

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
 Data File : BG028430.D
 Acq On : 22 Aug 2017 23:17
 Operator : SJ/JU
 Sample : I4713-10DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 E7GC0DL

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:27 PM

Quant Time: Aug 23 07:53:33 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 07:06:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	40239	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	194328	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	139394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	324149	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	355965	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	349504	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	624	0.72	ng/uL	0.01
5) Phenol-d5	7.50	99	19962	4.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	12143	4.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	15463	5.55	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	16682	4.52	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	7772	5.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	9028	5.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	18660	5.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	3919	1.02	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	69302	5.59	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	79178	5.66	ng/ul	0.00
51) 4-Nitrophenol-d4	15.16	143	6383	3.24	ng/ul	0.01
57) Fluorene-d10	15.94	176	59325	5.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	6530	3.10	ng/ul	0.00
70) Anthracene-d10	17.80	188	93029	5.99	ng/ul	0.00
76) Pyrene-d10	20.07	212	104952	5.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	95825	5.86	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	11.22	128	13485	1.401	ng/ul#	95
34) 2-Methylnaphthalene	12.79	142	15902	2.057	ng/ul	83
44) Dimethylphthalate	14.39	163	30294	2.654	ng/ul#	92
69) Phenanthrene	17.74	178	109132	6.690	ng/ul	97
72) Carbazole	18.11	167	15992	1.103	ng/ul#	93
74) Fluoranthene	19.74	202	396278	19.989	ng/ul	99
77) Pyrene	20.11	202	322475	15.184	ng/ul	97
80) Benzo(a)anthracene	22.01	228	147432	7.168	ng/ul	96
82) Chrysene	22.08	228	217279	11.730	ng/ul	98
85) Benzo(b)fluoranthene	24.42	252	384346	18.377	ng/ul	97
86) Benzo(k)fluoranthene	24.48	252	74536m	3.648	ng/ul	
88) Benzo(a)pyrene	25.37	252	195764	9.667	ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	29.55	276	197847	8.343	ng/ul	95
90) Dibenzo(a,h)anthracene	29.61	278	38432m	1.934	ng/ul	
91) Benzo(g,h,i)perylene	30.83	276	200923	10.299	ng/ul#	97

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

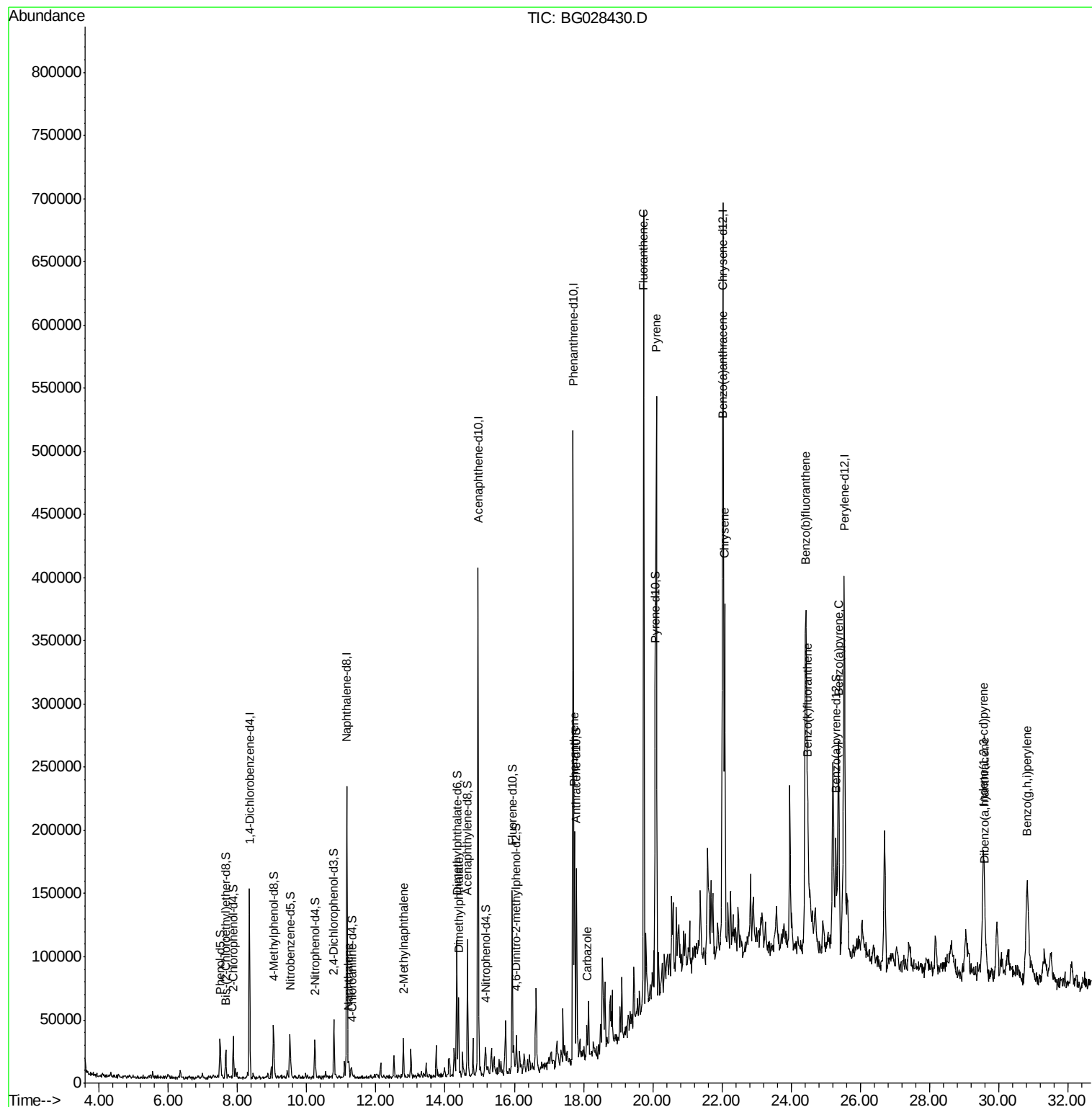
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082217\
Data File : BG028430.D
Acq On : 22 Aug 2017 23:17
Operator : SJ/JU
Sample : I4713-10DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

