

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
 Data File : BG021896.D
 Acq On : 15 May 2016 16:54
 Operator : UM/SJ
 Sample : H3096-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG3

Manual Integrations
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Quant Time: May 16 14:36:40 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	60817	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	310856	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	187901	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	395090	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	387134	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	386898	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3278	2.60	ng/uL	0.00
5) Phenol-d5	7.31	99	86115	19.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	43434	19.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	83485	23.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	62134	16.39	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	44643	21.84	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	50460	39.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	91698	25.12	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	64006m	16.28	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	307878	23.33	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	415784	22.19	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	35025m	15.48	ng/ul	0.00
58) Fluorene-d10	15.78	176	294904	21.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	37045	33.85	ng/ul	0.00
71) Anthracene-d10	17.63	188	413153	21.48	ng/ul	0.00
77) Pyrene-d10	19.91	212	437747	24.16	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	410042	22.31	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	14.23	163	114748	8.54	ng/ul	99
69) Pentachlorophenol	17.18	266	4077m	2.24	ng/ul	
70) Phenanthrene	17.58	178	96379	4.46	ng/ul	97
74) Di-n-butylphthalate	18.48	149	34297	1.98	ng/ul#	96
75) Fluoranthene	19.57	202	223351	9.10	ng/ul	95
78) Pyrene	19.94	202	203787m	9.10	ng/ul	
79) Butylbenzylphthalate	20.81	149	11521m	2.33	ng/ul	
81) Benzo(a)anthracene	21.80	228	136906	6.35	ng/ul	98
82) Bis(2-ethylhexyl)phthalate	21.68	149	83836	10.37	ng/ul	93
83) Chrysene	21.87	228	151149	7.09	ng/ul	95
86) Benzo(b)fluoranthene	24.09	252	262980	11.87	ng/ul#	95
87) Benzo(k)fluoranthene	24.15	252	79658m	3.36	ng/ul	
89) Benzo(a)pyrene	25.00	252	159107	7.22	ng/ul#	92
90) Indeno(1,2,3-cd)pyrene	28.97	276	135257	5.18	ng/ul#	92
91) Dibenzo(a,h)anthracene	29.02	278	40422m	1.86	ng/ul	
92) Benzo(g,h,i)perylene	30.18	276	127546	5.91	ng/ul#	92

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

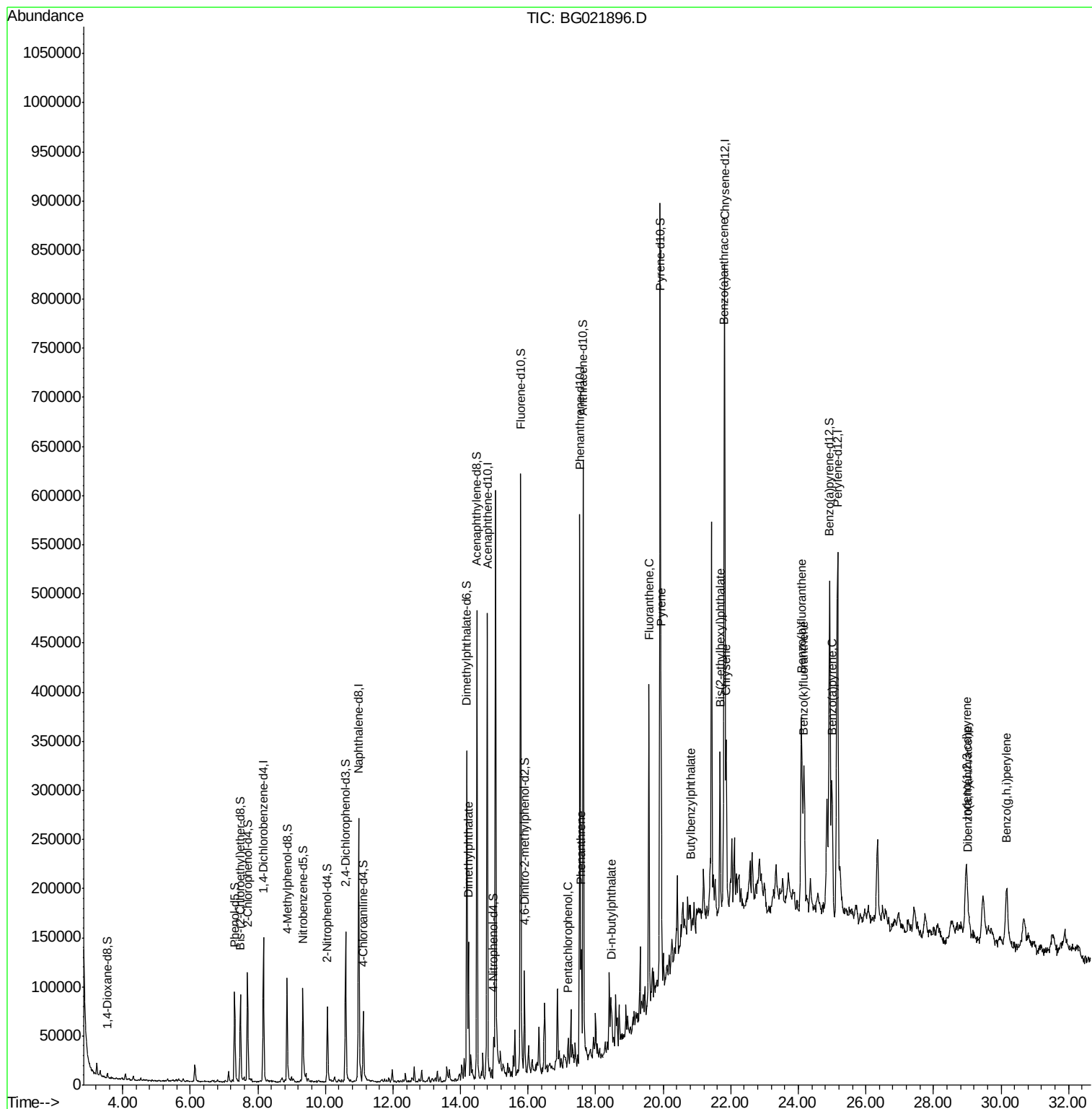
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021896.D
Acq On : 15 May 2016 16:54
Operator : UM/SJ
Sample : H3096-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

