

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082517\
 Data File : BG028485.D
 Acq On : 25 Aug 2017 10:06
 Operator : SJ/JU
 Sample : I4840-11DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 25 23:11:59 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 25 23:11:18 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	36238	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	162462	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	117295	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	278308	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	322734	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	317884	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	553	0.71	ng/uL	0.00
5) Phenol-d5	7.50	99	18526	4.65	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.66	67	11520	4.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	13260	5.28	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	15161	4.56	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	6826	5.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	7835	5.63	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.78	165	15831	5.49	ng/ul	0.01
29) 4-Chloroaniline-d4	11.29	131	8340	2.60	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	58291	5.59	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	63471	5.40	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	5665	3.42	ng/ul	0.01
57) Fluorene-d10	15.94	176	47077	5.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	5285	2.92	ng/ul	0.00
70) Anthracene-d10	17.80	188	78220	5.86	ng/ul	0.00
76) Pyrene-d10	20.07	212	92191	5.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	87032	5.85	ng/ul	0.00

Target Compounds

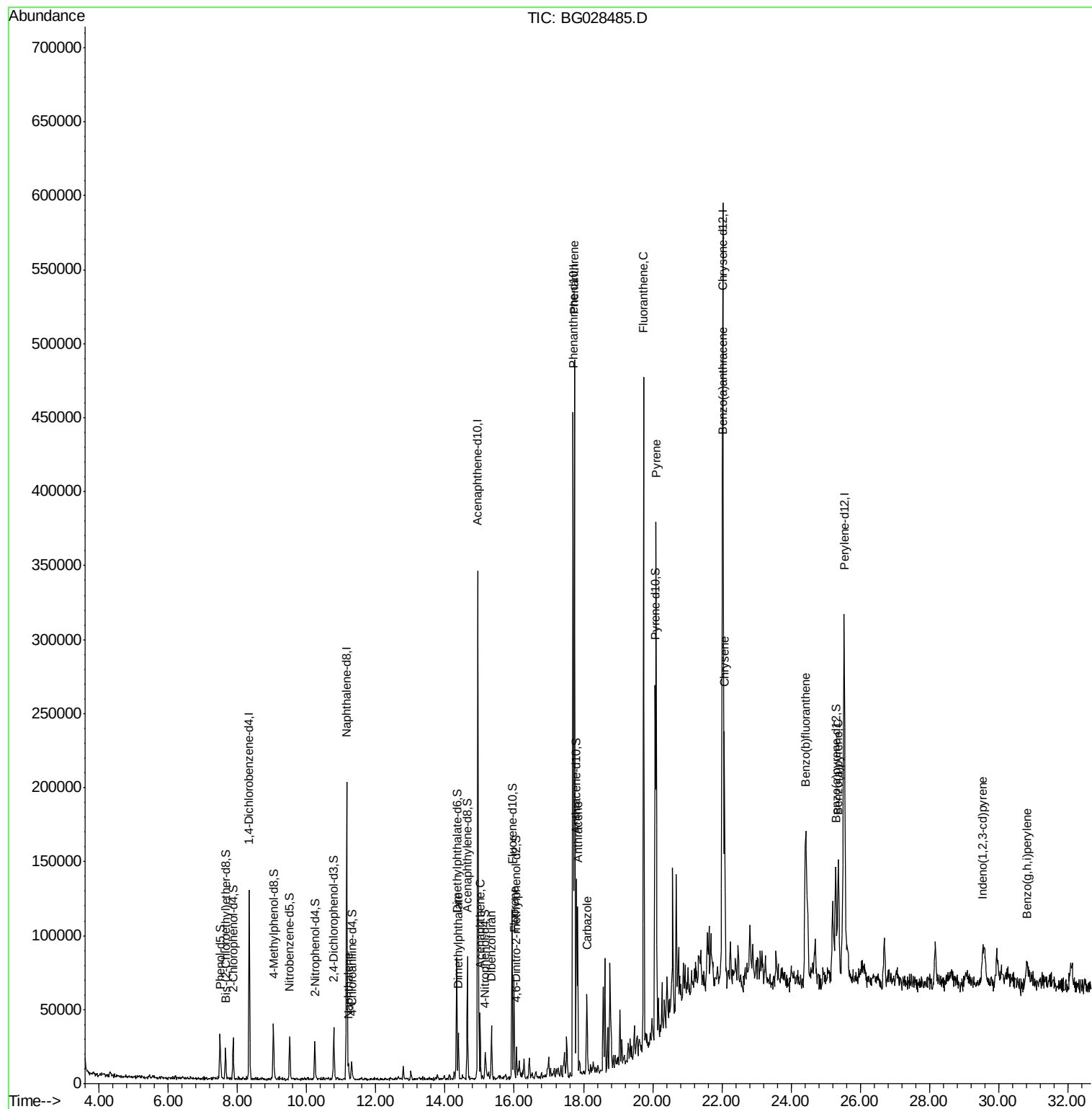
					Ovalue	
28) Naphthalene	11.21	128	8661	1.076	ng/ul#	94
44) Dimethylphthalate	14.38	163	20186	2.101	ng/ul#	94
49) Acenaphthene	15.01	153	19522	2.574	ng/ul	91
53) Dibenzofuran	15.34	168	23712	2.144	ng/ul	88
58) Fluorene	15.99	166	31918	3.260	ng/ul#	99
69) Phenanthrene	17.74	178	308094	21.997	ng/ul	99
71) Anthracene	17.83	178	78171	5.461	ng/ul	97
72) Carbazole	18.10	167	36140	2.903	ng/ul	99
74) Fluoranthene	19.74	202	291277	17.112	ng/ul	99
77) Pyrene	20.10	202	231310	12.013	ng/ul	98
80) Benzo(a)anthracene	22.01	228	150214	8.056	ng/ul	99
82) Chrysene	22.08	228	127399	7.586	ng/ul	98
85) Benzo(b)fluoranthene	24.41	252	189889	9.982	ng/ul#	99
88) Benzo(a)pyrene	25.36	252	101442	5.508	ng/ul	94
89) Indeno(1,2,3-cd)pyrene	29.56	276	54441	2.524	ng/ul#	89
91) Benzo(g,h,i)perylene	30.83	276	41173	2.320	ng/ul#	94