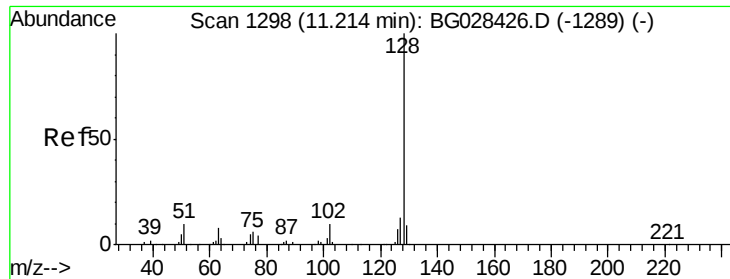
Instrument :
BNA_G
ClientSampleId :
E7GC0DL

Manual Integrations
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8/23/2017 3:02:27 PM

Quant Time: Aug 23 07:53:33 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 07:06:03 2017
Response via : Initial Calibration





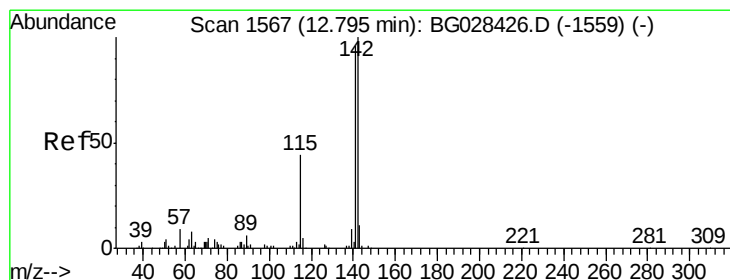
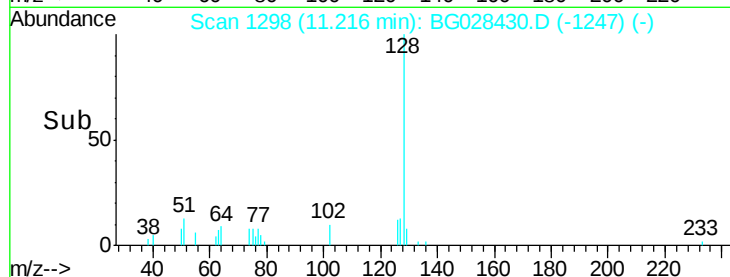
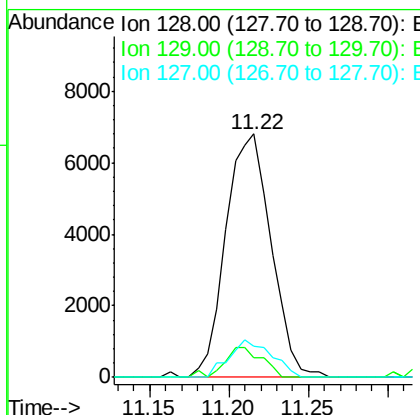
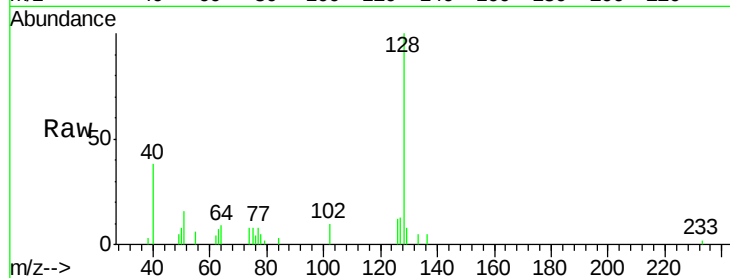
#28
Naphthalene
Concen: 1.401 ng/ul
RT: 11.22 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Instrument :
BNA_G
ClientSampleId :
E7GC0DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.0	9.4	14.2#
127	12.9	10.3	15.5

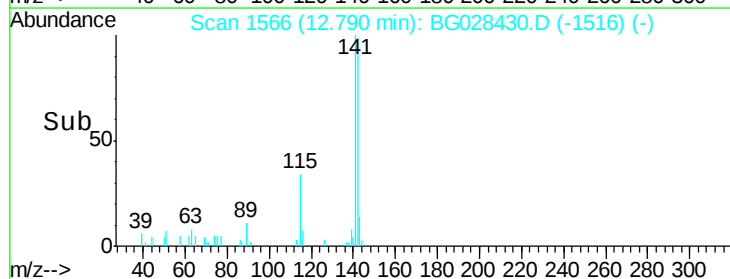
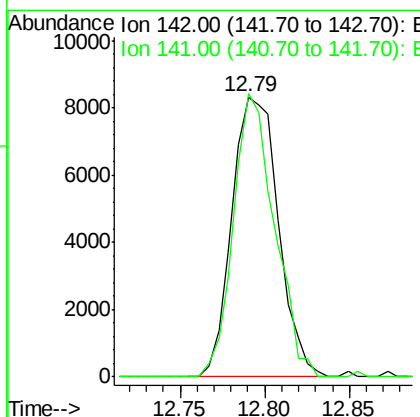
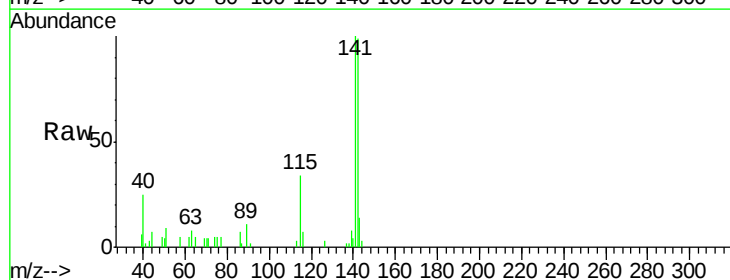
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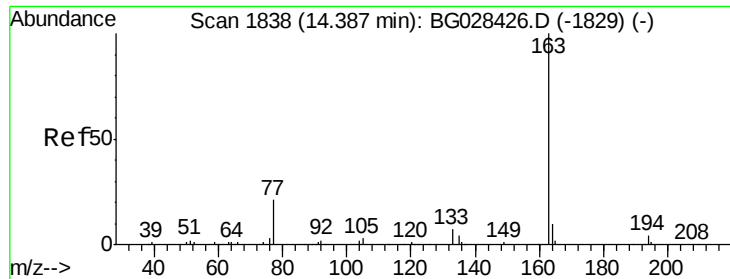
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#34
2-Methylnaphthalene
Concen: 2.057 ng/ul
RT: 12.79 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	101.2	68.6	102.8





