

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
 Data File : BG043513.D
 Acq On : 5 Nov 2019 18:28
 Operator : JU
 Sample : K5602-04RX
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 06 00:47:12 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

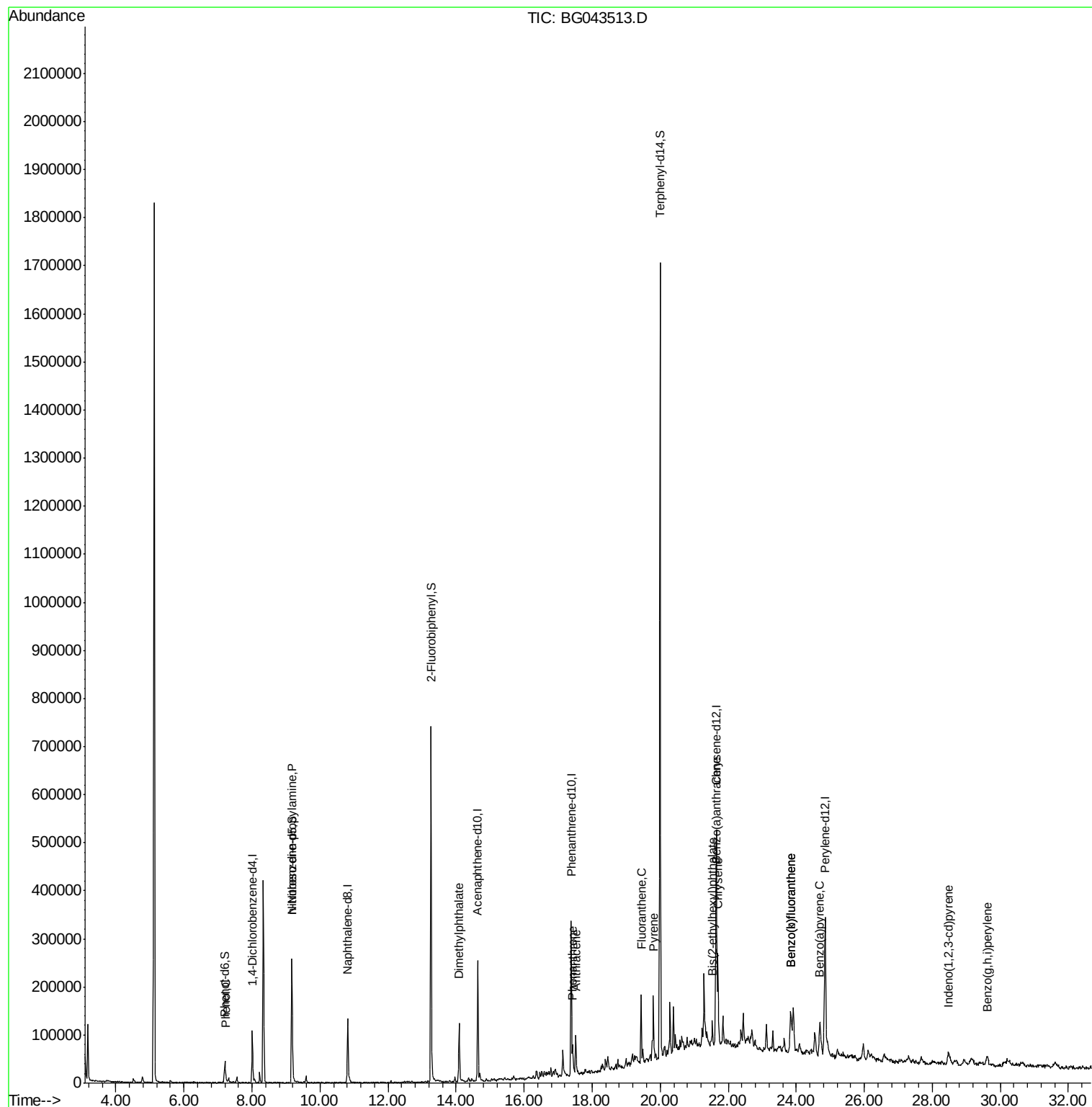
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	34373	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	132394	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	94902	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	229201	20.00	ng	0.00
76) Chrysene-d12	21.65	240	253028	20.00	ng	0.00
87) Perylene-d12	24.85	264	300603	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	2369	1.26	ng	0.01
7) Phenol-d6	7.20	99	32849	12.17	ng	0.00
23) Nitrobenzene-d5	9.17	82	184000	71.65	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	1309	0.72	ng	0.01
45) 2-Fluorobiphenyl	13.26	172	456424	66.46	ng	0.00
79) Terphenyl-d14	20.00	244	879890	65.24	ng	0.00
Target Compounds						
10) Phenol	7.23	94	7236	2.934	ng	89
19) n-Nitroso-di-n-propylamine	9.18	70	24000	13.762	ng	# 78
50) Dimethylphthalate	14.09	163	96375	13.111	ng	98
71) Phenanthrene	17.42	178	38161	3.251	ng	96
72) Anthracene	17.52	178	64184	5.466	ng	97
75) Fluoranthene	19.44	202	93998	6.143	ng	99
78) Pyrene	19.80	202	96788	6.180	ng	94
81) Benzo(a)anthracene	21.63	228	136418	8.607	ng	98
83) Chrysene	21.70	228	142933	9.076	ng	97
84) Bis(2-ethylhexyl)phthalate	21.54	149	18118	2.149	ng	94
86) Indeno(1,2,3-cd)pyrene	28.48	276	44969	2.275	ng	# 79
88) Benzo(b)fluoranthene	23.83	252	115453	6.781	ng	98
89) Benzo(k)fluoranthene	23.83	252	115453	6.736	ng	97
90) Benzo(a)pyrene	24.70	252	84475	5.196	ng	98
92) Benzo(a,h,i)perylene	29.62	276	43762	2.668	ng	# 90

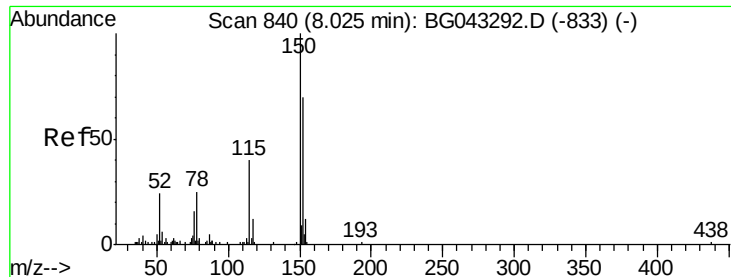
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110519\
Data File : BG043513.D
Acq On : 5 Nov 2019 18:28
Operator : JU
Sample : K5602-04RX
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 06 00:47:12 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



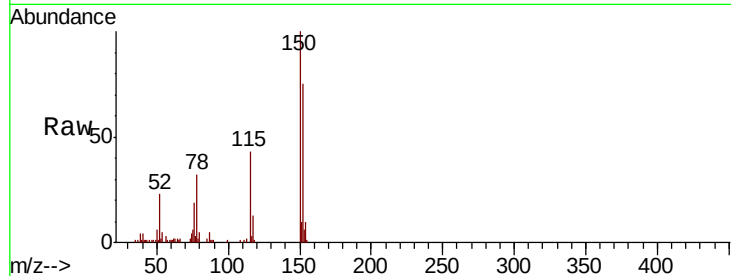


#1

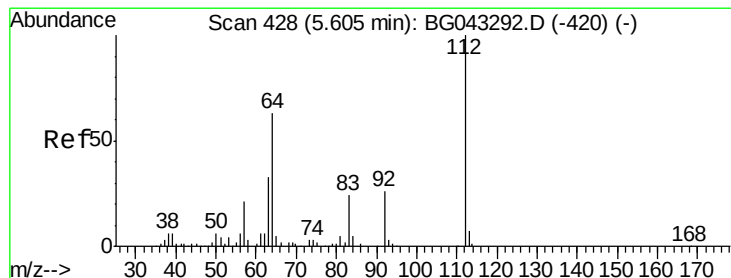
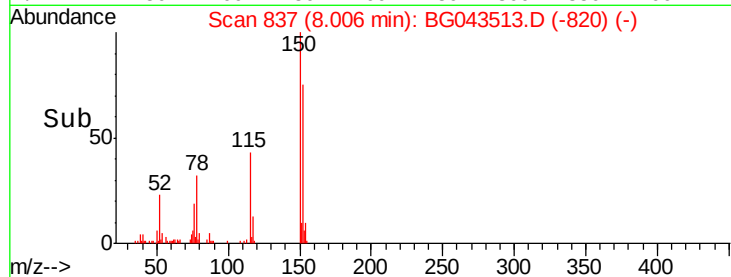
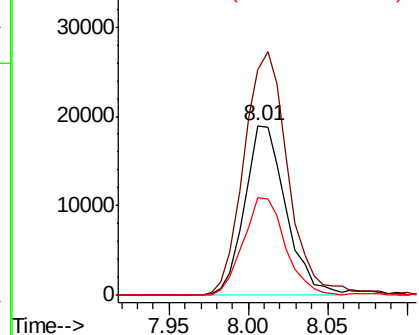
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34373
Ion Ratio Lower Upper
152 100
150 132.9 129.4 194.0
115 57.2 48.8 73.2



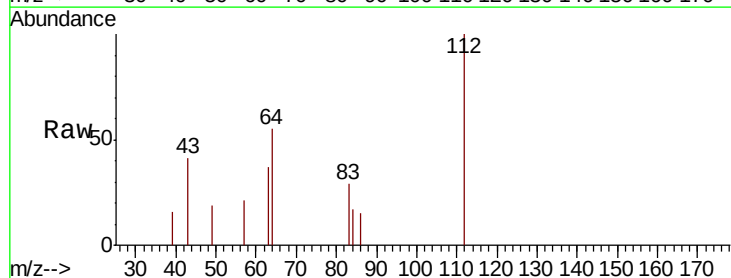
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