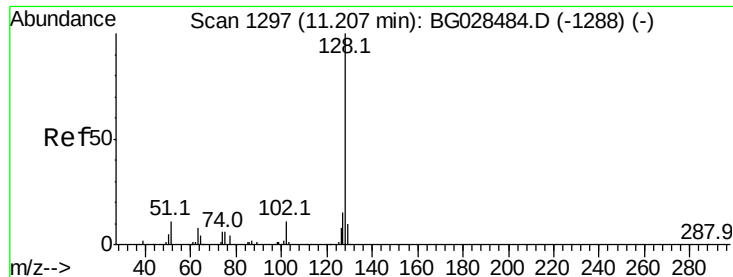
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 1.076 ng/ul

RT: 11.21 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

Instrument :

BNA_G

ClientSampleId :

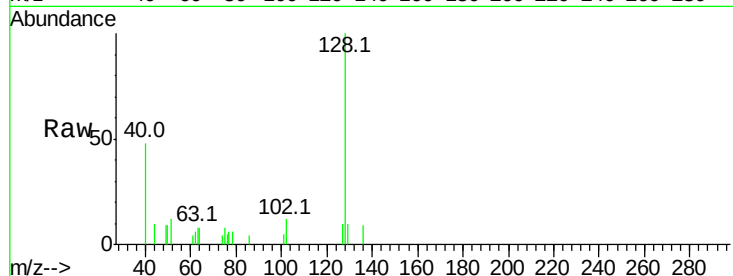
Tot Ion:128 Resp: 8661

Ion Ratio Lower Upper

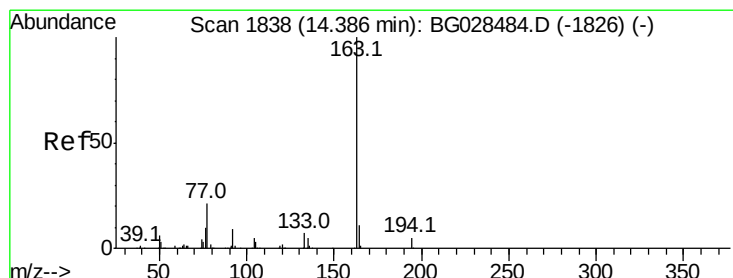
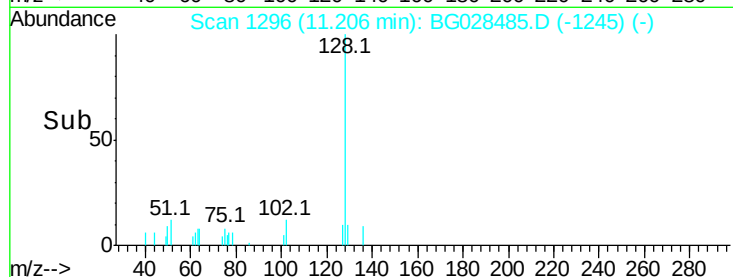
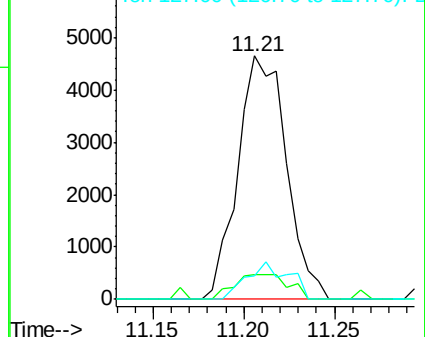
128 100

129 10.3 9.4 14.2

127 9.8 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#44

Dimethylphthalate

Concen: 2.101 ng/ul

RT: 14.38 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

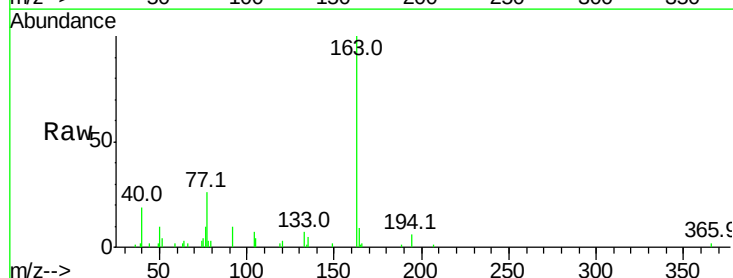
Tgt Ion:163 Resp: 20186

Ion Ratio Lower Upper

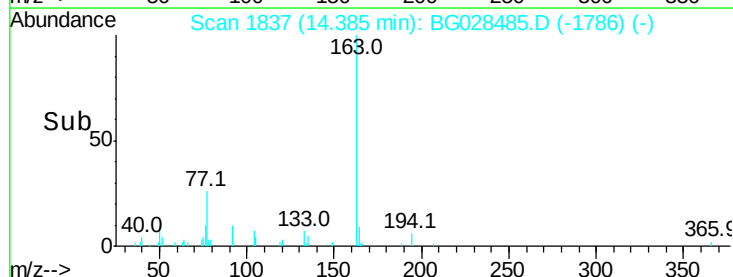
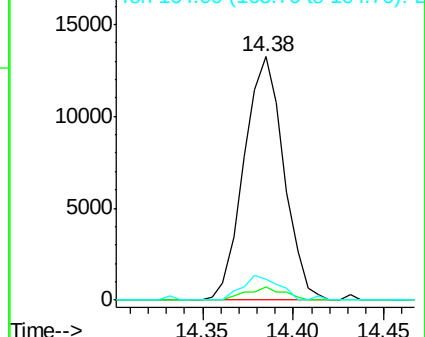
163 100

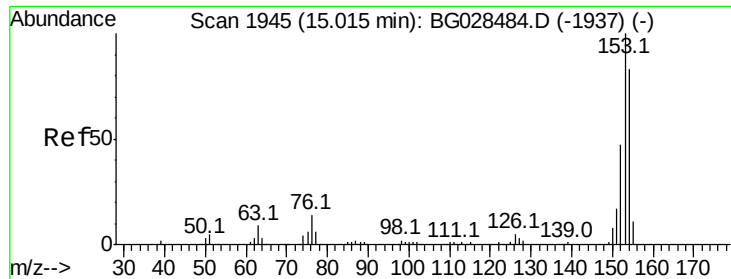
194 5.7 3.4 5.0#

164 8.6 9.0 13.4#



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





#49

Acenaphthene

Concen: 2.574 ng/ul

RT: 15.01 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

Instrument :

