

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 :

Quant Time: Nov 04 17:09:30 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

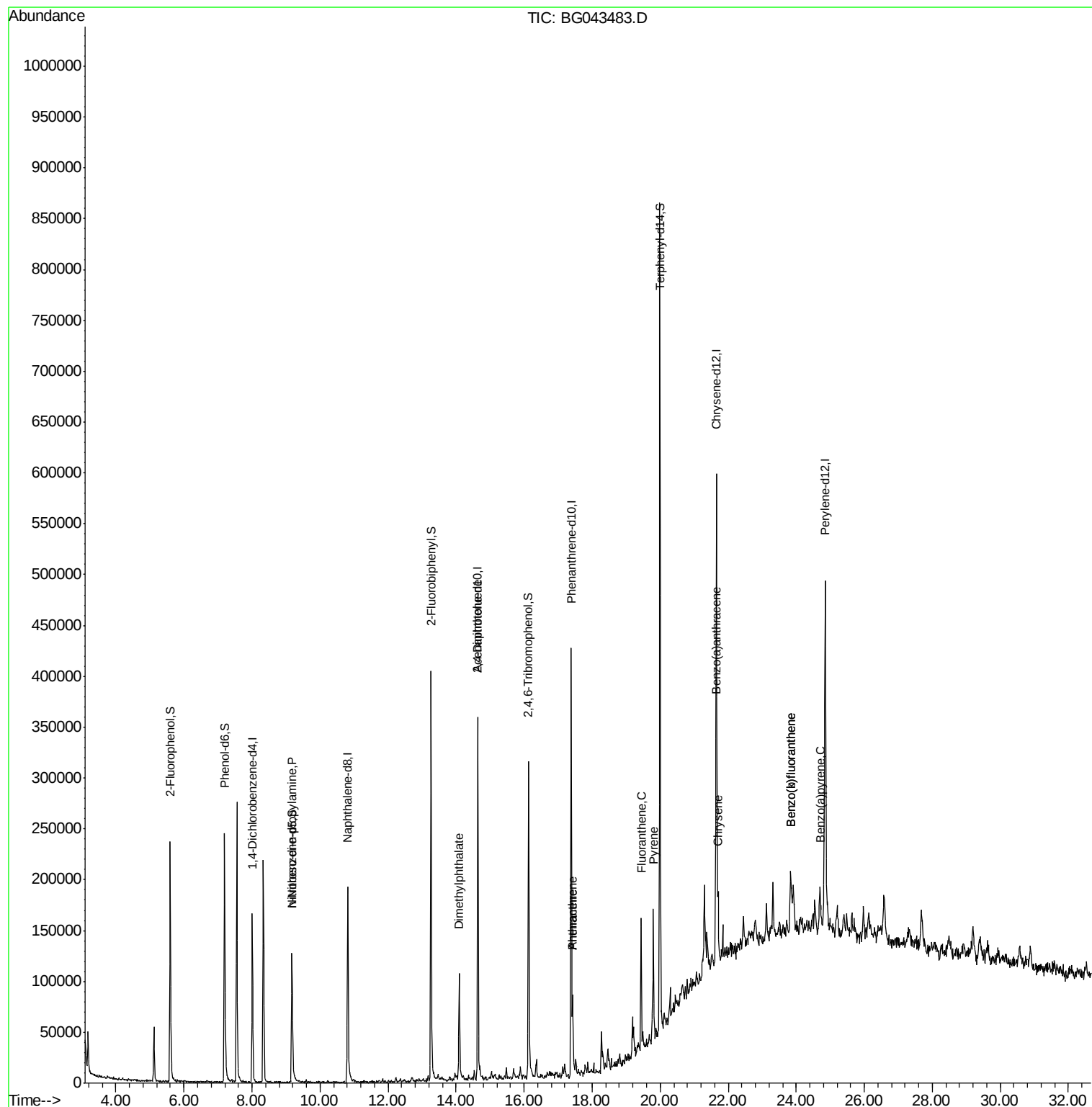
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	52105	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	200414	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	133147	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	295237	20.00	ng	0.00
76) Chrysene-d12	21.65	240	307153	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						
19) n-Nitroso-di-n-propylamine	9.18	70	14227	5.382	ng	Qvalue # 69
50) Dimethylphthalate	14.09	163	86447	8.382	ng	97
57) 2,4-Dinitrotoluene	14.64	165	19664	6.141	ng	# 27
71) Phenanthrene	17.43	178	49014	3.242	ng	99
72) Anthracene	17.43	178	49014	3.240	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
89) Benzo(k)fluoranthene	23.83	252	63542	3.026	ng	# 87
90) Benzo(a)pyrene	24.69	252	47521	2.386	ng	# 92

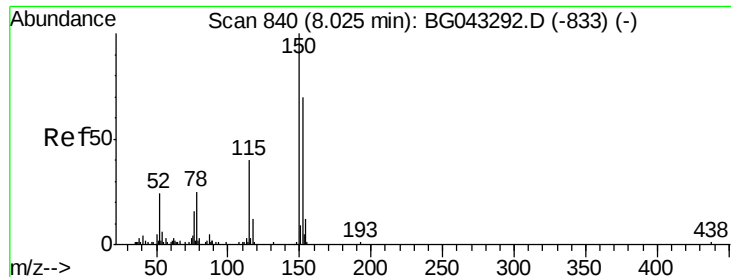
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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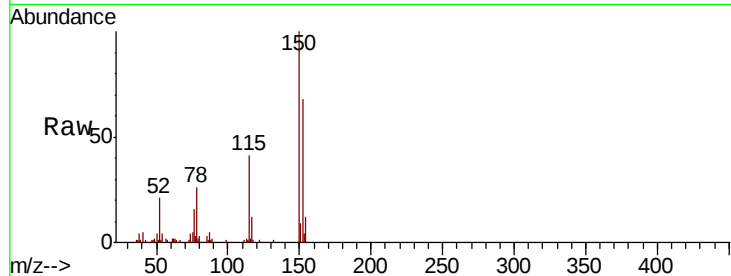


#1

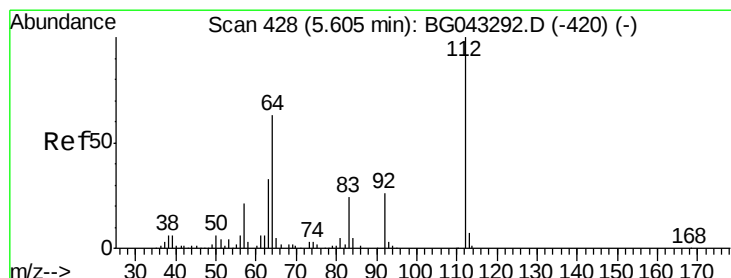
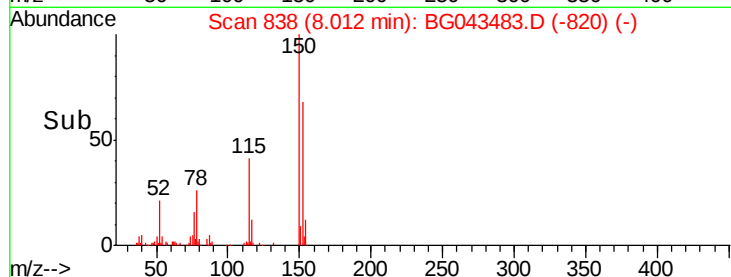
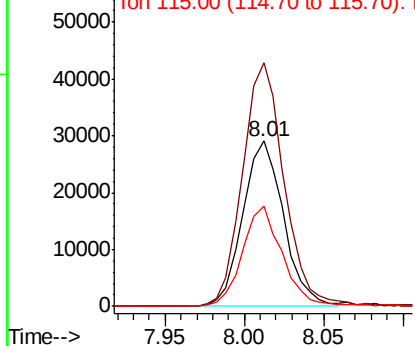
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Instrument :
BNA_G
ClientSampled :

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



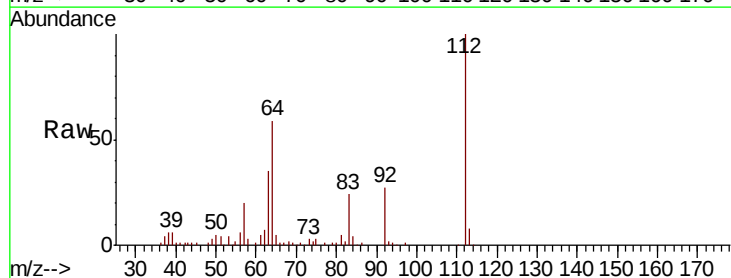
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



