

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081517\
 Data File : BG028365.D
 Acq On : 16 Aug 2017 5:17
 Operator : SJ/JU
 Sample : I4672-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AG2

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:40:36 PM

Quant Time: Aug 16 09:19:54 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 16 04:06:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	50060	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	214890	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.97	164	143137	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.72	188	337158	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	373137	20.00	ng/ul	0.00
83) Perylene-d12	25.57	264	360728	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	2639	2.45	ng/uL	0.00
5) Phenol-d5	7.51	99	76498	13.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	50725	14.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	57607	16.61	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	64984	14.14	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	29999	17.85	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	35285	19.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	71267	18.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	61393	14.47	ng/ul	0.00
43) Dimethylphthalate-d6	14.36	166	225116	17.68	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	274849	19.15	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	26808	13.24	ng/ul	0.00
57) Fluorene-d10	15.95	176	204359	17.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	33776	15.42	ng/ul	0.00
70) Anthracene-d10	17.82	188	330224	20.43	ng/ul	0.00
76) Pyrene-d10	20.09	212	395056	20.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	371883	22.02	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	11.23	128	20194	1.897	ng/ul#	91
34) 2-Methylnaphthalene	12.81	142	15196	1.778	ng/ul	94
44) Dimethylphthalate	14.40	163	75562	6.446	ng/ul	98
53) Dibenzofuran	15.36	168	18014	1.335	ng/ul	95
69) Phenanthrene	17.76	178	250383	14.757	ng/ul	99
71) Anthracene	17.85	178	56271	3.245	ng/ul	97
72) Carbazole	18.12	167	33529	2.223	ng/ul	97
74) Fluoranthene	19.75	202	395873	19.198	ng/ul	99
77) Pyrene	20.12	202	328828	14.771	ng/ul	97
80) Benzo(a)anthracene	22.03	228	233564	10.833	ng/ul	98
82) Chrysene	22.10	228	246383	12.689	ng/ul	99
85) Benzo(b)fluoranthene	24.44	252	401189	18.585	ng/ul#	98
86) Benzo(k)fluoranthene	24.50	252	119105m	5.649	ng/ul	
88) Benzo(a)pyrene	25.40	252	190397	9.110	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.61	276	138828	5.672	ng/ul#	92
91) Benzo(g,h,i)perylene	30.87	276	104049	5.167	ng/ul#	96

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

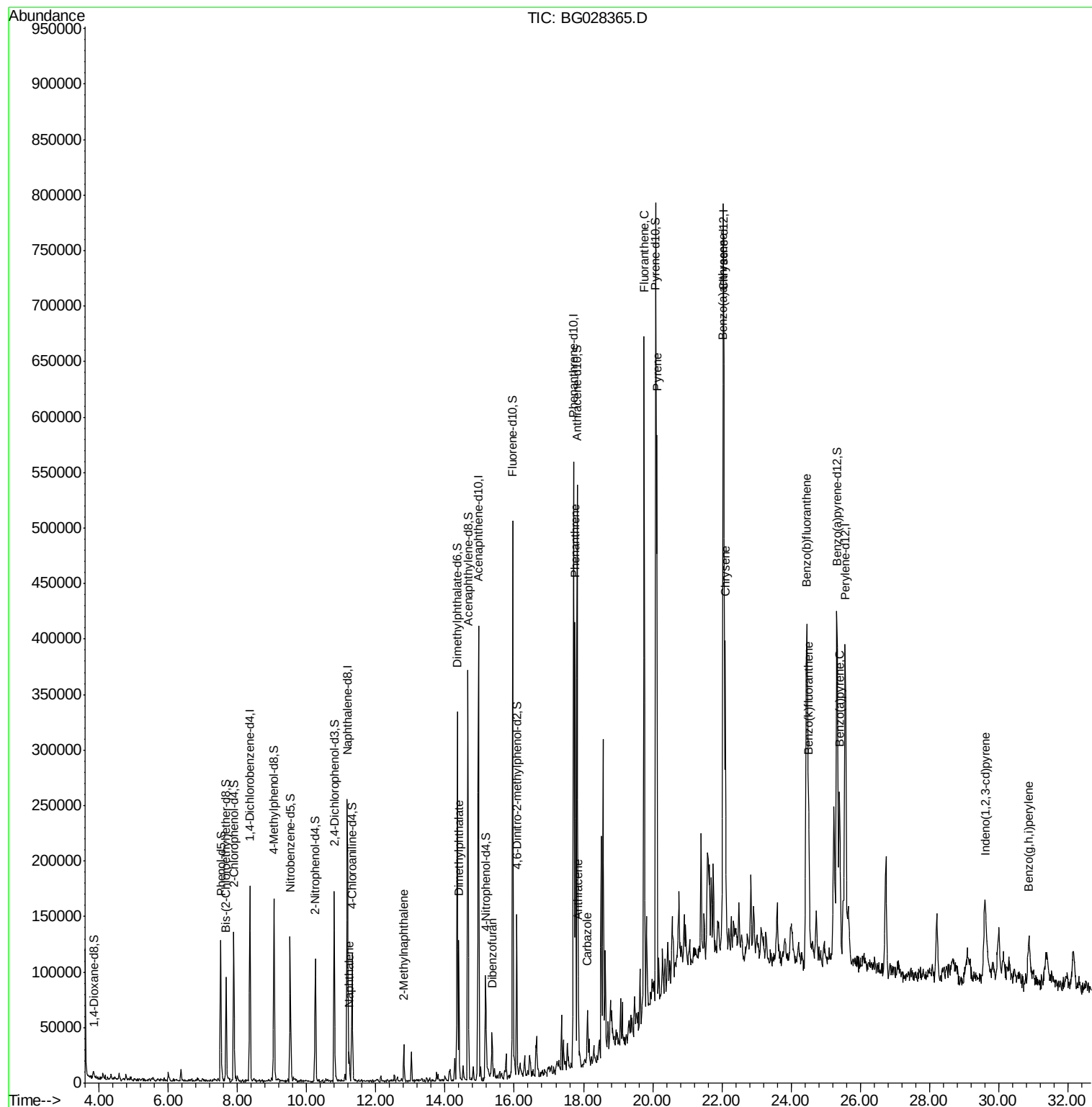
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081517\
Data File : BG028365.D
Acq On : 16 Aug 2017 5:17
Operator : SJ/JU
Sample : I4672-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

