

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
 Data File : BG028446.D
 Acq On : 23 Aug 2017 12:07
 Operator : SJ/JU
 Sample : I4827-06DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB5DL

Manual Integrations
 APPROVED

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 8/24/2017 4:38:24 PM

Quant Time: Aug 24 02:27:56 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	39818	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	188310	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	131675	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	288685	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	325434	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	317118	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.50	99	2945	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	2361	0.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	2361	0.86	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	2805	0.77	ng/ul	0.01
19) Nitrobenzene-d5	9.52	128	1105	0.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	1287	0.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	2864	0.86	ng/ul	0.01
29) 4-Chloroaniline-d4	11.29	131	2749	0.74	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	10560	0.90	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	12858	0.97	ng/ul	0.00
51) 4-Nitrophenol-d4	15.19	143	311	0.17	ng/ul	0.04
57) Fluorene-d10	15.93	176	10051	0.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	132	0.07	ng/ul	0.01
70) Anthracene-d10	17.80	188	14499	1.05	ng/ul	0.00
76) Pyrene-d10	20.08	212	15675	0.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	16126	1.09	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	11.21	128	23137	2.481 ng/ul	99
34) 2-Methylnaphthalene	12.80	142	9809m	1.309 ng/ul	
49) Acenaphthene	15.02	153	19985	2.347 ng/ul	92
53) Dibenzofuran	15.35	168	28988	2.335 ng/ul	98
58) Fluorene	16.00	166	36581	3.328 ng/ul	95
69) Phenanthrene	17.75	178	383538	26.400 ng/ul	98
71) Anthracene	17.84	178	74049	4.987 ng/ul	98
72) Carbazole	18.11	167	32638	2.527 ng/ul	95
74) Fluoranthene	19.74	202	419228	23.744 ng/ul	99
77) Pyrene	20.11	202	363991	18.747 ng/ul	98
80) Benzo(a)anthracene	22.02	228	178740	9.506 ng/ul	99
82) Chrysene	22.09	228	166015	9.803 ng/ul	96
85) Benzo(b)fluoranthene	24.43	252	201206	10.603 ng/ul#	96
86) Benzo(k)fluoranthene	24.48	252	71192m	3.841 ng/ul	
88) Benzo(a)pyrene	25.38	252	153330	8.345 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.56	276	85201	3.960 ng/ul	99
90) Dibenzo(a,h)anthracene	29.64	278	21745m	1.206 ng/ul	
91) Benzo(g,h,i)perylene	30.85	276	62960m	3.557 ng/ul	

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

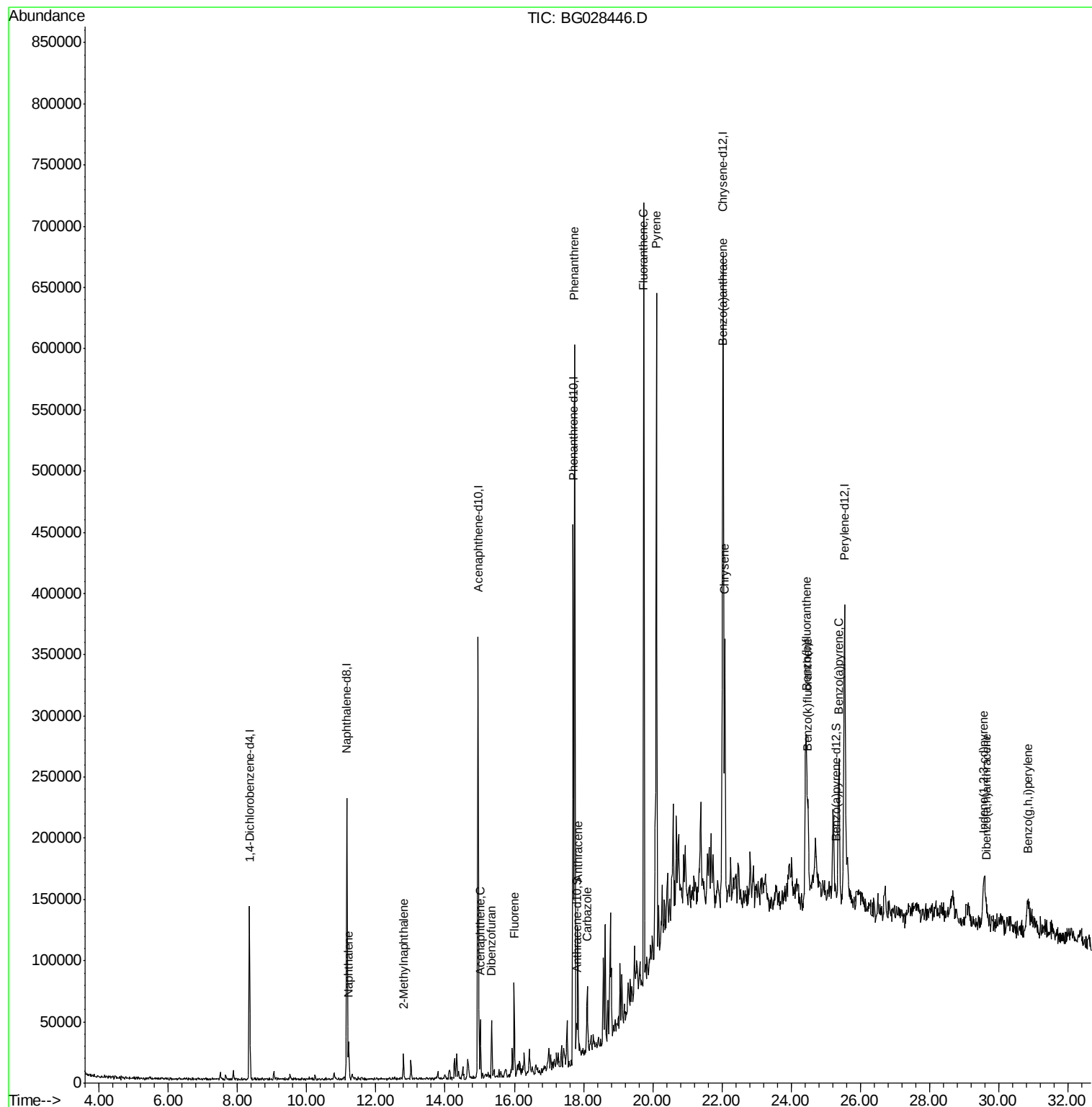
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082317\
Data File : BG028446.D
Acq On : 23 Aug 2017 12:07
Operator : SJ/JU
Sample : I4827-06DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

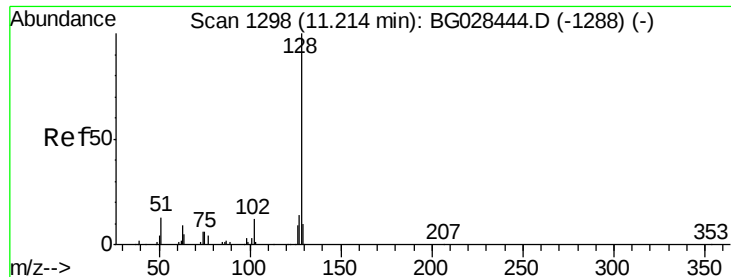
Instrument :
BNA_G
ClientSampleId :
B0AB5DL

