

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
 Data File : BG028308.D
 Acq On : 12 Aug 2017 3:32
 Operator : SJ/JU
 Sample : I4529-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AA5

Manual Integrations
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 8/14/2017 6:59:42 PM

Quant Time: Aug 14 15:36:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 12 02:00:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	58314	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	263884	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.97	164	175945	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	364168	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	421576	20.00	ng/ul	0.00
83) Perylene-d12	25.57	264	413919	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	6809	5.44	ng/uL	0.00
5) Phenol-d5	7.51	99	221875	34.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	139479	34.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	161169	39.89	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	192398	35.94	ng/ul	0.00
19) Nitrobenzene-d5	9.52	128	86140	41.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	99321	43.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	192379	41.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	57368	11.01	ng/ul	0.00
43) Dimethylphthalate-d6	14.36	166	602688	38.51	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	701675	39.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.18	143	73104	29.38	ng/ul	0.01
57) Fluorene-d10	15.96	176	498925	35.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	91278	38.58	ng/ul	0.00
70) Anthracene-d10	17.81	188	783460	44.87	ng/ul	0.00
76) Pyrene-d10	20.09	212	876424	40.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.33	264	824069	42.53	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	7.54	94	19183	3.014	ng/ul#	87
11) 2-Methylphenol	8.78	108	6793	1.512	ng/ul	91
16) 4-Methylphenol	9.12	108	14039	2.767	ng/ul	79
24) 2,4-Dimethylphenol	10.33	107	28193m	4.966	ng/ul	
28) Naphthalene	11.23	128	47753	3.654	ng/ul	98
34) 2-Methylnaphthalene	12.81	142	65946	6.282	ng/ul	93
40) 1,1'-Biphenyl	13.80	154	20931	1.629	ng/ul#	90
44) Dimethylphthalate	14.40	163	89364	6.202	ng/ul	98
49) Acenaphthene	15.03	153	17828	1.567	ng/ul	86
53) Dibenzofuran	15.36	168	54198	3.267	ng/ul	93
58) Fluorene	16.01	166	84176	5.732	ng/ul	96
69) Phenanthrene	17.76	178	181021	9.877	ng/ul	98
74) Fluoranthene	19.75	202	101421	4.554	ng/ul#	97
77) Pyrene	20.12	202	118207	4.700	ng/ul	97
80) Benzo(a)anthracene	22.03	228	46534	1.910	ng/ul#	77
82) Chrysene	22.10	228	42360	1.931	ng/ul#	80
88) Benzo(a)pyrene	25.41	252	31016	1.293	ng/ul#	84

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

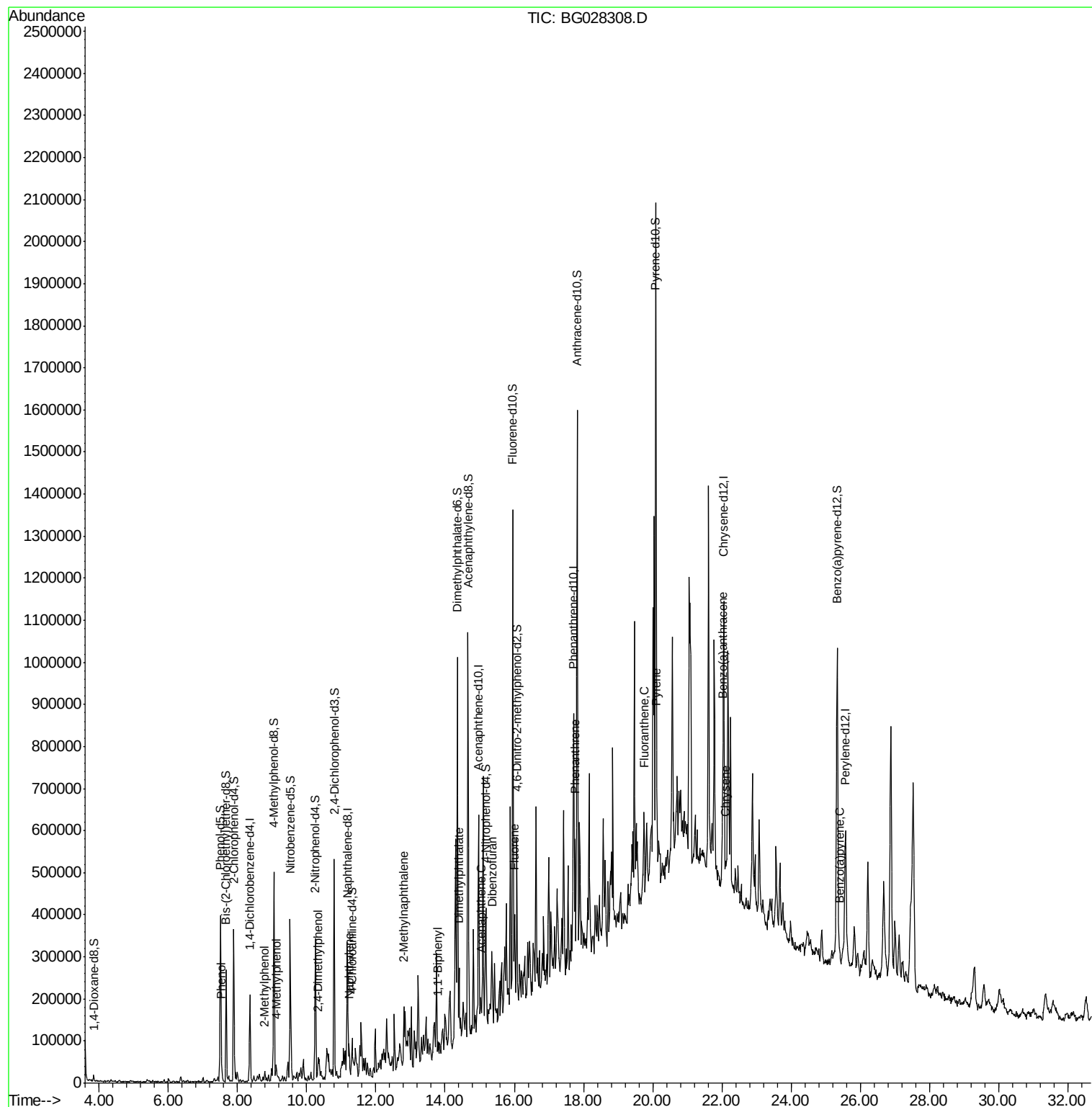
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081117\
Data File : BG028308.D
Acq On : 12 Aug 2017 3:32
Operator : SJ/JU
Sample : I4529-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