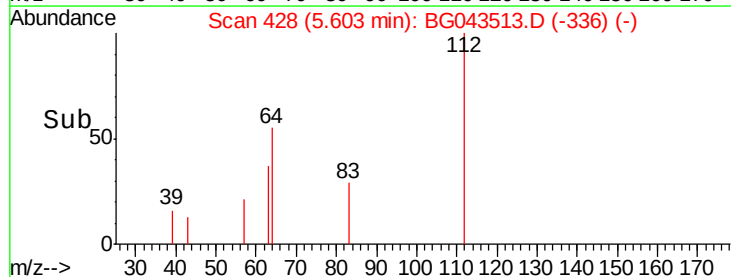
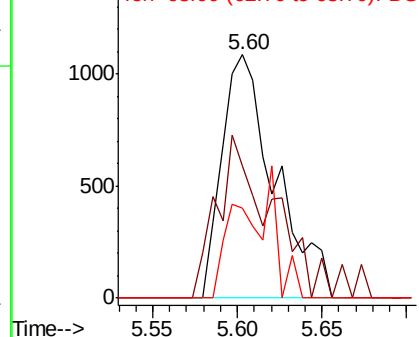
#5

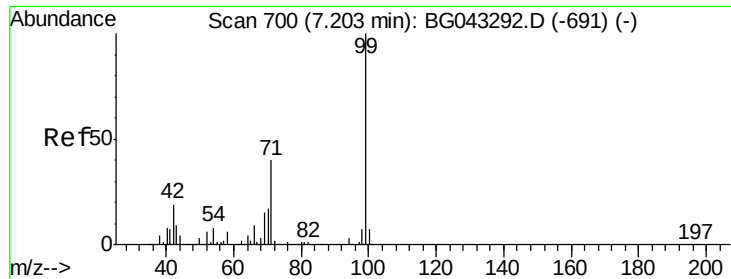
2-Fluorophenol
Concen: 1.263 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Tgt Ion:112 Resp: 2369
Ion Ratio Lower Upper
112 100
64 54.5 50.0 75.0
63 37.1 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 12.172 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

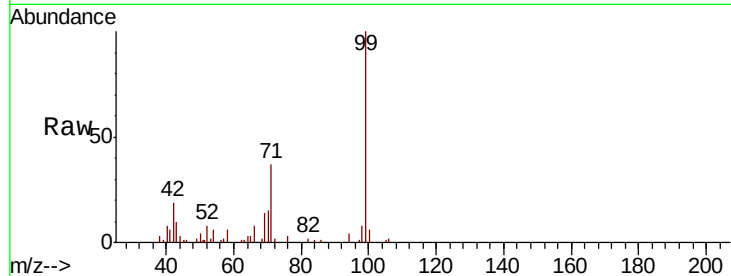
Tot Ion: 99 Resp: 32849

Ion Ratio Lower Upper

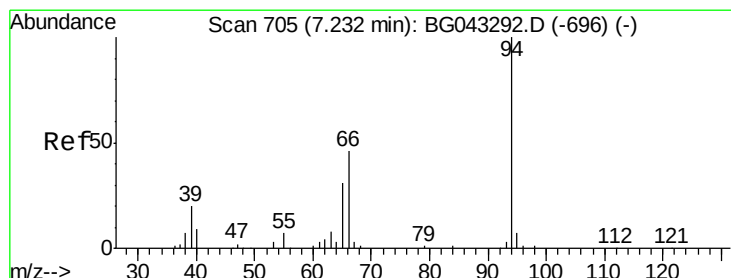
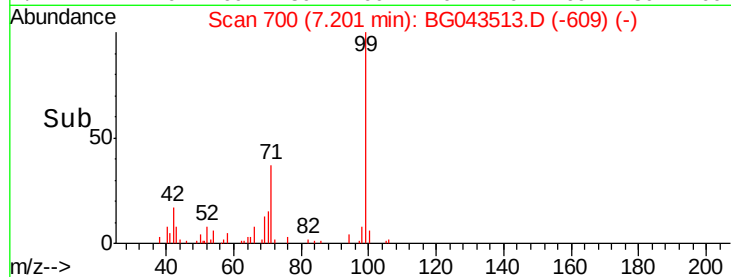
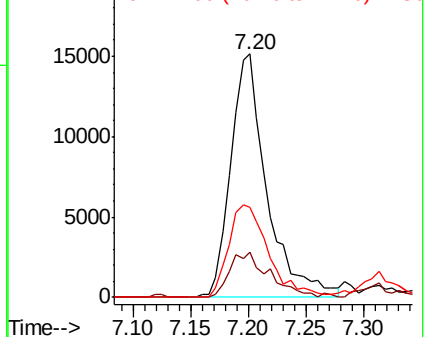
99 100

42 18.5 14.6 21.8

71 37.2 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: 2.934 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

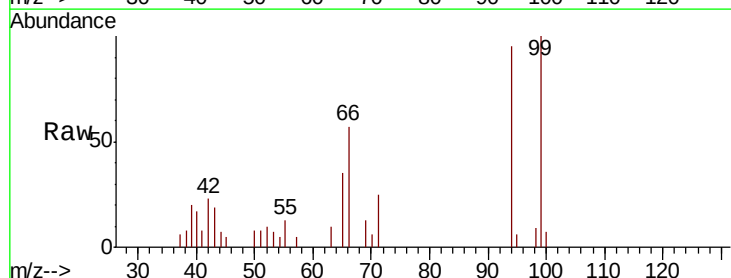
Tgt Ion: 94 Resp: 7236

Ion Ratio Lower Upper

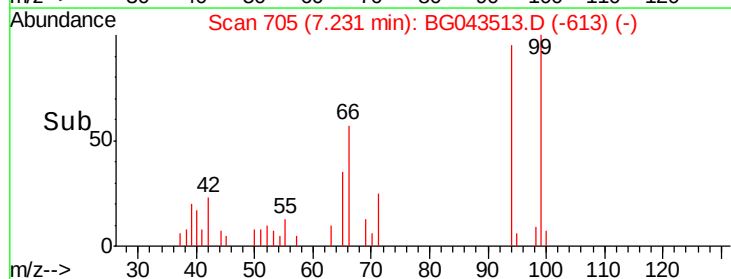
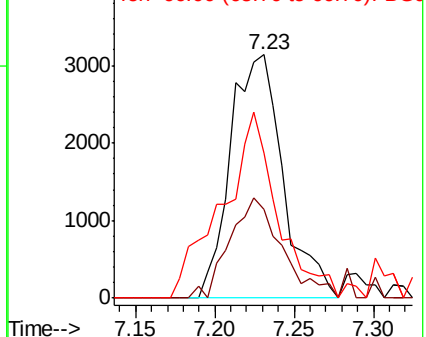
94 100

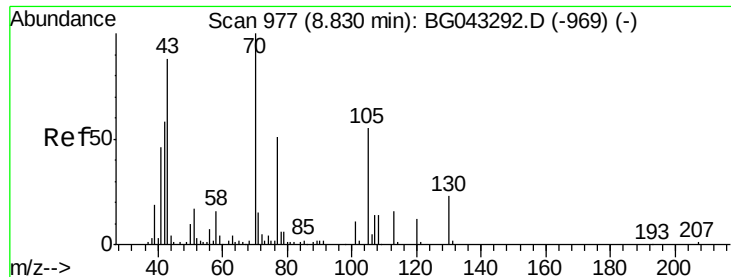
65 36.6 12.6 52.6

66 59.8 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

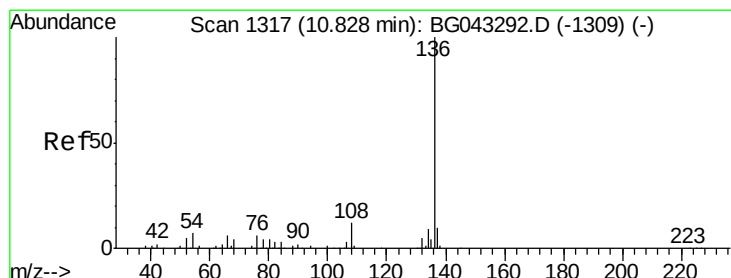
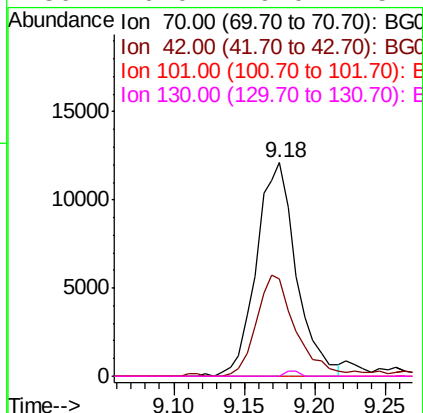
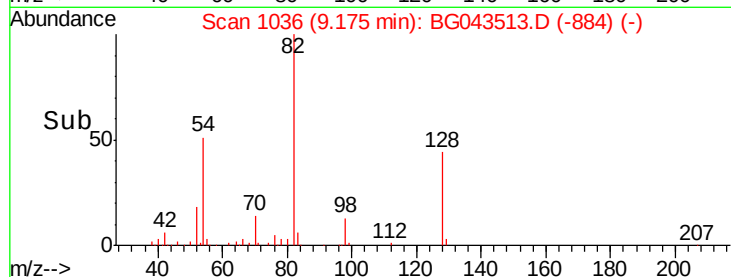
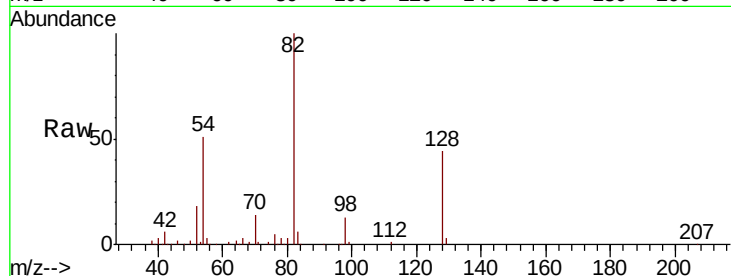




