

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110419\
 Data File : BG043483.D
 Acq On : 4 Nov 2019 16:33
 Operator : JU
 Sample : K5146-15 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-103019

Quant Time: Nov 04 17:11:40 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

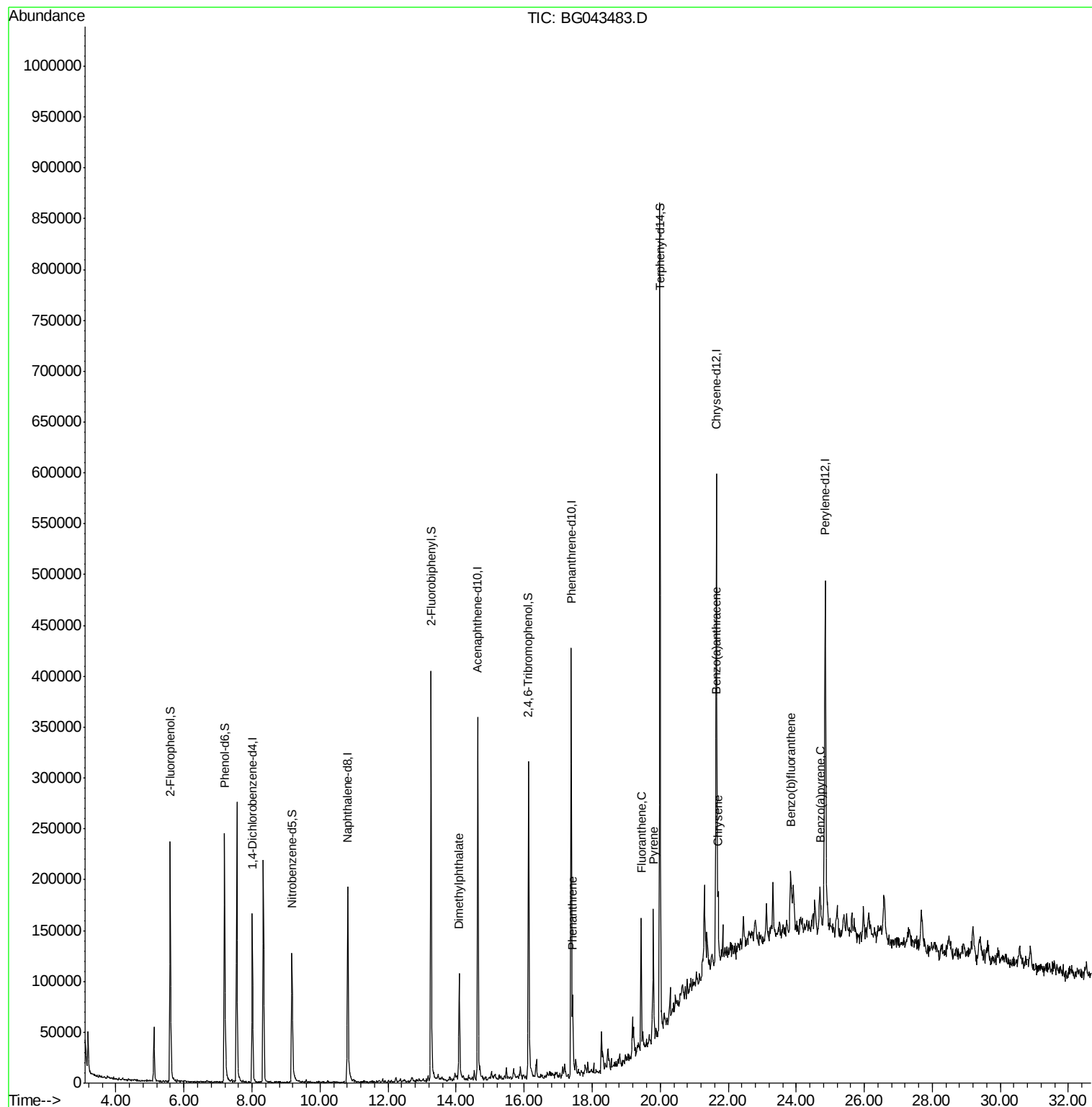
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	52105	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	200414	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	133147	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	295237	20.00	ng	0.00
76) Chrysene-d12	21.65	240	307153	20.00	ng	0.00
87) Perylene-d12	24.85	264	368299	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	120523	42.39	ng	0.00
7) Phenol-d6	7.20	99	169573	41.45	ng	0.00
23) Nitrobenzene-d5	9.18	82	96770	24.89	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	87456	34.52	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	256353	26.60	ng	0.00
79) Terphenyl-d14	19.99	244	447700	27.35	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.09	163	86447	8.382	ng	97
71) Phenanthrene	17.43	178	49014	3.242	ng	99
75) Fluoranthene	19.44	202	98277	4.986	ng	97
78) Pyrene	19.80	202	86578	4.554	ng	98
81) Benzo(a)anthracene	21.63	228	48283	2.510	ng	97
83) Chrysene	21.70	228	46974	2.457	ng	95
88) Benzo(b)fluoranthene	23.83	252	63542	3.046	ng	# 88
90) Benzo(a)pyrene	24.69	252	47521	2.386	ng	# 92

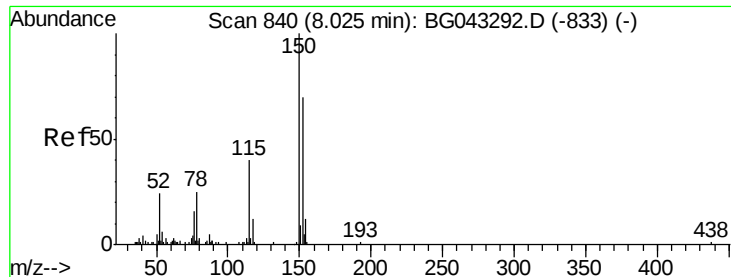
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 838

Delta R.T. 0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampled :