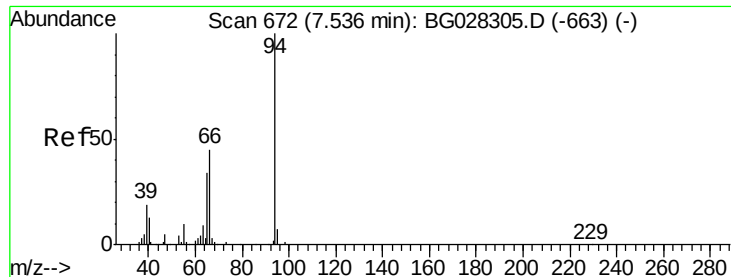
Instrument :
BNA_G
ClientSampleId :
C0AA5

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.014 ng/ul

RT: 7.54 min Scan# 672

Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Instrument :

BNA_G

ClientSampled :

C0AA5

Tgt Ion: 94 Resp: 19183

Ion Ratio Lower Upper

94 100

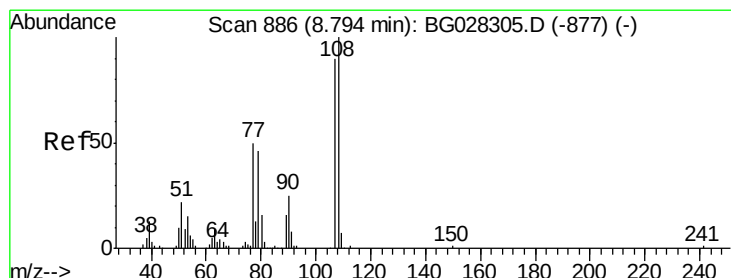
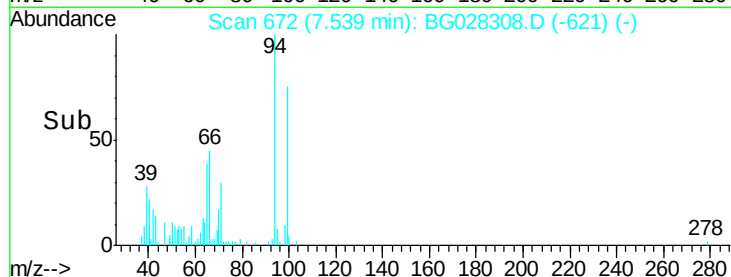
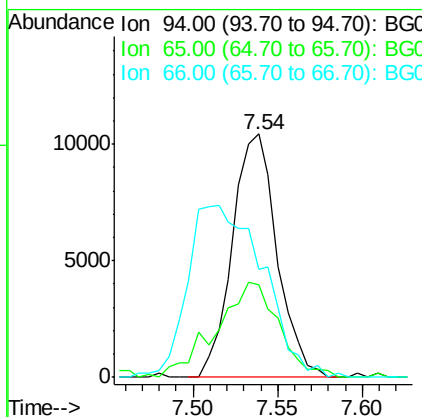
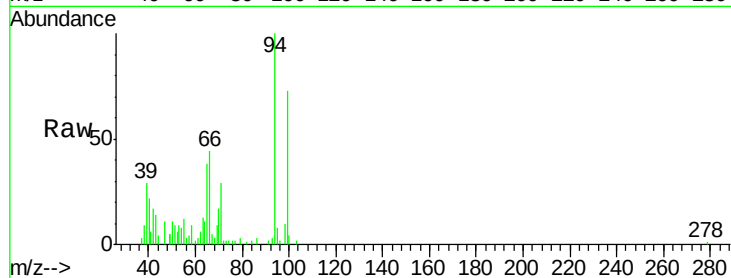
65 37.9 26.8 40.2

66 44.3 44.4 66.6#

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#11

2-Methylphenol

Concen: 1.512 ng/ul

RT: 8.78 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG028308.D

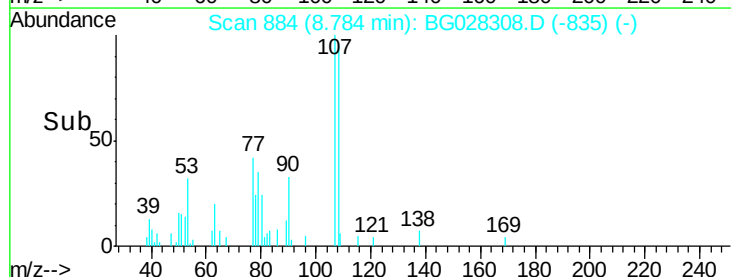
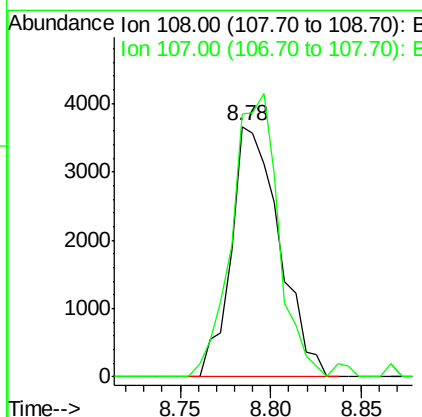
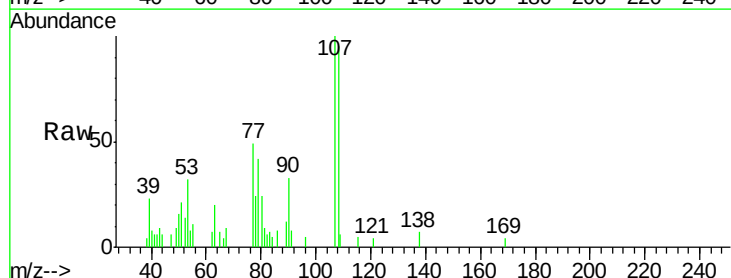
Acq: 12 Aug 2017 3:32