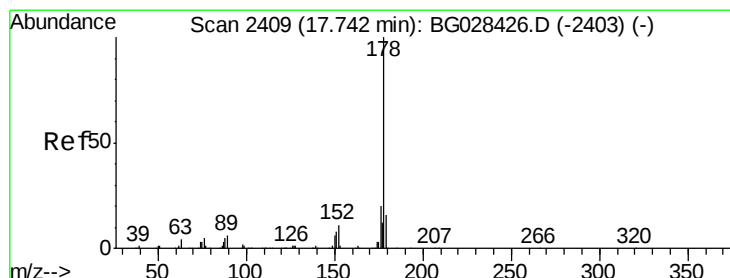
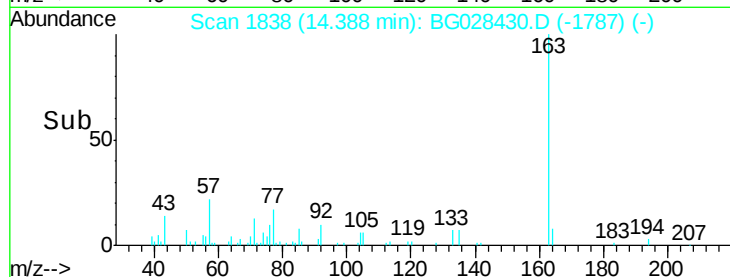
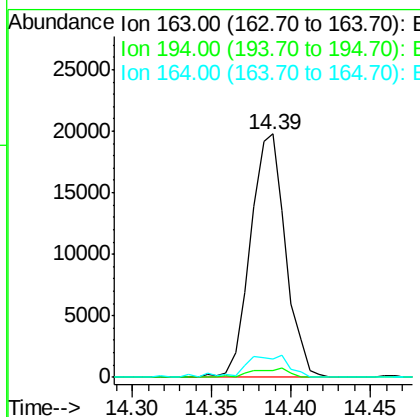
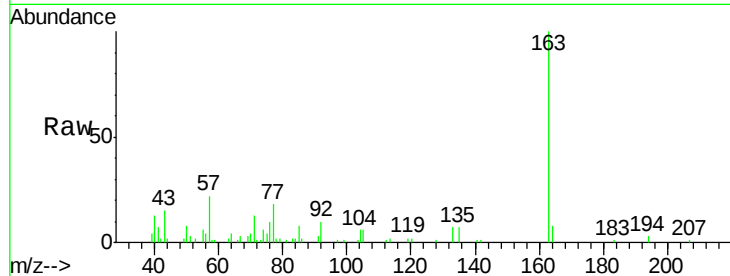
#44
Dimethylphthalate
Concen: 2.654 ng/ul
RT: 14.39 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Instrument :
BNA_G
ClientSampled :
E7GC0DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	30294		
194	2.6	3.4	5.0#	
164	7.8	9.0	13.4#	

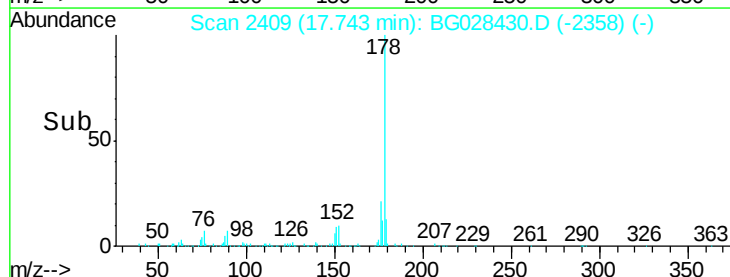
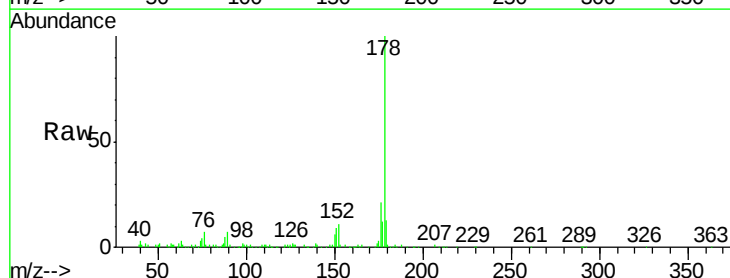
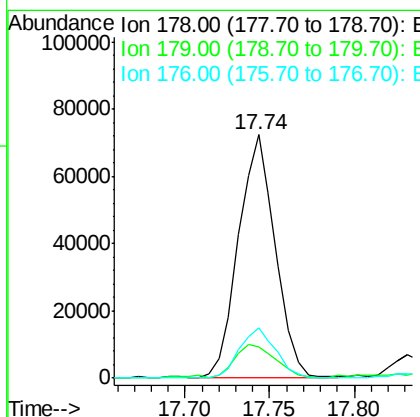
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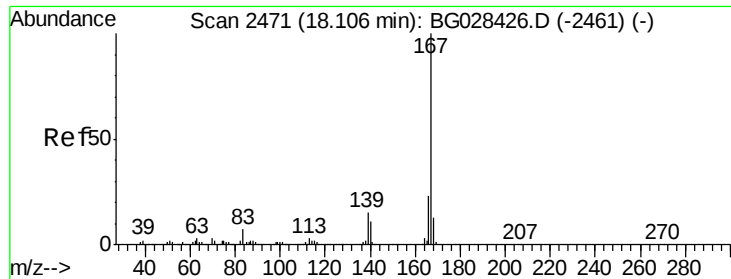
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#69
Phenanthrene
Concen: 6.690 ng/ul
RT: 17.74 min Scan# 2409
Delta R.T. 0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	109132		
179	12.9	12.4	18.6	
176	20.5	16.5	24.7	