CL-01-103019

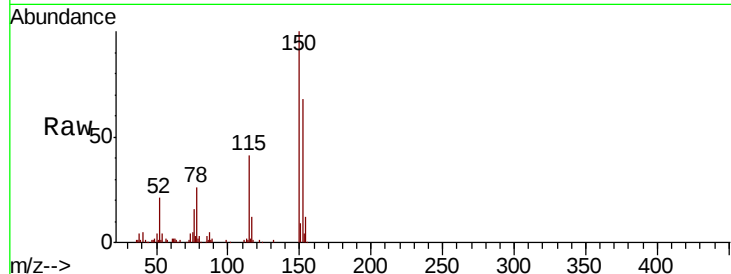
Tot Ion:152 Resp: 52105

Ion Ratio Lower Upper

152 100

150 147.3 129.4 194.0

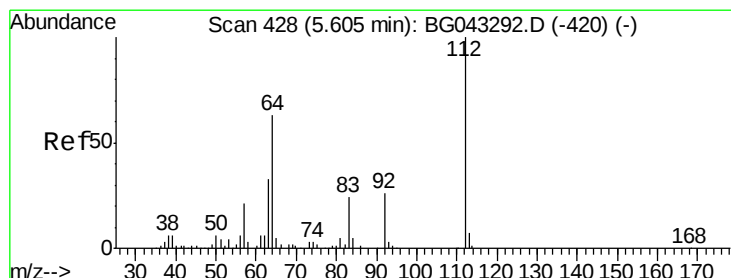
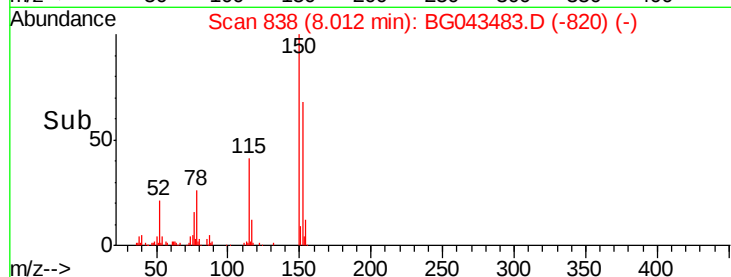
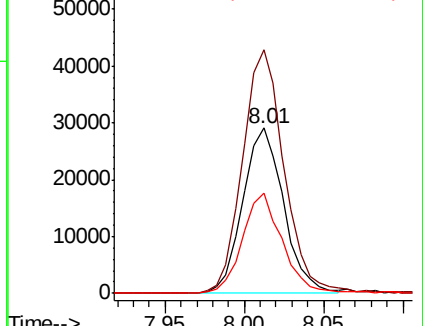
115 60.9 48.8 73.2



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: 42.386 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

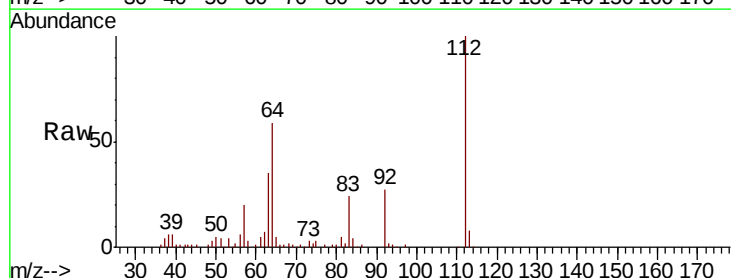
Tgt Ion:112 Resp: 120523

Ion Ratio Lower Upper

112 100

64 58.6 50.0 75.0

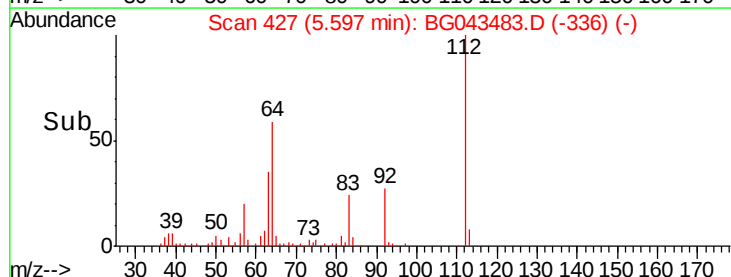
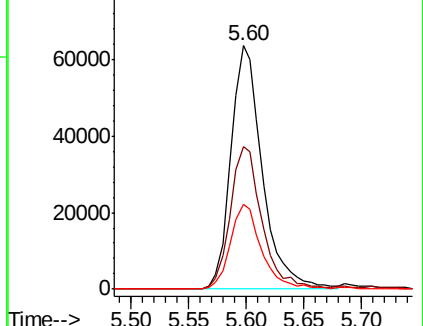
63 35.1 26.6 40.0

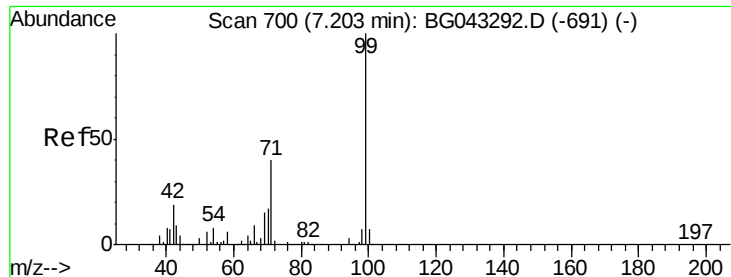


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 41.449 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

CL-01-103019

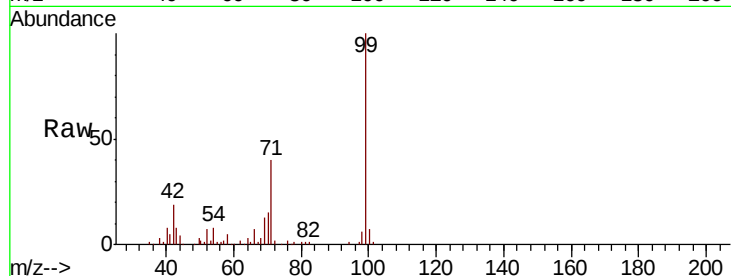
Tot Ion: 99 Resp: 169573

Ion Ratio Lower Upper

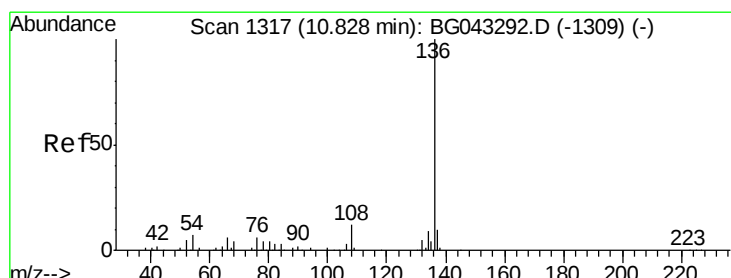
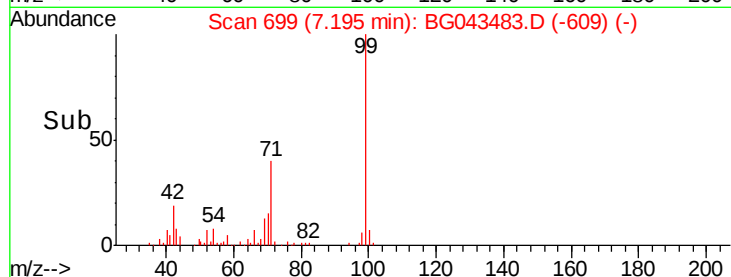
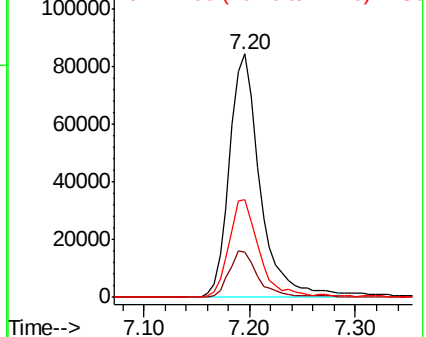
99 100

42 18.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Tgt Ion: 136 Resp: 200414

