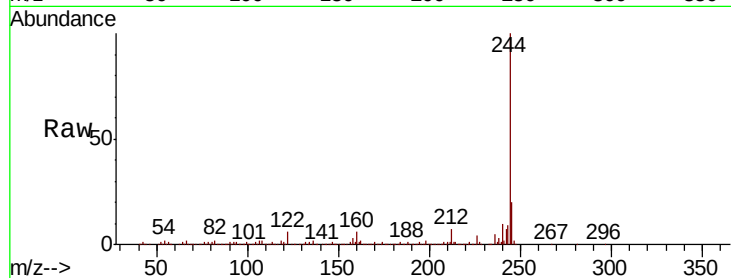
Tot Ion:244 Resp: 605876

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

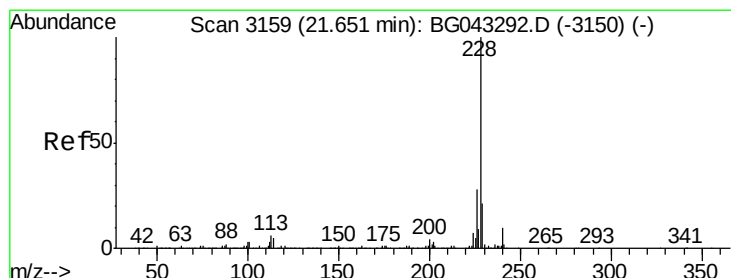
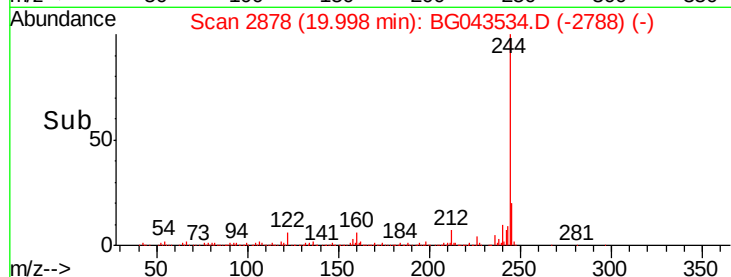
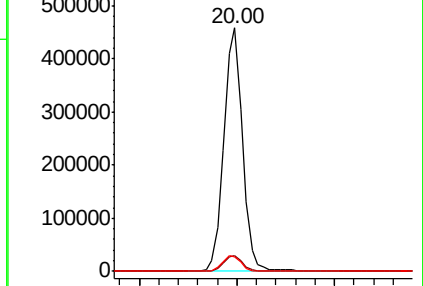
122 6.1 5.4 8.2



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: 6.625 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043534.D

Acq: 7 Nov 2019 00:01

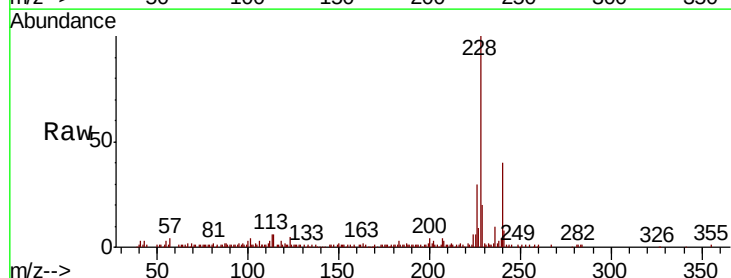
Tgt Ion:228 Resp: 94823

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.2

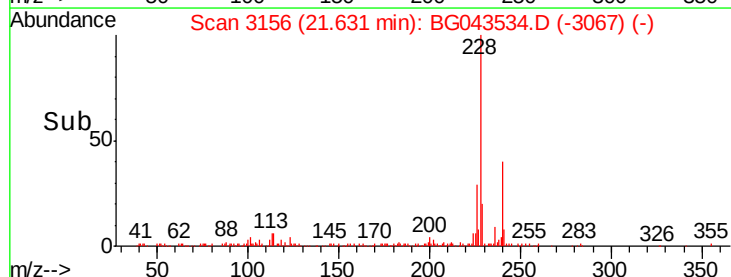
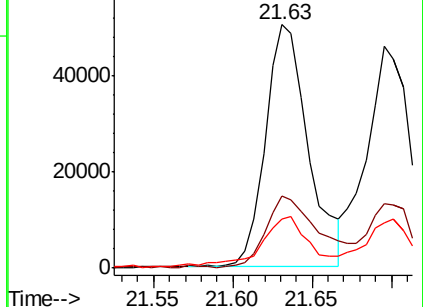
229 20.3 17.0 25.4

