

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
 Data File : BG028284.D
 Acq On : 11 Aug 2017 7:53
 Operator : SJ/JU
 Sample : I4550-06
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AF8

Manual Integrations
 APPROVED

Sohil
 8/14/2017 4:03:21 PM

Quant Time: Aug 11 15:31:42 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 11 04:08:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	51243	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	225638	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	154062	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	360663m	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	409515	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	392681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.85	96	3527	3.21	ng/uL	0.00
5) Phenol-d5	7.50	99	83317	14.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	59438	16.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	52955	14.92	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	67386	14.33	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	31654	17.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	22996	11.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	53000	13.24	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	71110	15.96	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	243942	17.80	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	281524	18.22	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	700	0.32	ng/ul	0.03
57) Fluorene-d10	15.95	176	207664	16.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	973m	0.42	ng/ul	0.00
70) Anthracene-d10	17.80	188	316777	18.32	ng/ul	0.00
76) Pyrene-d10	20.08	212	374693	17.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	344940	18.76	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.53	94	14548	2.601	ng/ul#	83
28) Naphthalene	11.22	128	33110	2.963	ng/ul	97
34) 2-Methylnaphthalene	12.80	142	18476	2.058	ng/ul	96
44) Dimethylphthalate	14.40	163	73176	5.800	ng/ul	99
49) Acenaphthene	15.02	153	22135	2.222	ng/ul	89
53) Dibenzofuran	15.35	168	41748	2.874	ng/ul	92
58) Fluorene	16.00	166	38995	3.033	ng/ul	92
69) Phenanthrene	17.75	178	696723m	38.386	ng/ul	
71) Anthracene	17.84	178	93322	5.031	ng/ul	96
72) Carbazole	18.11	167	88117	5.462	ng/ul	98
74) Fluoranthene	19.75	202	1049251	47.567	ng/ul	99
77) Pyrene	20.11	202	857930	35.115	ng/ul	99
80) Benzo(a)anthracene	22.02	228	432703	18.287	ng/ul	99
82) Chrysene	22.09	228	416443	19.542	ng/ul	97
85) Benzo(b)fluoranthene	24.42	252	542690m	23.095	ng/ul	
86) Benzo(k)fluoranthene	24.48	252	185477	8.081	ng/ul	98
88) Benzo(a)pyrene	25.38	252	377645	16.598	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.54	276	265026	9.947	ng/ul#	98
90) Dibenzo(a,h)anthracene	29.59	278	62458	2.797	ng/ul#	96
91) Benzo(g,h,i)perylene	30.81	276	208144	9.496	ng/ul	94

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

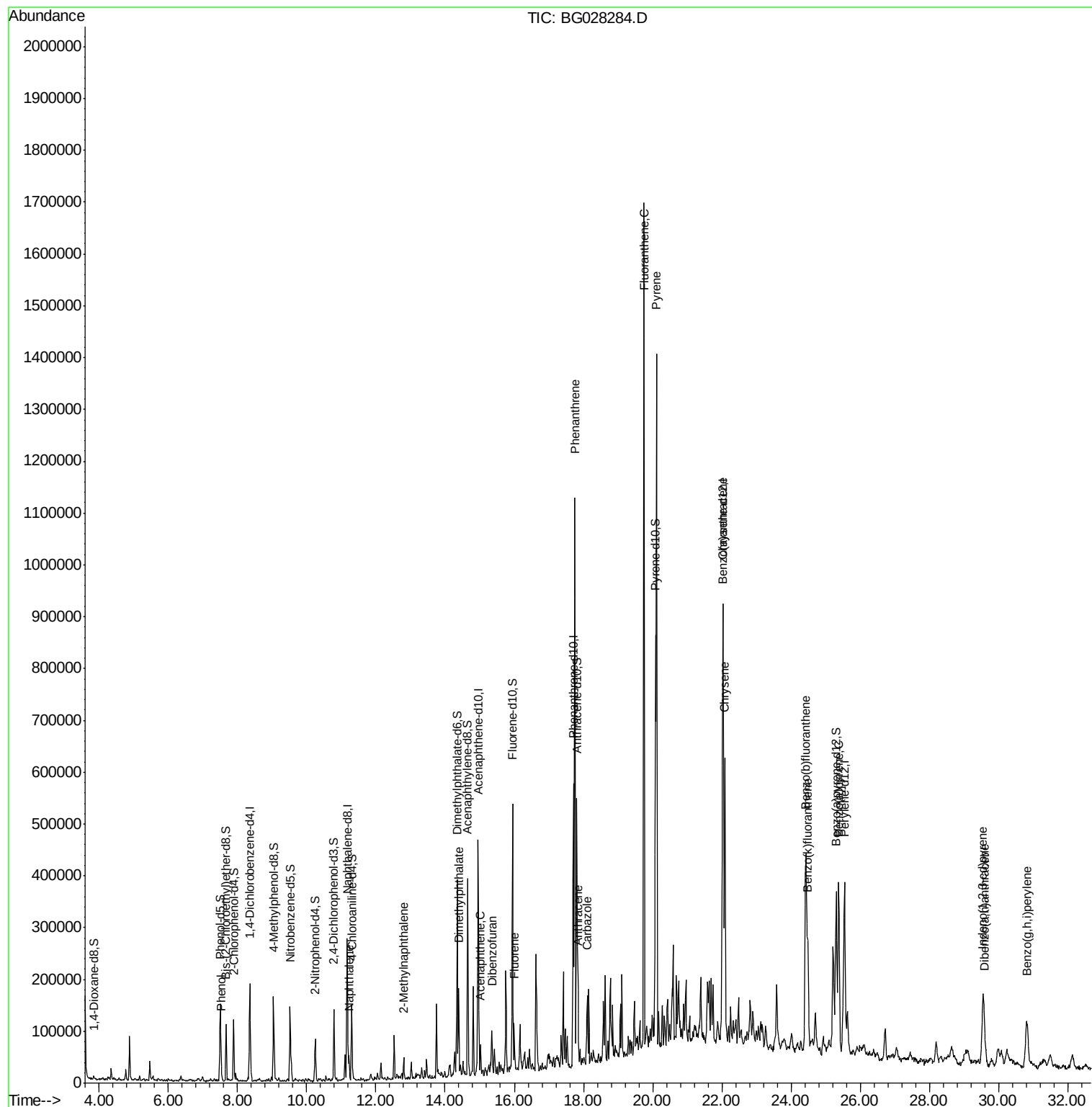
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\
Data File : BG028284.D
Acq On : 11 Aug 2017 7:53
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Misc :
ALS Vial : 29 Sample Multiplier: 1

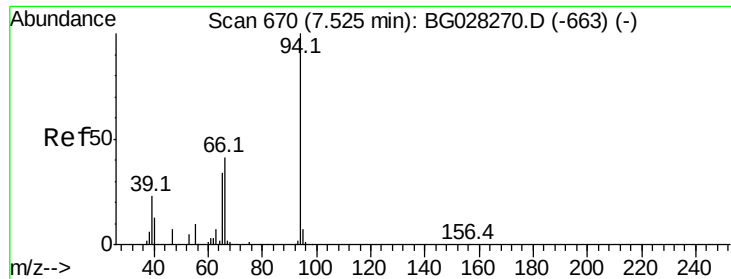
Instrument :
BNA_G
ClientSampled :
C0AF8

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Quant Time: Aug 11 15:31:42 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 11 04:08:50 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.601 ng/ul

RT: 7.53 min Scan# 671

Delta R.T. 0.01 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

ClientSampled :