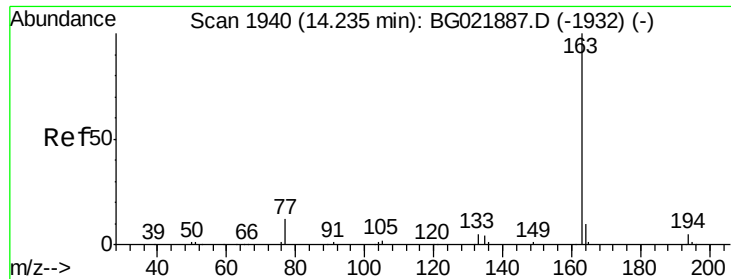
Instrument :
BNA_G
ClientSampleId :
D9XG3

Manual Integrations
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Quant Time: May 16 14:36:40 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





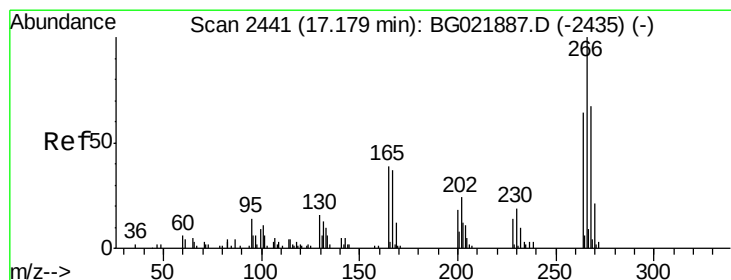
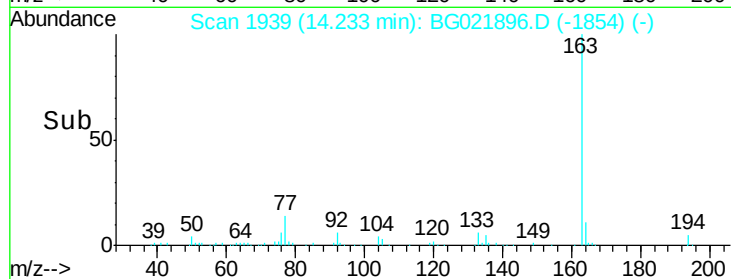
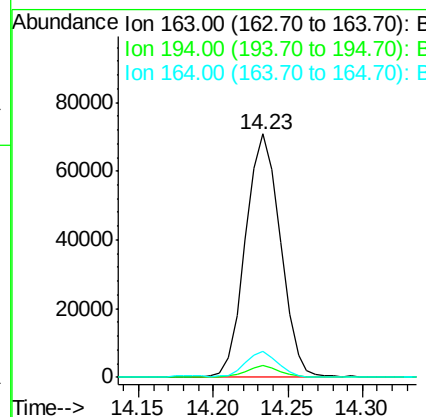
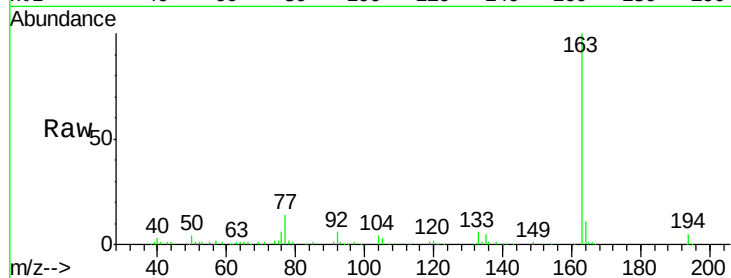
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Dimethylphthalate
Concen: 8.54 ng/ul
RT: 14.23 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Instrument :
BNA_G
ClientSampleId :
D9XG3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	114748		
194	5.0	3.9	5.9	
164	10.6	8.7	13.1	

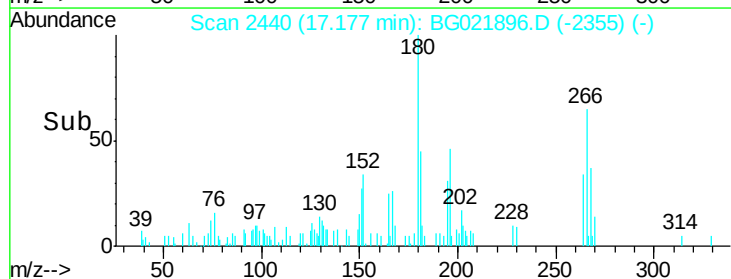
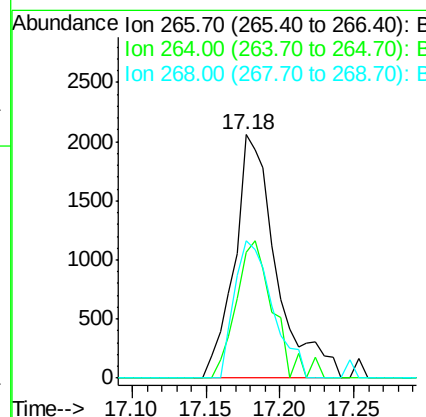
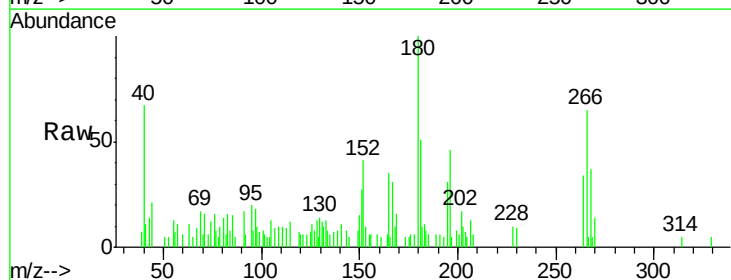
Manual Integrations
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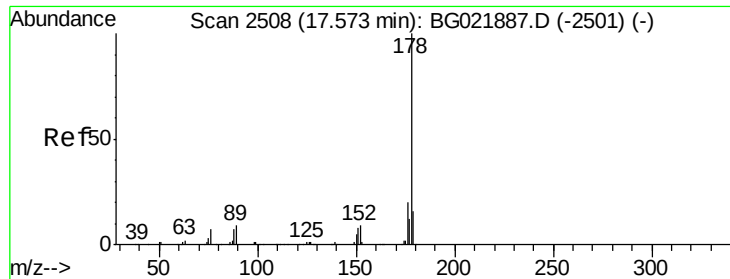
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#69
Pentachlorophenol
Concen: 2.24 ng/ul m
RT: 17.18 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	4077		
264	51.5	56.7	85.1#	
268	56.4	50.6	76.0	