#19
n-Nitroso-di-n-propylamine
Concen: 13.762 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

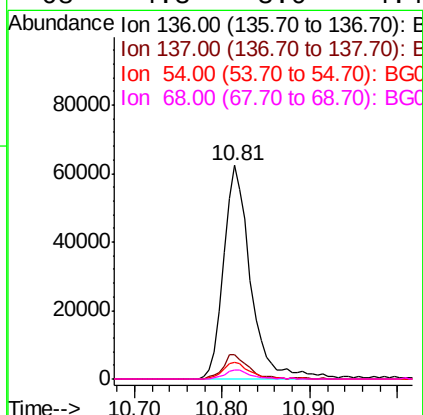
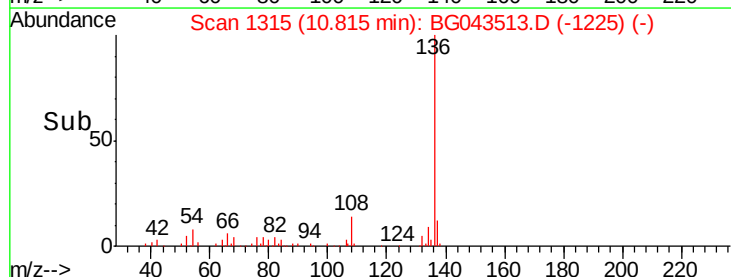
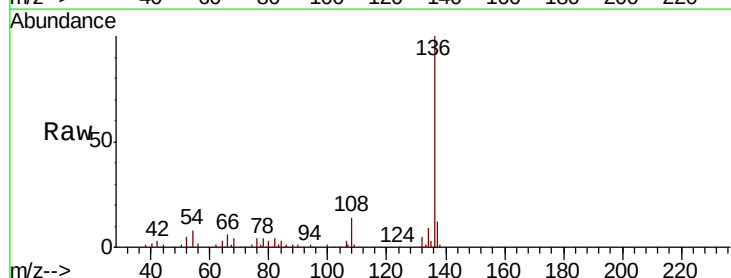
Instrument :
BNA_G
ClientSampleId :

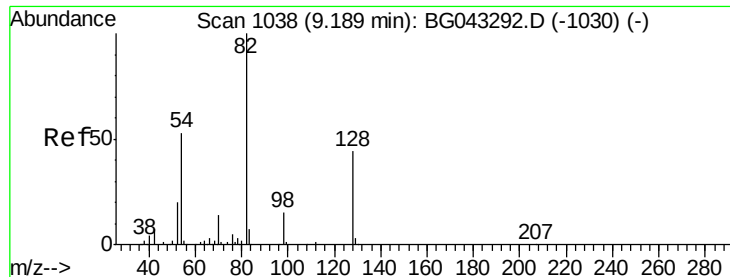
Tot Ion: 70 Resp: 24000
Ion Ratio Lower Upper
70 100
42 45.5 41.4 62.2
101 0.0 7.9 11.9#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Tgt Ion: 136 Resp: 132394
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 7.5 5.4 8.2
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 71.650 ng

RT: 9.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampled :

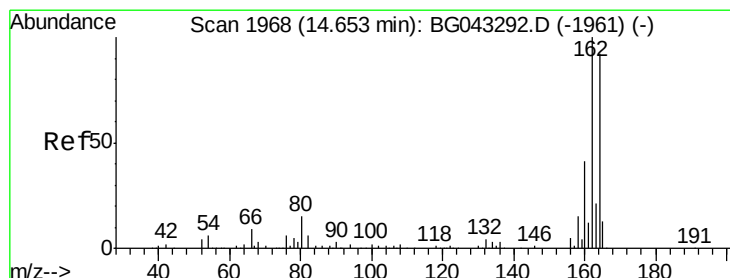
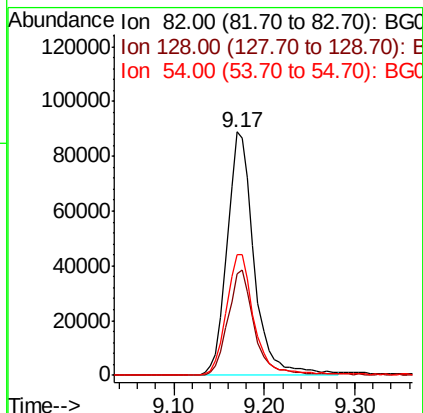
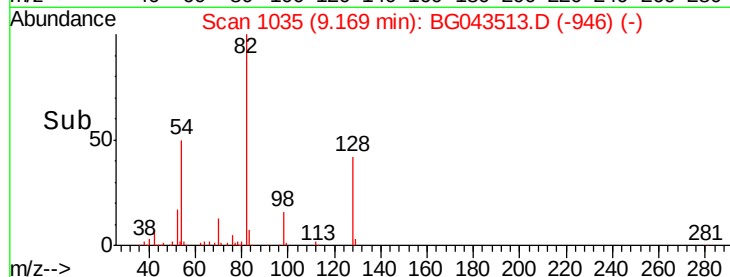
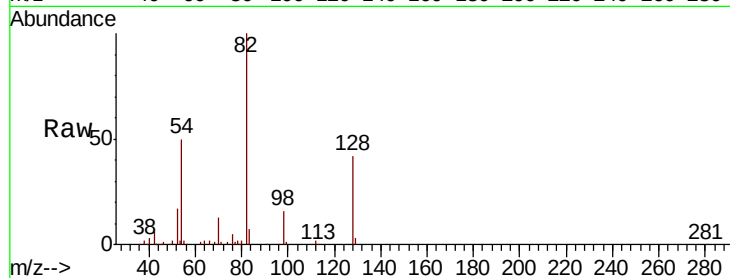
Tot Ion: 82 Resp: 184000

Ion Ratio Lower Upper

82 100

128 41.9 35.0 52.6

54 49.6 40.2 60.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

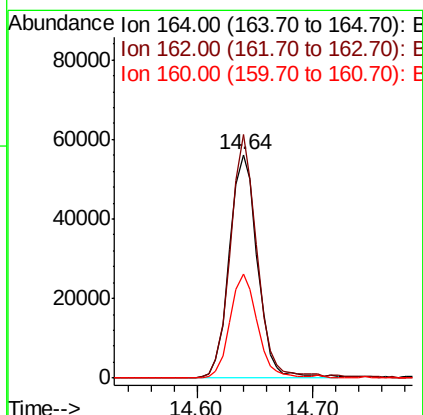
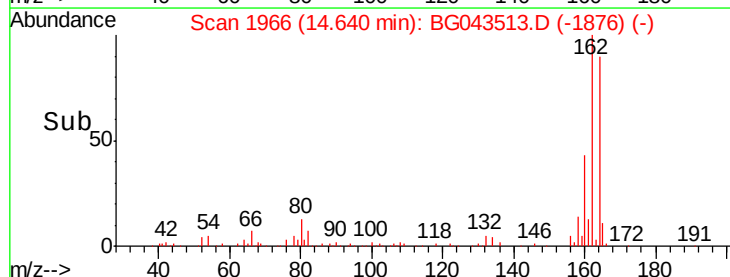
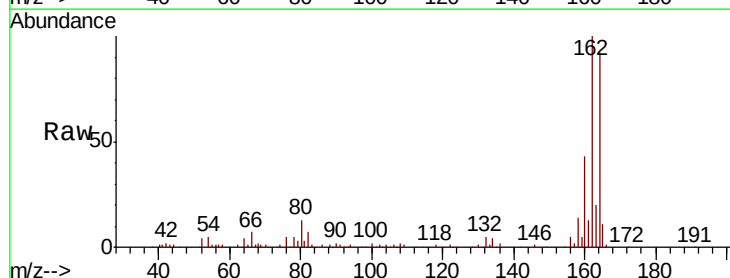
Tgt Ion: 164 Resp: 94902

