

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051817\
 Data File : BG027032.D
 Acq On : 19 May 2017 9:46
 Operator : SJ/MA
 Sample : I3136-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC29

Quant Time: May 19 11:48:26 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 04:25:04 2017
 Response via : Initial Calibration

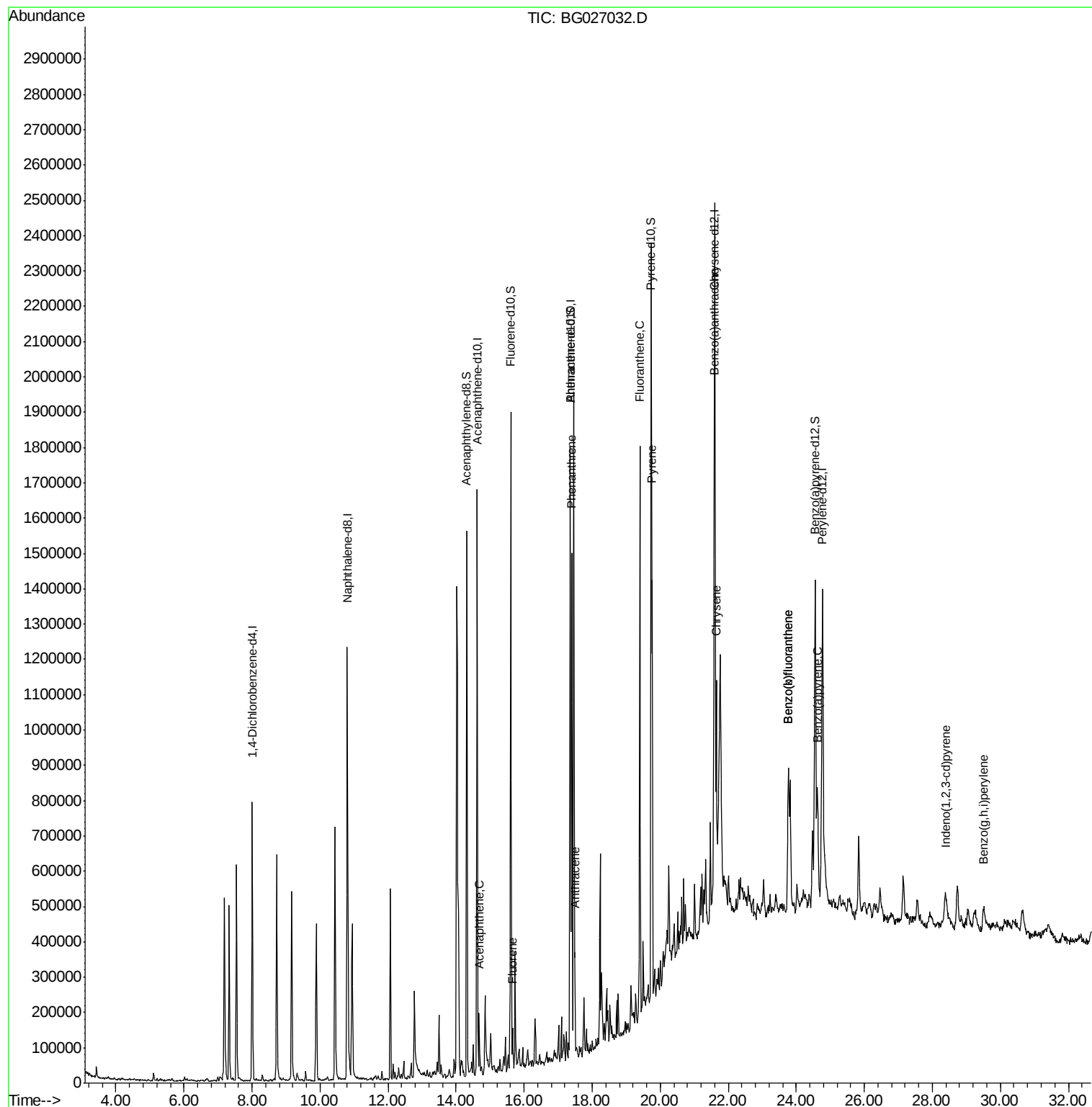
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	238331	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	1112908	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	577522	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	1050392	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	932468	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	916085	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.32	160	1173639	19.81	ng/ul	0.00
10) Fluorene-d10	15.61	176	750878	19.00	ng/ul	0.00
14) Anthracene-d10	17.36	188	1050392	20.51	ng/ul	-0.09
18) Pyrene-d10	19.73	212	969939	19.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	895451	19.67	ng/ul	0.01
Target Compounds				Qvalue		
9) Acenaphthene	14.68	153	41139	1.01	ng/ul	98
11) Fluorene	15.66	166	47222	1.09	ng/ul	97
13) Phenanthrene	17.40	178	853856	14.54	ng/ul	99
15) Anthracene	17.49	178	179978	2.98	ng/ul	100
16) Fluoranthene	19.40	202	914135	15.23	ng/ul#	91
19) Pyrene	19.76	202	741806	12.17	ng/ul#	87
20) Benzo(a)anthracene	21.58	228	354942	6.32	ng/ul	97
21) Chrysene	21.65	228	357830	6.94	ng/ul	98
23) Benzo(b)fluoranthene	23.77	252	458329	8.42	ng/ul#	92
24) Benzo(k)fluoranthene	23.77	252	458329	8.18	ng/ul#	92
26) Benzo(a)pyrene	24.63	252	291092	5.46	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	28.38	276	147340	3.01	ng/ul#	76
29) Benzo(g,h,i)perylene	29.50	276	53499	1.37	ng/ul#	78