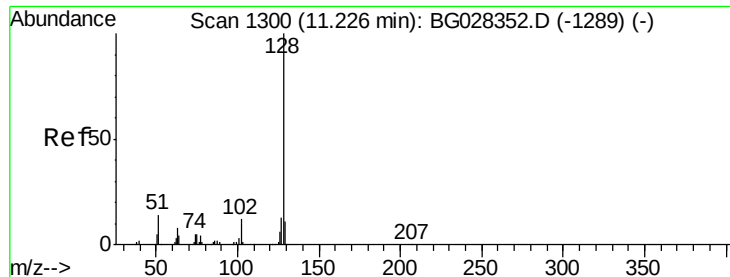
Instrument :
BNA_G
ClientSampleId :
C0AG2

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Quant Time: Aug 16 09:19:54 2017
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Quant Title : SVOA CALIBRATION
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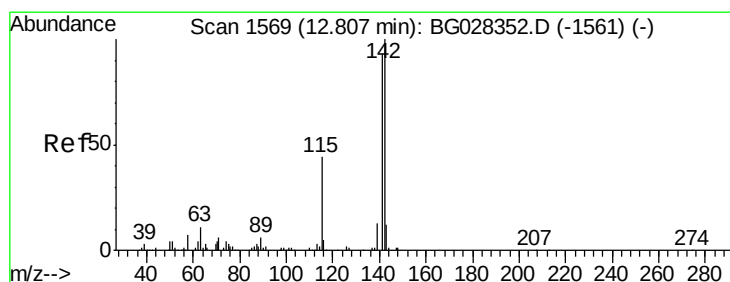
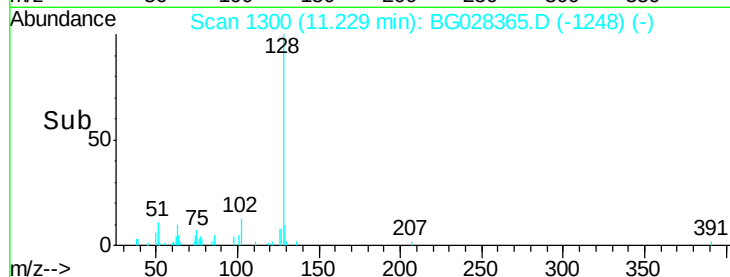
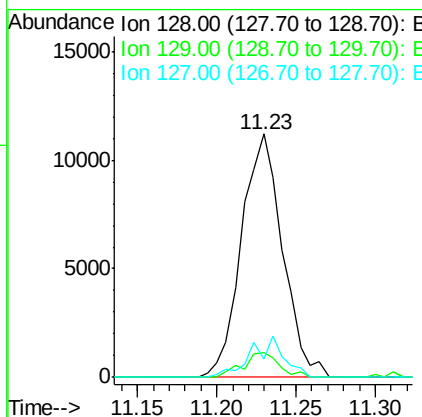
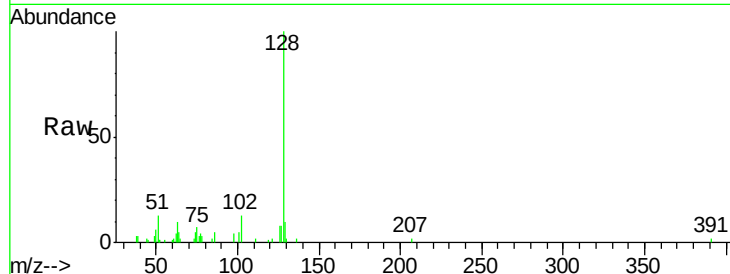
#28
Naphthalene
Concen: 1.897 ng/ul
RT: 11.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Instrument :
BNA_G
ClientSampleId :
C0AG2

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	9.9	9.4	14.2
127	7.6	10.3	15.5#

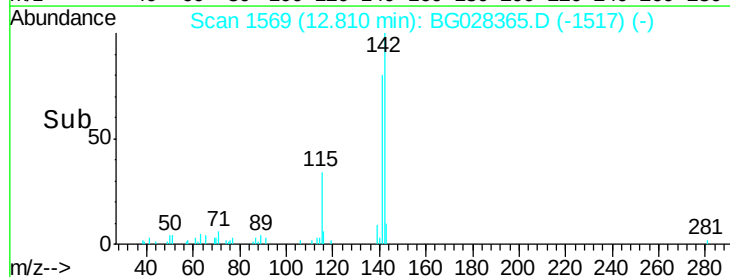
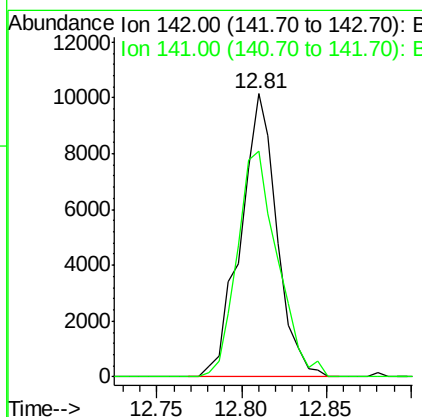
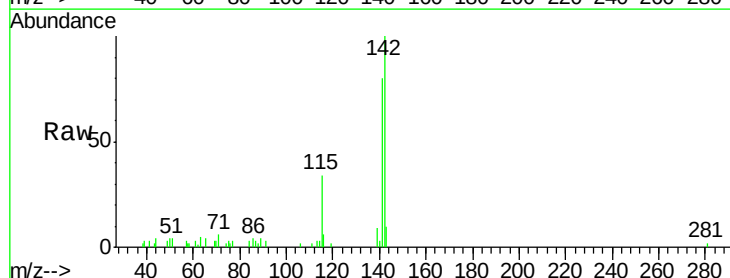
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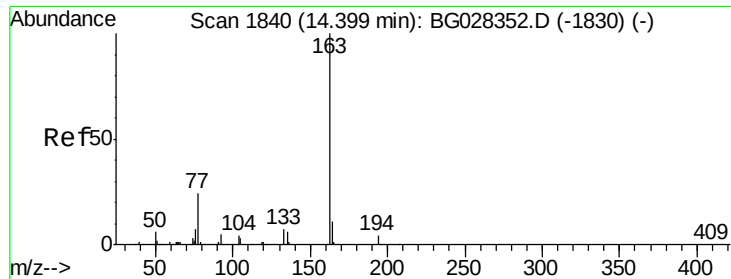
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#34
2-Methylnaphthalene
Concen: 1.778 ng/ul
RT: 12.81 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	80.0	68.6	102.8





