

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011420\
 Data File : BG044048.D
 Acq On : 14 Jan 2020 22:42
 Operator : JU
 Sample : L1004-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-RO-229

Quant Time: Jan 15 00:08:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	152213	20.00	ng	-0.01
21) Naphthalene-d8	10.75	136	625500	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	367583	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	699817	20.00	ng	-0.01
76) Chrysene-d12	21.58	240	592741	20.00	ng	-0.01
87) Perylene-d12	24.73	264	676893	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	419253	50.57	ng	0.00
7) Phenol-d6	7.12	99	580928	50.13	ng	0.00
23) Nitrobenzene-d5	9.10	82	333463	28.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	174256	45.30	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	712582	35.12	ng	-0.02
79) Terphenyl-d14	19.94	244	866246	26.40	ng	-0.01

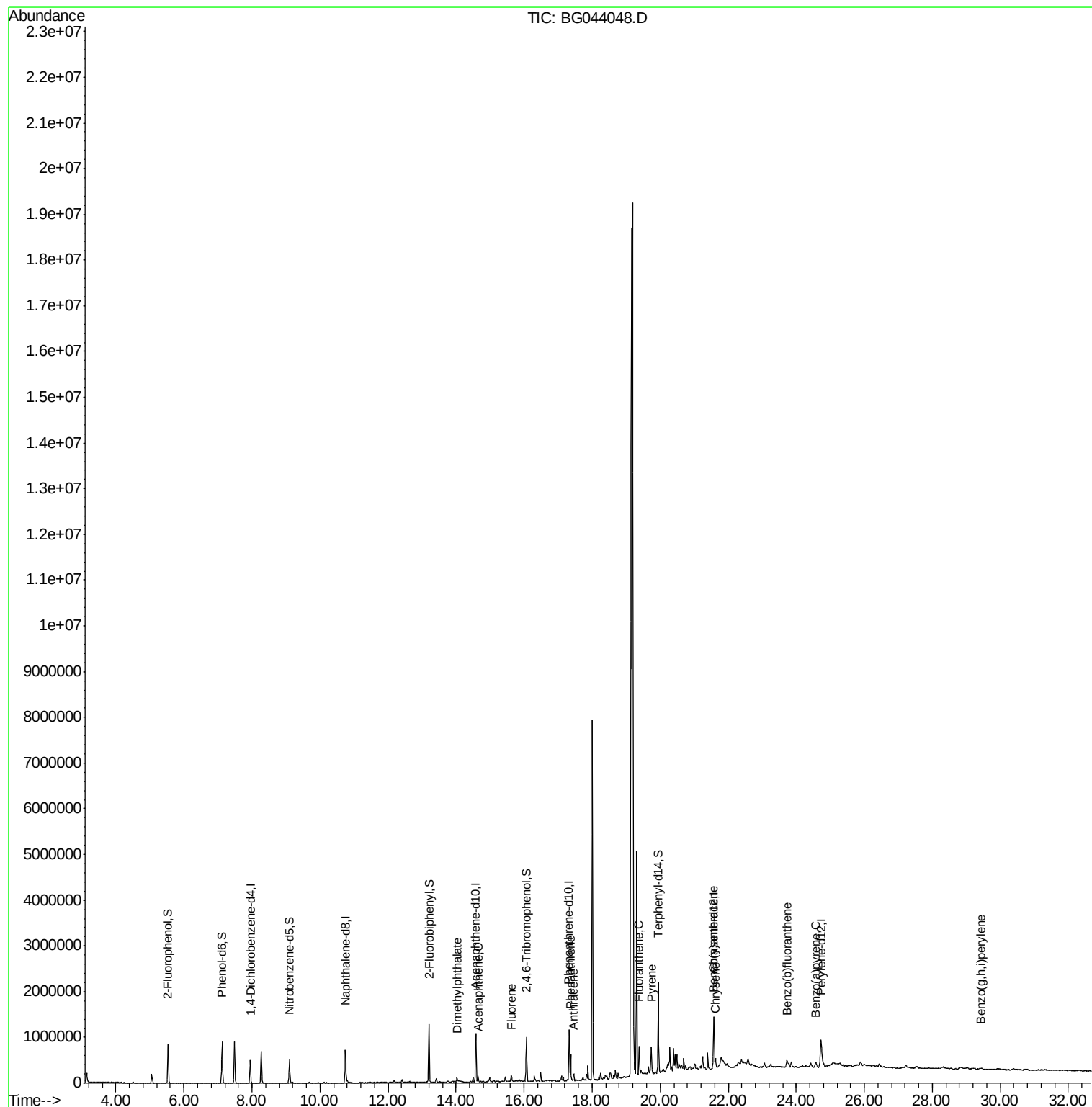
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.03	163	67393	2.582	ng	# 94
52) Acenaphthene	14.65	154	46317	2.158	ng	95
58) Fluorene	15.63	166	72351	3.089	ng	99
71) Phenanthrene	17.37	178	360660	10.745	ng	94
72) Anthracene	17.46	178	99521	3.000	ng	93
75) Fluoranthene	19.38	202	375653	9.786	ng	93
78) Pyrene	19.74	202	337256	8.717	ng	93
81) Benzo(a)anthracene	21.56	228	175548	4.776	ng	97
83) Chrysene	21.63	228	166333	4.763	ng	95
88) Benzo(b)fluoranthene	23.73	252	197476	4.935	ng	# 96
90) Benzo(a)pyrene	24.57	252	151050	3.999	ng	98
92) Benzo(a,h,i)perylene	29.43	276	75919	2.015	ng	# 92

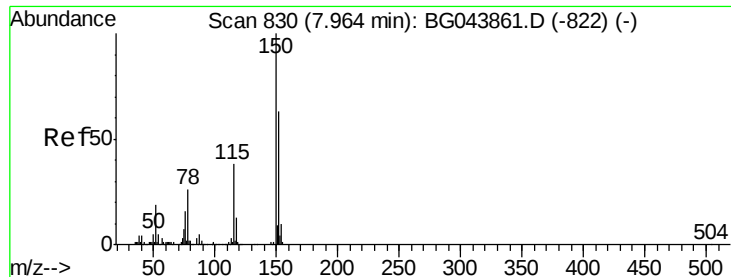
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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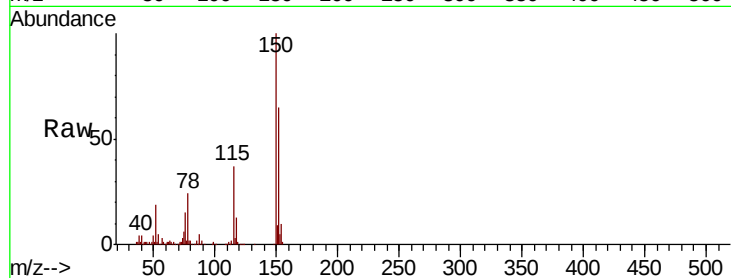


#1

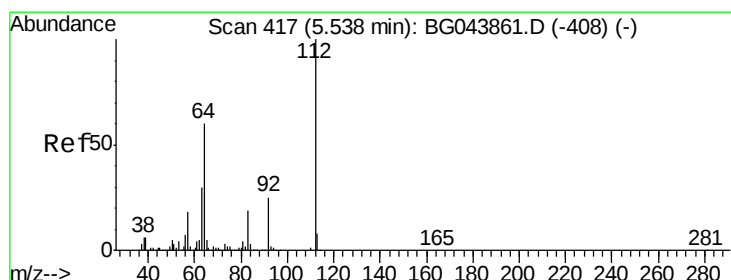
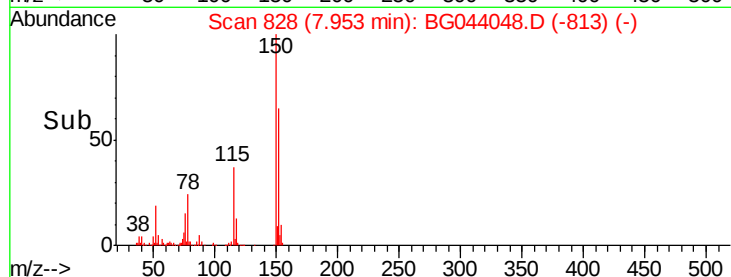
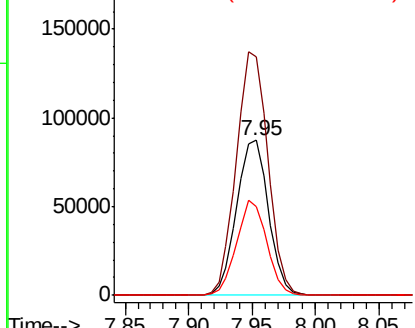
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Instrument :
BNA_G
ClientSampleId :
BU-RO-229