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Quant Time: Aug 24 02:27:56 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
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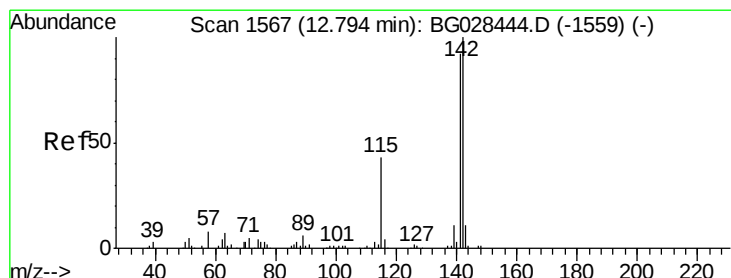
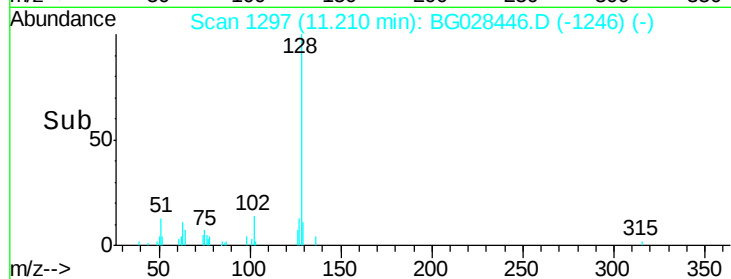
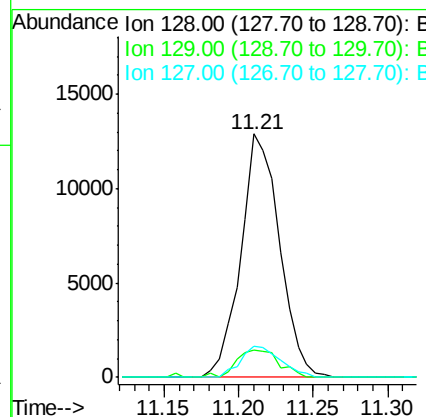
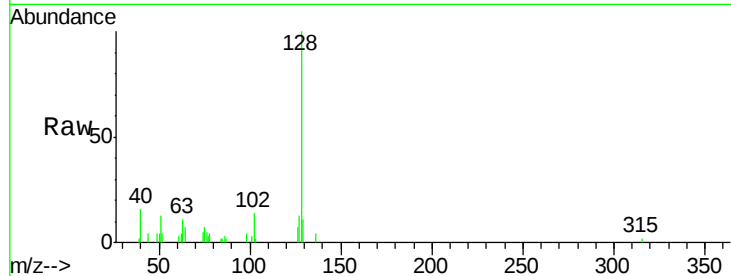
#28
Naphthalene
Concen: 2.481 ng/ul
RT: 11.21 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BG028446.D
Acq: 23 Aug 2017 12:07

Instrument :
BNA_G
ClientSampleId :
B0AB5DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.4	14.2
127	12.9	10.3	15.5

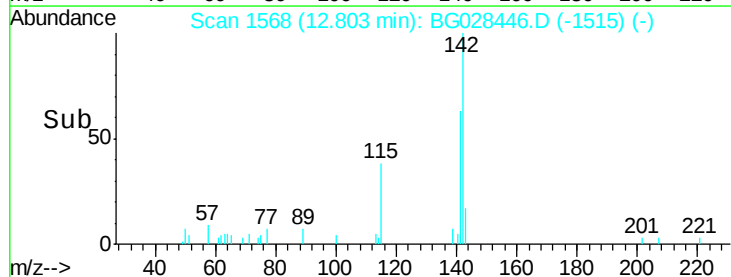
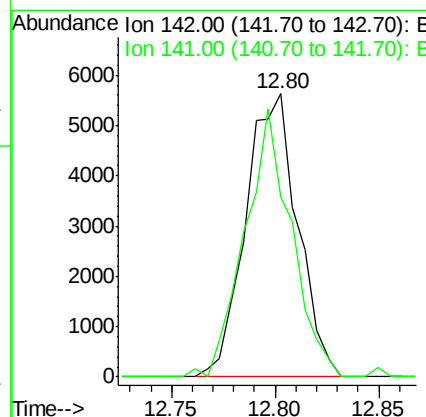
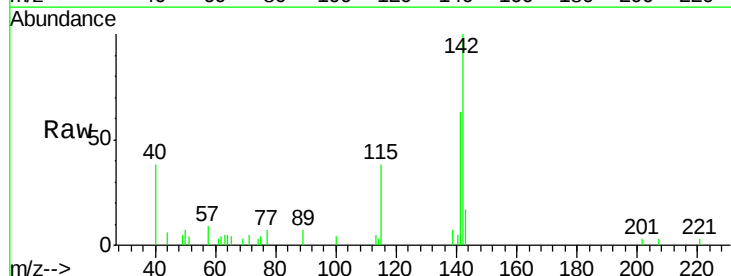
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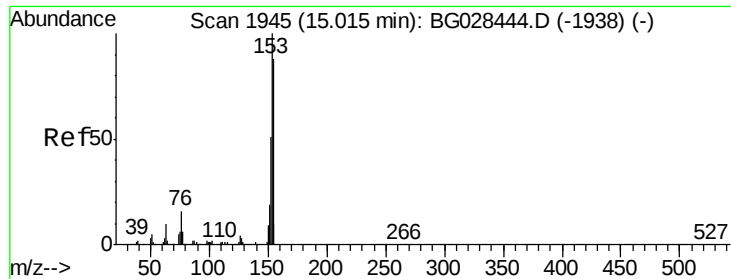
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#34
2-Methylnaphthalene
Concen: 1.309 ng/ul m
RT: 12.80 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BG028446.D
Acq: 23 Aug 2017 12:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	63.5	68.6	102.8#