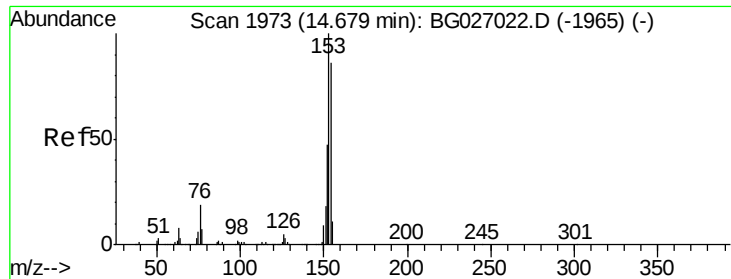
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.01 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

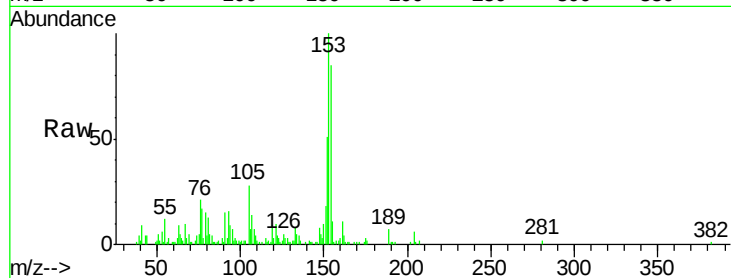
Instrument :

BNA_G

ClientSampleId :

DAC29

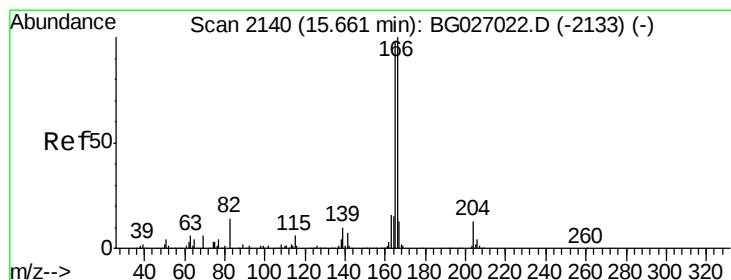
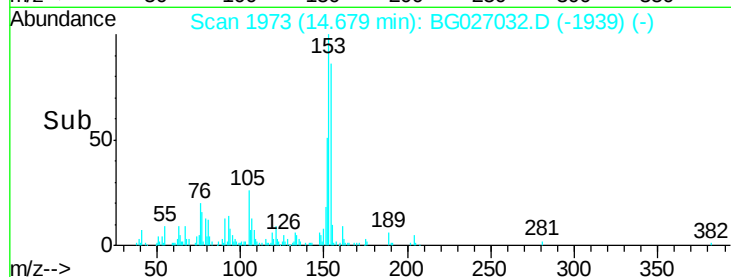
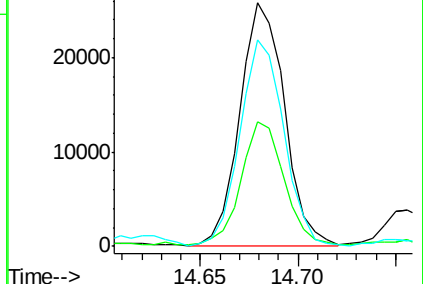
Tgt Ion:	153	Resp:	41139
Ion	Ratio	Lower	Upper
153	100		
152	51.4	39.0	58.6
154	84.7	66.8	100.2



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



#11

Fluorene

Concen: 1.09 ng/ul

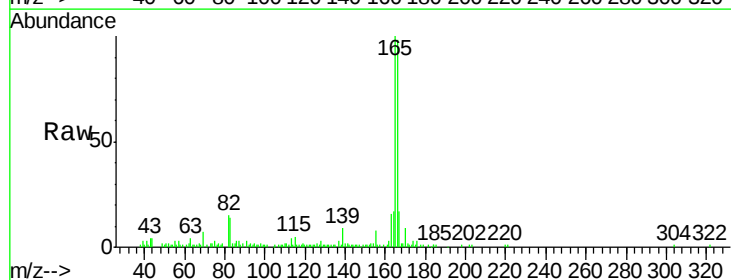
RT: 15.66 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