#72

Carbazole

Concen: 1.103 ng/ul

RT: 18.11 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

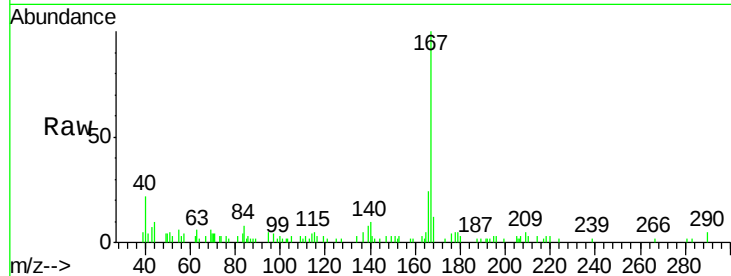
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E7GC0DL

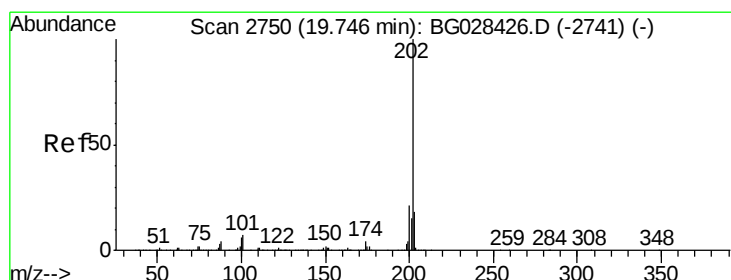
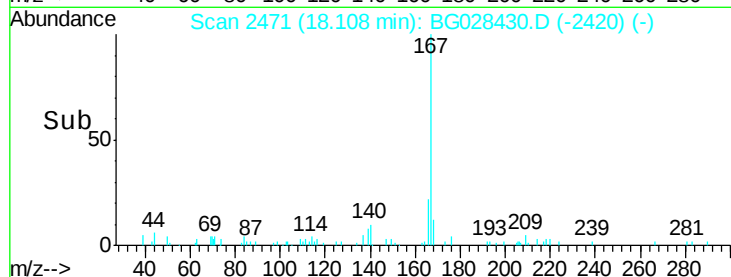
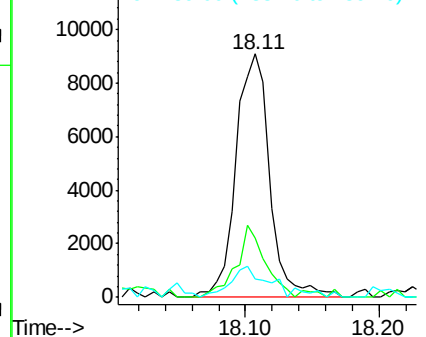
Tgt Ion:	167	Resp:	15992
Ion Ratio		Lower	Upper
167	100		
166	24.1	17.9	26.9
139	7.6	10.5	15.7

Manual Integrations
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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: 19.989 ng/ul

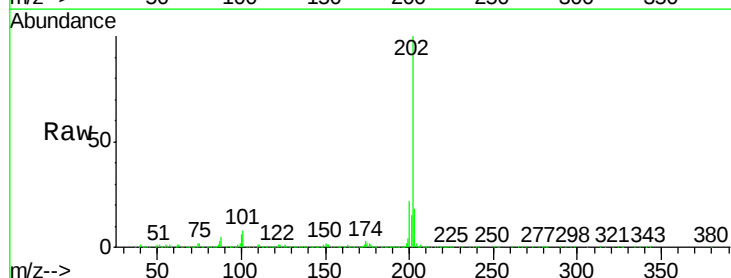
RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

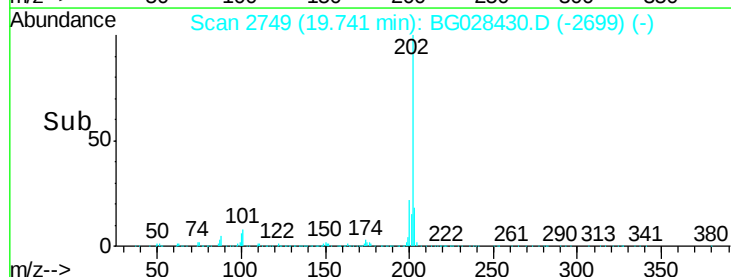
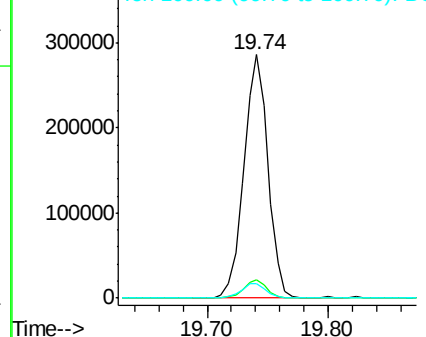
Lab File: BG028430.D

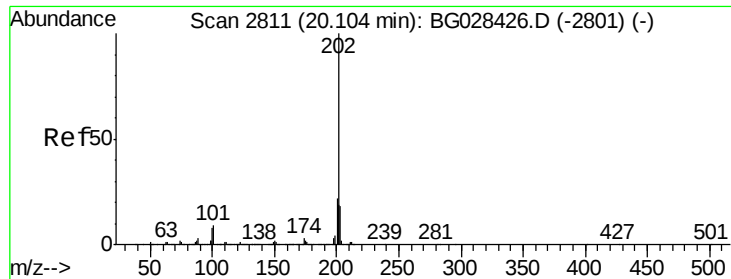
Acq: 22 Aug 2017 23:17

Tgt Ion:	202	Resp:	396278
Ion Ratio		Lower	Upper
202	100		
101	7.6	6.2	9.2
100	5.8	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: 15.184 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