#49

Acenaphthene

Concen: 2.347 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

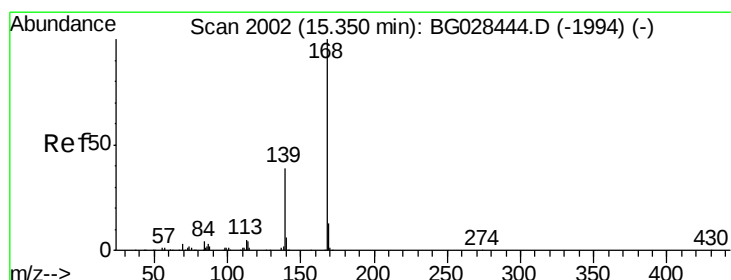
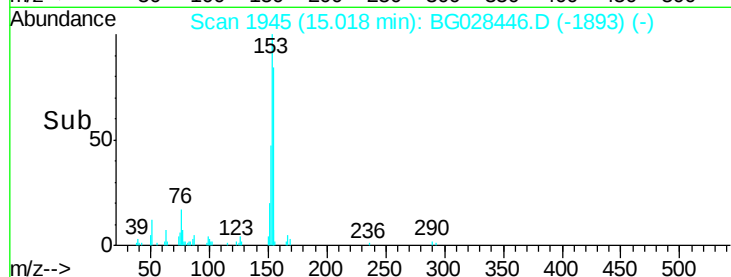
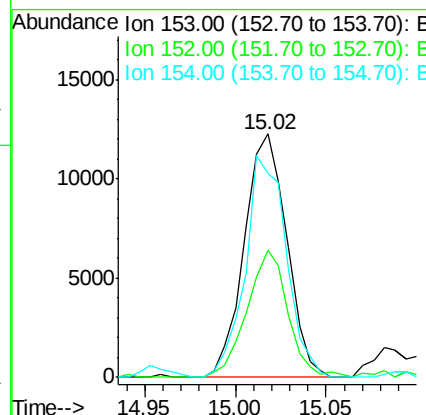
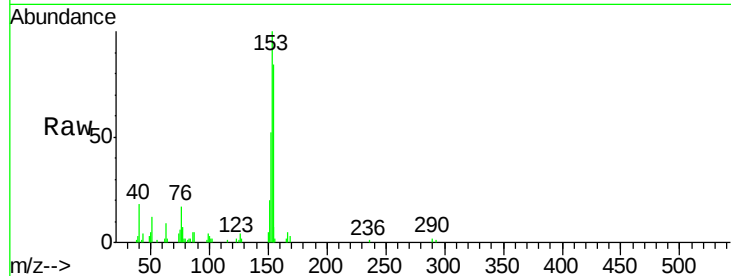
ClientSampleId :

B0AB5DL

Tgt Ion:	153	Resp:	19985
Ion Ratio	Lower	Upper	
153	100		
152	52.5	36.5	54.7
154	83.7	72.3	108.5

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#53

Dibenzofuran

Concen: 2.335 ng/ul

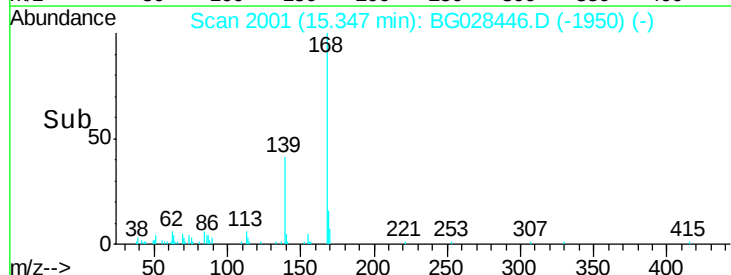
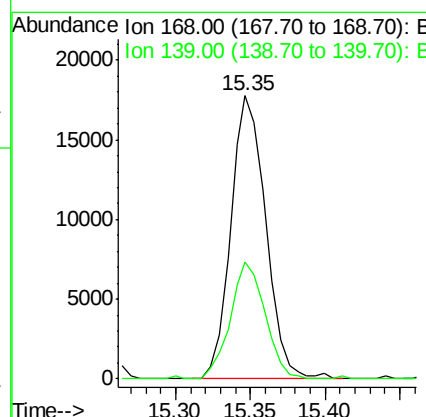
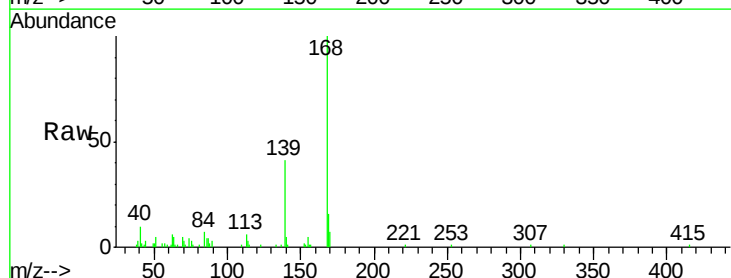
RT: 15.35 min Scan# 2001

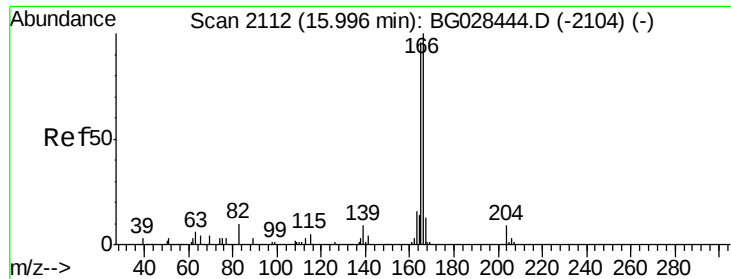
Delta R.T. -0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	168	Resp:	28988
Ion Ratio	Lower	Upper	
168	100		
139	41.3	33.8	50.8





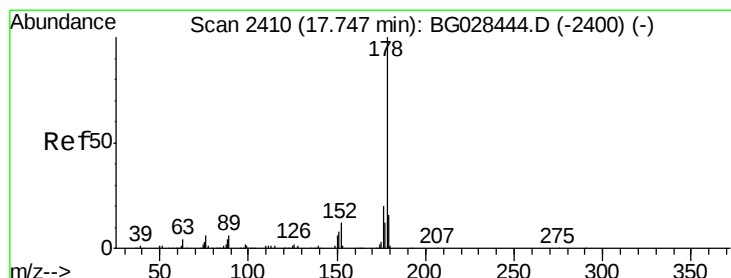
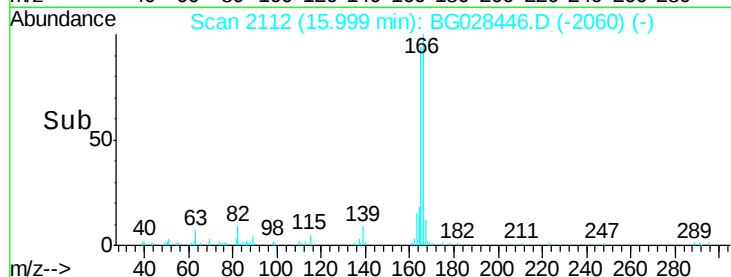
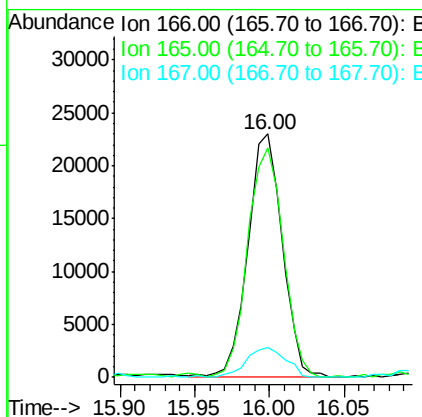
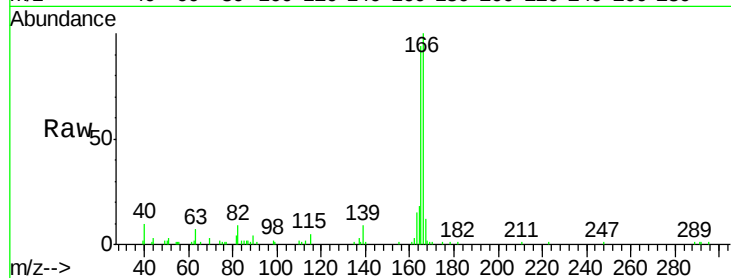
#58
 Fluorene
 Concen: 3.328 ng/ul
 RT: 16.00 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: BG028446.D
 Acq: 23 Aug 2017 12:07

