

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102020\
 Data File : BG046996.D
 Acq On : 20 Oct 2020 12:17
 Operator : CG/JU
 Sample : L4425-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X2P72

Quant Time: Oct 20 12:54:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 20 10:59:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	49887	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	211290	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	155878	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	363840	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	364156	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	365488	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	7588	6.75	ng/uL	0.00
5) Phenol-d5	7.22	99	163777	37.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	90110	35.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	120270	36.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	128897	36.68	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	61627	34.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	73489	35.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	144954	36.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	136487	29.55	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	471958	36.45	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	550845	37.32	ng/ul	0.00
52) 4-Nitrophenol-d4	14.88	143	73614	32.98	ng/ul	0.00
58) Fluorene-d10	15.69	176	420407	35.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	78856	31.47	ng/ul	0.00
71) Anthracene-d10	17.54	188	657529	37.31	ng/ul	0.00
79) Pyrene-d10	19.82	212	782645	39.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	766983	37.26	ng/ul	0.00

Target Compounds

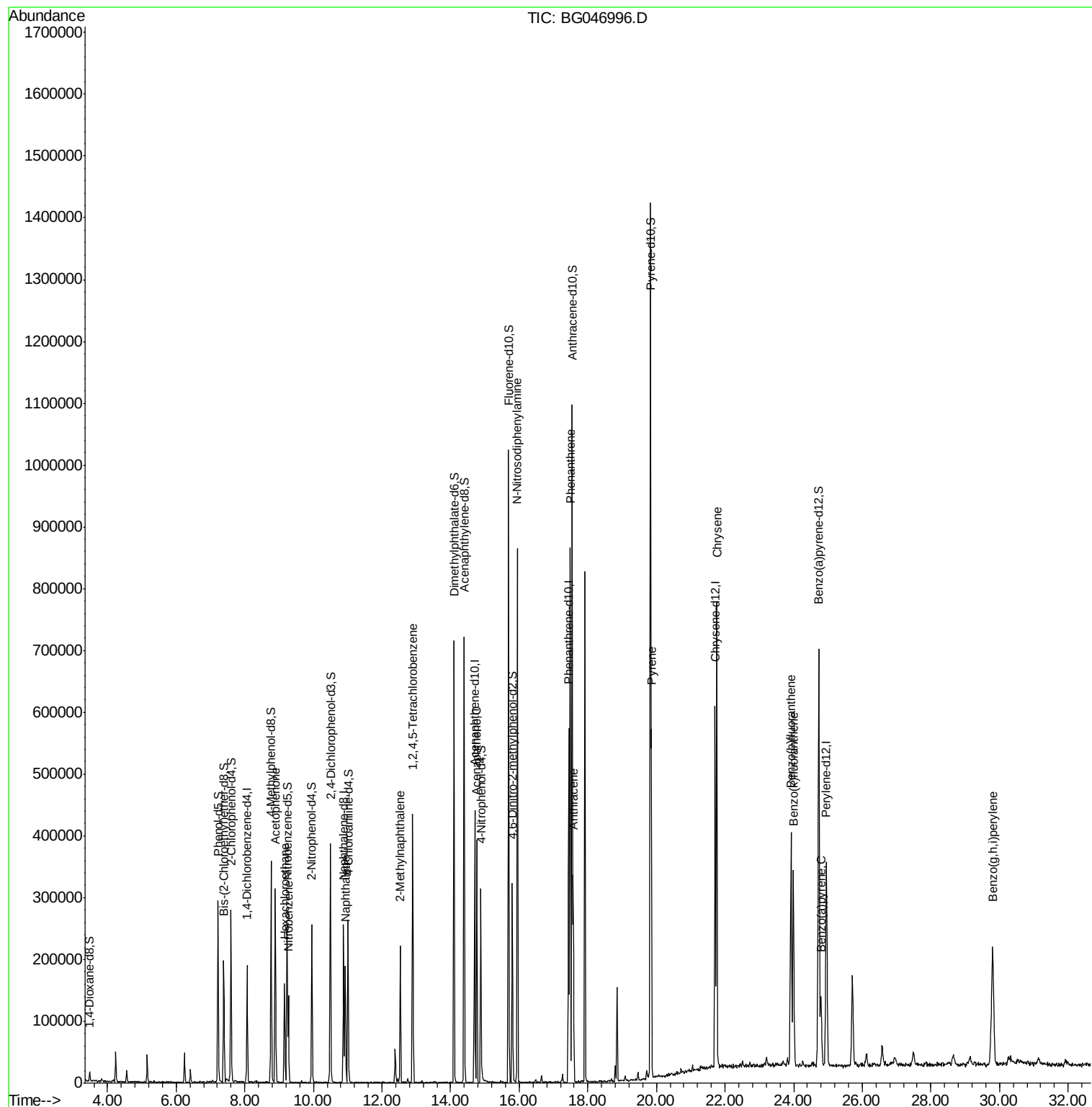
					Ovalue
14) Acetophenone	8.89	105	166011	29.449	ng/ul 97
17) Hexachloroethane	9.15	117	29400	19.466	ng/ul 90
20) Nitrobenzene	9.27	77	79762	16.461	ng/ul 98
28) Naphthalene	10.93	128	152246	12.487	ng/ul 97
34) 2-Methylnaphthalene	12.53	142	105158	11.731	ng/ul 97
37) 1,2,4,5-Tetrachlorobenzene	12.90	216	152448	25.078	ng/ul 94
50) Acenaphthene	14.76	153	165162	15.787	ng/ul 97
65) N-Nitrosodiphenylamine	15.95	169	342909	32.118	ng/ul 98
70) Phenanthrene	17.49	178	541395	26.005	ng/ul 100
72) Anthracene	17.57	178	218877	10.408	ng/ul 96
80) Pyrene	19.85	202	340270	13.807	ng/ul 99
85) Chrysene	21.76	228	503031	20.744	ng/ul 99
88) Benzo(b)fluoranthene	23.92	252	415397	16.385	ng/ul 98
89) Benzo(k)fluoranthene	23.99	252	321720	13.159	ng/ul 97
91) Benzo(a)pyrene	24.79	252	124806	5.476	ng/ul 98
94) Benzo(g,h,i)perylene	29.80	276	392599	16.750	ng/ul 99