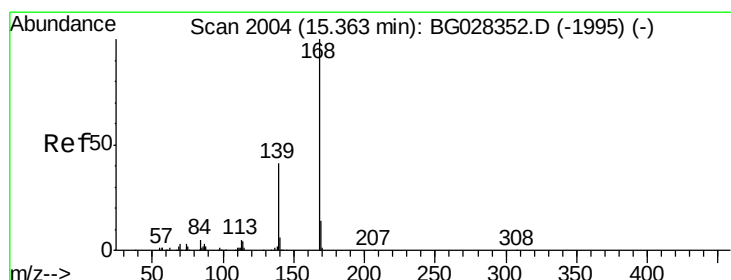
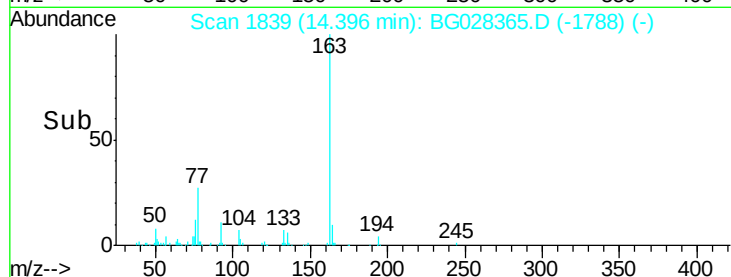
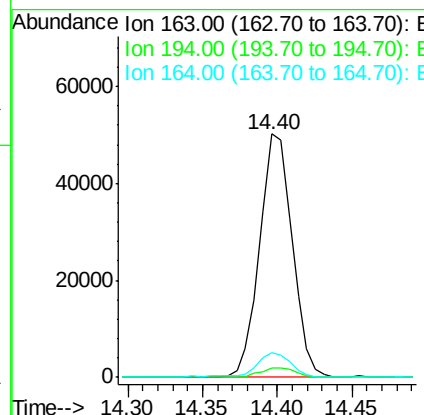
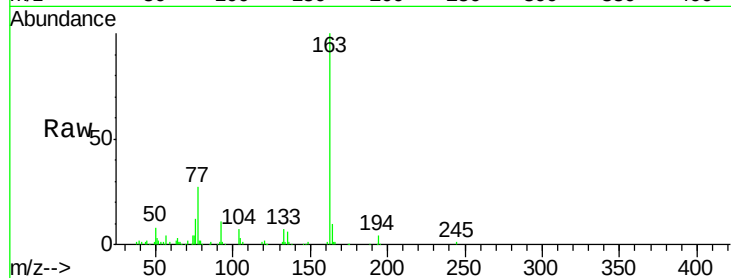
#44
Dimethylphthalate
Concen: 6.446 ng/ul
RT: 14.40 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Instrument :
BNA_G
ClientSampleId :
C0AG2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.4	5.0
164	10.2	9.0	13.4

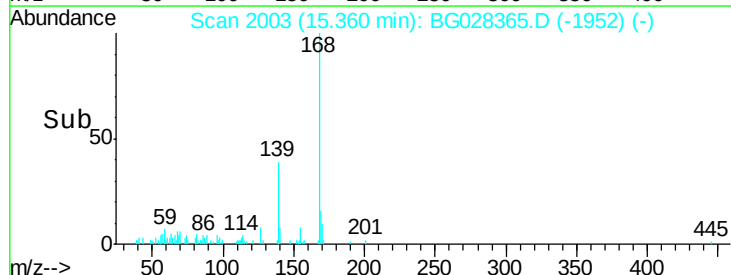
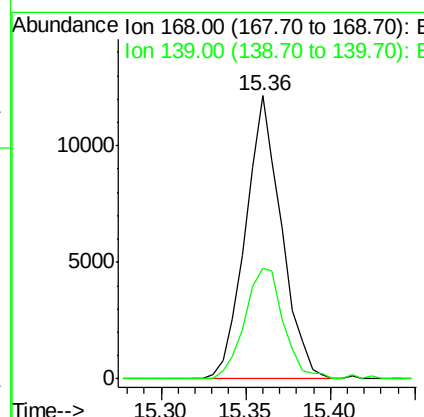
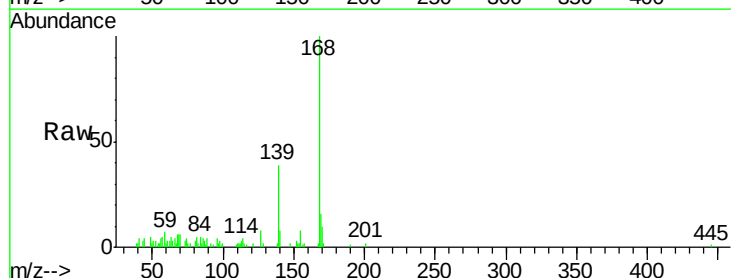
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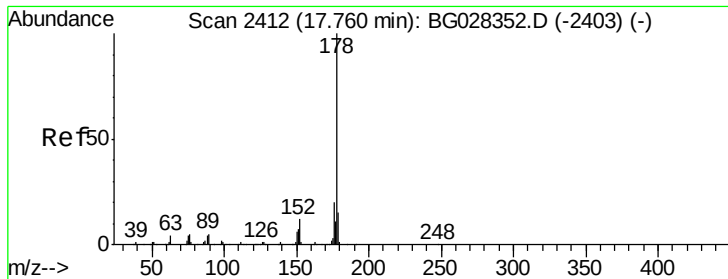
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#53
Dibenzofuran
Concen: 1.335 ng/ul
RT: 15.36 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	39.0	33.8	50.8