C0AF8

Tot Ion: 94 Resp: 14548

Ion Ratio Lower Upper

94 100

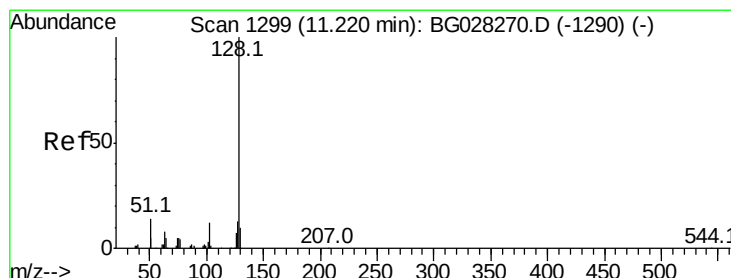
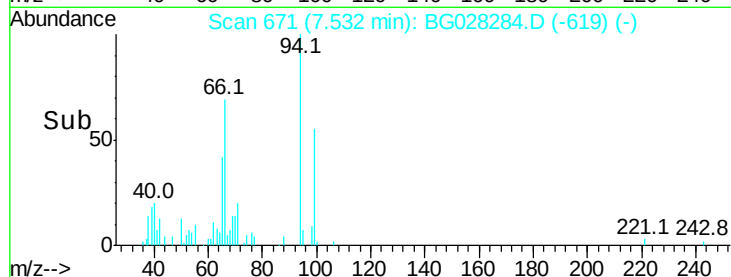
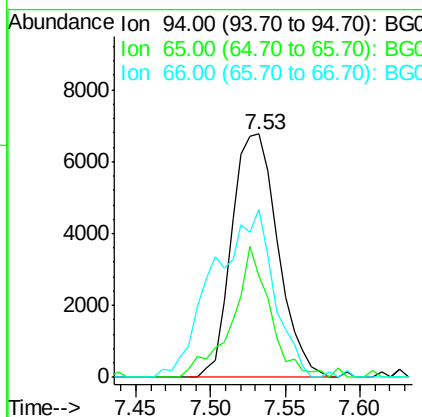
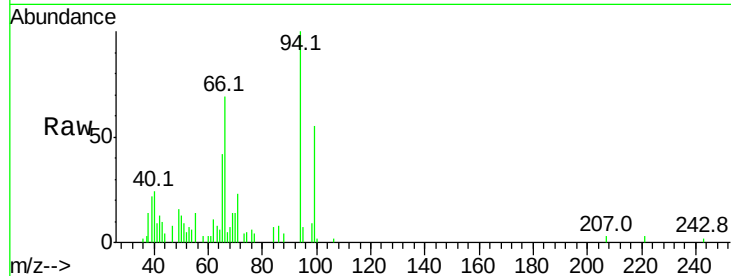
65 41.6 26.8 40.2#

66 68.9 44.4 66.6#

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#28

Naphthalene

Concen: 2.963 ng/ul

RT: 11.22 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

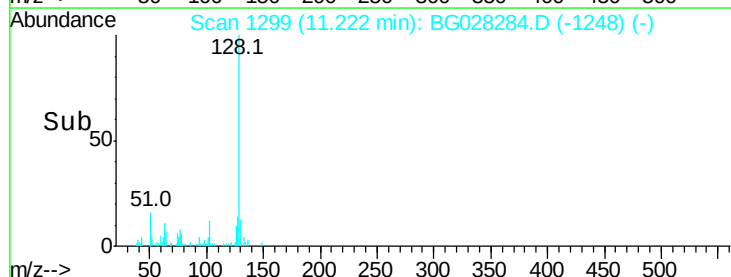
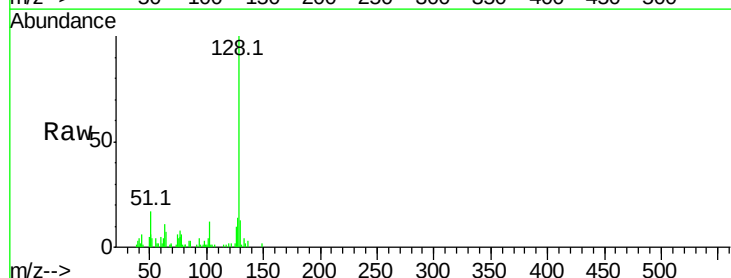
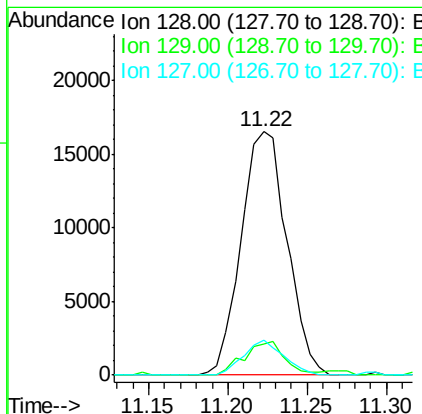
Tgt Ion:128 Resp: 33110

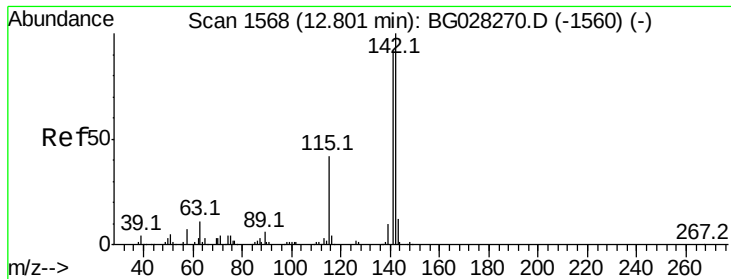
Ion Ratio Lower Upper

128 100

129 12.8 9.4 14.2

127 14.2 10.3 15.5





#34

2-Methylnaphthalene

Concen: 2.058 ng/ul

RT: 12.80 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

ClientSampled :

C0AF8

Tot Ion:142 Resp: 18476

Ion Ratio Lower Upper

142 100

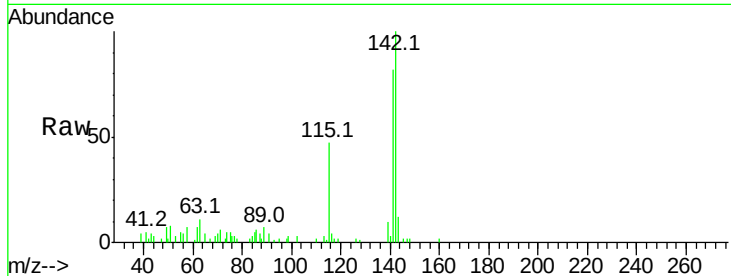
141 82.4 68.6 102.8

Manual Integrations

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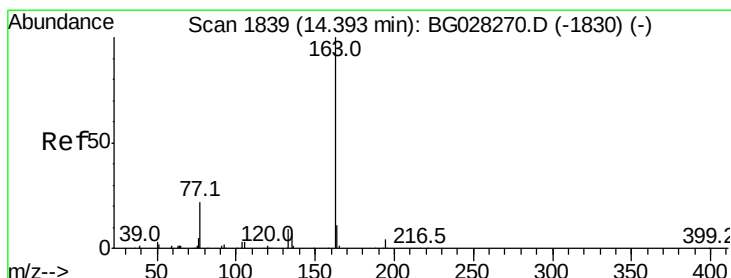
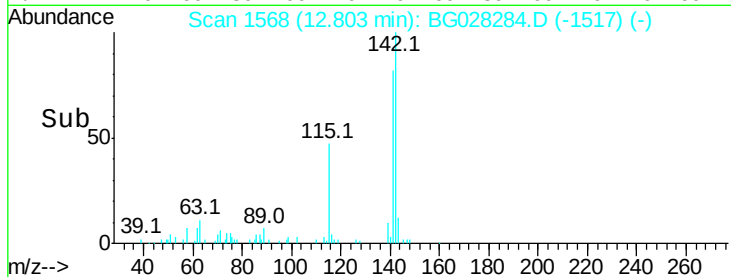
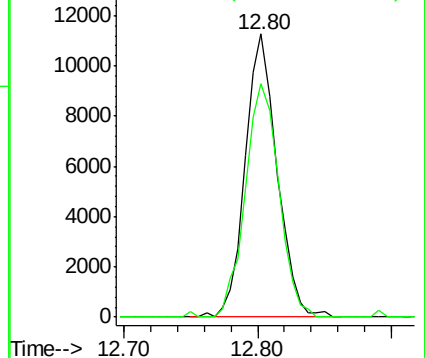
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 5.800 ng/ul

