

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029420.D
 Acq On : 24 Oct 2017 12:03
 Operator : SJ/JU
 Sample : I5925-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 14:23:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	59207	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	292300	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.78	164	205446	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	509125	20.00	ng/ul	-0.01
75) Chrysene-d12	21.79	240	547841	20.00	ng/ul	-0.01
83) Perylene-d12	25.10	264	545306	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	7157	4.91	ng/uL	0.00
5) Phenol-d5	7.31	99	136012	23.94	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	78980	22.21	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.69	132	104884	26.16	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	121558	26.49	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	52836	25.18	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.05	143	62535	29.09	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.60	165	123845	25.28	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	153318	26.94	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	417072	23.75	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	511236	23.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	50442	15.56	ng/ul	-0.01
57) Fluorene-d10	15.77	176	381704	26.53	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	31014	12.48	ng/ul	-0.01
70) Anthracene-d10	17.62	188	591730	24.57	ng/ul	-0.01
76) Pyrene-d10	19.89	212	694600	24.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	649674	25.15	ng/ul	-0.02

Target Compounds

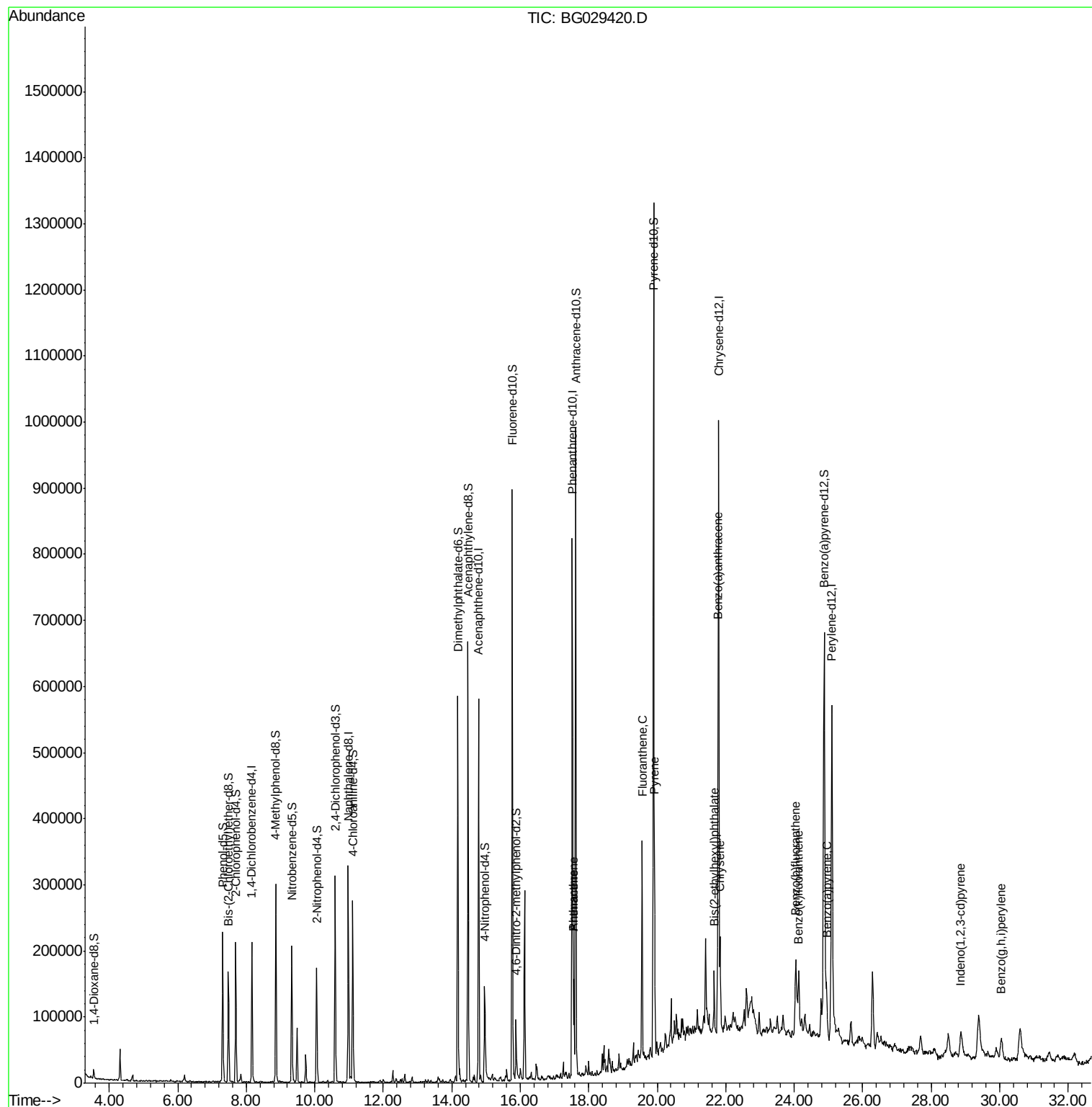
					Ovalue
69) Phenanthrene	17.57	178	99652	3.621 ng/ul	97
71) Anthracene	17.57	178	99652	3.509 ng/ul	96
74) Fluoranthene	19.56	202	204481	6.648 ng/ul	98
77) Pyrene	19.92	202	187072	5.095 ng/ul	99
80) Benzo(a)anthracene	21.77	228	106104	3.090 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.66	149	36048	1.671 ng/ul#	98
82) Chrysene	21.84	228	100288	3.215 ng/ul	99
85) Benzo(b)fluoranthene	24.04	252	142803	4.362 ng/ul	99
86) Benzo(k)fluoranthene	24.11	252	44174	1.396 ng/ul	99
88) Benzo(a)pyrene	24.94	252	93730	2.941 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.87	276	65796	1.825 ng/ul	97
91) Benzo(g,h,i)perylene	30.04	276	65655	2.197 ng/ul#	93