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	127.0	190.4
115	57.0	47.8	71.8



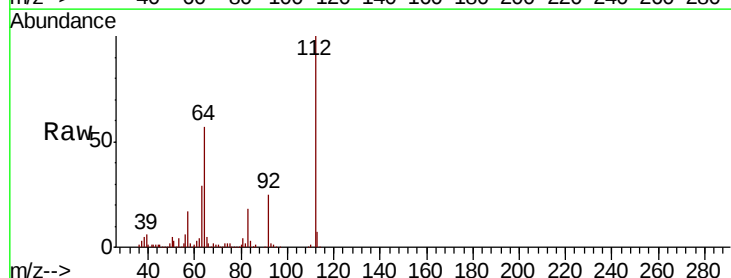
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



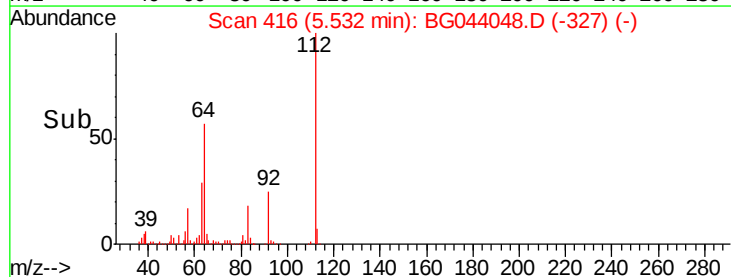
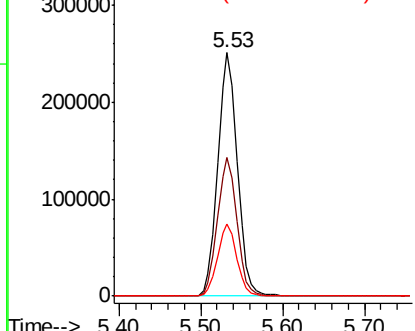
#5

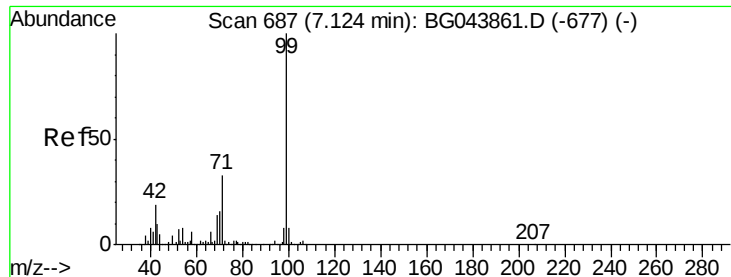
2-Fluorophenol
Concen: 50.574 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.8	71.6
63	29.5	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 50.133 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Instrument :

BNA_G

ClientSampleId :

BU-RO-229

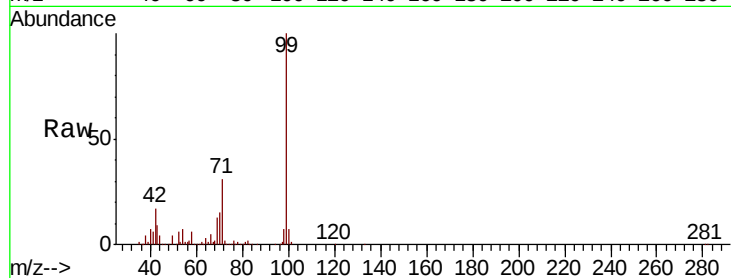
Tot Ion: 99 Resp: 580928

Ion Ratio Lower Upper

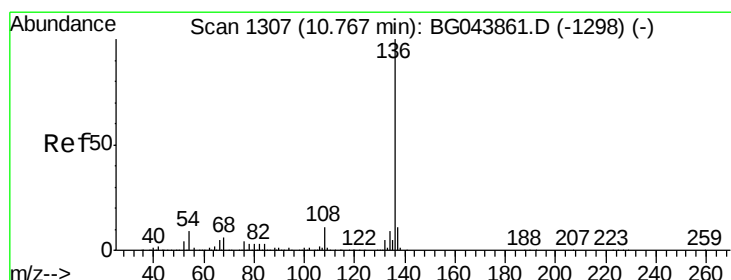
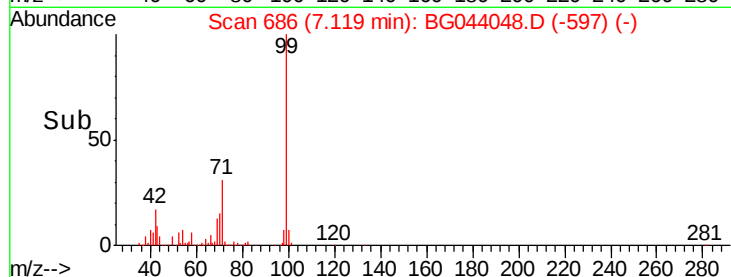
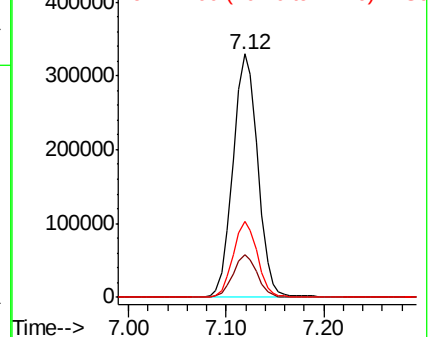
99 100

42 17.3 14.9 22.3

71 31.1 26.4 39.6



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: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Tgt Ion: 136 Resp: 625500

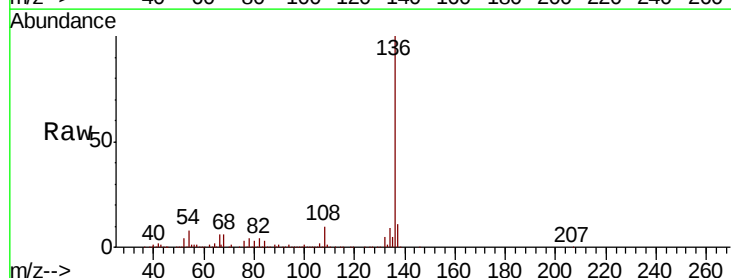
Ion Ratio Lower Upper

136 100

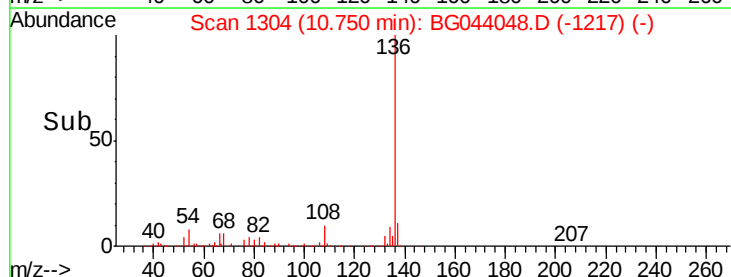
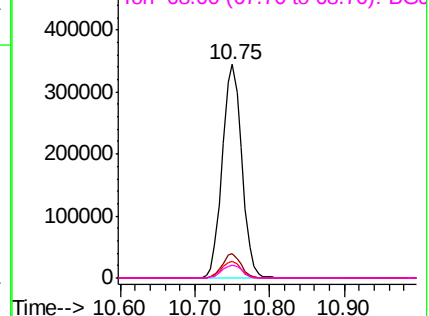
137 11.4 8.8 13.2

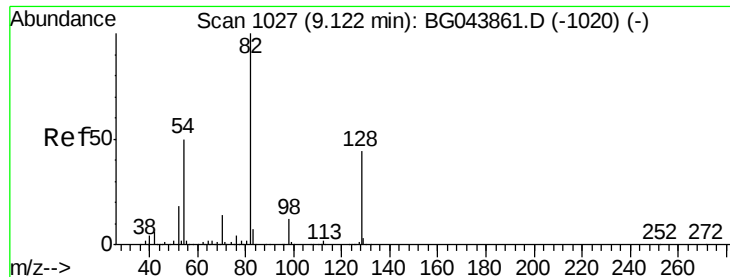
54 7.9 7.0 10.4

68 6.2 4.9 7.3



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

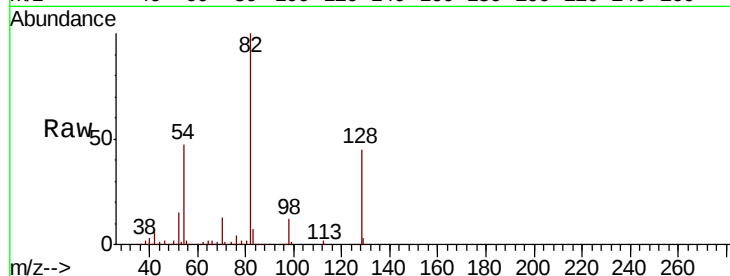




#23
Nitrobenzene-d5
Concen: 28.519 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Instrument :
BNA_G
ClientSampleID :
BU-RO-229