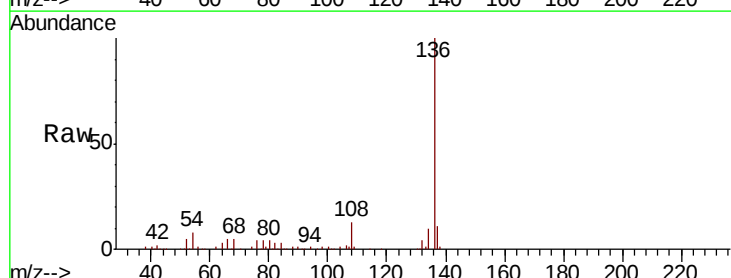
Ion Ratio Lower Upper

136 100

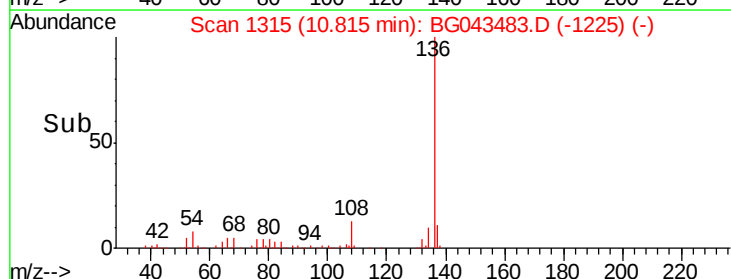
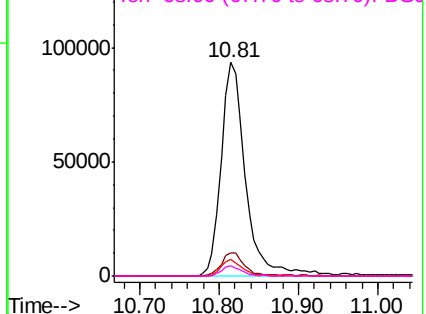
137 11.0 8.7 13.1

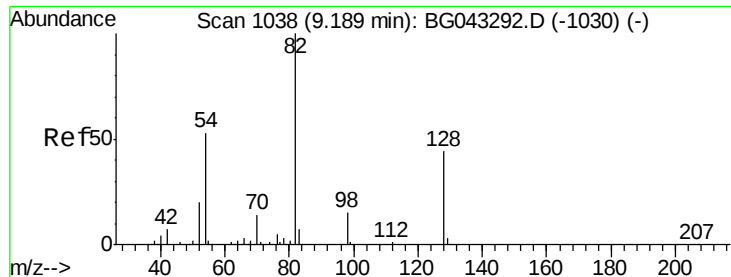
54 7.7 5.4 8.2

68 4.6 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

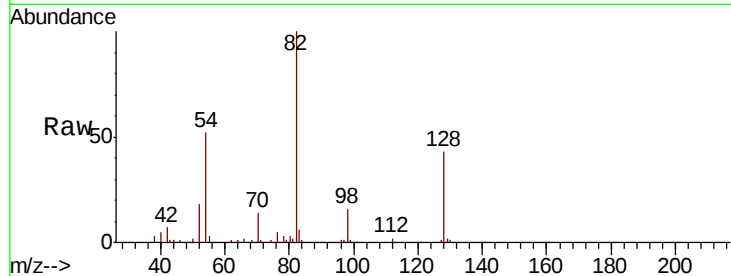




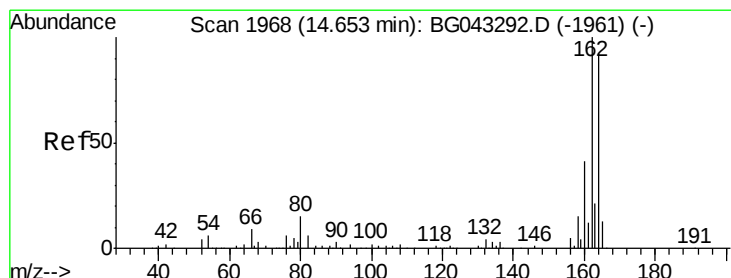
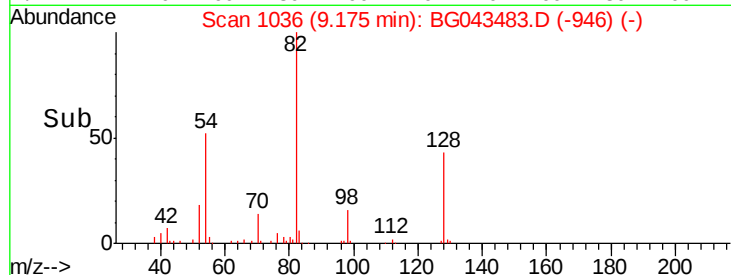
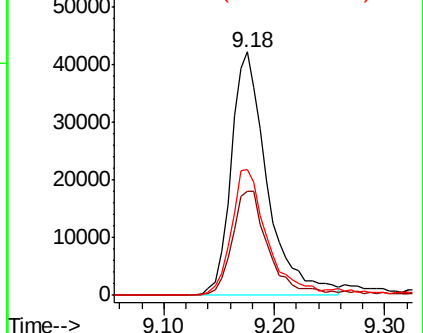
#23
Nitrobenzene-d5
Concen: 24.893 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Instrument :
BNA_G
ClientSampleId :
CL-01-103019

Tot Ion: 82 Resp: 96770
Ion Ratio Lower Upper
82 100
128 42.8 35.0 52.6
54 51.9 40.2 60.2

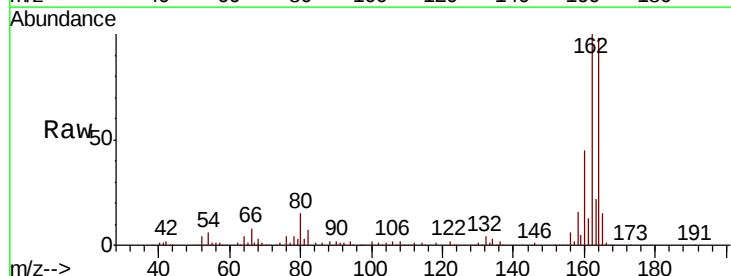


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

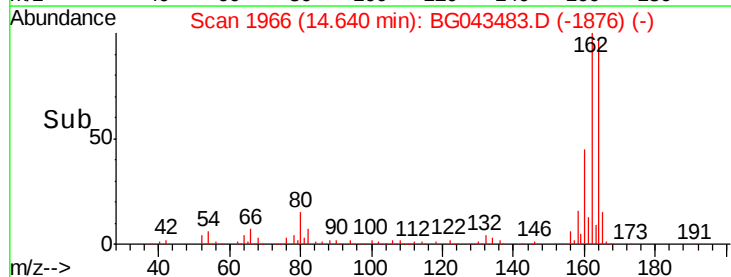
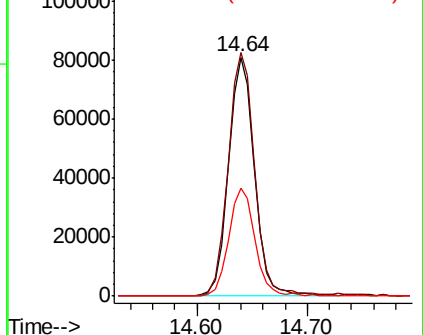


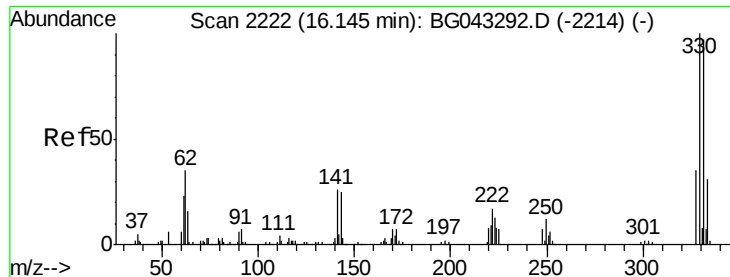
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Tgt Ion:164 Resp: 133147
Ion Ratio Lower Upper
164 100
162 102.0 83.5 125.3
160 45.5 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