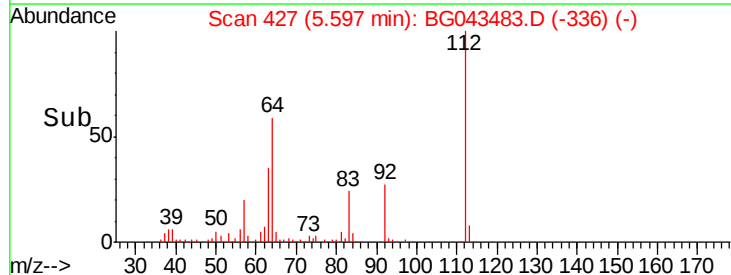
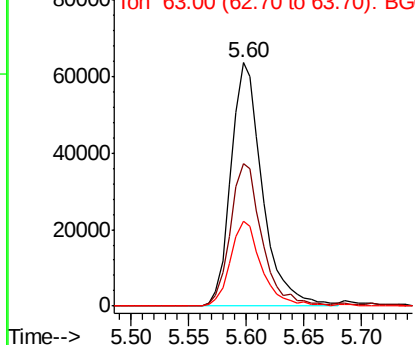
#5

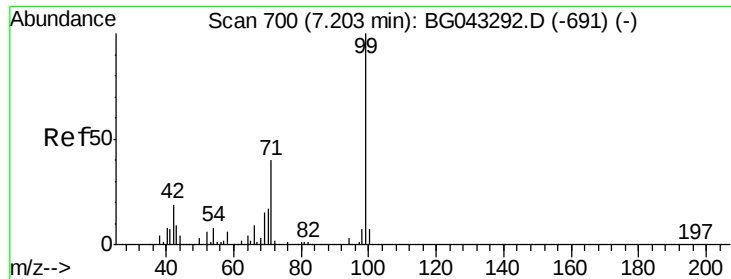
2-Fluorophenol
Concen: 42.386 ng
RT: 5.60 min Scan# 427
Delta R.T. 0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

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

ClientSampled :

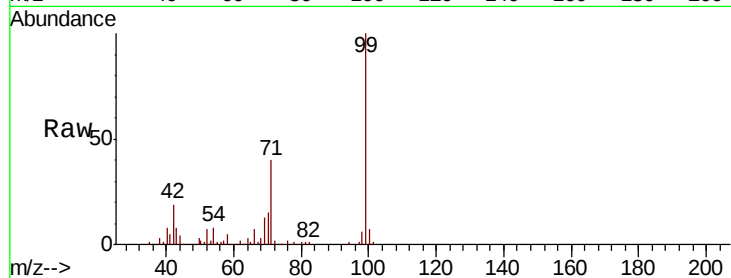
Tot Ion: 99 Resp: 169573

Ion Ratio Lower Upper

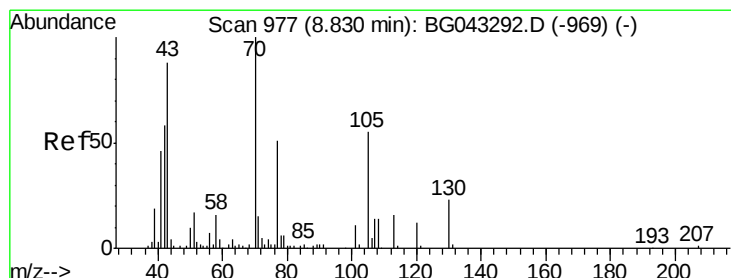
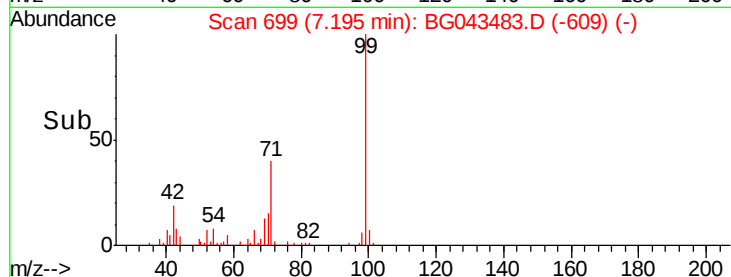
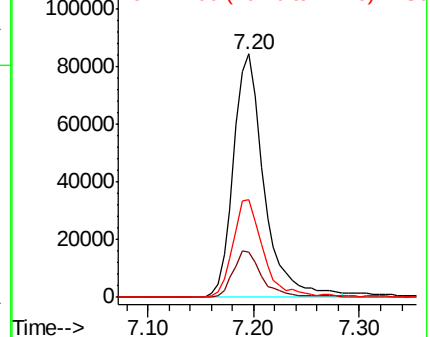
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 5.382 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.37 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Tgt Ion: 70 Resp: 14227

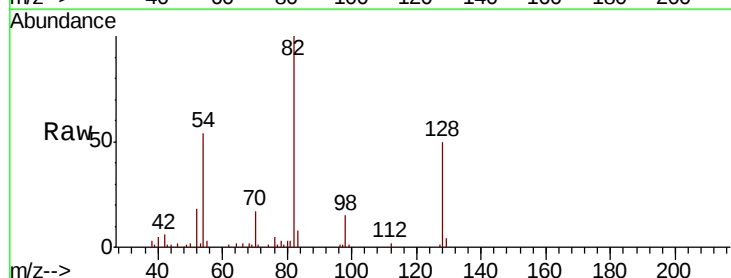
Ion Ratio Lower Upper

70 100

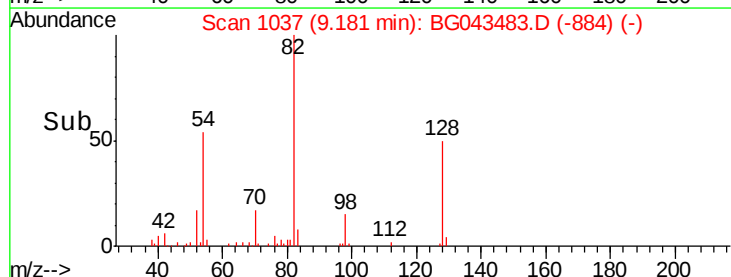
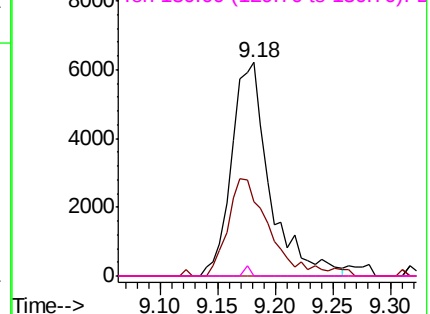
42 34.6 41.4 62.2#

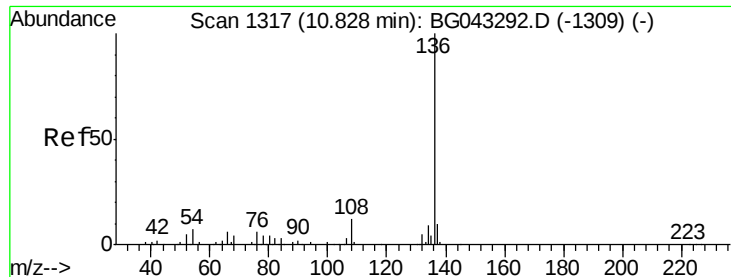
101 0.0 7.9 11.9#

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: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 200414

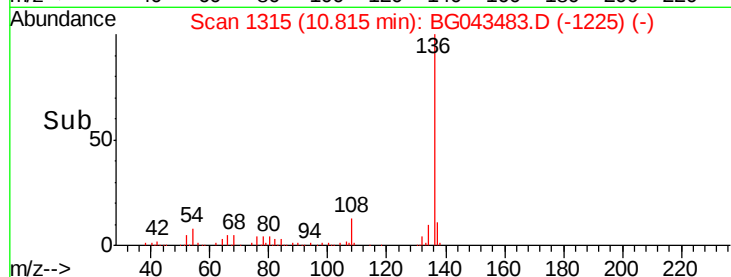
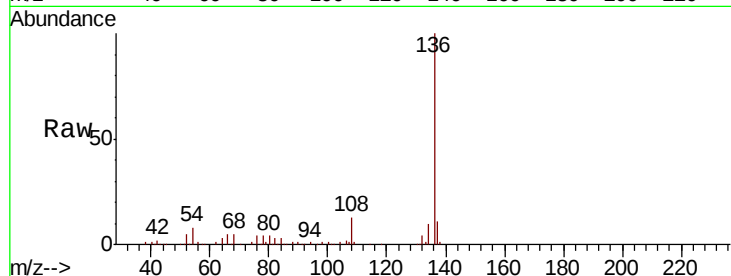
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.7 5.4 8.2