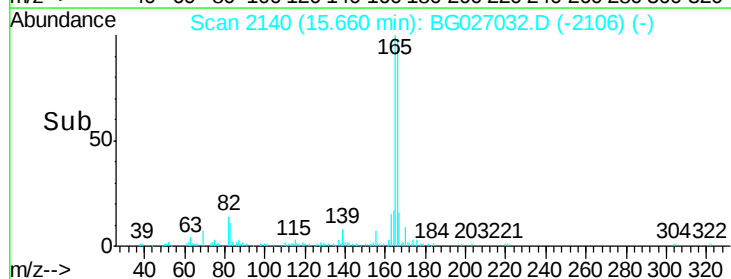
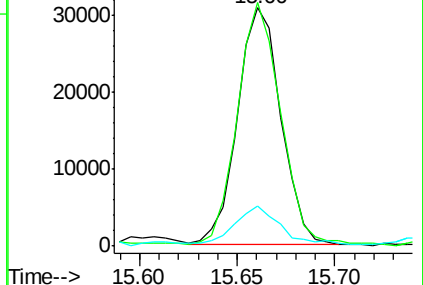
Tgt Ion:	166	Resp:	47222
Ion	Ratio	Lower	Upper
166	100		
165	102.2	83.8	125.8
167	17.0	11.5	17.3

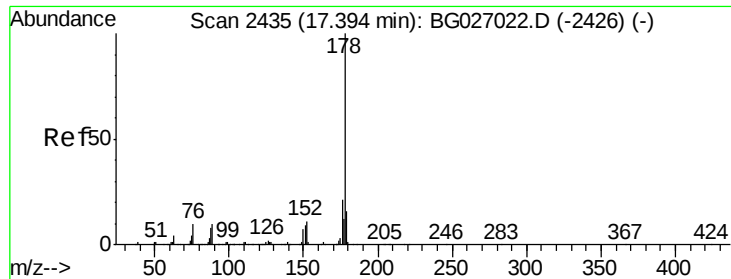


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 14.54 ng/ul

RT: 17.40 min Scan# 2436

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

BNA_G

ClientSampleId :

DAC29

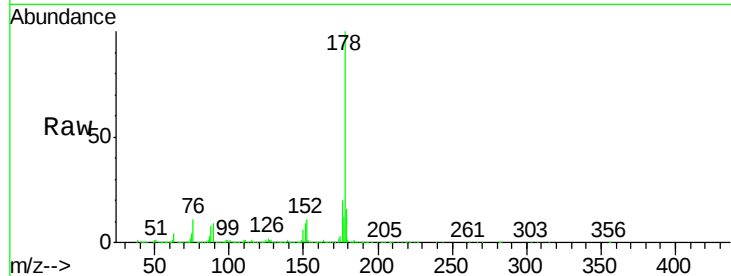
Tgt Ion:178 Resp: 853856

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

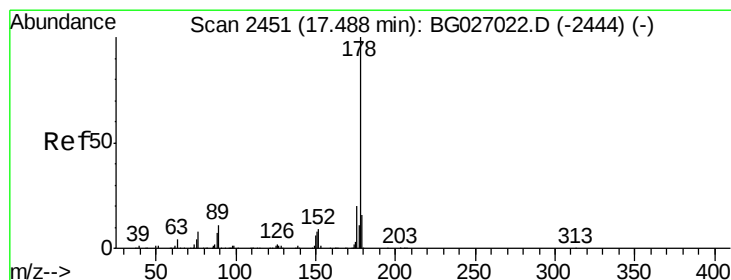
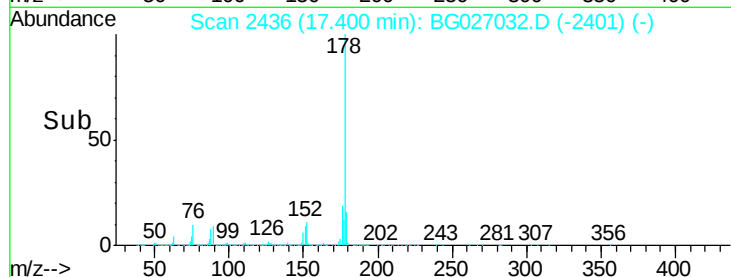
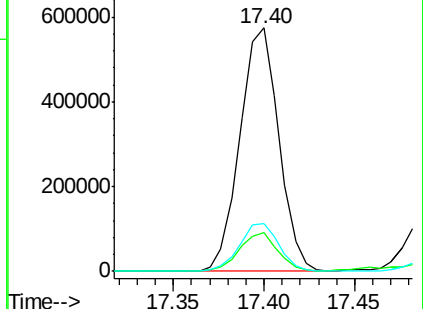
176 19.5 15.1 22.7