BNA_G

ClientSampleId :

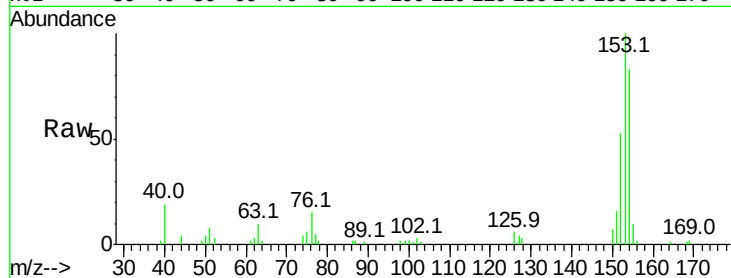
Tot Ion:153 Resp: 19522

Ion Ratio Lower Upper

153 100

152 52.5 36.5 54.7

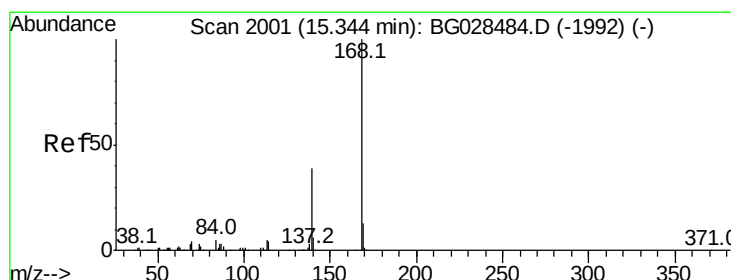
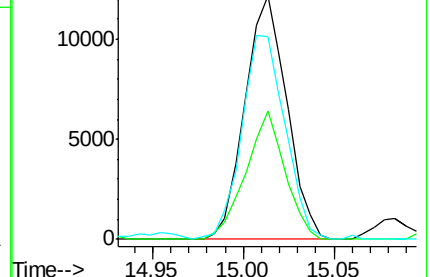
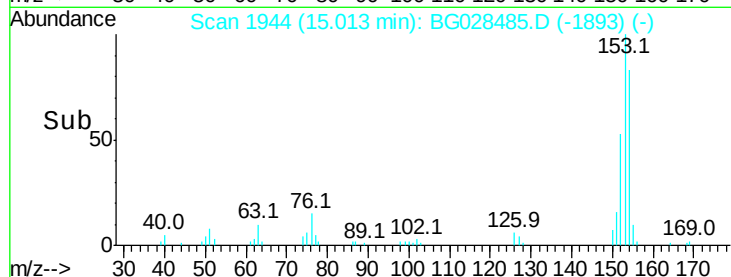
154 83.1 72.3 108.5



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



#53

Dibenzofuran

Concen: 2.144 ng/ul

RT: 15.34 min Scan# 2000

Delta R.T. -0.00 min

Lab File: BG028485.D

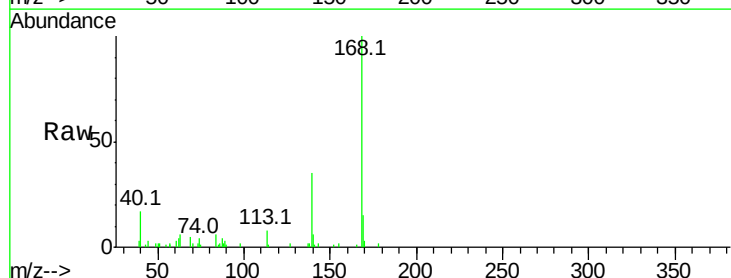
Acq: 25 Aug 2017 10:06

Tgt Ion:168 Resp: 23712

Ion Ratio Lower Upper

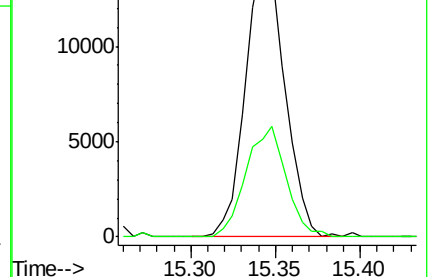
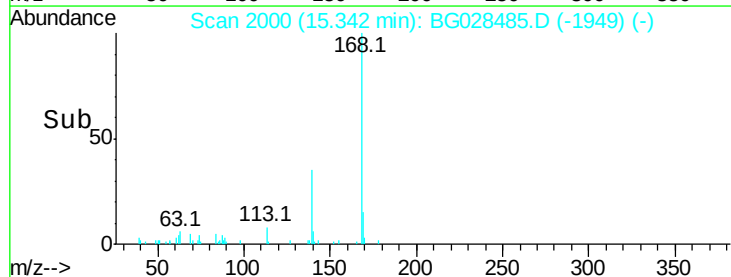
168 100

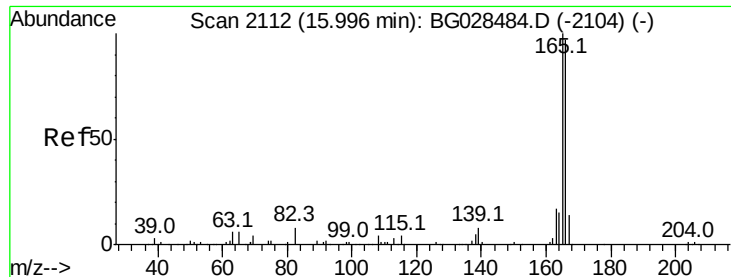
139 34.7 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

