

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022795.D
 Acq On : 2 Jul 2016 15:48
 Operator : UM/SJ
 Sample : H3752-19
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDHN3

Quant Time: Jul 03 00:33:02 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	181489	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	779017	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	588084	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	1367560	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	1558305	20.00	ng/ul	0.01
83) Perylene-d12	25.24	264	1598559	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3632	1.12	ng/uL	0.00
5) Phenol-d5	7.31	99	269134	14.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	166835	15.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	174716	13.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	207250	13.98	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	97921	15.76	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	119925	16.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	227424	14.52	ng/ul	0.01
29) 4-Chloroaniline-d4	11.12	131	257141	19.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	856807	17.93	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	920135	16.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	115240	15.36	ng/ul	0.00
57) Fluorene-d10	15.79	176	779249	17.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	130121	14.79	ng/ul	0.00
70) Anthracene-d10	17.66	188	1137719	17.90	ng/ul	0.00
76) Pyrene-d10	19.94	212	1482488	19.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1501444	19.77	ng/ul	0.01

Target Compounds

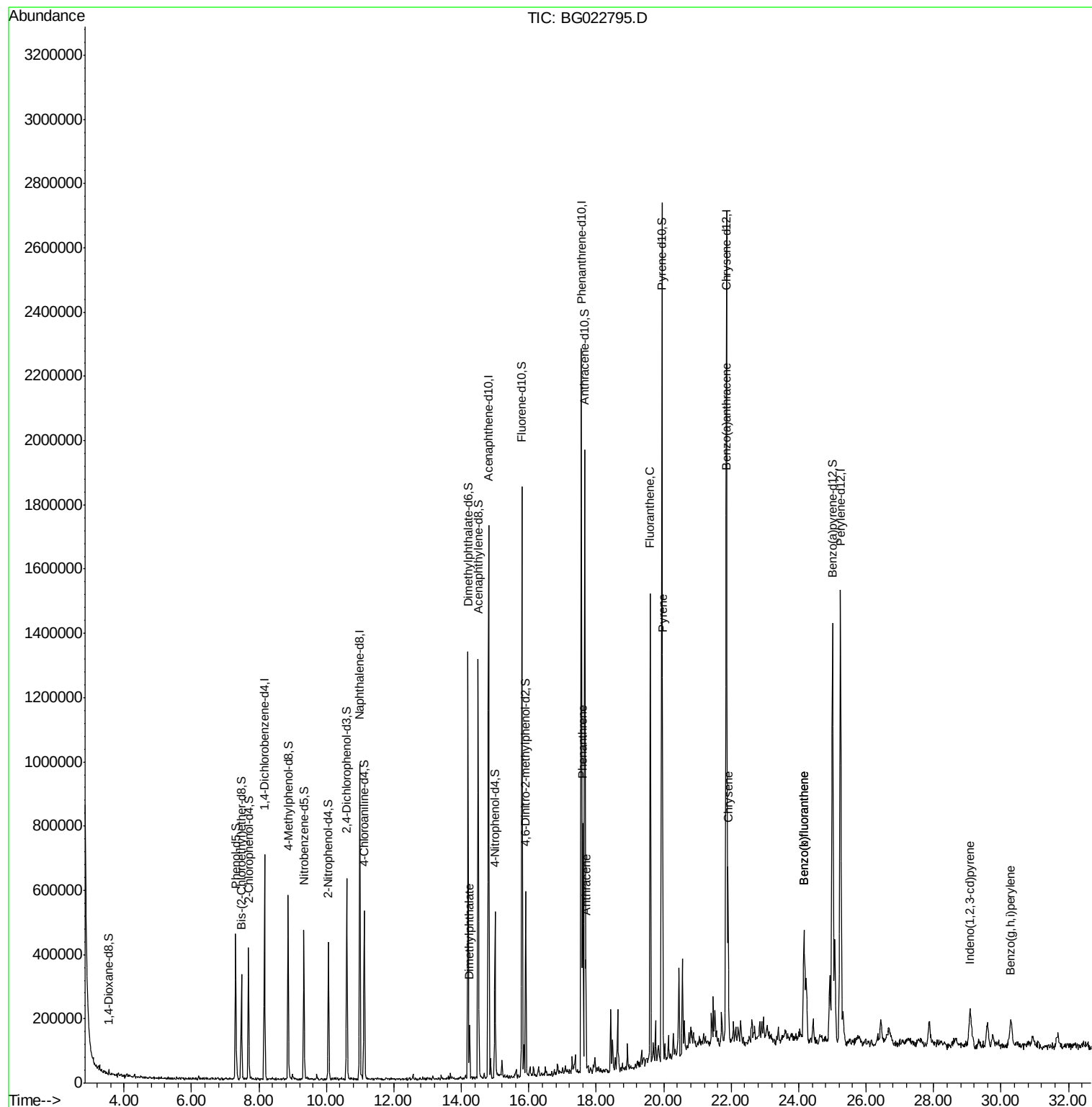
						Ovalue
44) Dimethylphthalate	14.24	163	101650	2.08	ng/ul	96
69) Phenanthrene	17.60	178	475332	6.80	ng/ul	98
71) Anthracene	17.69	178	210788	2.93	ng/ul	97
74) Fluoranthene	19.60	202	976250	13.40	ng/ul#	85
77) Pyrene	19.97	202	715680	8.20	ng/ul#	83
80) Benzo(a)anthracene	21.84	228	456394	4.99	ng/ul	97
82) Chrysene	21.91	228	409026	4.92	ng/ul	95
85) Benzo(b)fluoranthene	24.15	252	490967	4.91	ng/ul#	90
86) Benzo(k)fluoranthene	24.15	252	490967	5.23	ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	29.08	276	150151	1.50	ng/ul#	82
91) Benzo(g,h,i)perylene	30.29	276	174919	2.22	ng/ul#	81