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



#15

Anthracene

Concen: 2.98 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

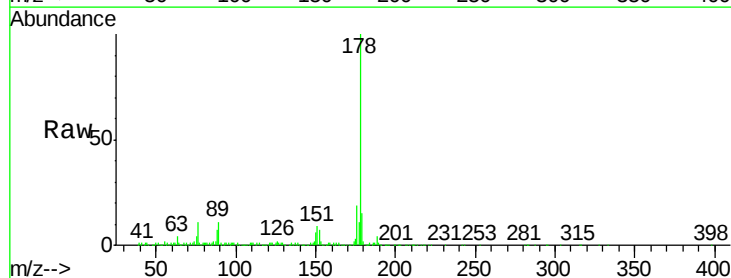
Tgt Ion:178 Resp: 179978

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

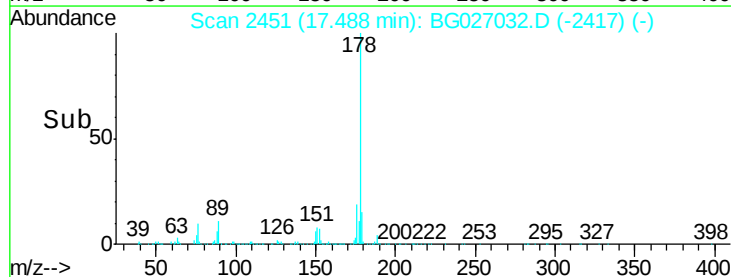
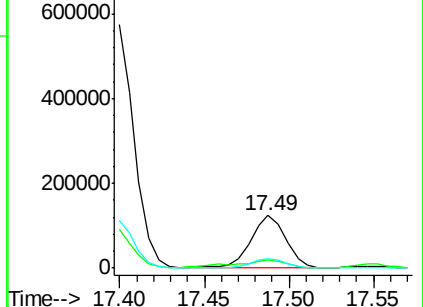
176 19.0 15.2 22.8

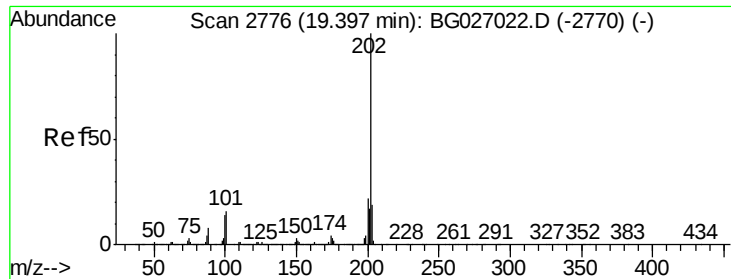


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 15.23 ng/ul

RT: 19.40 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

BNA_G

ClientSampleId :

DAC29

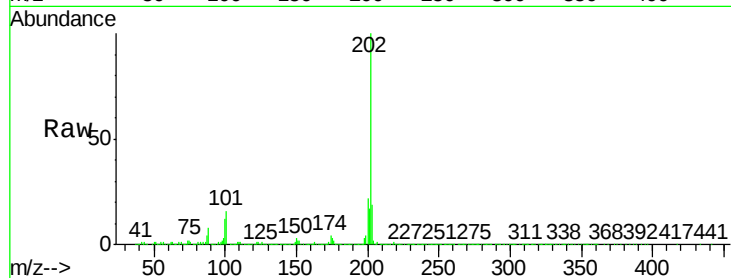
Tgt Ion:202 Resp: 914135

Ion Ratio Lower Upper

202 100

101 16.0 9.9 14.9#

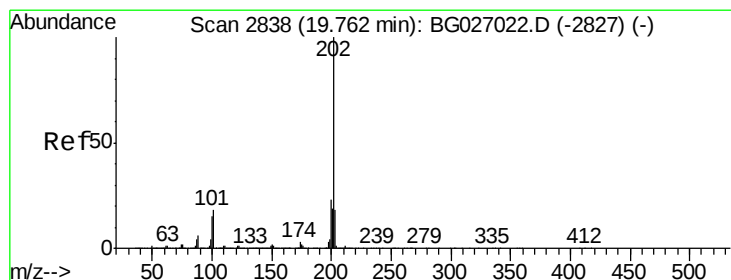
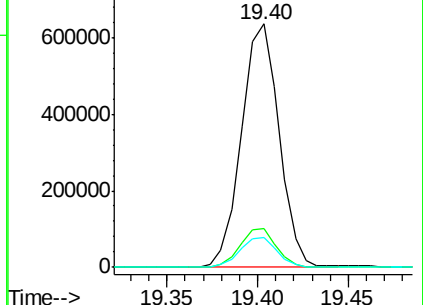
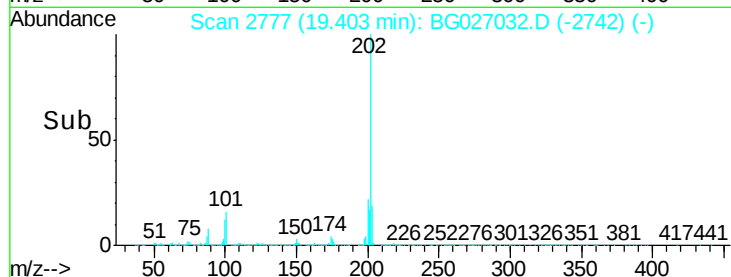
100 12.2 7.4 11.0#