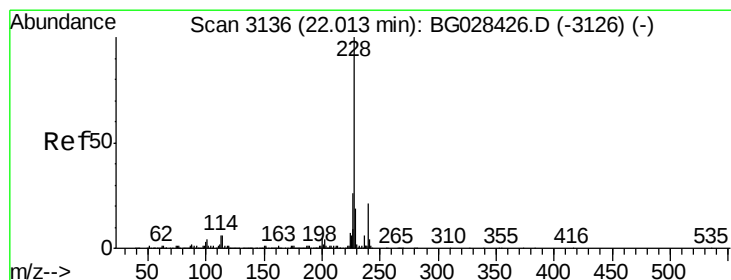
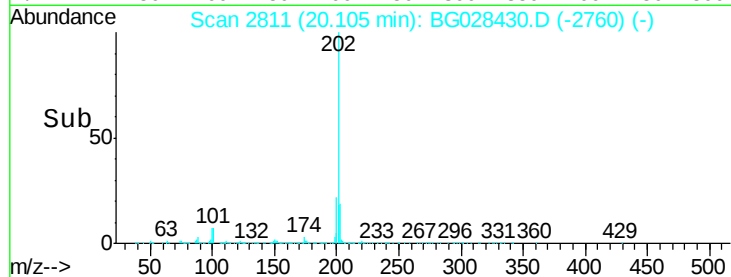
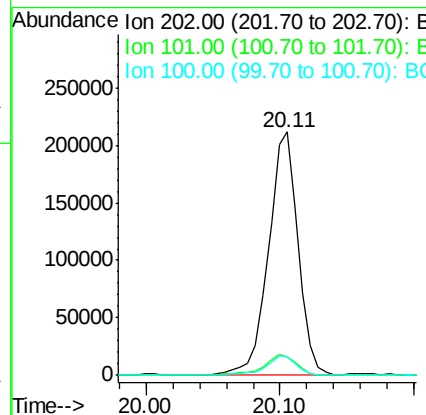
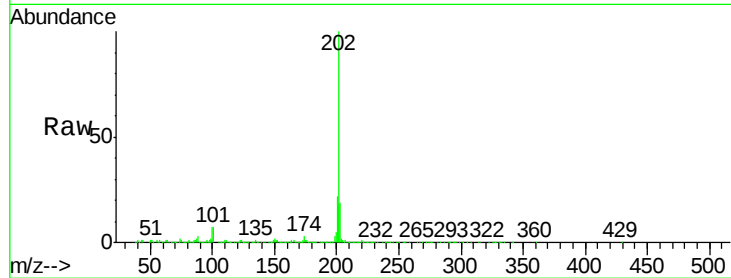
ClientSampled :

E7GC0DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		322475		
101	7.3	6.9	10.3		
100	7.5	6.6	10.0		

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#80

Benzo(a)anthracene

Concen: 7.168 ng/ul

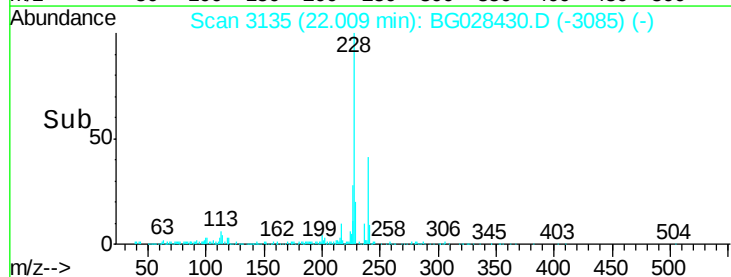
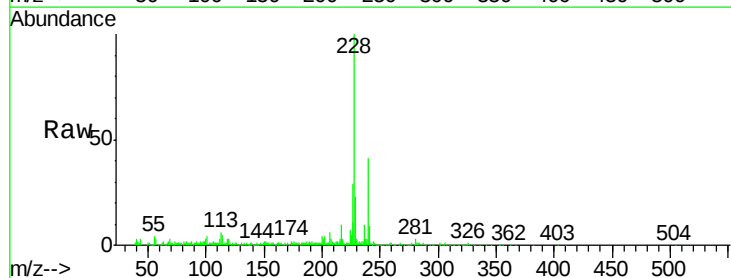
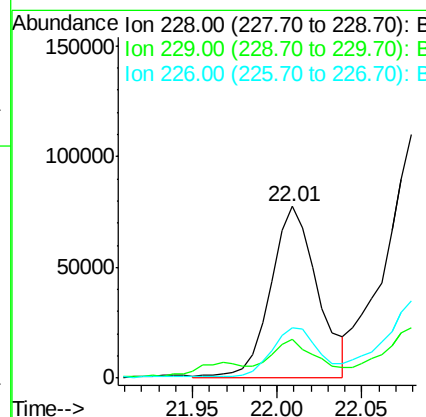
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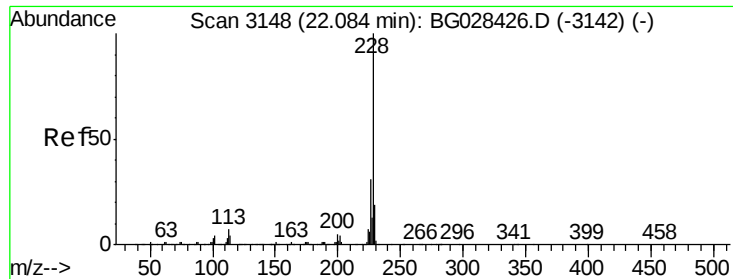
Delta R.T. -0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		147432		
229	22.5	16.3	24.5		
226	29.1	21.9	32.9		





#82

Chrysene

Concen: 11.730 ng/ul

RT: 22.08 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Instrument :

