

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043509.D
 Acq On : 5 Nov 2019 15:54
 Operator : JU
 Sample : K5497-07DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:45:55 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	43805	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	161406	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	119636	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	283952	20.00	ng	0.00
76) Chrysene-d12	21.66	240	315448	20.00	ng	0.00
87) Perylene-d12	24.86	264	375838	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	105549	44.15	ng	0.00
7) Phenol-d6	7.19	99	146557	42.61	ng	0.00
23) Nitrobenzene-d5	9.18	82	87604	27.98	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	89447	39.29	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	200331	23.14	ng	0.00
79) Terphenyl-d14	19.99	244	376218	22.37	ng	0.00

Target Compounds

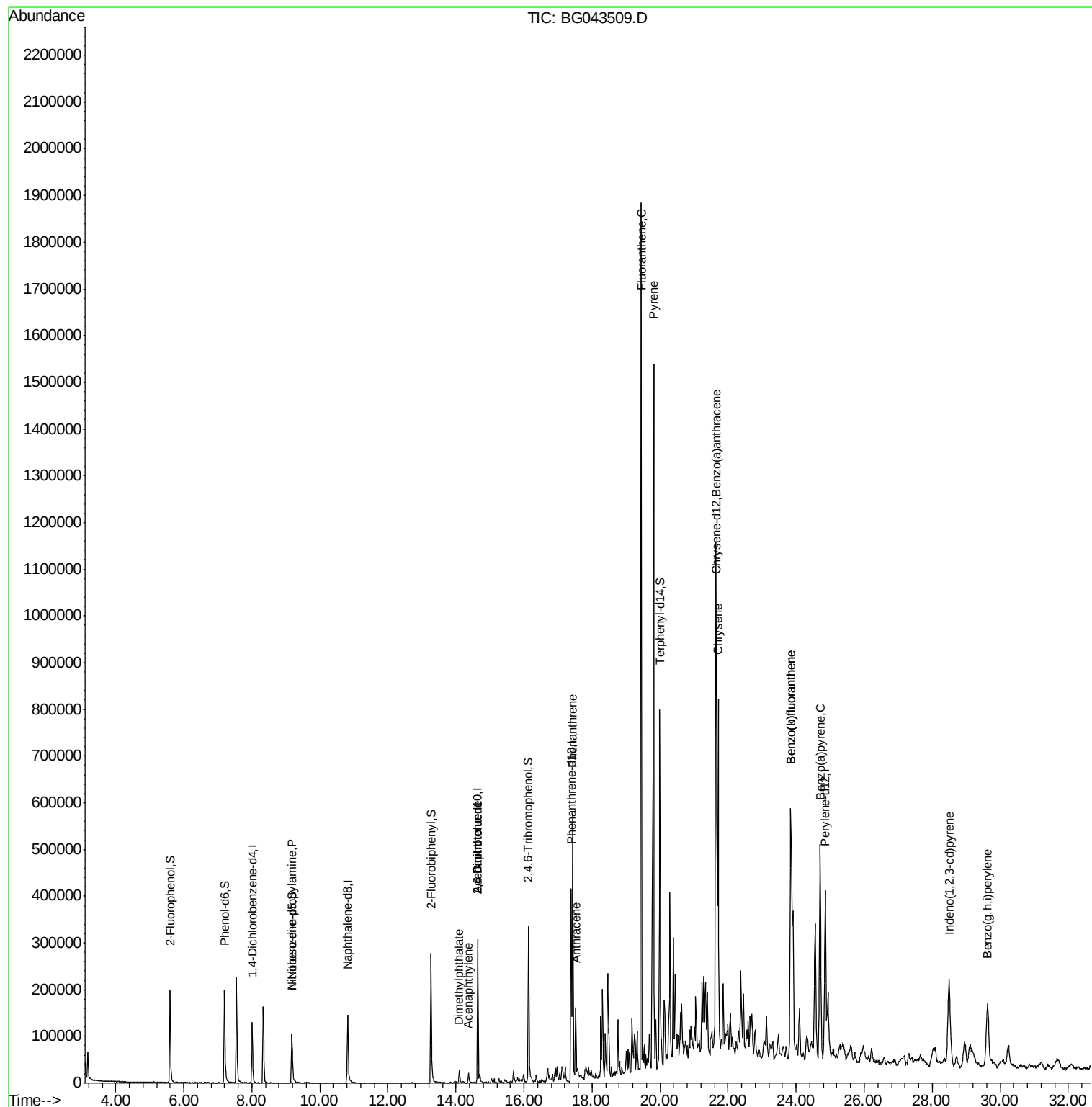
						Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	11557	5.200	ng	# 78
49) Acenaphthylene	14.37	152	24783	2.300	ng	# 94
50) Dimethylphthalate	14.09	163	26508	2.861	ng	100
51) 2,6-Dinitrotoluene	14.64	165	17178	8.533	ng	# 25
57) 2,4-Dinitrotoluene	14.64	165	17178	5.971	ng	# 28
71) Phenanthrene	17.43	178	398128	27.381	ng	100
72) Anthracene	17.52	178	121283	8.337	ng	99
75) Fluoranthene	19.44	202	1220514	64.386	ng	97
78) Pyrene	19.81	202	1070087	54.804	ng	98
81) Benzo(a)anthracene	21.64	228	702155	35.535	ng	99
83) Chrysene	21.70	228	573898	29.232	ng	97
86) Indeno(1,2,3-cd)pyrene	28.50	276	330527	13.412	ng	# 96
88) Benzo(b)fluoranthene	23.84	252	736583	34.604	ng	98
89) Benzo(k)fluoranthene	23.84	252	736583	34.373	ng	97
90) Benzo(a)pyrene	24.71	252	553796	27.245	ng	97
92) Benzo(g,h,i)perylene	29.62	276	293667	14.319	ng	99

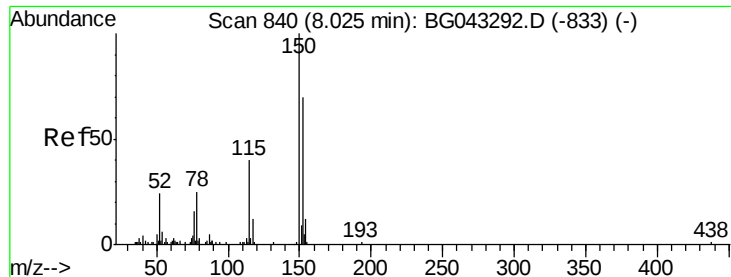
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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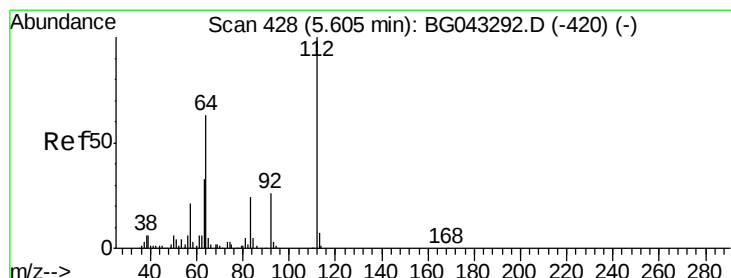
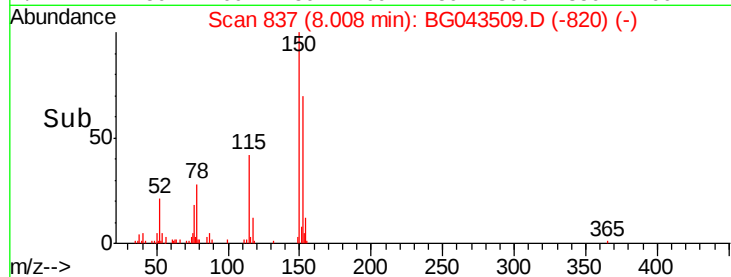
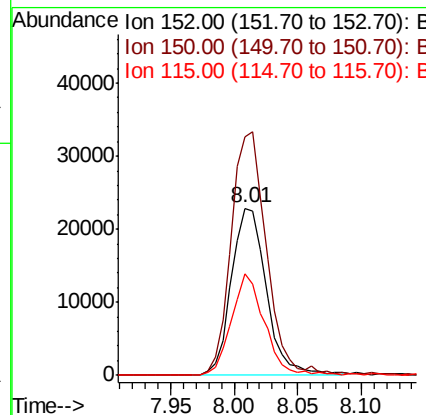
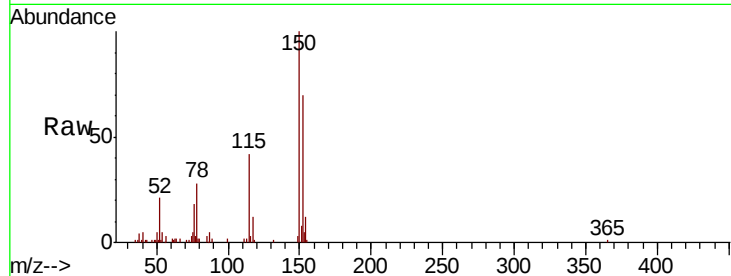


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampled :

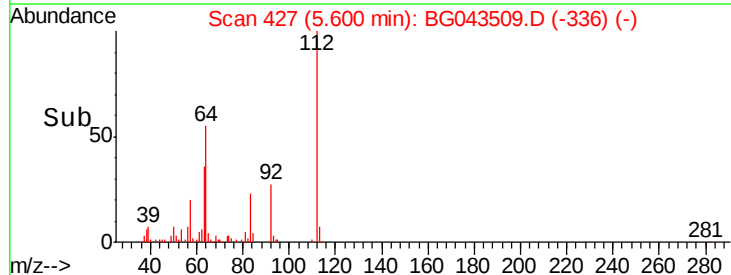
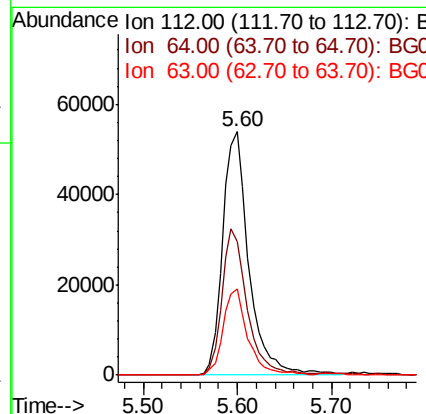
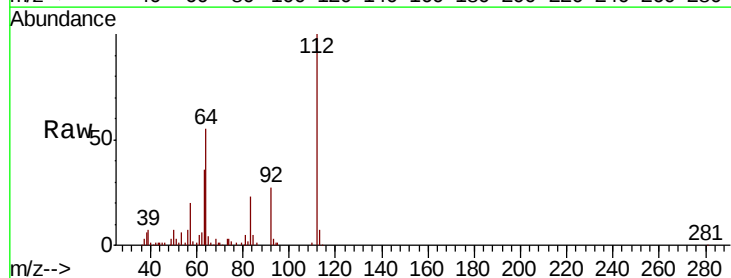
Tot Ion:152 Resp: 43805
Ion Ratio Lower Upper
152 100
150 142.8 129.4 194.0
115 60.7 48.8 73.2