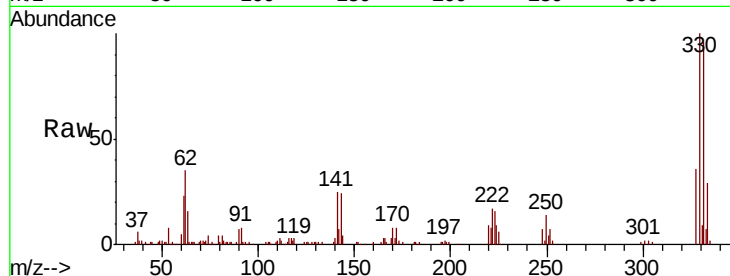




#42
 2,4,6-Tribromophenol
 Concen: 34.516 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043483.D
 Acq: 4 Nov 2019 16:33

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-103019

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	26.8	22.8	34.2

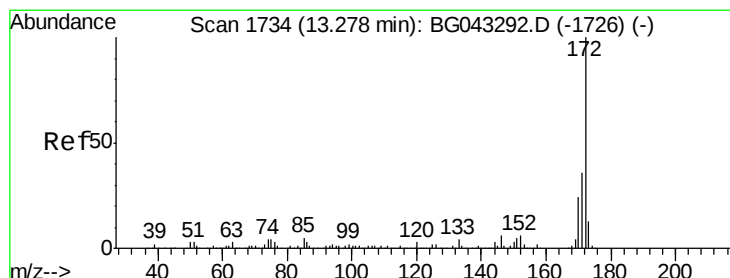
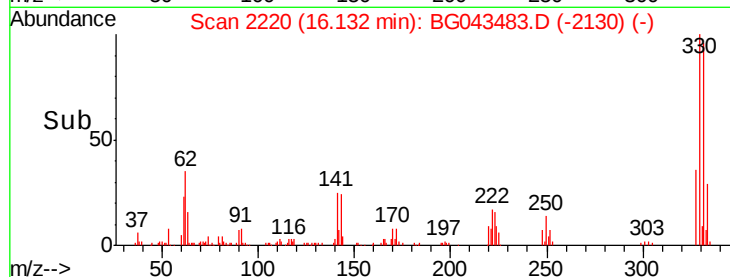
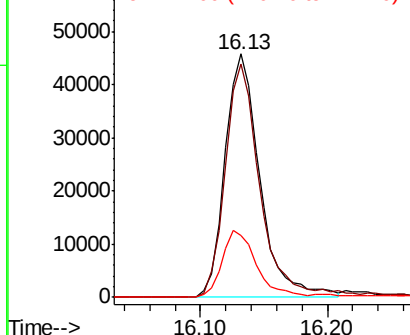


Abundance

Ion 329.80 (329.50 to 330.50): E

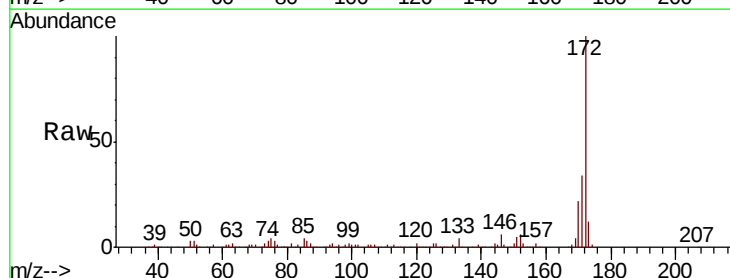
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 26.604 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043483.D
 Acq: 4 Nov 2019 16:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.9	43.3
170	22.3	18.5	27.7

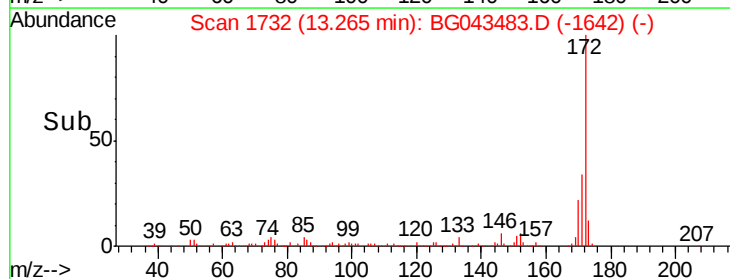
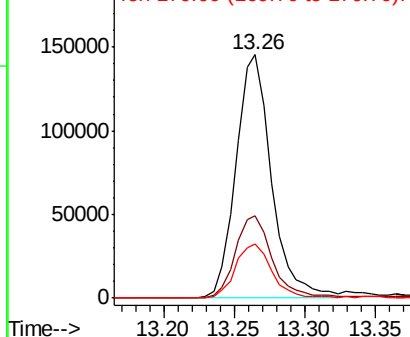


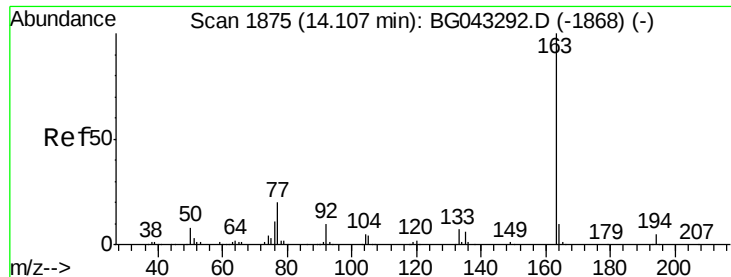
Abundance

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

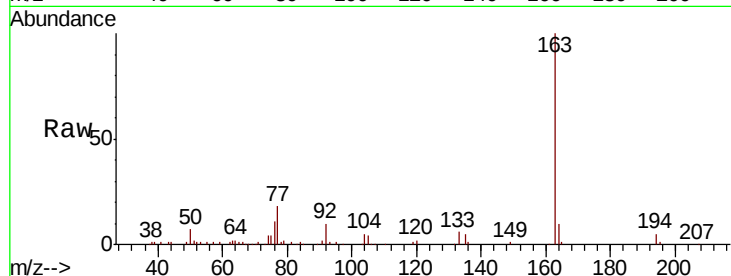




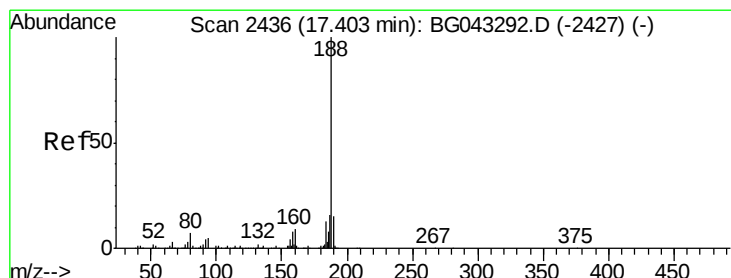
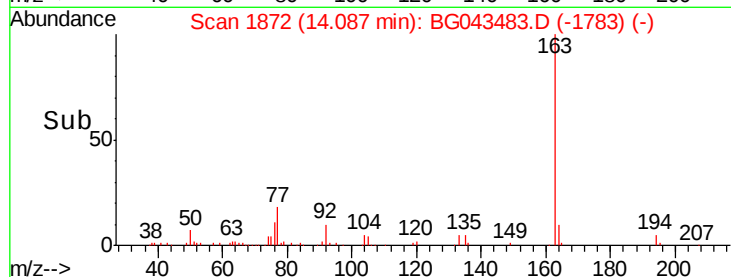
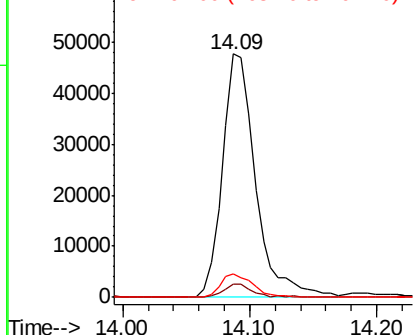
#50
Dimethylphthalate
Concen: 8.382 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Instrument :
BNA_G
ClientSampleId :
CL-01-103019