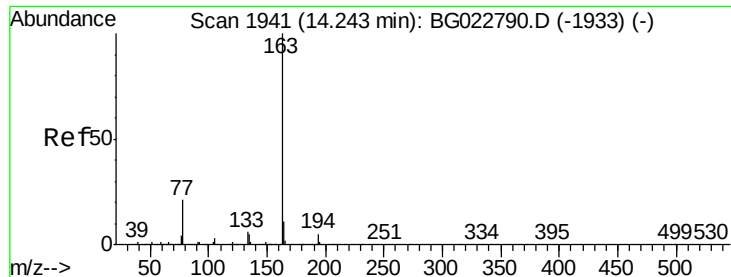
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 2.08 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

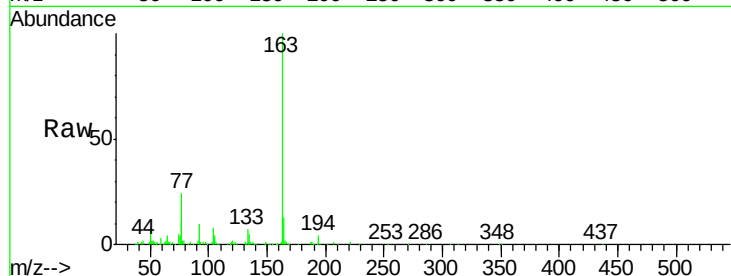
Tot Ion:163 Resp: 101650

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

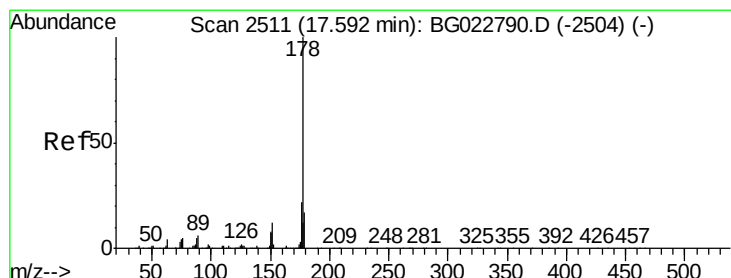
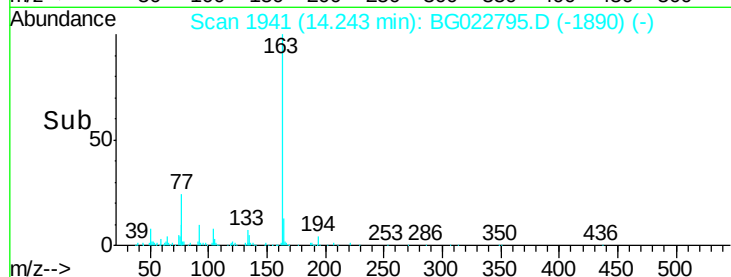
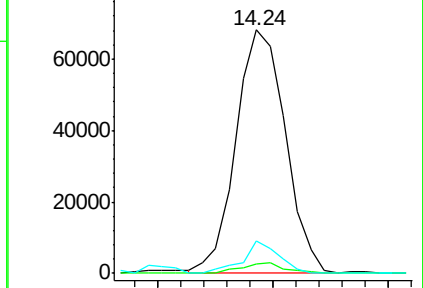
164 13.1 8.8 13.2