#70

Phenanthrene

Concen: 4.46 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG021896.D

Acq: 15 May 2016 16:54

Instrument :

BNA_G

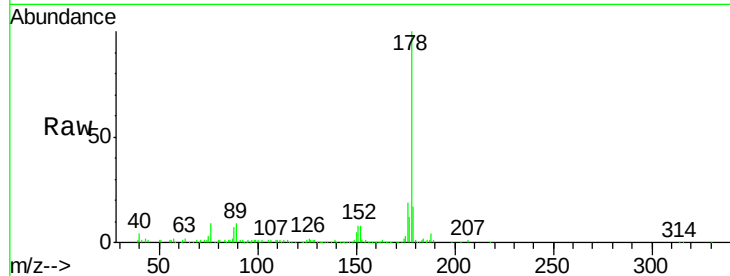
ClientSampleId :

D9XG3

Tgt Ion:	178	Resp:	96379
Ion Ratio	Lower	Upper	
178	100		
179	16.9	11.8	17.8
176	19.1	14.8	22.2

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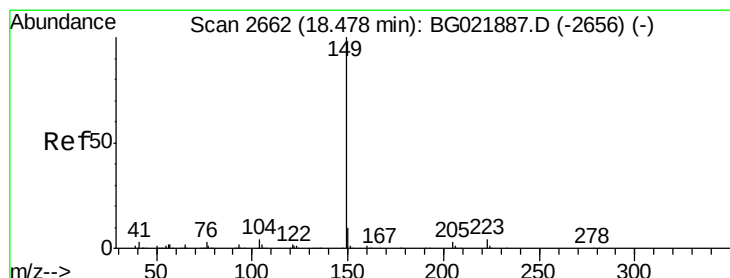
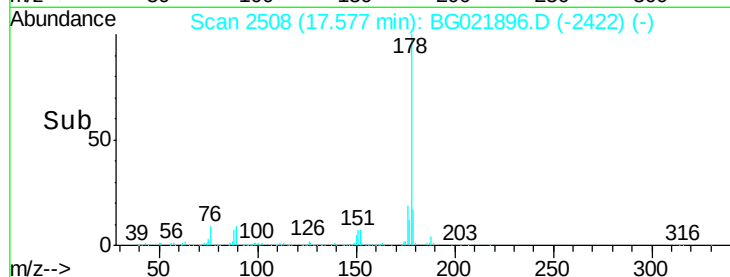
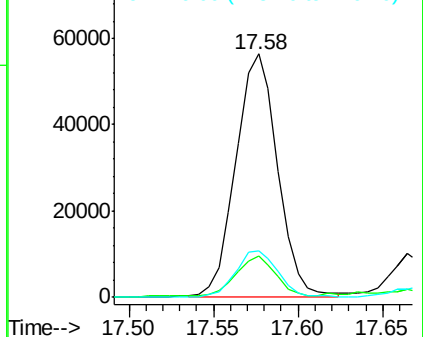
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Di-n-butylphthalate

Concen: 1.98 ng/ul

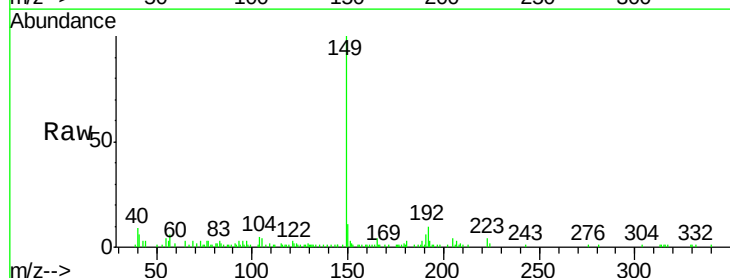
RT: 18.48 min Scan# 2661

Delta R.T. -0.00 min

Lab File: BG021896.D

Acq: 15 May 2016 16:54

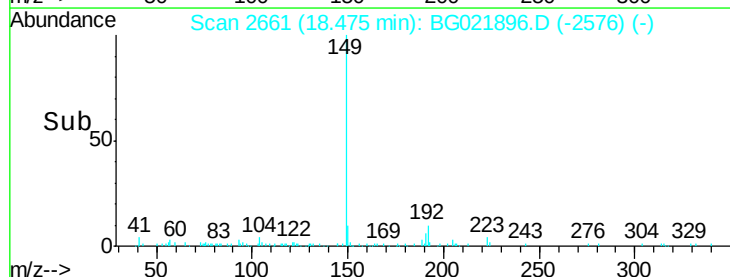
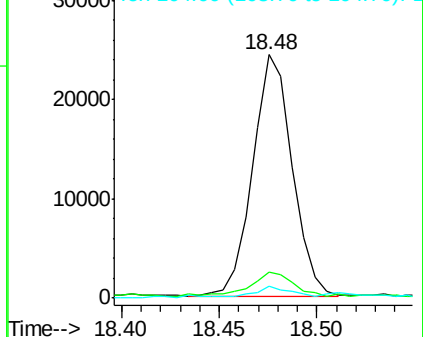
Tgt Ion:	149	Resp:	34297
Ion Ratio	Lower	Upper	
149	100		
150	10.6	7.5	11.3
104	4.8	5.4	8.2#