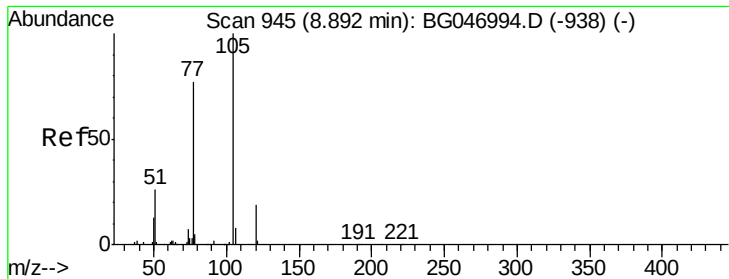
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#14

Acetophenone

Concen: 29.449 ng/ul

RT: 8.89 Instrument:

Delta R.T. BNA_G

Lab File: ClientSampleId:

Acq: 20 Oct 2020 12:17 X2P72

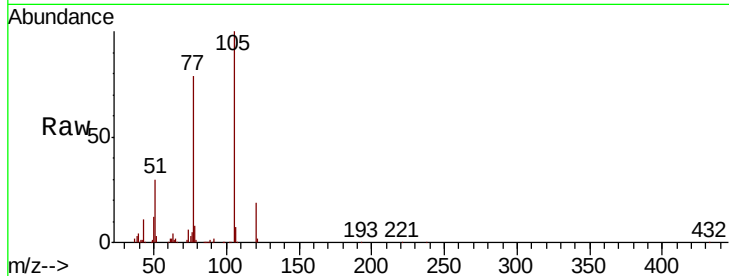
Tot Ion:105 Resp: 166011

Ion Ratio Lower Upper

105 100

77 79.1 64.7 97.1

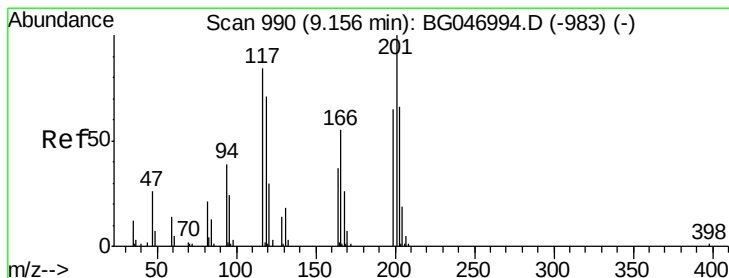
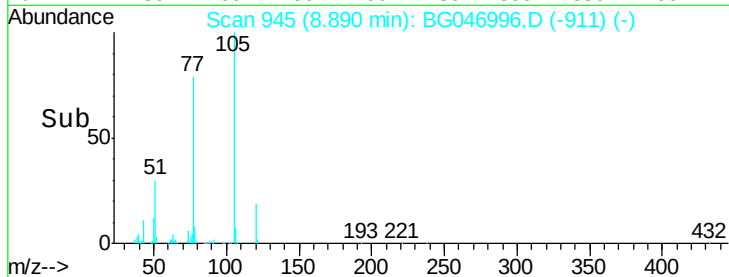
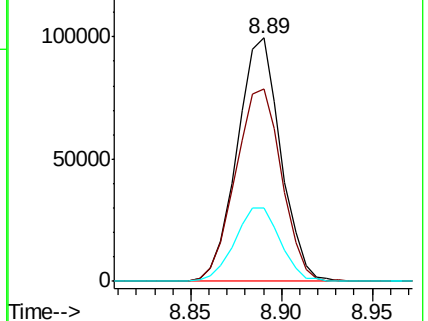
51 29.9 26.5 39.7



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#17

Hexachloroethane

Concen: 19.466 ng/ul

RT: 9.15 min Scan# 990

Delta R.T. -0.00 min

Lab File: BG046996.D

Acq: 20 Oct 2020 12:17

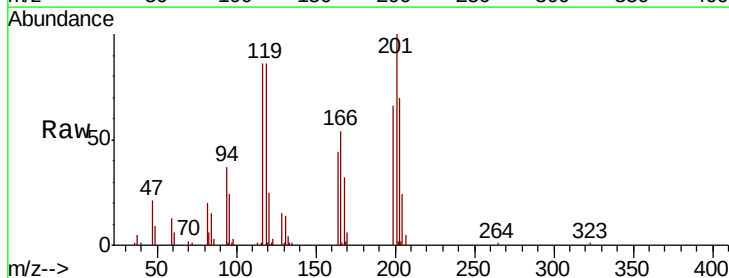
Tgt Ion:117 Resp: 29400

Ion Ratio Lower Upper

117 100

201 118.5 105.7 158.5

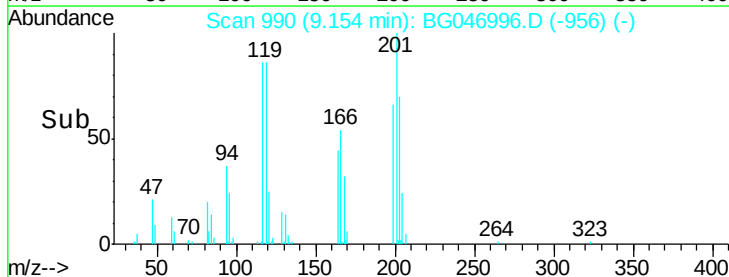
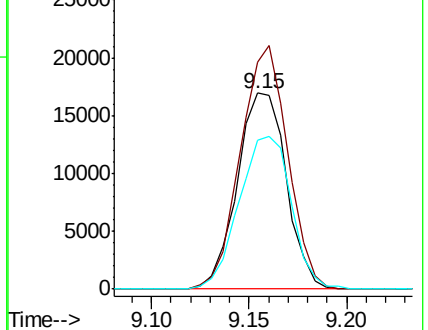
199 75.9 66.6 99.8