68 4.6 3.0 4.4#

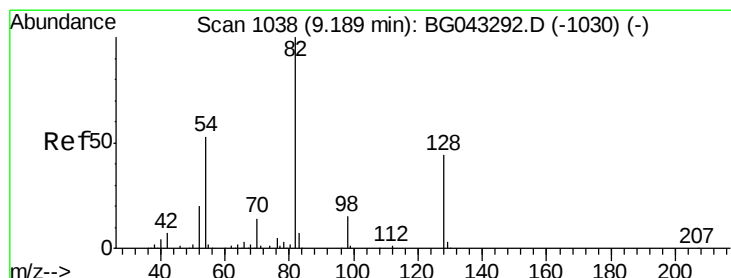
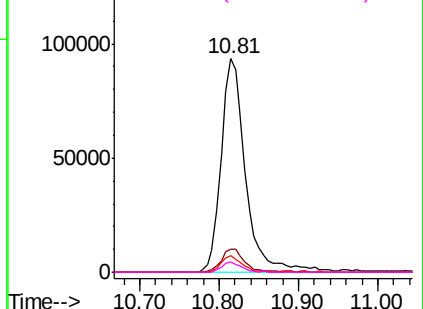


Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

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

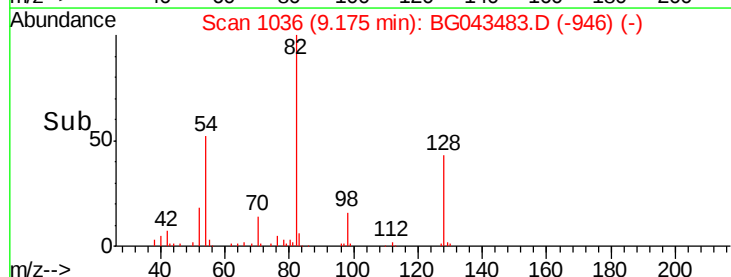
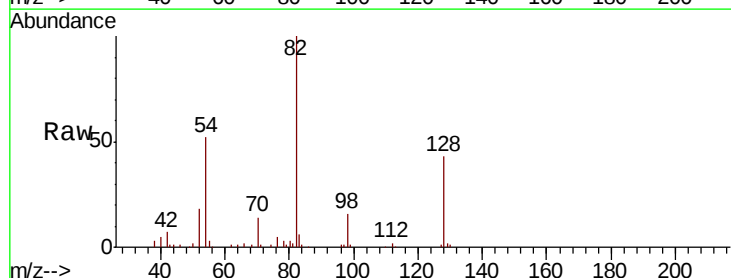
Tgt Ion: 82 Resp: 96770

Ion Ratio Lower Upper

82 100

128 42.8 35.0 52.6

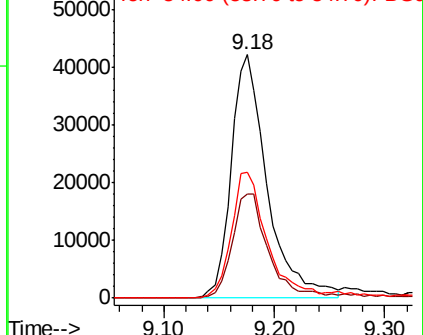
54 51.9 40.2 60.2

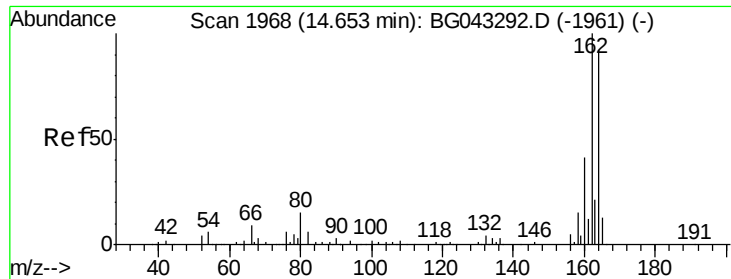


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

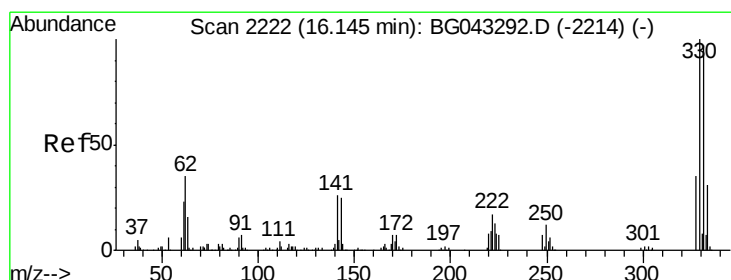
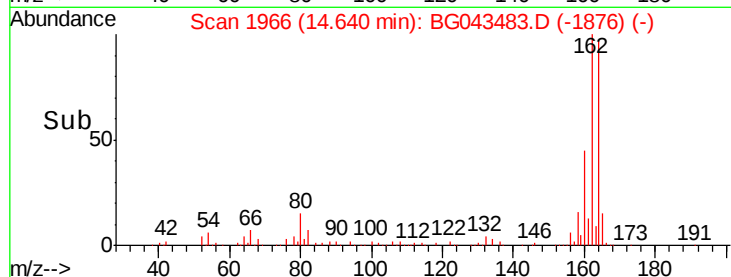
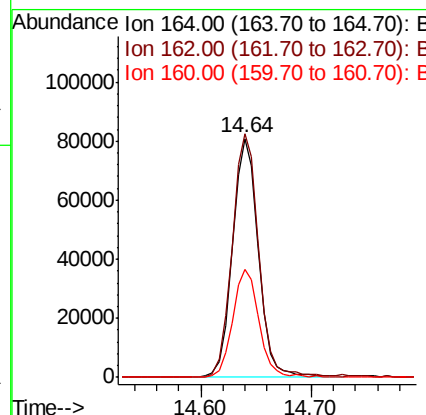
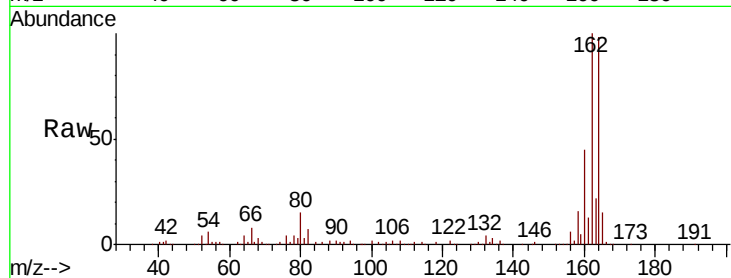




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

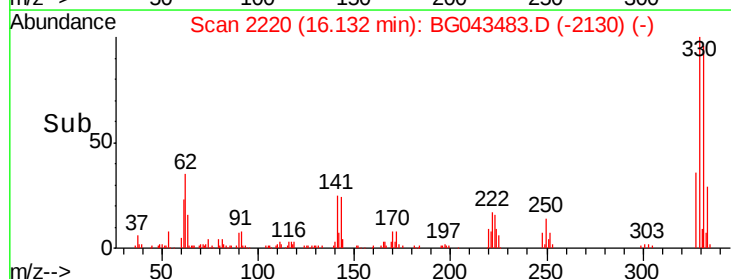
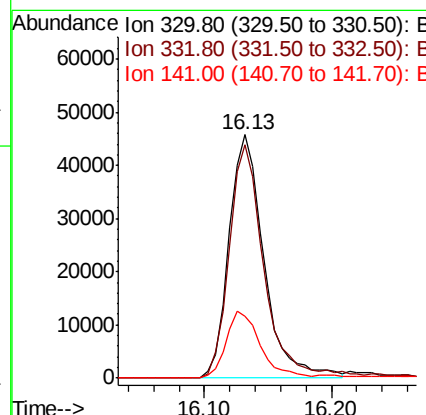
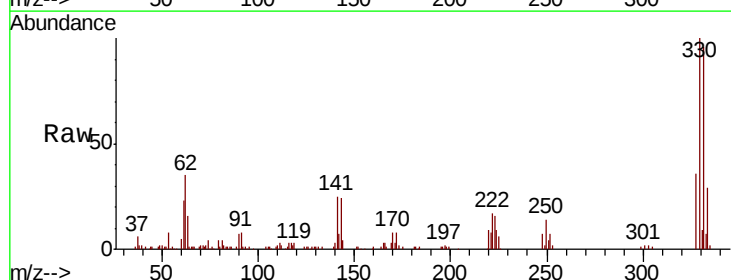
Instrument :
BNA_G
ClientSampleId :