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.1	52.7
54	47.0	40.1	60.1

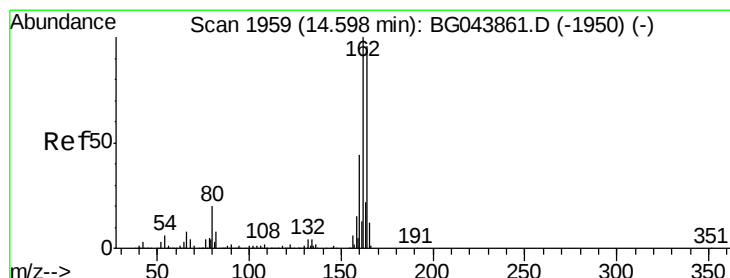
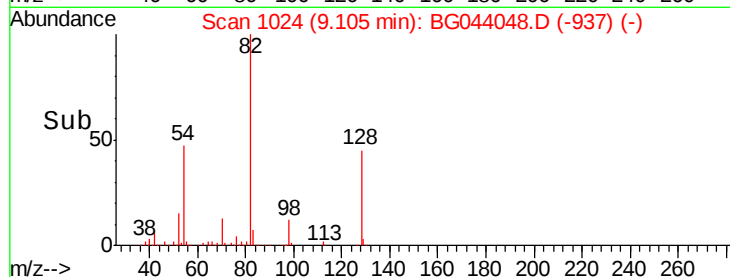
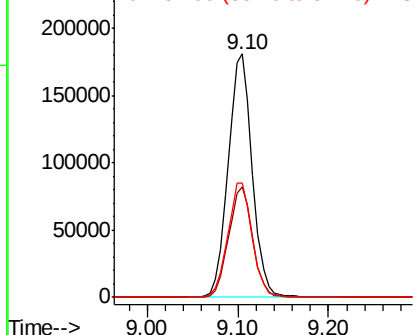


Abundance

Ion 82.00 (81.70 to 82.70): BGC

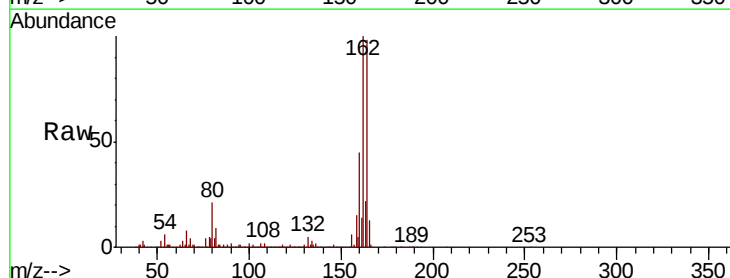
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.0	124.4
160	45.6	36.1	54.1

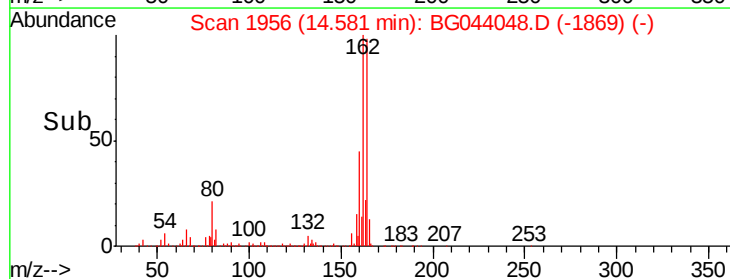
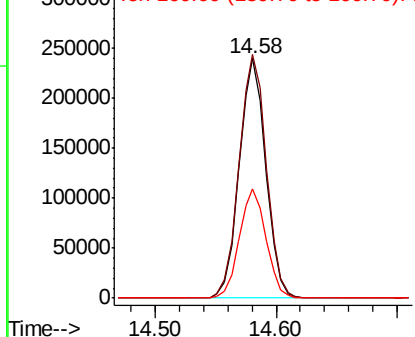


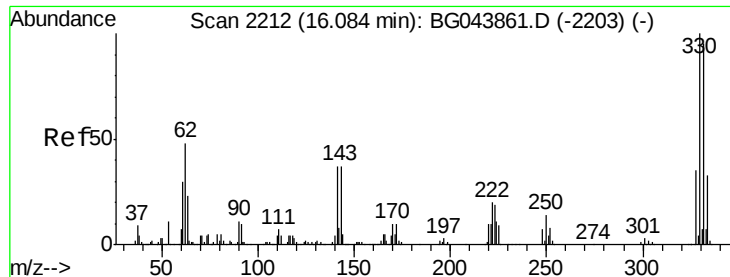
Abundance

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

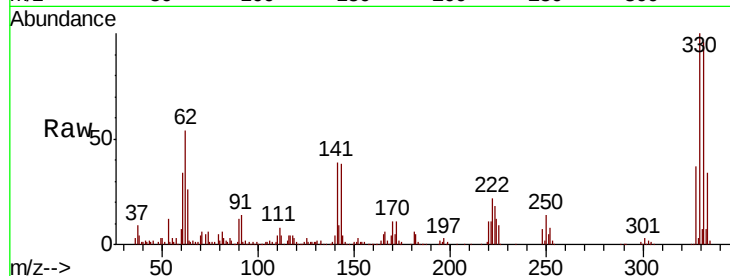




#42
 2,4,6-Tribromophenol
 Concen: 45.300 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044048.D
 Acq: 14 Jan 2020 22:42

Instrument :
 BNA_G
 ClientSampled :
 BU-RO-229

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	39.0	33.1	49.7

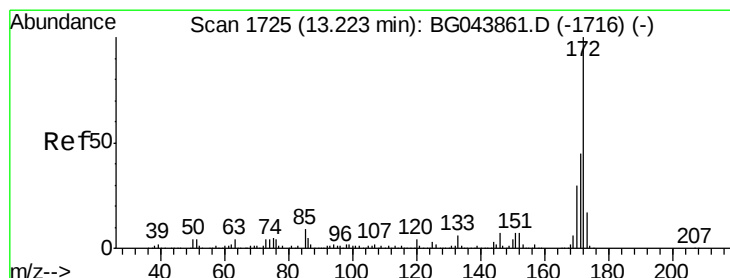
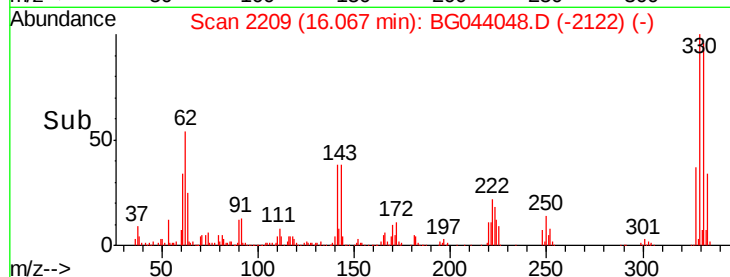
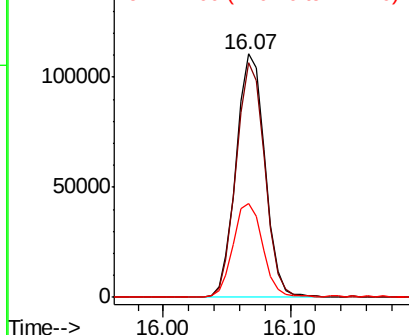


Abundance

Ion 329.80 (329.50 to 330.50): E

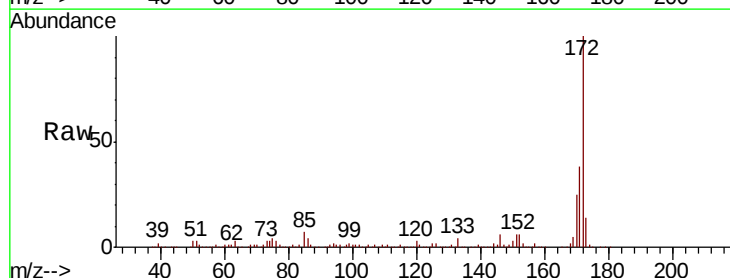
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.122 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044048.D
 Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	35.8	53.8
170	25.5	24.2	36.4