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

Pyrene

Concen: 12.17 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

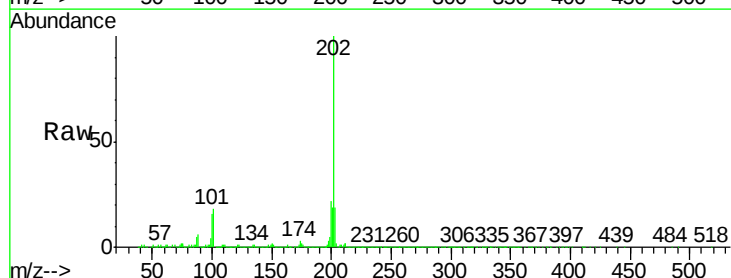
Tgt Ion:202 Resp: 741806

Ion Ratio Lower Upper

202 100

101 18.2 11.0 16.4#

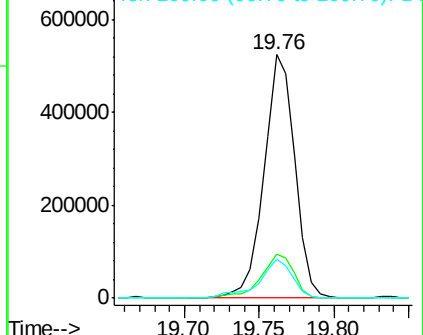
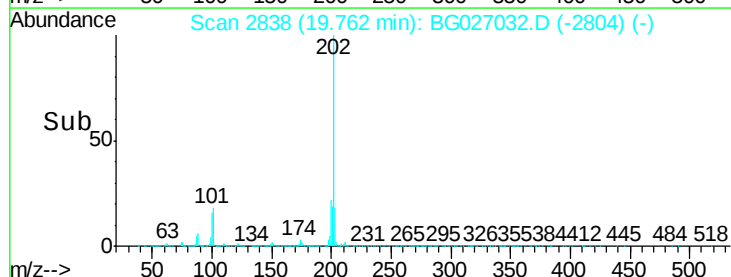
100 16.2 8.1 12.1#

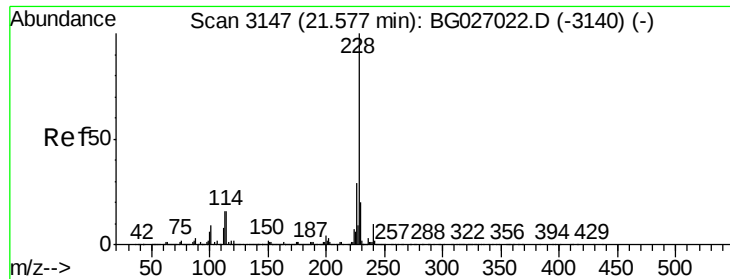


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 6.32 ng/ul

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

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ClientSampleId :

DAC29

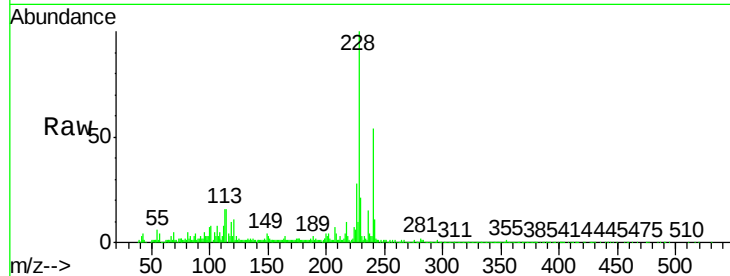
Tgt Ion:228 Resp: 354942

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

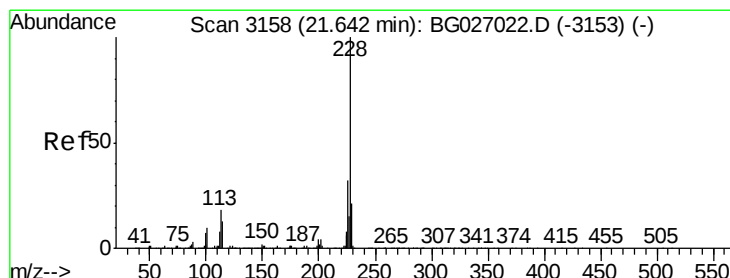
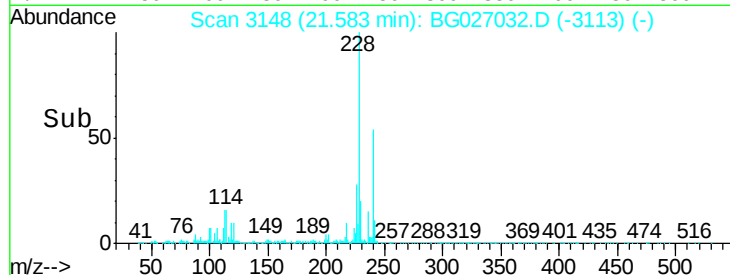
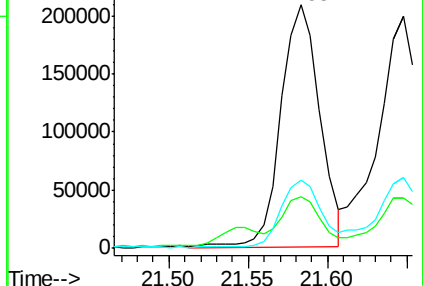
226 28.3 21.1 31.7