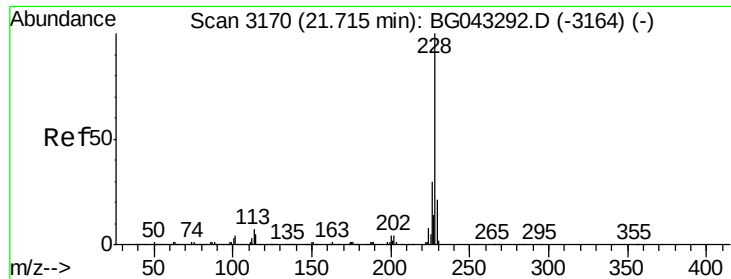


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

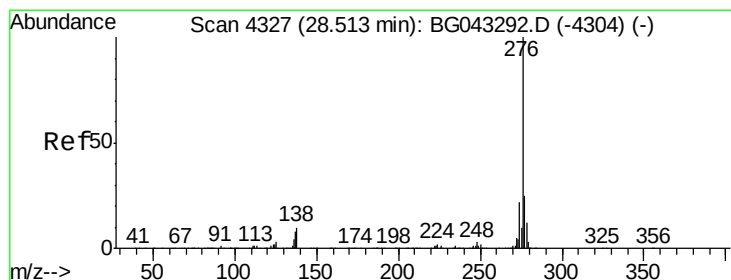
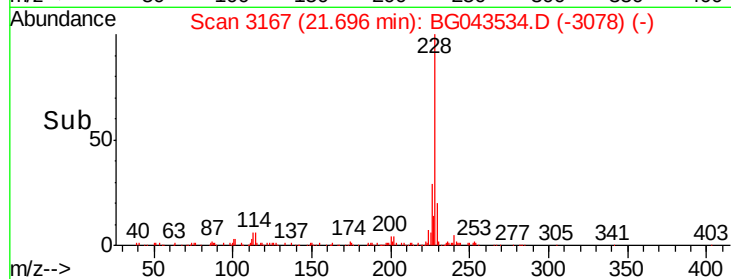
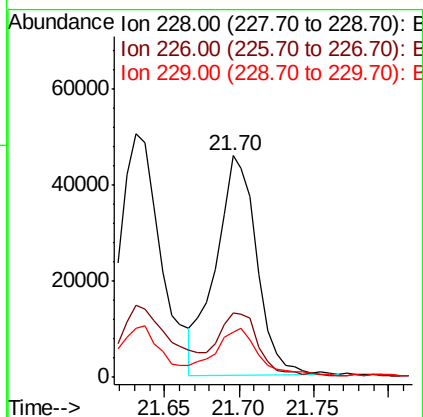
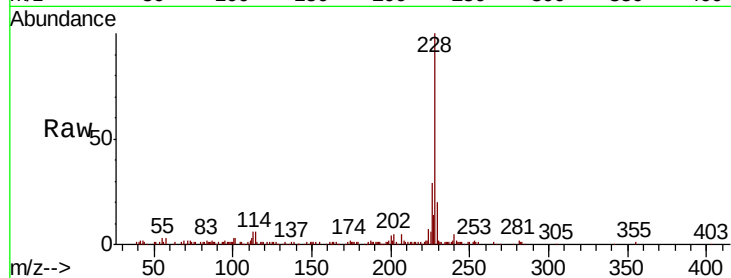




#83
Chrysene
Concen: 6.162 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

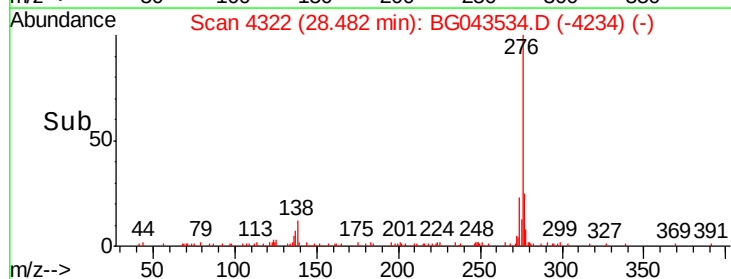
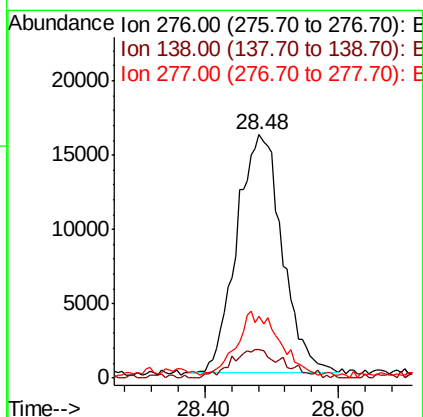
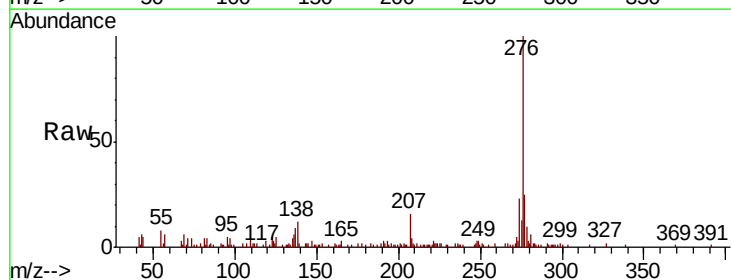
Instrument :
BNA_G
ClientSampleId :