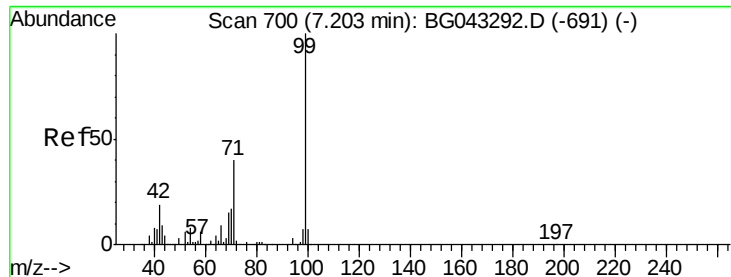


#5

2-Fluorophenol
Concen: 44.153 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion:112 Resp: 105549
Ion Ratio Lower Upper
112 100
64 54.9 50.0 75.0
63 35.5 26.6 40.0





#7

Phenol-d6

Concen: 42.611 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

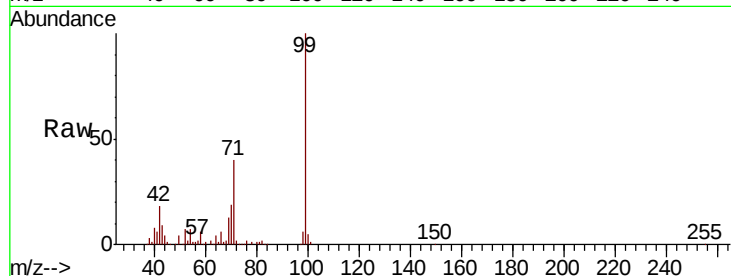
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 146557

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	40.3	32.5	48.7

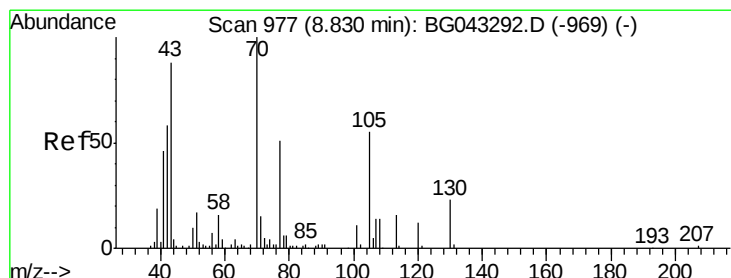
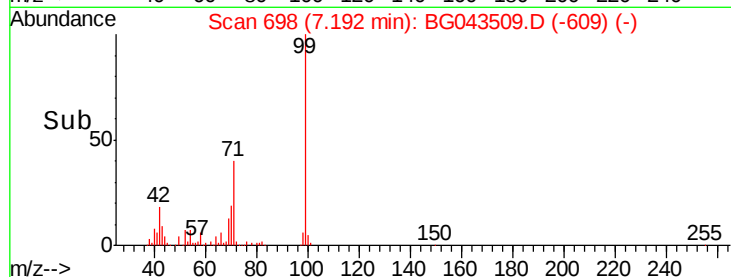
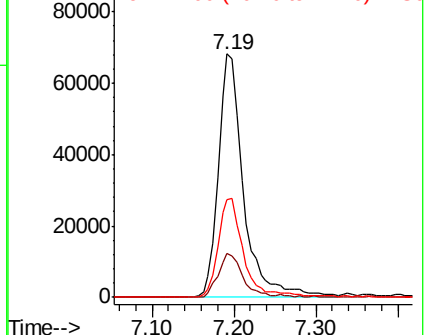


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 5.200 ng

RT: 9.17 min Scan# 1035

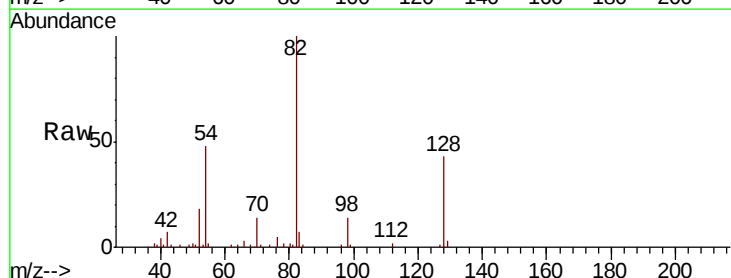
Delta R.T. 0.36 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Tgt Ion: 70 Resp: 11557

Ion	Ratio	Lower	Upper
70	100		
42	45.3	41.4	62.2
101	0.0	7.9	11.9#
130	0.0	19.0	28.4#



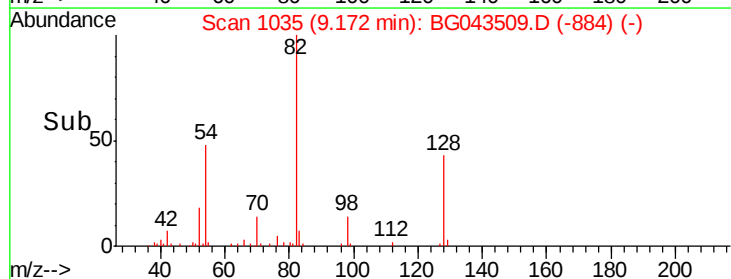
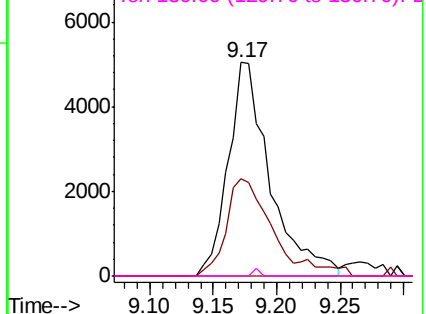
Abundance

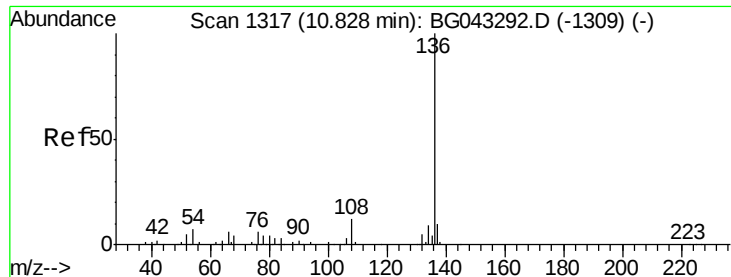
Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 161406

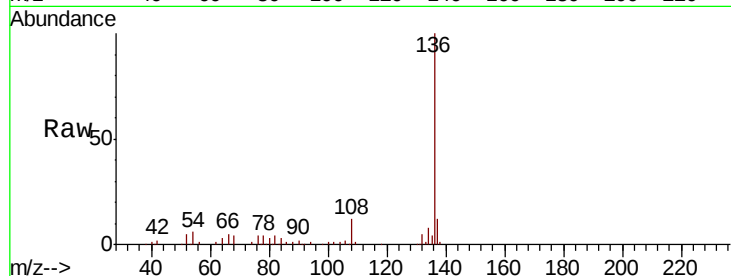
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 6.5 5.4 8.2

68 4.1 3.0 4.4

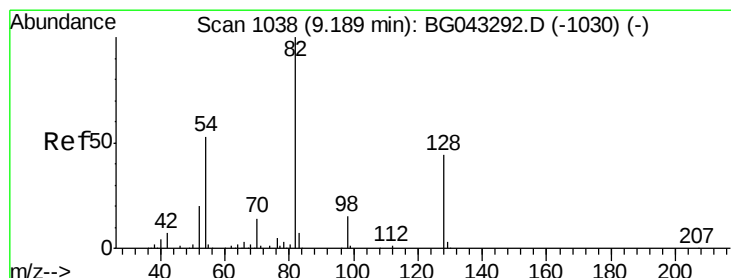
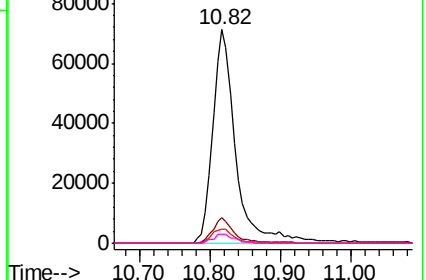
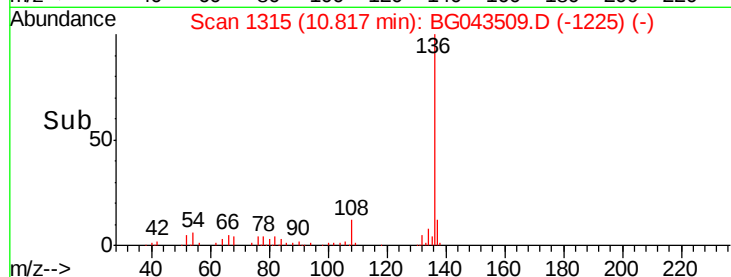


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 27.982 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