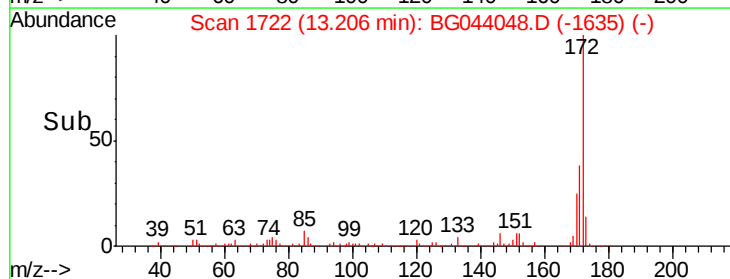
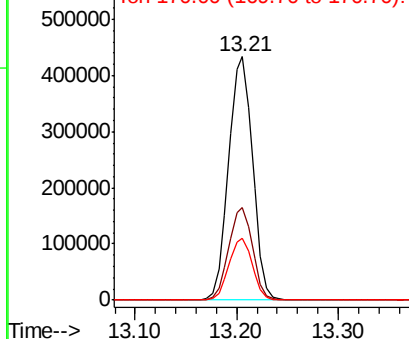


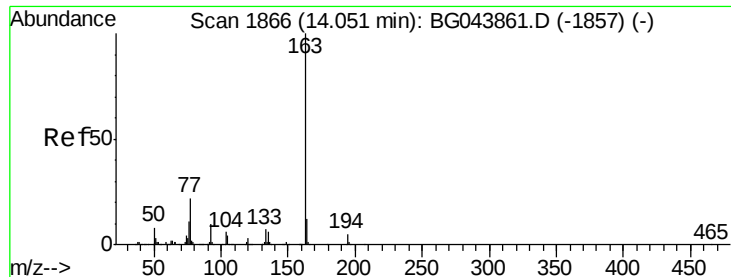
Abundance

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

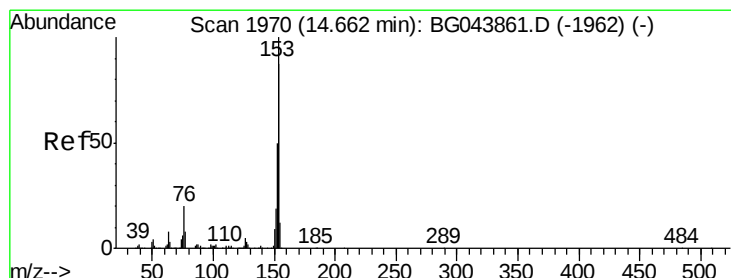
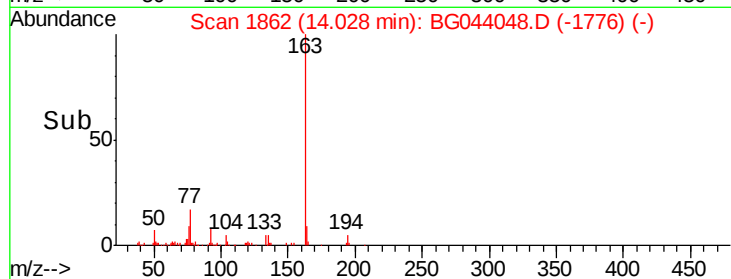
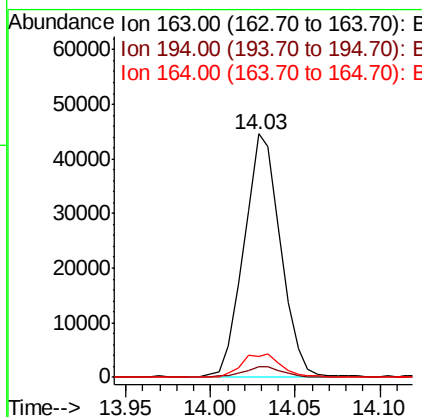
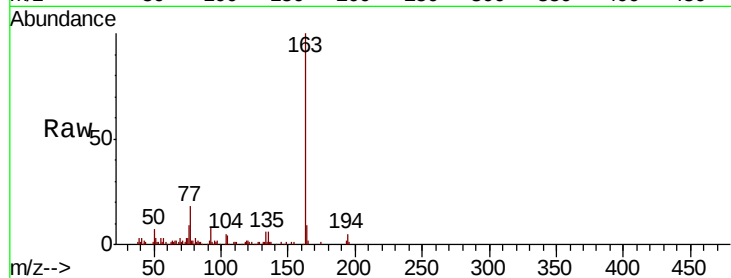




#50
Dimethylphthalate
Concen: 2.582 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.02 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

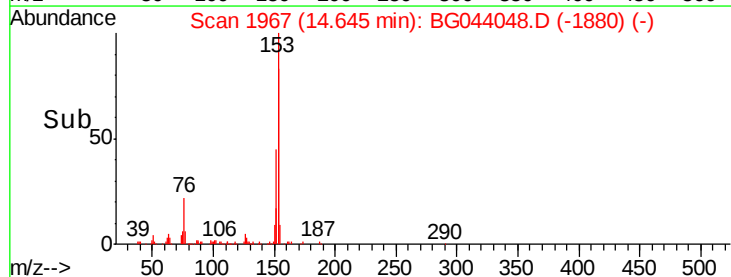
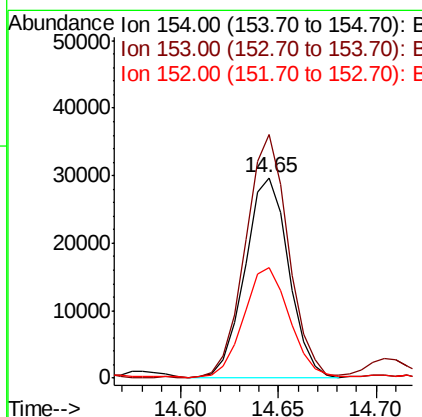
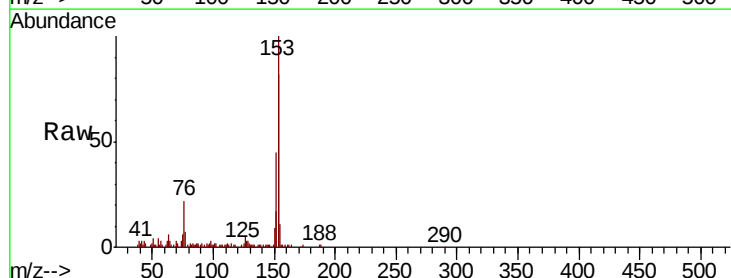
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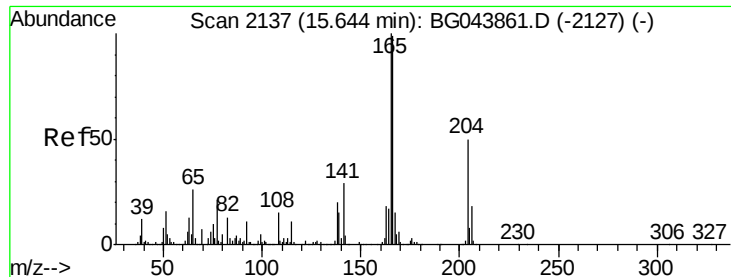
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.7	5.5
164	8.6	9.3	13.9#



#52
Acenaphthene
Concen: 2.158 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.02 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.5	91.6	137.4
152	55.1	45.4	68.0

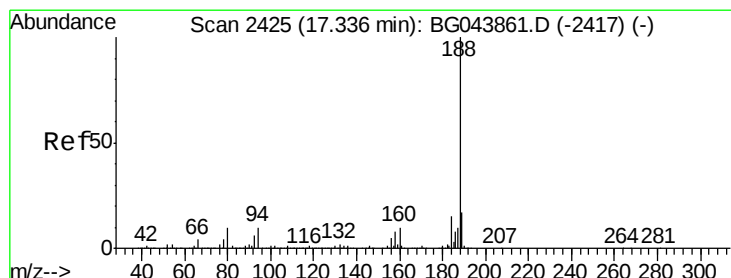
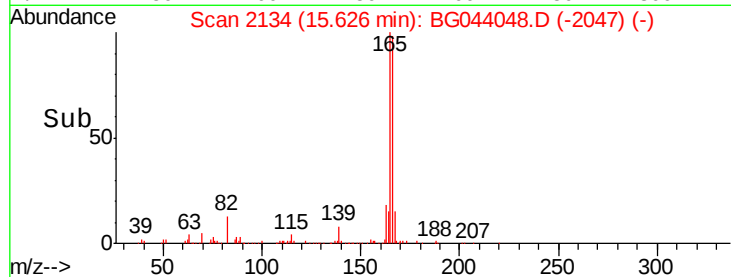
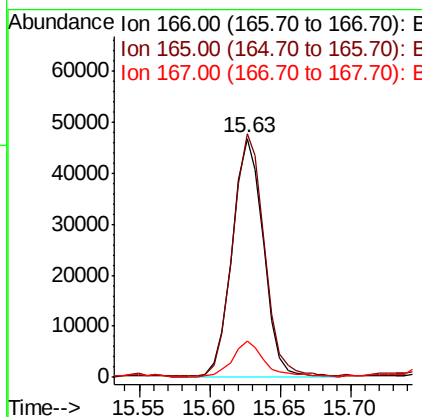
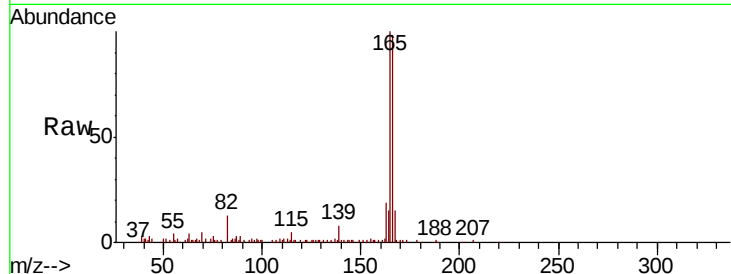