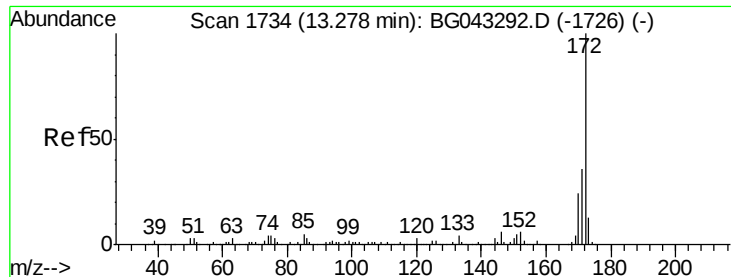
Tot Ion:164 Resp: 133147
Ion Ratio Lower Upper
164 100
162 102.0 83.5 125.3
160 45.5 36.5 54.7



#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

Tgt Ion:330 Resp: 87456
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 26.8 22.8 34.2

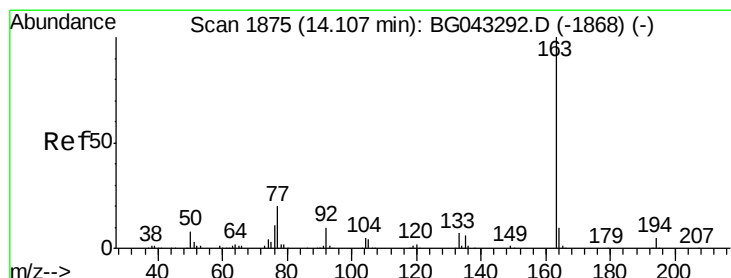
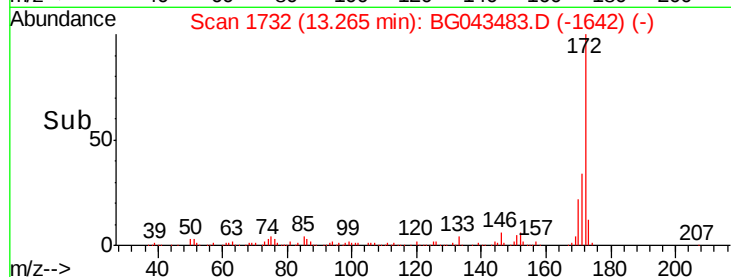
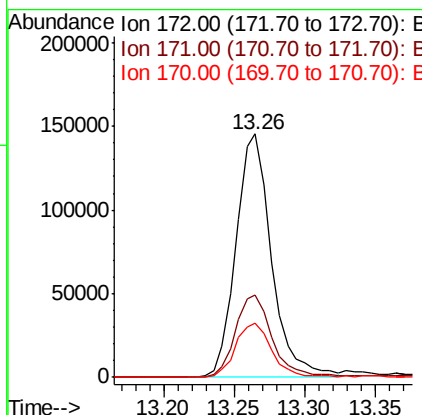
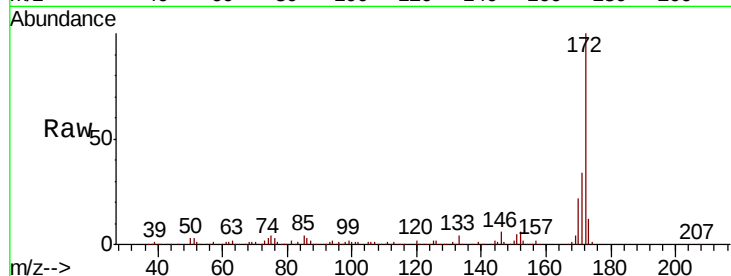




#45
 2-Fluorobiphenyl
 Concen: 26.604 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG043483.D
 Acq: 4 Nov 2019 16:33

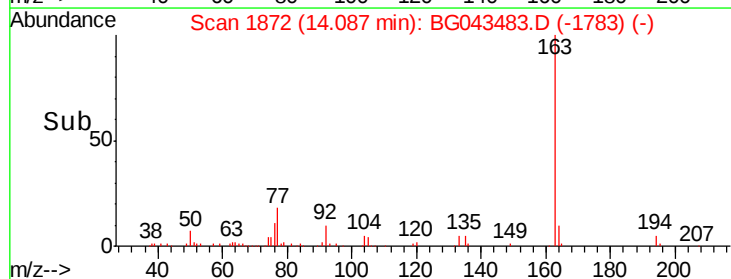
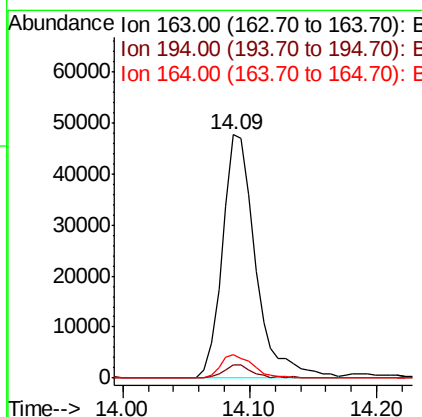
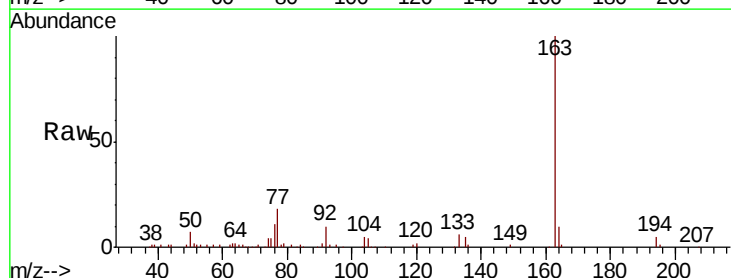
Instrument :
 BNA_G
 ClientSampleId :

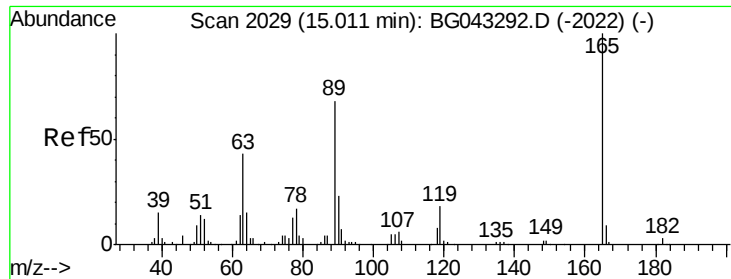
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.9	43.3
170	22.3	18.5	27.7



#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

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.8	5.6
164	9.8	8.9	13.3

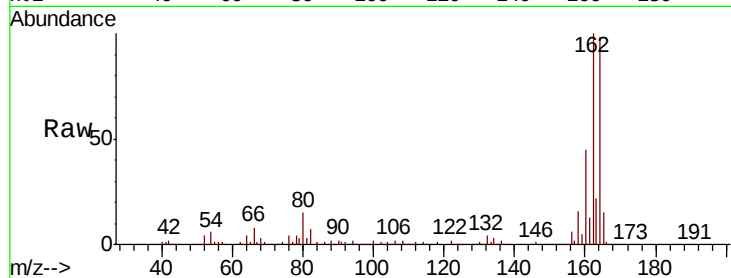




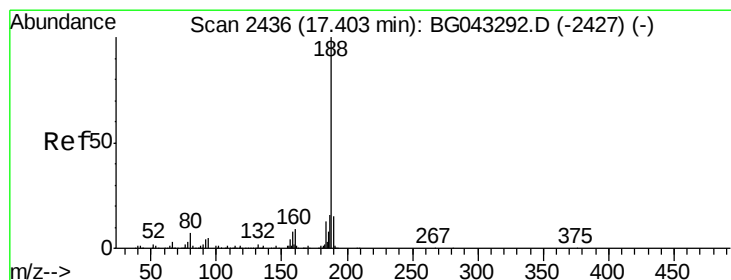
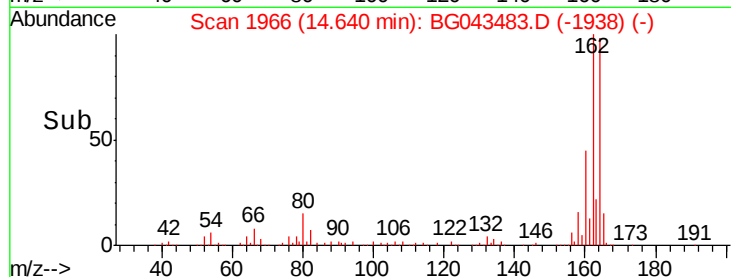
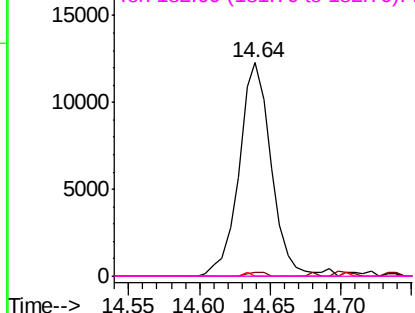
#57
 2,4-Dinitrotoluene
 Concen: 6.141 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.37 min
 Lab File: BG043483.D
 Acq: 4 Nov 2019 16:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 19664
 Ion Ratio Lower Upper
 165 100
 63 1.8 33.2 49.8#
 89 0.0 52.2 78.4#
 182 0.0 2.0 3.0#