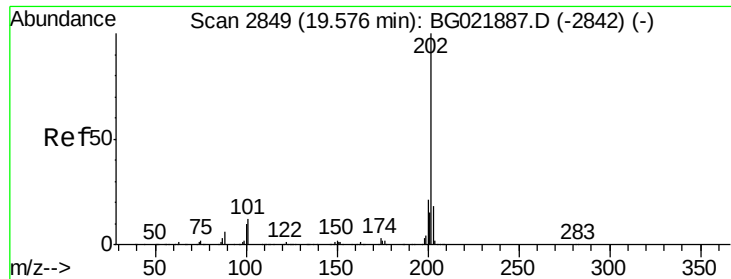


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.10 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG021896.D

Acq: 15 May 2016 16:54

Instrument :

BNA_G

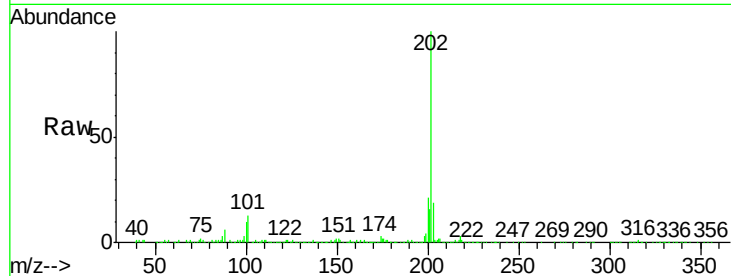
ClientSampleId :

D9XG3

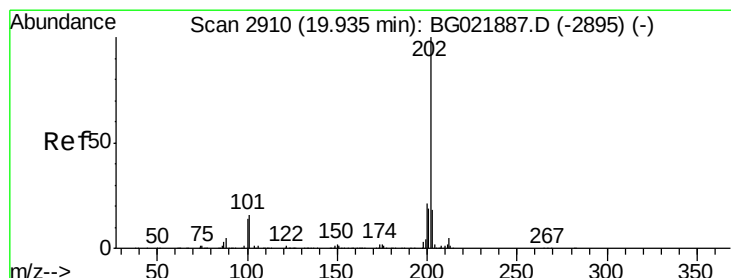
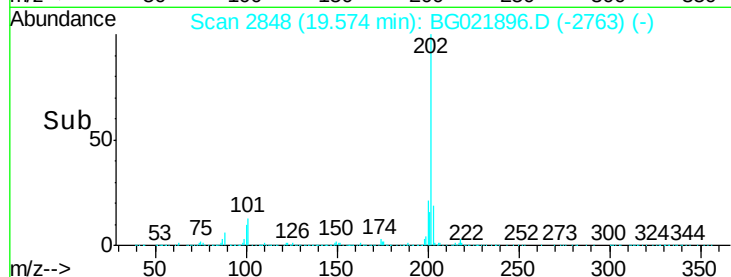
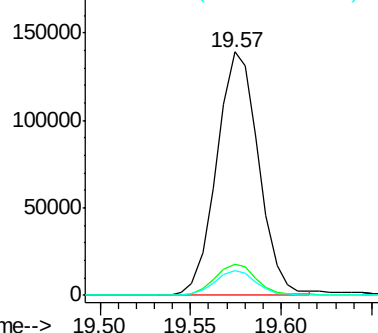
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		223351		
101	13.0	8.9	13.3		
100	10.3	7.0	10.4		

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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



#78

Pyrene

Concen: 9.10 ng/ul m

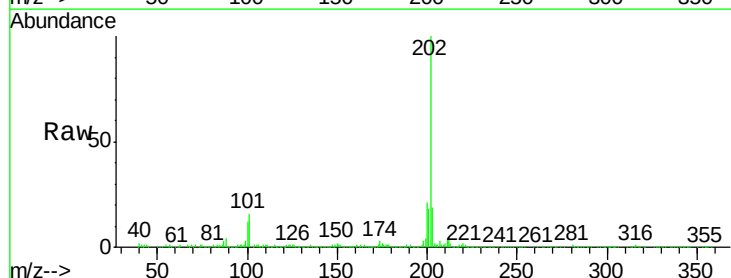
RT: 19.94 min Scan# 2910

Delta R.T. 0.00 min

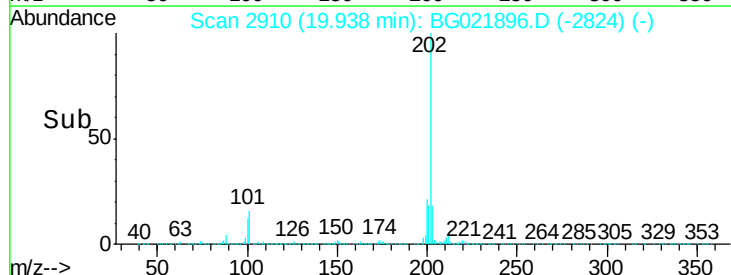
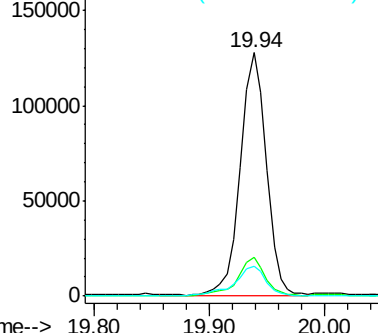
Lab File: BG021896.D