#58
 Fluorene
 Concen: 3.089 ng
 RT: 15.63 min Scan# 2134
 Delta R.T. -0.02 min
 Lab File: BG044048.D
 Acq: 14 Jan 2020 22:42

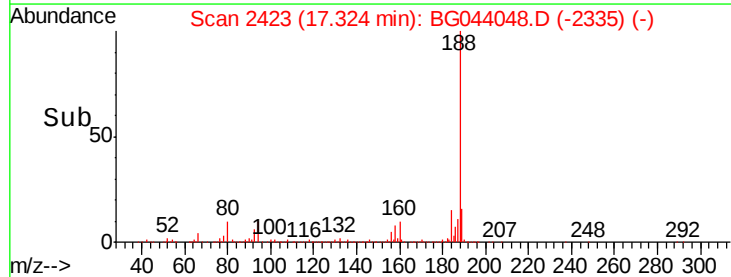
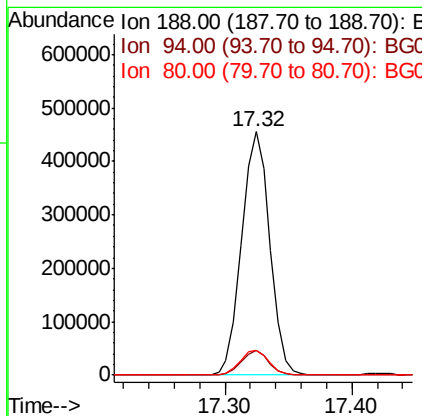
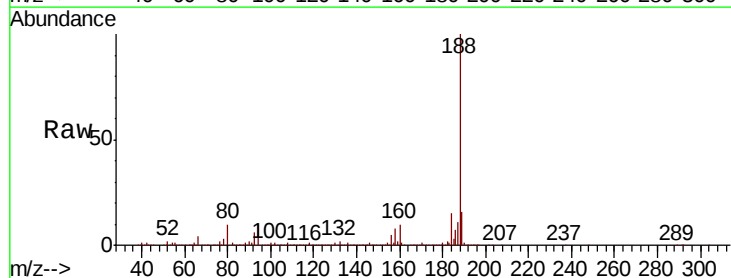
Instrument :
 BNA_G
 ClientSampleId :
 BU-RO-229

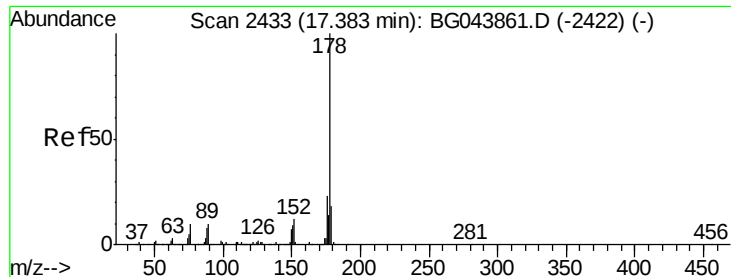
Tot Ion	Ratio	Lower	Upper
166	100		
165	102.0	80.8	121.2
167	15.3	12.1	18.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044048.D
 Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.9	11.9
80	10.3	8.2	12.4

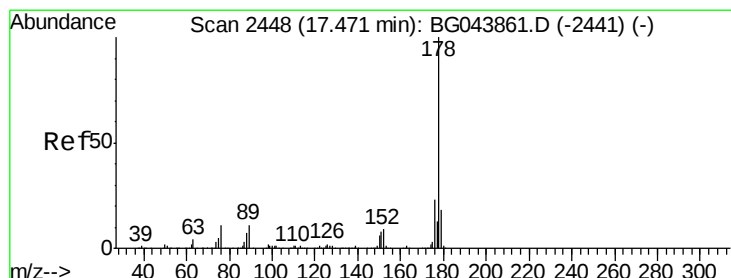
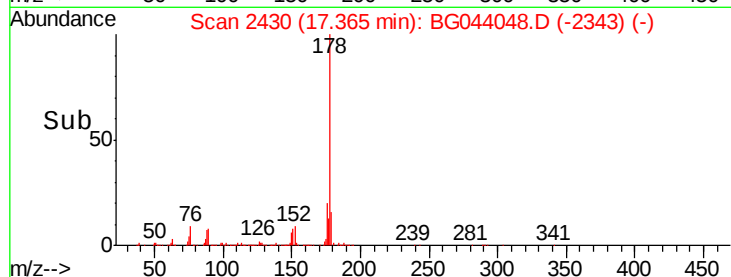
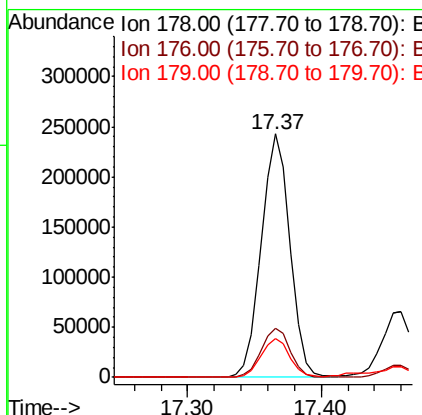
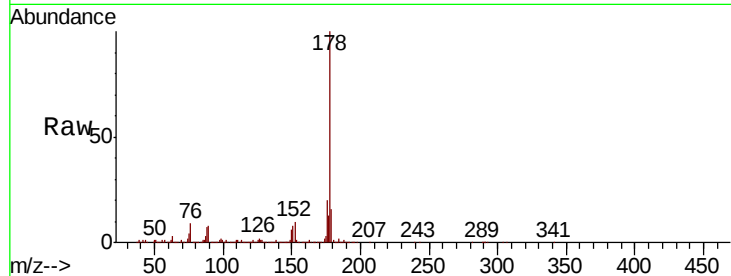




#71
Phenanthrene
Concen: 10.745 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

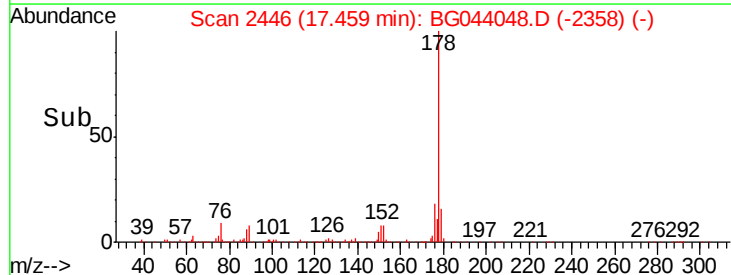
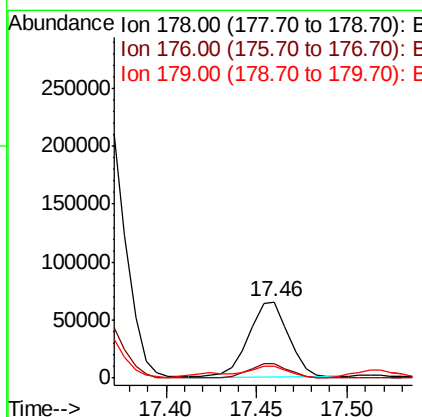
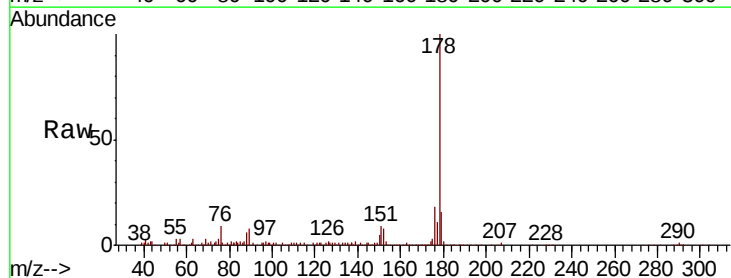
Instrument :
BNA_G
ClientSampleId :
BU-RO-229