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



#69

Phenanthrene

Concen: 6.80 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

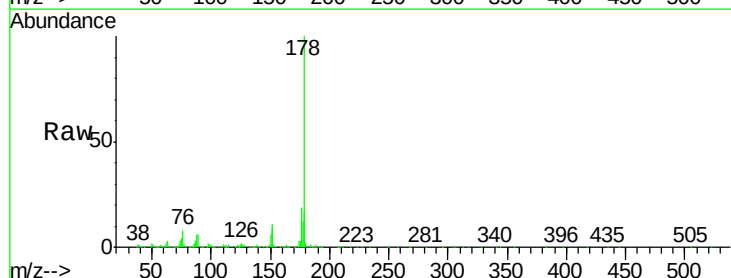
Tgt Ion:178 Resp: 475332

Ion Ratio Lower Upper

178 100

179 17.2 12.9 19.3

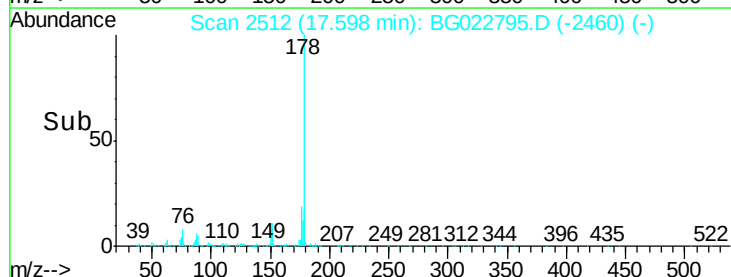
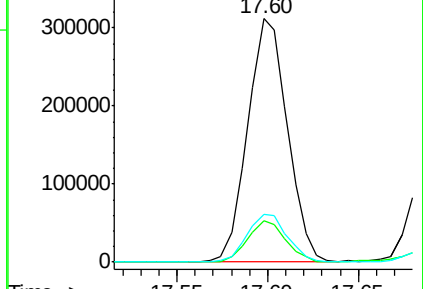
176 19.4 15.8 23.8

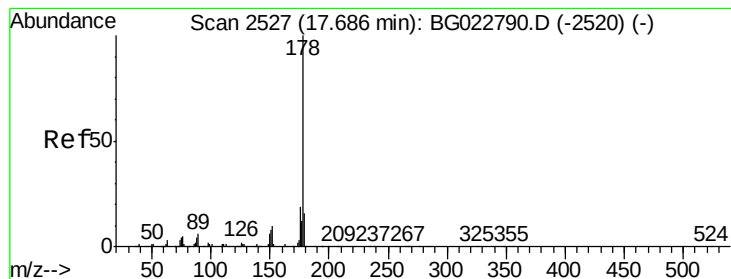


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.93 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