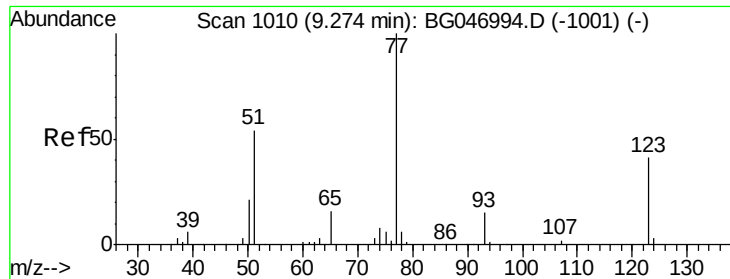


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

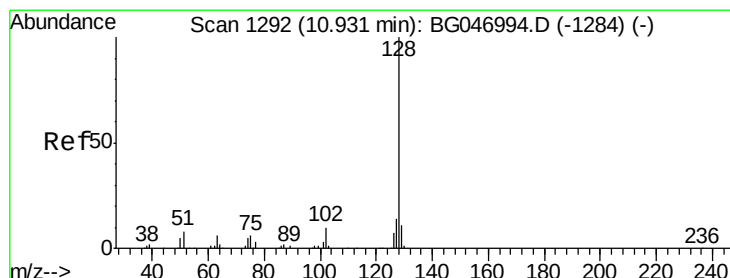
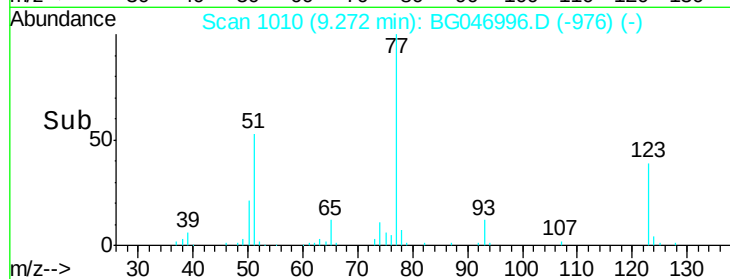
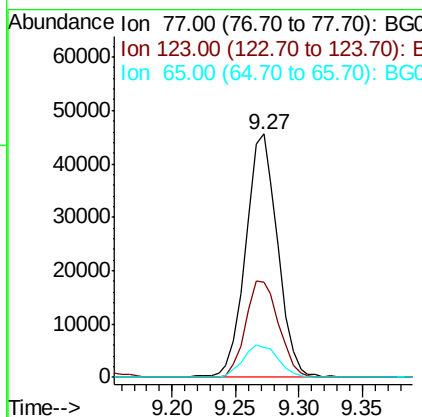
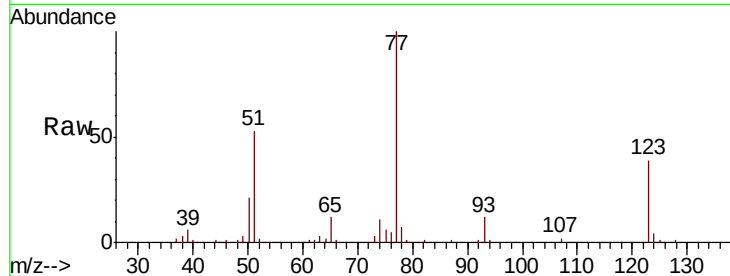
Ion 199.00 (198.70 to 199.70): E





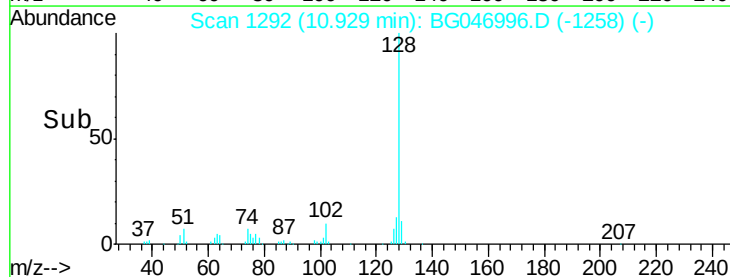
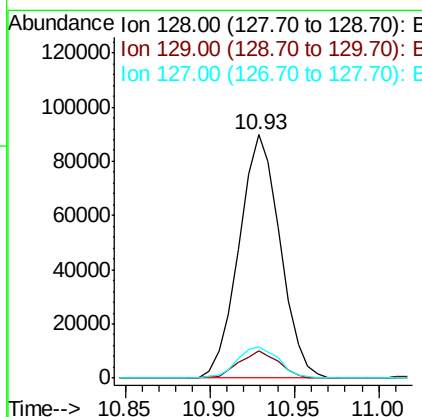
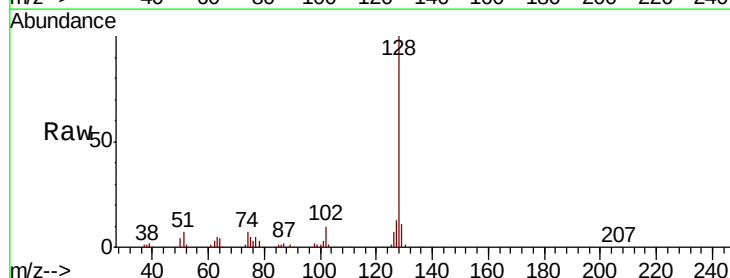
#20
 Nitrobenzene
 Concen: 16.461 ng/ul
 RT: 9.27 min
 Delta R.T. BNA_G
 Lab File: ClientSampleId :
 Acq: 20 Oct 2020 12:17

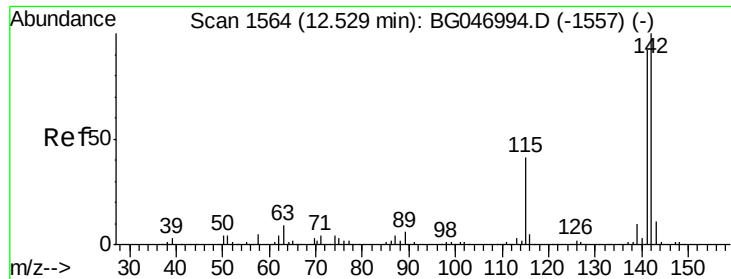
Tot Ion	Ratio	Lower	Upper
77	100		
123	39.1	31.8	47.6
65	12.2	11.0	16.6



#28
 Naphthalene
 Concen: 12.487 ng/ul
 RT: 10.93 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BG046996.D
 Acq: 20 Oct 2020 12:17