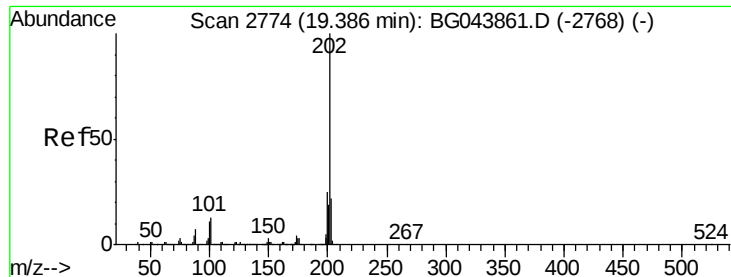
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	18.6	28.0
179	15.8	14.4	21.6



#72
Anthracene
Concen: 3.000 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	18.3	27.5
179	16.1	14.6	22.0





#75

Fluoranthene

Concen: 9.786 ng

RT: 19.38 min Scan# 2773

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Instrument :

BNA_G

ClientSampleId :

BU-RO-229

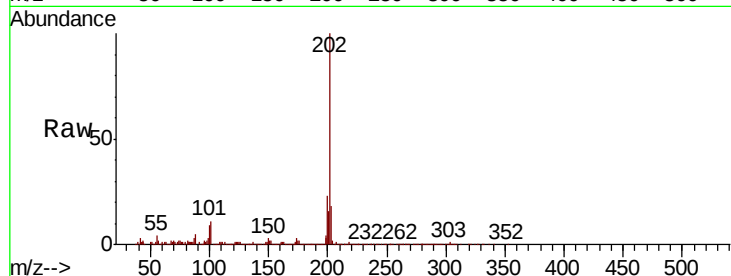
Tot Ion:202 Resp: 375653

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.3

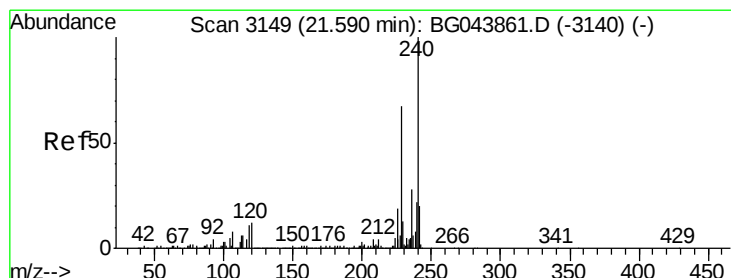
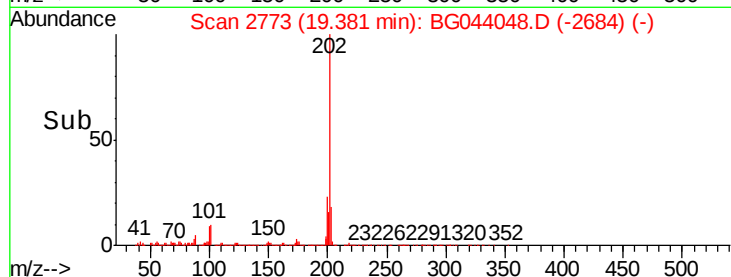
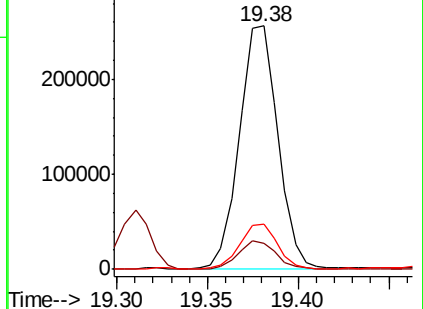
203 18.3 1.6 41.6



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: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

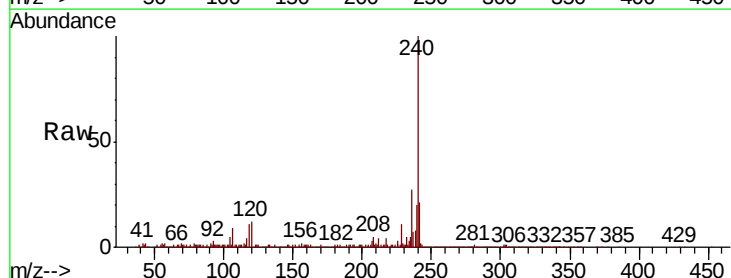
Tgt Ion:240 Resp: 592741

Ion Ratio Lower Upper

240 100

120 12.4 9.6 14.4

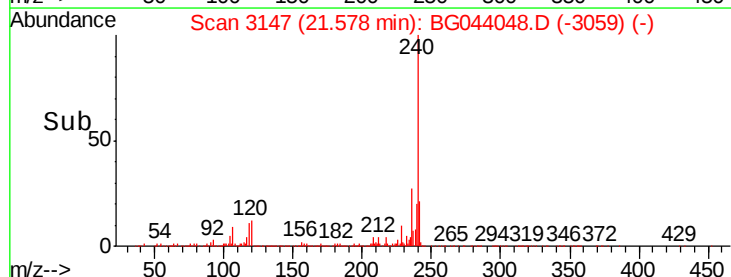
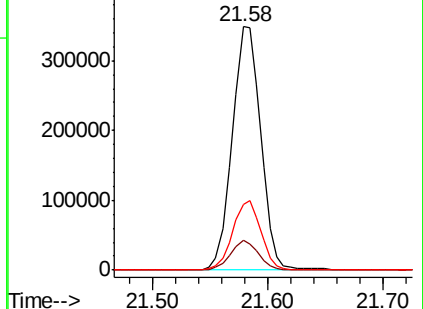
236 27.2 22.2 33.2

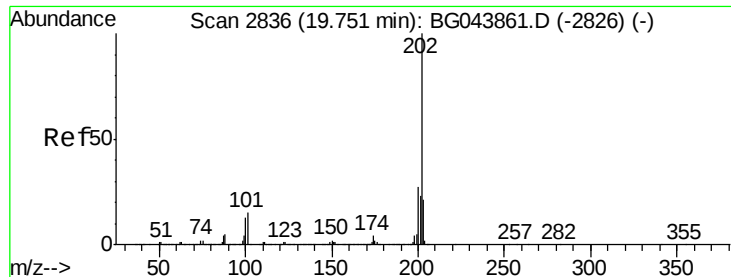


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

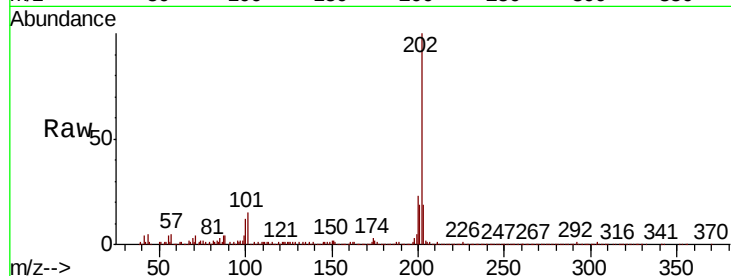




#78
Pvrene
Concen: 8.717 ng
RT: 19.74 min Scan# 2834
Delta R.T. -0.01 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Instrument :
BNA_G
ClientSampleId :
BU-RO-229

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.2	21.7	32.5
203	18.7	17.0	25.6

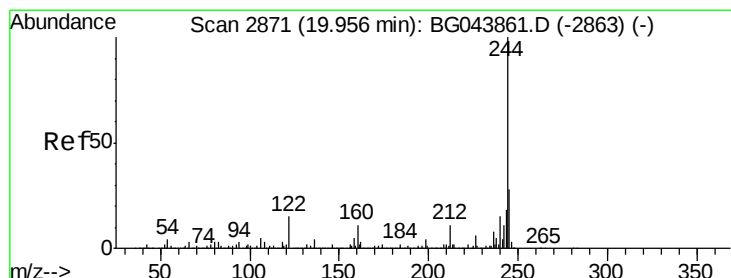
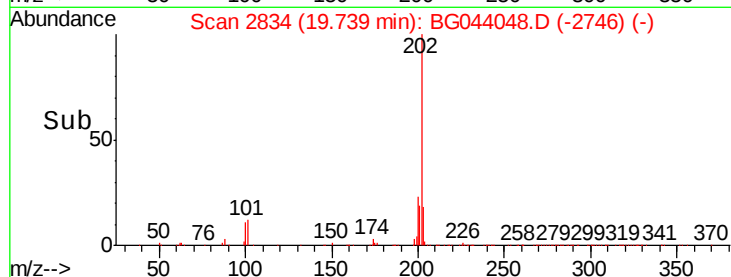
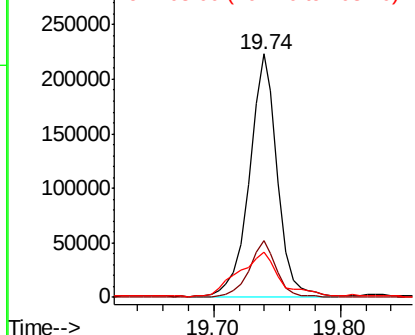