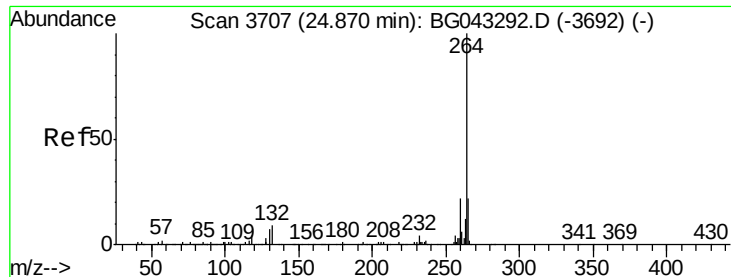
Tot Ion:228 Resp: 87636
Ion Ratio Lower Upper
228 100
226 29.2 25.1 37.7
229 20.5 17.0 25.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.233 ng
RT: 28.48 min Scan# 4322
Delta R.T. -0.01 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion:276 Resp: 75577
Ion Ratio Lower Upper
276 100
138 10.2 6.8 10.2#
277 24.0 20.9 31.3

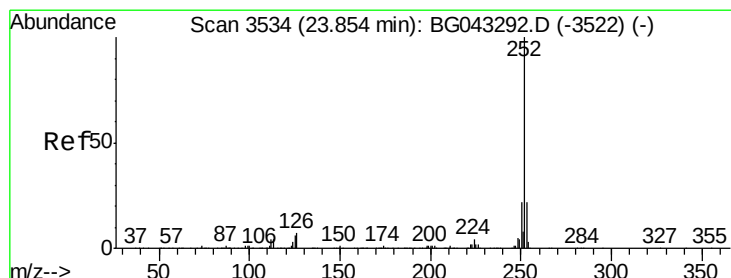
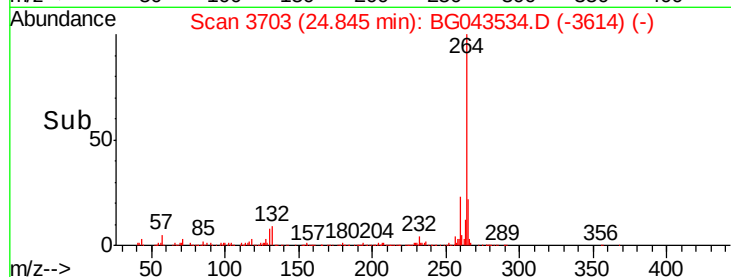
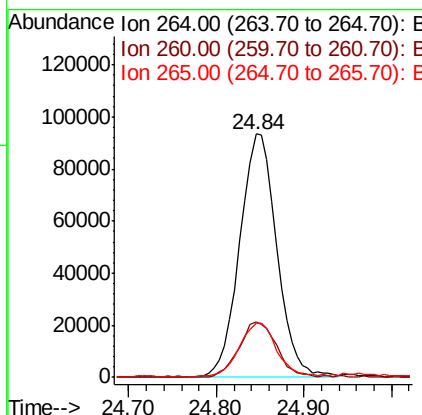
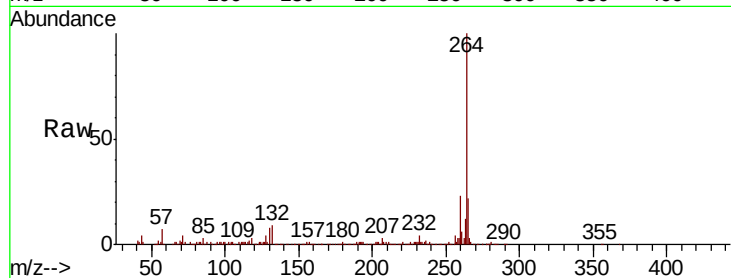