#69

Phenanthrene

Concen: 14.757 ng/ul

RT: 17.76 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

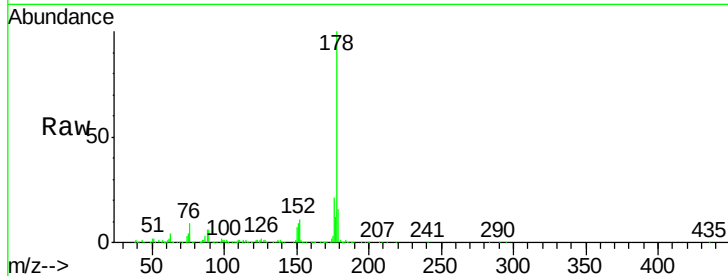
ClientSampleId :

C0AG2

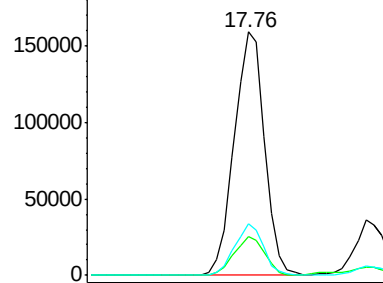
Tgt Ion:	178	Resp:	250383
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.4	18.6
176	21.3	16.5	24.7

Manual Integrations
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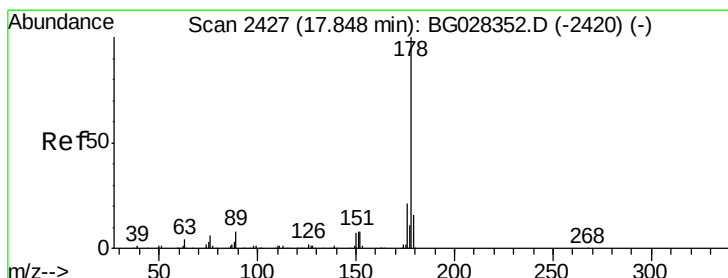
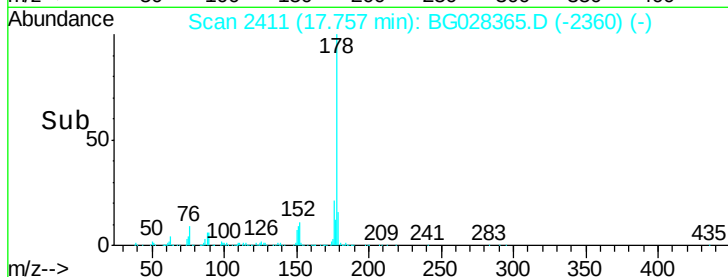
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 3.245 ng/ul

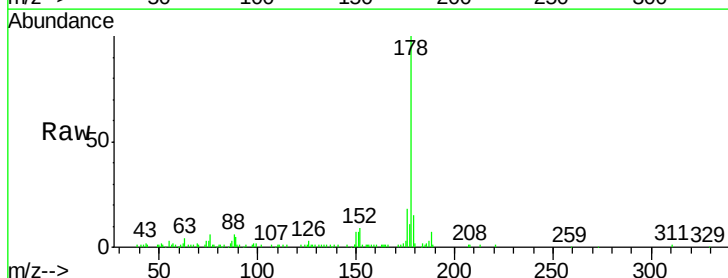
RT: 17.85 min Scan# 2426

Delta R.T. -0.00 min

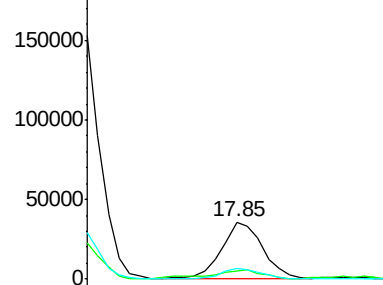
Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

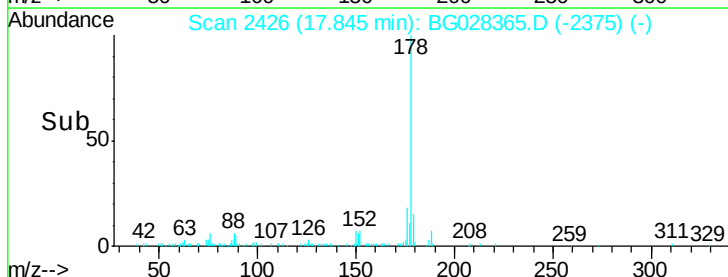
Tgt Ion:	178	Resp:	56271
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.6	19.0
176	17.6	15.9	23.9