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



#21

Chrysene

Concen: 6.94 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

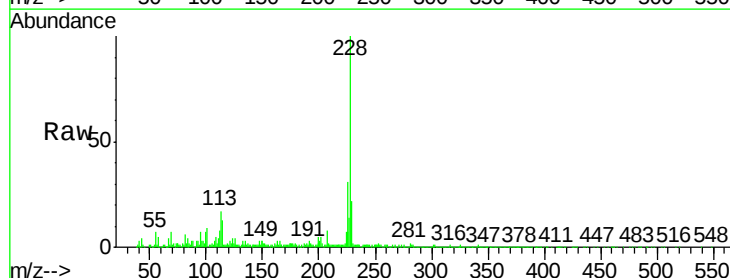
Tgt Ion:228 Resp: 357830

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

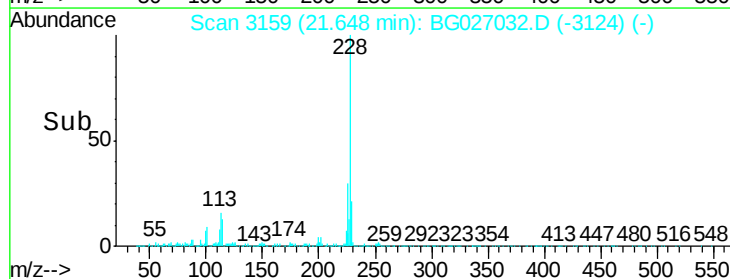
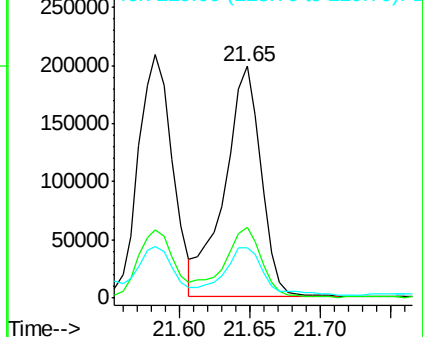
229 22.0 15.8 23.8

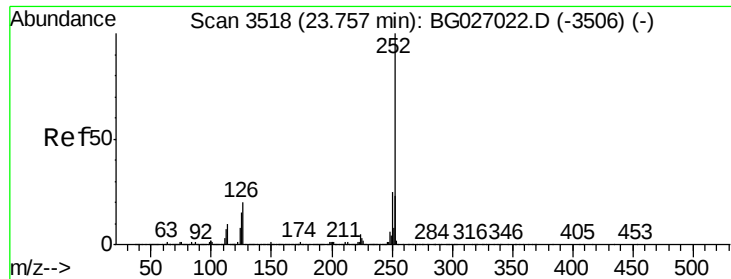


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 8.42 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

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ClientSampleId :

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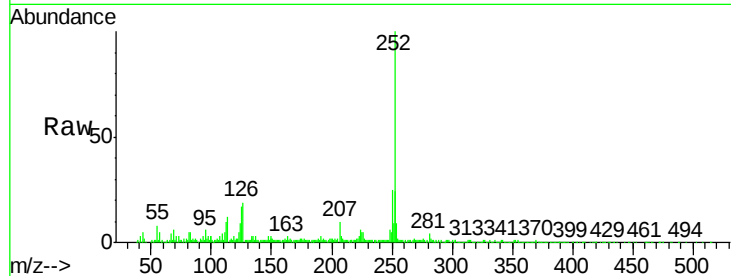
Tgt Ion:252 Resp: 458329

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

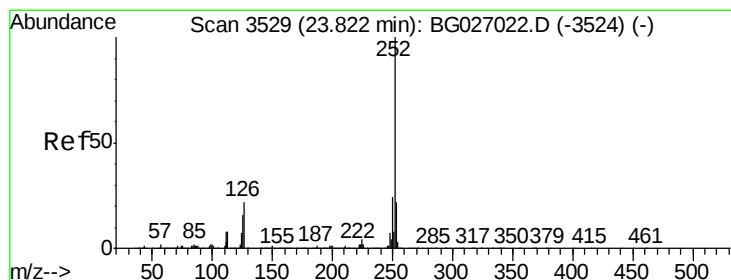
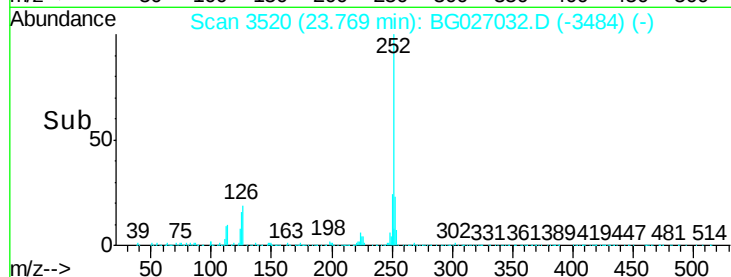
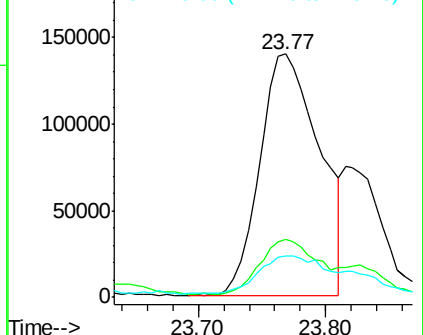
125 16.8 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 8.18 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.05 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