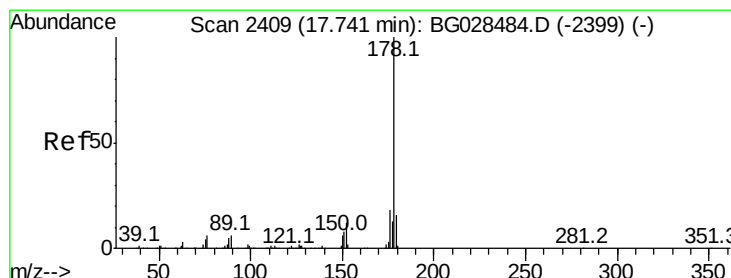
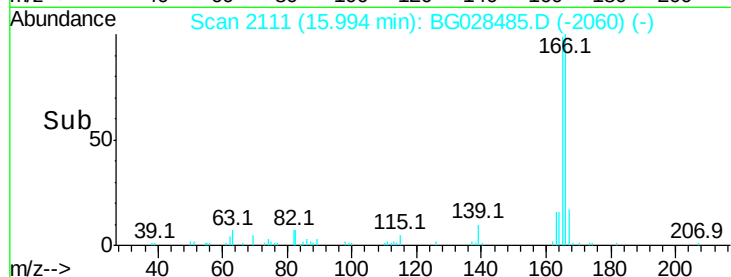
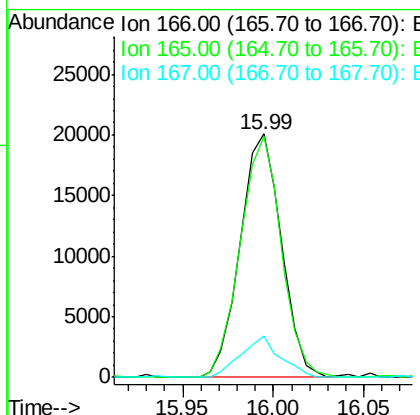
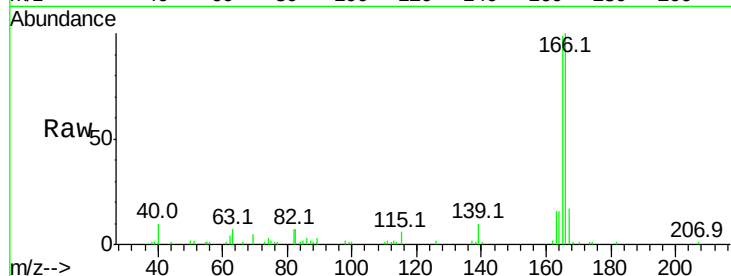




#58
 Fluorene
 Concen: 3.260 ng/ul
 RT: 15.99 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: BG028485.D
 Acq: 25 Aug 2017 10:06

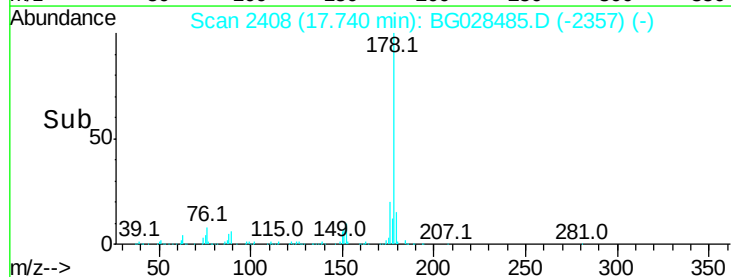
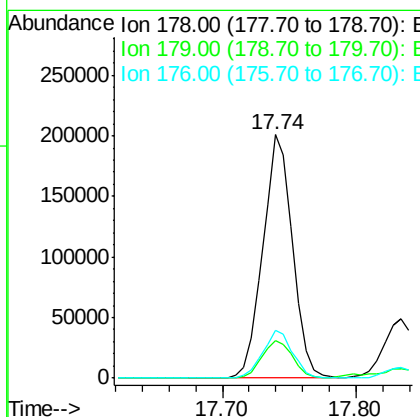
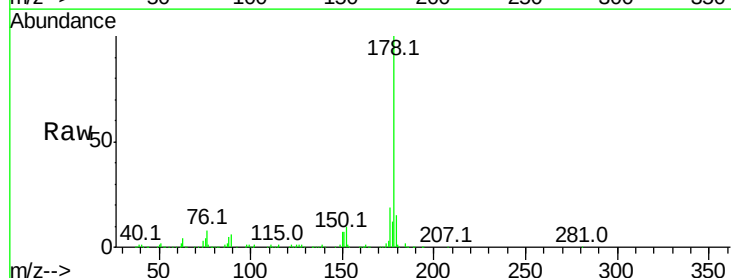
Instrument :
 BNA_G
 ClientSampleId :

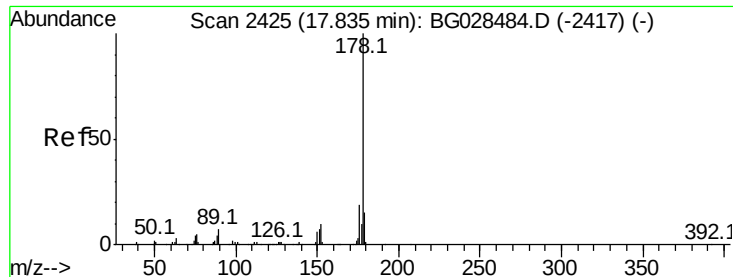
Tot Ion:166 Resp: 31918
 Ion Ratio Lower Upper
 166 100
 165 99.2 79.7 119.5
 167 17.3 11.4 17.2#



#69
 Phenanthrene
 Concen: 21.997 ng/ul
 RT: 17.74 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG028485.D
 Acq: 25 Aug 2017 10:06

Tgt Ion:178 Resp: 308094
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.4 18.6
 176 19.5 16.5 24.7