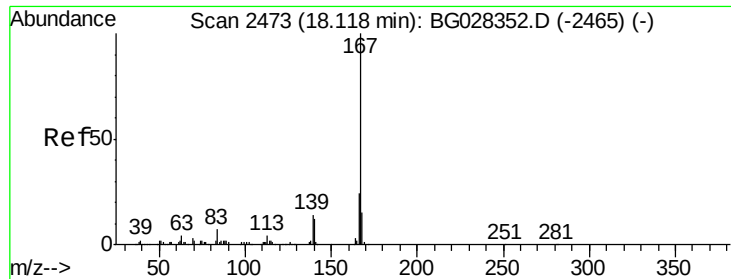


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Carbazole

Concen: 2.223 ng/ul

RT: 18.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

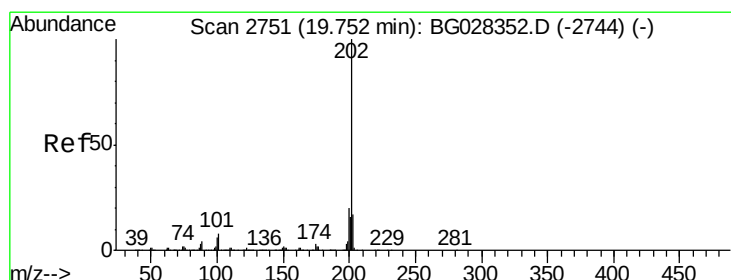
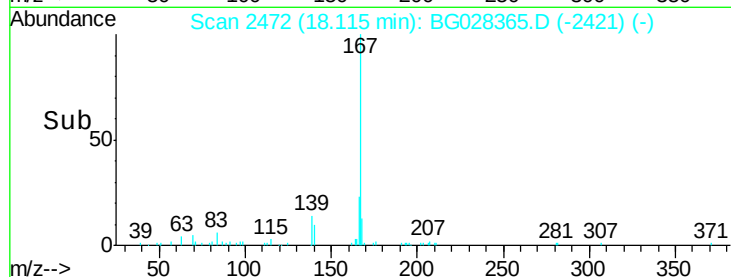
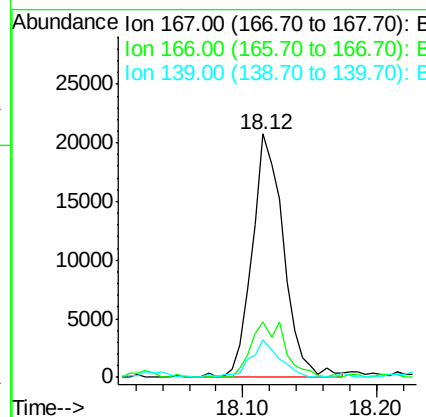
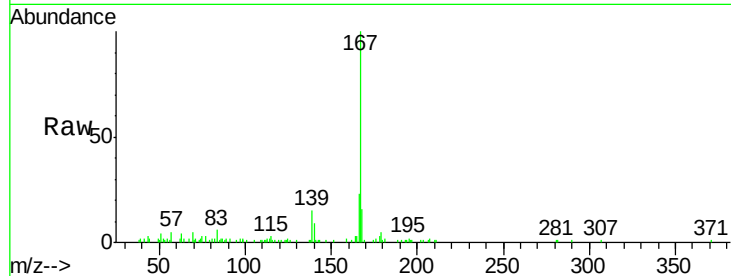
ClientSampled :

C0AG2

Tgt Ion:	167	Resp:	33529
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.9	26.9
139	15.3	10.5	15.7

Manual Integrations
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#74

Fluoranthene

Concen: 19.198 ng/ul

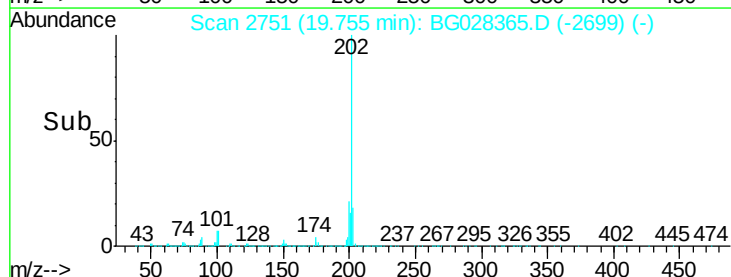
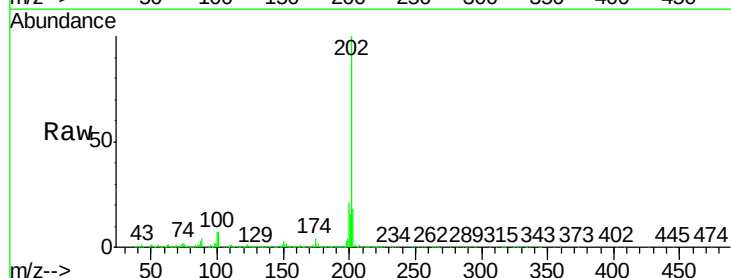
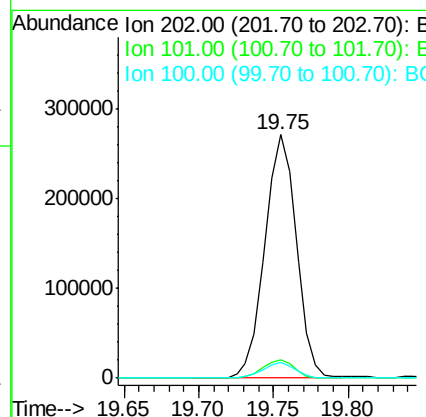
RT: 19.75 min Scan# 2751

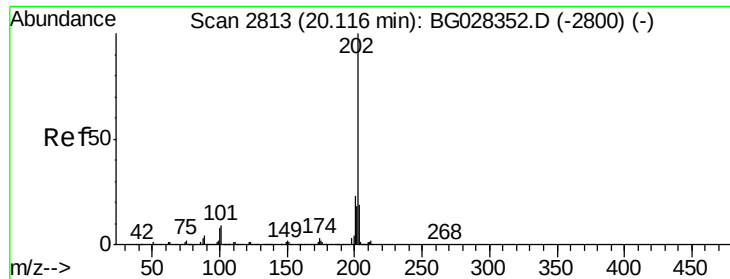
Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Tgt Ion:	202	Resp:	395873
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.2
100	6.6	5.2	7.8





#77

Pyrene

Concen: 14.771 ng/ul

RT: 20.12 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

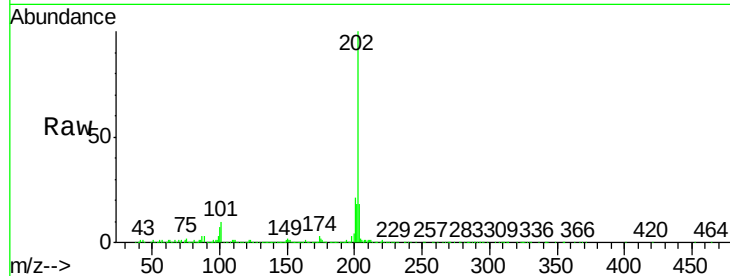
ClientSampleId :

C0AG2

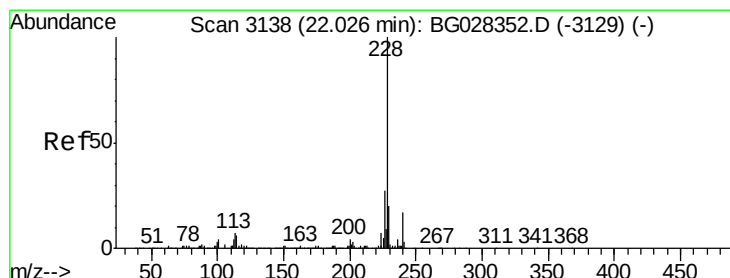
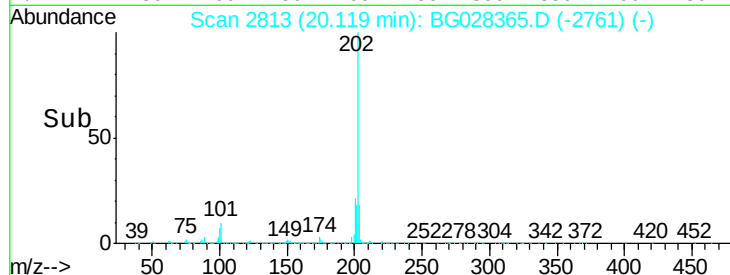
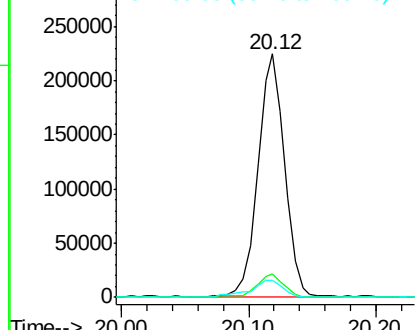
Tgt Ion:	202	Resp:	328828
Ion Ratio	Lower	Upper	
202	100		
101	9.8	6.9	10.3
100	7.2	6.6	10.0