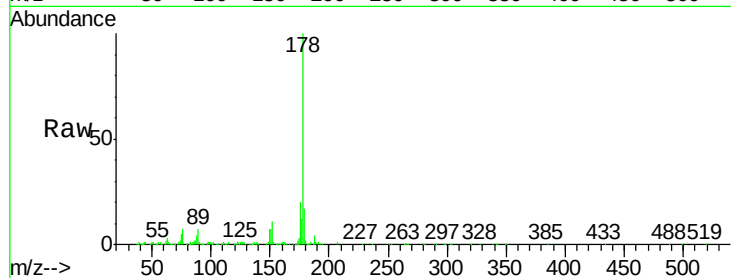
Tot Ion:178 Resp: 210788

Ion Ratio Lower Upper

178 100

179 17.5 12.3 18.5

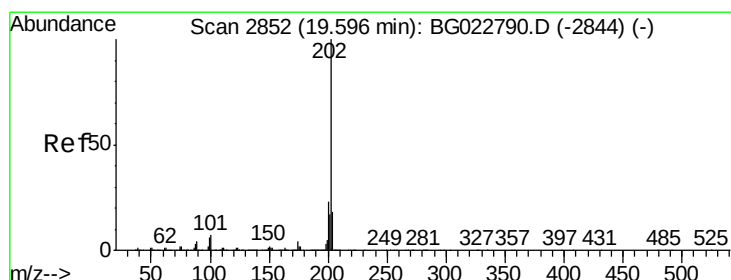
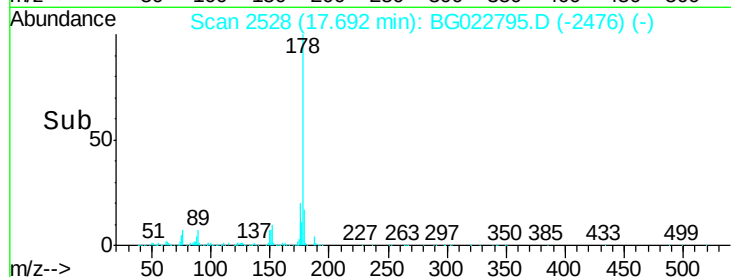
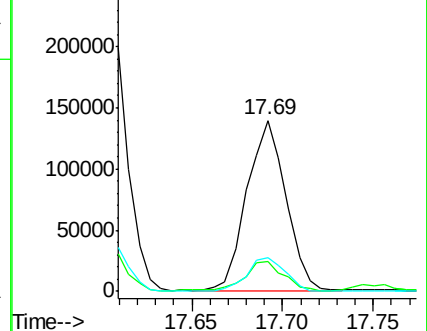
176 19.7 16.3 24.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 13.40 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

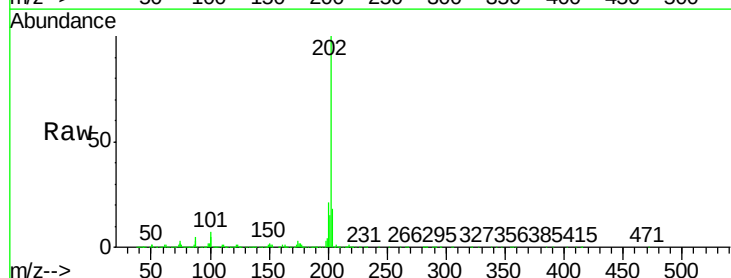
Tgt Ion:202 Resp: 976250

Ion Ratio Lower Upper

202 100

101 7.2 10.6 16.0#

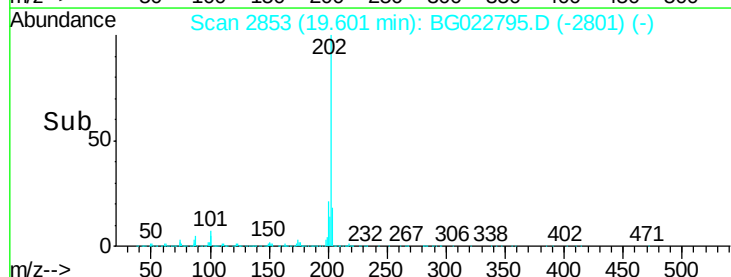
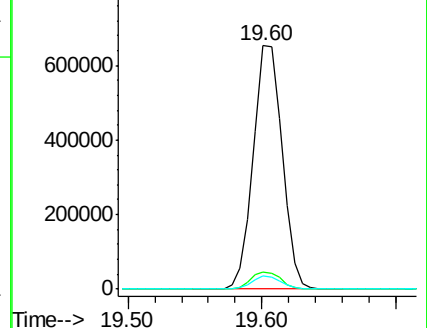
100 5.2 8.7 13.1#