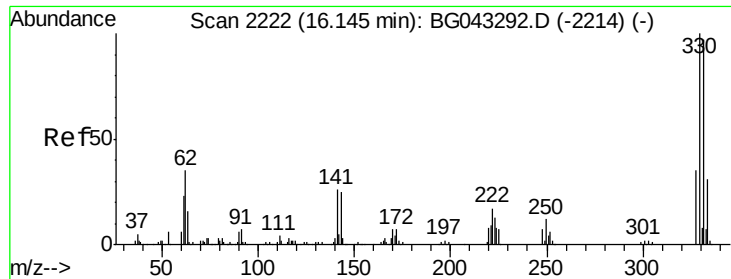
Ion Ratio Lower Upper

164 100

162 108.8 83.5 125.3

160 46.6 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 0.725 ng

RT: 16.14 min Scan# 2222

Delta R.T. 0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

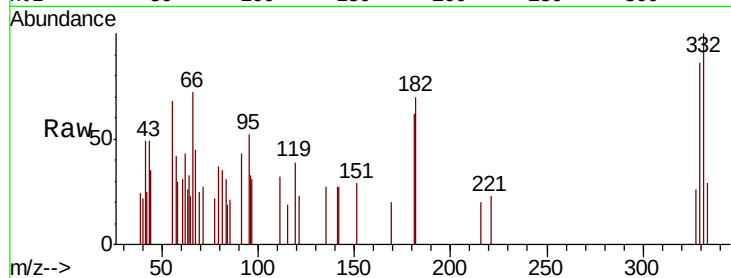
Tot Ion:330 Resp: 1309

Ion Ratio Lower Upper

330 100

332 90.1 77.4 116.0

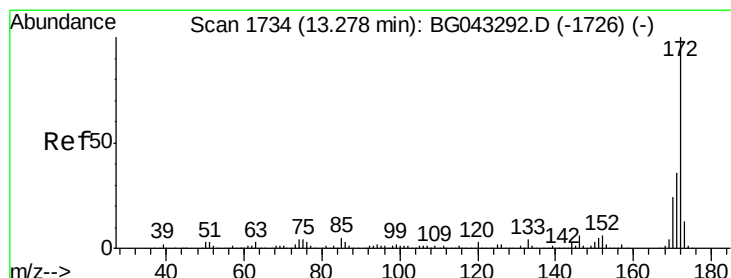
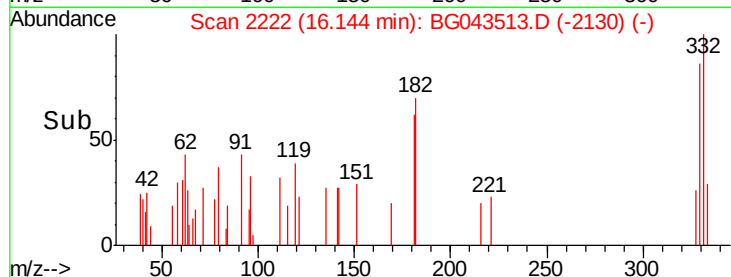
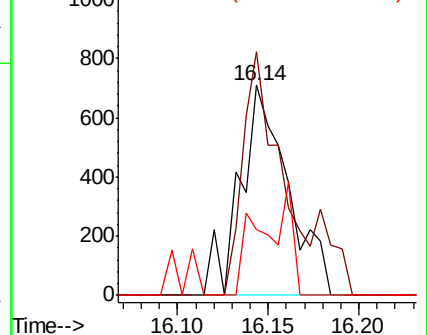
141 33.8 22.8 34.2



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: 66.457 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

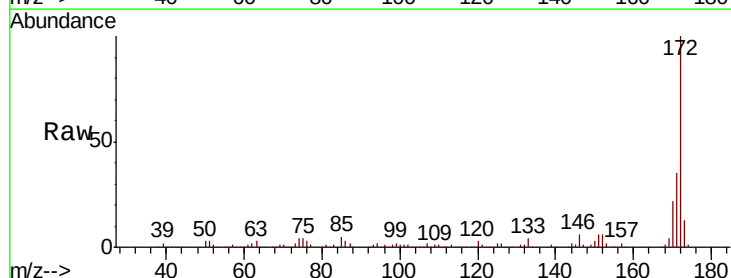
Tgt Ion:172 Resp: 456424

Ion Ratio Lower Upper

172 100

171 35.1 28.9 43.3

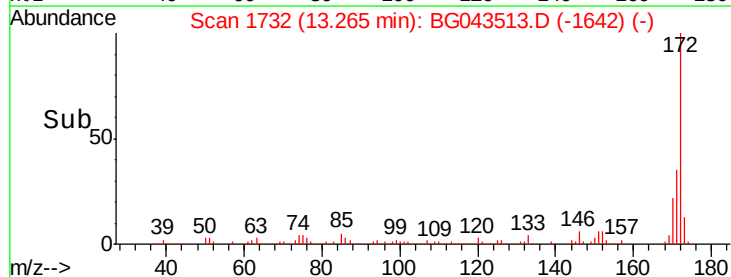
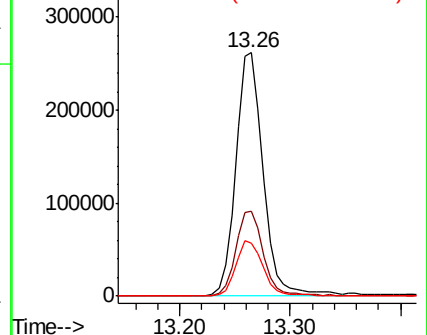
170 21.9 18.5 27.7

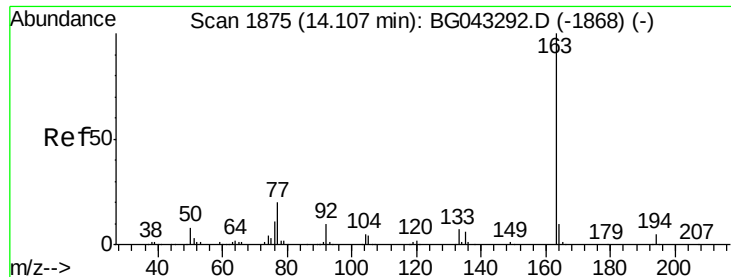


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.111 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043513.D

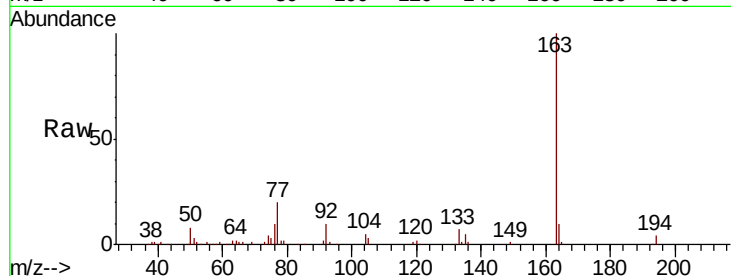
Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

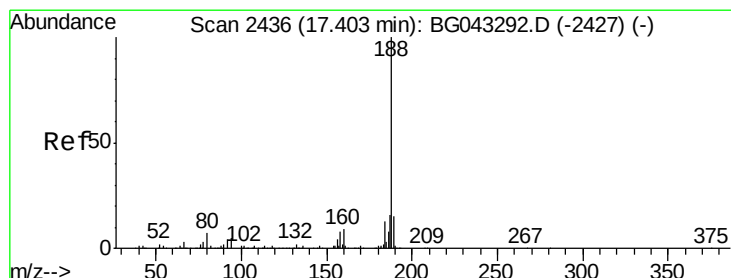
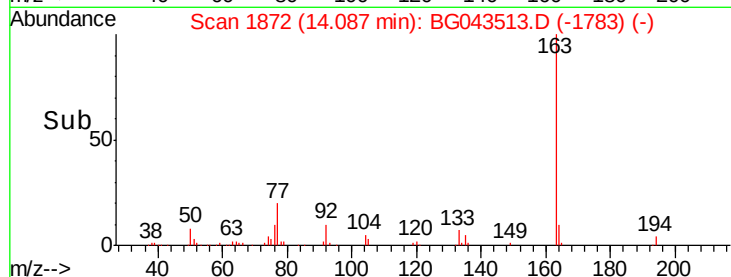
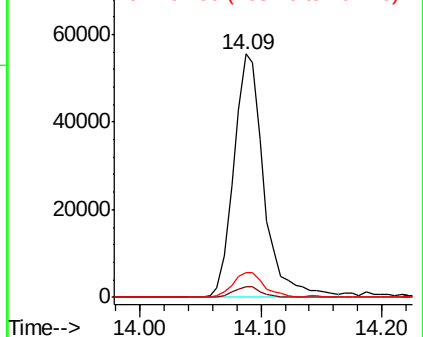
Tot Ion:163	Resp:	96375
Ion Ratio	Lower	Upper
163	100	
194	4.4	3.8 5.6
164	10.2	8.9 13.3



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



#64

Phenanthrene-d10

Concen: 20.000 ng

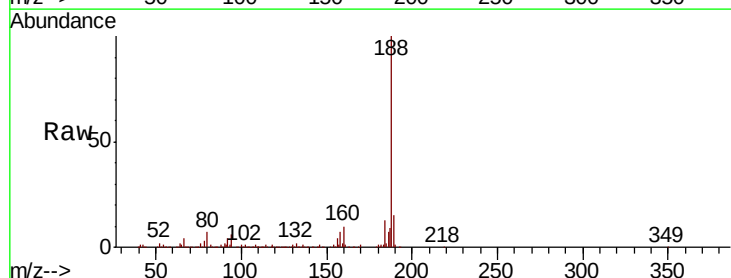
RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

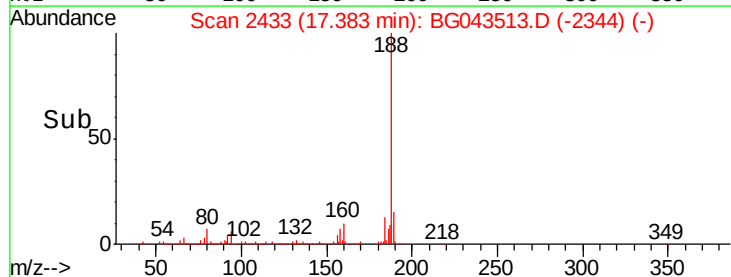
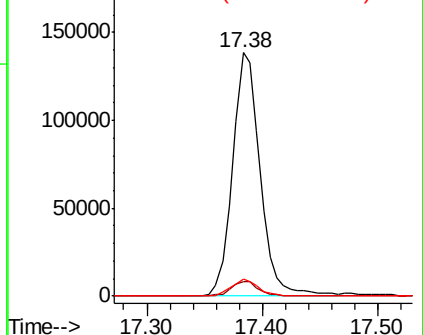
Tgt Ion:188	Resp:	229201
Ion Ratio	Lower	Upper
188	100	
94	5.9	4.2 6.4
80	7.2	4.5 6.7#