Tot Ion:163 Resp: 86447
Ion Ratio Lower Upper
163 100
194 5.3 3.8 5.6
164 9.8 8.9 13.3

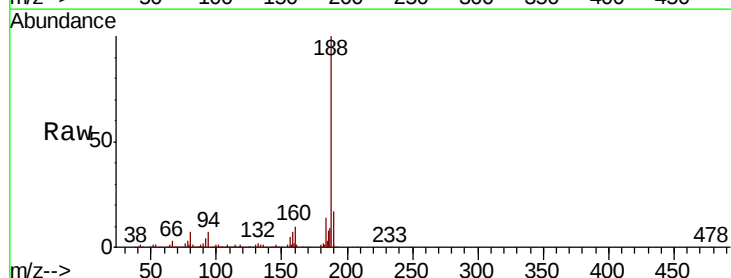


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

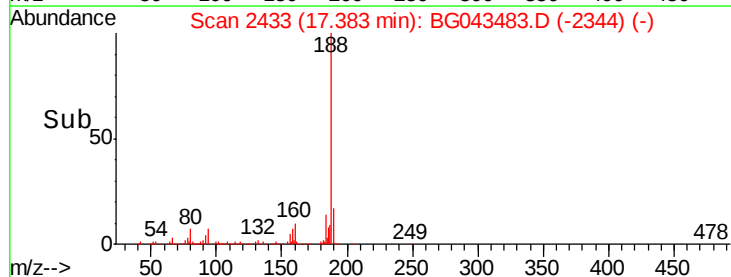
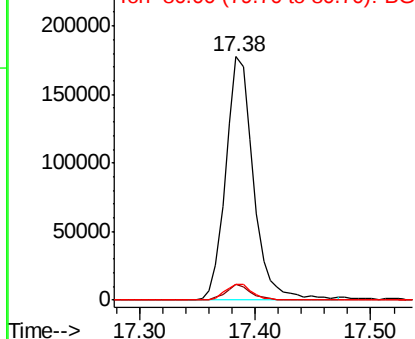


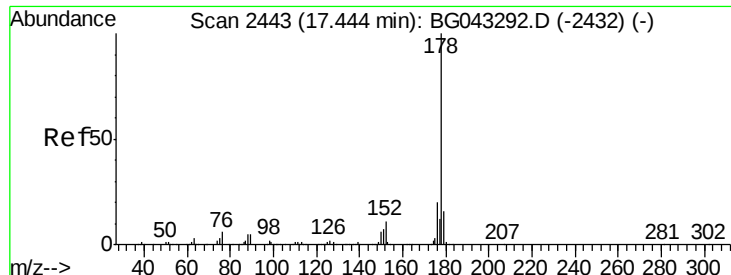
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Tgt Ion:188 Resp: 295237
Ion Ratio Lower Upper
188 100
94 6.7 4.2 6.4#
80 6.7 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

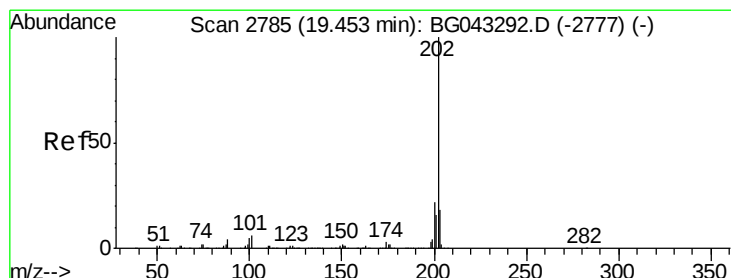
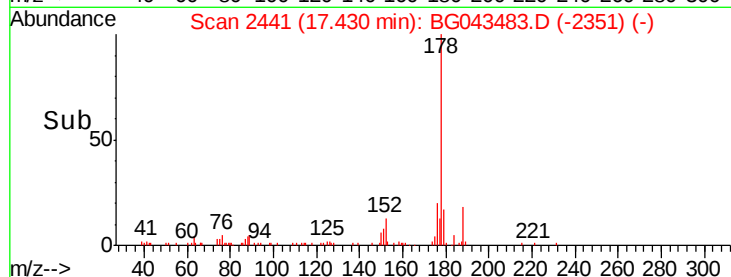
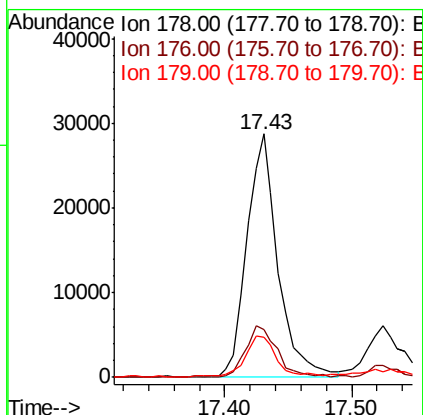
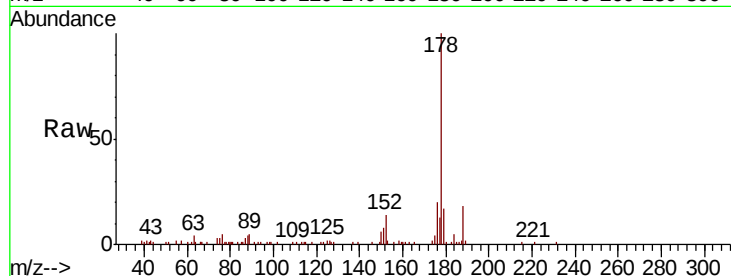




#71
Phenanthrene
Concen: 3.242 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