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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: 10.833 ng/ul

RT: 22.03 min Scan# 3138

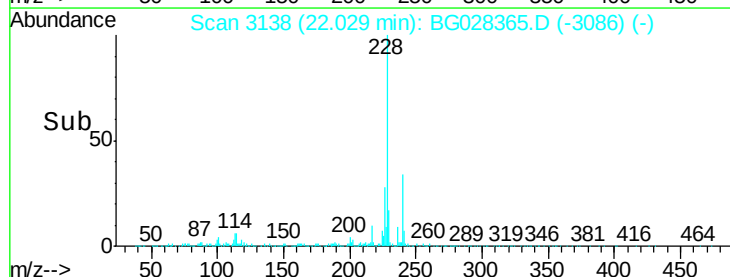
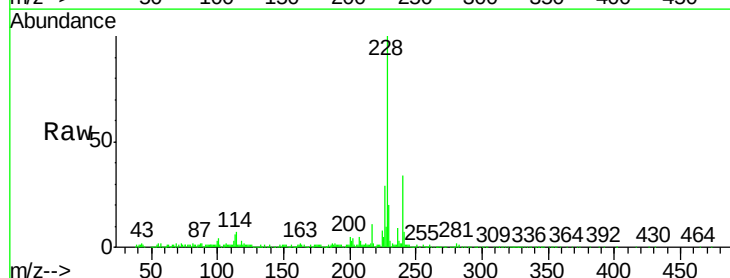
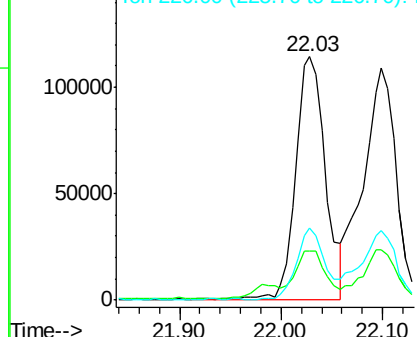
Delta R.T. 0.00 min

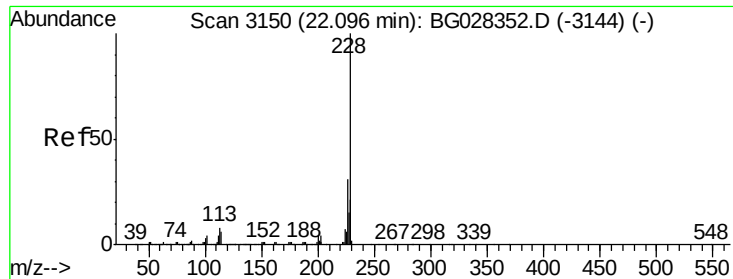
Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Tgt Ion:	228	Resp:	233564
Ion Ratio	Lower	Upper	
228	100		
229	20.2	16.3	24.5
226	29.5	21.9	32.9

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





#82

Chrysene

Concen: 12.689 ng/ul

RT: 22.10 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

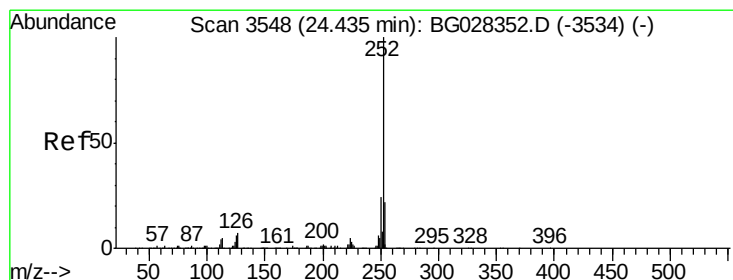
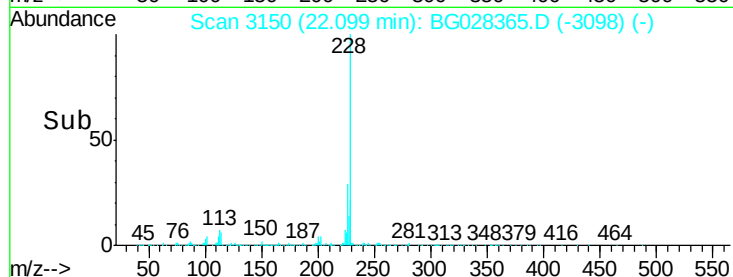
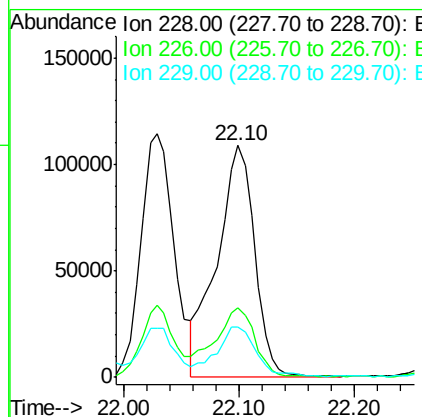
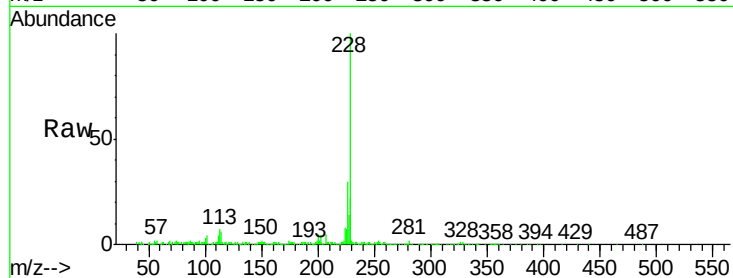
ClientSampled :