BNA_G

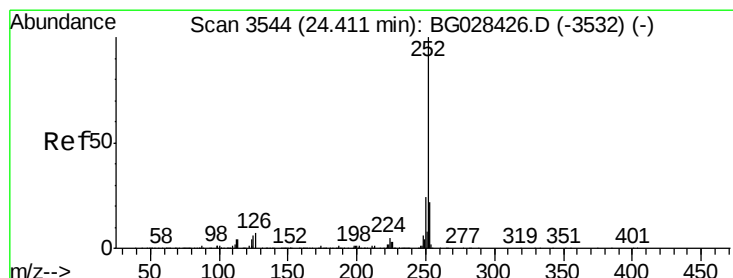
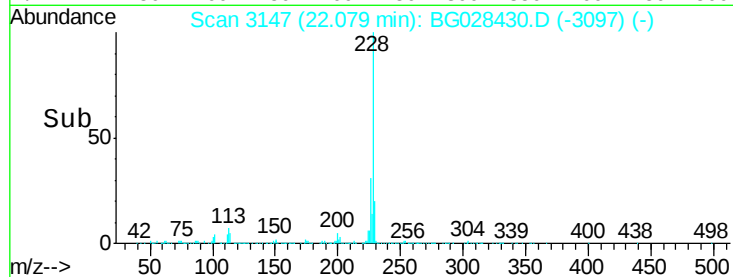
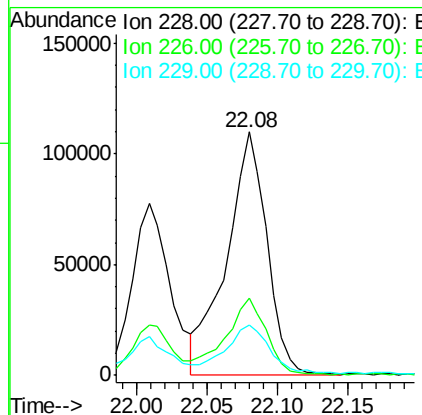
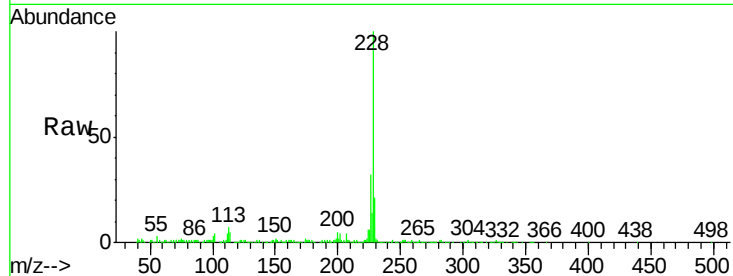
ClientSampleId :

E7GC0DL

Tgt Ion:	228	Resp:	217279
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.0	36.0
229	20.5	16.9	25.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 18.377 ng/ul

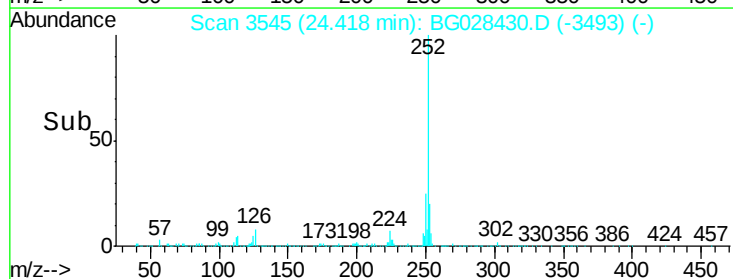
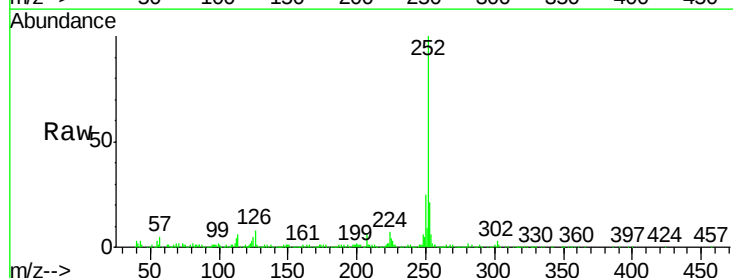
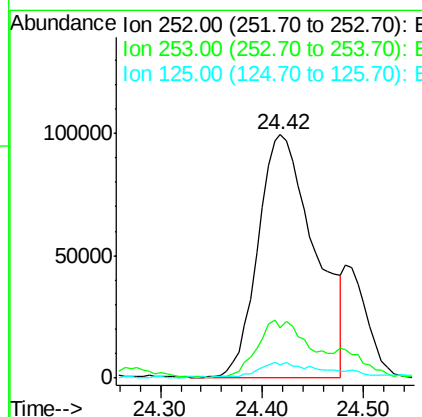
RT: 24.42 min Scan# 3545

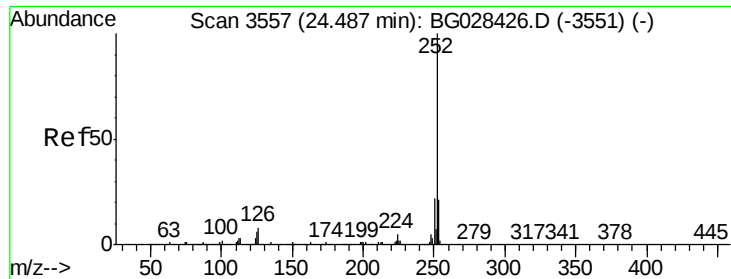
Delta R.T. 0.01 min

Lab File: BG028430.D

Acq: 22 Aug 2017 23:17

Tgt Ion:	252	Resp:	384346
Ion Ratio	Lower	Upper	
252	100		
253	20.6	17.7	26.5
125	5.4	4.0	6.0