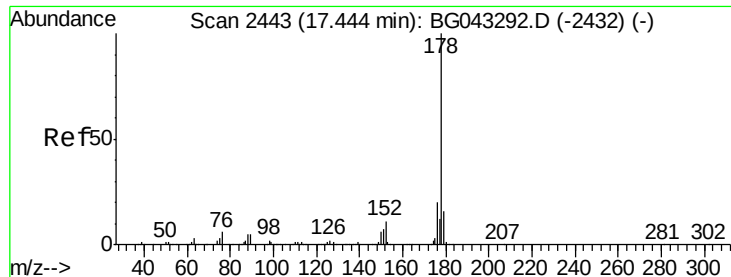


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

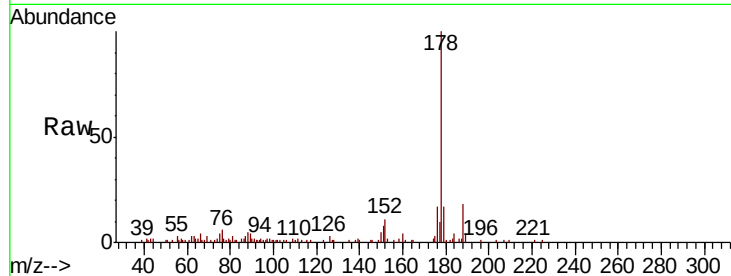




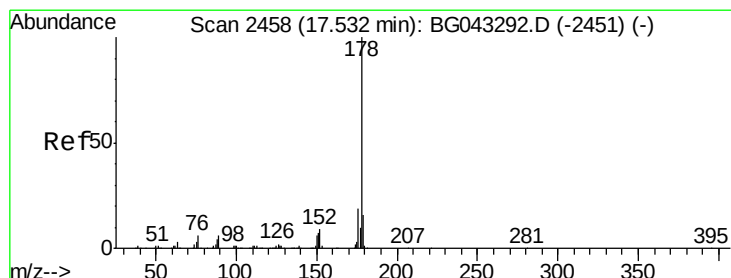
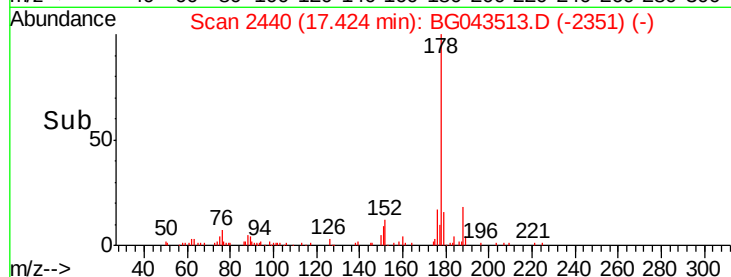
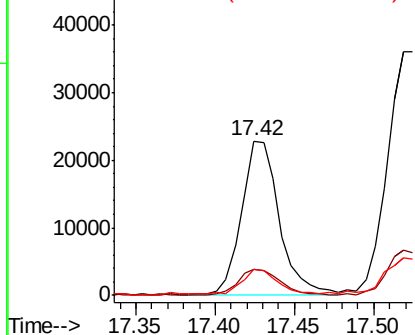
#71
Phenanthrene
Concen: 3.251 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Instrument :
BNA_G
ClientSampled :

Tot Ion:178 Resp: 38161
Ion Ratio Lower Upper
178 100
176 16.8 15.4 23.0
179 17.1 13.0 19.6

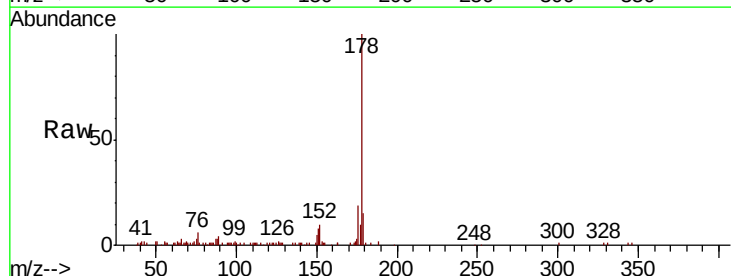


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

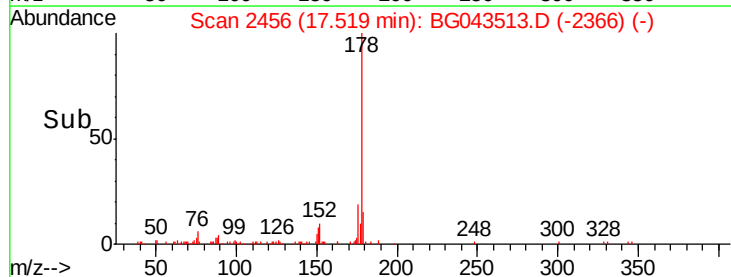
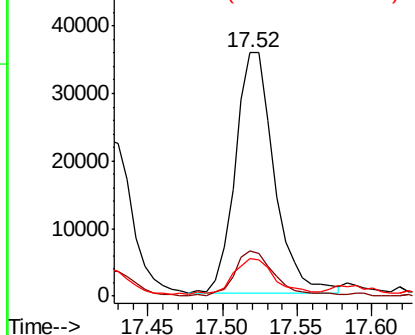


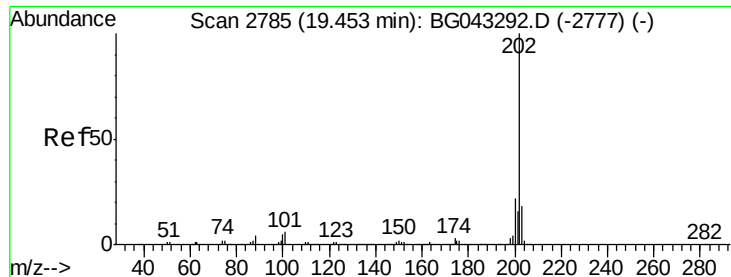
#72
Anthracene
Concen: 5.466 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.00 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Tgt Ion:178 Resp: 64184
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 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: 6.143 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

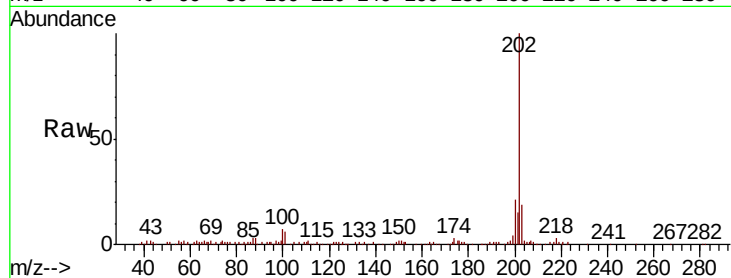
Tot Ion:202 Resp: 93998

Ion Ratio Lower Upper

202 100

101 6.1 0.0 26.3

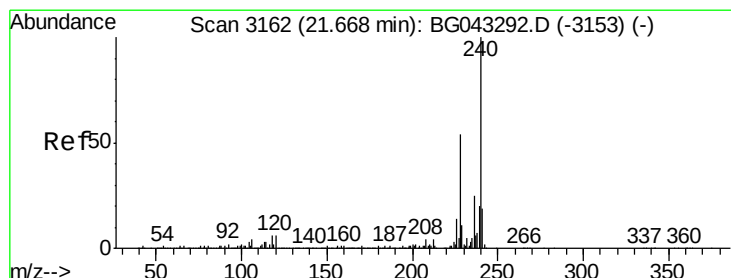
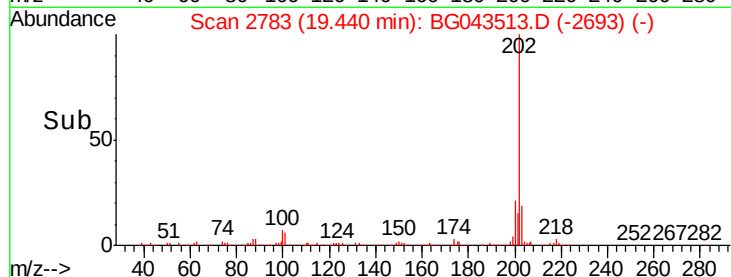
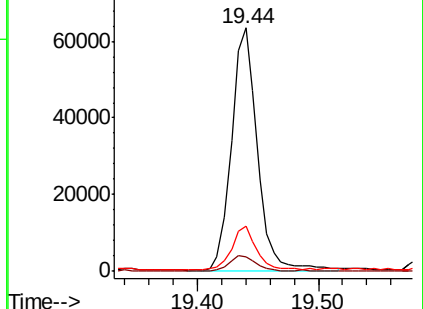
203 18.5 0.0 37.9



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: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