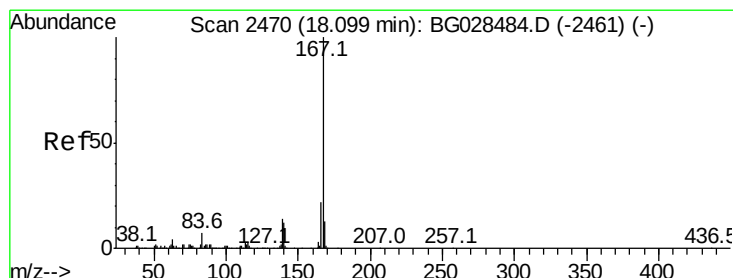
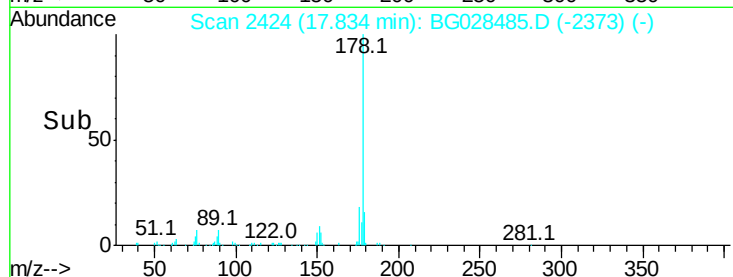
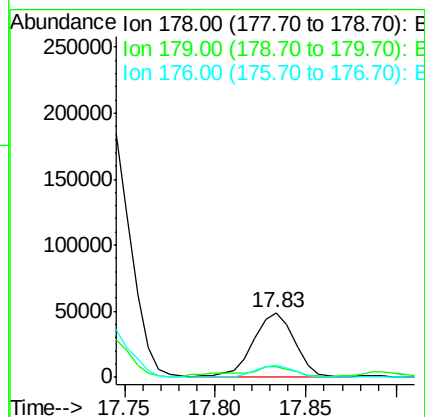
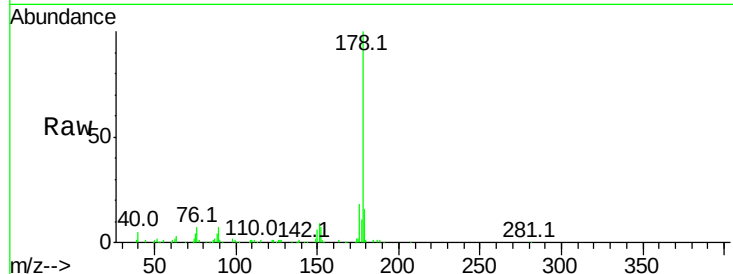




#71
 Anthracene
 Concen: 5.461 ng/ul
 RT: 17.83 min Scan# 2424
 Delta R.T. -0.00 min
 Lab File: BG028485.D
 Acq: 25 Aug 2017 10:06

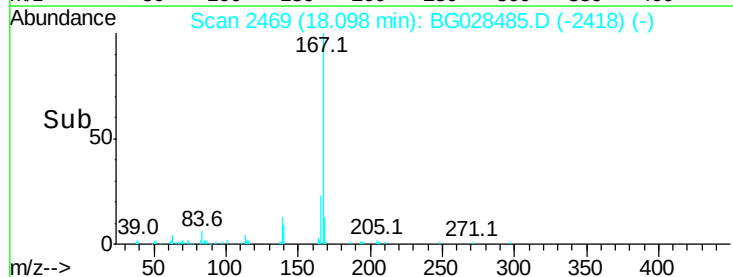
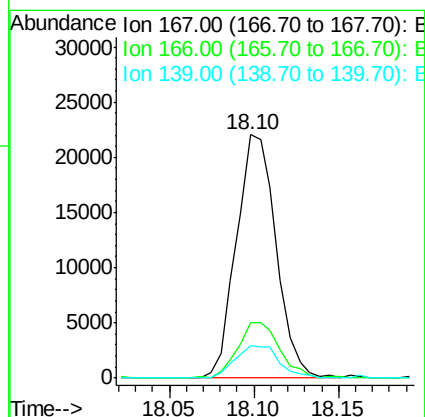
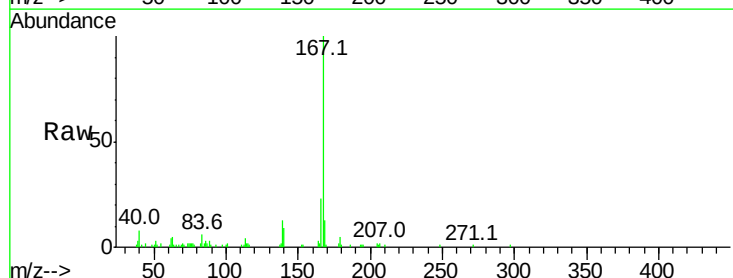
Instrument :
 BNA_G
 ClientSampleId :

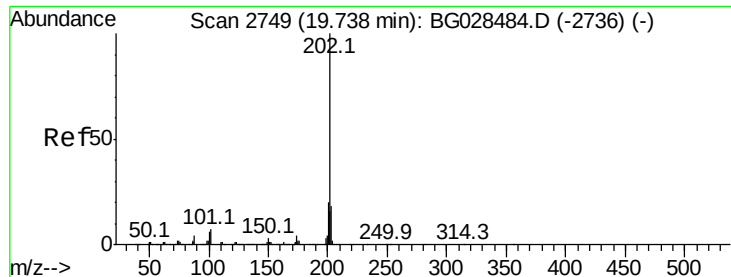
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	19.0
176	18.2	15.9	23.9



#72
 Carbazole
 Concen: 2.903 ng/ul
 RT: 18.10 min Scan# 2469
 Delta R.T. -0.00 min
 Lab File: BG028485.D
 Acq: 25 Aug 2017 10:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.9	26.9
139	13.3	10.5	15.7





#74

Fluoranthene

Concen: 17.112 ng/ul

RT: 19.74 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

Instrument :

BNA_G

ClientSampleId :