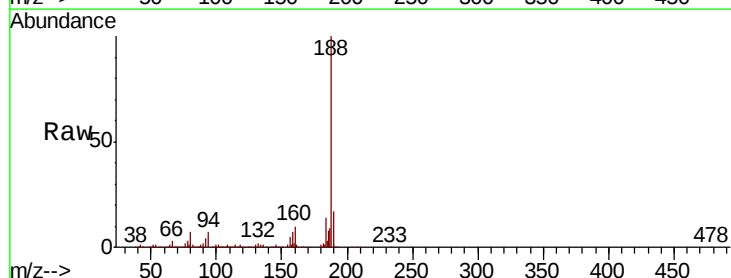


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

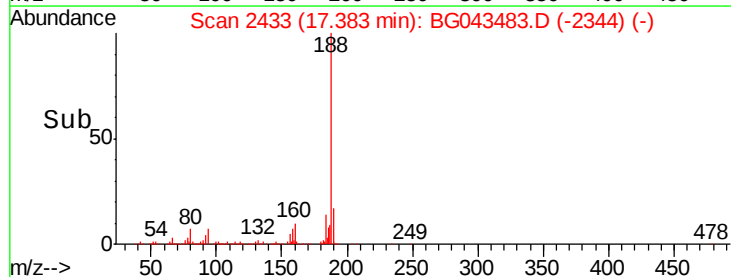
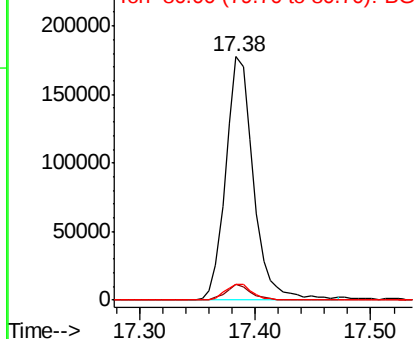


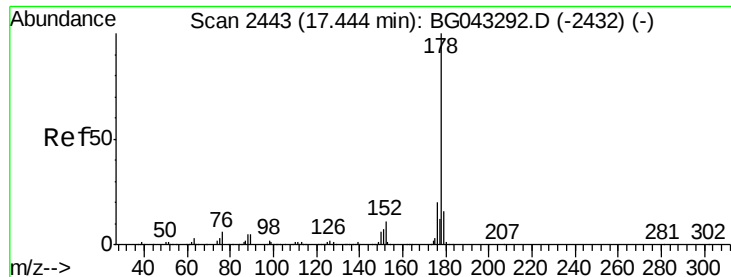
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BG043483.D
 Acq: 4 Nov 2019 16:33

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

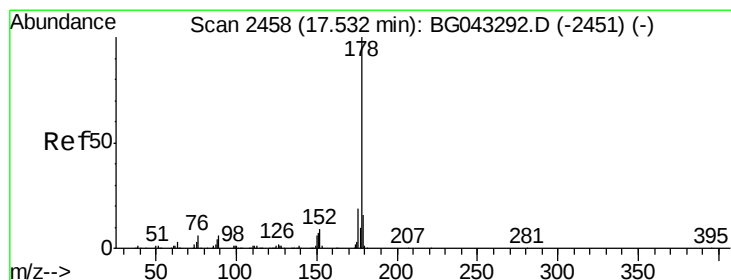
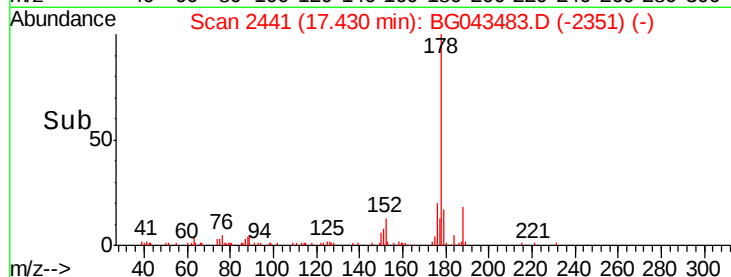
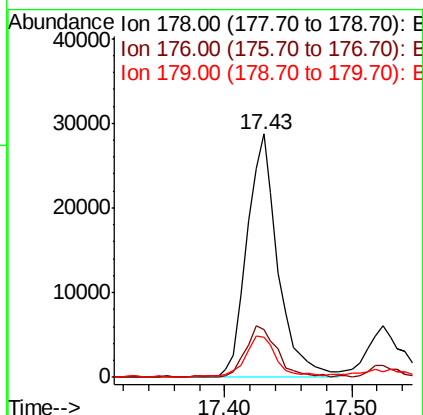
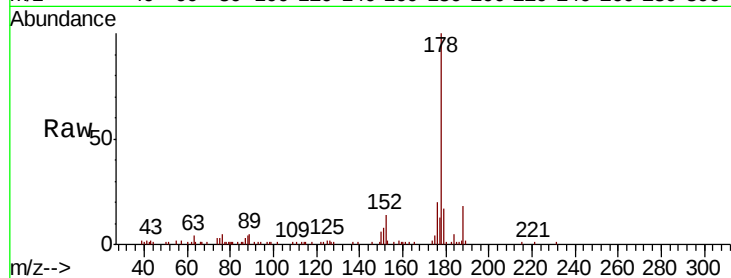




#71
Phenanthrene
Concen: 3.242 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

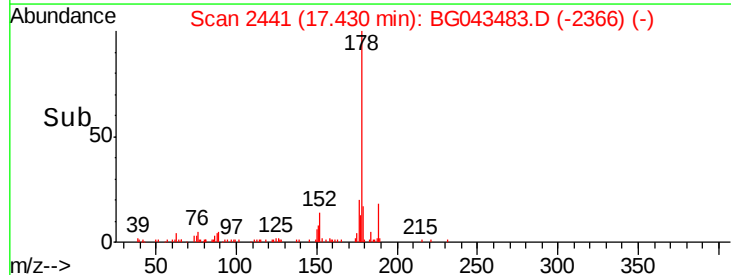
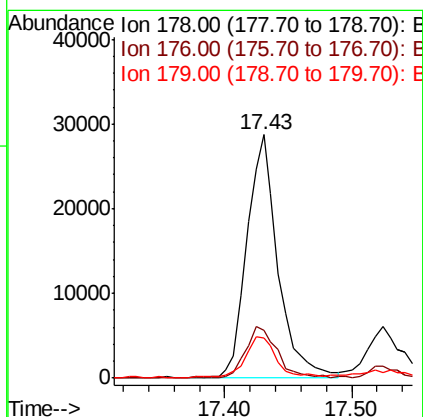
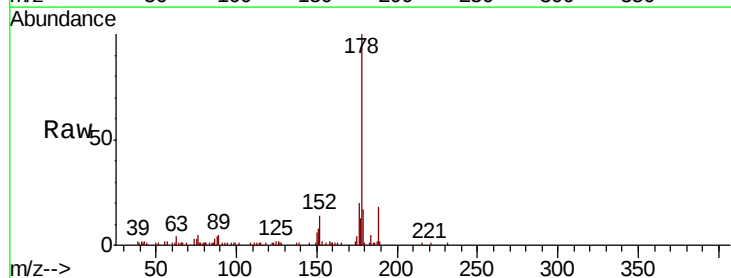
Instrument :
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ClientSampleId :