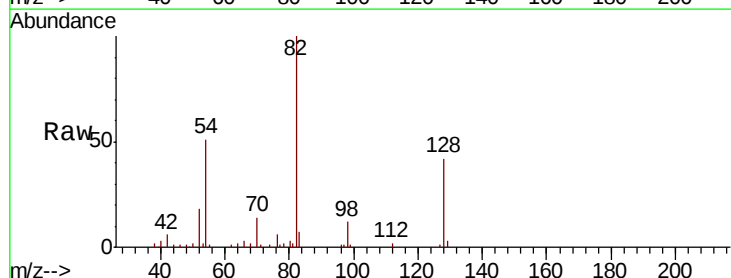
Tgt Ion: 82 Resp: 87604

Ion Ratio Lower Upper

82 100

128 41.7 35.0 52.6

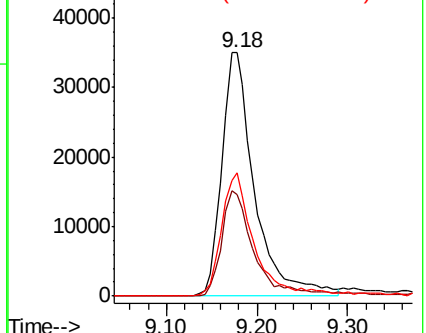
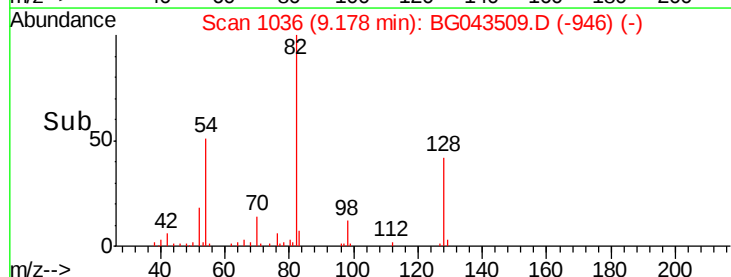
54 50.6 40.2 60.2

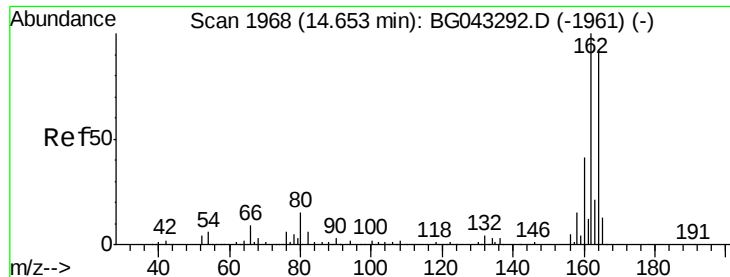


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

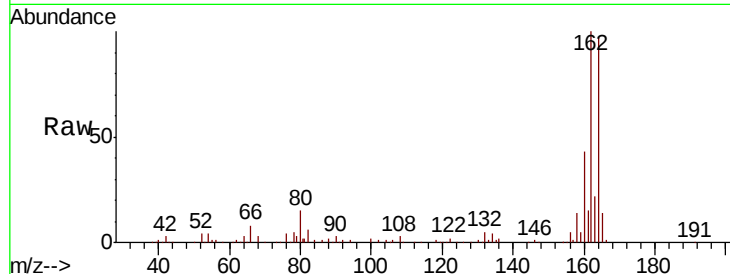




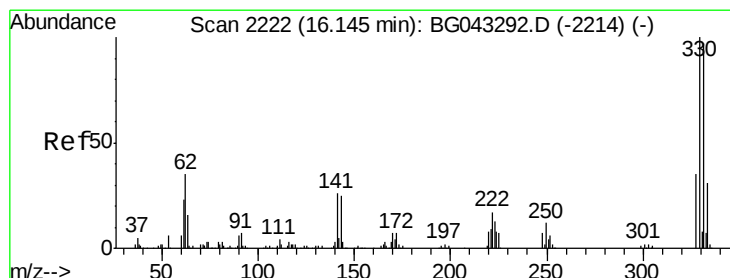
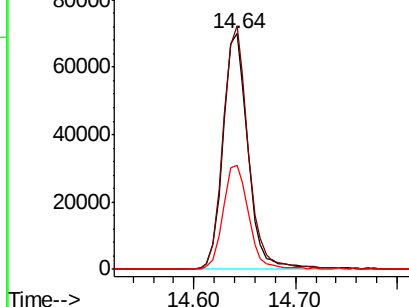
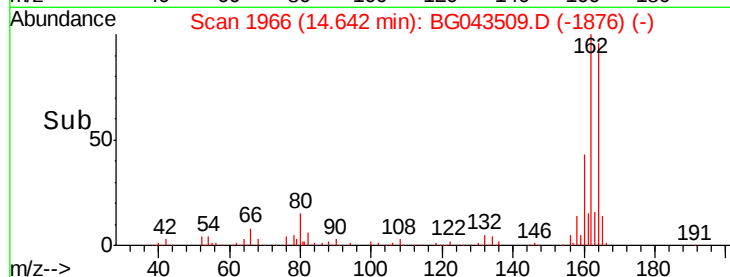
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 119636
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.5 125.3
 160 44.0 36.5 54.7

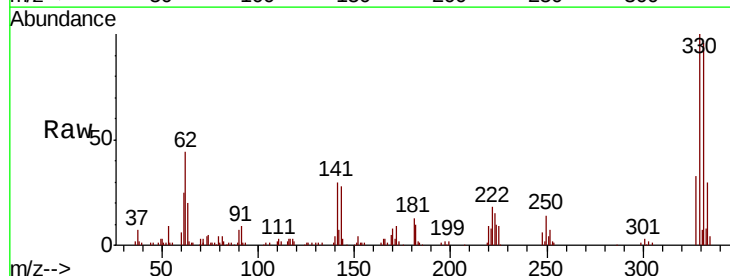


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

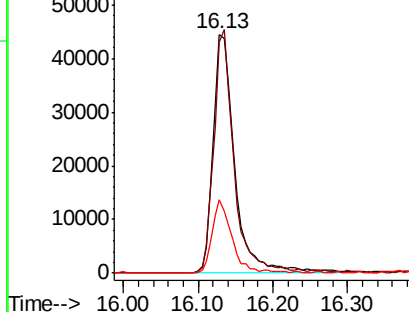
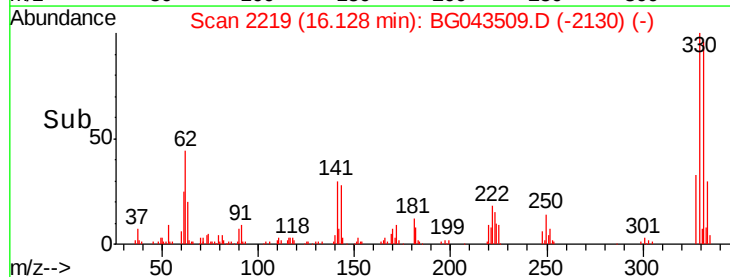


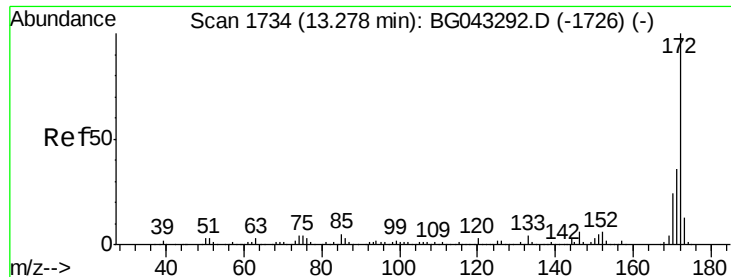
#42
 2,4,6-Tribromophenol
 Concen: 39.288 ng
 RT: 16.13 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Tgt Ion:330 Resp: 89447
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.4 116.0
 141 27.9 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

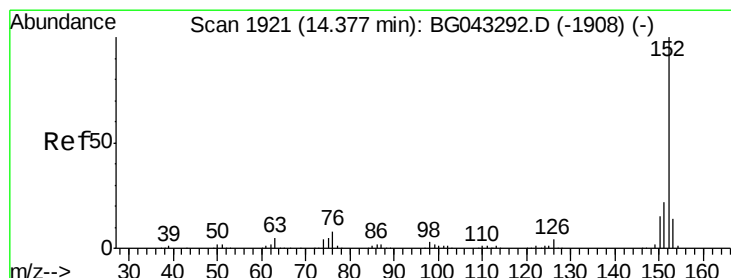
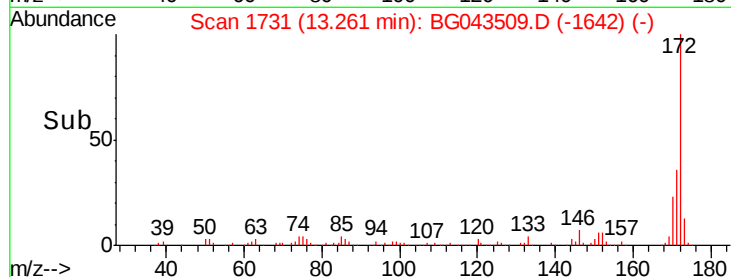
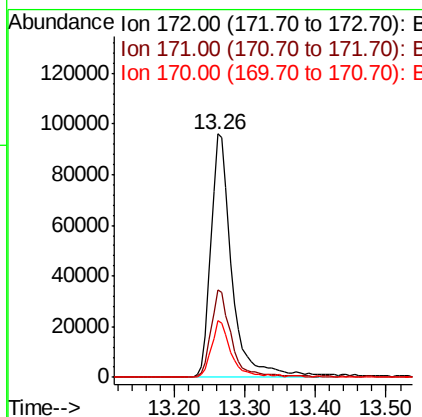
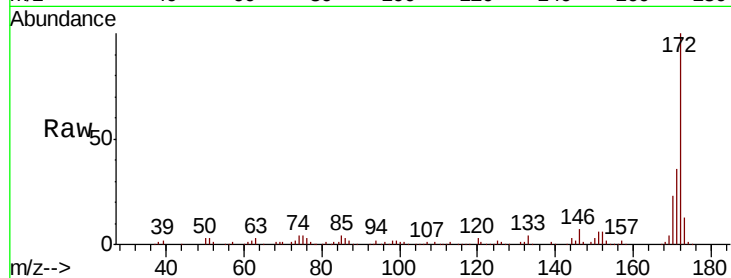