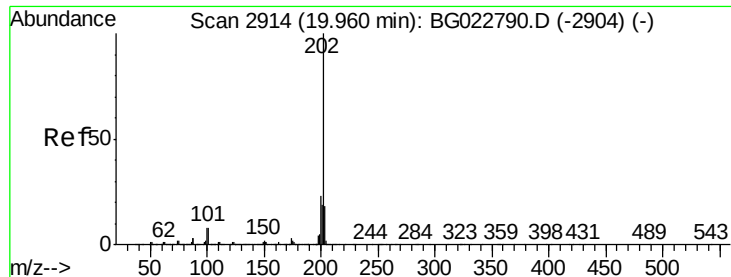


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 8.20 ng/ul

RT: 19.97 min Scan# 2915

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

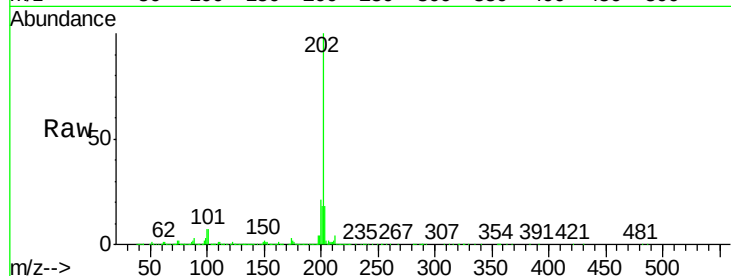
Tot Ion:202 Resp: 715680

Ion Ratio Lower Upper

202 100

101 7.2 12.5 18.7#

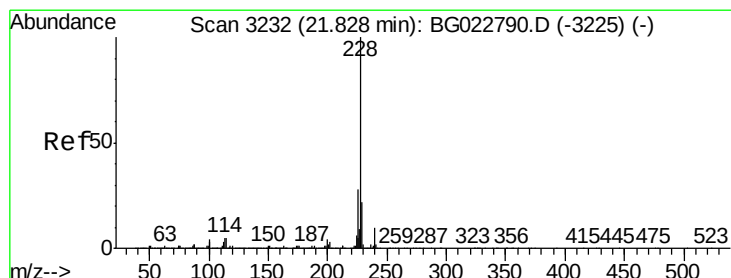
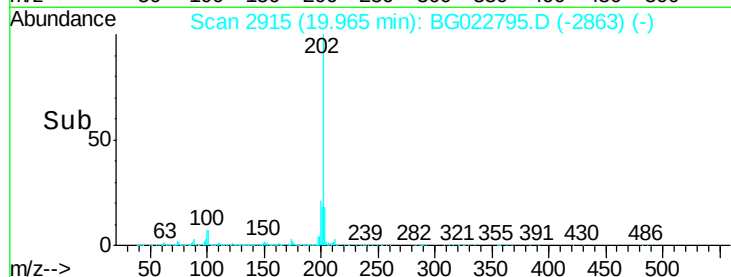
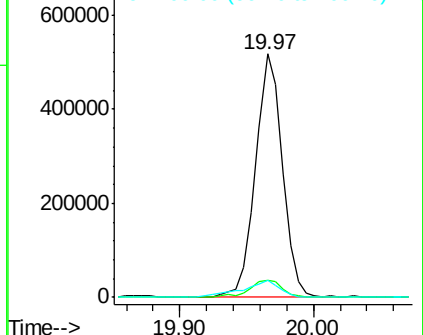
100 7.3 10.2 15.4#