C0AG2

Tgt Ion:	228	Resp:	246383
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.0	36.0
229	21.9	16.9	25.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 18.585 ng/ul

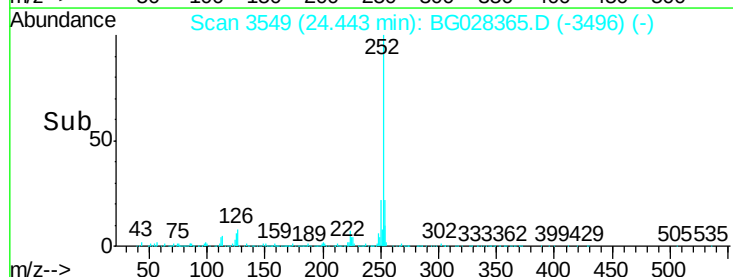
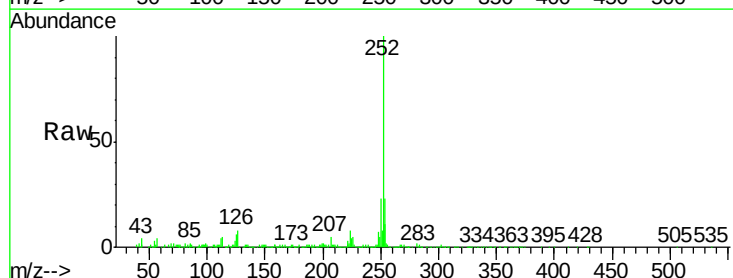
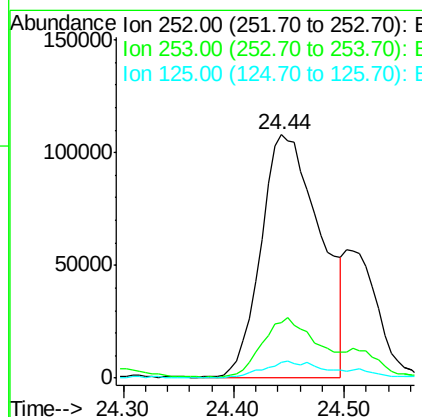
RT: 24.44 min Scan# 3549

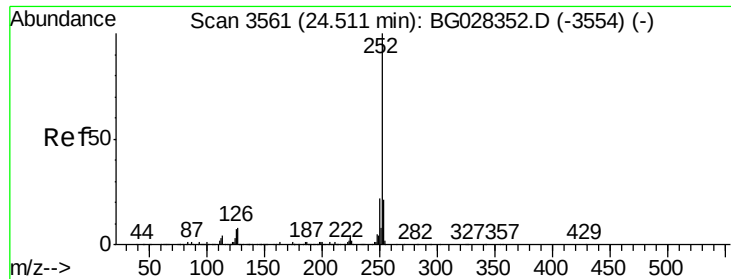
Delta R.T. 0.01 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Tgt Ion:	252	Resp:	401189
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	6.4	4.0	6.0#





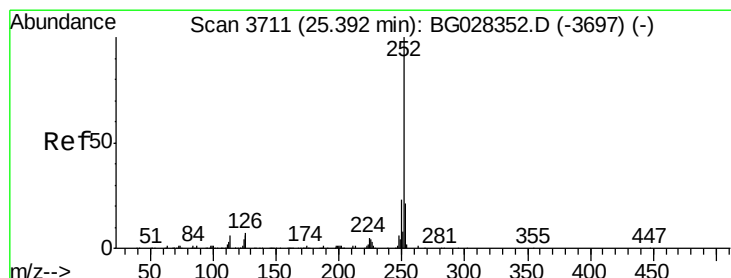
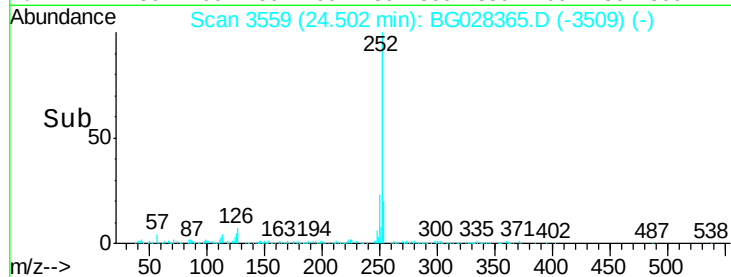
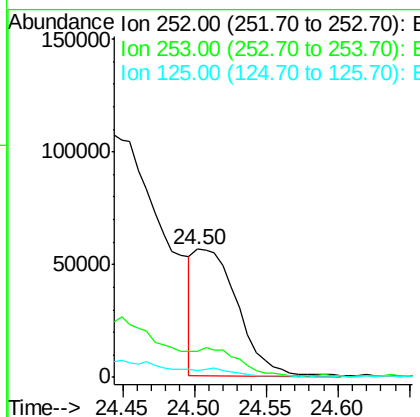
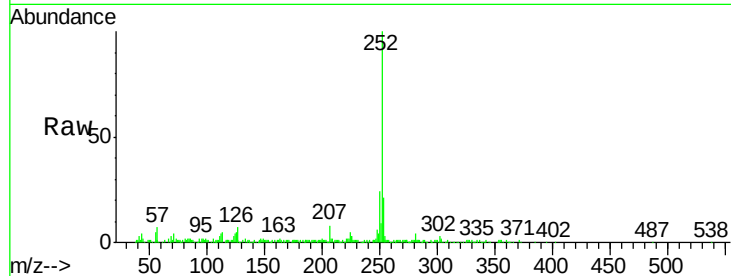
#86
Benzo(k)fluoranthene
Concen: 5.649 ng/ul m
RT: 24.50 min Scan# 3559
Delta R.T. -0.01 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Instrument :
BNA_G
ClientSampleId :
C0AG2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	119105		
253	20.5	18.5	27.7	
125	5.3	4.1	6.1	