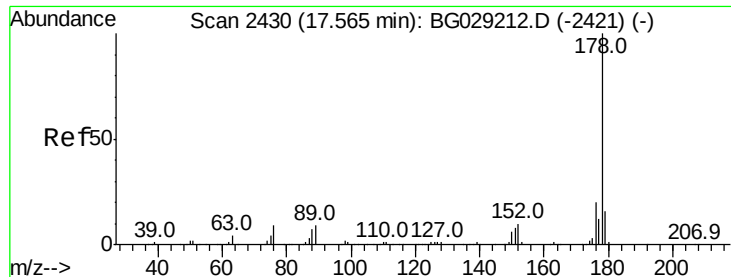
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 17 07:42:23 2017
Response via : Initial Calibration





#69

Phenanthrene

Concen: 3.621 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

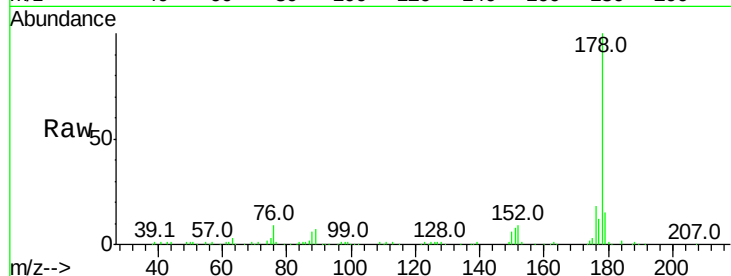
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 99652

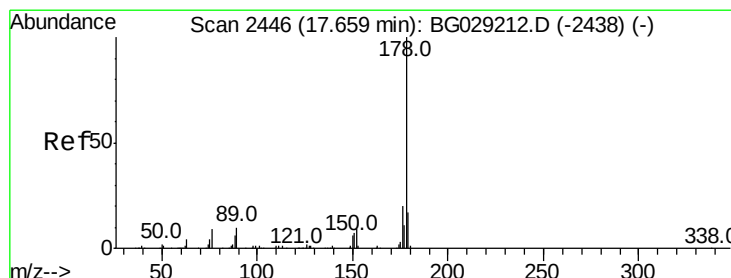
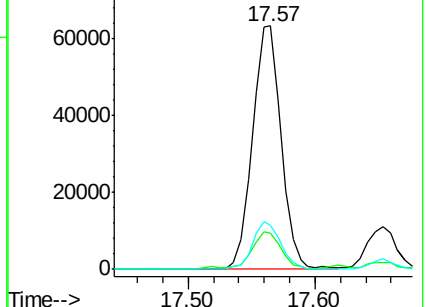
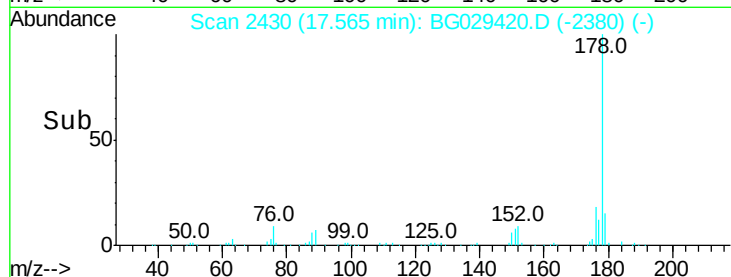
Ion	Ratio	Lower	Upper
178	100		
179	14.9	13.0	19.6
176	18.0	15.3	22.9