Abundance

Ion 202.00 (201.70 to 202.70): E

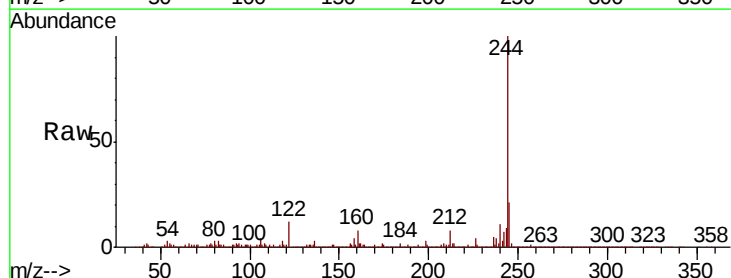
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 26.400 ng
RT: 19.94 min Scan# 2869
Delta R.T. -0.01 min
Lab File: BG044048.D
Acq: 14 Jan 2020 22:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	8.6	13.0#
122	11.8	11.9	17.9#

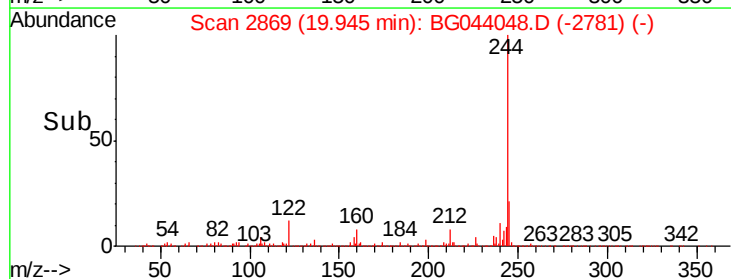
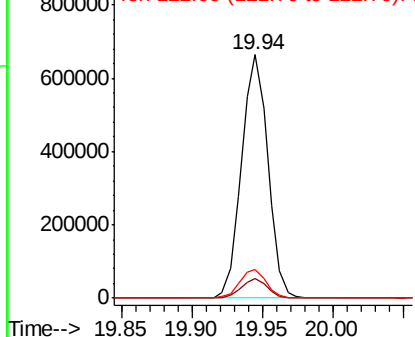


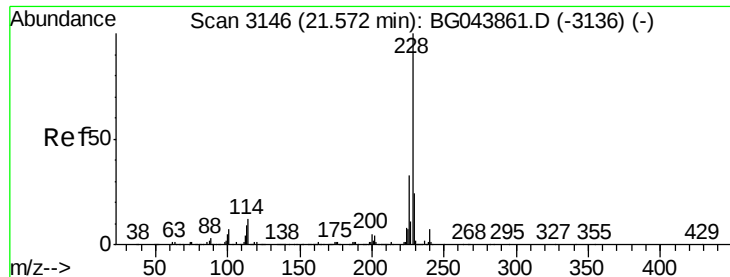
Abundance

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: 4.776 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Instrument :

BNA_G

ClientSampleId :

BU-RO-229

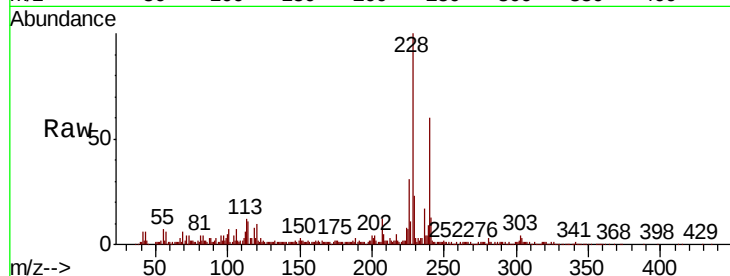
Tot Ion:228 Resp: 175548

Ion Ratio Lower Upper

228 100

226 30.6 26.2 39.4

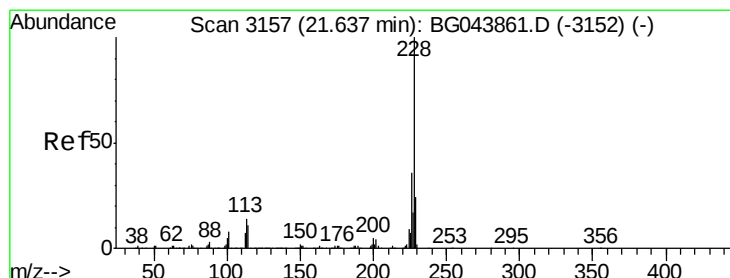
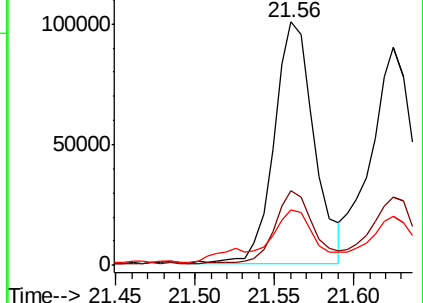
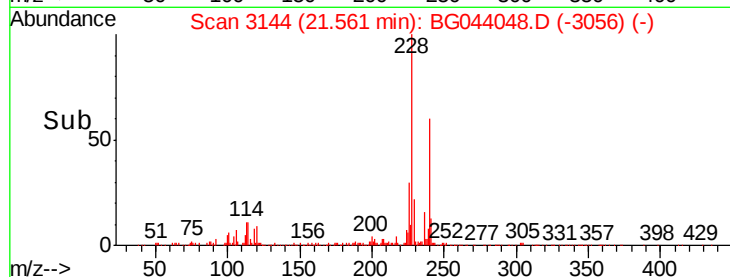
229 22.9 18.9 28.3



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: 4.763 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

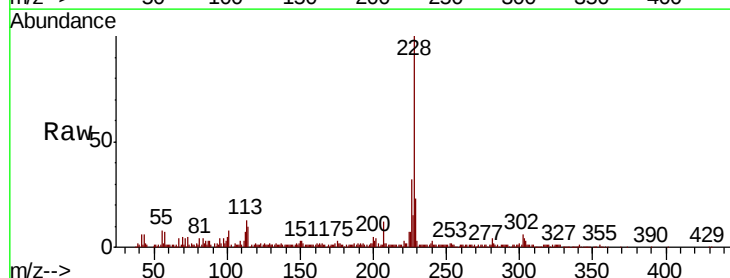
Tgt Ion:228 Resp: 166333

Ion Ratio Lower Upper

228 100

226 31.6 28.8 43.2

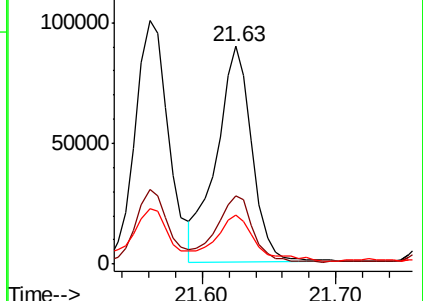
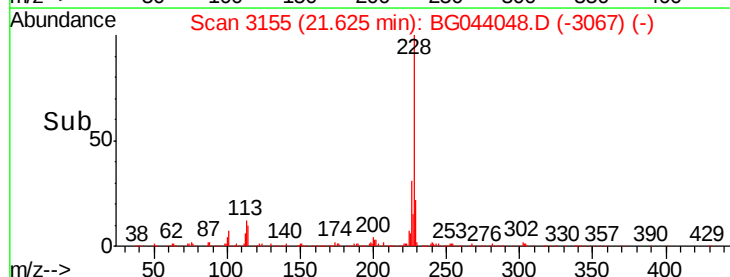
229 22.7 19.0 28.6

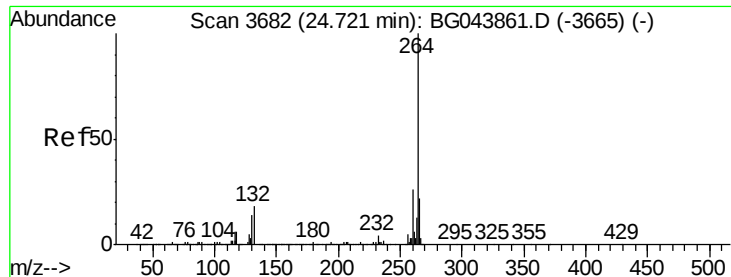


Abundance Ion 228.00 (227.70 to 228.70): E

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: 24.73 min Scan# 3683

Delta R.T. 0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Instrument :

BNA_G

ClientSampleId :