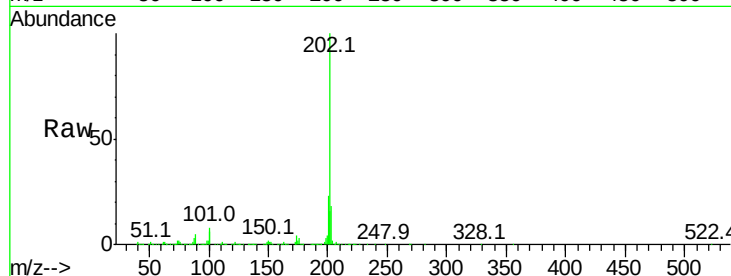
Tot Ion:202 Resp: 291277

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.2

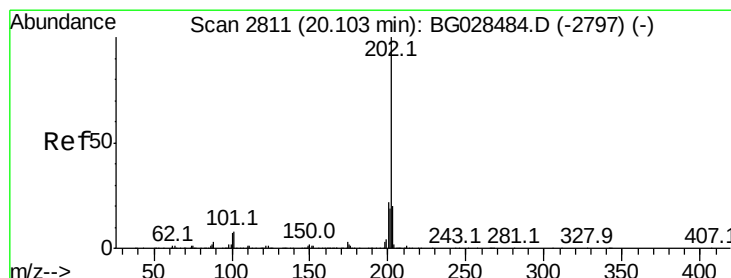
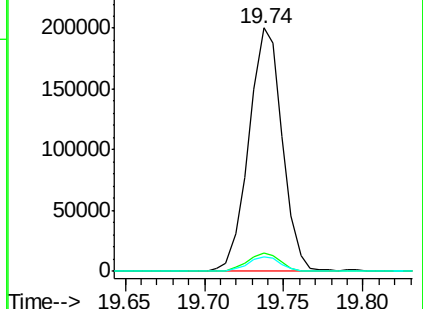
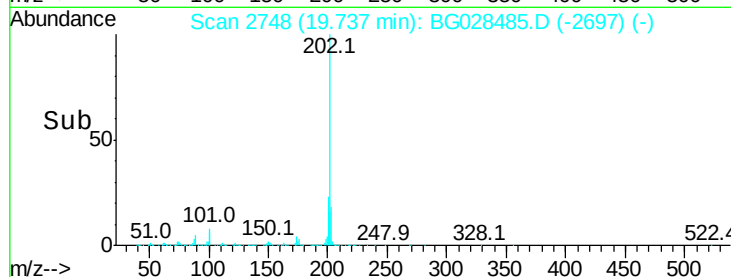
100 6.2 5.2 7.8



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



#77

Pyrene

Concen: 12.013 ng/ul

RT: 20.10 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

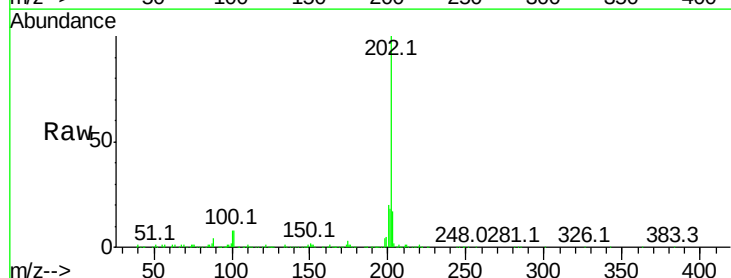
Tgt Ion:202 Resp: 231310

Ion Ratio Lower Upper

202 100

101 7.6 6.9 10.3

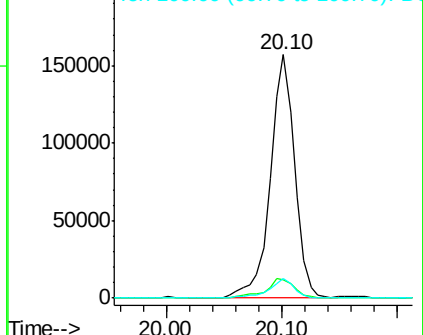
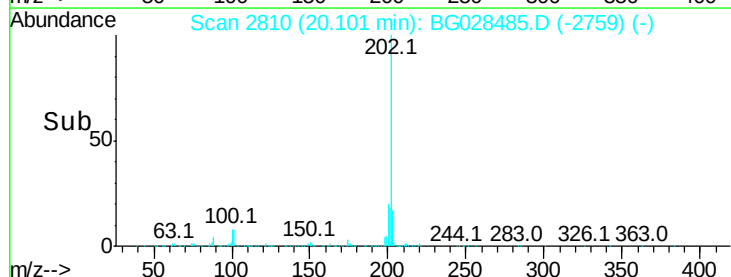
100 8.2 6.6 10.0

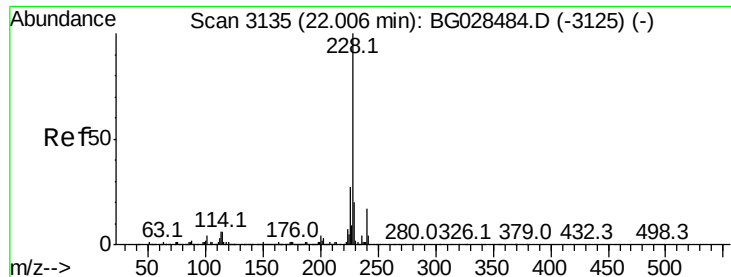


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 8.056 ng/ul

RT: 22.01 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

Instrument :

BNA_G

ClientSampleId :

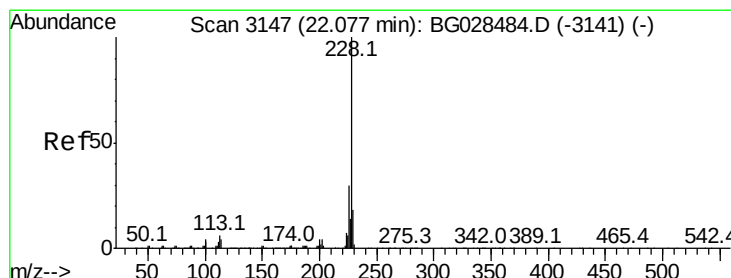
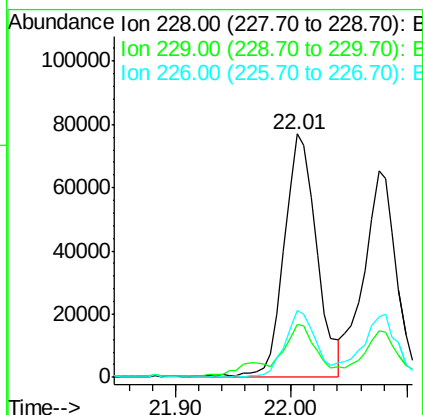
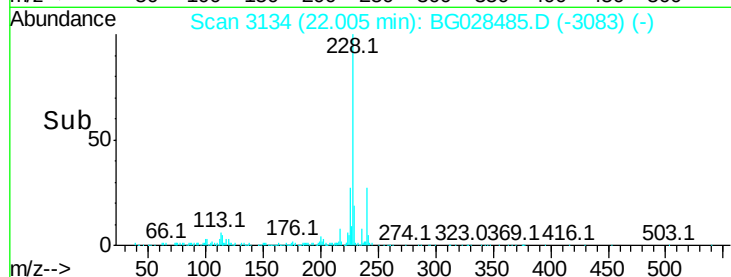
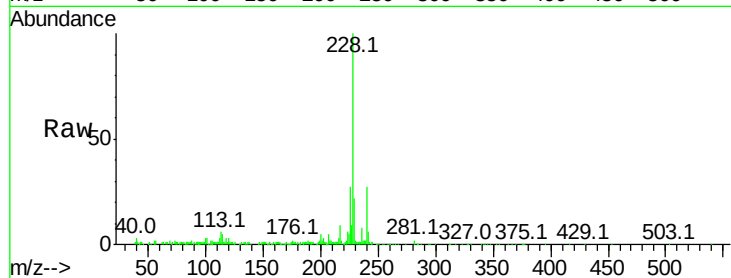
Tot Ion:228 Resp: 150214