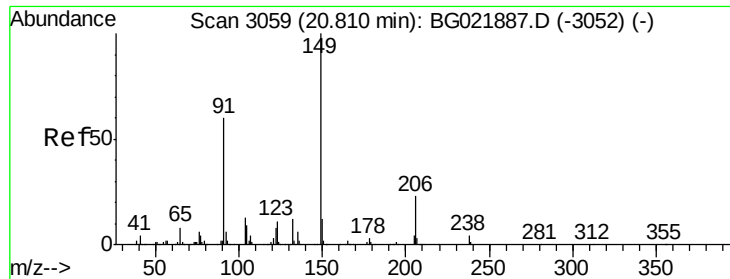
Acq: 15 May 2016 16:54

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		203787		
101	16.0	9.8	14.8#		
100	12.2	9.3	13.9		



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





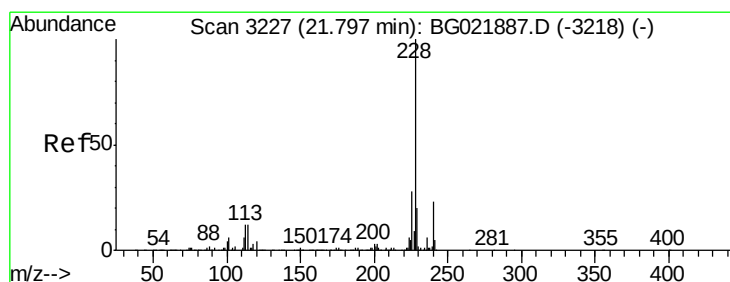
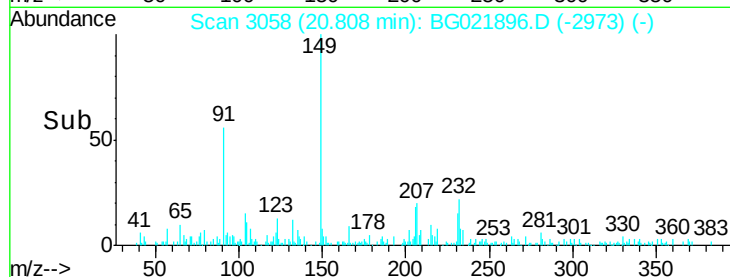
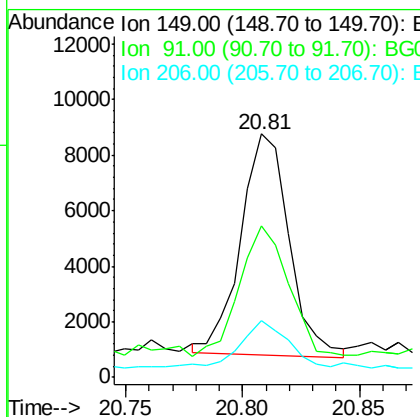
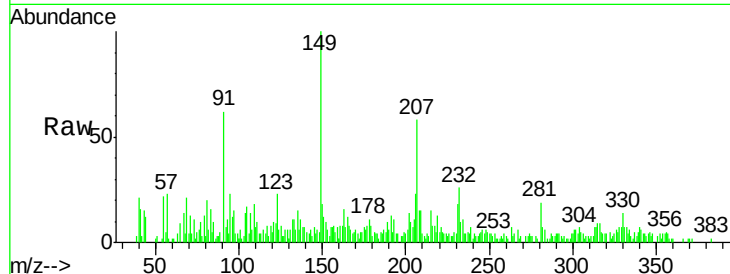
#79
Butylbenzylphthalate
Concen: 2.33 ng/ul m
RT: 20.81 min Scan# 3058
Delta R.T. -0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Instrument :
BNA_G
ClientSampled :
D9XG3

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	11521		
91	62.1	65.8	98.8#	
206	23.5	15.5	23.3#	

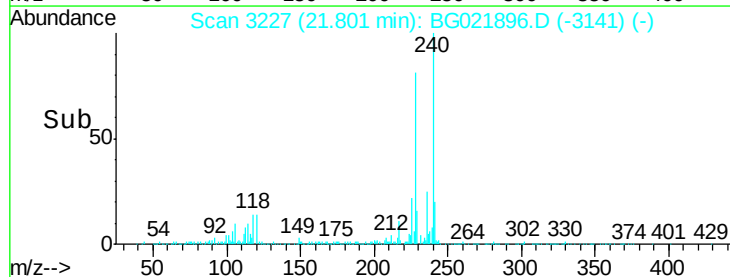
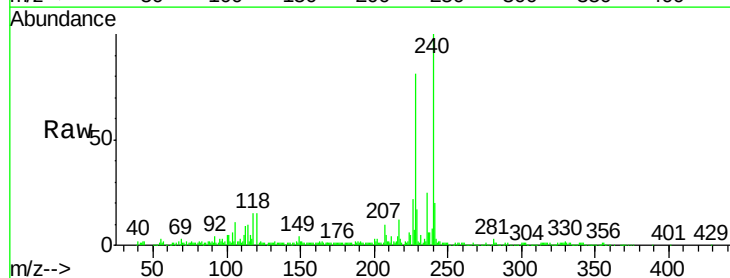
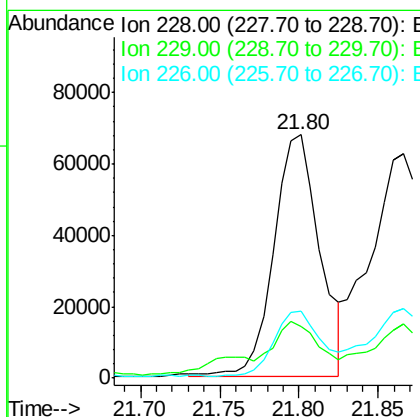
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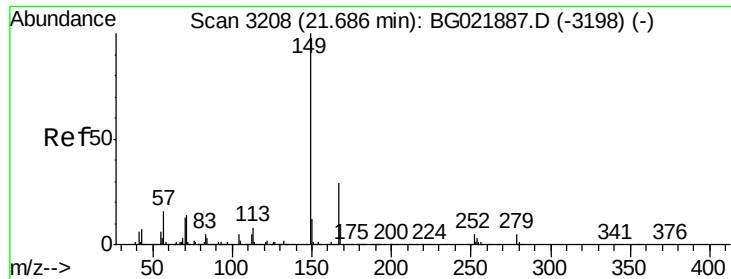
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#81
Benzo(a)anthracene
Concen: 6.35 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	136906		
229	21.4	16.6	25.0	
226	27.5	21.0	31.4	