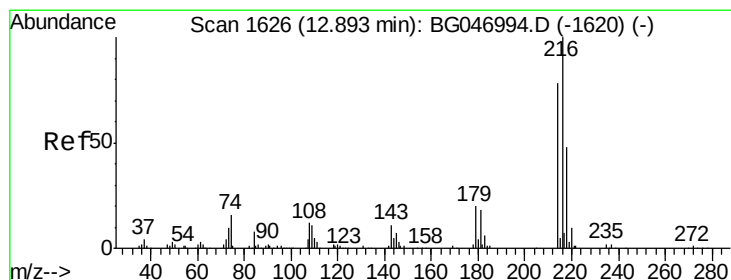
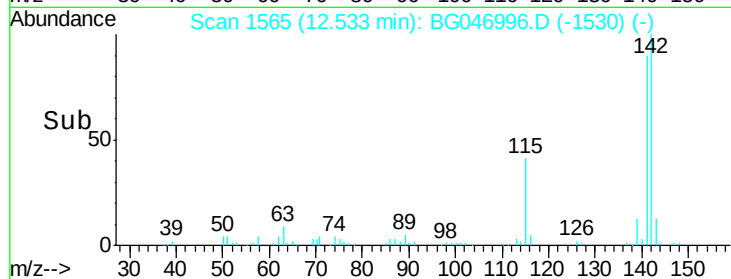
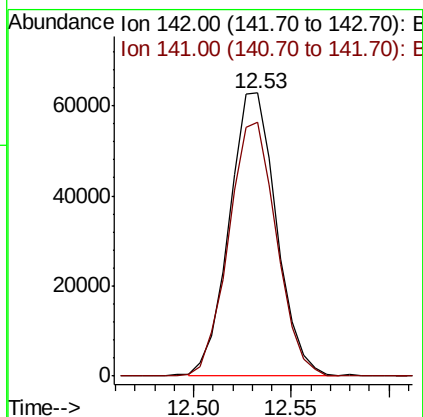
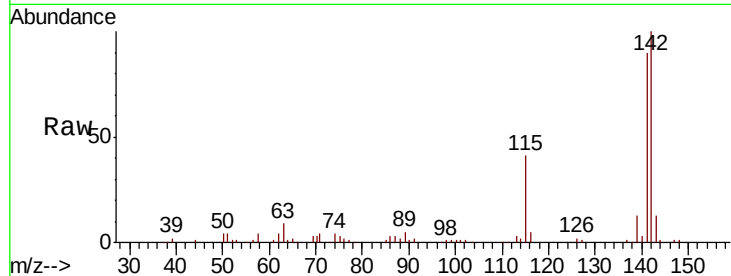
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.6
127	12.6	11.0	16.4





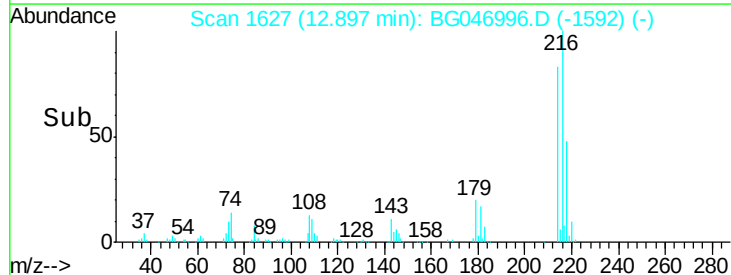
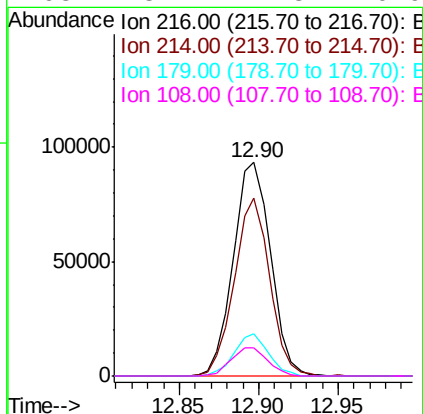
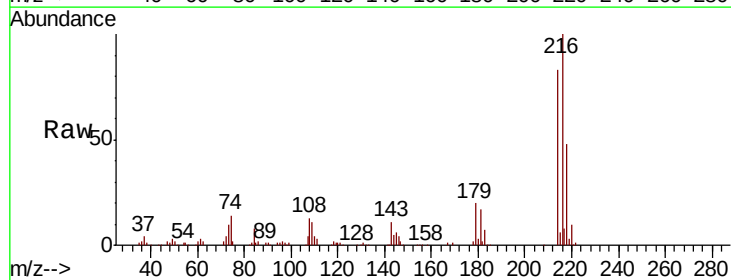
#34
 2-Methylnaphthalene
 Concen: 11.731 ng/ul
 RT: 12.53 min
 Delta R.T. BNA_G
 Lab File: ClientSampleId :
 X2P72
 Acq: 20 Oct 2020 12:17

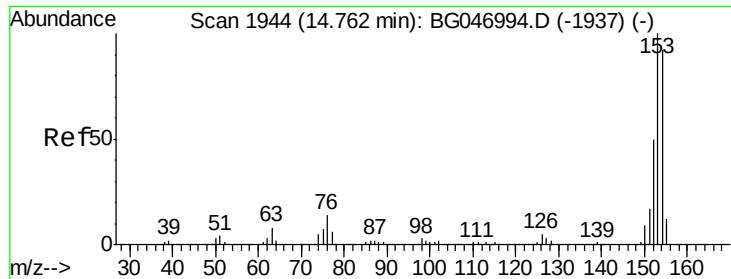
Tot Ion:142 Resp: 105158
 Ion Ratio Lower Upper
 142 100
 141 89.7 69.6 104.4



#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 25.078 ng/ul
 RT: 12.90 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: BG046996.D
 Acq: 20 Oct 2020 12:17

Tgt Ion:216 Resp: 152448
 Ion Ratio Lower Upper
 216 100
 214 83.4 61.9 92.9
 179 19.9 15.0 22.6
 108 13.2 11.3 16.9





#50

Acenaphthene

Concen: 15.787 ng/ul

RT: 14.76

Delta R.T. BNA_G

Lab File: ClientSampleId:

Acq: 20 Oct 2020 12:17

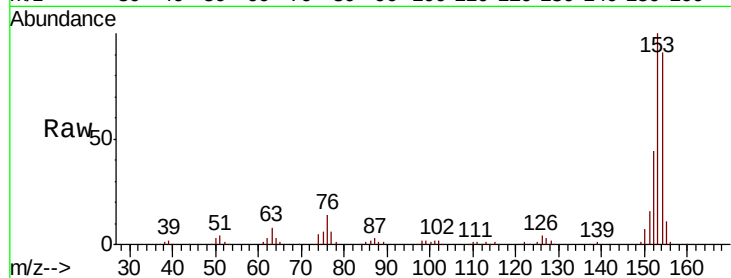
Tot Ion:153 Resp: 165162

Ion Ratio Lower Upper

153 100

152 44.4 39.0 58.6

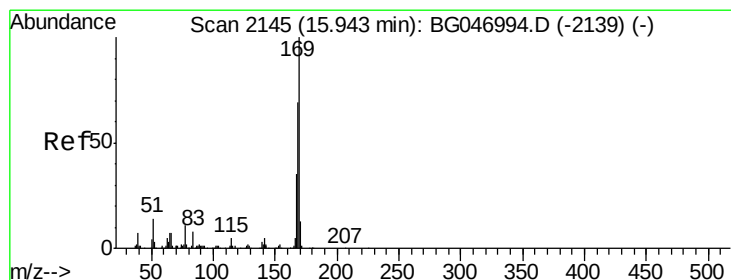
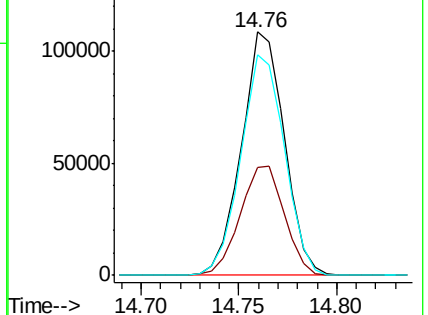
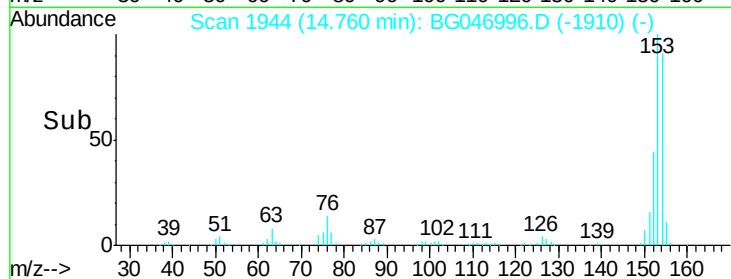
154 90.7 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#65

N-Nitrosodiphenylamine

Concen: 32.118 ng/ul

RT: 15.95 min Scan# 2146

Delta R.T. 0.00 min

Lab File: BG046996.D

Acq: 20 Oct 2020 12:17

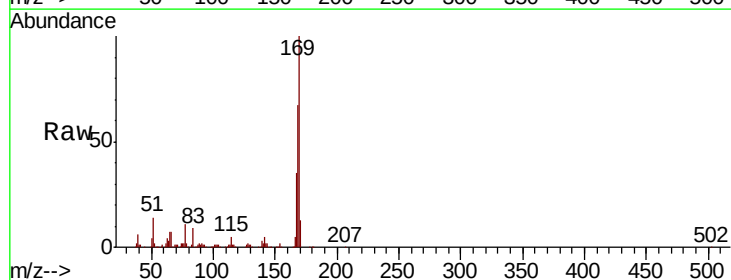
Tgt Ion:169 Resp: 342909

Ion Ratio Lower Upper

169 100

168 66.9 52.4 78.6

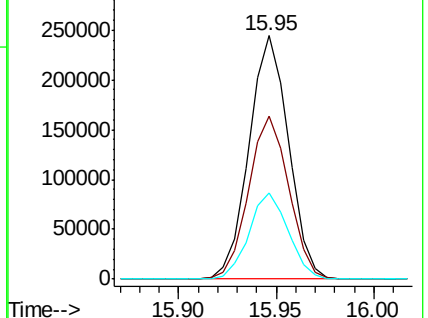
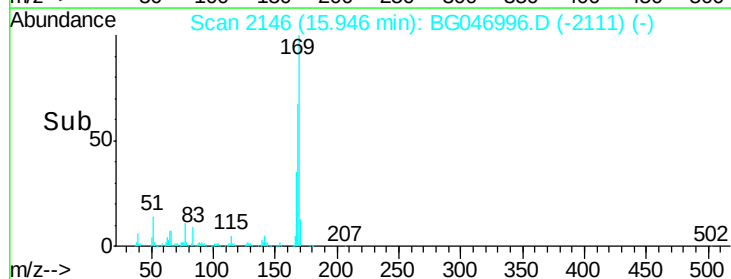
167 35.3 26.5 39.7

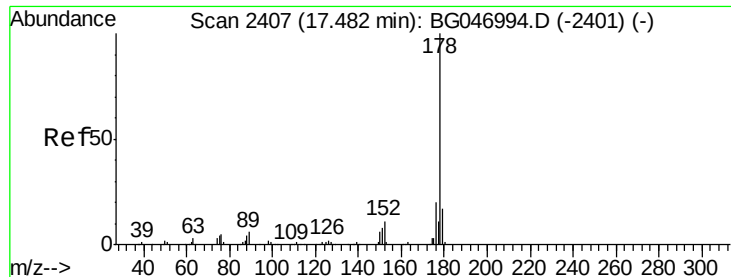


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

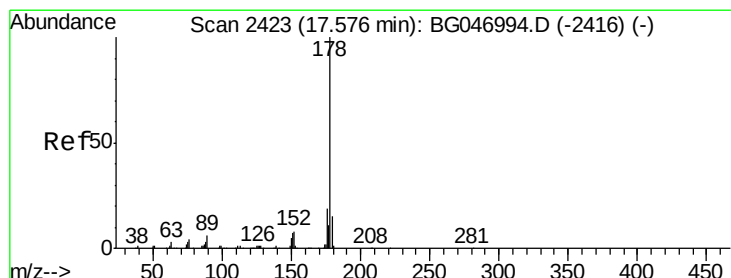
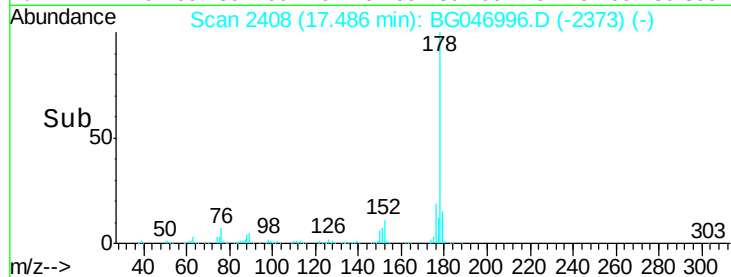
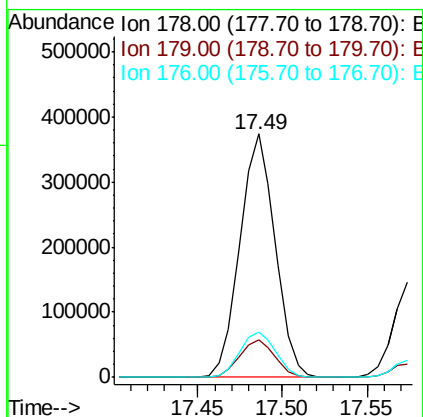
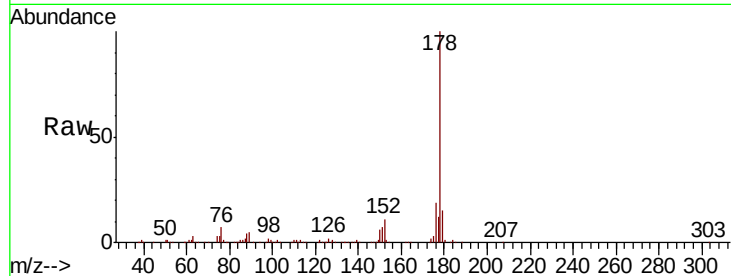
Ion 167.00 (166.70 to 167.70): E