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: 3.509 ng/ul

RT: 17.57 min Scan# 2430

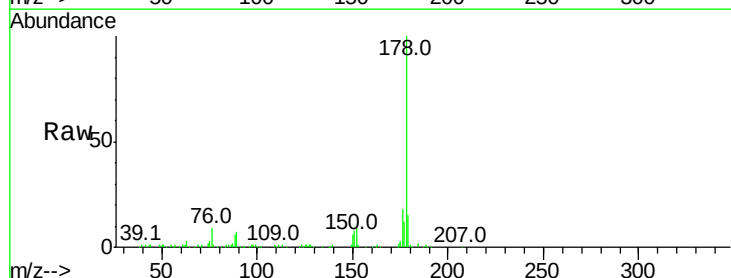
Delta R.T. -0.10 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

Tgt Ion:178 Resp: 99652

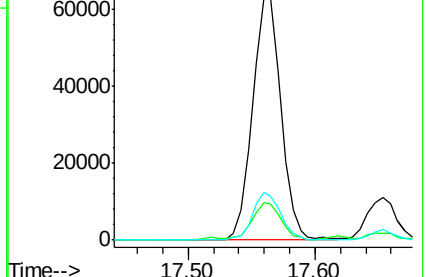
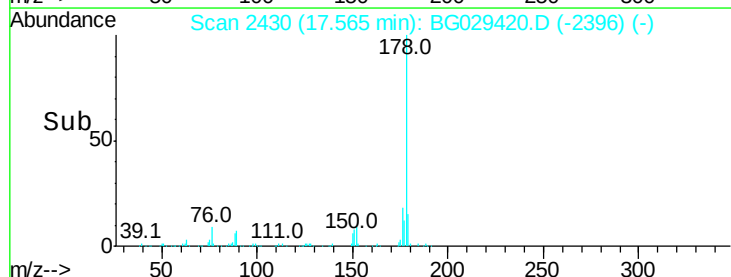
Ion	Ratio	Lower	Upper
178	100		
179	14.9	13.2	19.8
176	18.0	16.0	24.0

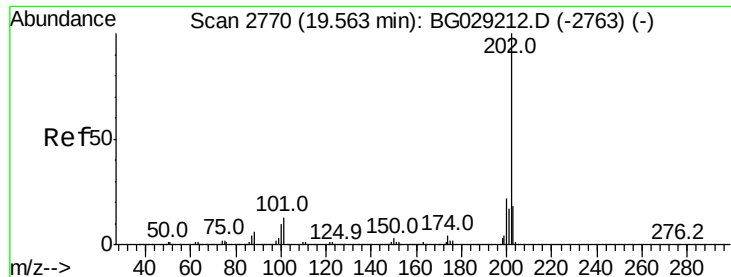


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.648 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. -0.01 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

Instrument :

BNA_G

ClientSampleId :

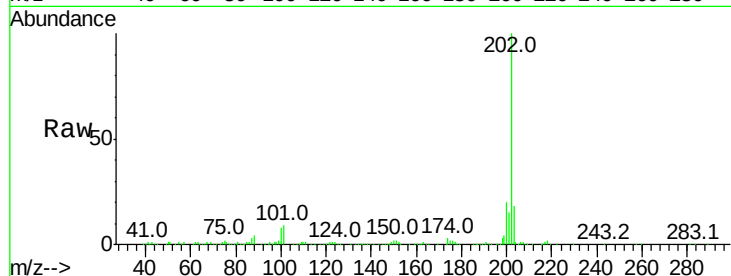
Tot Ion:202 Resp: 204481

Ion Ratio Lower Upper

202 100

101 8.8 7.4 11.2

100 7.8 5.6 8.4

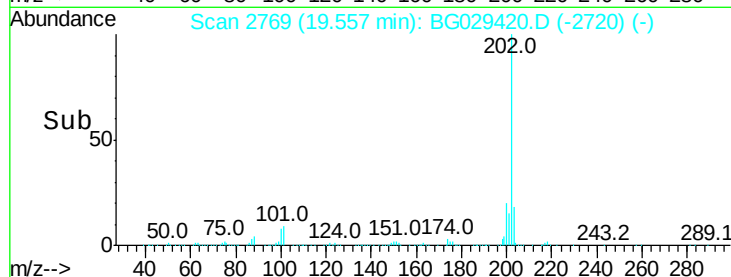


Abundance Ion 202.00 (201.70 to 202.70): E

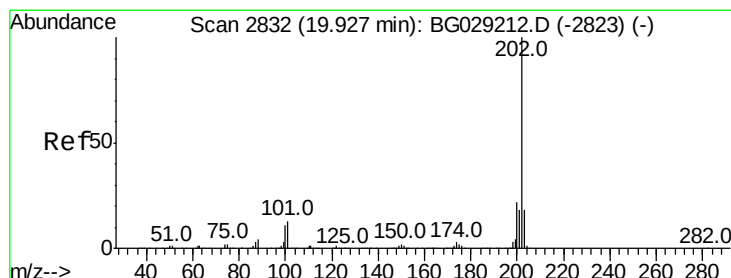
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.56