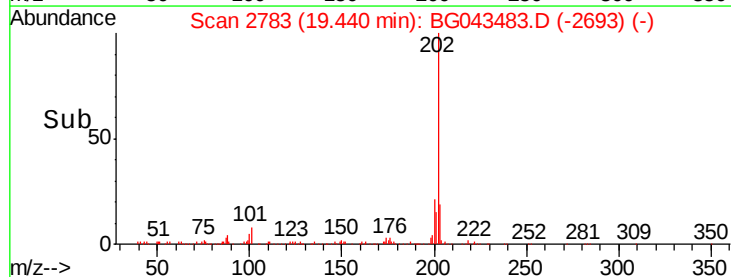
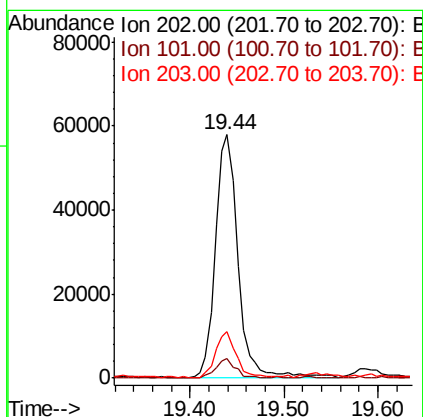
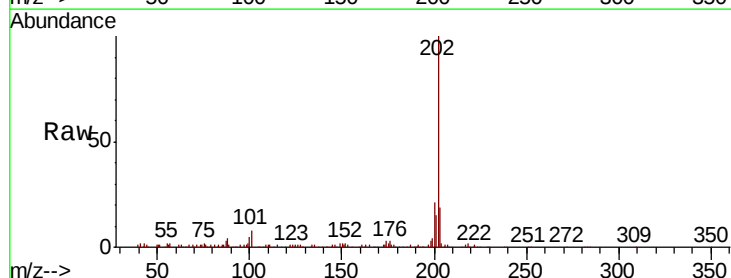
Instrument :
BNA_G
ClientSampleId :
CL-01-103019

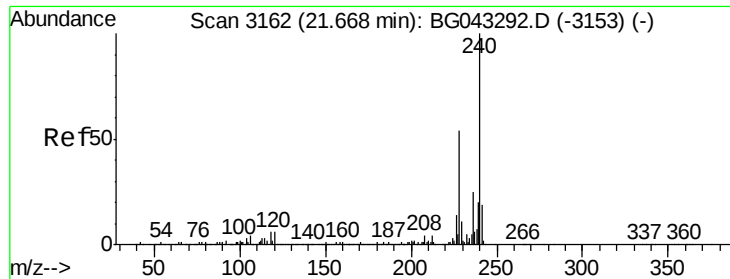
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.0
179	16.6	13.0	19.6



#75
Fluoranthene
Concen: 4.986 ng
RT: 19.44 min Scan# 2783
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	26.3
203	19.0	0.0	37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

CL-01-103019

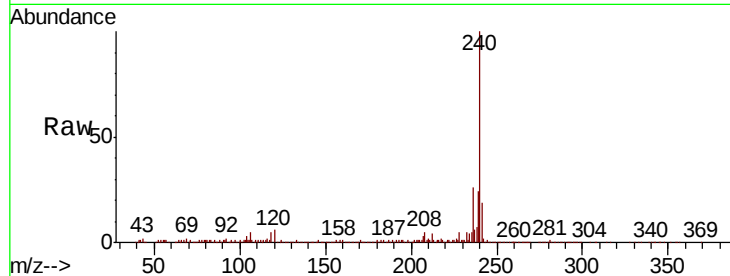
Tot Ion:240 Resp: 307153

Ion Ratio Lower Upper

240 100

120 5.5 4.6 6.8

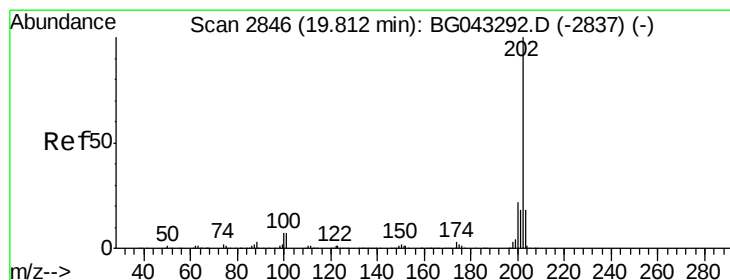
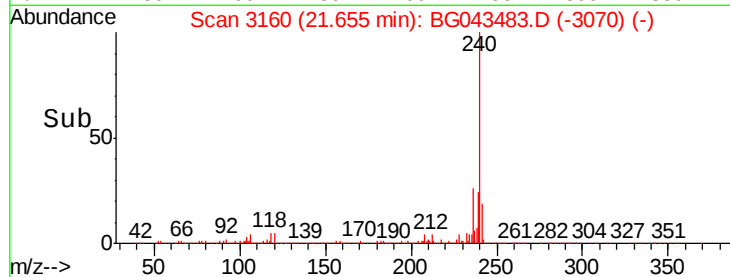
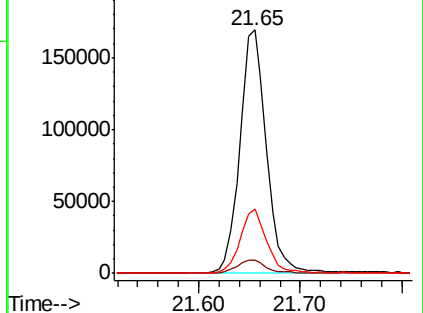
236 26.4 19.8 29.8



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: 4.554 ng

RT: 19.80 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

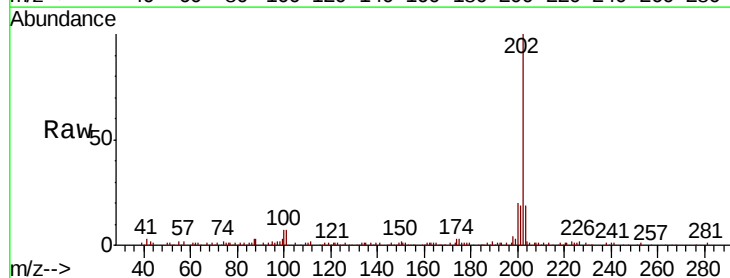
Tgt Ion:202 Resp: 86578

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

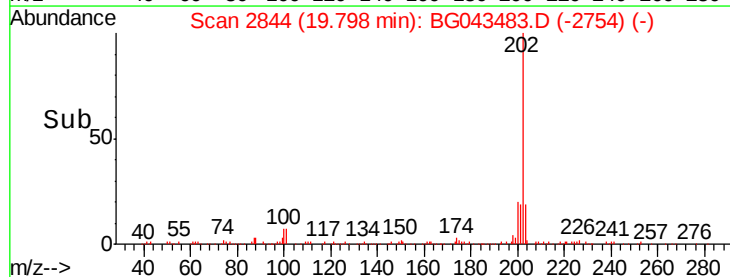
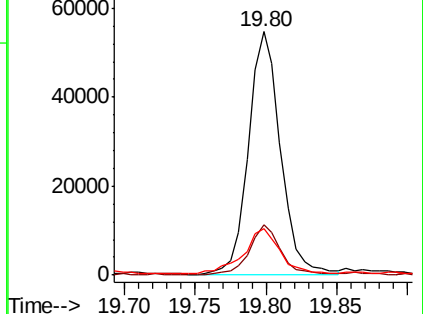
203 19.2 14.7 22.1

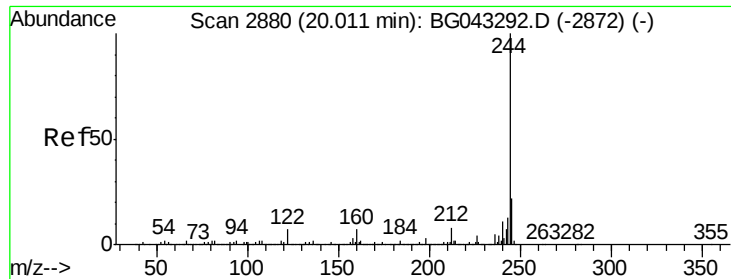


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 27.345 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