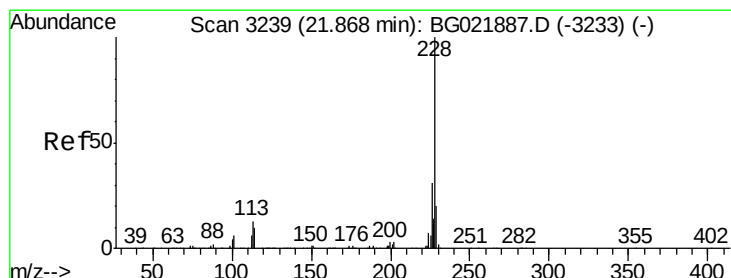
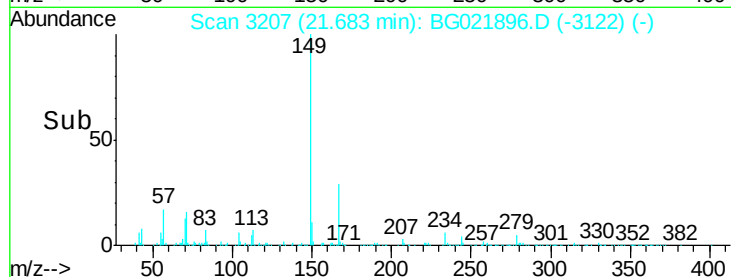
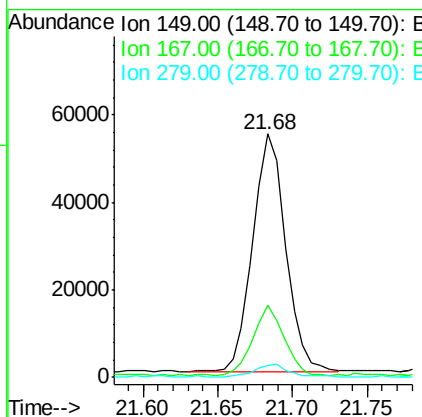
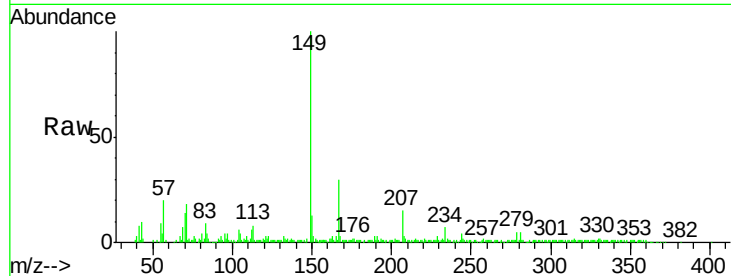
#82
 Bis(2-ethylhexyl)phthalate
 Concen: 10.37 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: BG021896.D
 Acq: 15 May 2016 16:54

Instrument :
 BNA_G
 ClientSampleId :
 D9XG3

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	29.6	20.5	30.7
279	5.1	3.7	5.5

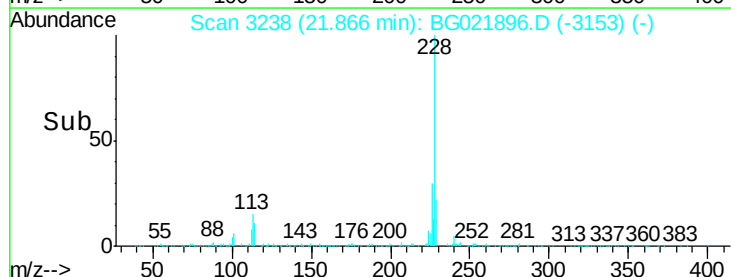
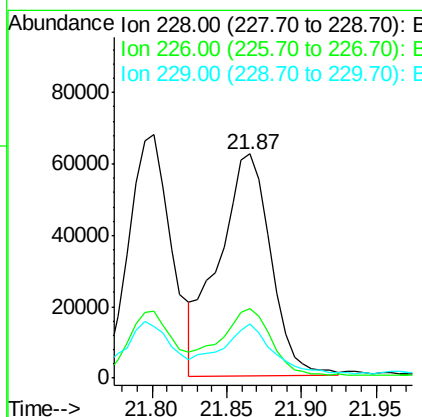
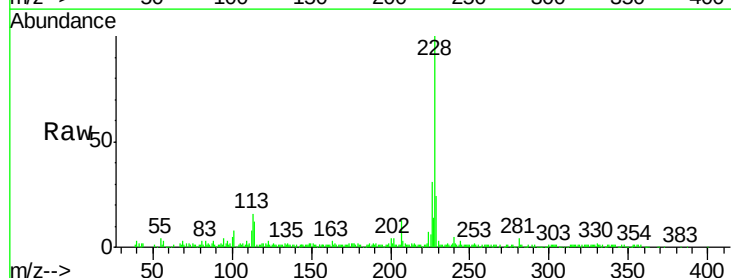
Manual Integrations
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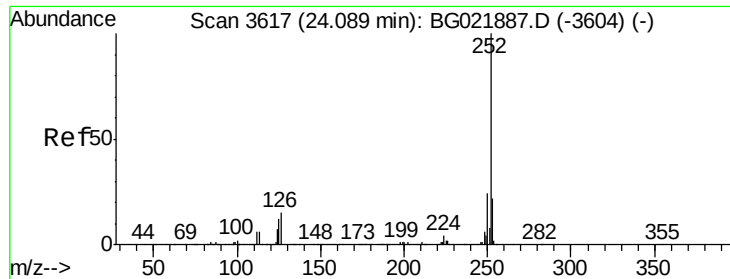
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#83
 Chrysene
 Concen: 7.09 ng/ul
 RT: 21.87 min Scan# 3238
 Delta R.T. -0.00 min
 Lab File: BG021896.D
 Acq: 15 May 2016 16:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.0	23.4	35.2
229	24.0	16.2	24.2