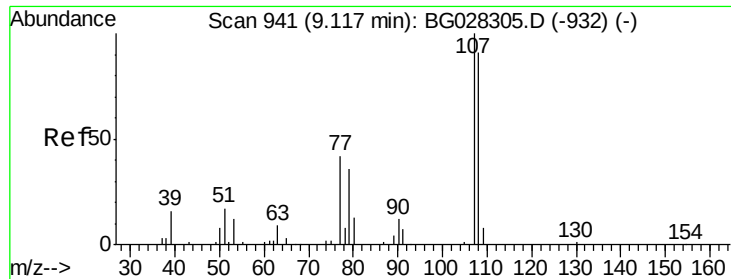
Tgt Ion: 108 Resp: 6793

Ion Ratio Lower Upper

108 100

107 104.9 76.7 115.1





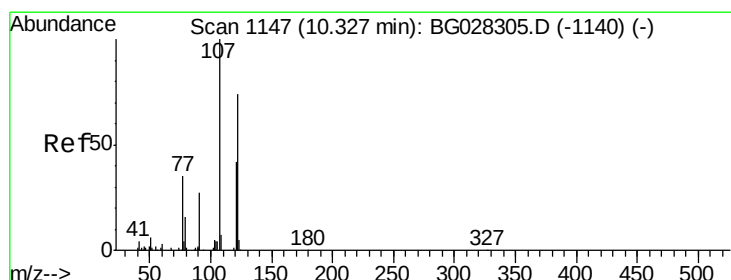
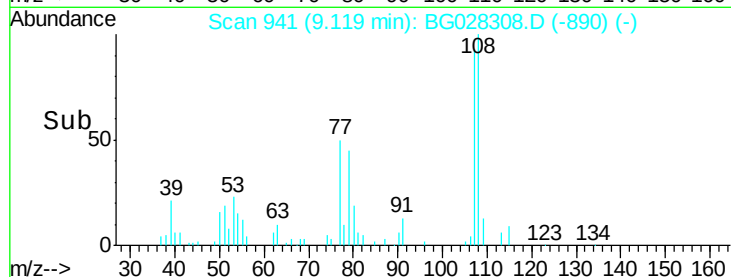
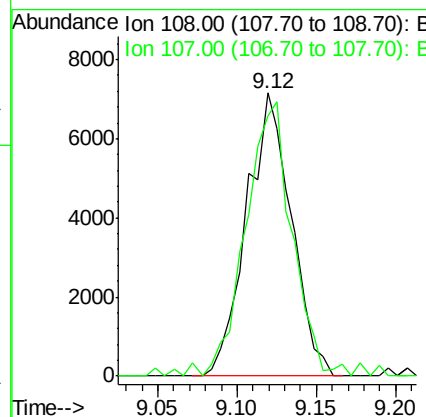
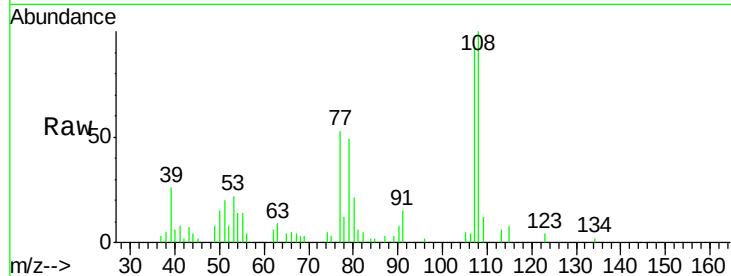
#16
 4-Methylphenol
 Concen: 2.767 ng/ul
 RT: 9.12 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BG028308.D
 Acq: 12 Aug 2017 3:32

Instrument :
 BNA_G
 ClientSampled :
 C0AA5

Tgt Ion:108 Resp: 14039
 Ion Ratio Lower Upper
 108 100
 107 92.1 91.7 137.5

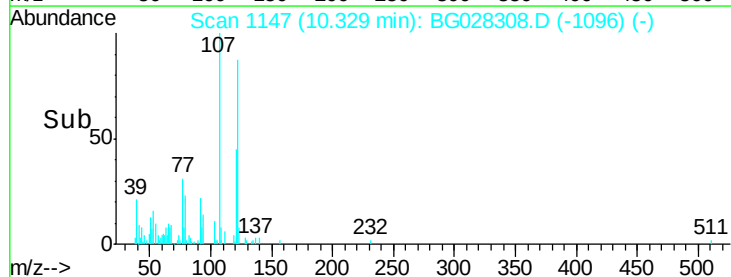
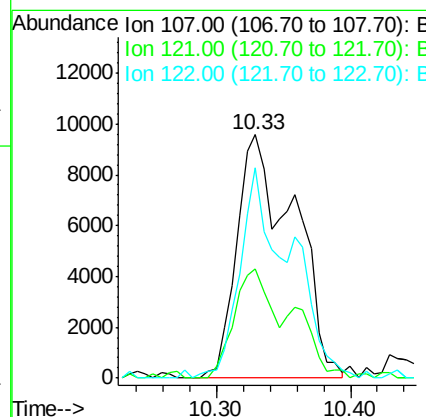
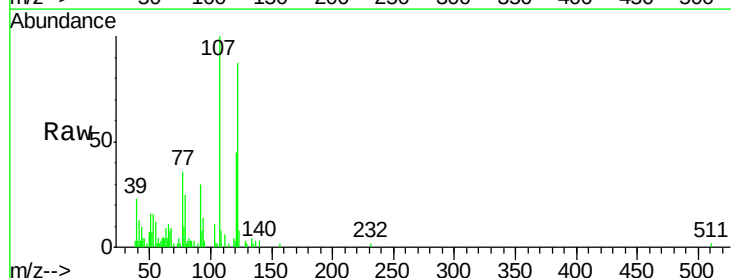
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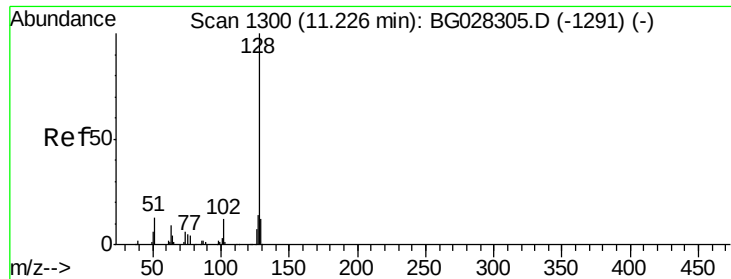
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#24
 2,4-Dimethylphenol
 Concen: 4.966 ng/ul m
 RT: 10.33 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BG028308.D
 Acq: 12 Aug 2017 3:32

Tgt Ion:107 Resp: 28193
 Ion Ratio Lower Upper
 107 100
 121 44.8 32.3 48.5
 122 86.5 61.2 91.8





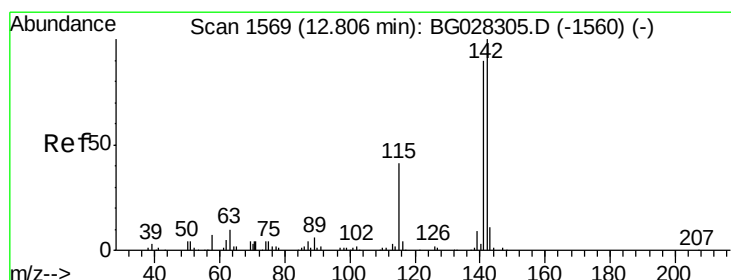
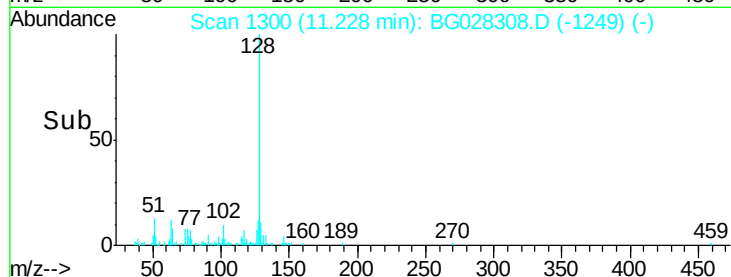
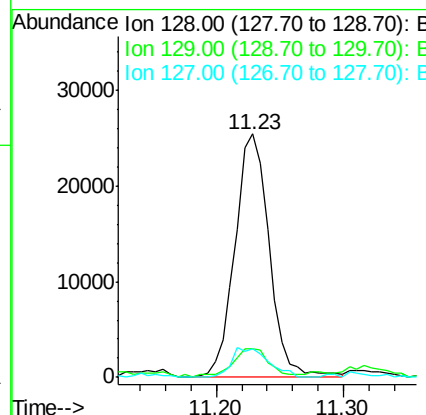
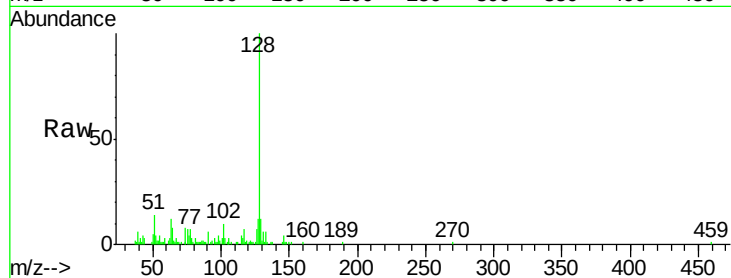
#28
Naphthalene
Concen: 3.654 ng/ul
RT: 11.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Instrument :
BNA_G
ClientSampleId :
C0AA5