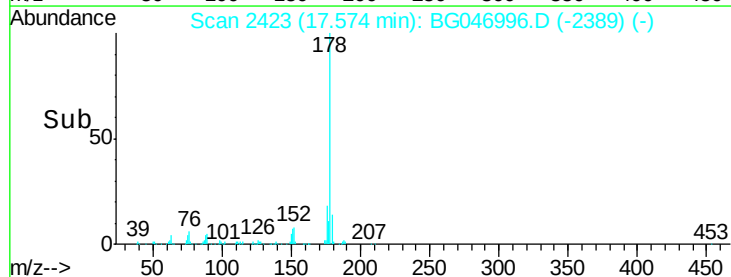
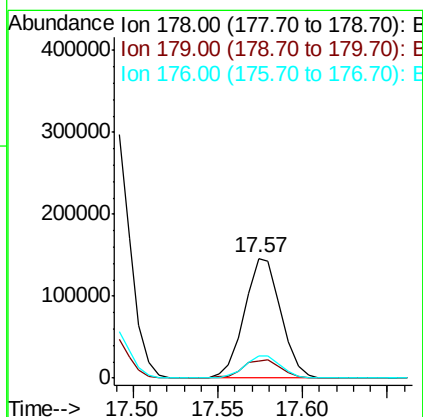
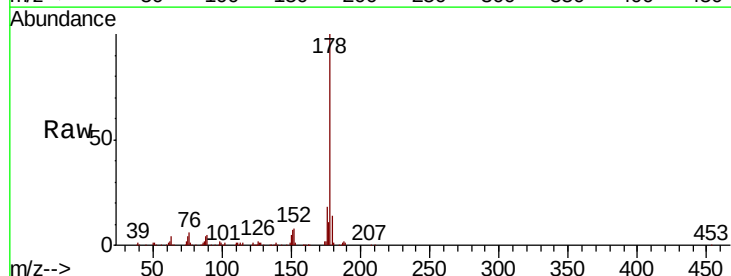
#70
 Phenanthrene
 Concen: 26.005 ng/ul
 RT: 17.49
 Delta R.T. BNA_G
 Lab File: ClientSampleId :
 Acq: 20 Oct 2020 12:17

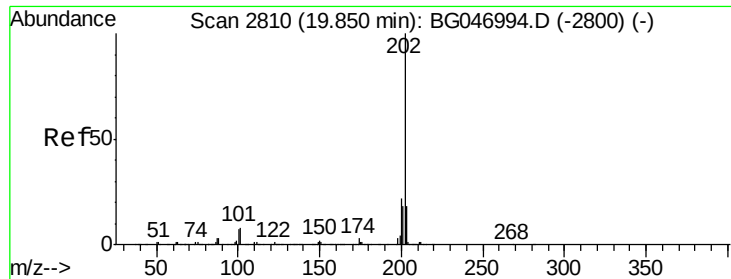
Tot Ion	178	Resp	541395
Ion Ratio	100	Lower	Upper
179	15.5	12.5	18.7
176	18.7	15.0	22.4



#72
 Anthracene
 Concen: 10.408 ng/ul
 RT: 17.57 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BG046996.D
 Acq: 20 Oct 2020 12:17

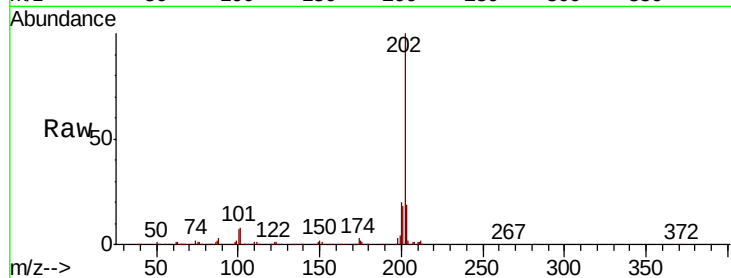
Tgt Ion	178	Resp	218877
Ion Ratio	100	Lower	Upper
179	14.1	12.2	18.4
176	18.1	16.2	24.4



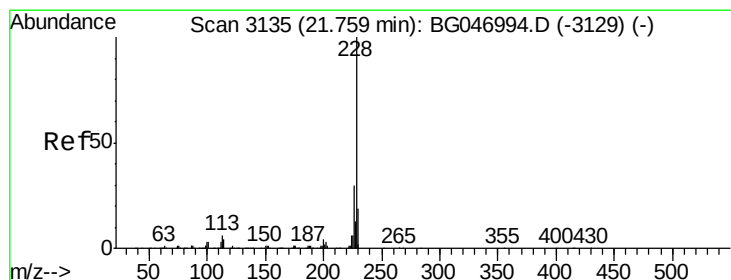
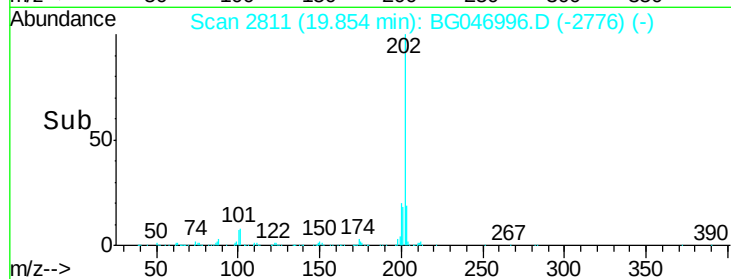
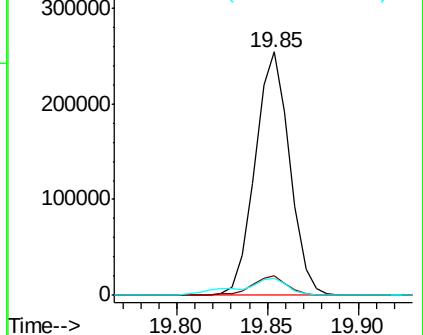