RT: 14.40 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

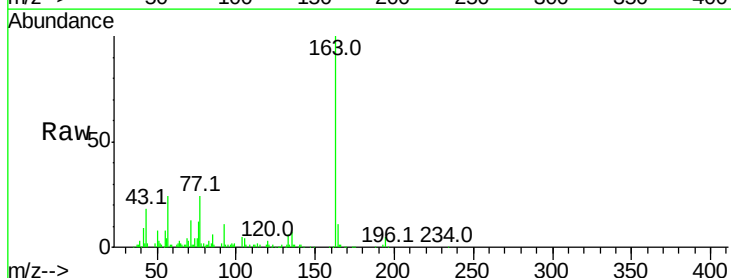
Tgt Ion:163 Resp: 73176

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

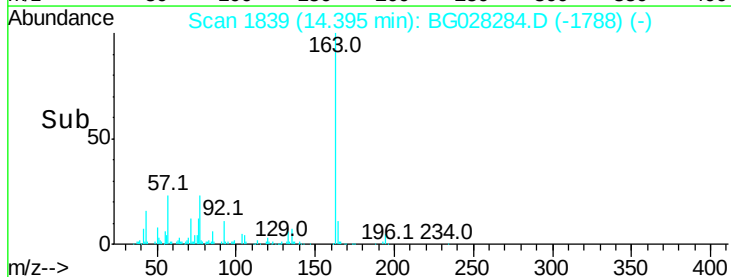
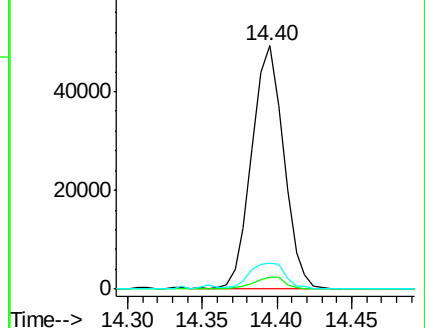
164 10.8 9.0 13.4

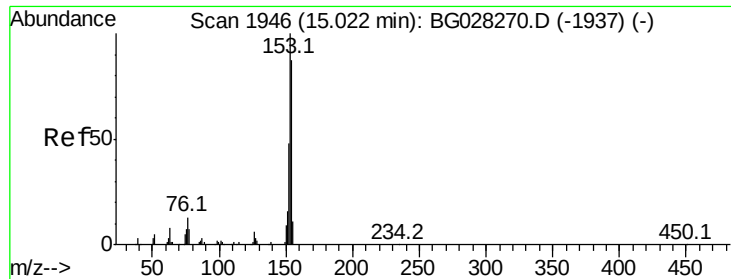


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.222 ng/ul

RT: 15.02 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

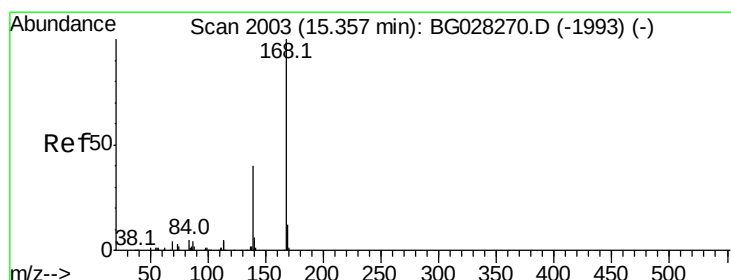
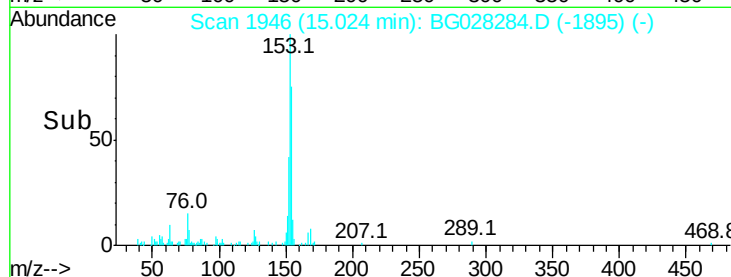
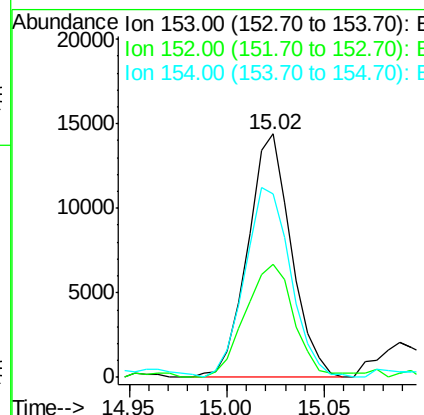
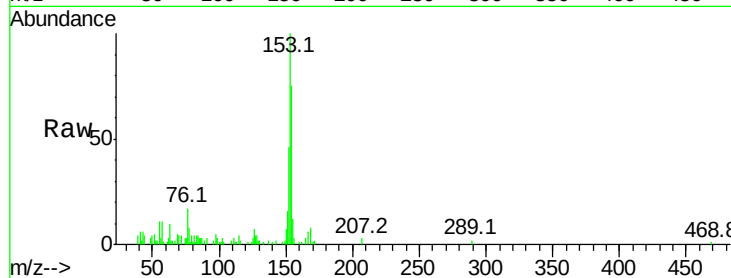
ClientSampleId :

C0AF8

Tot Ion:153	Resp:	22135
Ion Ratio	Lower	Upper
153	100	
152	46.3	36.5 54.7
154	75.1	72.3 108.5

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#53

Dibenzofuran

Concen: 2.874 ng/ul

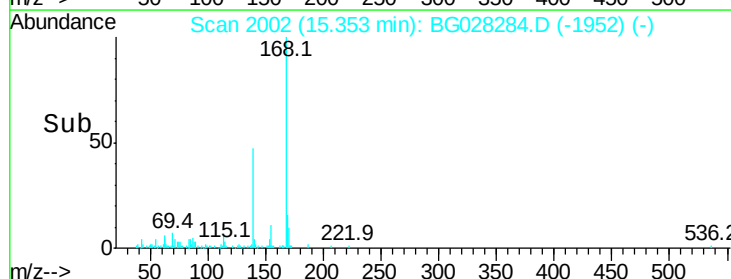
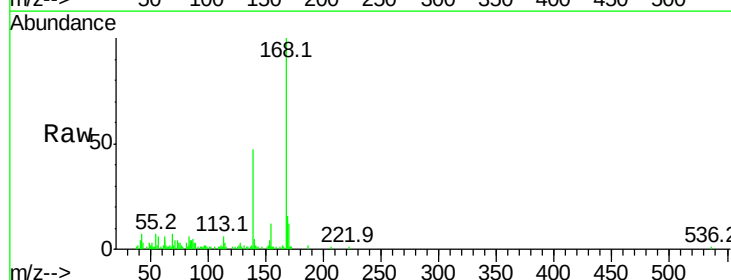
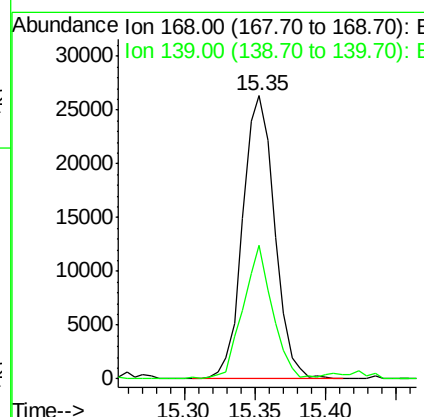
RT: 15.35 min Scan# 2002