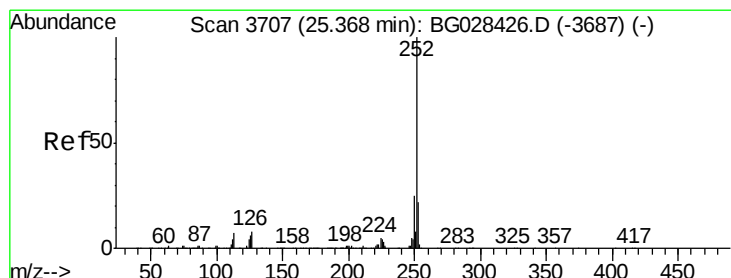
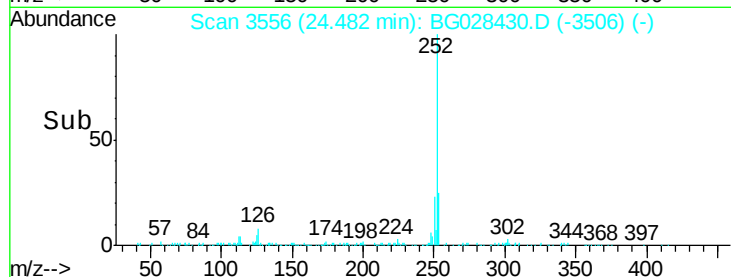
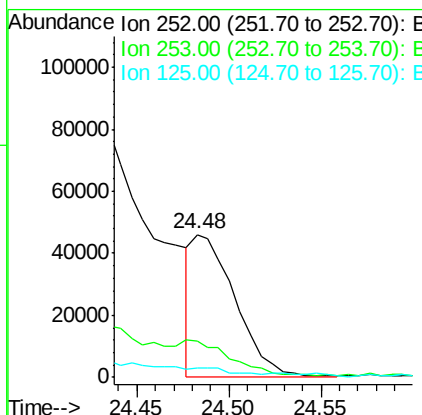
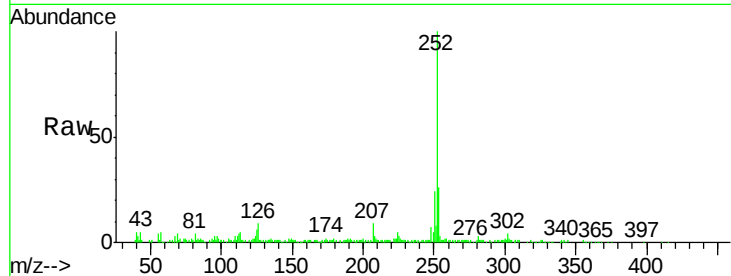
#86
Benzo(k)fluoranthene
Concen: 3.648 ng/u1 m
RT: 24.48 min Scan# 3556
Delta R.T. -0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Instrument :
BNA_G
ClientSampleId :
E7GC0DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	6.2	4.1	6.1#

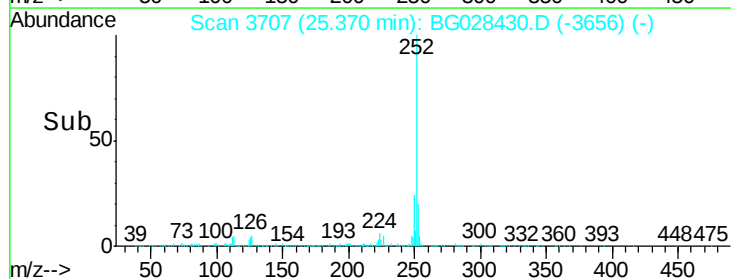
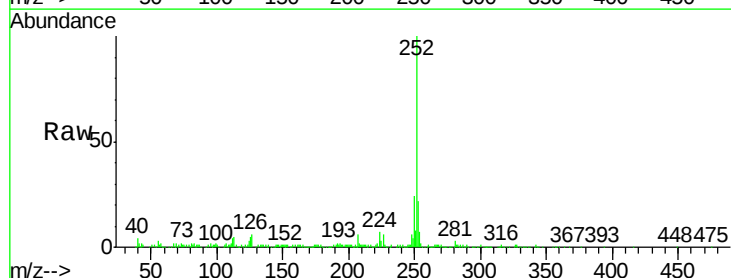
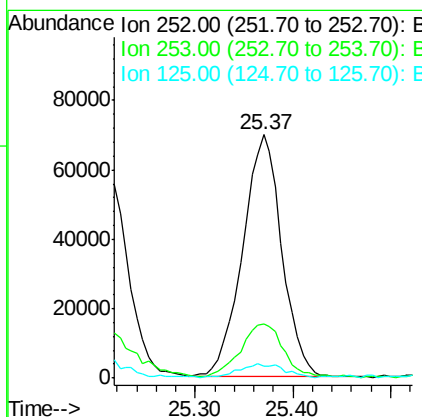
Manual Integrations
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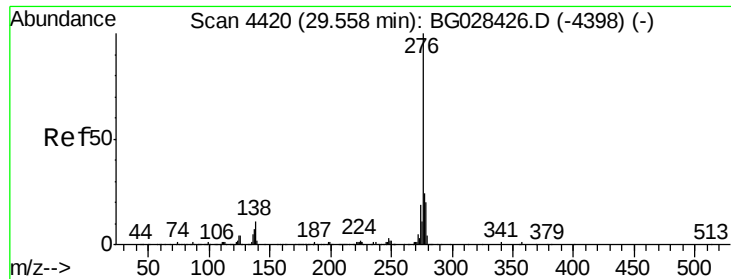
Sohil
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#88
Benzo(a)pyrene
Concen: 9.667 ng/u1
RT: 25.37 min Scan# 3707
Delta R.T. 0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	5.0	5.4	8.0#