Instrument :
 BNA_G
 ClientSampleId :
 B0AB5DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	36581		
165	94.1	79.7	119.5	
167	12.2	11.4	17.2	

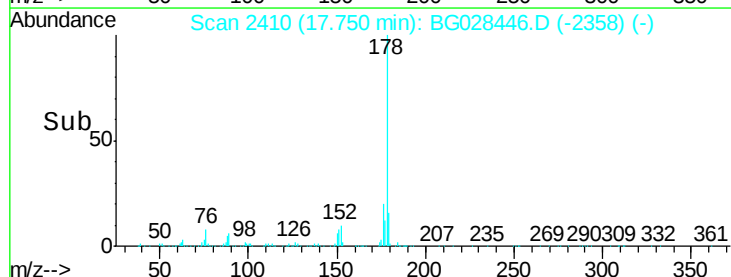
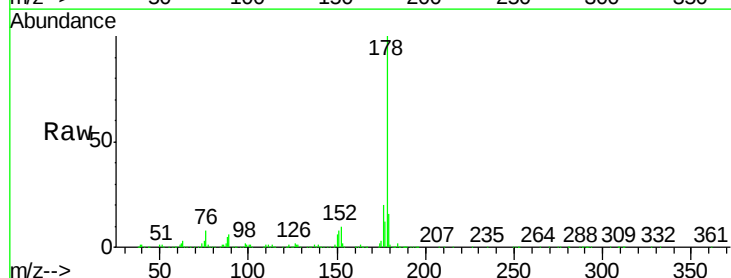
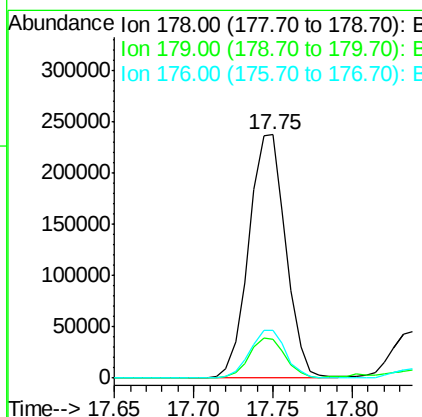
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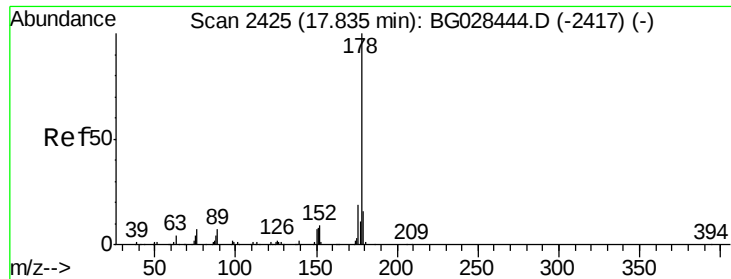
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#69
 Phenanthrene
 Concen: 26.400 ng/ul
 RT: 17.75 min Scan# 2410
 Delta R.T. 0.00 min
 Lab File: BG028446.D
 Acq: 23 Aug 2017 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	383538		
179	16.1	12.4	18.6	
176	19.6	16.5	24.7	





#71

Anthracene

Concen: 4.987 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

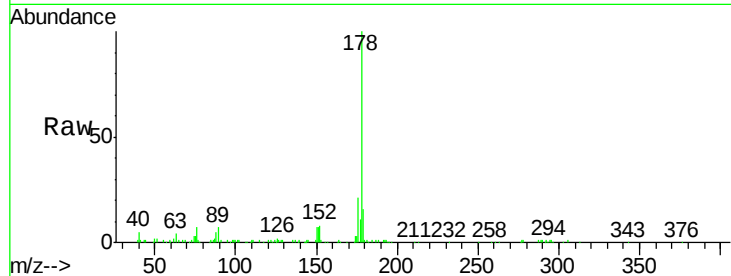
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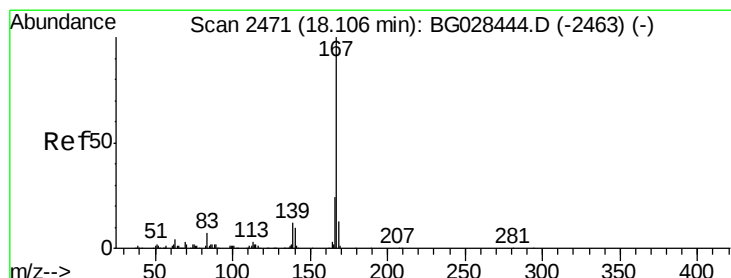
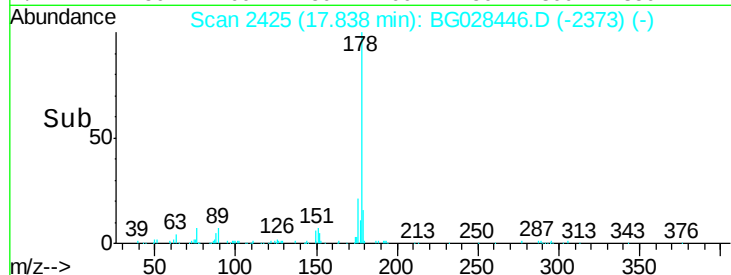
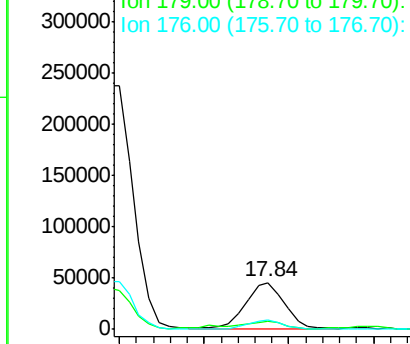
Tgt Ion:	178	Resp:	74049
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.6	19.0
176	21.3	15.9	23.9