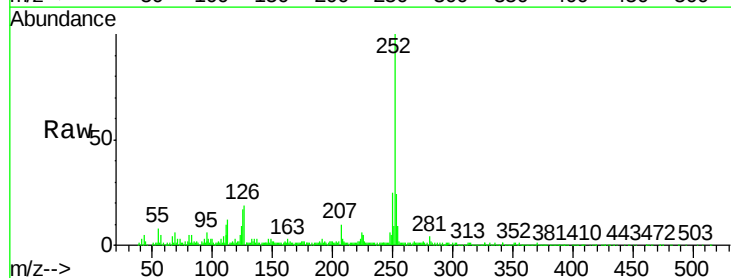
Tgt Ion:252 Resp: 458329

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

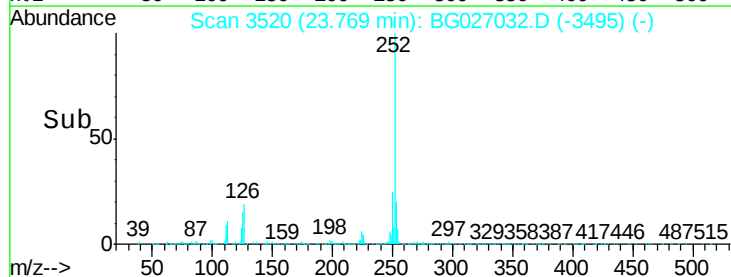
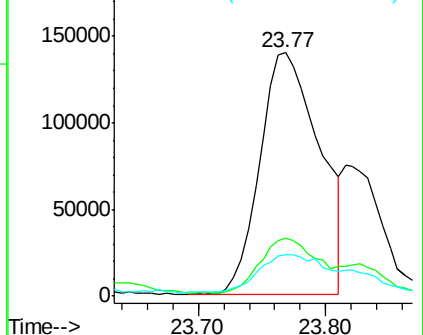
125 16.8 8.1 12.1#

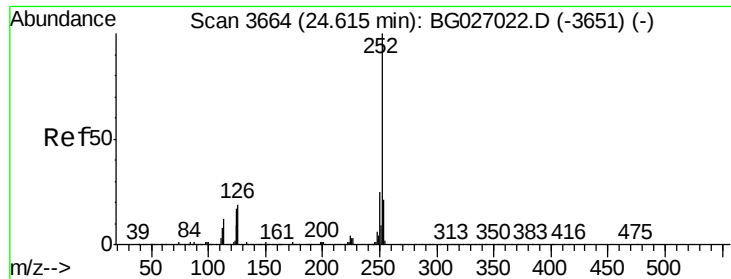


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.46 ng/ul

RT: 24.63 min Scan# 3666

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

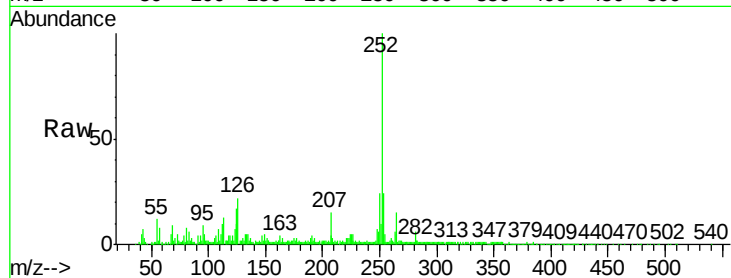
Instrument :