BU-RO-229

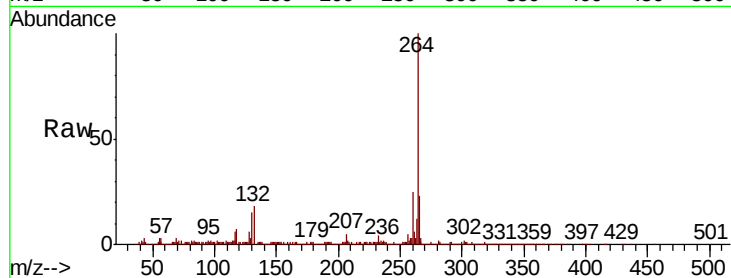
Tot Ion:264 Resp: 676893

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 22.9 17.4 26.2

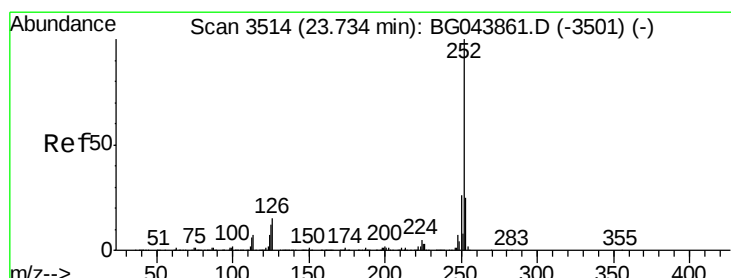
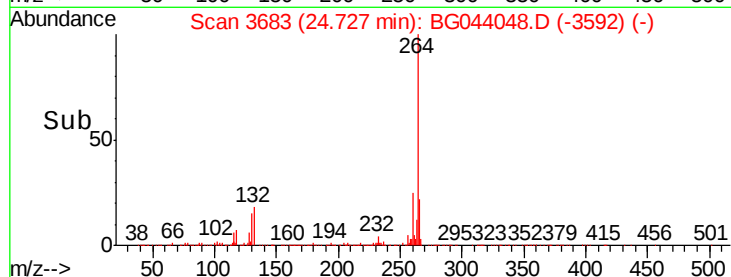
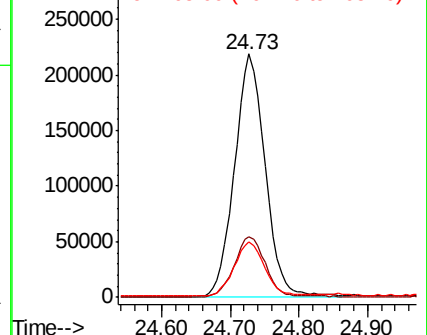


Abundance

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: 4.935 ng

RT: 23.73 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

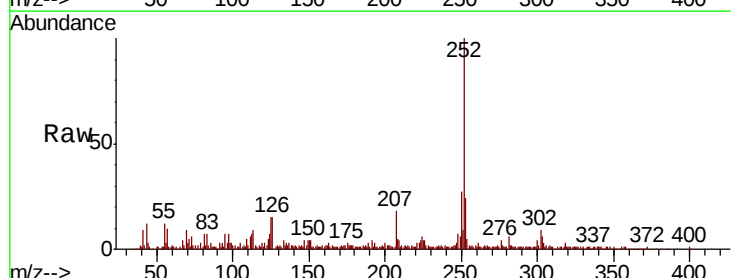
Tgt Ion:252 Resp: 197476

Ion Ratio Lower Upper

252 100

253 23.6 19.7 29.5

125 14.7 9.4 14.2#

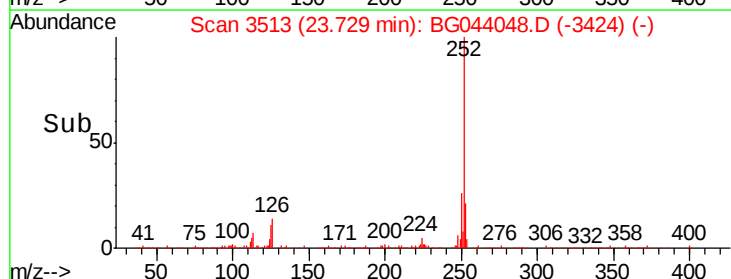
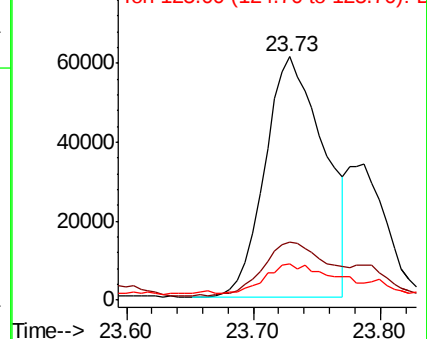


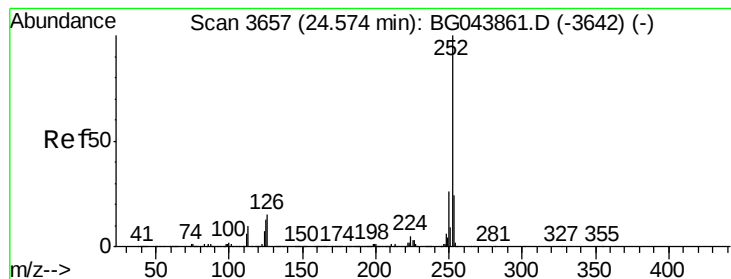
Abundance

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





#90

Benzo(a)pyrene

Concen: 3.999 ng

RT: 24.57 min Scan# 3657

Delta R.T. 0.00 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

Instrument :

BNA_G

ClientSampled :

BU-RO-229

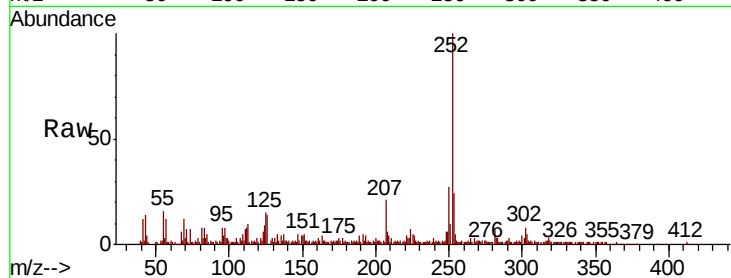
Tot Ion:252 Resp: 151050

Ion Ratio Lower Upper

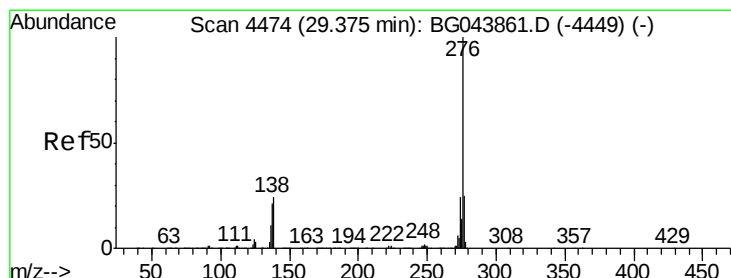
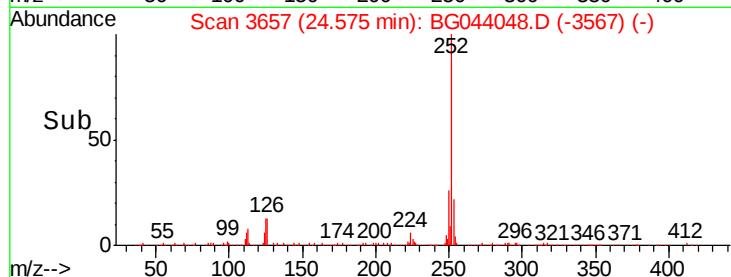
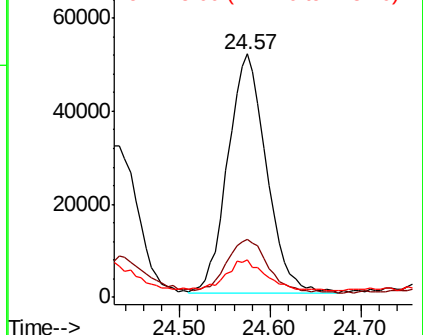
252 100

253 23.9 19.3 28.9

125 15.2 10.4 15.6



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(g,h,i)perylene

Concen: 2.015 ng

RT: 29.43 min Scan# 4483

Delta R.T. 0.05 min

Lab File: BG044048.D

Acq: 14 Jan 2020 22:42

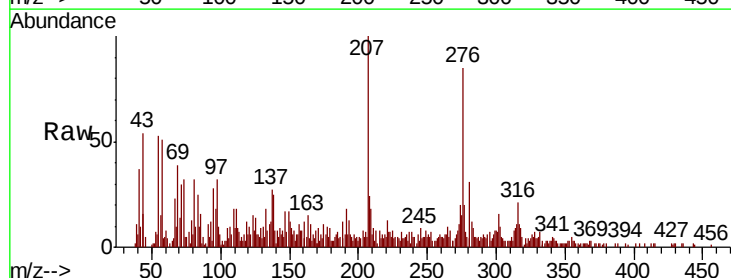
Tgt Ion:276 Resp: 75919

Ion Ratio Lower Upper

276 100

277 23.0 20.2 30.4

138 29.5 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