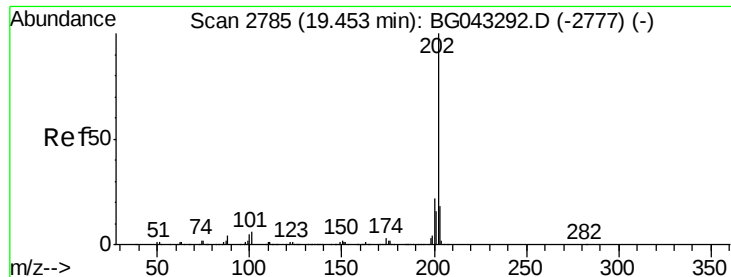
Tot Ion:178 Resp: 49014
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 16.6 13.0 19.6



#72
Anthracene
Concen: 3.240 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.09 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Tgt Ion:178 Resp: 49014
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.6 13.7 20.5





#75

Fluoranthene

Concen: 4.986 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG043483.D

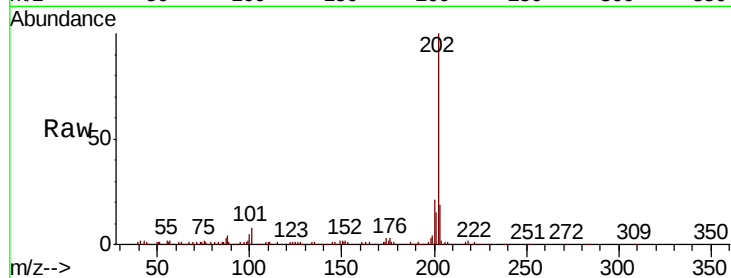
Acq: 4 Nov 2019 16:33

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	98277
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	26.3
203	19.0	0.0	37.9

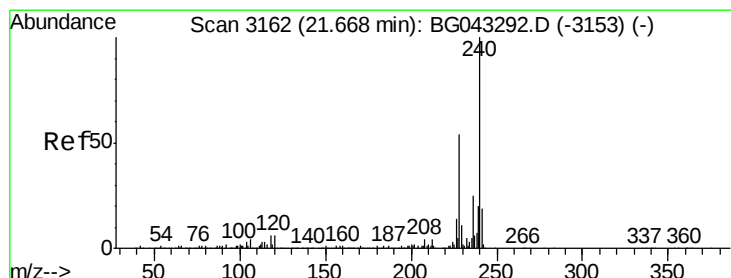
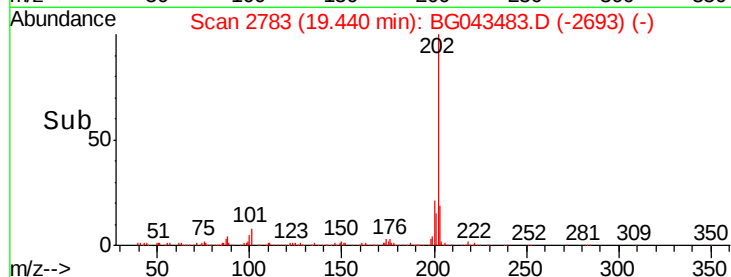
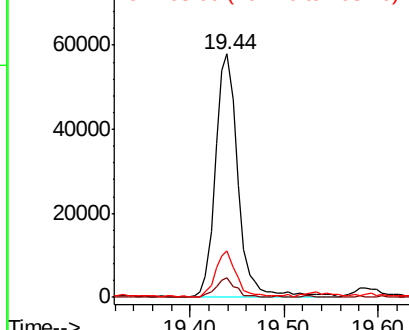


Abundance

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

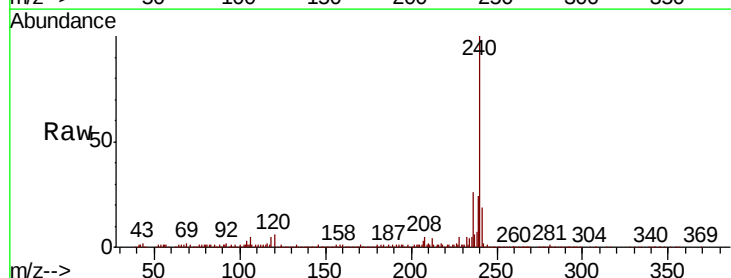
RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

Lab File: BG043483.D

Acq: 4 Nov 2019 16:33

Tgt Ion:	240	Resp:	307153
Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.6	6.8
236	26.4	19.8	29.8

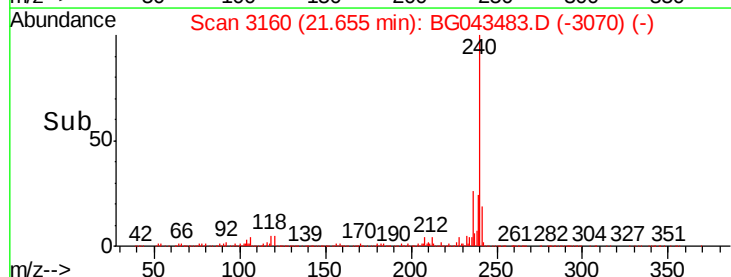
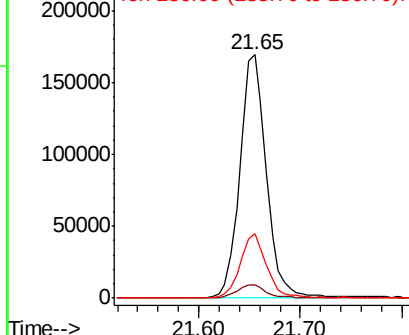


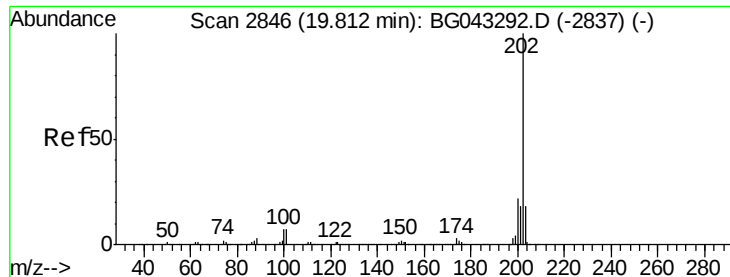
Abundance

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

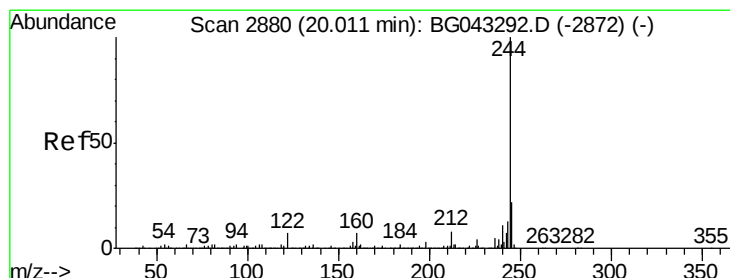
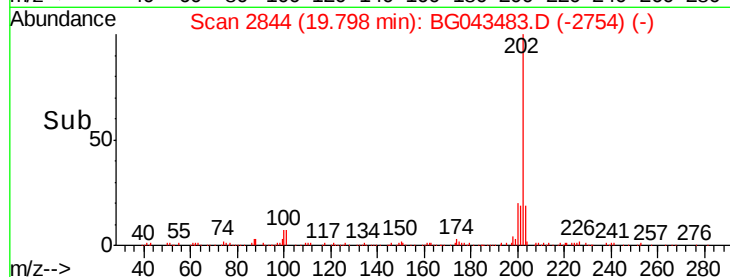
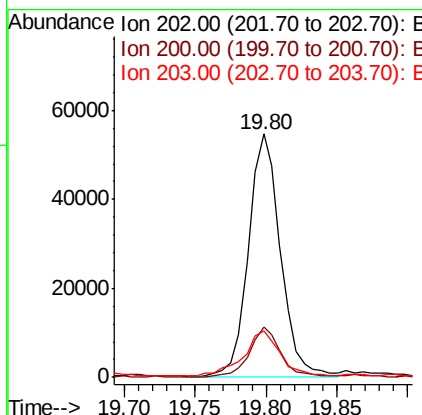
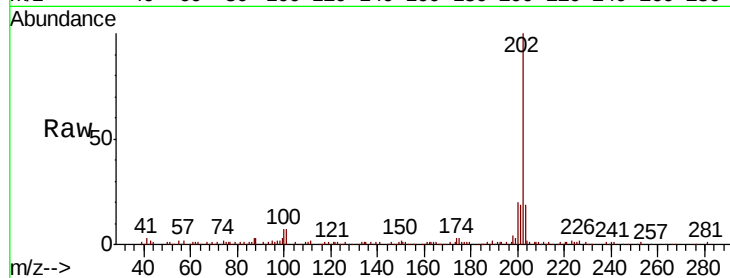