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



#80

Benzo(a)anthracene

Concen: 4.99 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

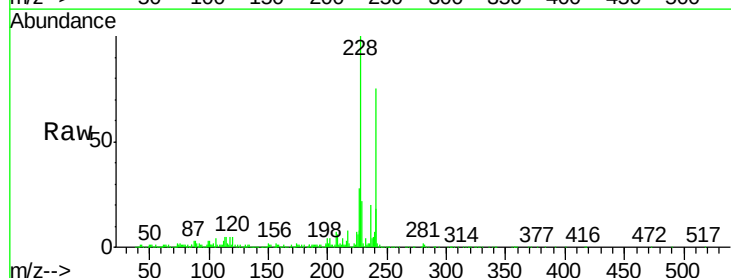
Tgt Ion:228 Resp: 456394

Ion Ratio Lower Upper

228 100

229 22.1 15.4 23.2

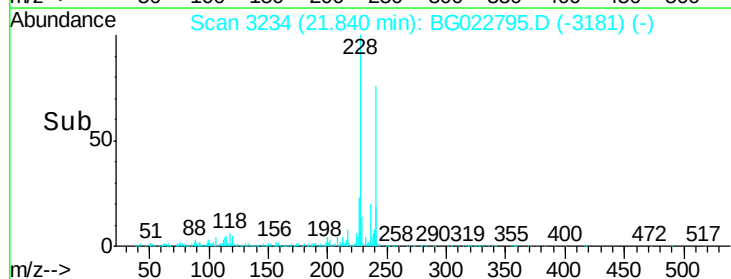
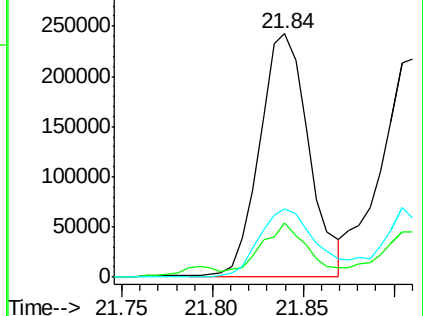
226 28.2 22.8 34.2

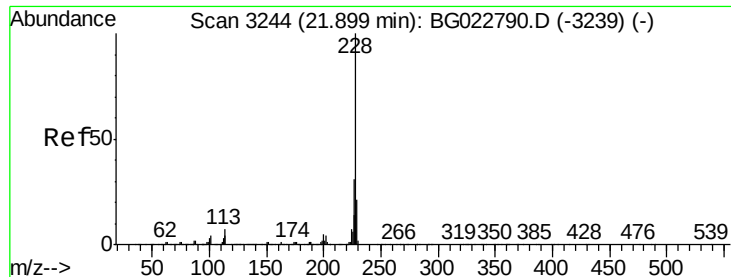


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 4.92 ng/ul

RT: 21.91 min Scan# 3246

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

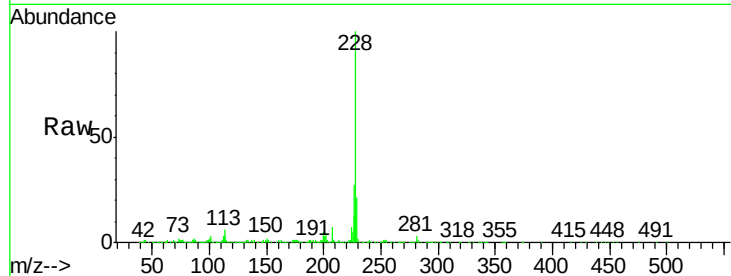
Tot Ion:228 Resp: 409026

Ion Ratio Lower Upper

228 100

226 27.4 24.2 36.4

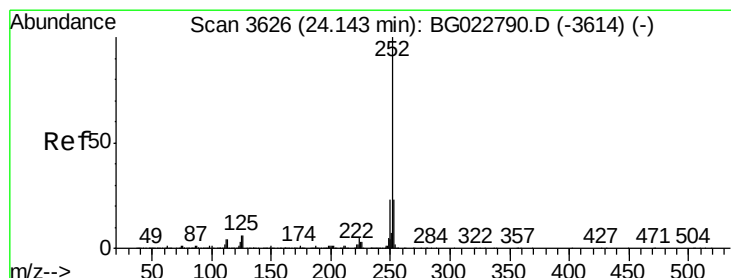
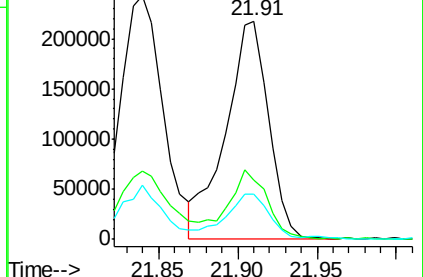
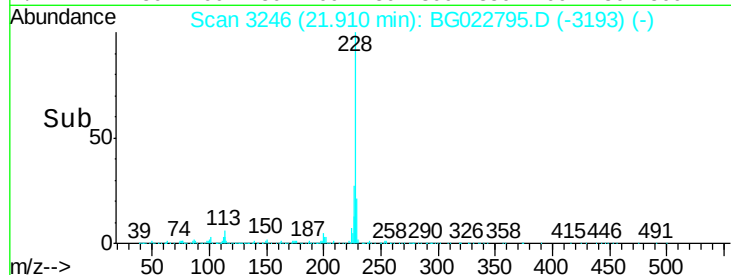
229 20.6 15.0 22.6