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.84 min Scan# 3703
Delta R.T. -0.01 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

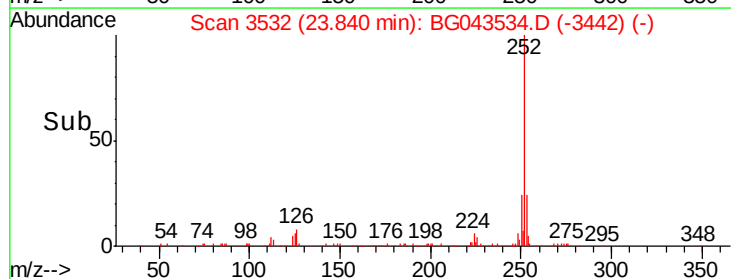
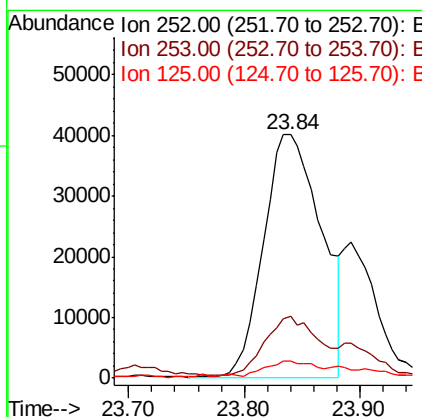
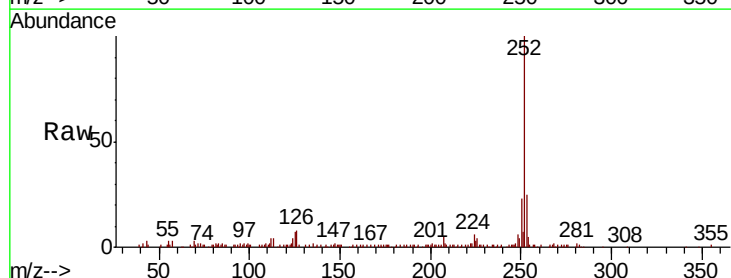
Instrument :
BNA_G
ClientSampleId :

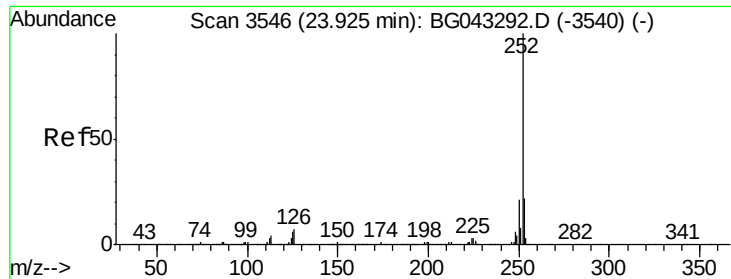
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.5	26.3
265	22.1	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 9.181 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.7	26.5
125	6.8	4.5	6.7#

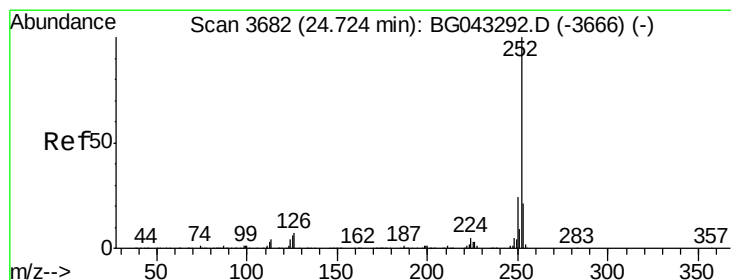
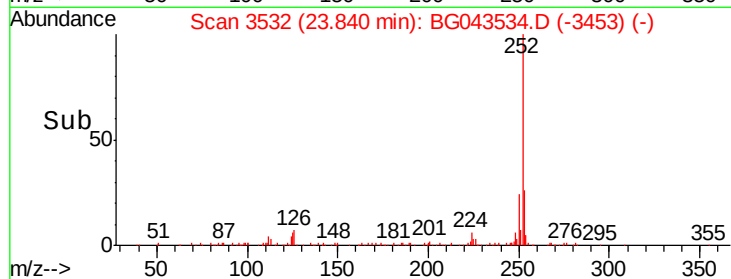
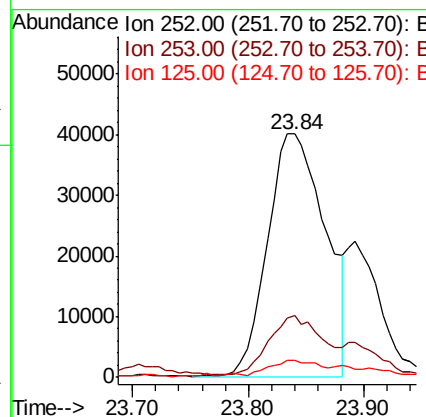
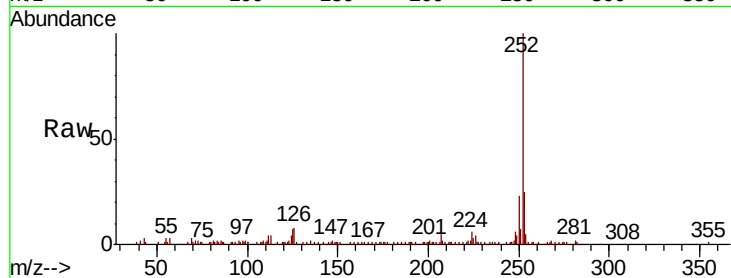