#45
 2-Fluorobiphenyl
 Concen: 23.138 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

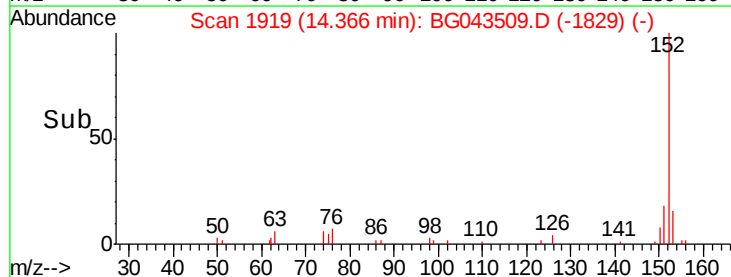
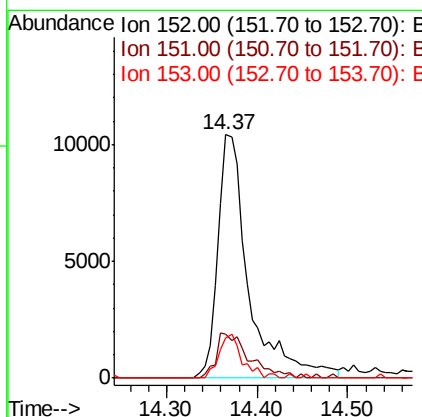
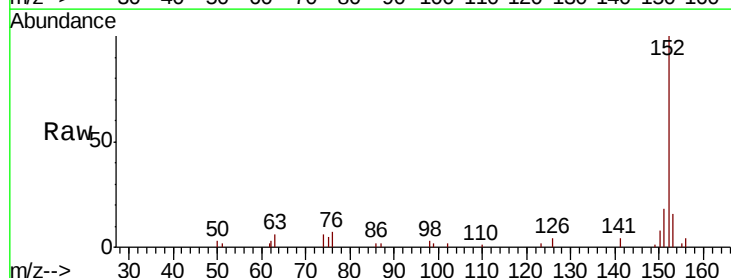
Instrument :
 BNA_G
 ClientSampleId :

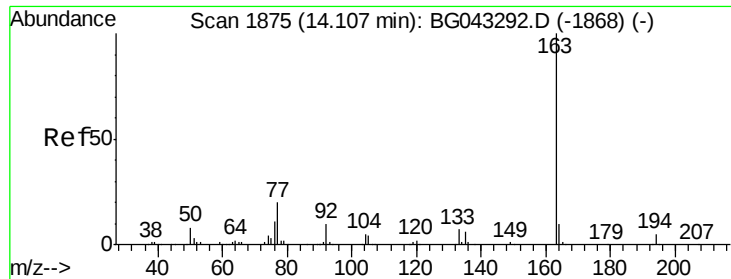
Tot Ion:172 Resp: 200331
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 23.3 18.5 27.7



#49
 Acenaphthylene
 Concen: 2.300 ng
 RT: 14.37 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Tgt Ion:152 Resp: 24783
 Ion Ratio Lower Upper
 152 100
 151 18.1 16.2 24.4
 153 16.4 10.6 15.8#





#50

Dimethylphthalate

Concen: 2.861 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

ClientSampleId :

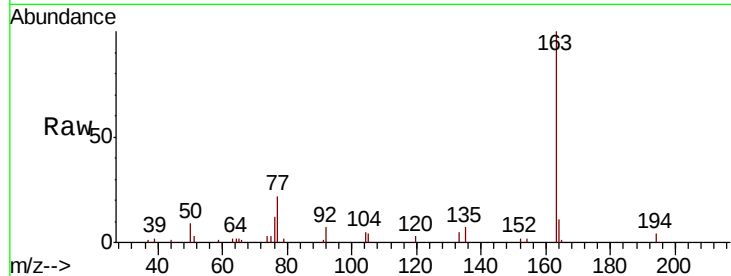
Tot Ion:163 Resp: 26508

Ion Ratio Lower Upper

163 100

194 4.4 3.8 5.6

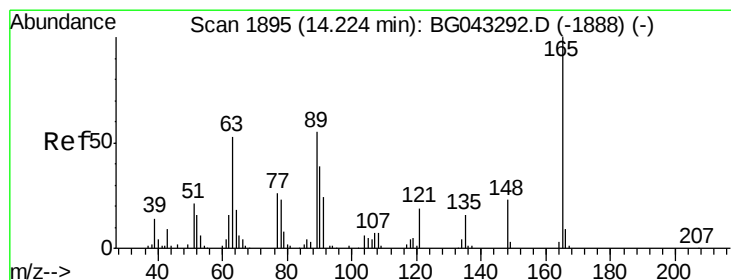
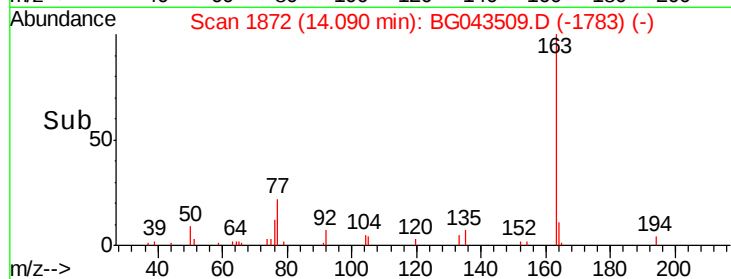
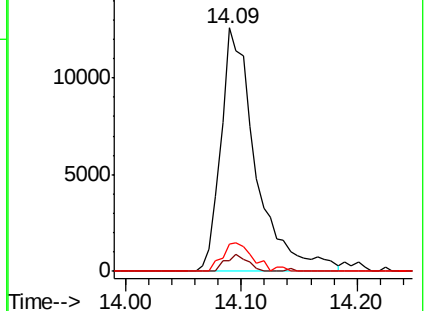
164 11.2 8.9 13.3



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



#51

2,6-Dinitrotoluene

Concen: 8.533 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.43 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

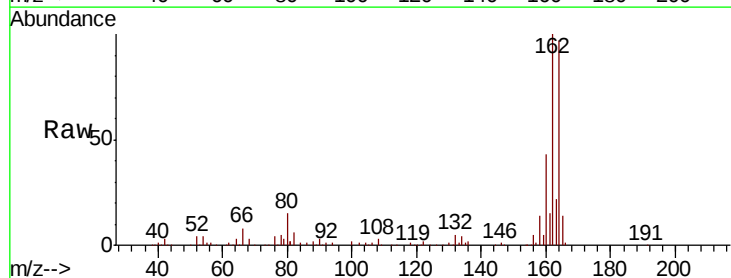
Tgt Ion:165 Resp: 17178

Ion Ratio Lower Upper

165 100

63 1.9 46.6 69.8#

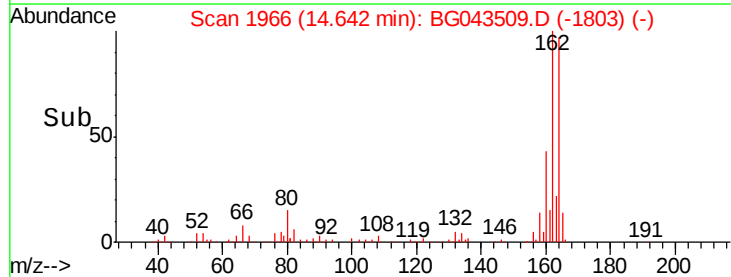
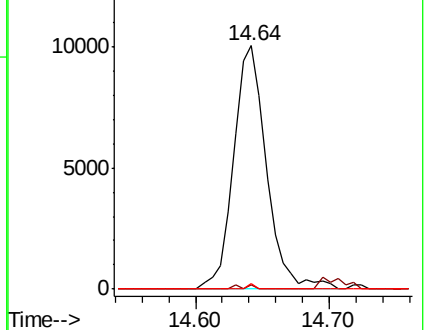
89 2.3 45.1 67.7#

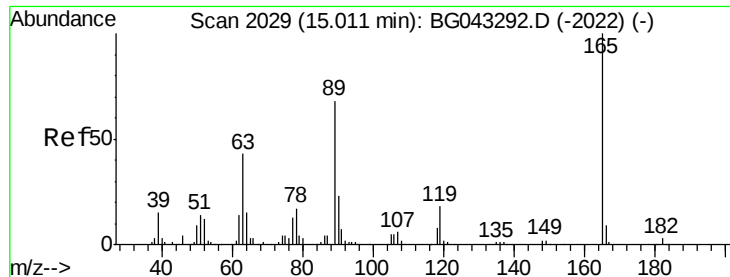


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

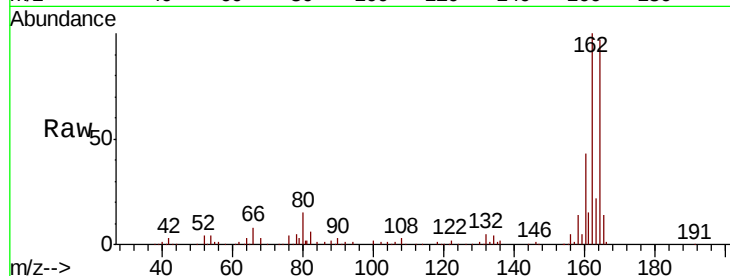




#57
 2,4-Dinitrotoluene
 Concen: 5.971 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.2	49.8#
89	2.3	52.2	78.4#
182	0.0	2.0	3.0#