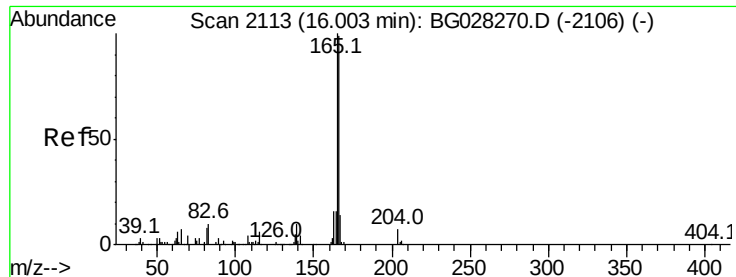
Delta R.T. -0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Tgt Ion:168	Resp:	41748
Ion Ratio	Lower	Upper
168	100	
139	47.1	33.8 50.8





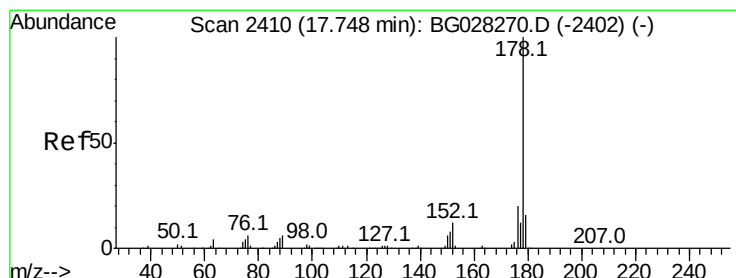
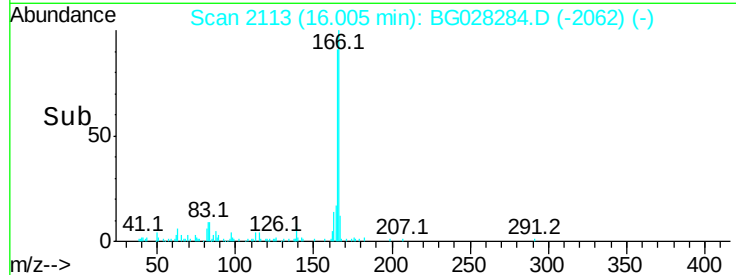
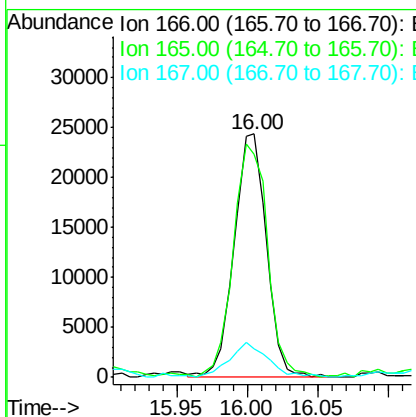
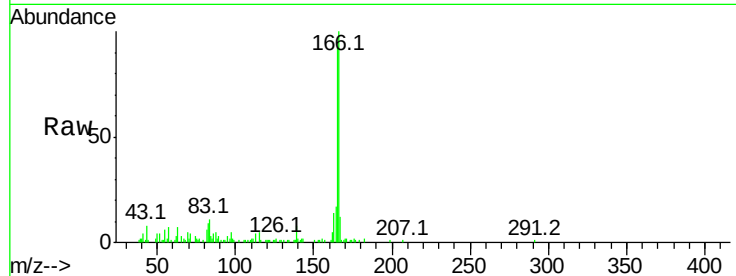
#58
 Fluorene
 Concen: 3.033 ng/ul
 RT: 16.00 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: BG028284.D
 Acq: 11 Aug 2017 7:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	91.9	79.7	119.5	
167	11.8	11.4	17.2	

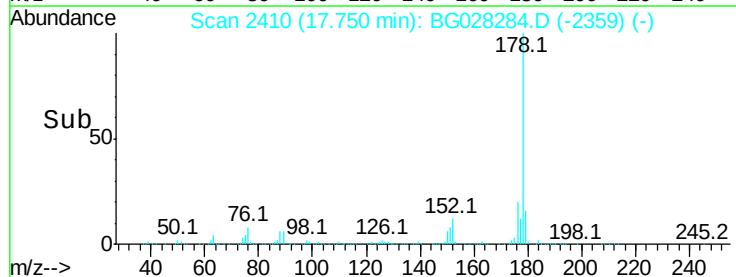
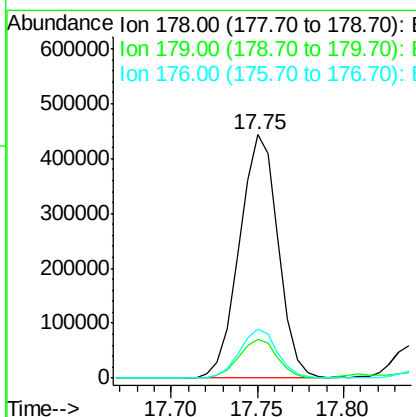
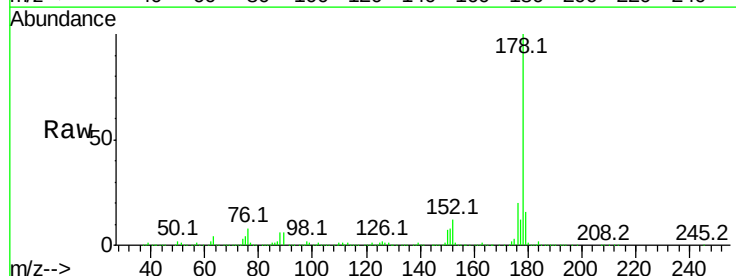
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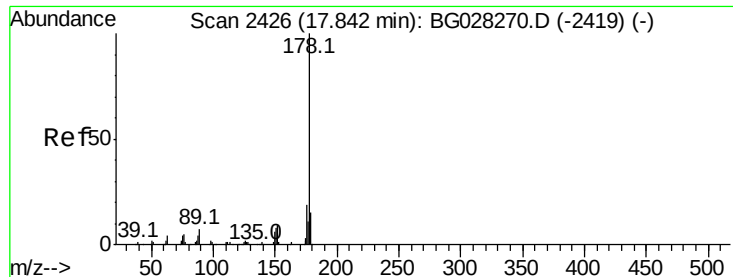
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#69
 Phenanthrene
 Concen: 38.386 ng/ul m
 RT: 17.75 min Scan# 2410
 Delta R.T. 0.00 min
 Lab File: BG028284.D
 Acq: 11 Aug 2017 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	15.8	12.4	18.6	
176	20.1	16.5	24.7	





#71

Anthracene

Concen: 5.031 ng/ul

RT: 17.84 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

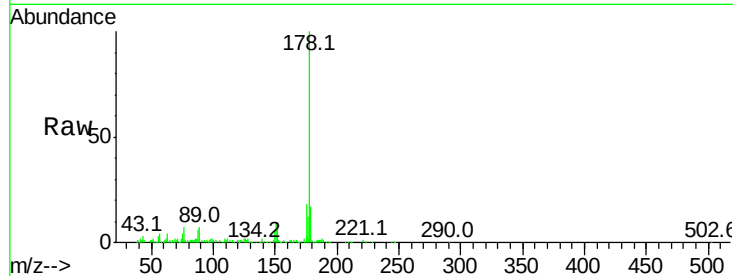
ClientSampled :