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: 2.527 ng/ul

RT: 18.11 min Scan# 2471

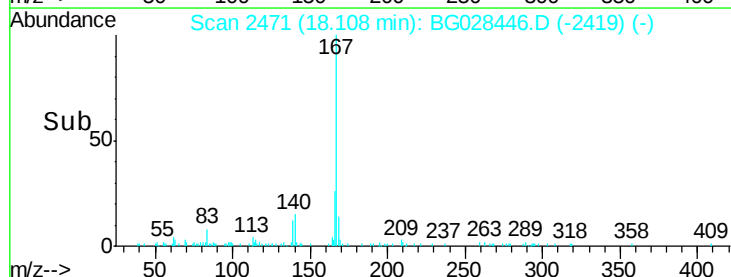
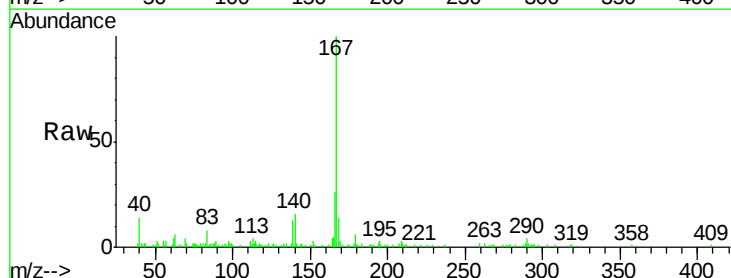
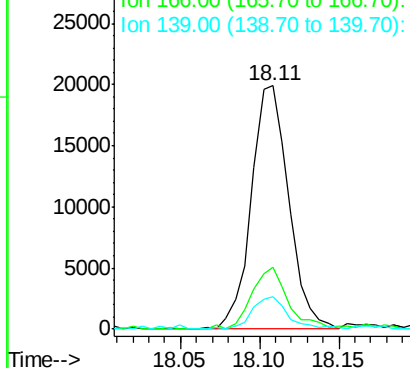
Delta R.T. 0.00 min

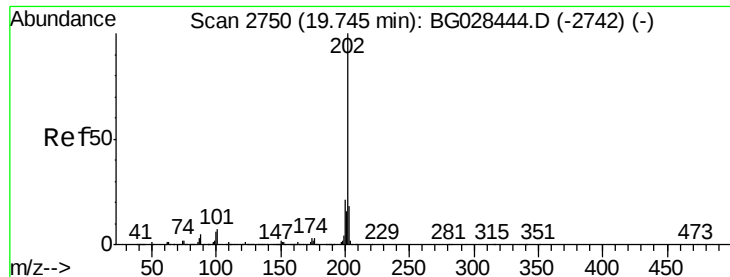
Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	167	Resp:	32638
Ion Ratio	Lower	Upper	
167	100		
166	25.6	17.9	26.9
139	13.4	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: 23.744 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

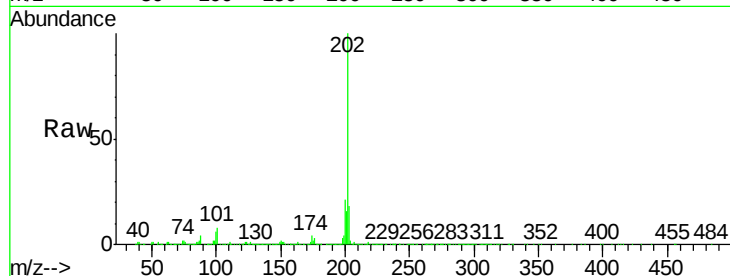
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B0AB5DL

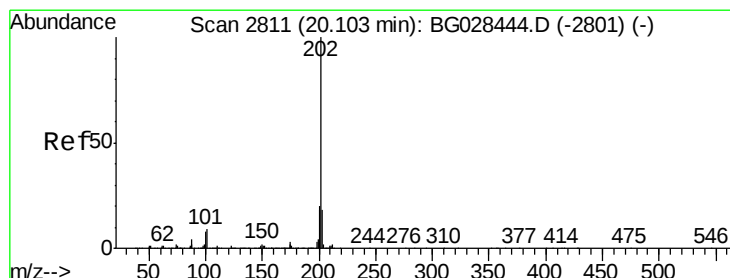
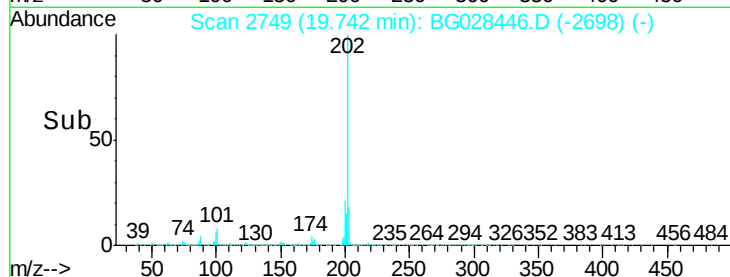
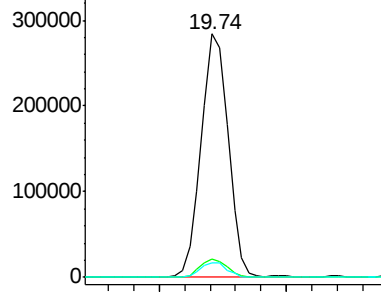
Tgt Ion:	202	Resp:	419228
Ion Ratio	Lower	Upper	
202	100		
101	7.8	6.2	9.2
100	5.7	5.2	7.8

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Abundance Ion 202.00 (201.70 to 202.70): E



#77

Pyrene

Concen: 18.747 ng/ul

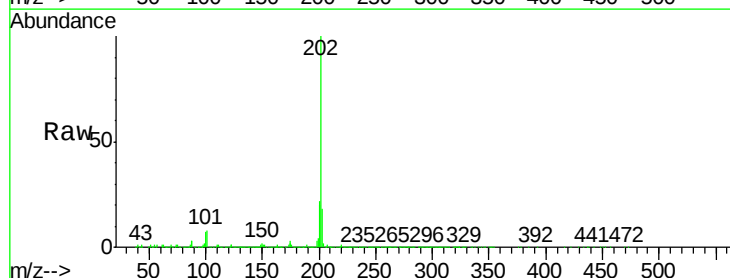
RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

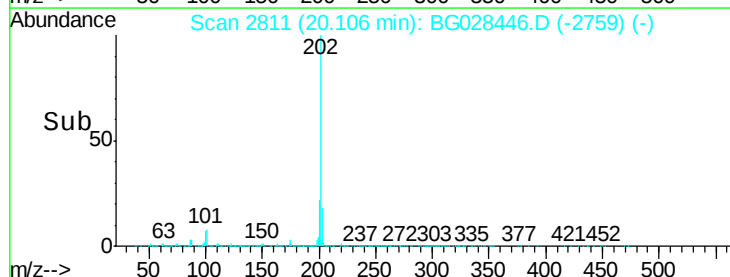
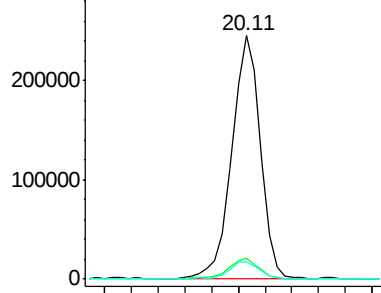
Lab File: BG028446.D