CL-01-103019

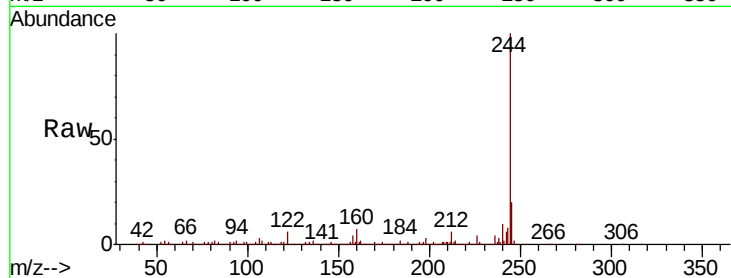
Tot Ion:244 Resp: 447700

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

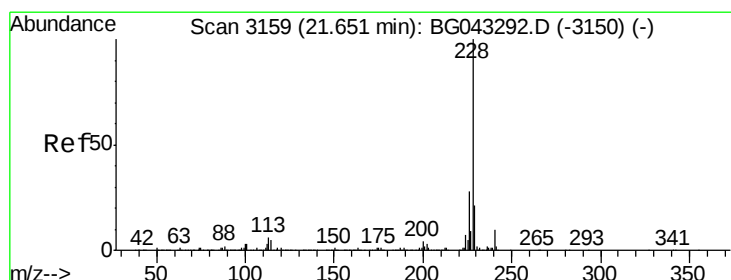
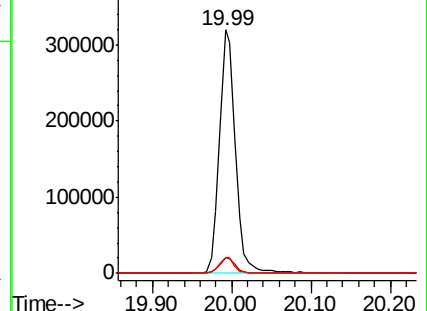
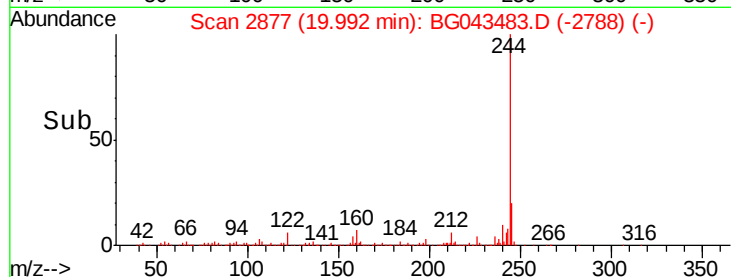
122 6.5 5.4 8.2



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: 2.510 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

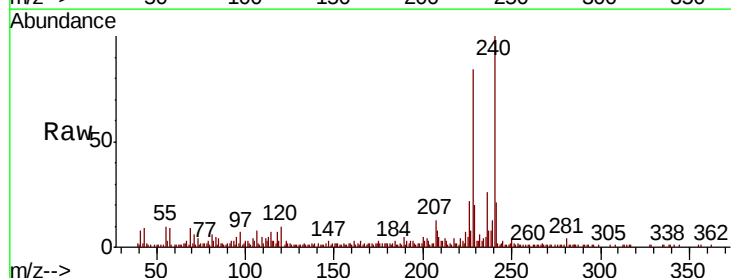
Tgt Ion:228 Resp: 48283

Ion Ratio Lower Upper

228 100

226 26.6 22.2 33.2

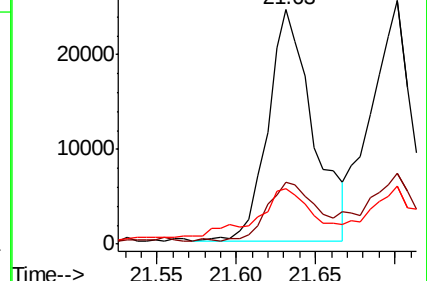
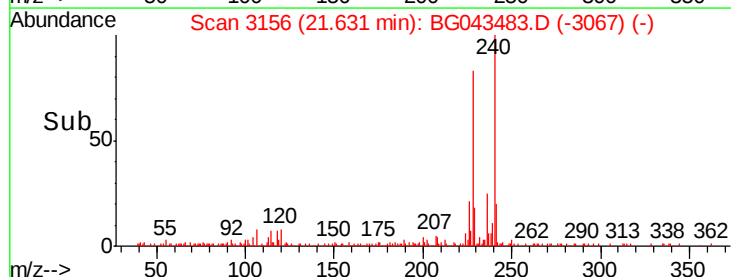
229 23.4 17.0 25.4

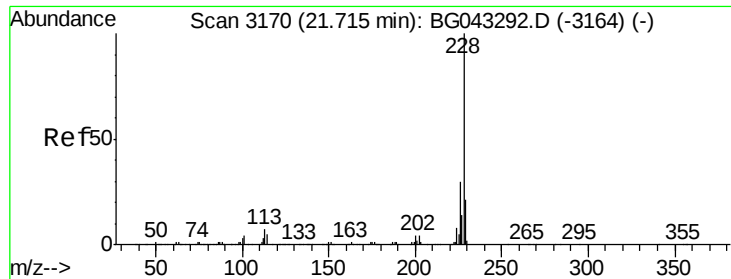


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

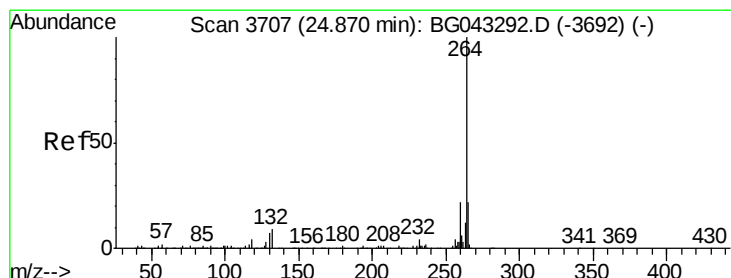
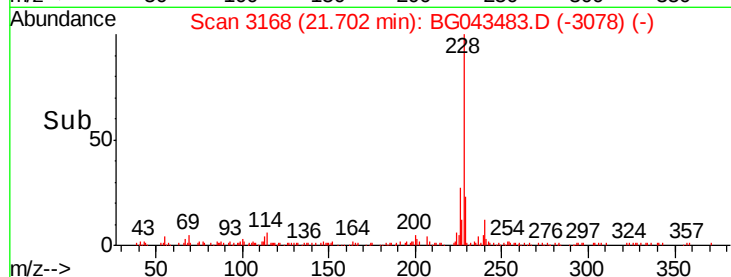
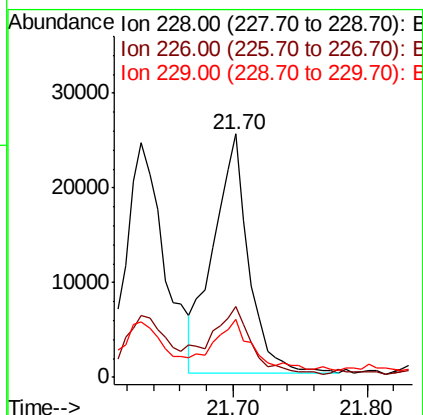
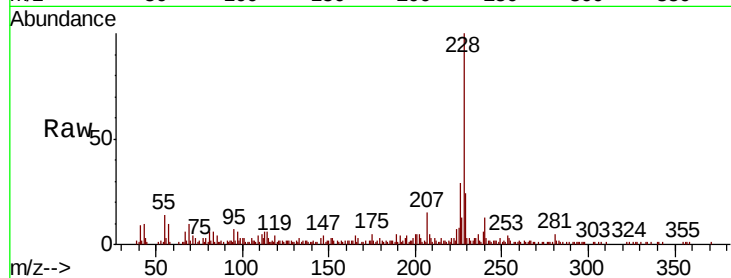