Time-->



#77

Pyrene

Concen: 5.095 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

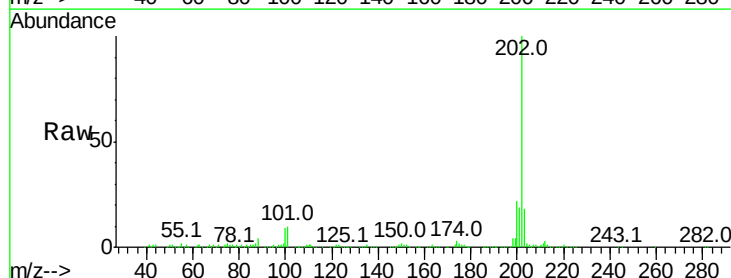
Tgt Ion:202 Resp: 187072

Ion Ratio Lower Upper

202 100

101 9.6 8.4 12.6

100 8.9 7.0 10.6

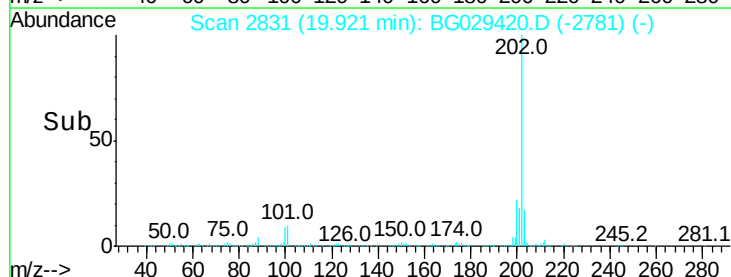


Abundance Ion 202.00 (201.70 to 202.70): E

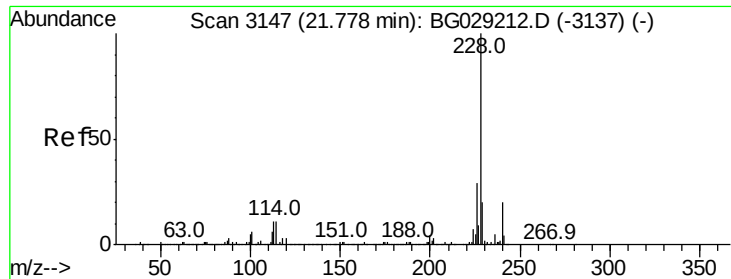
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.92



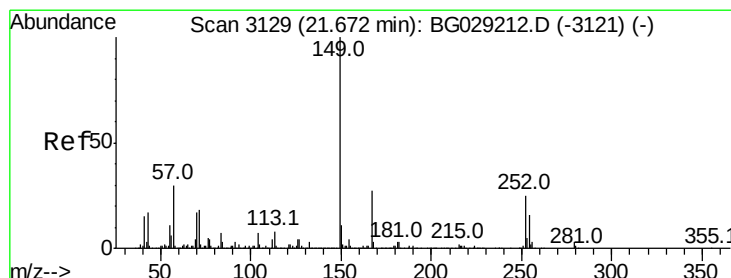
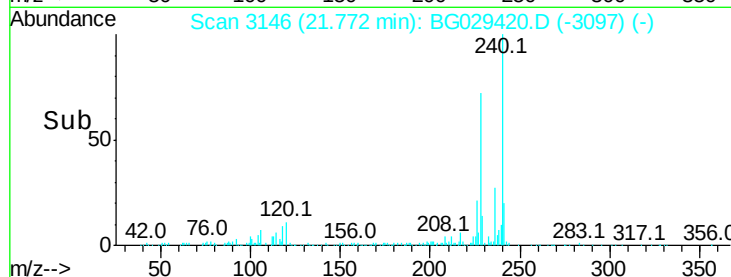
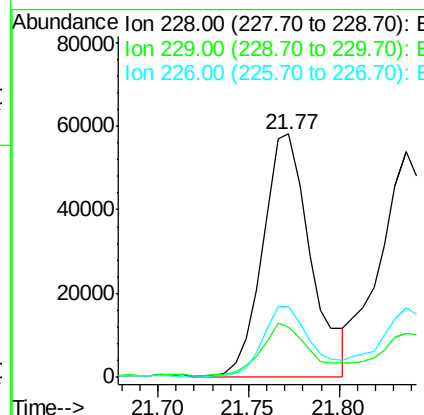
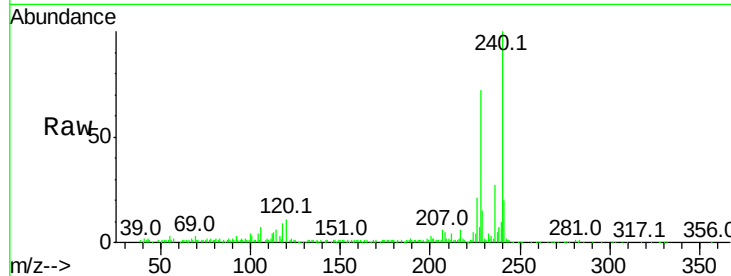
Time-->