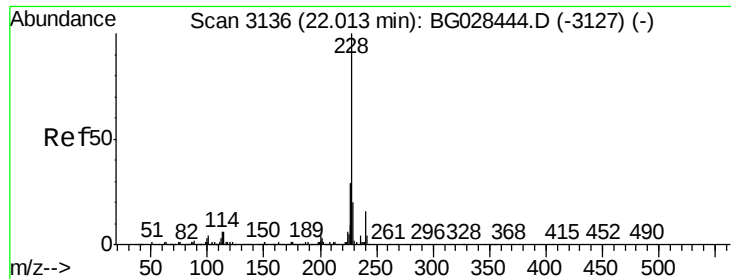
Acq: 23 Aug 2017 12:07

Tgt Ion:	202	Resp:	363991
Ion Ratio	Lower	Upper	
202	100		
101	8.3	6.9	10.3
100	7.2	6.6	10.0



Abundance Ion 202.00 (201.70 to 202.70): E





#80

Benzo(a)anthracene

Concen: 9.506 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

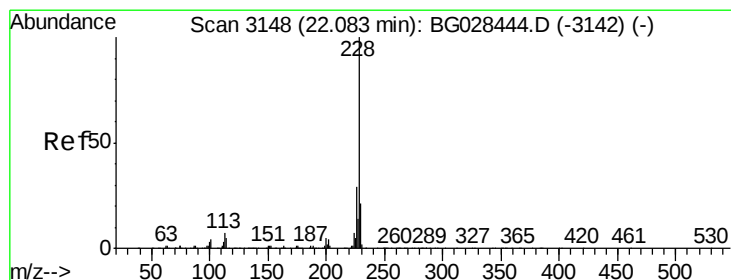
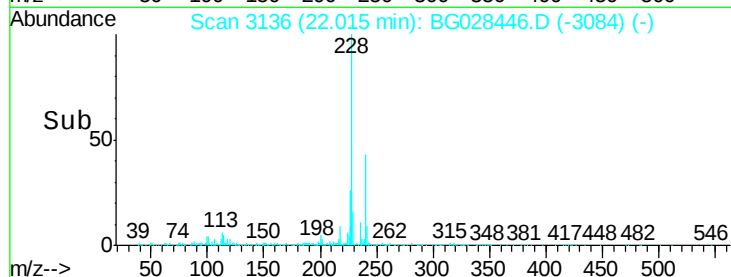
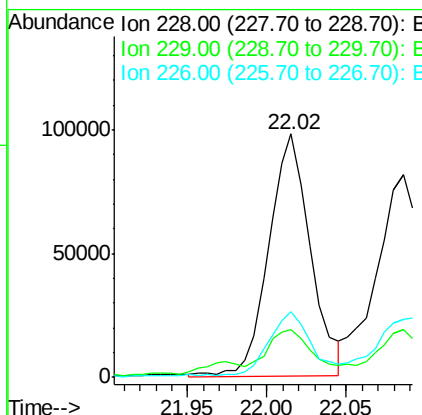
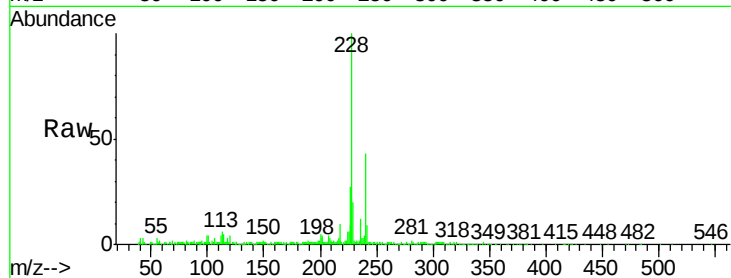
ClientSampled :

B0AB5DL

Tgt Ion:	228	Resp:	178740
Ion Ratio	Lower	Upper	
228	100		
229	19.5	16.3	24.5
226	27.1	21.9	32.9

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#82

Chrysene

Concen: 9.803 ng/ul

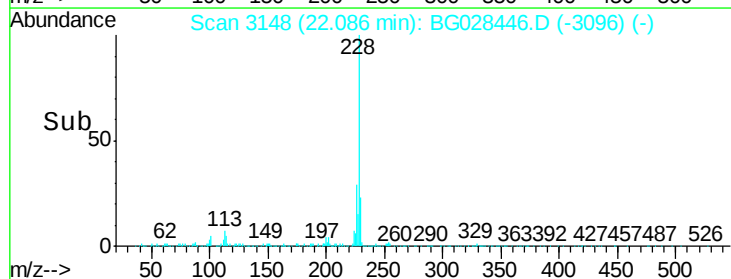
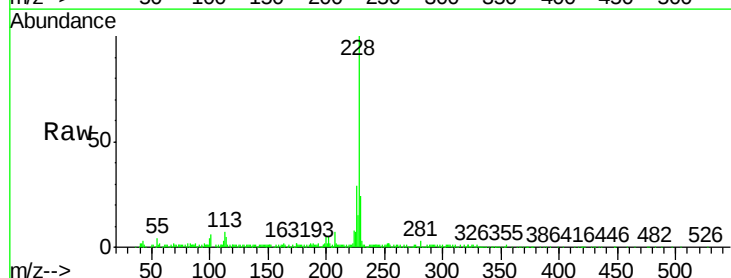
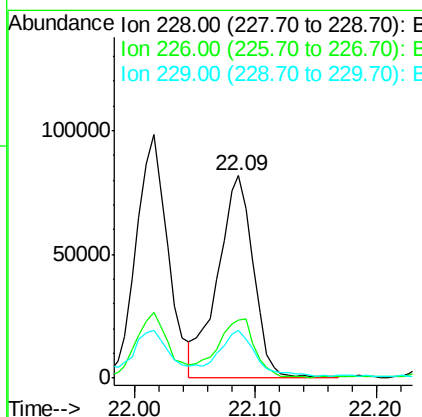
RT: 22.09 min Scan# 3148

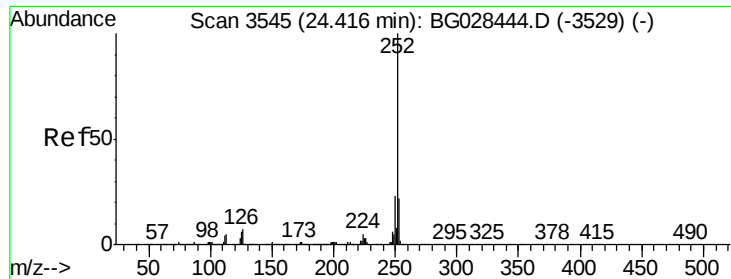
Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	228	Resp:	166015
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.0	36.0
229	23.7	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 10.603 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