#83
Chrysene
Concen: 2.457 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

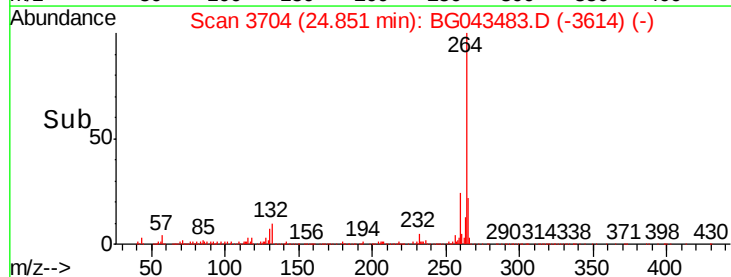
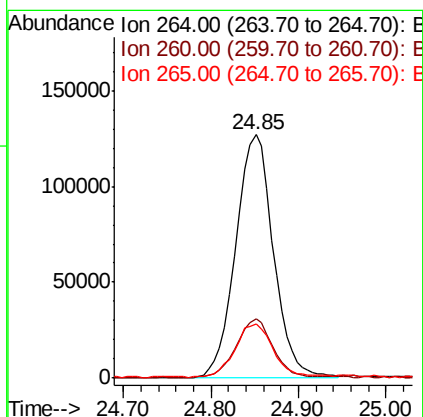
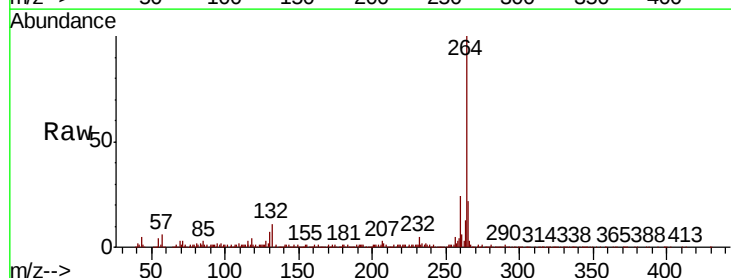
Instrument :
BNA_G
ClientSampleId :
CL-01-103019

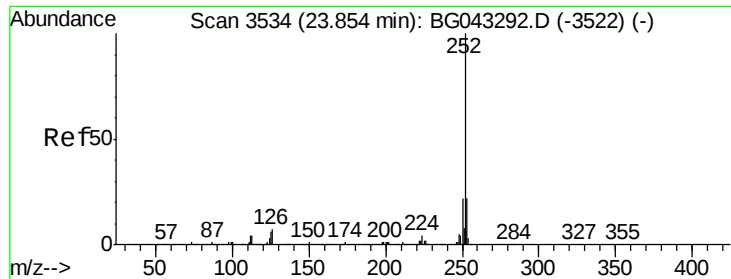
Tot Ion:228 Resp: 46974
Ion Ratio Lower Upper
228 100
226 29.3 25.1 37.7
229 24.0 17.0 25.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Tgt Ion:264 Resp: 368299
Ion Ratio Lower Upper
264 100
260 24.2 17.5 26.3
265 22.3 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.046 ng

RT: 23.83 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

CL-01-103019

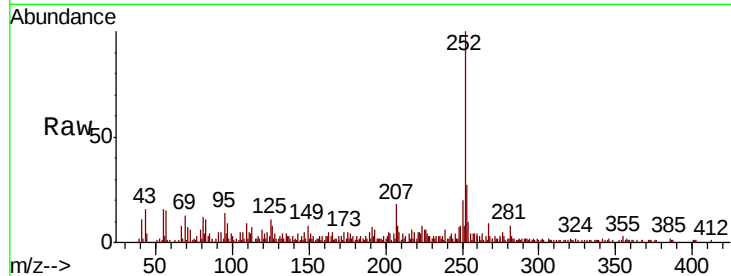
Tot Ion:252 Resp: 63542

Ion Ratio Lower Upper

252 100

253 27.4 17.7 26.5#

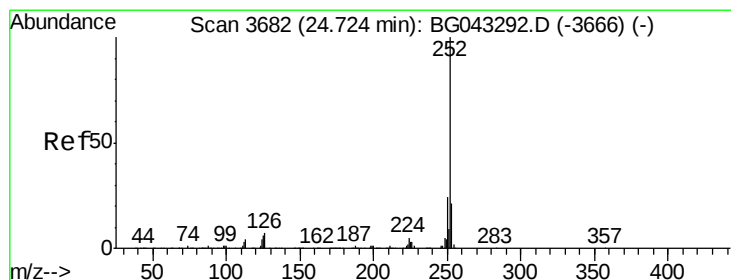
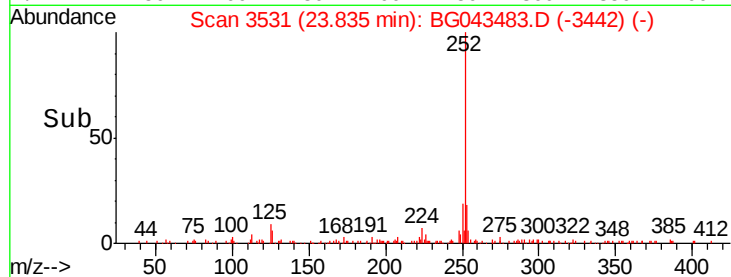
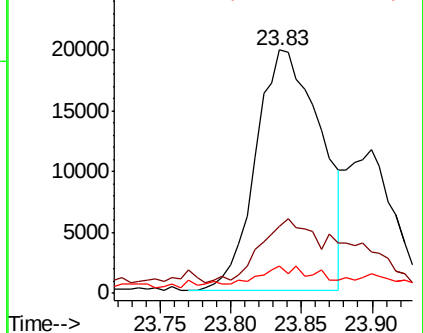
125 11.5 4.5 6.7#



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



#90

Benzo(a)pyrene

Concen: 2.386 ng

RT: 24.69 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

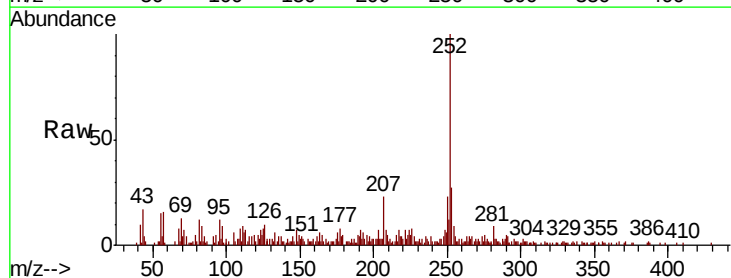
Tgt Ion:252 Resp: 47521

Ion Ratio Lower Upper

252 100

253 27.0 17.8 26.8#

125 7.9 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