C0AF8

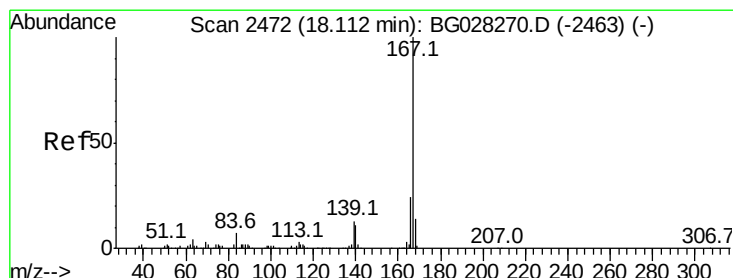
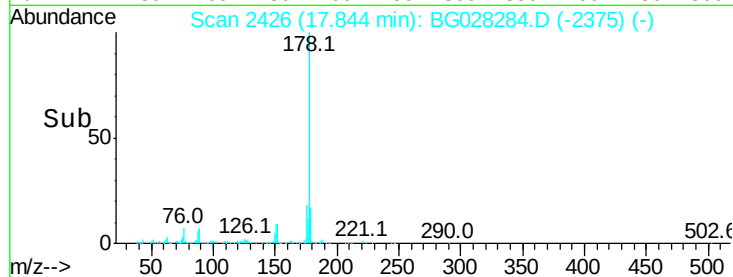
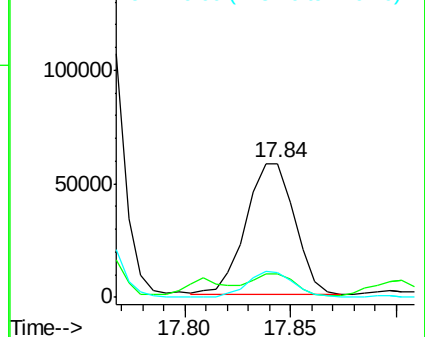
Tot Ion:178	Resp:	93322
Ion Ratio	Lower	Upper
178	100	
179	17.1	12.6 19.0
176	18.1	15.9 23.9

Manual Integrations
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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



#72

Carbazole

Concen: 5.462 ng/ul

RT: 18.11 min Scan# 2471

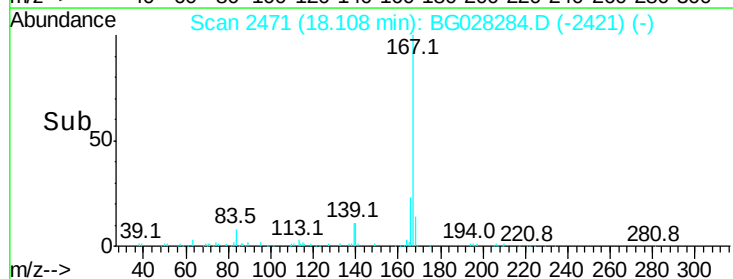
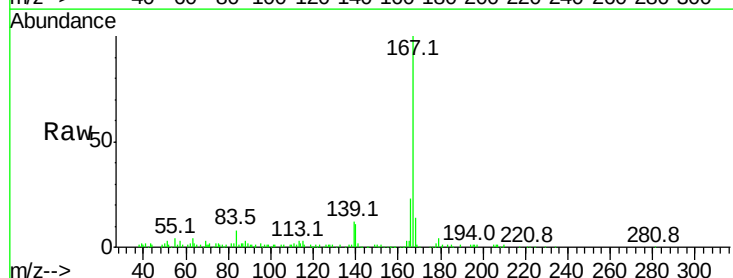
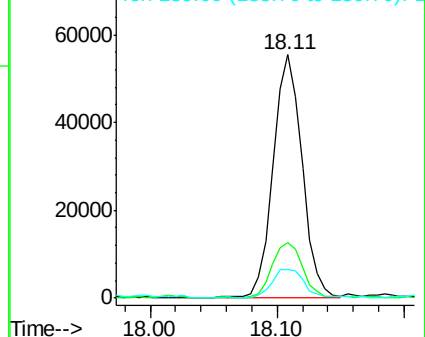
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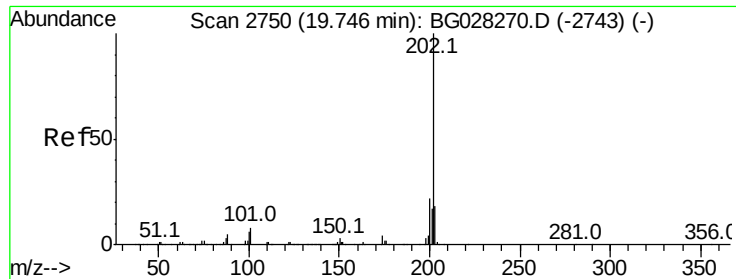
Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Tgt Ion:167	Resp:	88117
Ion Ratio	Lower	Upper
167	100	
166	22.8	17.9 26.9
139	11.8	10.5 15.7

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





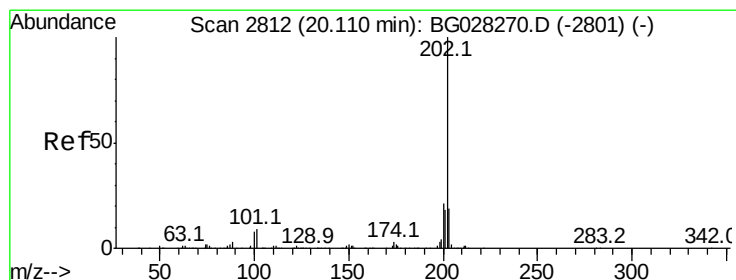
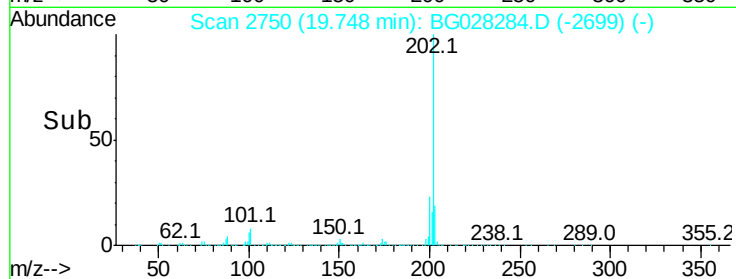
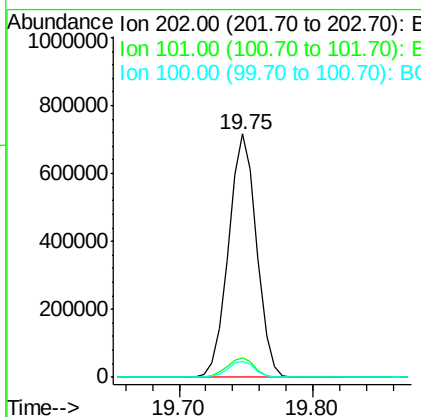
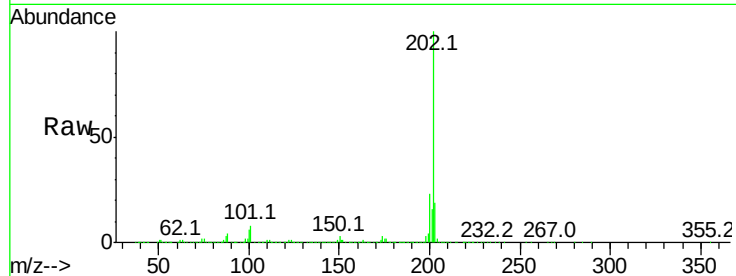
#74
 Fluoranthene
 Concen: 47.567 ng/ul
 RT: 19.75 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: BG028284.D
 Acq: 11 Aug 2017 7:53

Instrument :
 BNA_G
 ClientSampleId :
 C0AF8

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1049251		
101	8.1		6.2	9.2
100	6.3		5.2	7.8