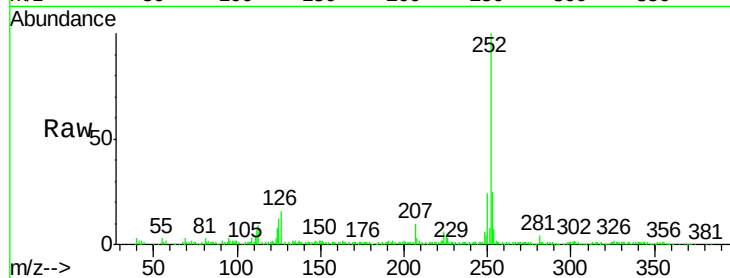
#86
Benzo(b)fluoranthene
Concen: 11.87 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Instrument :
BNA_G
ClientSampleId :
D9XG3

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.6	18.1	27.1
125	12.4	7.6	11.4

Manual Integrations
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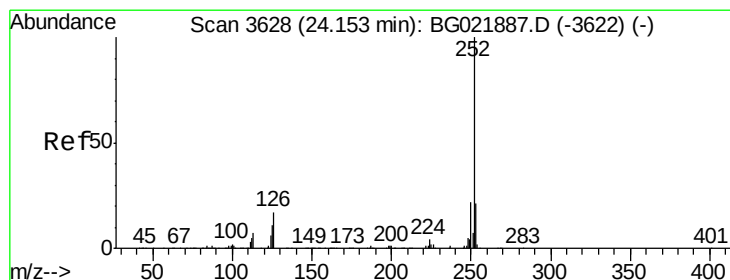
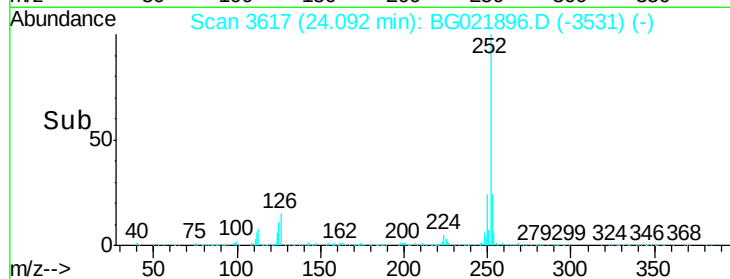
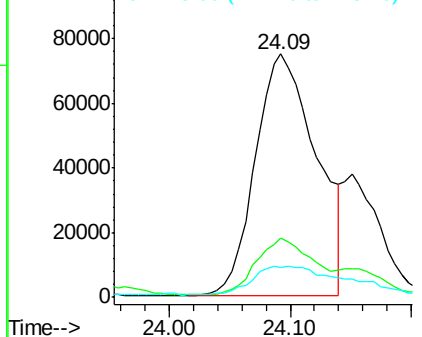


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#87
Benzo(k)fluoranthene
Concen: 3.36 ng/ul m
RT: 24.15 min Scan# 3627
Delta R.T. -0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

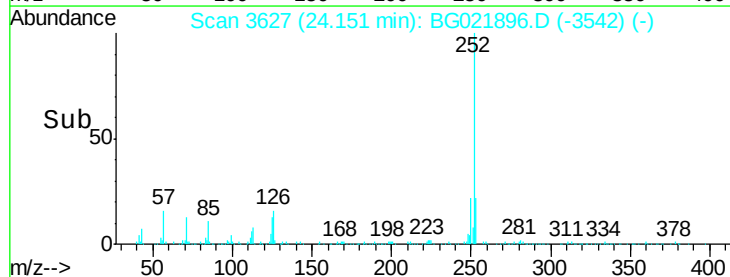
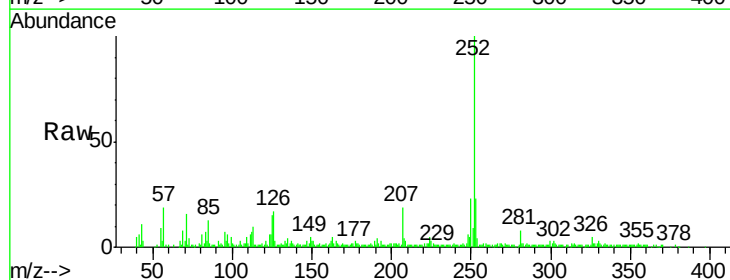
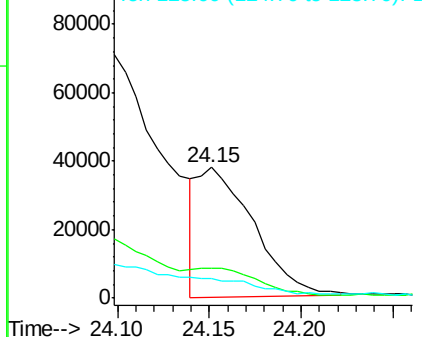
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	17.8	26.8
125	15.3	7.7	11.5