#80
Benzo(a)anthracene
Concen: 3.090 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG029420.D
Acq: 24 Oct 2017 12:03

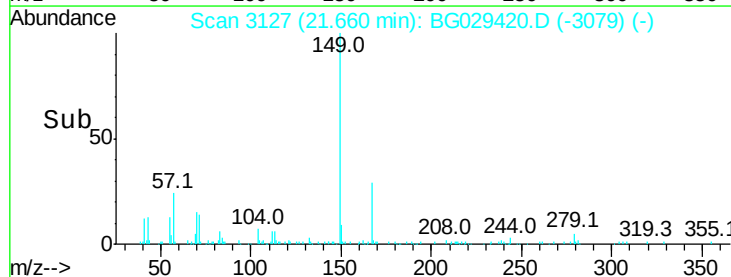
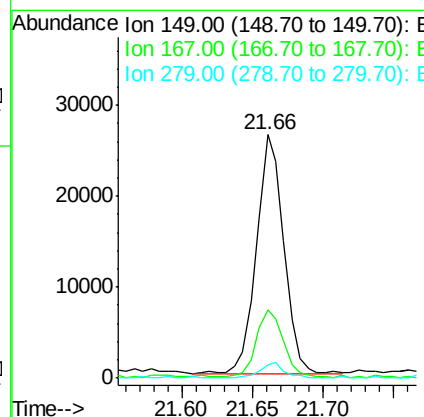
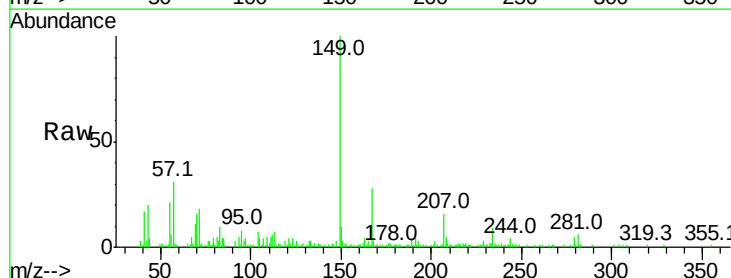
Instrument :
BNA_G
ClientSampleId :

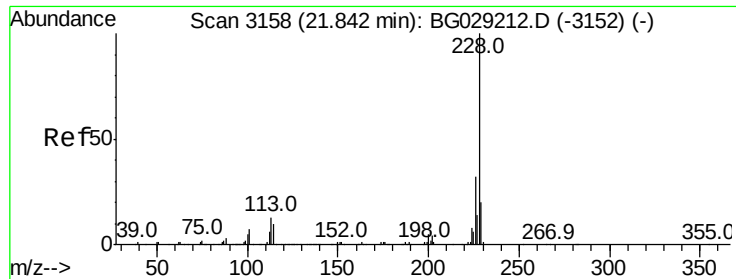
Tot Ion:228 Resp: 106104
Ion Ratio Lower Upper
228 100
229 20.6 16.2 24.4
226 28.9 22.2 33.2



#81
Bis(2-ethylhexyl)phthalate
Concen: 1.671 ng/ul
RT: 21.66 min Scan# 3127
Delta R.T. -0.02 min
Lab File: BG029420.D
Acq: 24 Oct 2017 12:03

Tgt Ion:149 Resp: 36048
Ion Ratio Lower Upper
149 100
167 28.1 23.2 34.8
279 5.3 3.1 4.7#





#82

Chrysene

Concen: 3.215 ng/ul

RT: 21.84 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

Instrument :

BNA_G

ClientSampleId :