Ion Ratio Lower Upper

228 100

229 21.8 16.3 24.5

226 27.5 21.9 32.9



#82

Chrysene

Concen: 7.586 ng/ul

RT: 22.08 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

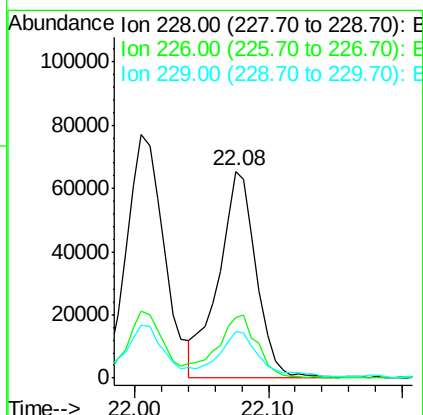
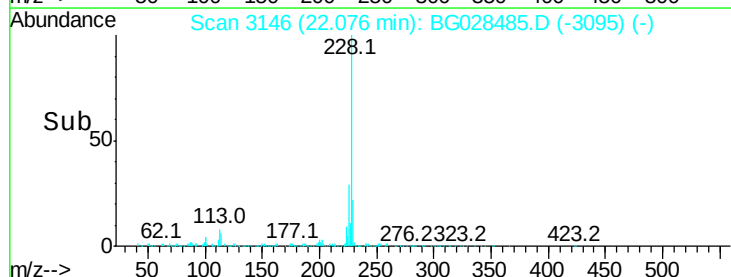
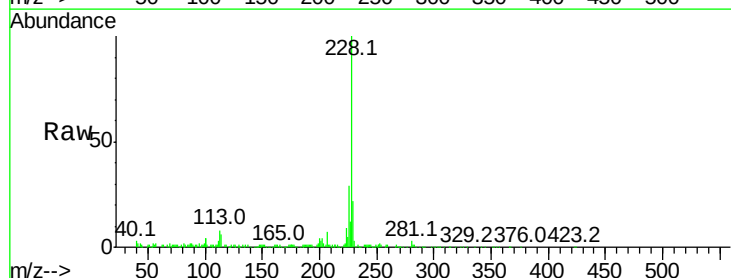
Tgt Ion:228 Resp: 127399

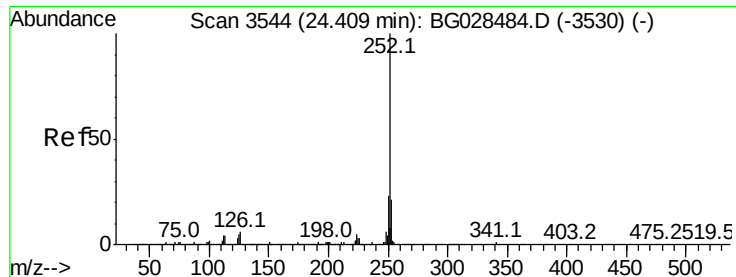
Ion Ratio Lower Upper

228 100

226 29.3 24.0 36.0

229 22.2 16.9 25.3





#85

Benzo(b)fluoranthene

Concen: 9.982 ng/ul

RT: 24.41 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

Instrument :

BNA_G

ClientSampleId :

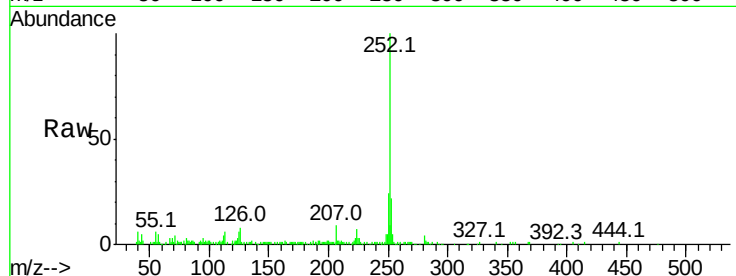
Tot Ion:252 Resp: 189889

Ion Ratio Lower Upper

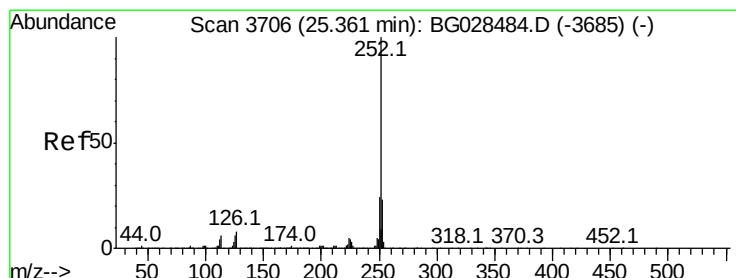
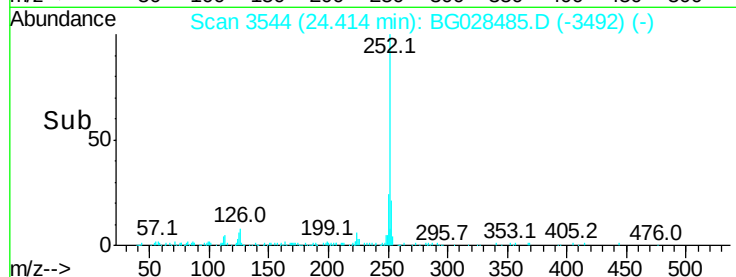
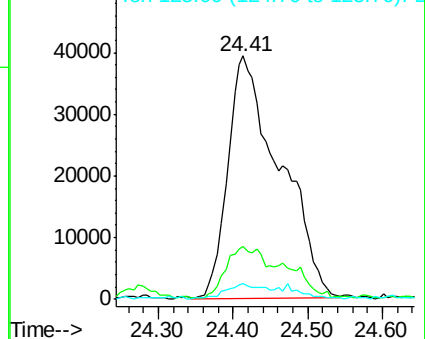
252 100