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	47753		
129	11.9		9.4	14.2
127	11.7		10.3	15.5

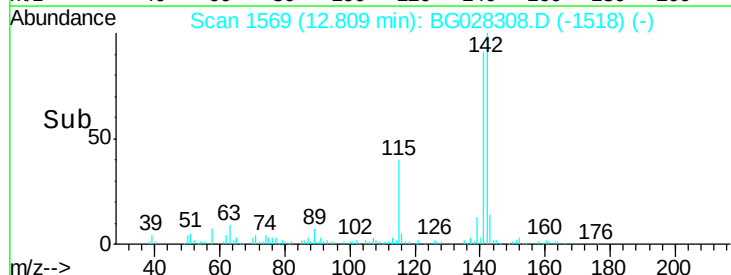
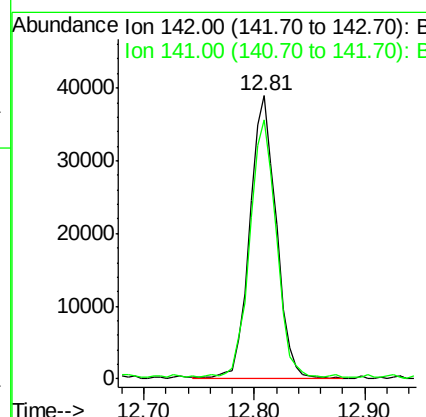
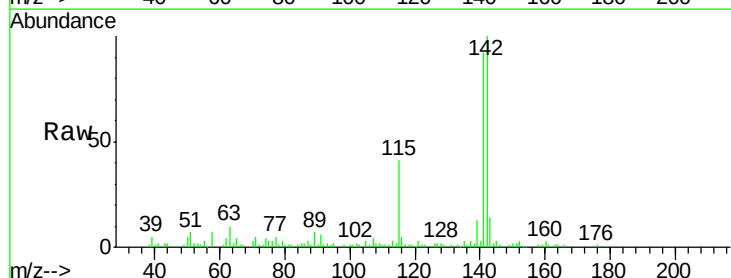
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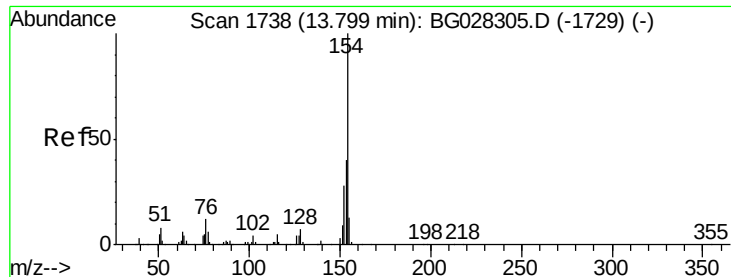
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#34
2-Methylnaphthalene
Concen: 6.282 ng/ul
RT: 12.81 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	65946		
141	91.7		68.6	102.8





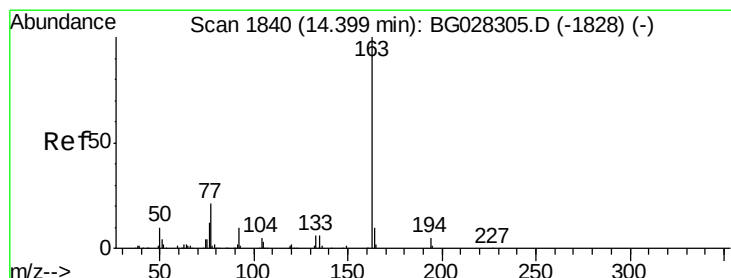
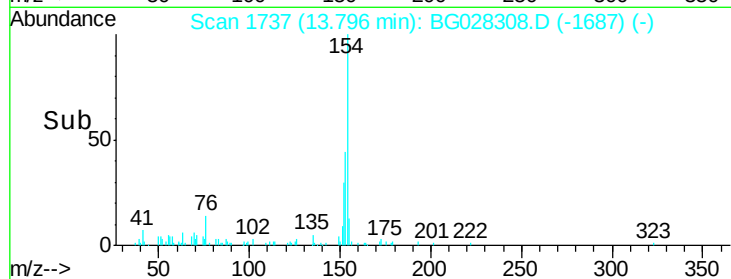
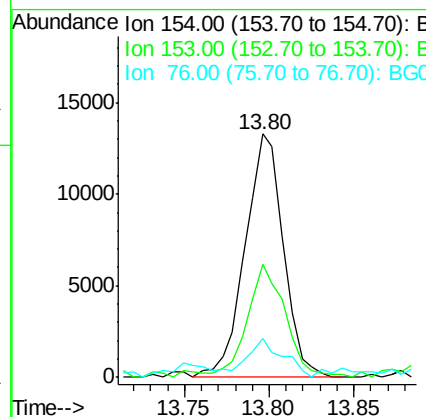
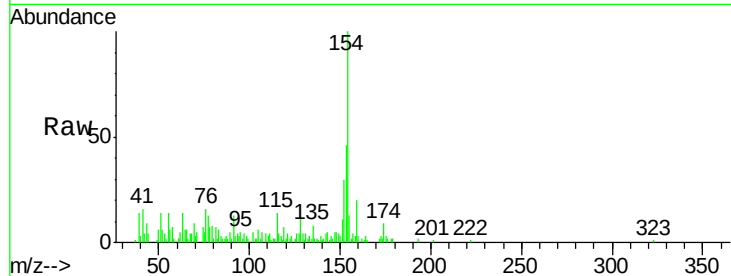
#40
1,1'-Biphenyl
Concen: 1.629 ng/ul
RT: 13.80 min Scan# 1737
Delta R.T. -0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Instrument :
BNA_G
ClientSampleId :
C0AA5