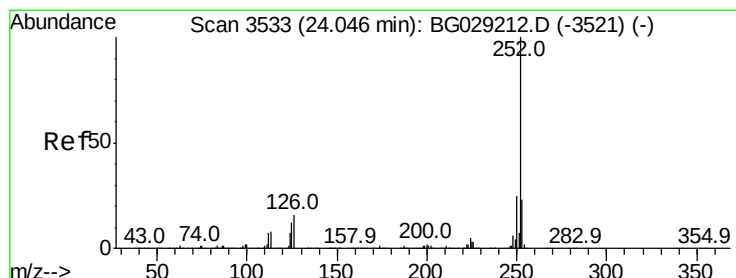
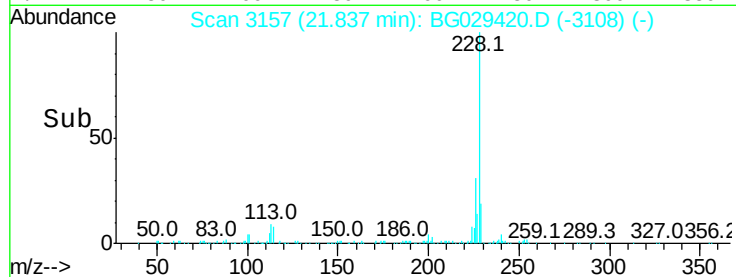
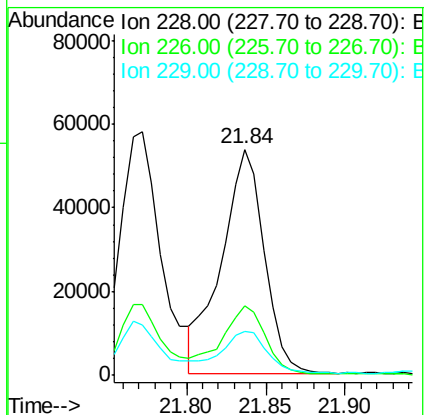
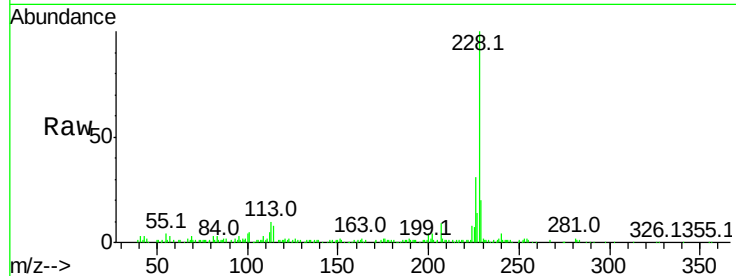
Tot Ion:228 Resp: 100288

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 19.6 15.2 22.8



#85

Benzo(b)fluoranthene

Concen: 4.362 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. -0.02 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

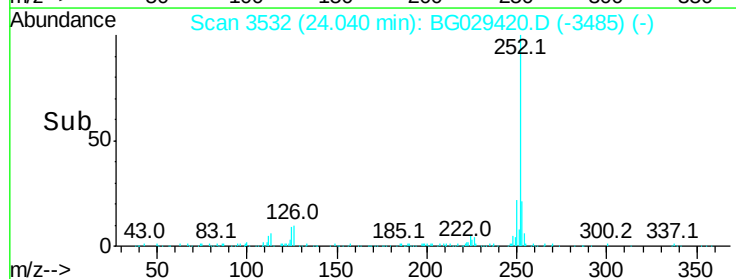
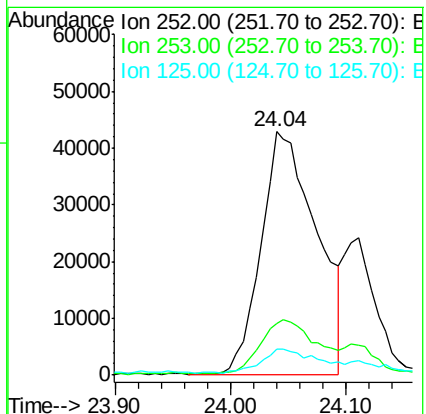
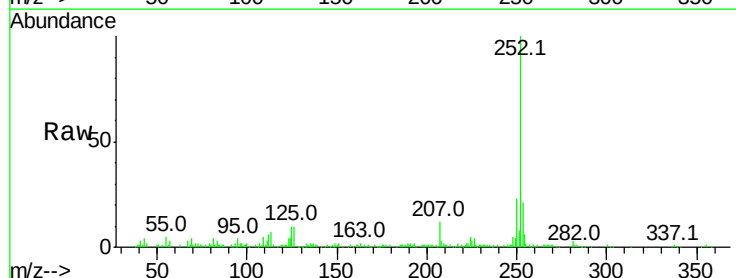
Tgt Ion:252 Resp: 142803