253 21.7 17.7 26.5

125 6.4 4.0 6.0#



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



#88

Benzo(a)pyrene

Concen: 5.508 ng/ul

RT: 25.36 min Scan# 3705

Delta R.T. -0.00 min

Lab File: BG028485.D

Acq: 25 Aug 2017 10:06

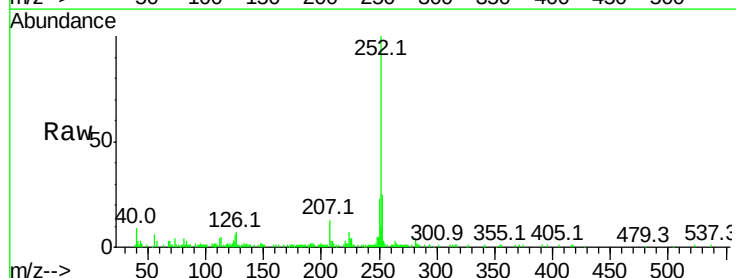
Tgt Ion:252 Resp: 101442

Ion Ratio Lower Upper

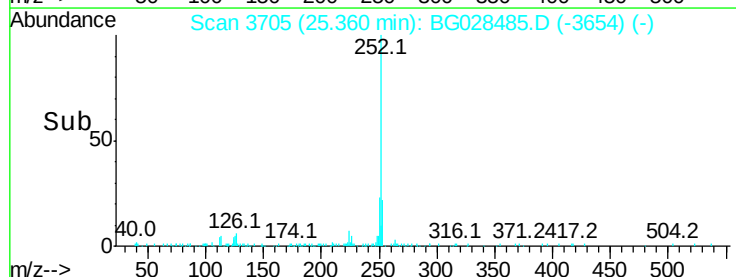
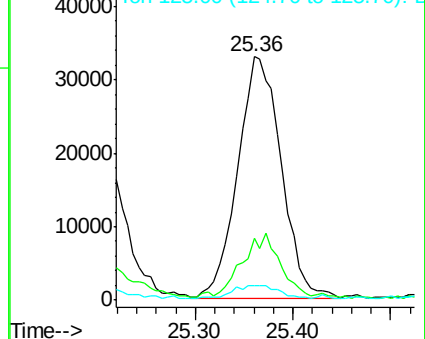
252 100

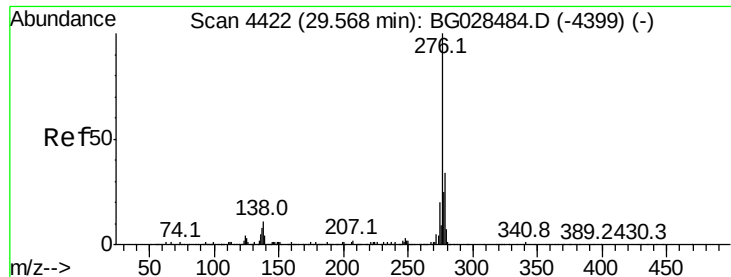
253 25.2 17.8 26.6

125 5.8 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



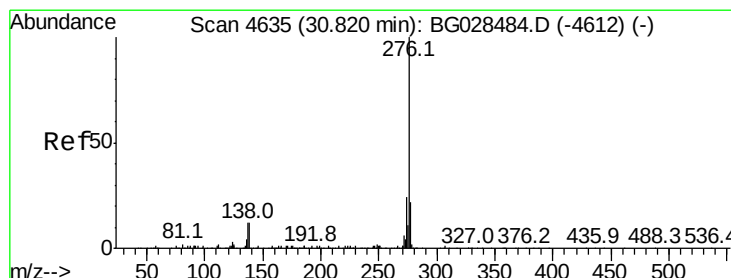
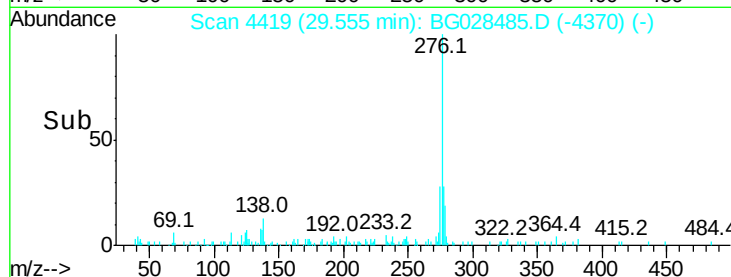
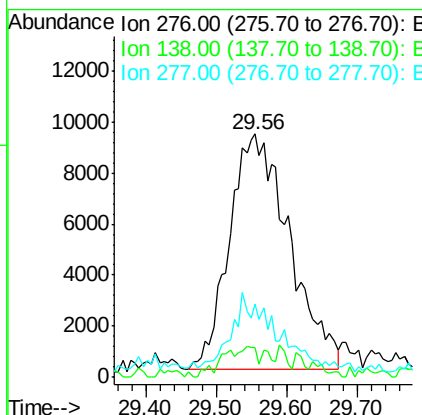
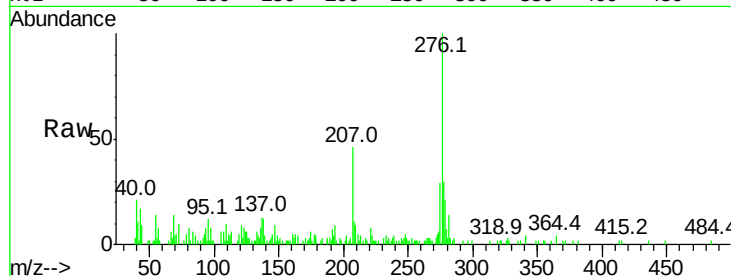


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.524 ng/ul
RT: 29.56 min Scan# 4419
Delta R.T. -0.01 min
Lab File: BG028485.D
Acq: 25 Aug 2017 10:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.0	8.2	12.4
277	30.3	18.6	28.0



#91

Benzo(g,h,i)perylene
Concen: 2.320 ng/ul
RT: 30.83 min Scan# 4636
Delta R.T. 0.01 min
Lab File: BG028485.D
Acq: 25 Aug 2017 10:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	8.6	12.8
277	22.5	17.6	26.4