#89

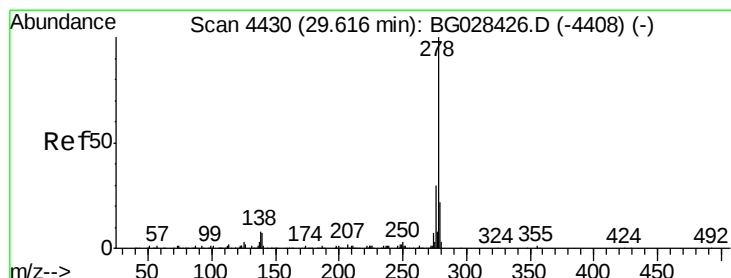
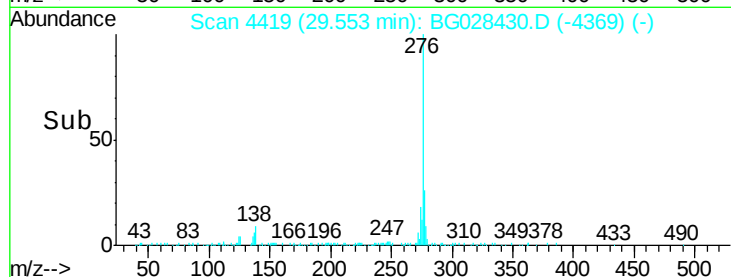
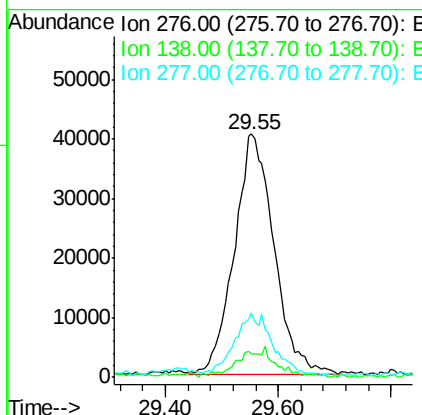
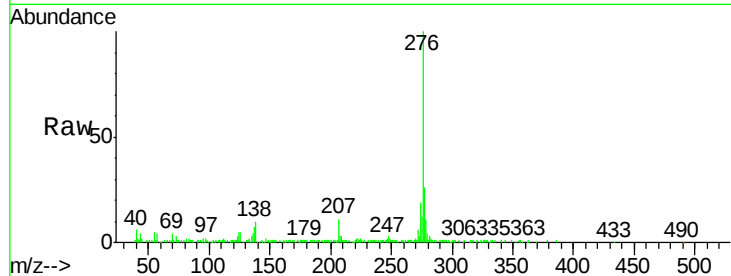
Indeno(1,2,3-cd)pyrene
Concen: 8.343 ng/ul
RT: 29.55 min Scan# 4419
Delta R.T. -0.00 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Instrument :
BNA_G
ClientSampled :
E7GC0DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	197847		
138	9.6	8.2	12.4	
277	26.2	18.6	28.0	

Manual Integrations
APPROVED

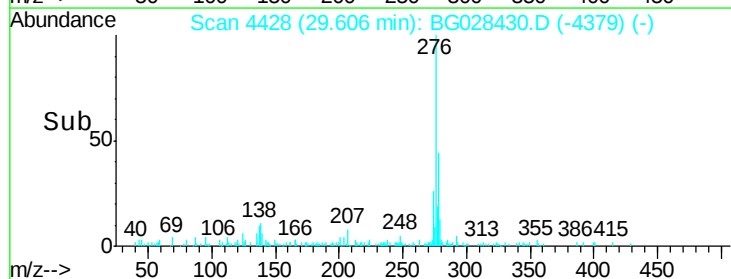
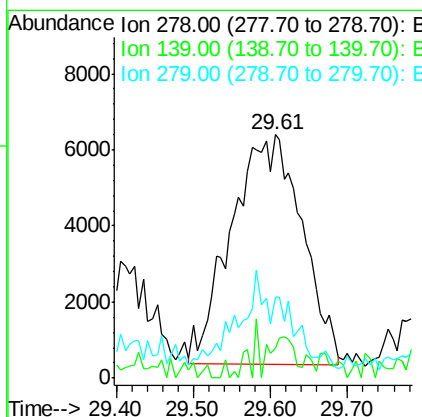
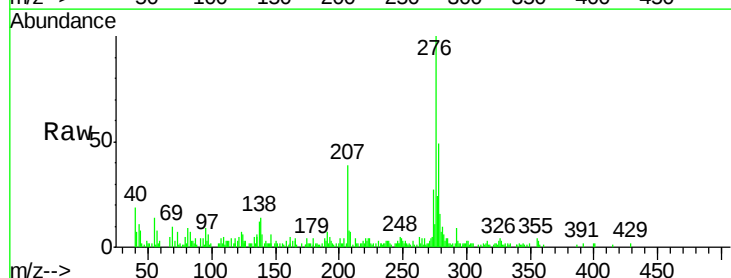
Sohil
8/23/2017 3:02:27 PM

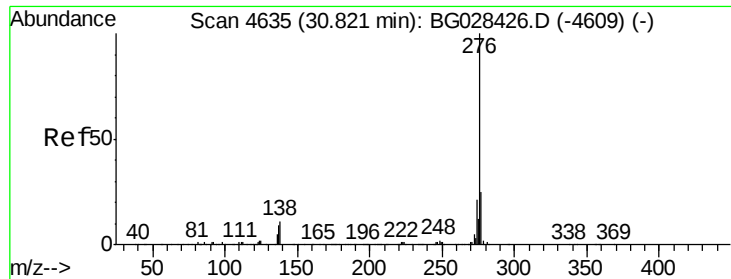


#90

Dibenzo(a,h)anthracene
Concen: 1.934 ng/ul m
RT: 29.61 min Scan# 4428
Delta R.T. -0.01 min
Lab File: BG028430.D
Acq: 22 Aug 2017 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	38432		
139	12.1	6.7	10.1#	
279	33.1	20.9	31.3#	





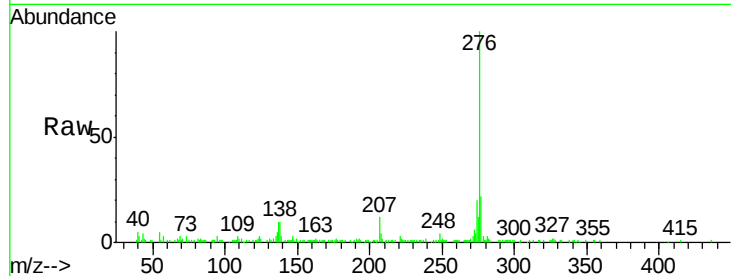
#91
 Benzo(g,h,i)perylene
 Concen: 10.299 ng/ul
 RT: 30.83 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: BG028430.D
 Acq: 22 Aug 2017 23:17

Instrument :
 BNA_G
 ClientSampleId :
 E7GC0DL

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	13.5	8.6	12.8#	
277	21.8	17.6	26.4	

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:27 PM



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