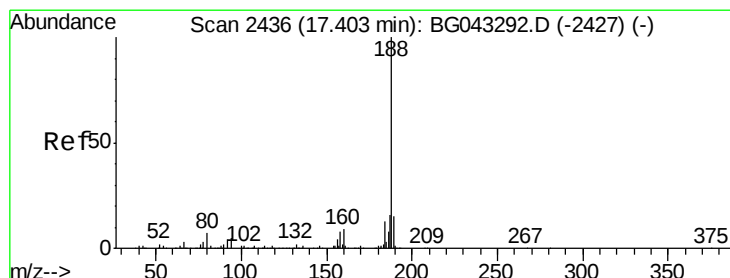
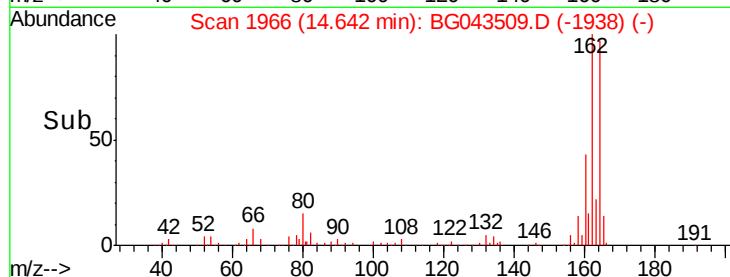
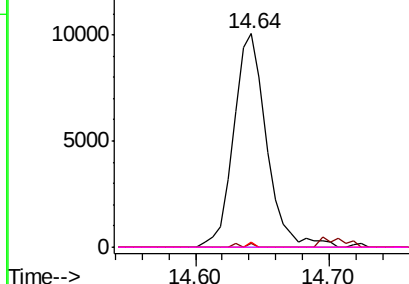
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2433
 Delta R.T. -0.00 min
 Lab File: BG043509.D
 Acq: 5 Nov 2019 15:54

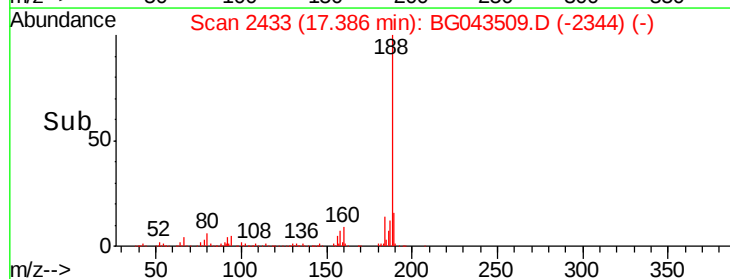
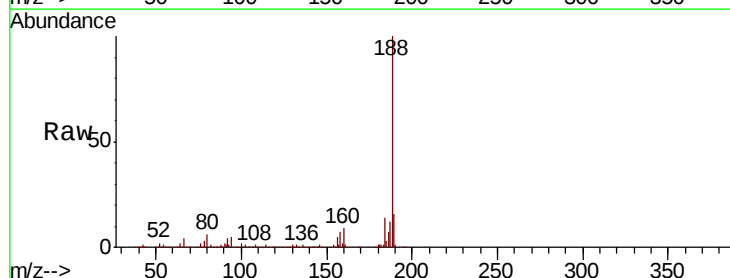
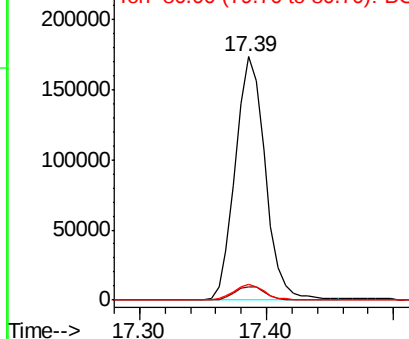
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	4.2	6.4
80	6.3	4.5	6.7

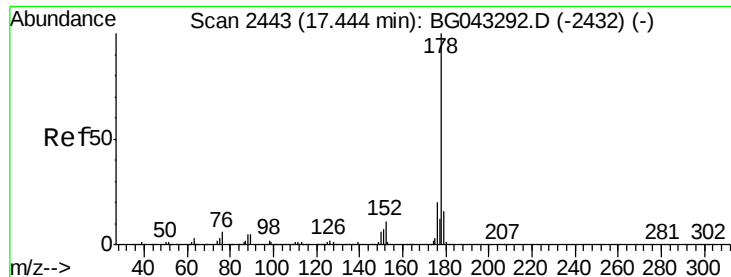
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

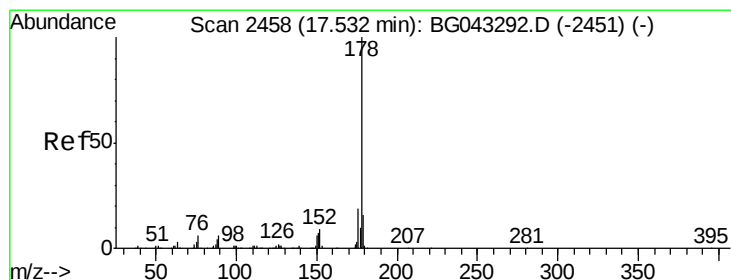
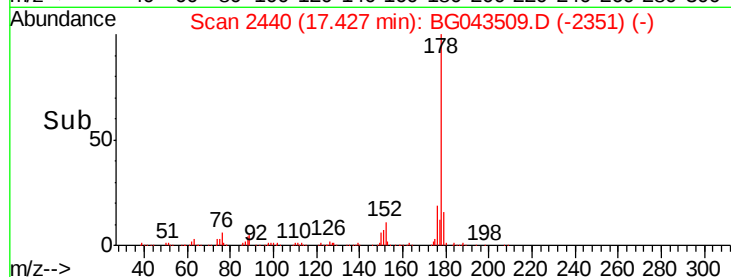
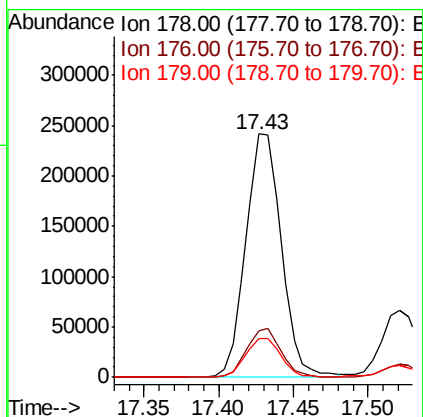
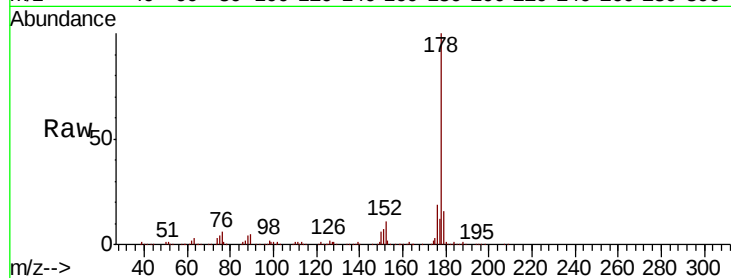




#71
Phenanthrene
Concen: 27.381 ng
RT: 17.43 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

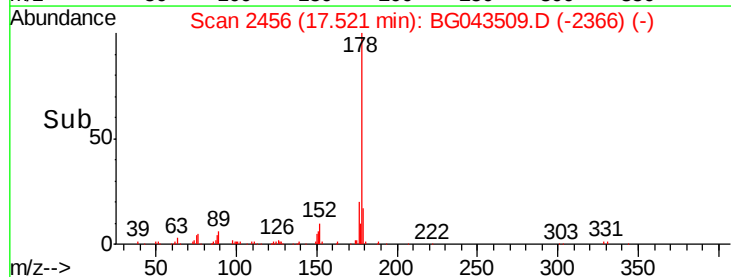
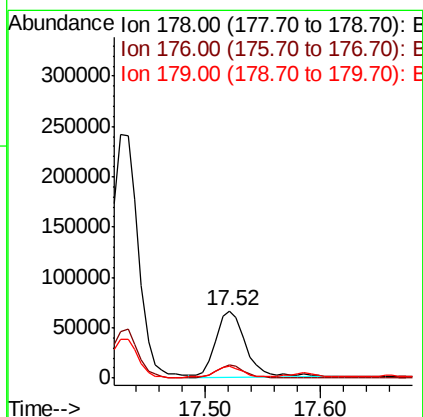
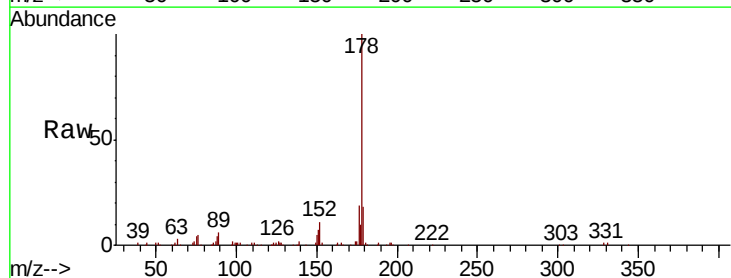
Instrument :
BNA_G
ClientSampleId :

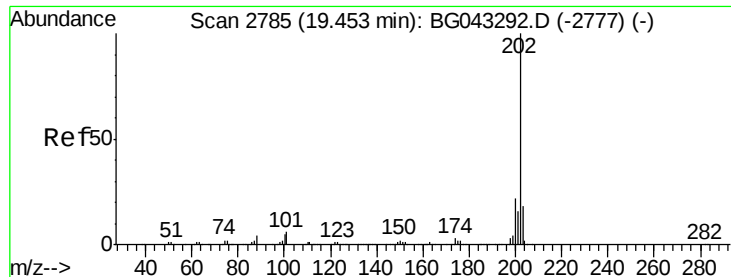
Tot Ion:178 Resp: 398128
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.2 13.0 19.6



#72
Anthracene
Concen: 8.337 ng
RT: 17.52 min Scan# 2456
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion:178 Resp: 121283
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 17.6 13.7 20.5





#75

Fluoranthene

Concen: 64.386 ng

RT: 19.44 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

ClientSampled :