Tgt Ion:	154	Resp:	20931
Ion Ratio	Lower	Upper	
154	100		
153	46.3	32.2	48.2
76	15.8	9.6	14.4

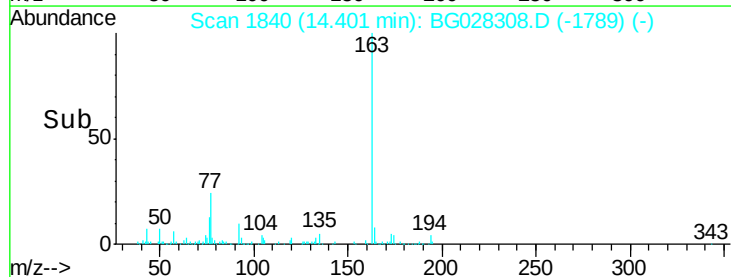
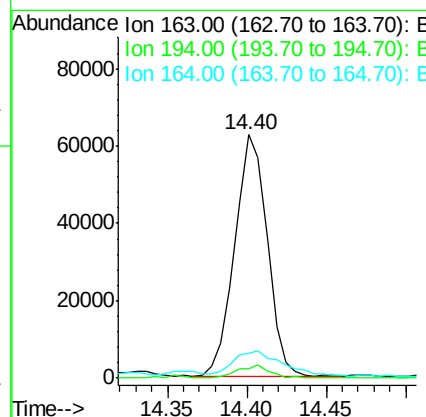
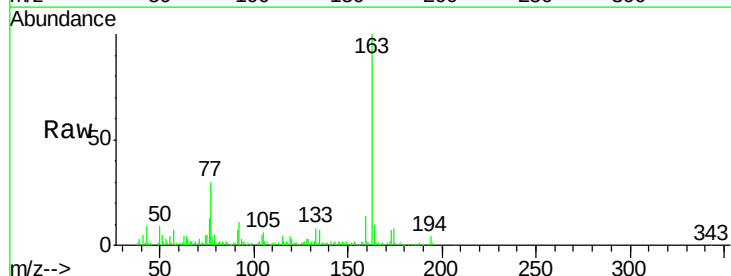
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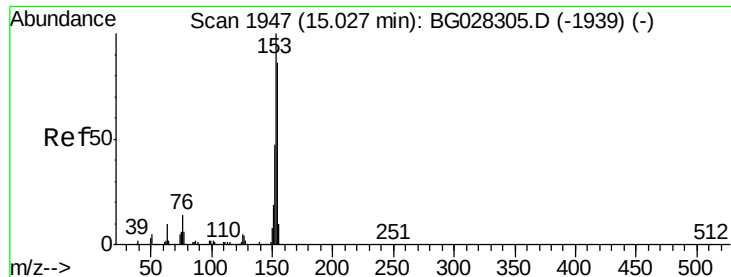
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#44
Dimethylphthalate
Concen: 6.202 ng/ul
RT: 14.40 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Tgt Ion:	163	Resp:	89364
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.4	5.0
164	10.2	9.0	13.4





#49

Acenaphthene

Concen: 1.567 ng/ul

RT: 15.03 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Instrument :

BNA_G

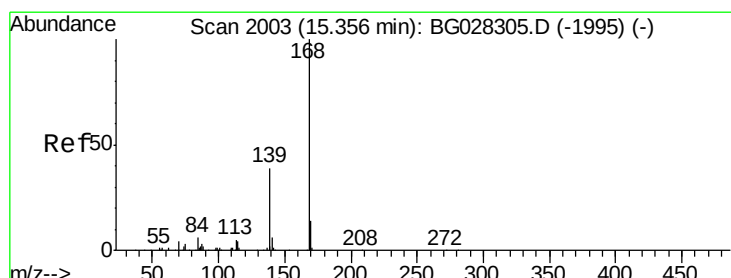
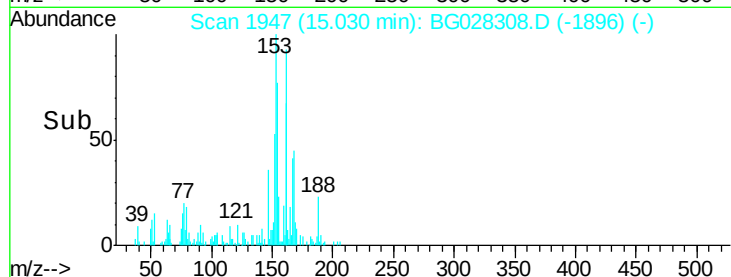
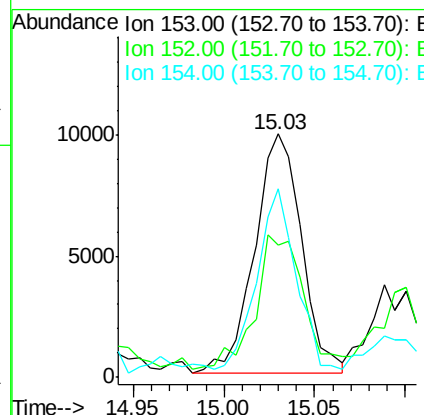
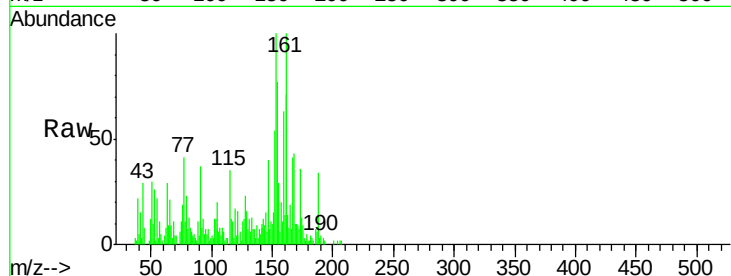
ClientSampleId :

C0AA5

Tgt Ion:	153	Resp:	17828
Ion Ratio	Lower	Upper	
153	100		
152	54.4	36.5	54.7
154	77.4	72.3	108.5