BNA_G

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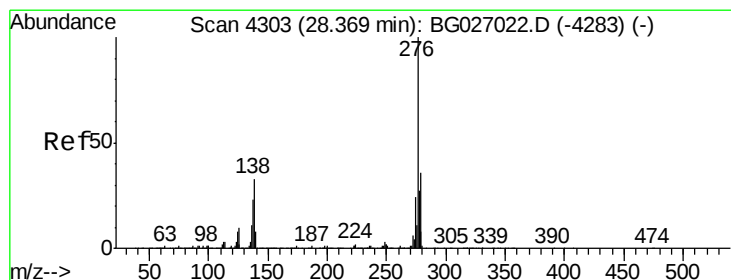
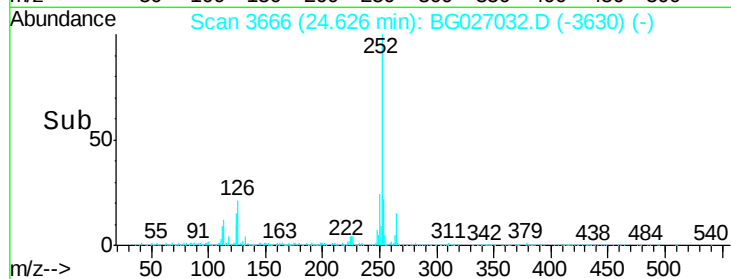
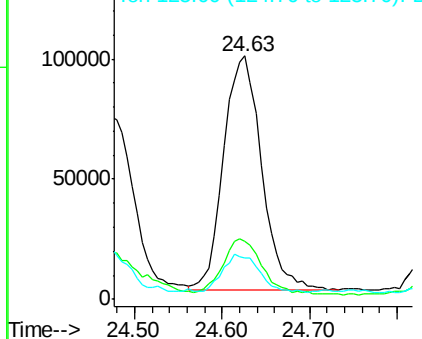
Tgt Ion:	252	Resp:	291092
Ion Ratio		Lower	Upper
252	100		
253	24.1	17.2	25.8
125	17.2	8.2	12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.01 ng/ul

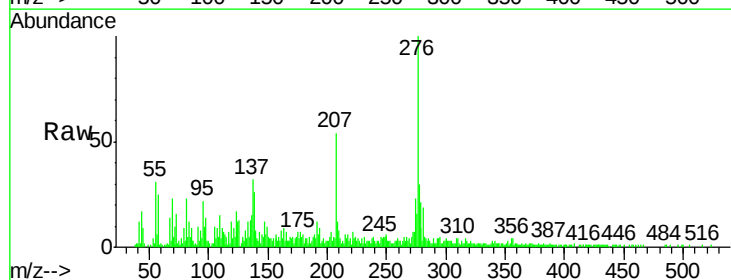
RT: 28.38 min Scan# 4305

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

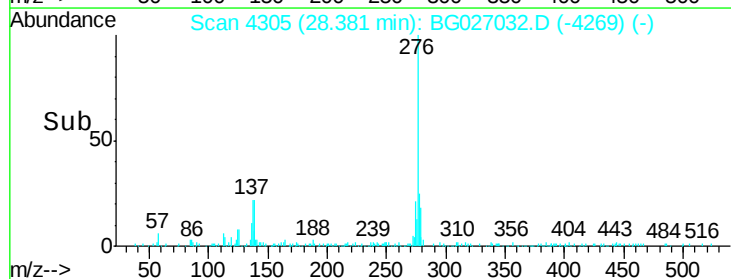
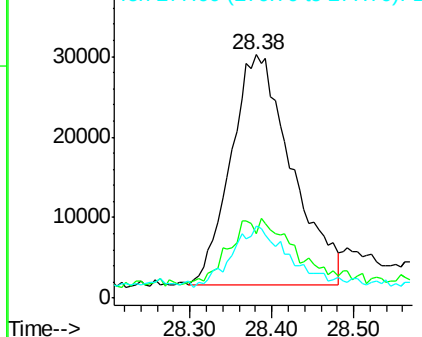
Tgt Ion:	276	Resp:	147340
Ion Ratio		Lower	Upper
276	100		
138	33.4	14.4	21.6#
277	29.6	18.0	27.0#

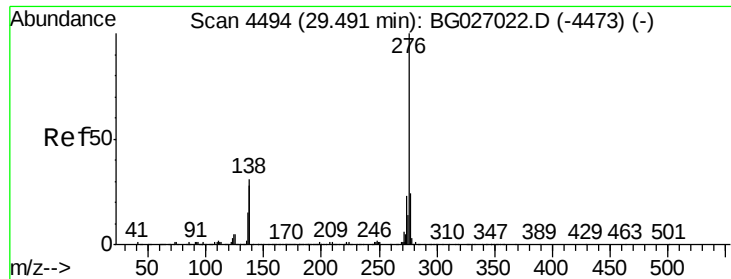


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(g,h,i)perylene

Concen: 1.37 ng/ul

RT: 29.50 min Scan# 4496

Delta R.T. 0.01 min

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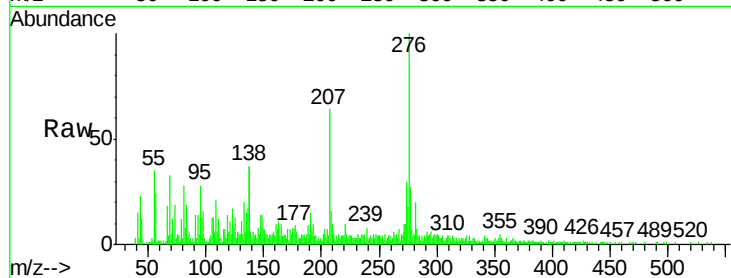
Tgt Ion: 276 Resp: 53499

Ion Ratio Lower Upper

276 100

138 37.0 15.3 22.9#

277 27.2 19.0 28.4



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