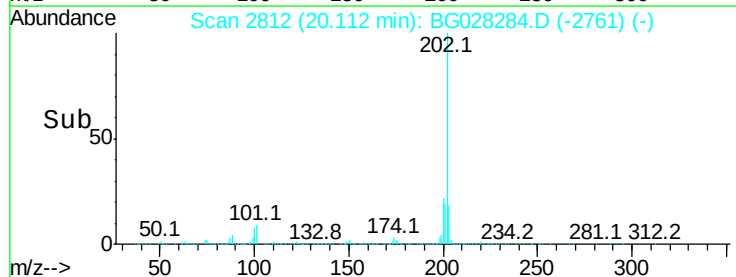
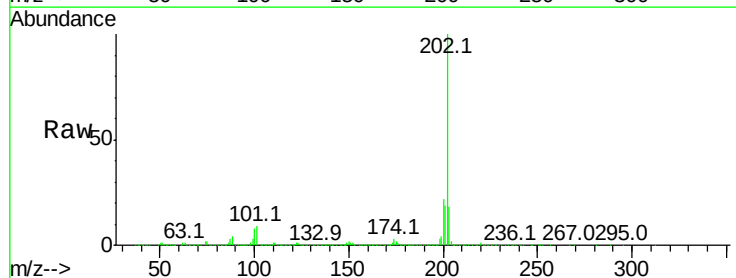
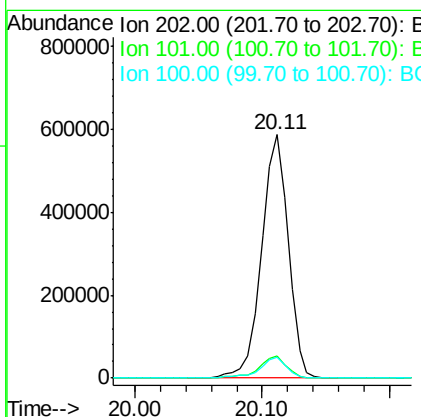
Manual Integrations
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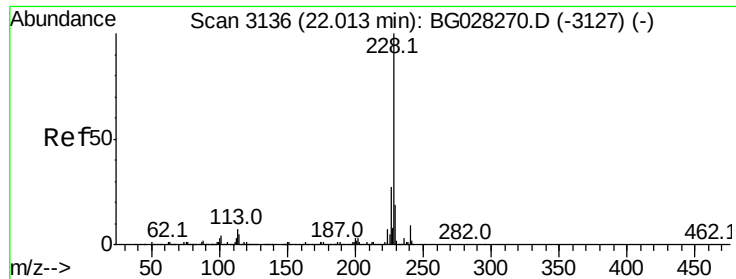
Sohil
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#77
 Pyrene
 Concen: 35.115 ng/ul
 RT: 20.11 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: BG028284.D
 Acq: 11 Aug 2017 7:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	857930		
101	9.1		6.9	10.3
100	8.4		6.6	10.0





#80

Benzo(a)anthracene

Concen: 18.287 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

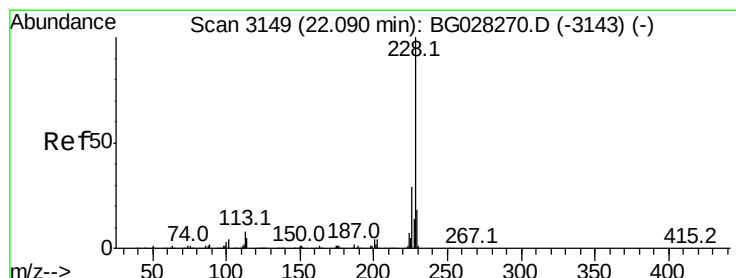
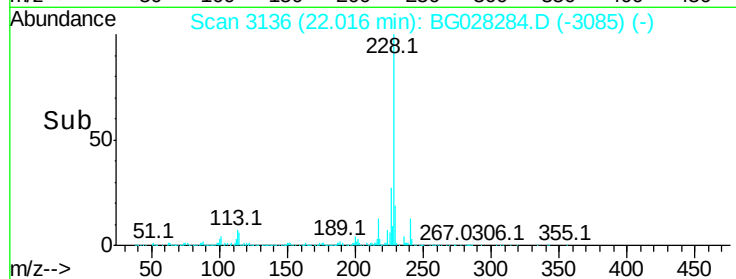
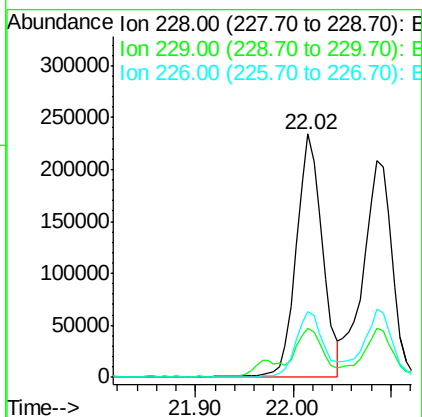
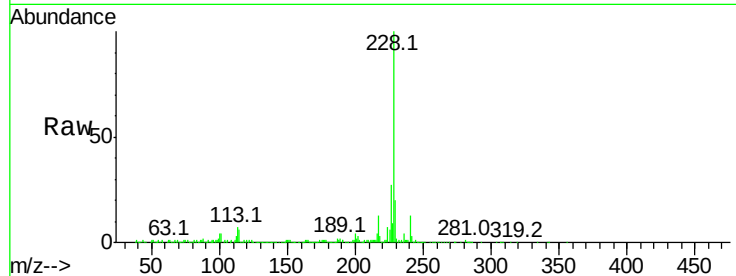
ClientSampleId :

C0AF8

Tot Ion:	228	Resp:	432703
Ion Ratio	Lower	Upper	
228	100		
229	20.1	16.3	24.5
226	27.1	21.9	32.9

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#82

Chrysene

Concen: 19.542 ng/ul

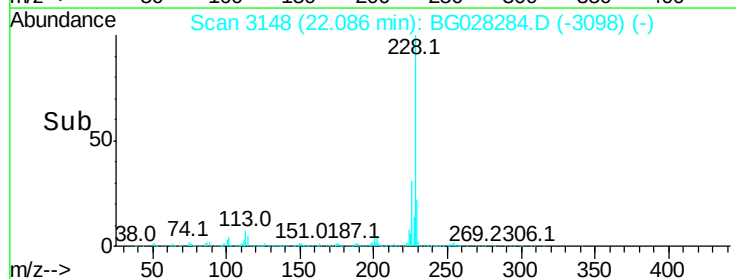
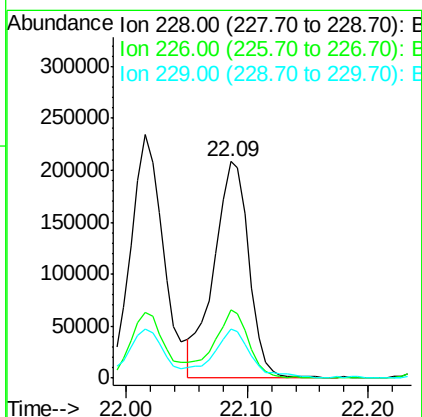
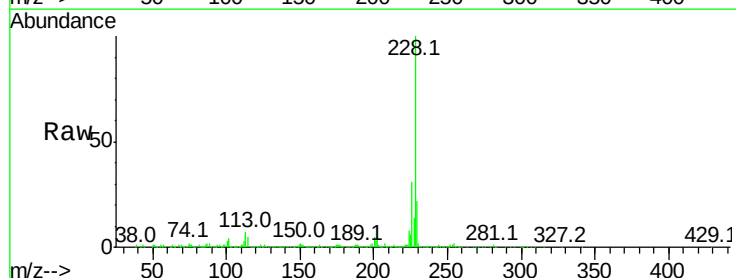
RT: 22.09 min Scan# 3148