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#53

Dibenzofuran

Concen: 3.267 ng/ul

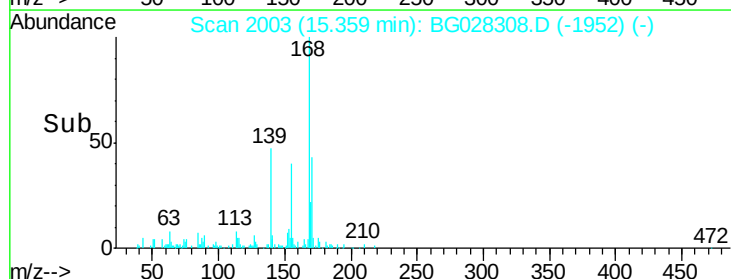
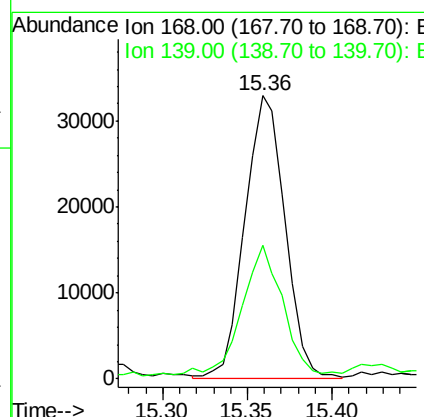
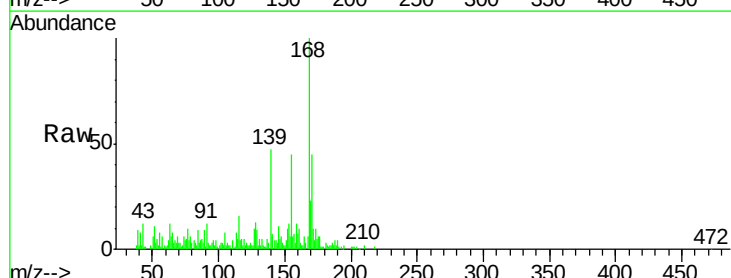
RT: 15.36 min Scan# 2003

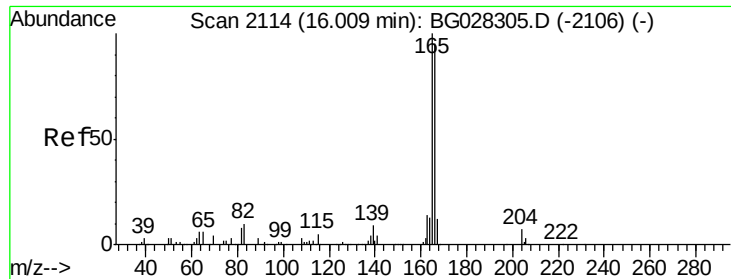
Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Tgt Ion:	168	Resp:	54198
Ion Ratio	Lower	Upper	
168	100		
139	47.1	33.8	50.8





#58

Fluorene

Concen: 5.732 ng/ul

RT: 16.01 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Instrument :

BNA_G

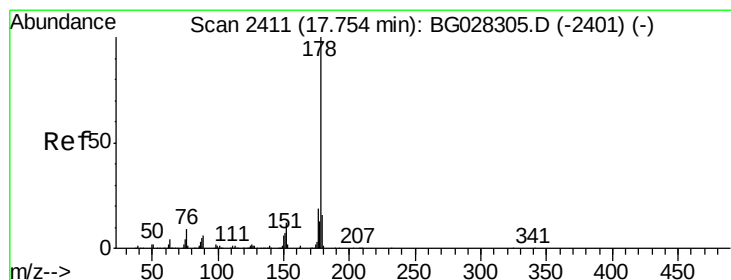
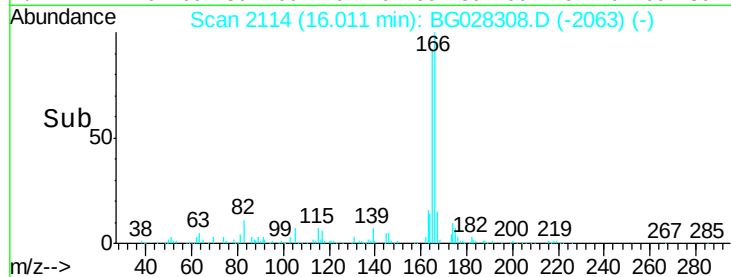
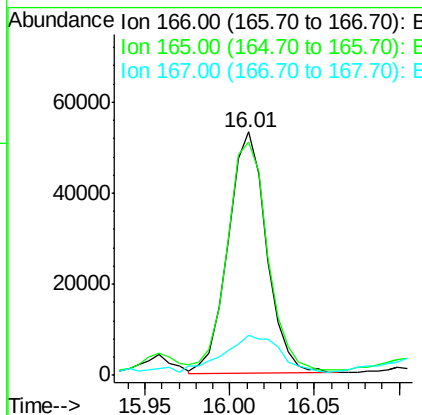
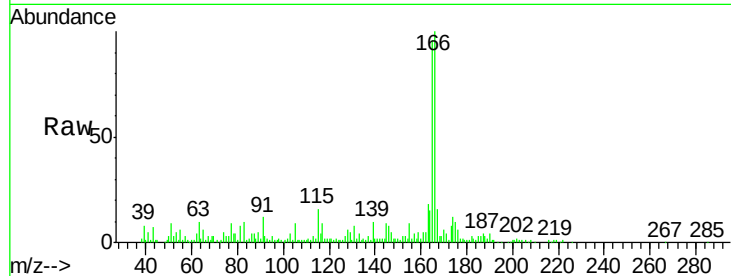
ClientSampleId :

C0AA5

Tgt Ion:	166	Resp:	84176
Ion Ratio	Lower	Upper	
166	100		
165	95.9	79.7	119.5
167	16.3	11.4	17.2

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#69

Phenanthrene

Concen: 9.877 ng/ul

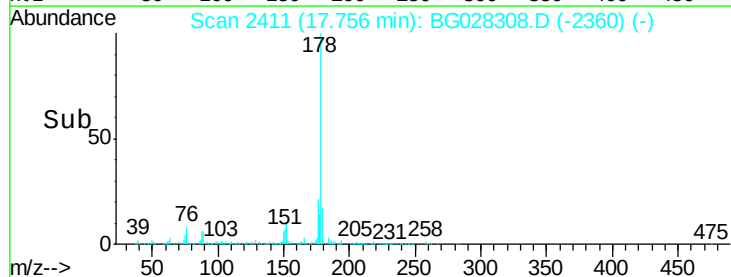
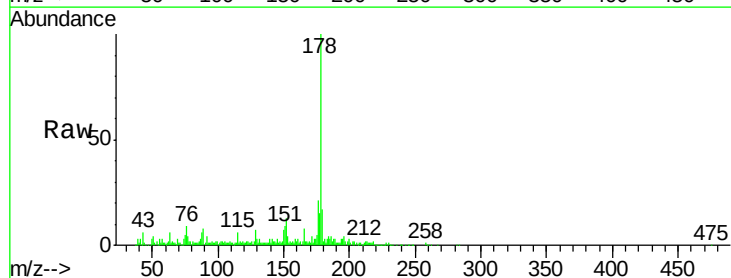
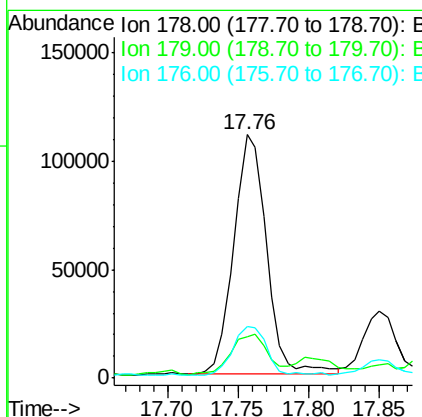
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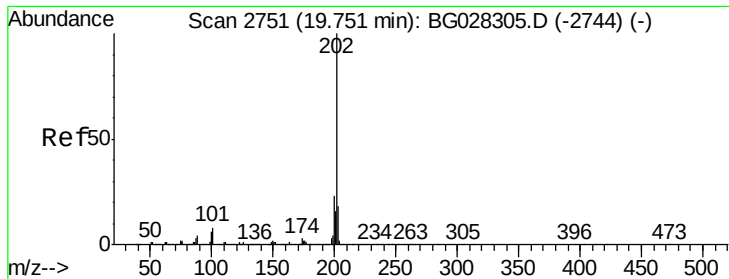
Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Tgt Ion:	178	Resp:	181021
Ion Ratio	Lower	Upper	
178	100		
179	17.2	12.4	18.6
176	21.0	16.5	24.7