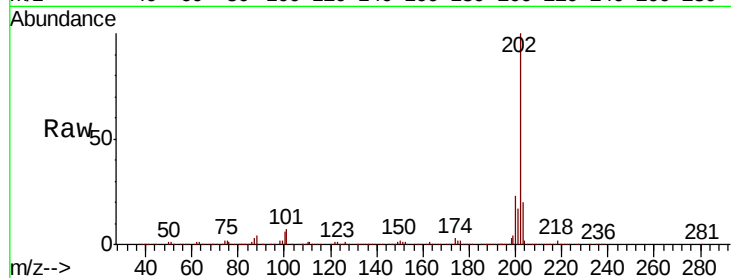
Tot Ion:202 Resp: 1220514

Ion Ratio Lower Upper

202 100

101 7.1 0.0 26.3

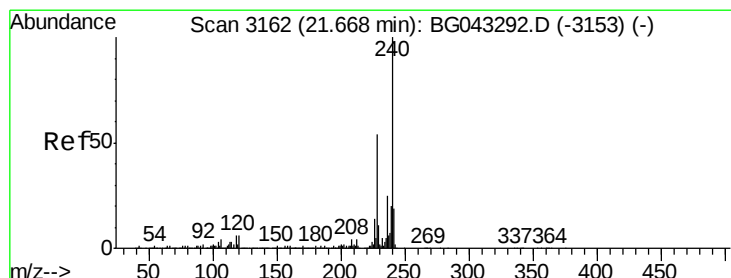
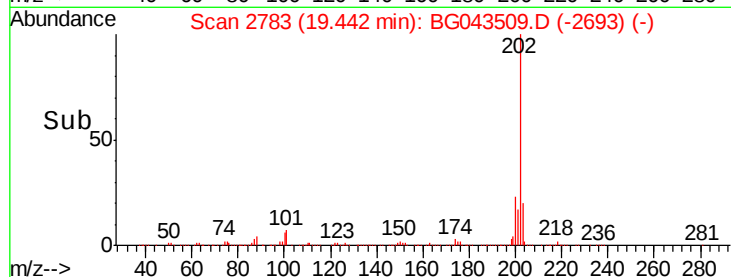
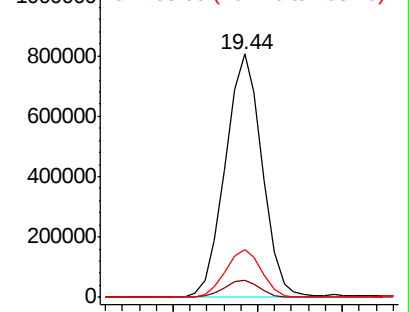
203 19.5 0.0 37.9



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: 21.66 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

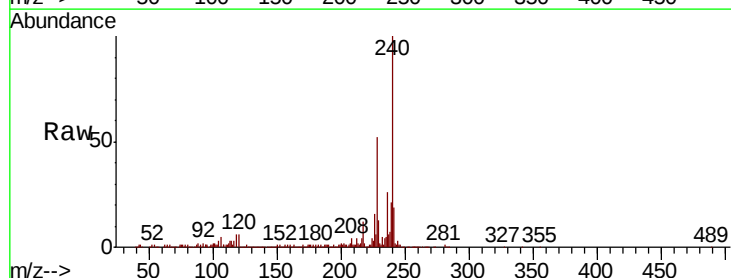
Tgt Ion:240 Resp: 315448

Ion Ratio Lower Upper

240 100

120 6.1 4.6 6.8

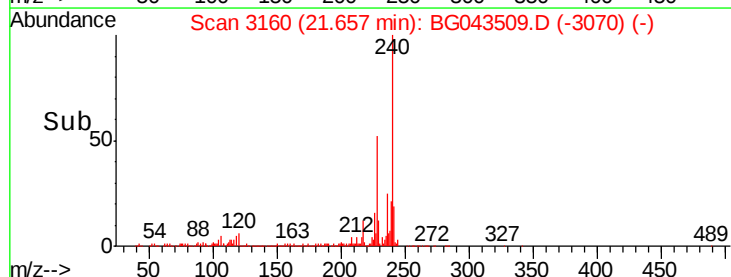
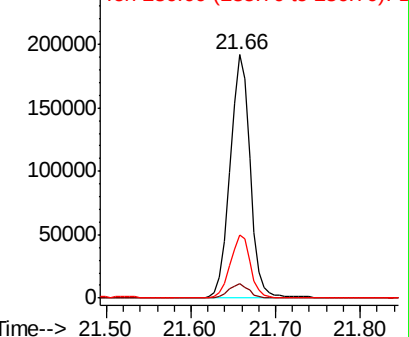
236 25.7 19.8 29.8

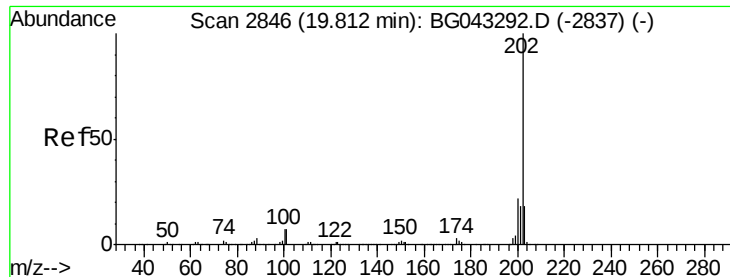


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

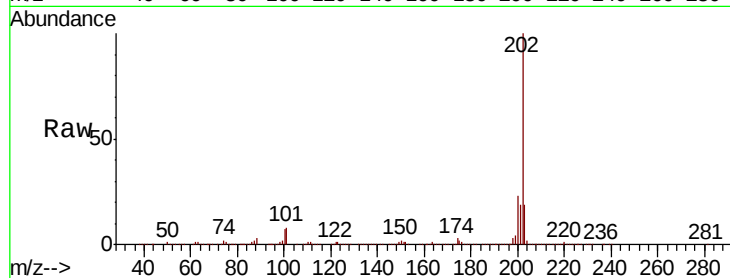




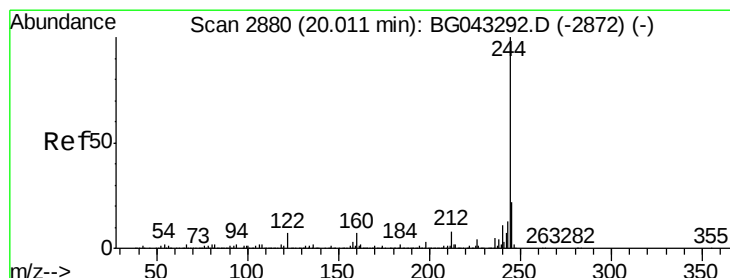
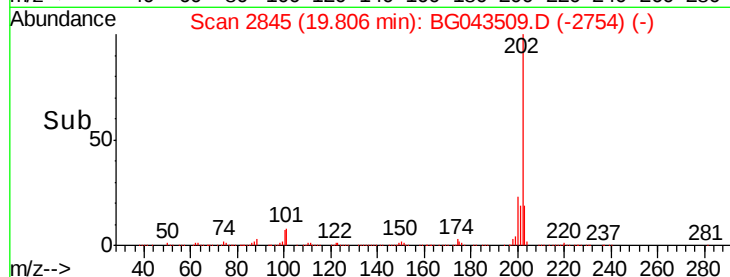
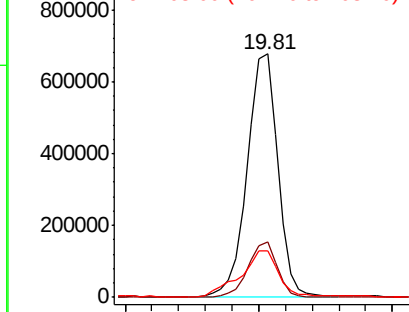
#78
Pvrene
Concen: 54.804 ng
RT: 19.81 min Scan# 2845
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 1070087
Ion Ratio Lower Upper
202 100
200 22.5 17.0 25.4
203 19.2 14.7 22.1

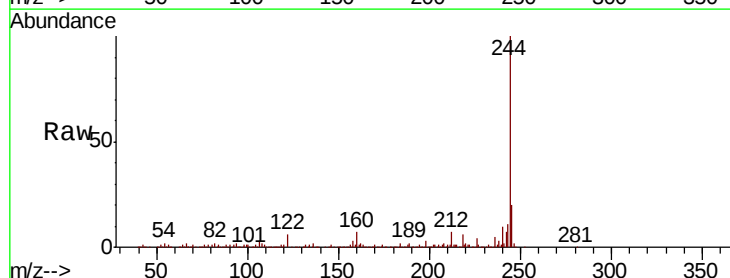


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

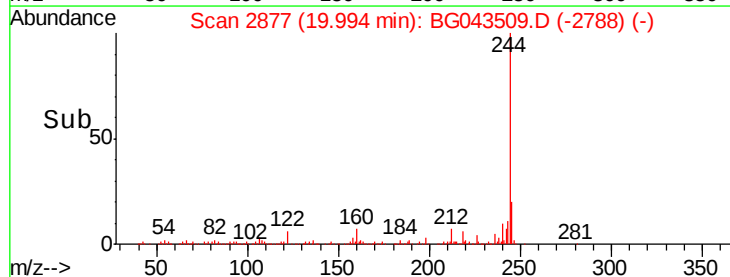
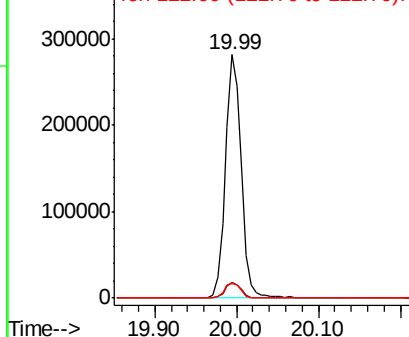


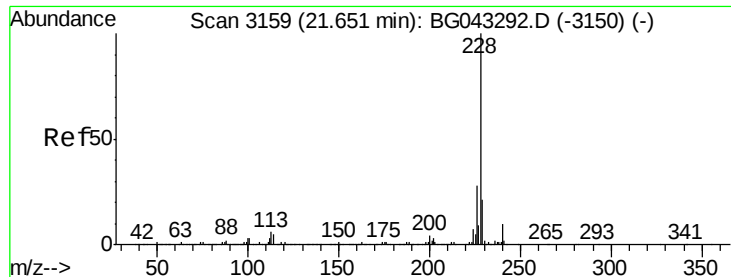
#79
Terphenyl-d14
Concen: 22.375 ng
RT: 19.99 min Scan# 2877
Delta R.T. -0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion:244 Resp: 376218
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 6.2 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