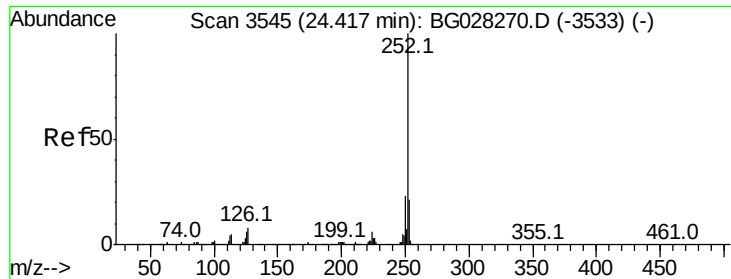
Delta R.T. -0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Tgt Ion:	228	Resp:	416443
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.0	36.0
229	22.5	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 23.095 ng/ul

RT: 24.42 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

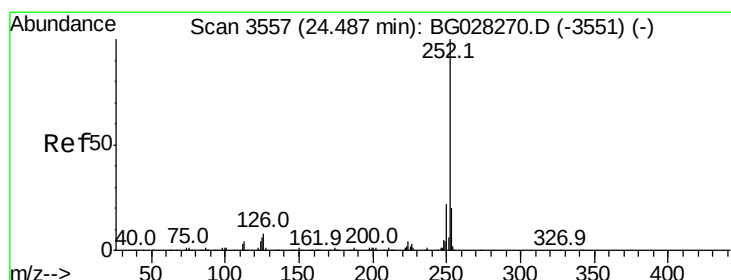
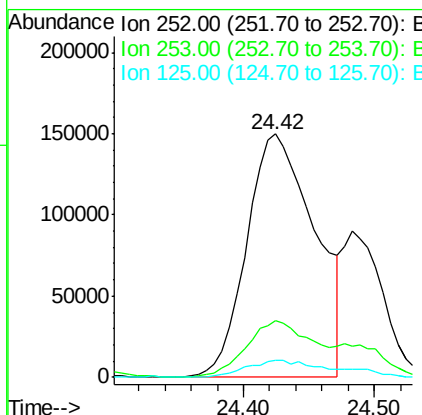
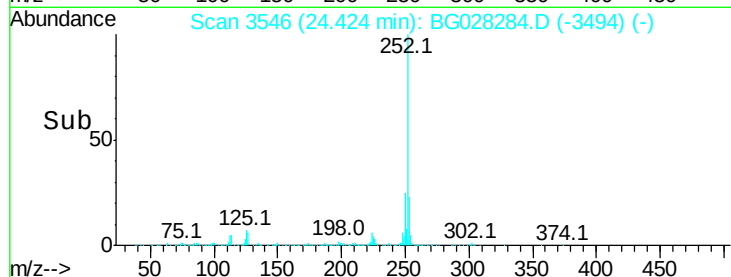
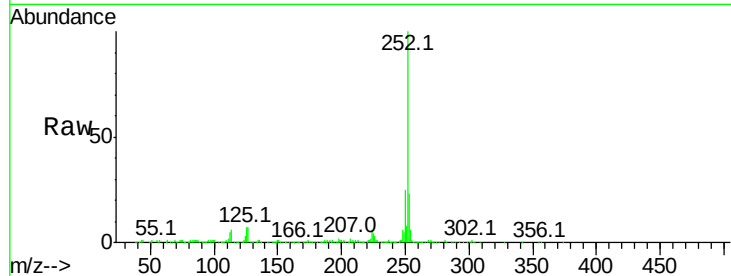
ClientSampleId :

C0AF8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	6.9	4.0	6.0

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#86

Benzo(k)fluoranthene

Concen: 8.081 ng/ul

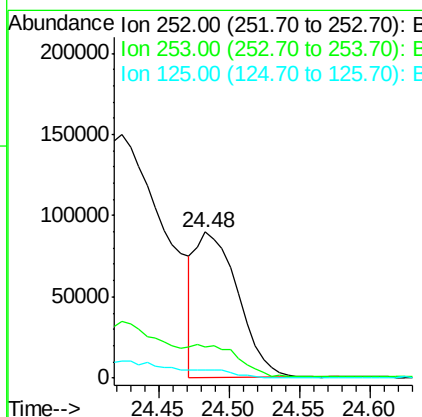
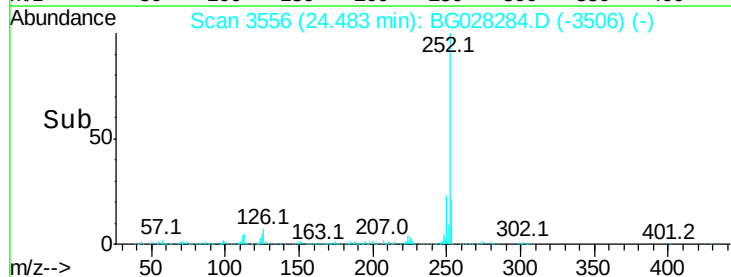
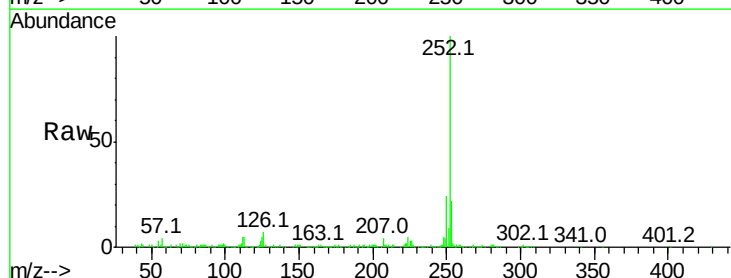
RT: 24.48 min Scan# 3556

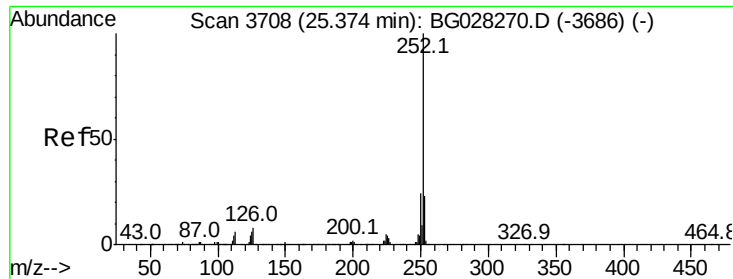
Delta R.T. -0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.5	27.7
125	5.3	4.1	6.1





#88

Benzo(a)pyrene

Concen: 16.598 ng/ul

RT: 25.38 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Instrument :