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



#85

Benzo(b)fluoranthene

Concen: 4.91 ng/ul

RT: 24.15 min Scan# 3628

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

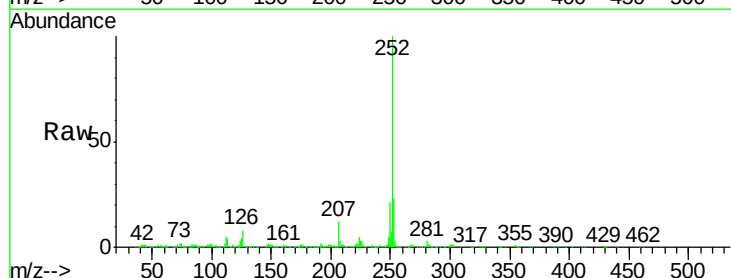
Tgt Ion:252 Resp: 490967

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

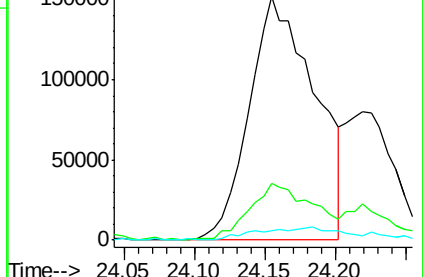
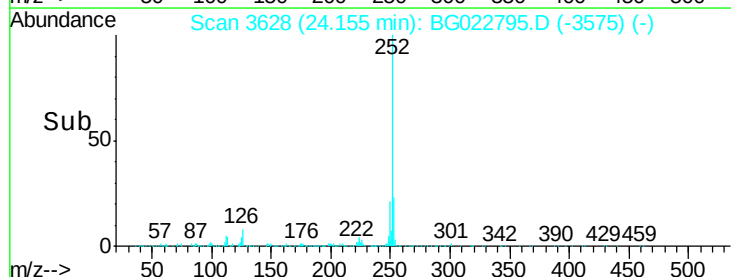
125 3.9 10.8 16.2#