#78
Pvrene
Concen: 4.554 ng
RT: 19.80 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

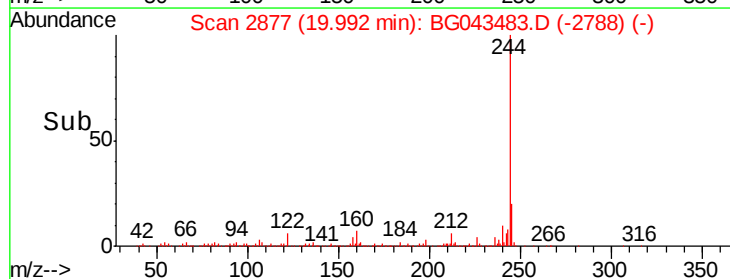
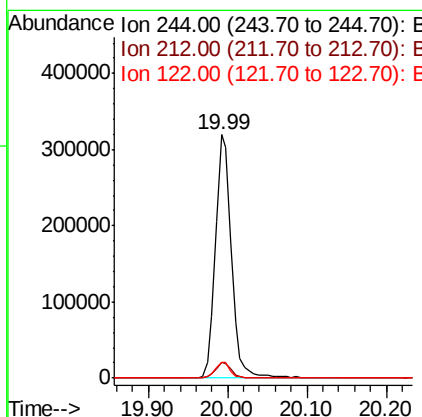
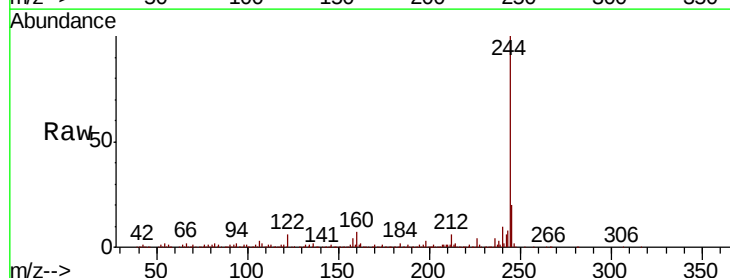
Instrument :
BNA_G
ClientSampleId :

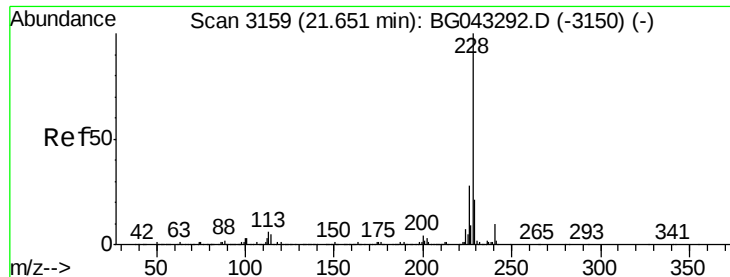
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	19.2	14.7	22.1



#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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	6.5	5.4	8.2

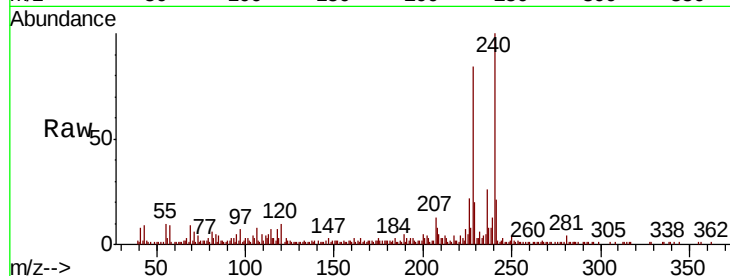




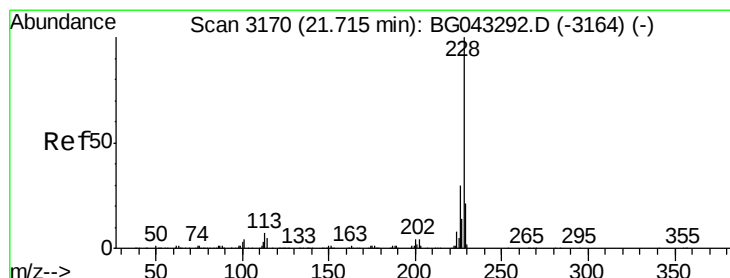
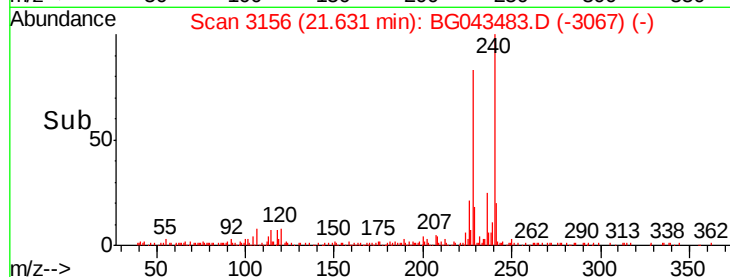
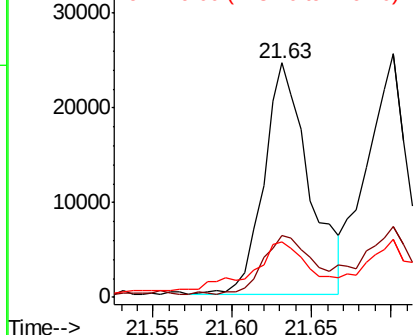
#81
Benzo(a)anthracene
Concen: 2.510 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 48283
Ion Ratio Lower Upper
228 100
226 26.6 22.2 33.2
229 23.4 17.0 25.4

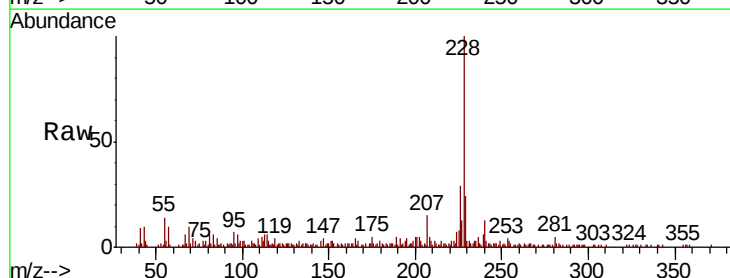


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

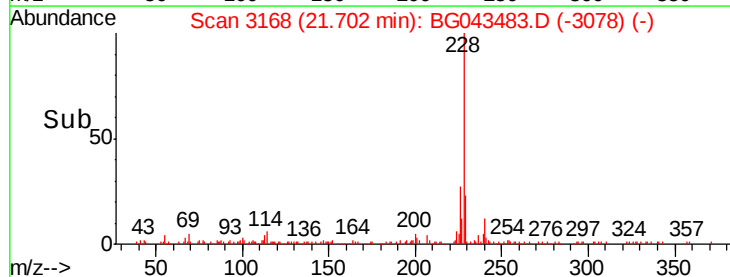
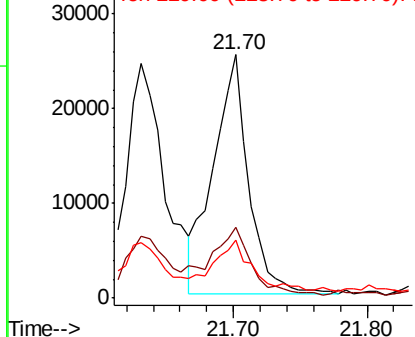


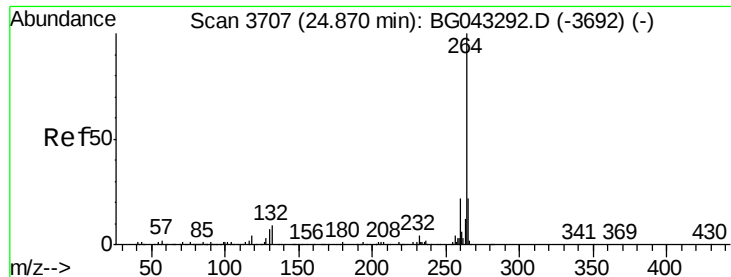
#83
Chrysene
Concen: 2.457 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

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



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-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

Instrument :

BNA_G

ClientSampleId :