BNA_G

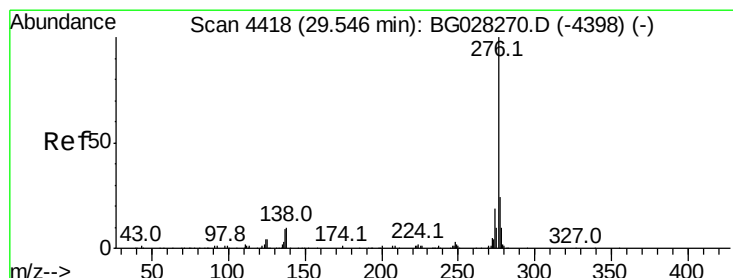
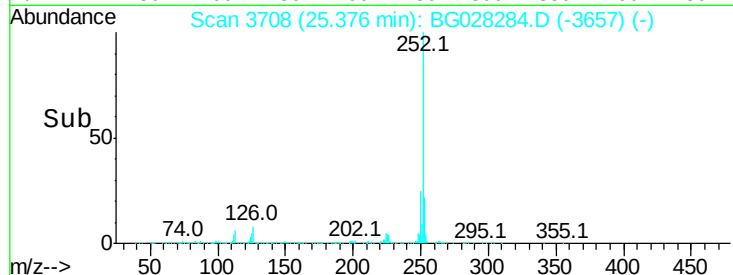
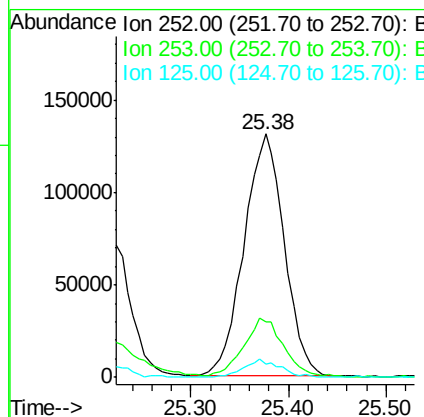
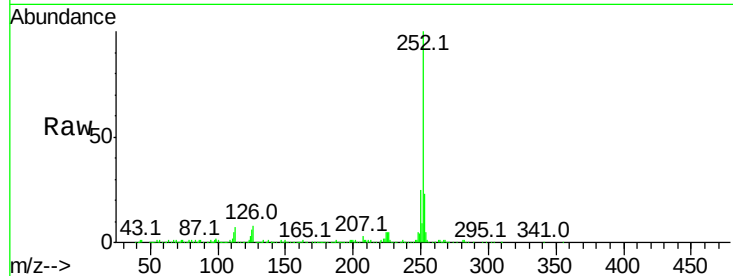
ClientSampleId :

C0AF8

Tot Ion:	252	Resp:	377645
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	5.7	5.4	8.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 9.947 ng/ul

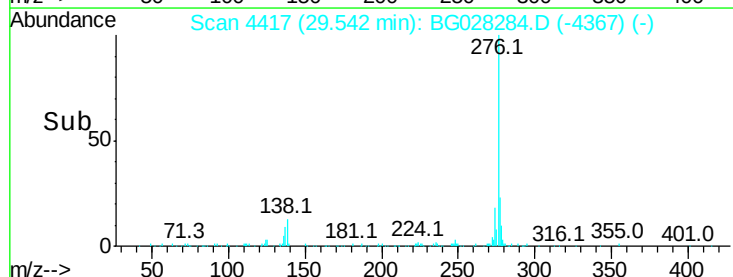
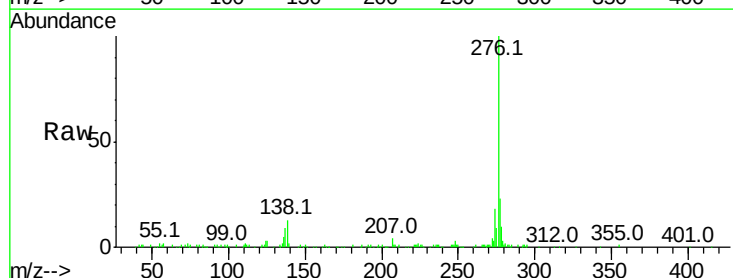
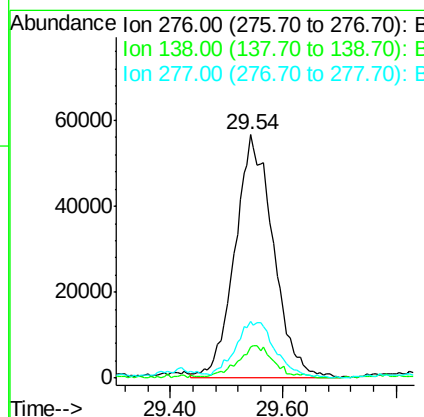
RT: 29.54 min Scan# 4417

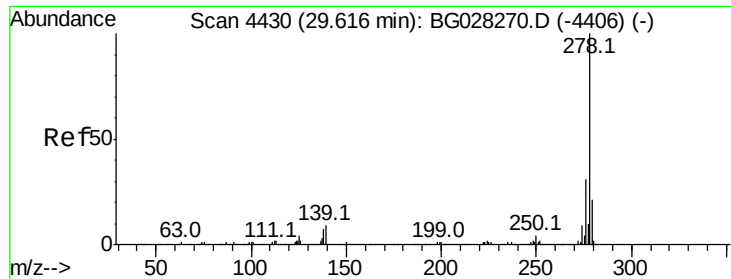
Delta R.T. -0.00 min

Lab File: BG028284.D

Acq: 11 Aug 2017 7:53

Tgt Ion:	276	Resp:	265026
Ion Ratio	Lower	Upper	
276	100		
138	12.9	8.2	12.4#
277	23.4	18.6	28.0





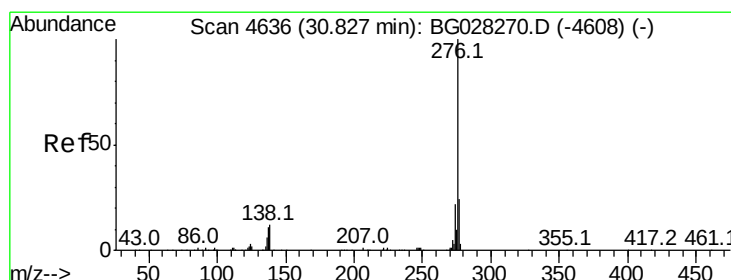
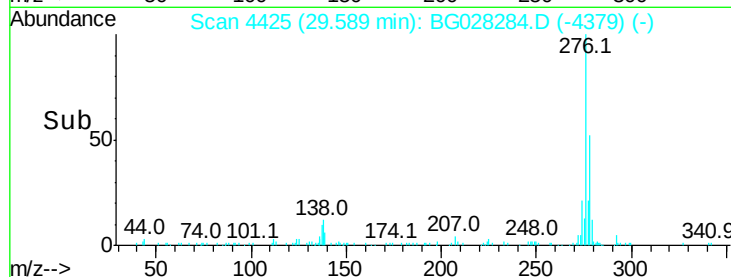
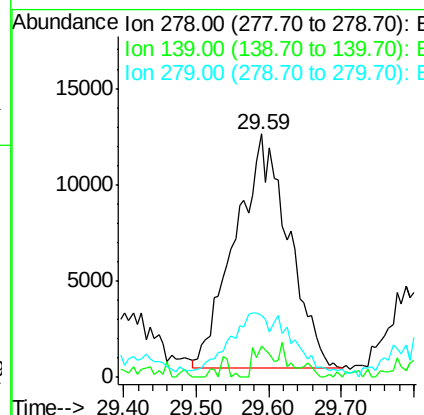
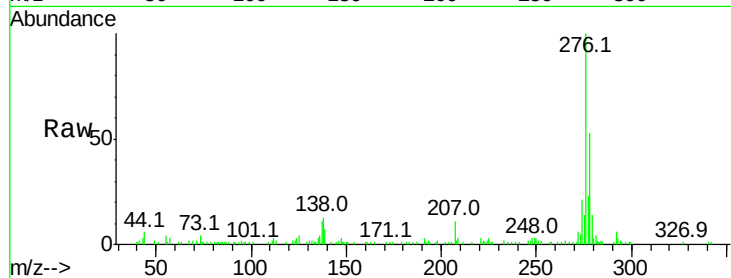
#90
Dibenzo(a,h)anthracene
Concen: 2.797 ng/ul
RT: 29.59 min Scan# 4425
Delta R.T. -0.03 min
Lab File: BG028284.D
Acq: 11 Aug 2017 7:53

Instrument :
BNA_G
ClientSampleId :
C0AF8

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.0	6.7	10.1#
279	25.5	20.9	31.3

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#91
Benzo(g,h,i)perylene
Concen: 9.496 ng/ul
RT: 30.81 min Scan# 4633
Delta R.T. -0.02 min
Lab File: BG028284.D
Acq: 11 Aug 2017 7:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.0	8.6	12.8
277	25.6	17.6	26.4