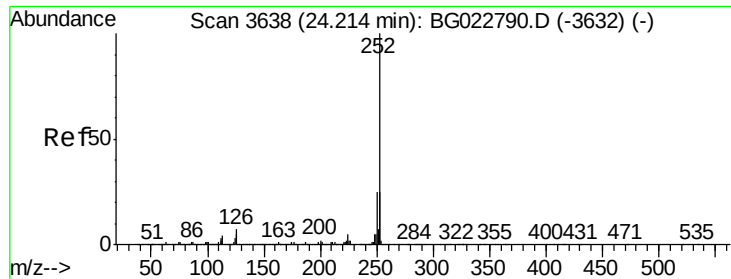


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 5.23 ng/ul

RT: 24.15 min Scan# 3628

Delta R.T. -0.06 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

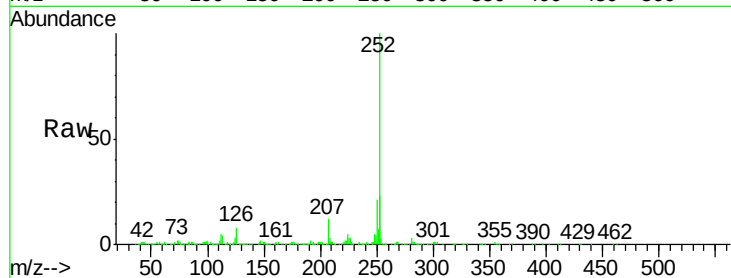
Tot Ion:252 Resp: 490967

Ion Ratio Lower Upper

252 100

253 23.4 15.8 23.6

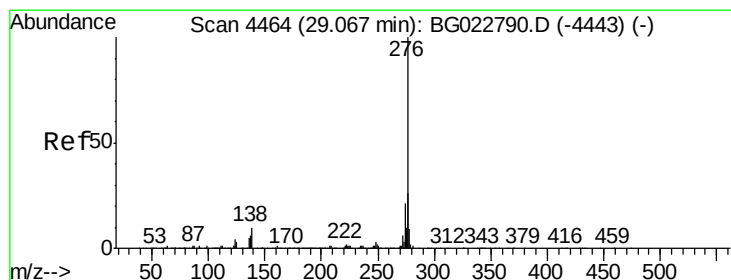
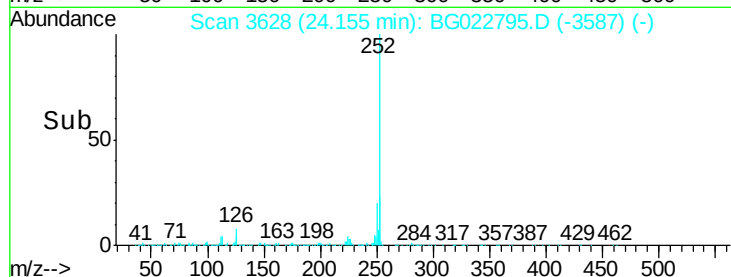
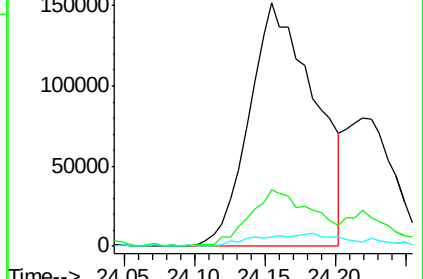
125 3.9 10.6 16.0#



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

Indeno(1,2,3-cd)pyrene

Concen: 1.50 ng/ul

RT: 29.08 min Scan# 4466

Delta R.T. 0.01 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

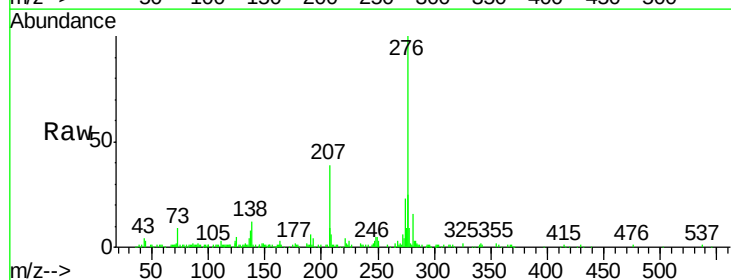
Tgt Ion:276 Resp: 150151

Ion Ratio Lower Upper

276 100

138 11.7 20.8 31.2#

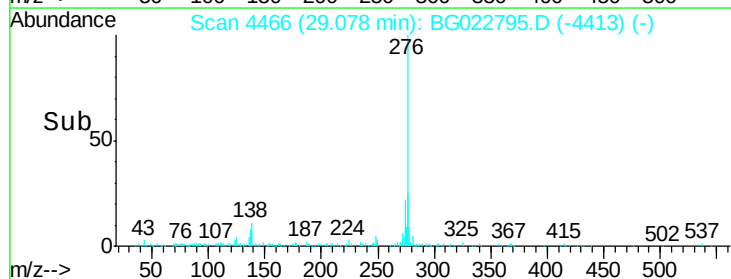
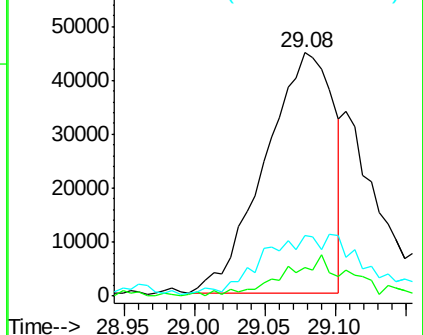
277 24.9 17.6 26.4

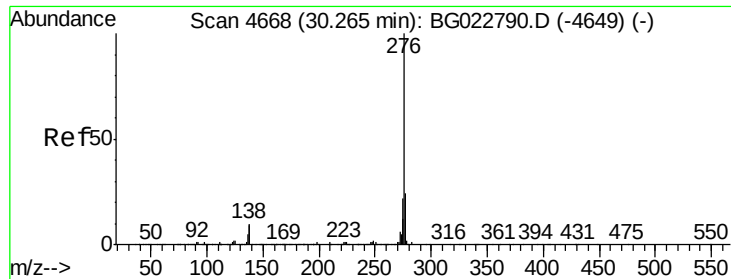


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.22 ng/ul

RT: 30.29 min Scan# 4672

Delta R.T. 0.02 min

Lab File: BG022795.D

Acq: 2 Jul 2016 15:48

Instrument :

BNA_G

ClientSampleId :

BDHN3

Tot Ion:276 Resp: 174919

Ion Ratio Lower Upper

276 100

138 14.5 22.1 33.1#

277 26.0 17.0 25.4#