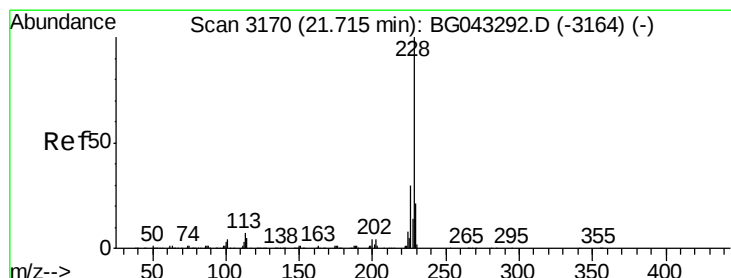
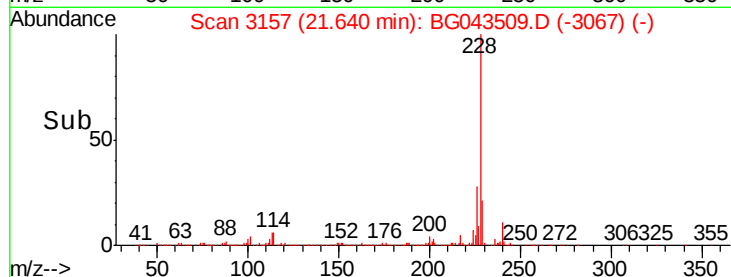
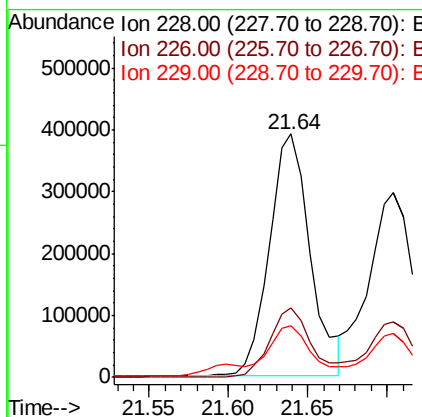
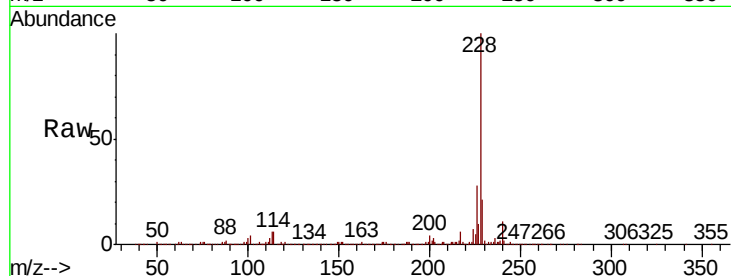




#81
Benzo(a)anthracene
Concen: 35.535 ng
RT: 21.64 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

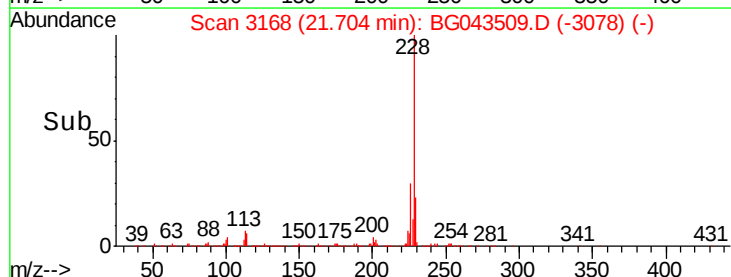
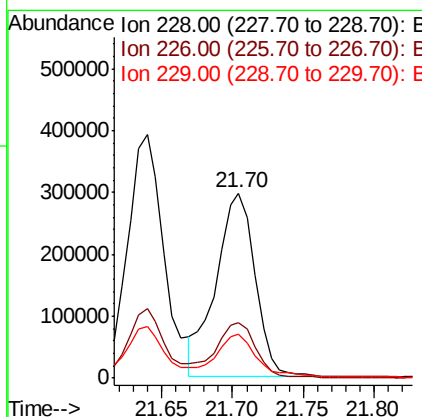
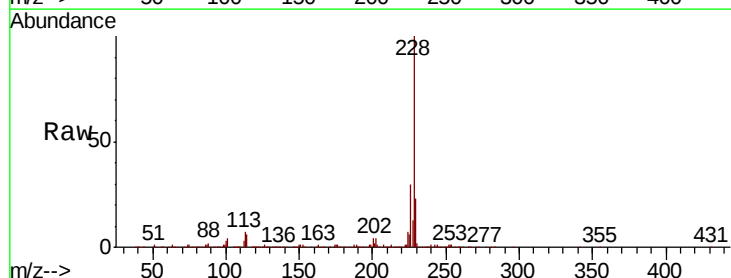
Instrument :
BNA_G
ClientSampleId :

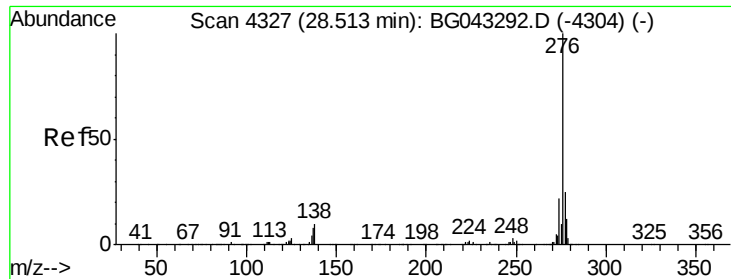
Tot Ion:228 Resp: 702155
Ion Ratio Lower Upper
228 100
226 28.3 22.2 33.2
229 21.4 17.0 25.4



#83
Chrysene
Concen: 29.232 ng
RT: 21.70 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion:228 Resp: 573898
Ion Ratio Lower Upper
228 100
226 30.0 25.1 37.7
229 23.5 17.0 25.4

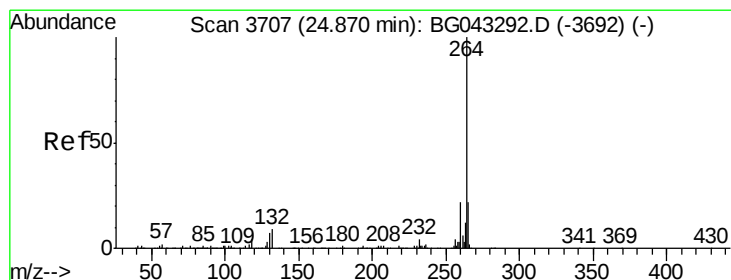
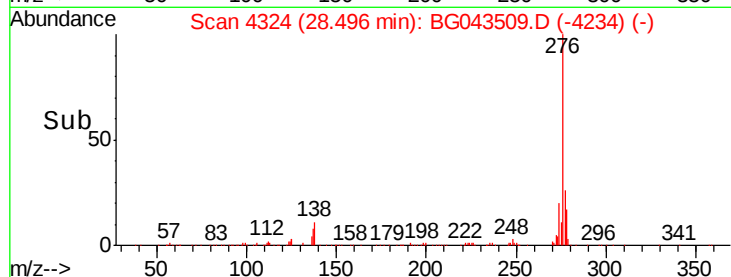
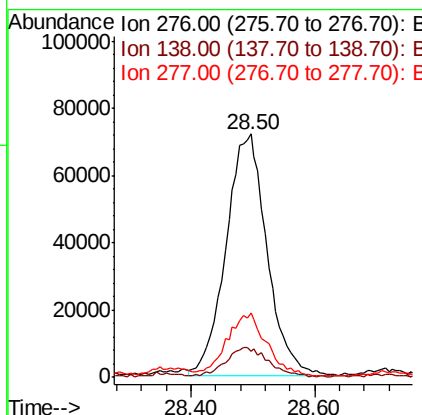
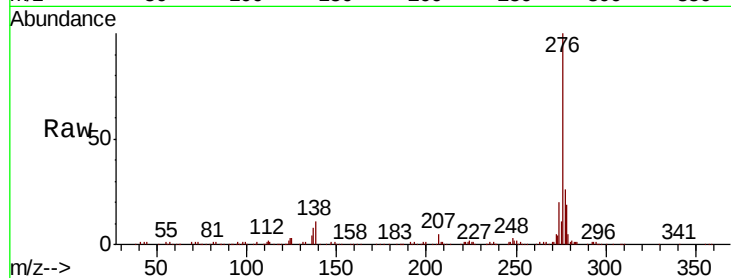




#86
Indeno(1,2,3-cd)pyrene
Concen: 13.412 ng
RT: 28.50 min Scan# 4324
Delta R.T. 0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

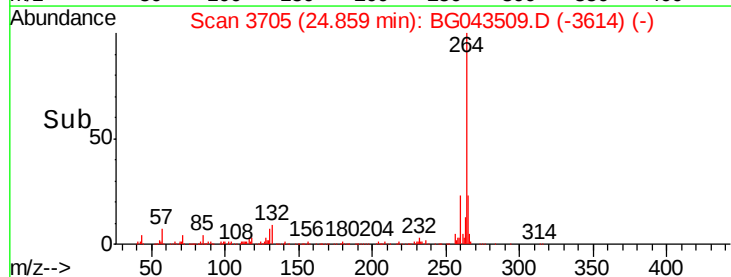
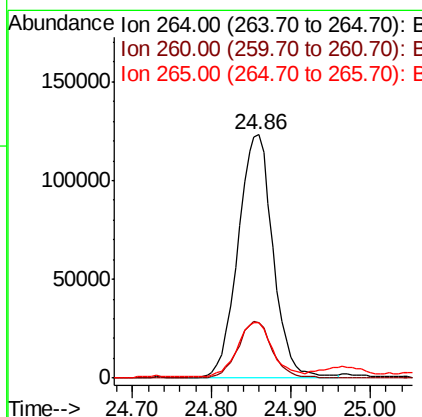
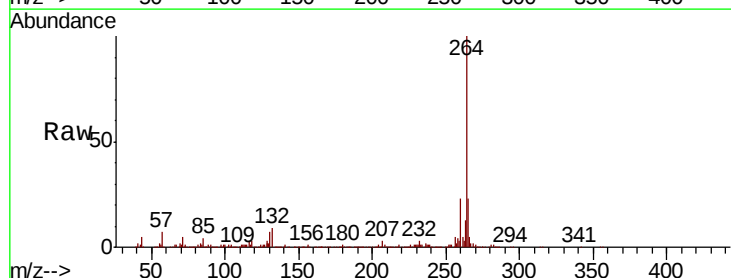
Instrument :
BNA_G
ClientSampled :