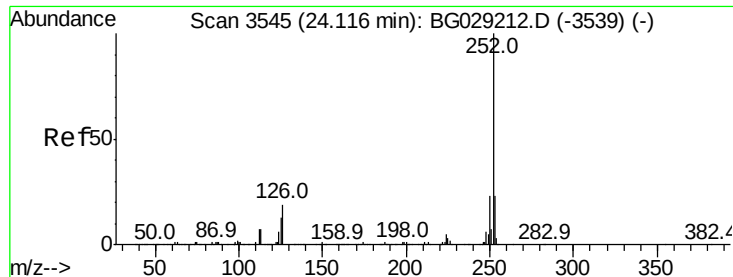
Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.4

125 10.5 7.5 11.3





#86

Benzo(k)fluoranthene

Concen: 1.396 ng/ul

RT: 24.11 min Scan# 3544

Delta R.T. -0.02 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

Instrument :

BNA_G

ClientSampleId :

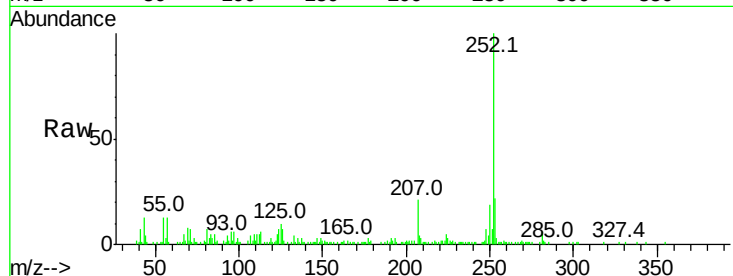
Tot Ion:252 Resp: 44174

Ion Ratio Lower Upper

252 100

253 21.6 17.2 25.8

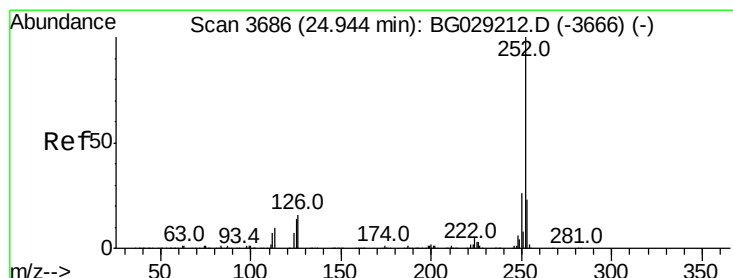
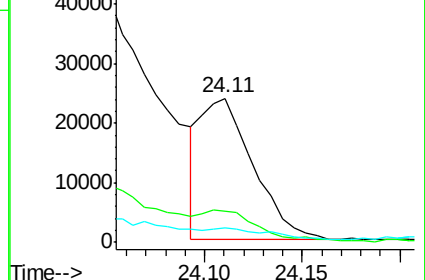
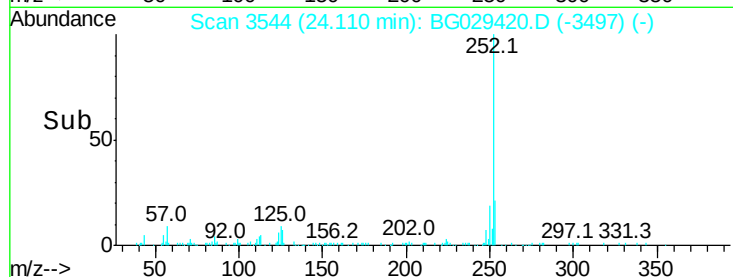
125 10.3 7.8 11.8



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



#88

Benzo(a)pyrene

Concen: 2.941 ng/ul

RT: 24.94 min Scan# 3686

Delta R.T. -0.02 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

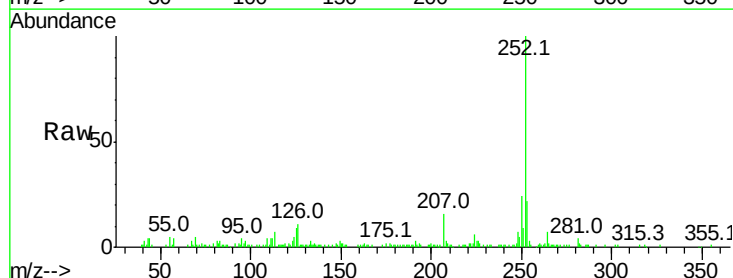
Tgt Ion:252 Resp: 93730

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

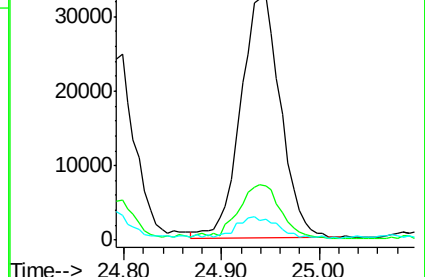
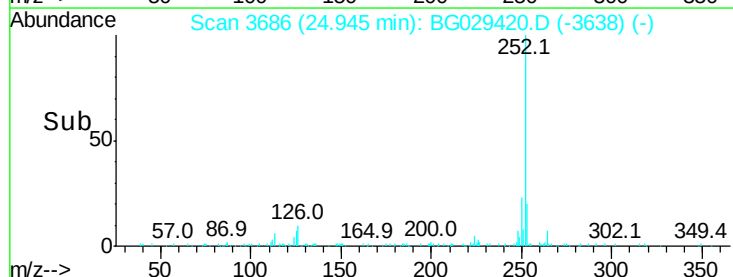
125 8.6 7.8 11.8