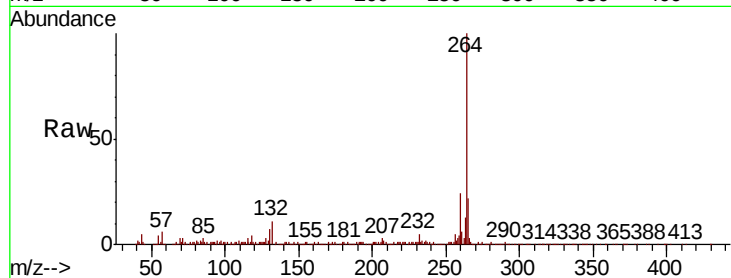
Tot Ion:264 Resp: 368299

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.5	26.3
265	22.3	17.4	26.0

264 100

260 24.2 17.5 26.3

265 22.3 17.4 26.0

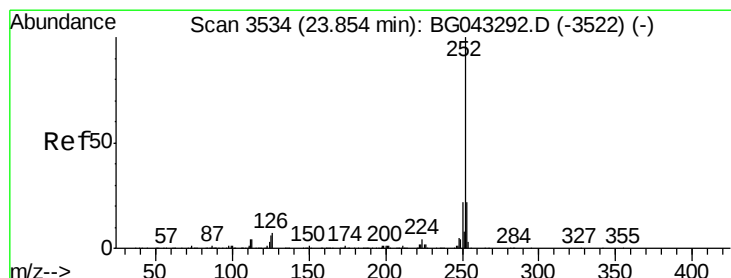
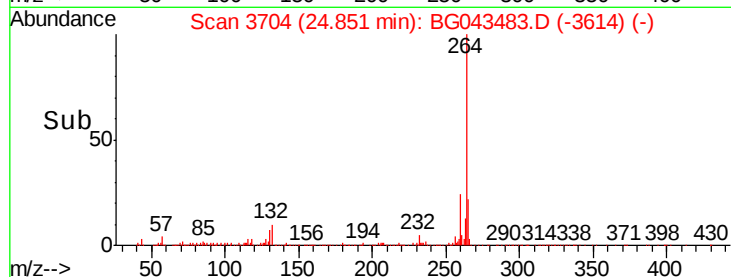
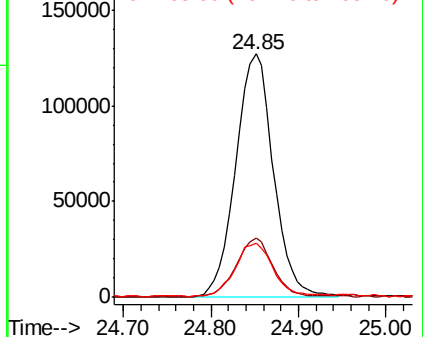


Abundance

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: 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

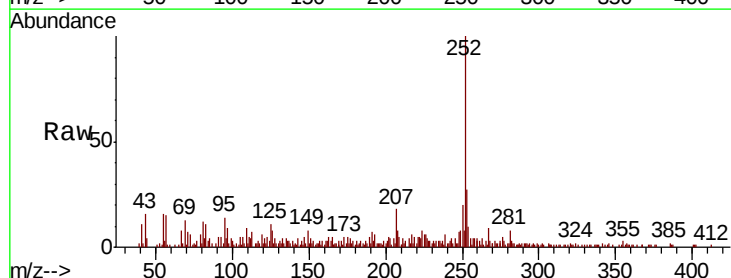
Tgt Ion:252 Resp: 63542

Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.7	26.5#
125	11.5	4.5	6.7#

252 100

253 27.4 17.7 26.5#

125 11.5 4.5 6.7#

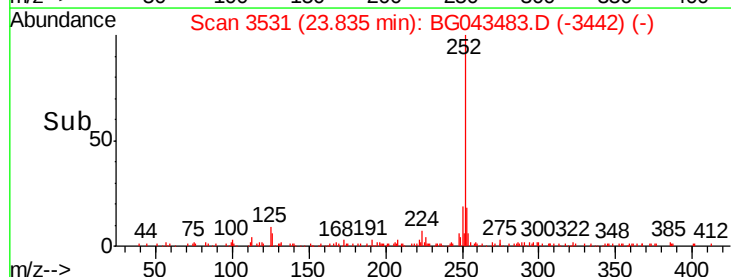
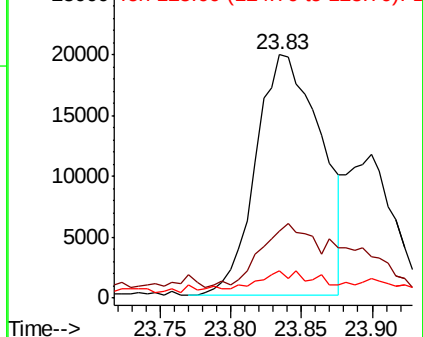


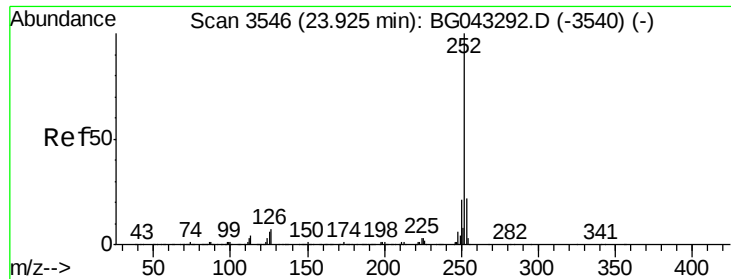
Abundance

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

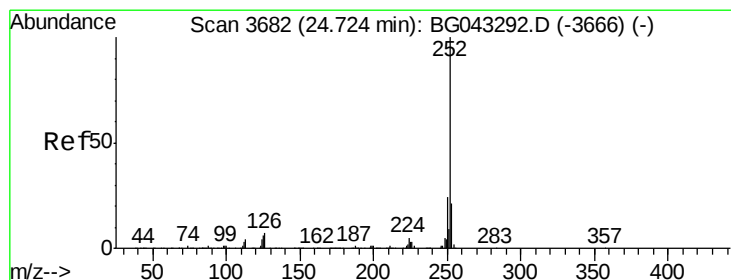
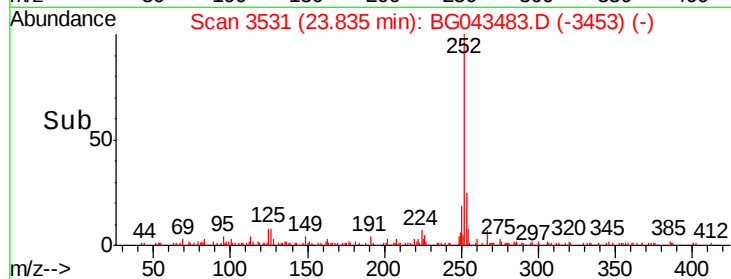
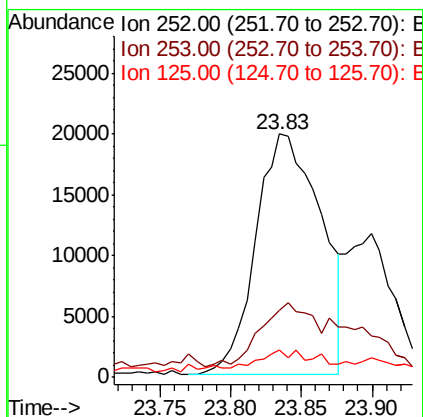
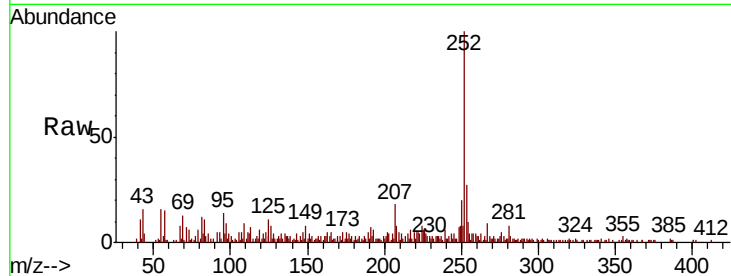




#89
Benzo(k)fluoranthene
Concen: 3.026 ng
RT: 23.83 min Scan# 3531
Delta R.T. -0.07 min
Lab File: BG043483.D
Acq: 4 Nov 2019 16:33

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 63542
Ion Ratio Lower Upper
252 100
253 27.4 17.3 25.9#
125 11.5 4.6 6.8#



#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