#80
 Pvrene
 Concen: 13.807 ng/ul
 RT: 19.85
 Delta R.T. BNA_G
 Lab File: ClientSampleId :
 Acq: 20 Oct 2020 12:17

Tot Ion:	202	Resp:	340270
Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.5	9.7
100	7.1	5.2	7.8

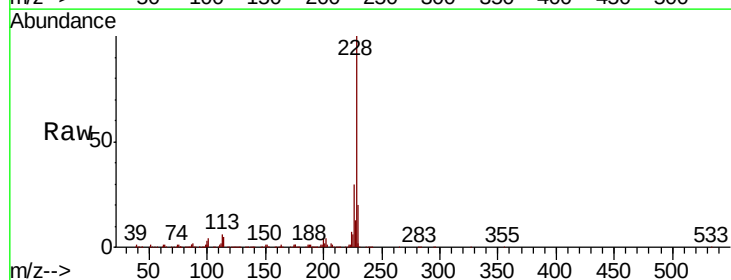


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

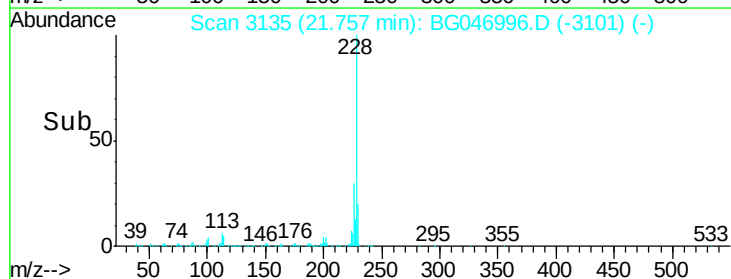
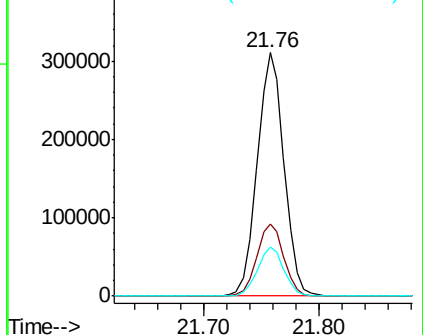


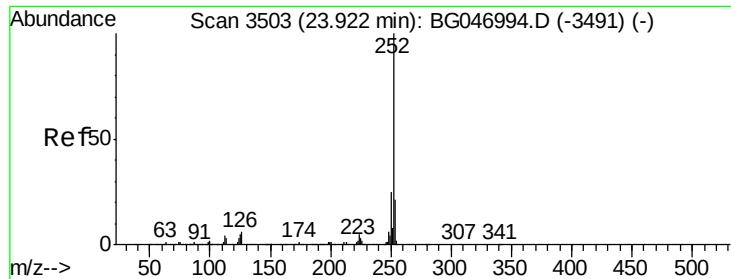
#85
 Chrysene
 Concen: 20.744 ng/ul
 RT: 21.76 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG046996.D
 Acq: 20 Oct 2020 12:17

Tgt Ion:	228	Resp:	503031
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	20.3	15.6	23.4



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





#88

Benzo(b)fluoranthene

Concen: 16.385 ng/ul

RT: 23.92

Delta R.T. BNA_G

Lab File: ClientSampleId :

Acq: 20 Oct 2020 12:17

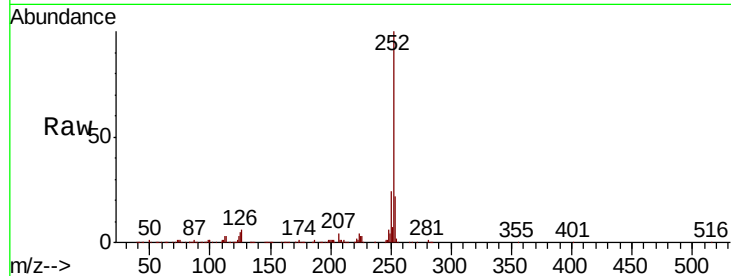
Tot Ion:252 Resp: 415397

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

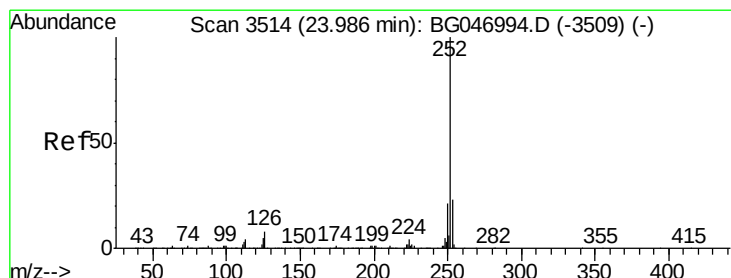
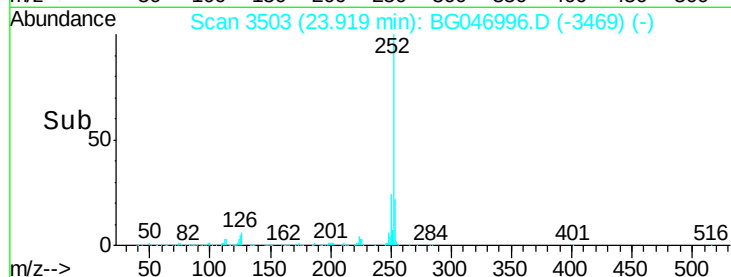
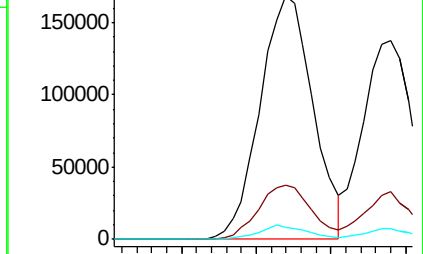
125 4.8 4.6 7.0