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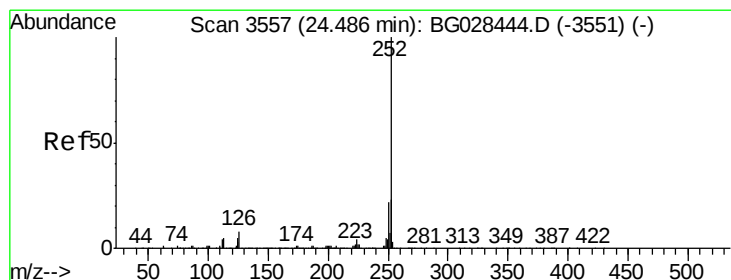
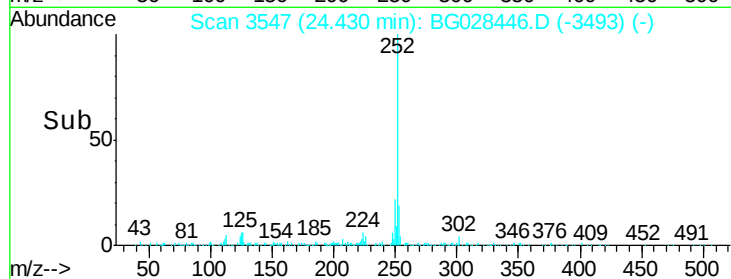
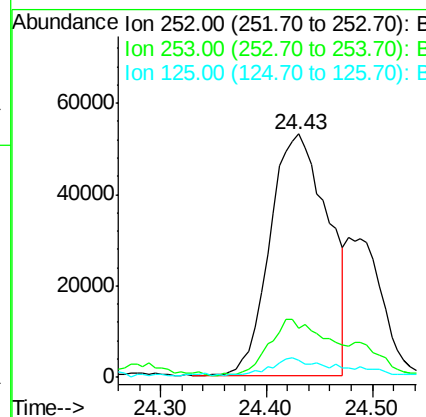
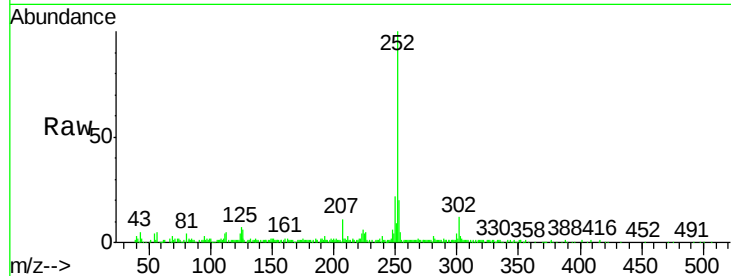
ClientSampleId :

B0AB5DL

Tgt Ion:	252	Resp:	201206
Ion Ratio	Lower	Upper	
252	100		
253	20.1	17.7	26.5
125	7.0	4.0	6.0#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 3.841 ng/ul m

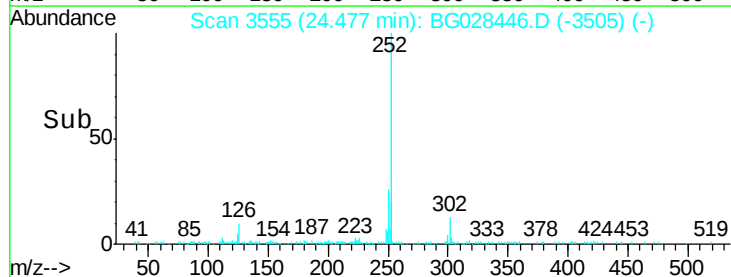
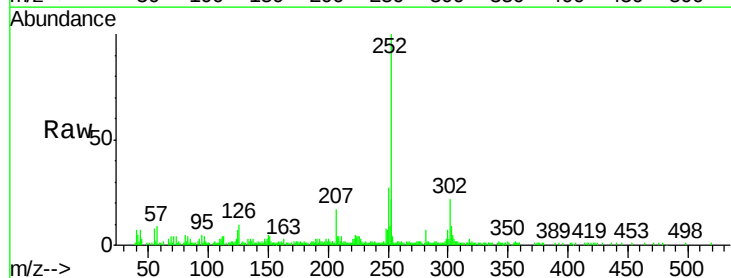
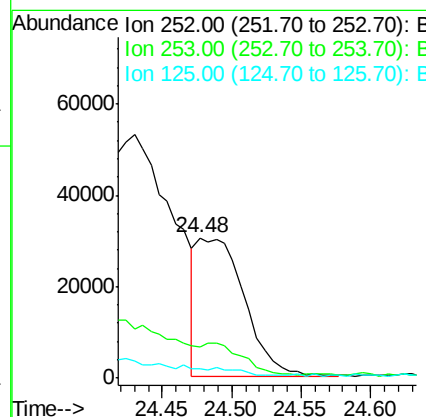
RT: 24.48 min Scan# 3555

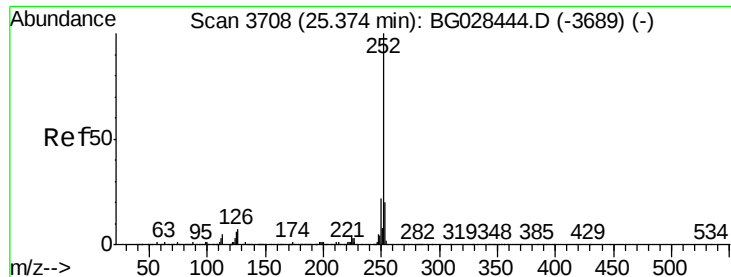
Delta R.T. -0.01 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	252	Resp:	71192
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.5	27.7
125	6.6	4.1	6.1#





#88

Benzo(a)pyrene

Concen: 8.345 ng/ul

RT: 25.38 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

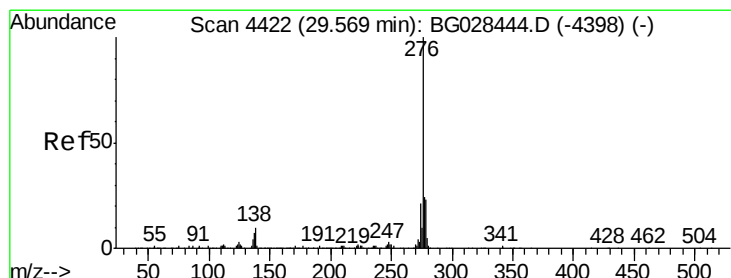
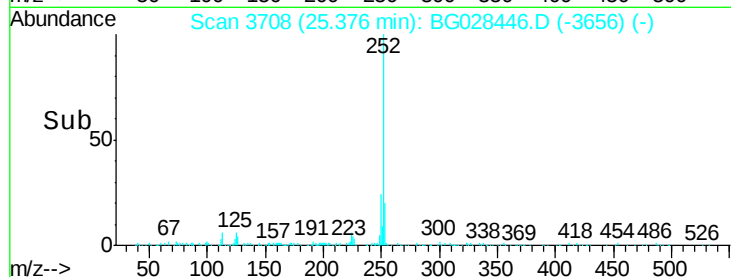
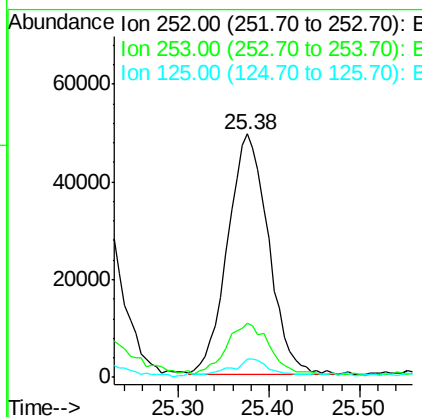
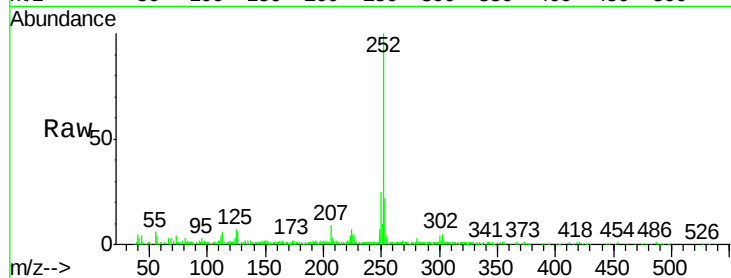
ClientSampleId :