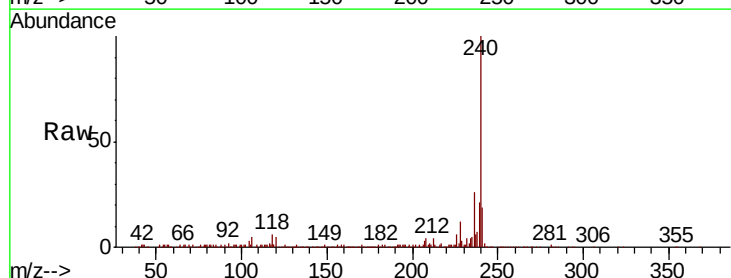
Tgt Ion:240 Resp: 253028

Ion Ratio Lower Upper

240 100

120 4.9 4.6 6.8

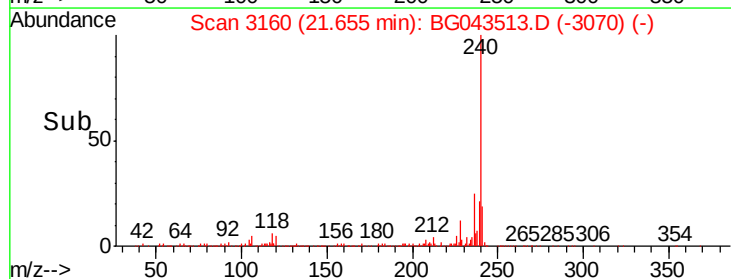
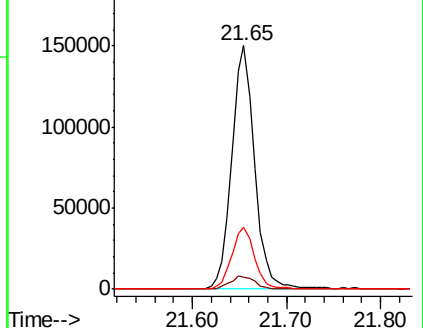
236 25.6 19.8 29.8

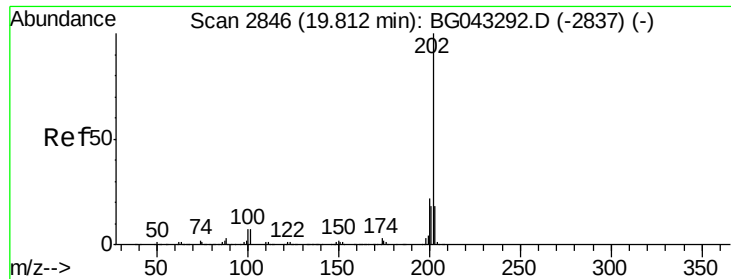


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.180 ng

RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

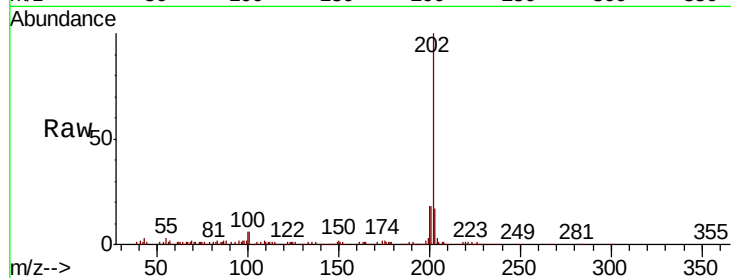
Tot Ion:202 Resp: 96788

Ion Ratio Lower Upper

202 100

200 17.9 17.0 25.4

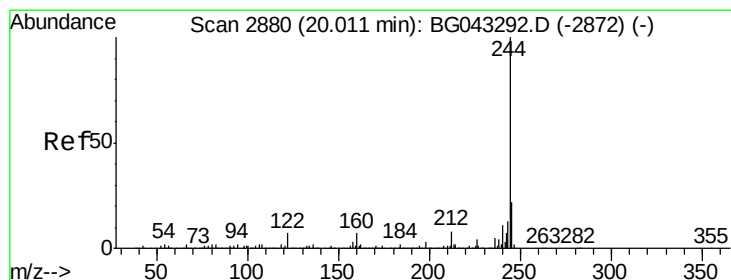
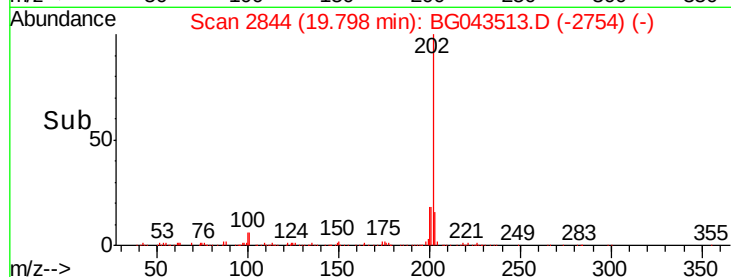
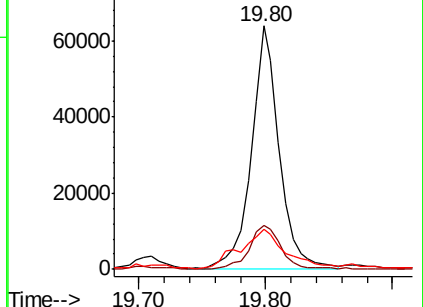
203 16.6 14.7 22.1



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: 65.239 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

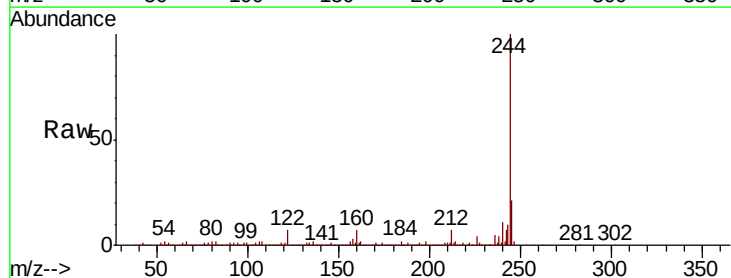
Tgt Ion:244 Resp: 879890

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

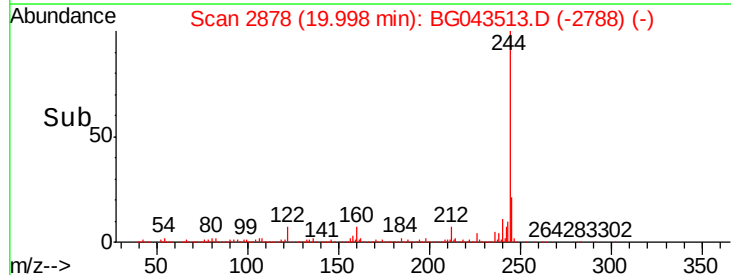
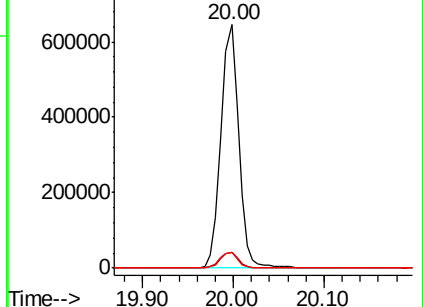
122 6.7 5.4 8.2

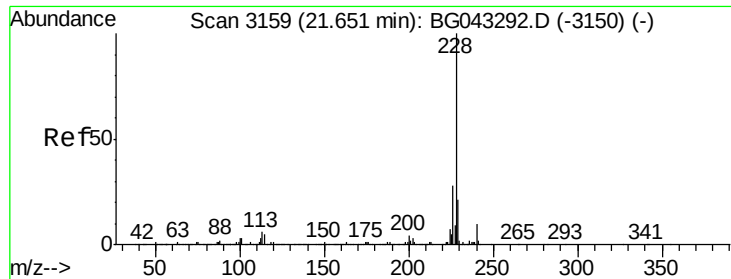


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

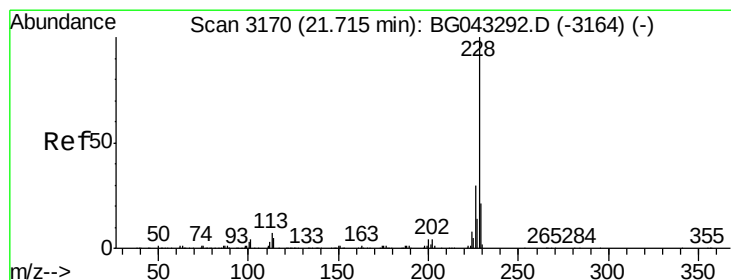
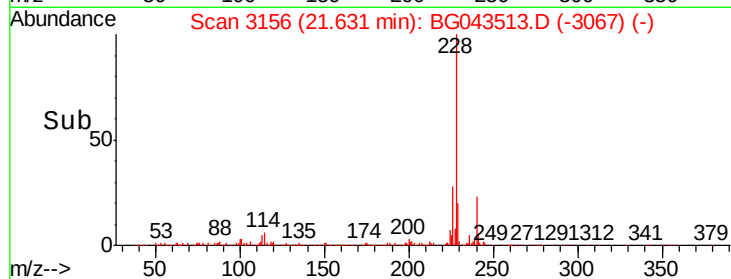
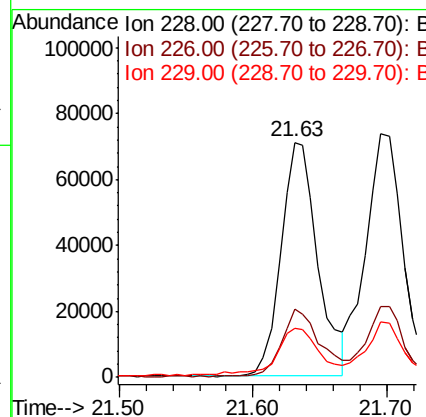
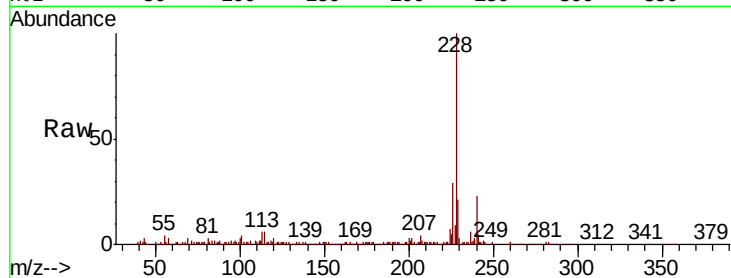




#81
Benzo(a)anthracene
Concen: 8.607 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