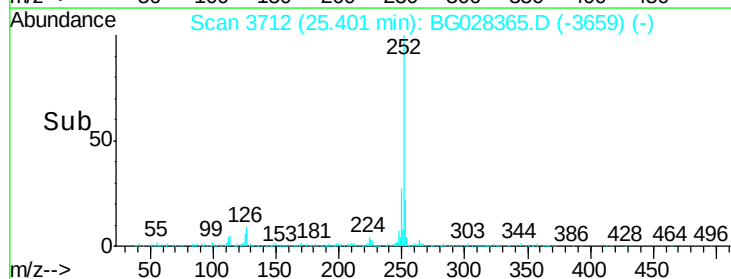
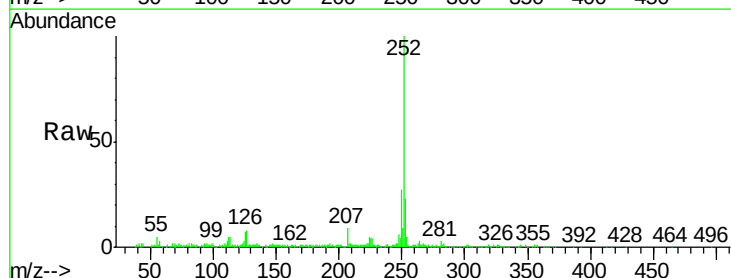
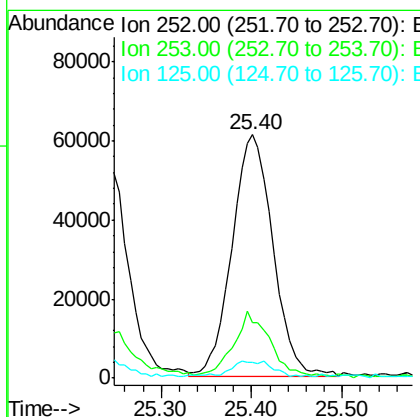
Manual Integrations
APPROVED

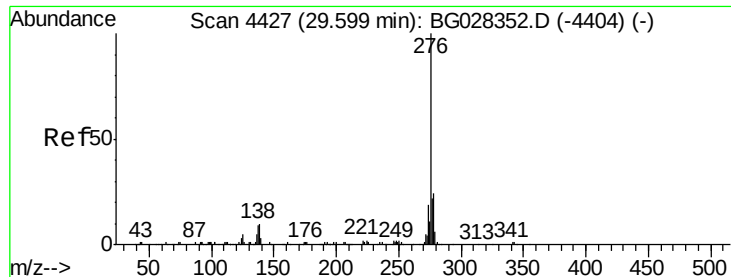
Sohil
8/16/2017 6:40:36 PM



#88
Benzo(a)pyrene
Concen: 9.110 ng/ul
RT: 25.40 min Scan# 3712
Delta R.T. 0.01 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	190397		
253	22.7	17.8	26.6	
125	6.7	5.4	8.0	





#89

Indeno(1,2,3-cd)pyrene

Concen: 5.672 ng/ul

RT: 29.61 min Scan# 4429

Delta R.T. 0.01 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

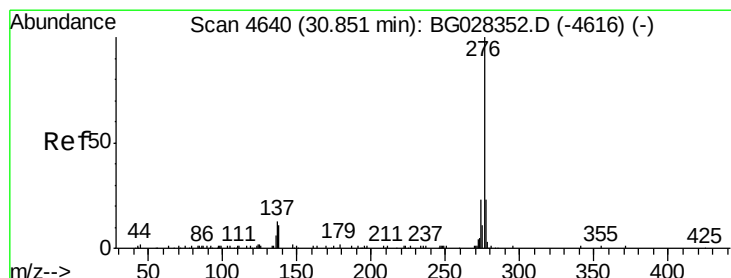
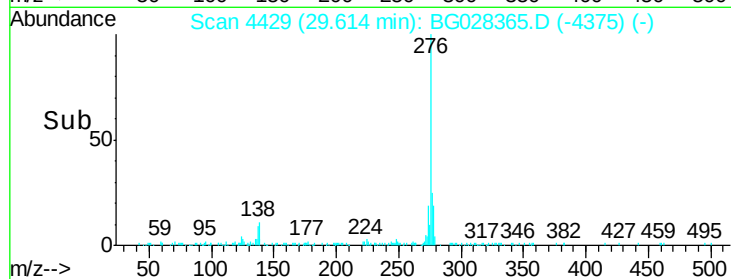
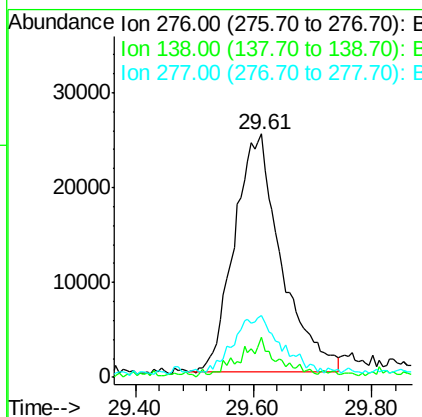
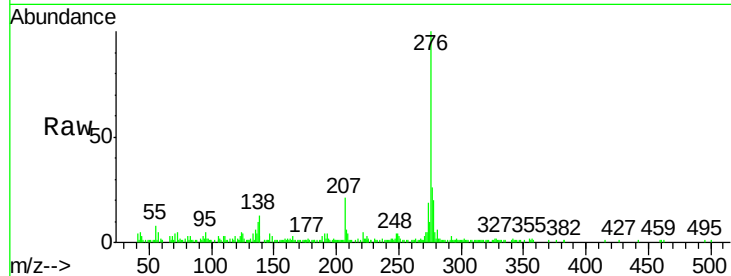
ClientSampleId :

C0AG2

Tgt Ion:	276	Resp:	138828
Ion Ratio	Lower	Upper	
276	100		
138	16.5	8.2	12.4#
277	25.6	18.6	28.0

Manual Integrations
APPROVED

Sohil
8/16/2017 6:40:36 PM



#91

Benzo(g,h,i)perylene

Concen: 5.167 ng/ul

RT: 30.87 min Scan# 4643

Delta R.T. 0.02 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Tgt Ion:	276	Resp:	104049
Ion Ratio	Lower	Upper	
276	100		
138	13.1	8.6	12.8#
277	23.2	17.6	26.4