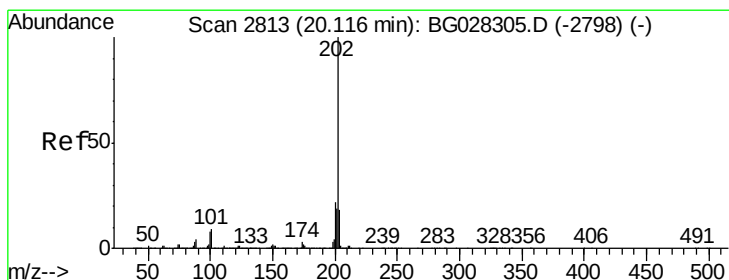
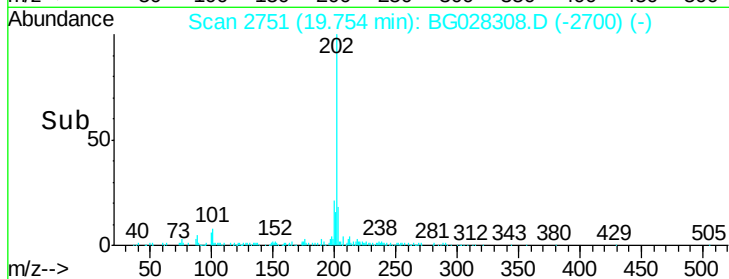
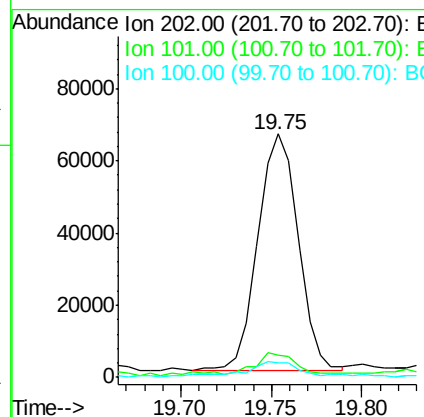
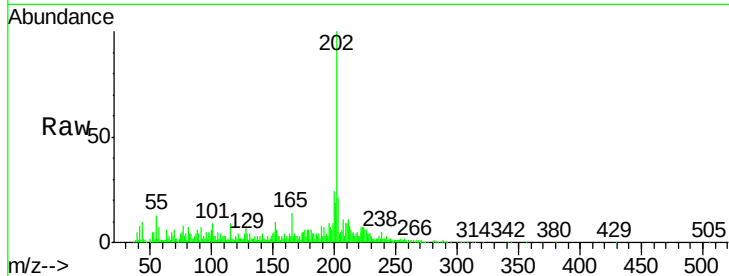
#74
Fluoranthene
Concen: 4.554 ng/ul
RT: 19.75 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Instrument :
BNA_G
ClientSampleId :
C0AA5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.3	6.2	9.2#
100	6.2	5.2	7.8

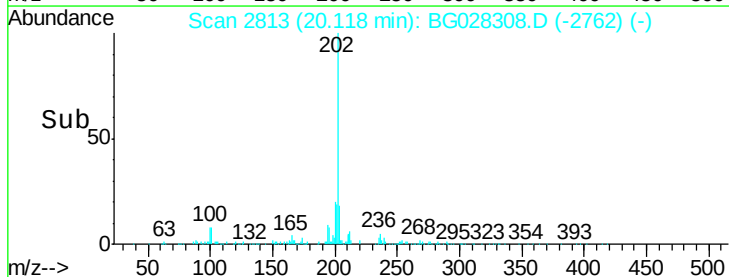
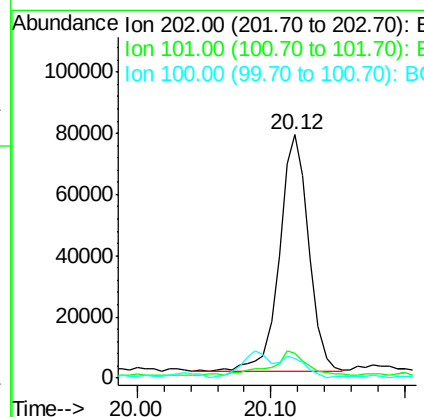
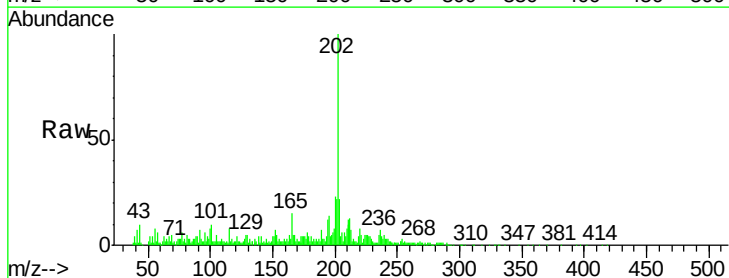
Manual Integrations
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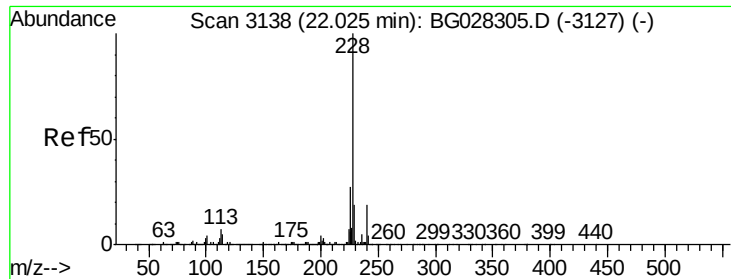
sohil
8/14/2017 6:59:42 PM



#77
Pyrene
Concen: 4.700 ng/ul
RT: 20.12 min Scan# 2813
Delta R.T. 0.00 min
Lab File: BG028308.D
Acq: 12 Aug 2017 3:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.0	6.9	10.3
100	7.9	6.6	10.0





#80

Benzo(a)anthracene

Concen: 1.910 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Instrument :