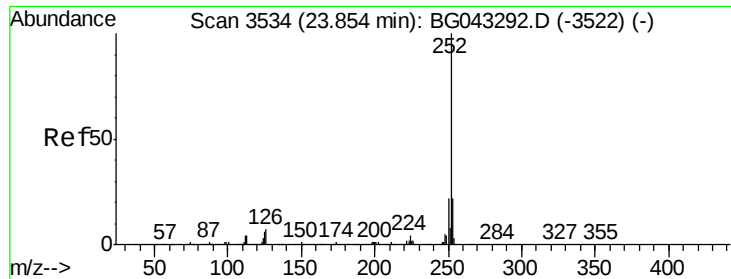
Tot Ion:276 Resp: 330527
Ion Ratio Lower Upper
276 100
138 13.3 6.8 10.2#
277 25.6 20.9 31.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion:264 Resp: 375838
Ion Ratio Lower Upper
264 100
260 23.0 17.5 26.3
265 22.8 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 34.604 ng

RT: 23.84 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

Instrument :

BNA_G

ClientSampled :

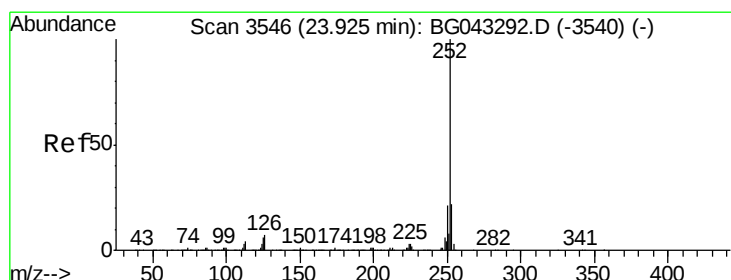
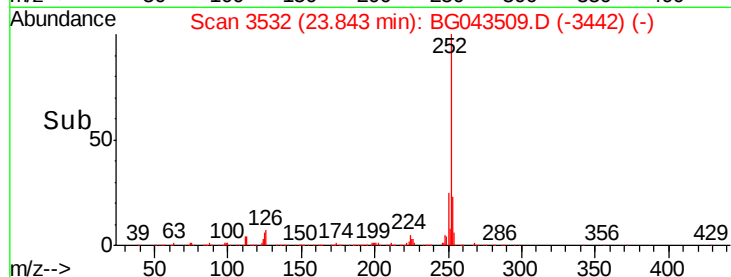
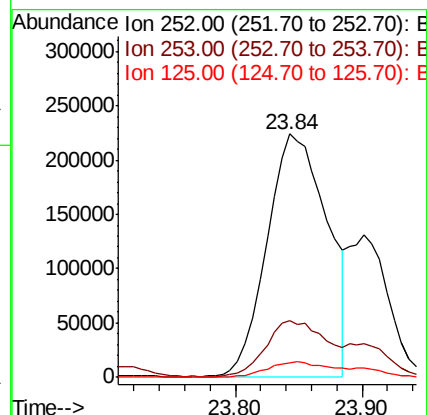
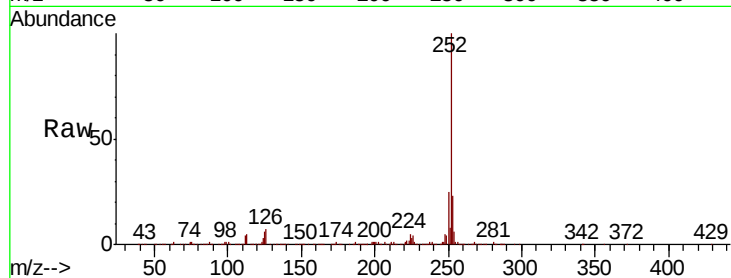
Tot Ion:252 Resp: 736583

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 5.9 4.5 6.7



#89

Benzo(k)fluoranthene

Concen: 34.373 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.06 min

Lab File: BG043509.D

Acq: 5 Nov 2019 15:54

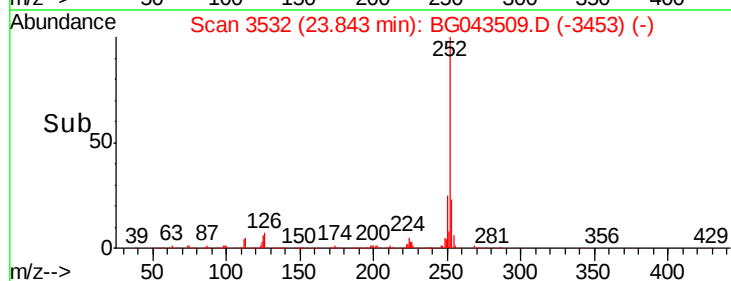
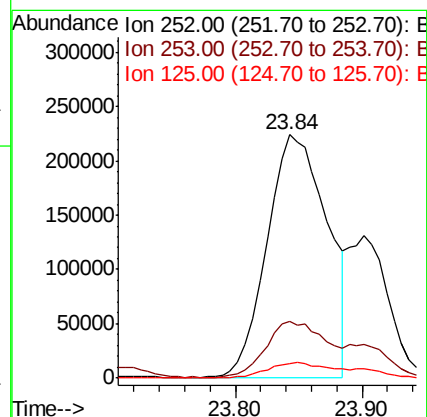
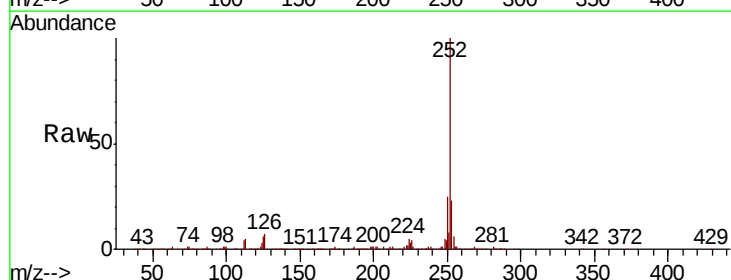
Tgt Ion:252 Resp: 736583

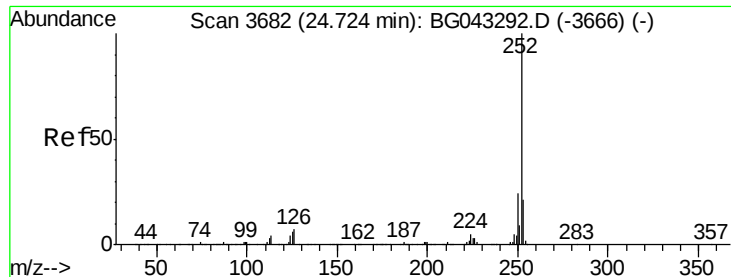
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 5.9 4.6 6.8

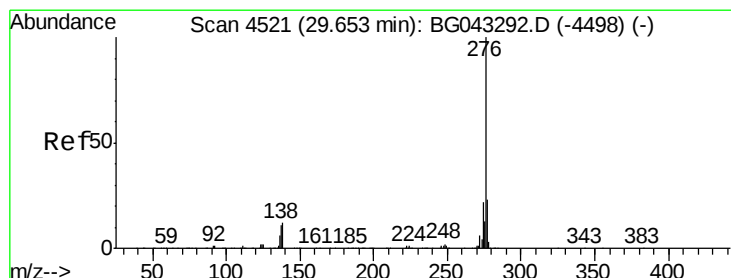
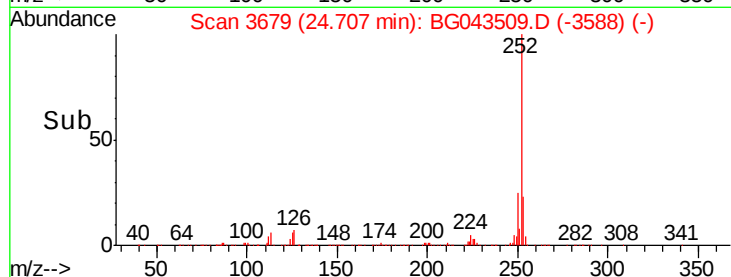
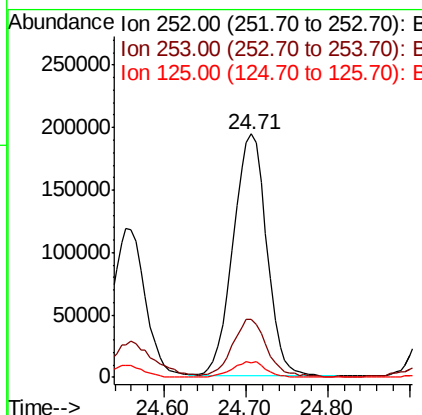
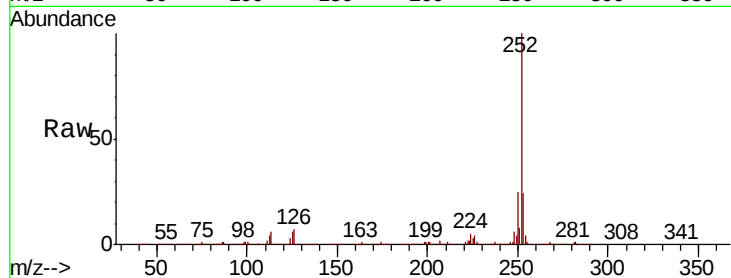




#90
Benzo(a)pyrene
Concen: 27.245 ng
RT: 24.71 min Scan# 3679
Delta R.T. 0.01 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	5.8	5.4	8.2



#92
Benzo(g,h,i)perylene
Concen: 14.319 ng
RT: 29.62 min Scan# 4516
Delta R.T. -0.00 min
Lab File: BG043509.D
Acq: 5 Nov 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	11.1	8.9	13.3