#89
Benzo(k)fluoranthene
Concen: 9.120 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.07 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

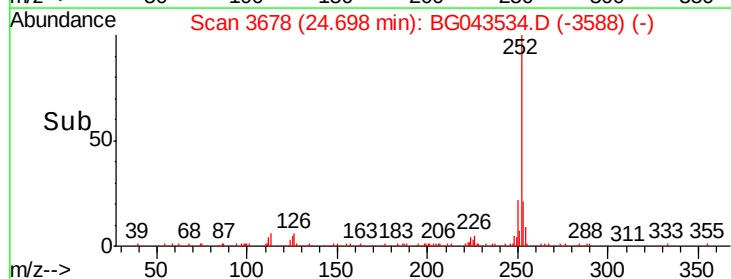
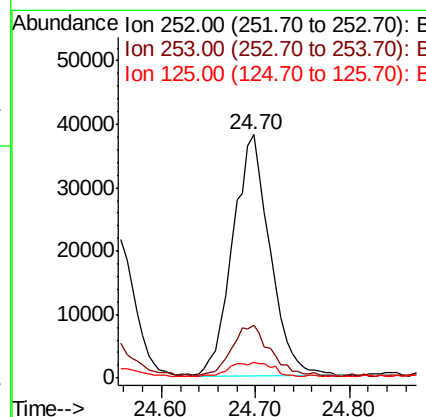
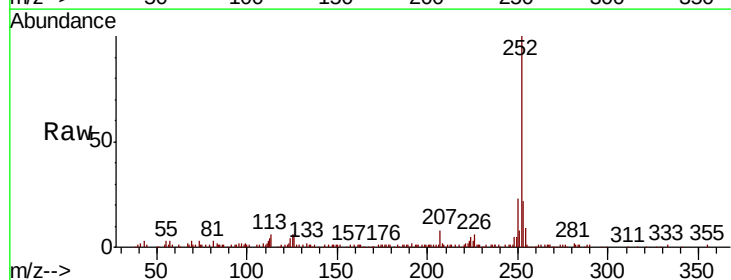
Instrument :
BNA_G
ClientSampleId :

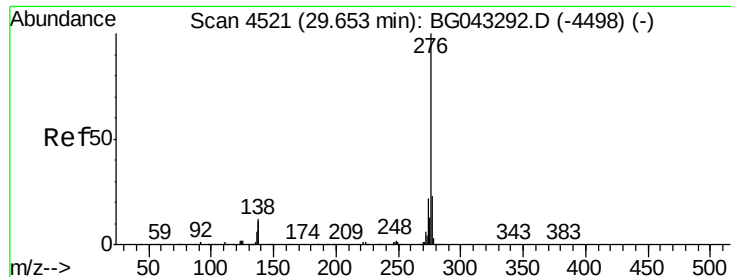
Tot Ion:252 Resp: 140077
Ion Ratio Lower Upper
252 100
253 25.4 17.3 25.9
125 6.8 4.6 6.8



#90
Benzo(a)pyrene
Concen: 7.181 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG043534.D
Acq: 7 Nov 2019 00:01

Tgt Ion:252 Resp: 104616
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 6.2 5.4 8.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.351 ng
 RT: 29.60 min Scan# 4513
 Delta R.T. -0.03 min
 Lab File: BG043534.D
 Acq: 7 Nov 2019 00:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.3	18.9	28.3
138	9.5	8.9	13.3