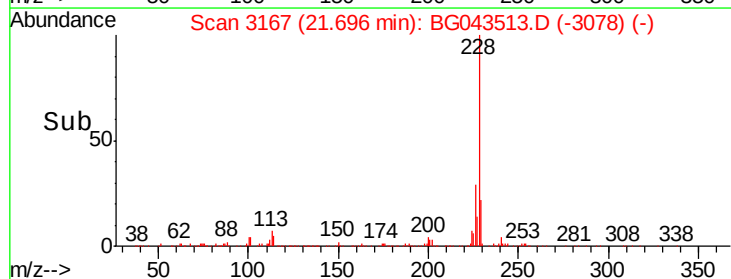
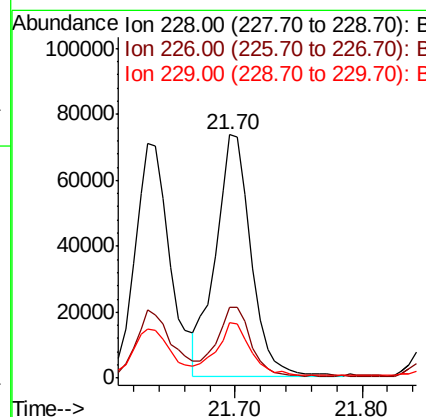
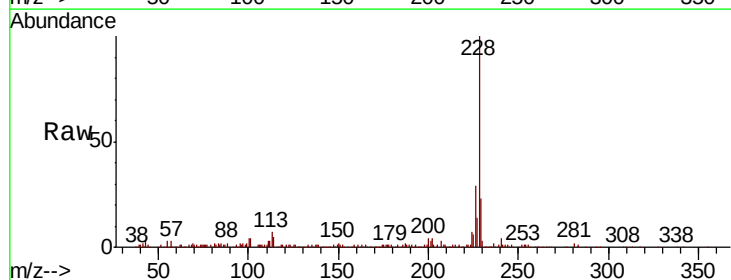
Instrument :
BNA_G
ClientSampleId :

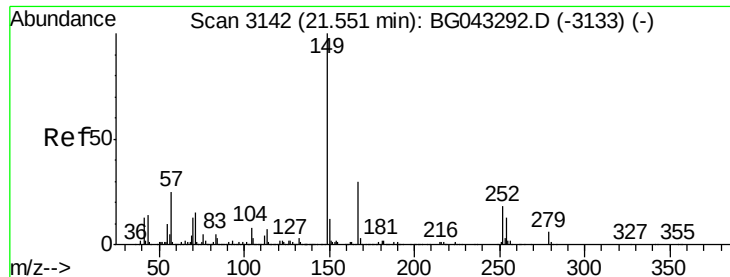
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.2
229	20.6	17.0	25.4



#83
Chrysene
Concen: 9.076 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.1	37.7
229	22.5	17.0	25.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.149 ng

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampleId :

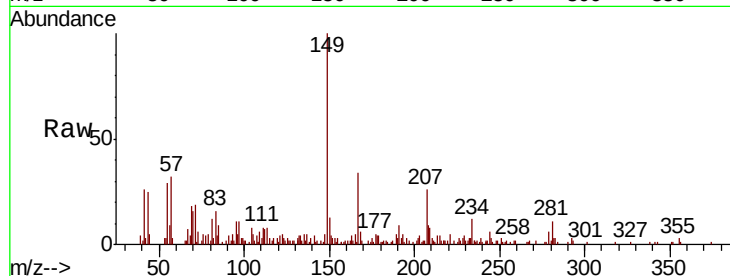
Tot Ion:149 Resp: 18118

Ion Ratio Lower Upper

149 100

167 34.0 24.0 36.0

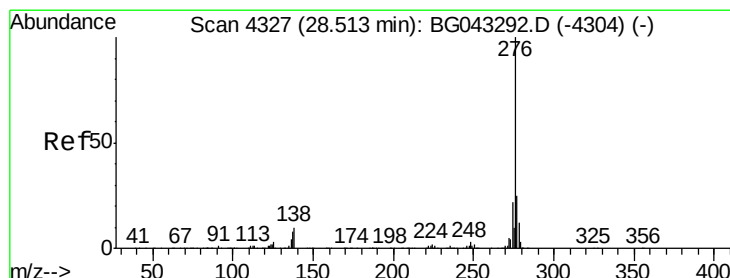
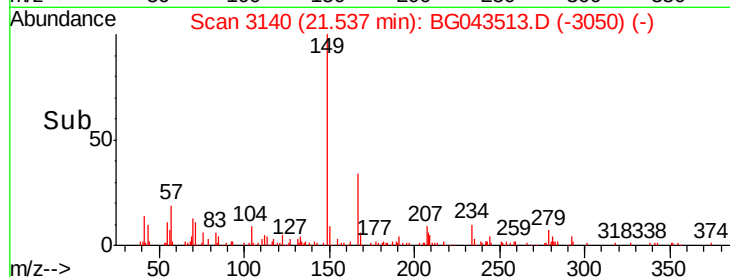
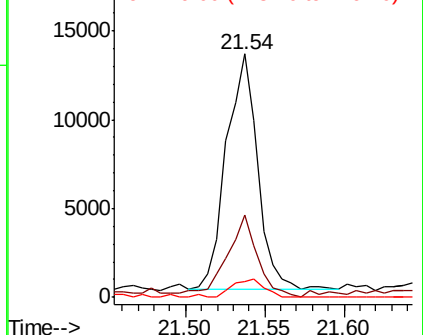
279 6.3 5.4 8.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.275 ng

RT: 28.48 min Scan# 4322

Delta R.T. -0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

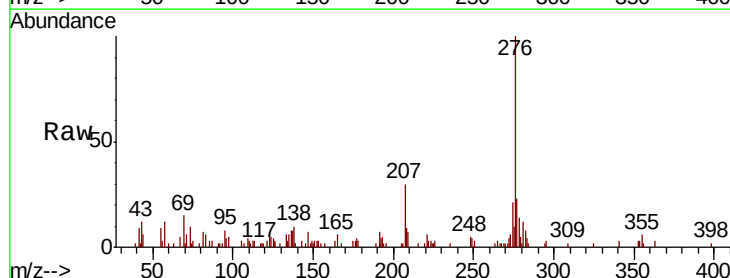
Tgt Ion:276 Resp: 44969

Ion Ratio Lower Upper

276 100

138 8.0 6.8 10.2

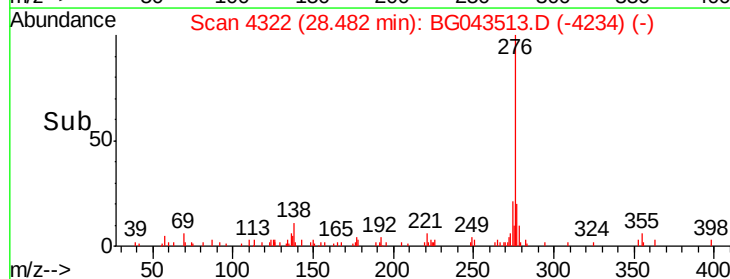
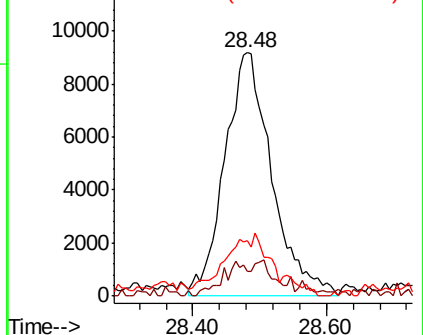
277 12.4 20.9 31.3#

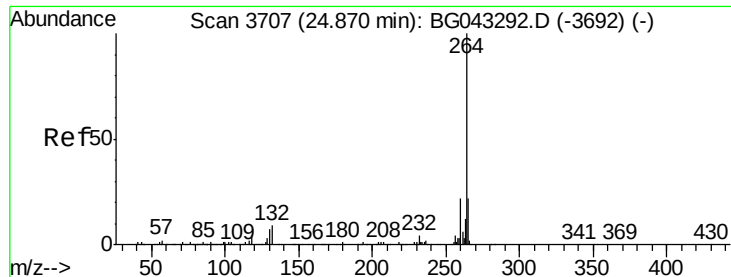


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.85 min Scan# 3704

Delta R.T. -0.00 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

Instrument :

BNA_G

ClientSampled :

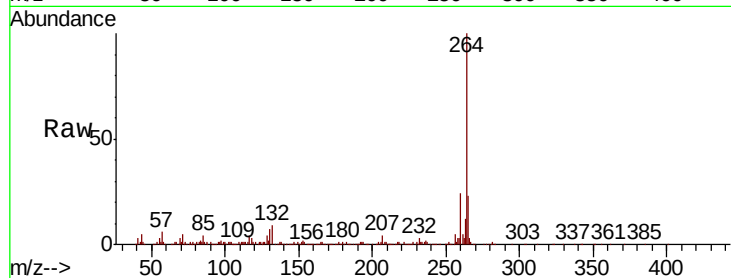
Tot Ion:264 Resp: 300603

Ion Ratio Lower Upper

264 100

260 24.2 17.5 26.3

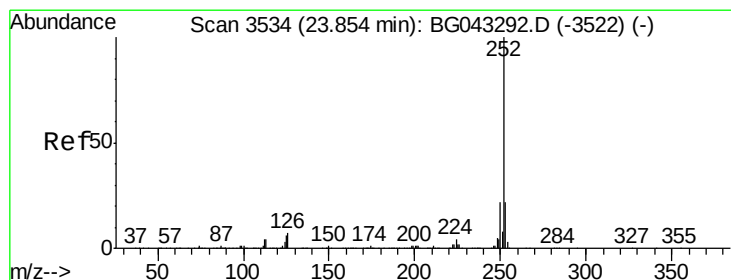
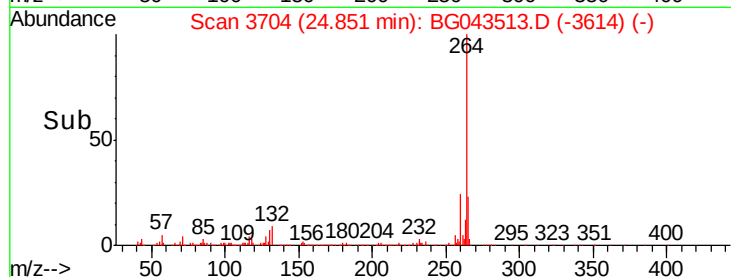
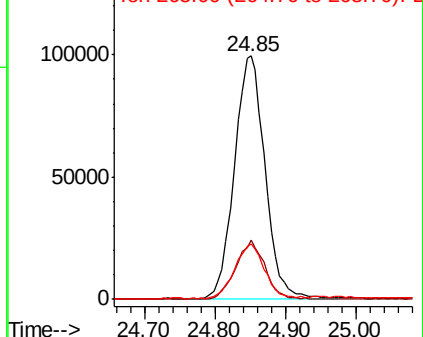
265 23.0 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 6.781 ng