B0AB5DL

Tgt Ion:	252	Resp:	153330
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.6
125	7.4	5.4	8.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.960 ng/ul

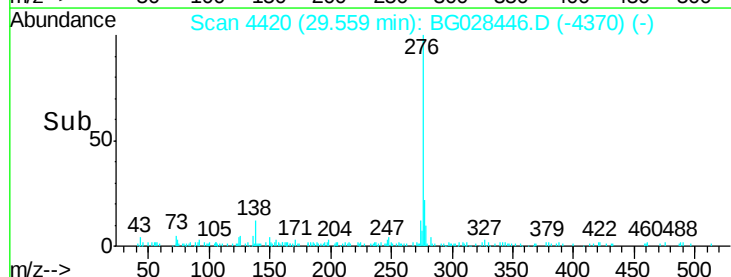
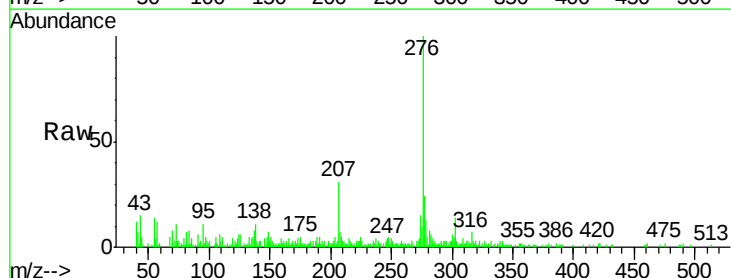
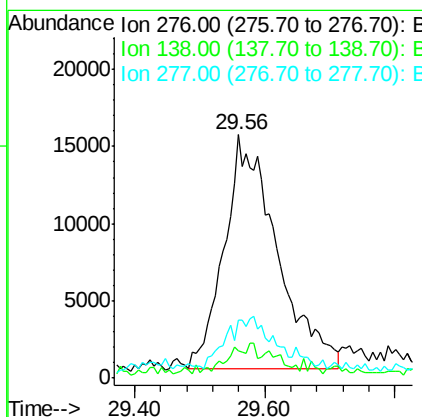
RT: 29.56 min Scan# 4420

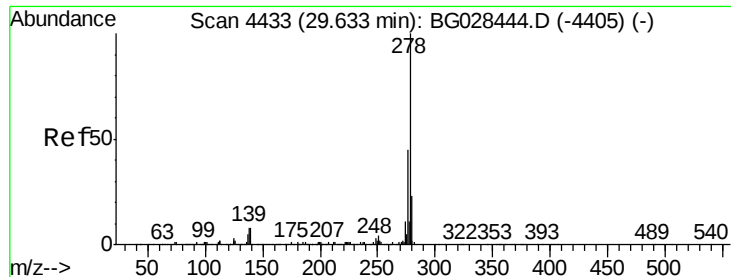
Delta R.T. -0.01 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	276	Resp:	85201
Ion Ratio		Lower	Upper
276	100		
138	11.3	8.2	12.4
277	23.6	18.6	28.0





#90

Dibenzo(a,h)anthracene

Concen: 1.206 ng/ul m

RT: 29.64 min Scan# 4433

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

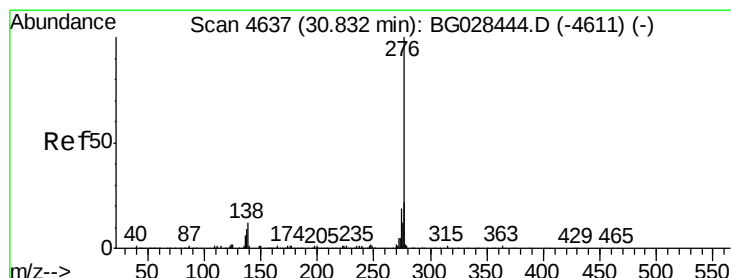
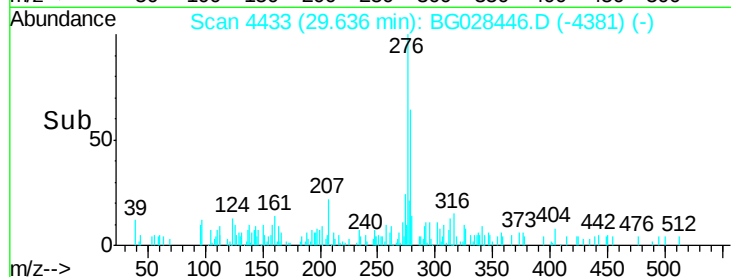
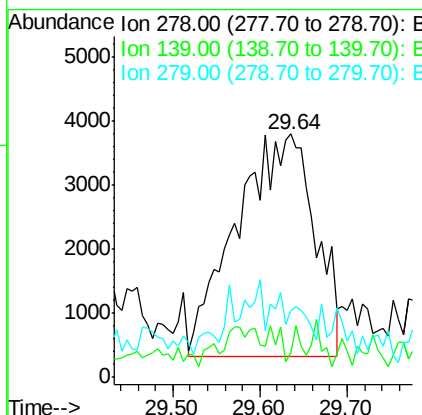
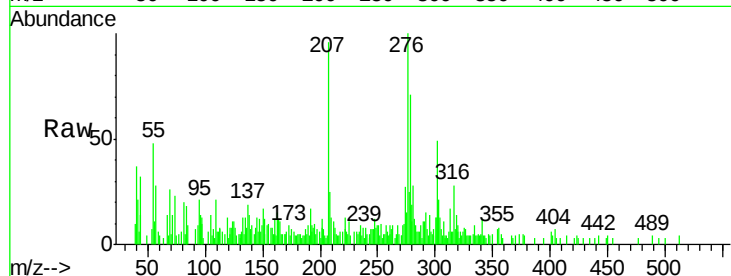
ClientSampled :

B0AB5DL

Tgt Ion:	278	Resp:	21745
Ion Ratio	Lower	Upper	
278	100		
139	10.3	6.7	10.1#
279	27.5	20.9	31.3

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.557 ng/ul m

RT: 30.85 min Scan# 4640

Delta R.T. 0.02 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:	276	Resp:	62960
Ion Ratio	Lower	Upper	
276	100		
138	10.6	8.6	12.8
277	19.2	17.6	26.4