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: 13.159 ng/ul

RT: 23.99 min Scan# 3515

Delta R.T. 0.00 min

Lab File: BG046996.D

Acq: 20 Oct 2020 12:17

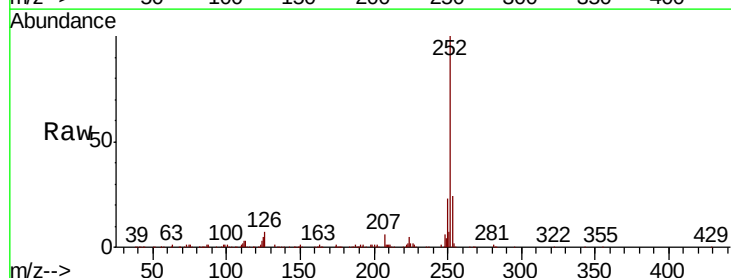
Tgt Ion:252 Resp: 321720

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

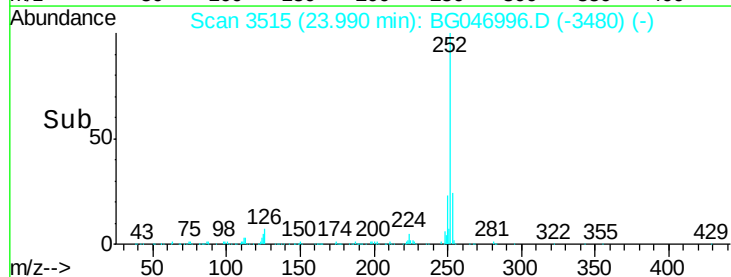
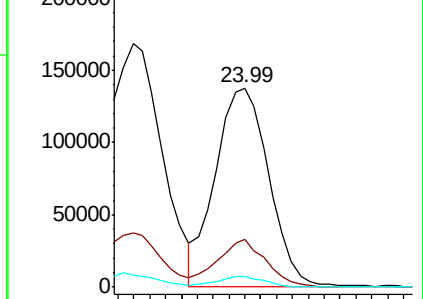
125 5.1 4.2 6.4

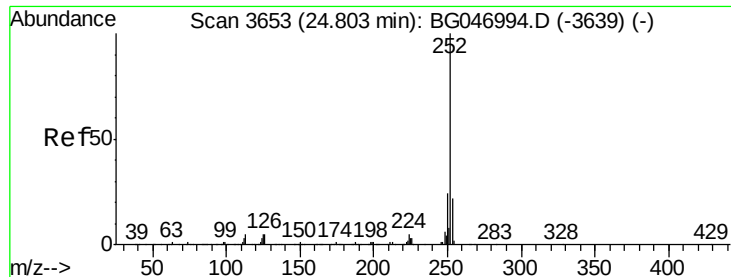


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.476 ng/ul

RT: 24.79

Delta R.T. BNA_G

Lab File: ClientSampleId:

Acq: 20 Oct 2020 12:17

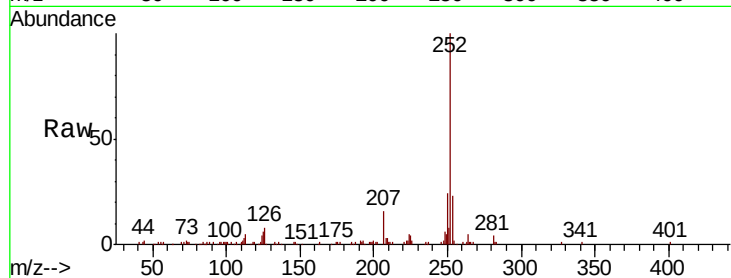
Tot Ion:252 Resp: 124806

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

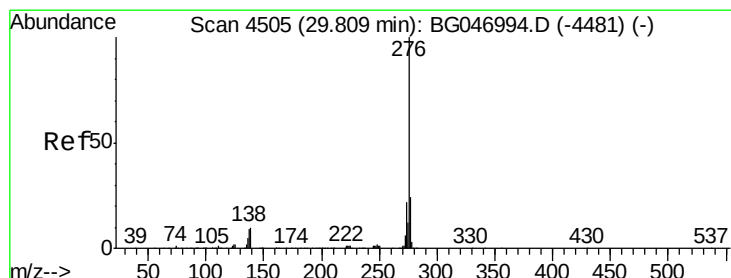
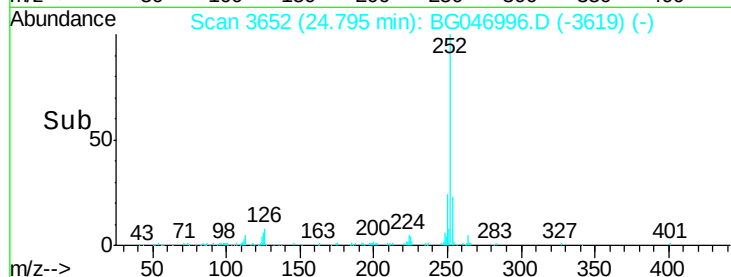
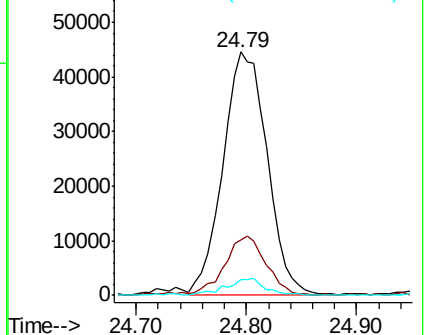
125 6.2 5.4 8.0



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



#94

Benzo(g,h,i)perylene

Concen: 16.750 ng/ul

RT: 29.80 min Scan# 4504

Delta R.T. -0.01 min

Lab File: BG046996.D

Acq: 20 Oct 2020 12:17

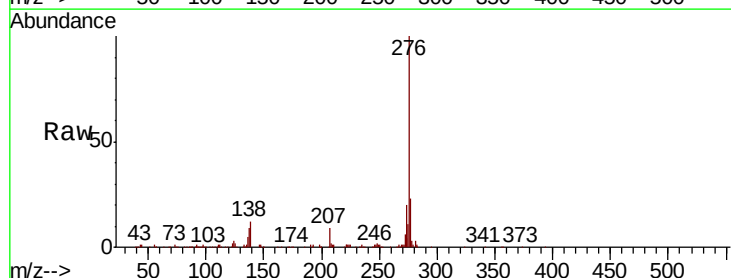
Tgt Ion:276 Resp: 392599

Ion Ratio Lower Upper

276 100

138 11.6 8.5 12.7

277 23.0 18.5 27.7



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