BNA_G

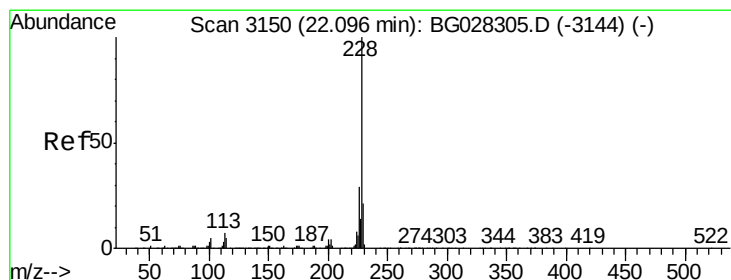
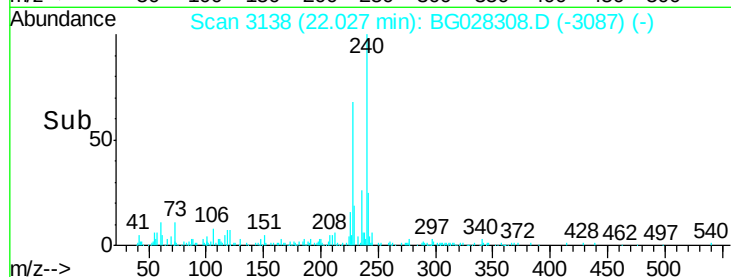
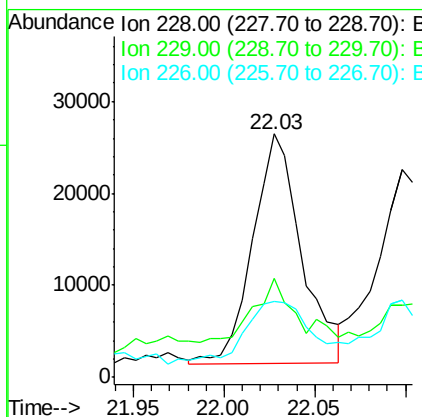
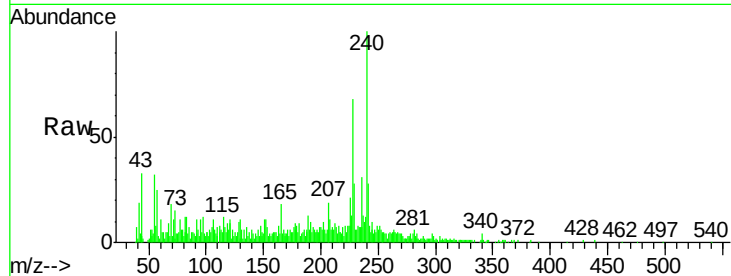
ClientSampleId :

C0AA5

Tgt Ion:	228	Resp:	46534
Ion Ratio	Lower	Upper	
228	100		
229	40.8	16.3	24.5#
226	31.4	21.9	32.9

Manual Integrations
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#82

Chrysene

Concen: 1.931 ng/ul

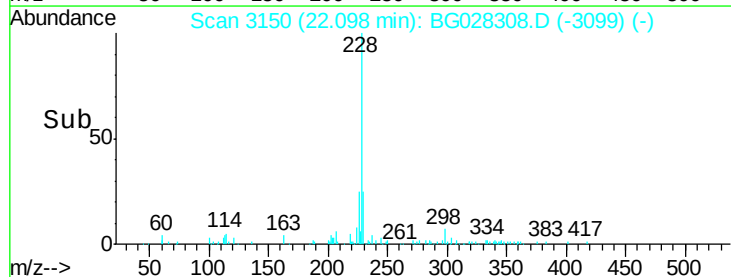
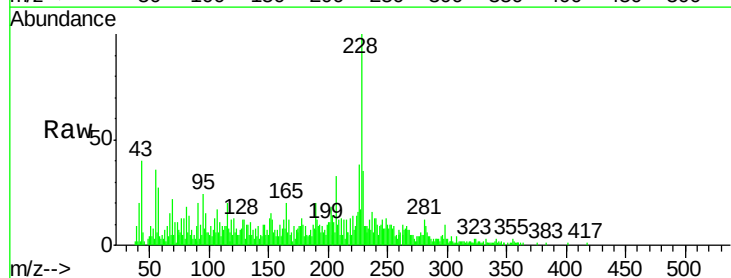
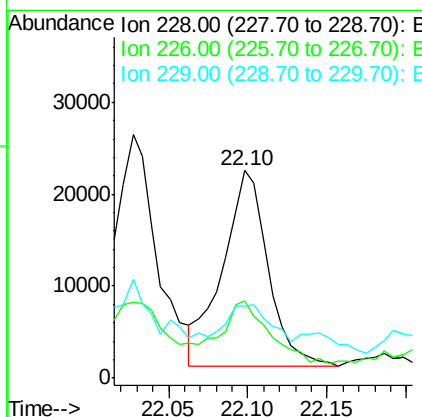
RT: 22.10 min Scan# 3150

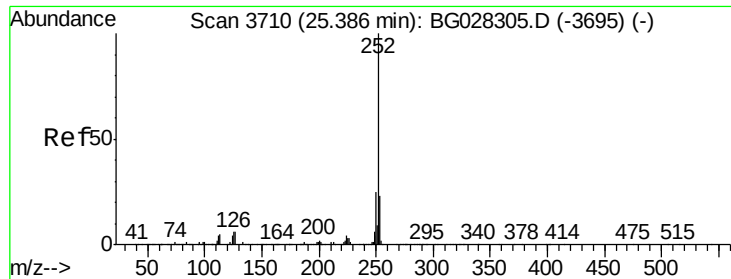
Delta R.T. 0.00 min

Lab File: BG028308.D

Acq: 12 Aug 2017 3:32

Tgt Ion:	228	Resp:	42360
Ion Ratio	Lower	Upper	
228	100		
226	37.6	24.0	36.0#
229	34.9	16.9	25.3#





#88

Benzo(a)pyrene

Concen: 1.293 ng/ul

RT: 25.41 min Scan# 3713

Delta R.T. 0.02 min

Lab File: BG028308.D

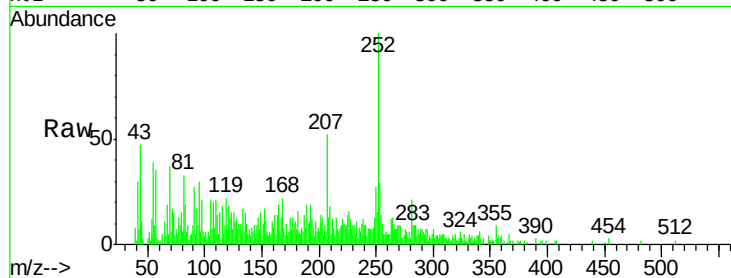
Acq: 12 Aug 2017 3:32

Instrument :

BNA_G

ClientSampleId :

C0AA5



Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.8	26.6#
125	14.7	5.4	8.0#

Manual Integrations
APPROVED

sohil
8/14/2017 6:59:42 PM