RT: 23.83 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG043513.D

Acq: 5 Nov 2019 18:28

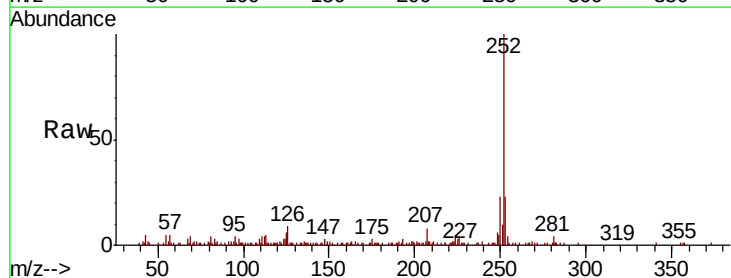
Tgt Ion:252 Resp: 115453

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

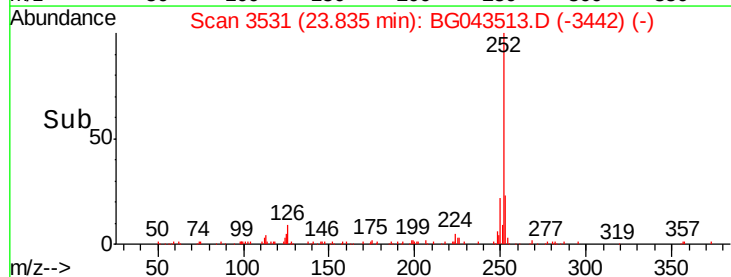
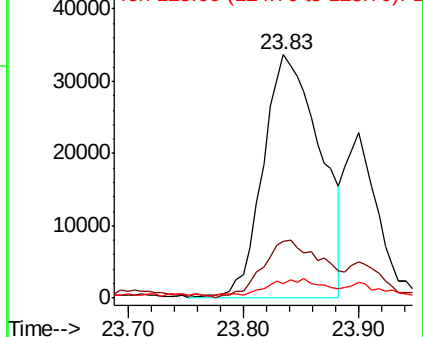
125 6.1 4.5 6.7

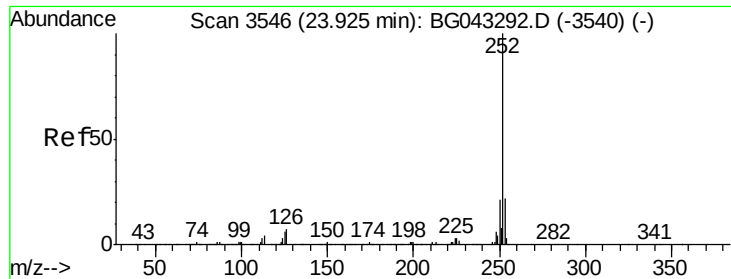


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

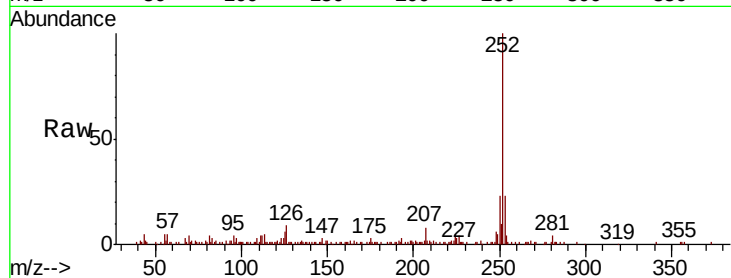




#89
Benzo(k)fluoranthene
Concen: 6.736 ng
RT: 23.83 min Scan# 3531
Delta R.T. -0.07 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.3	25.9
125	6.1	4.6	6.8

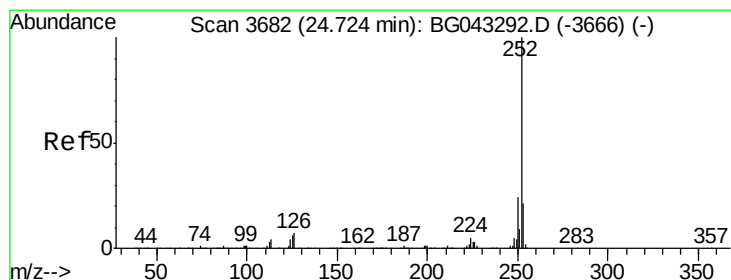
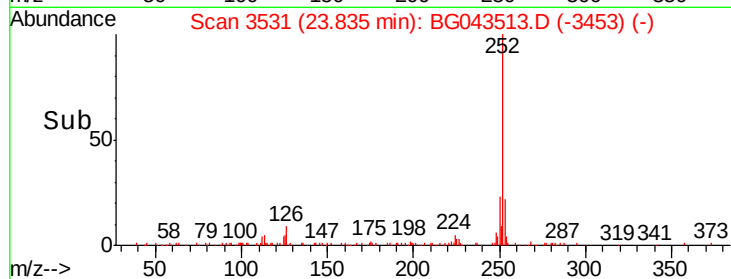
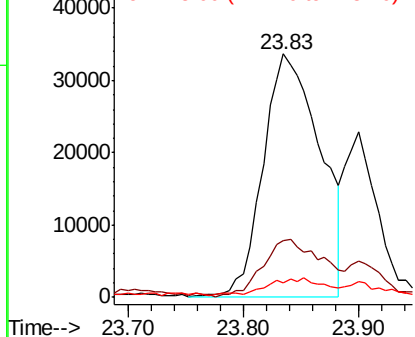


Abundance

Ion 252.00 (251.70 to 252.70): E

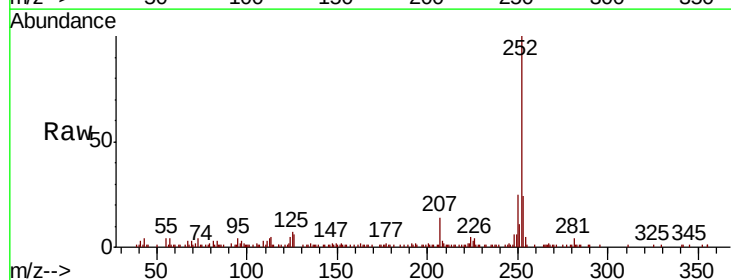
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 5.196 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.00 min
Lab File: BG043513.D
Acq: 5 Nov 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	6.6	5.4	8.2

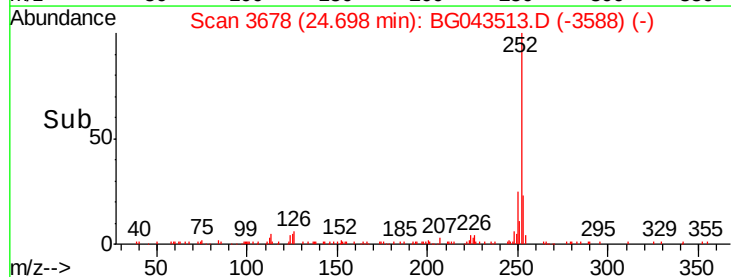
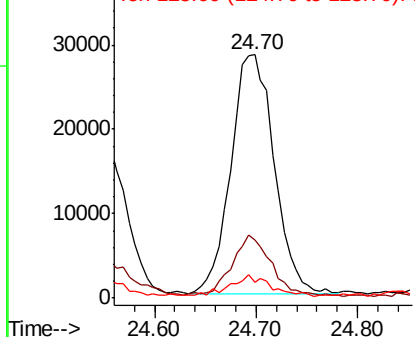


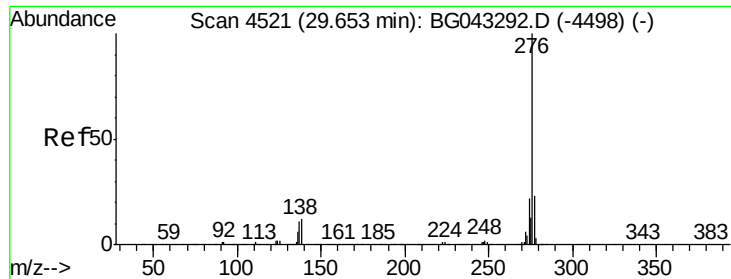
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 2.668 ng
 RT: 29.62 min Scan# 4515
 Delta R.T. -0.01 min
 Lab File: BG043513.D
 Acq: 5 Nov 2019 18:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.9	28.3
138	14.2	8.9	13.3