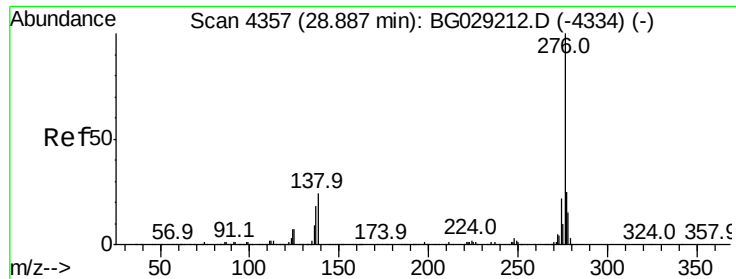


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.825 ng/ul

RT: 28.87 min Scan# 4354

Delta R.T. -0.04 min

Lab File: BG029420.D

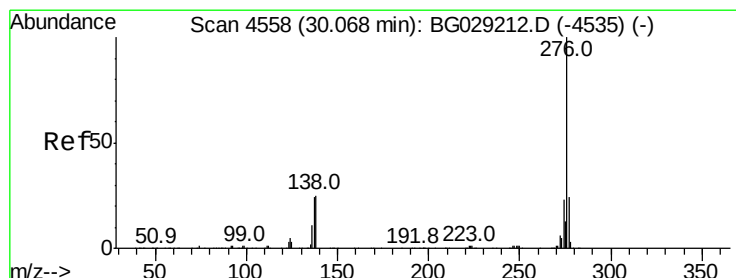
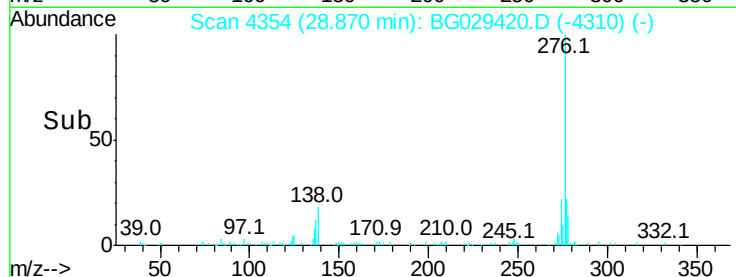
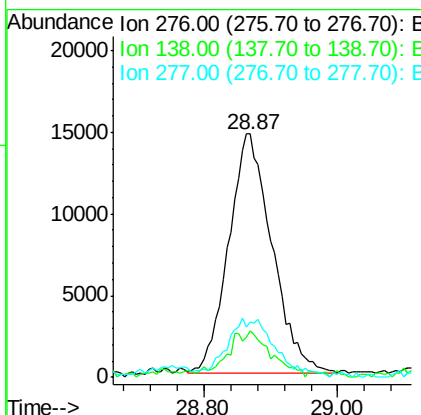
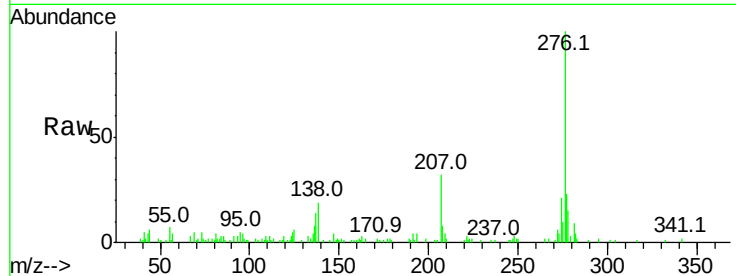
Acq: 24 Oct 2017 12:03

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276	Resp:	65796
Ion Ratio	Lower	Upper
276	100	
138	19.2	13.4 20.0
277	22.7	18.6 28.0



#91

Benzo(g,h,i)perylene

Concen: 2.197 ng/ul

RT: 30.04 min Scan# 4554

Delta R.T. -0.05 min

Lab File: BG029420.D

Acq: 24 Oct 2017 12:03

Tgt Ion:276	Resp:	65655
Ion Ratio	Lower	Upper
276	100	
138	20.4	12.1 18.1#
277	23.3	17.7 26.5