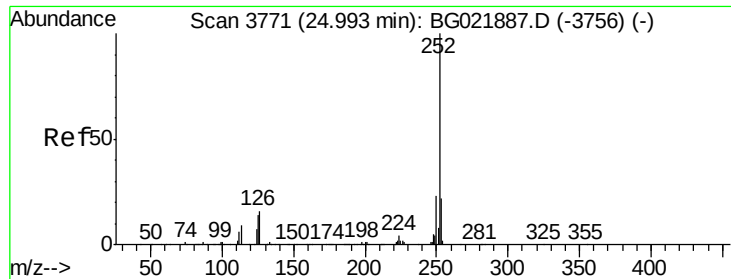
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





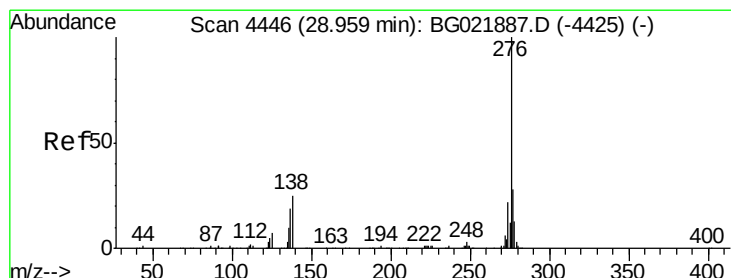
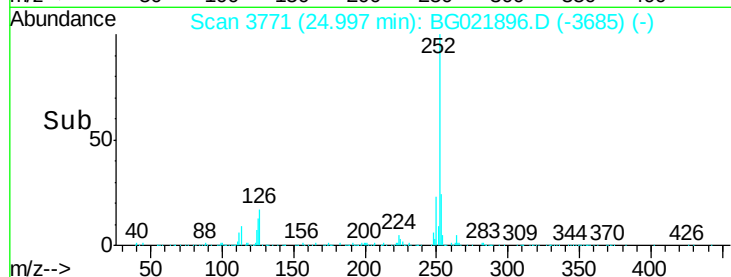
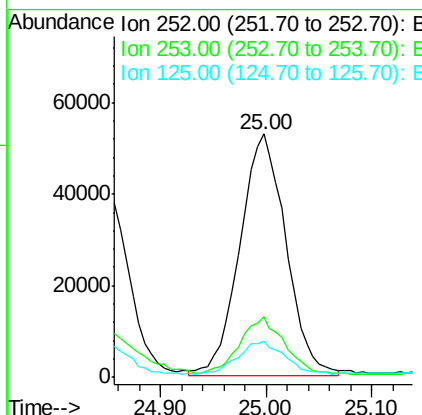
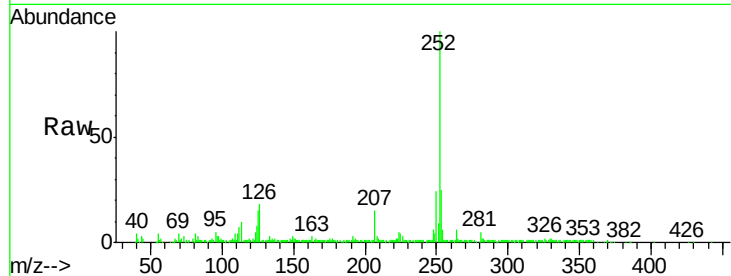
#89
Benzo(a)pyrene
Concen: 7.22 ng/ul
RT: 25.00 min Scan# 3771
Delta R.T. 0.00 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Instrument :
BNA_G
ClientSampleId :
D9XG3

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	17.4	26.0
125	14.9	8.2	12.2

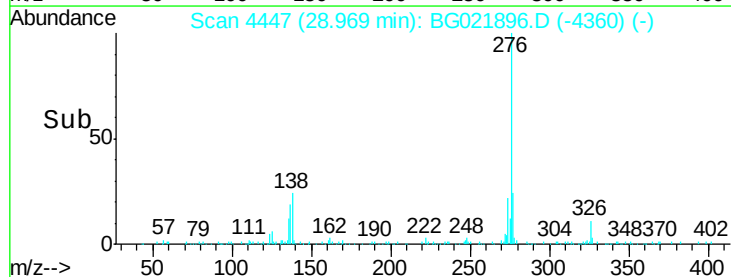
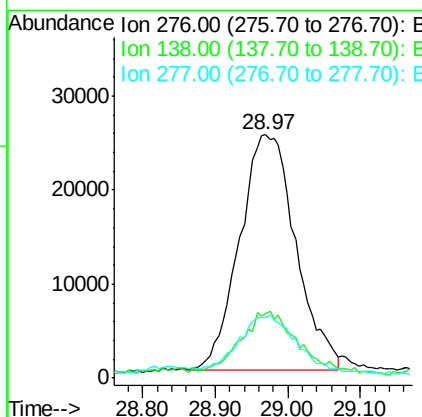
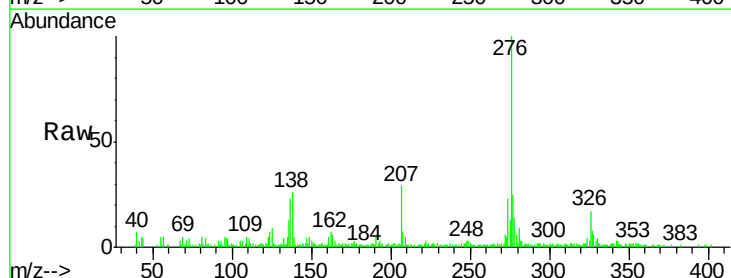
Manual Integrations
APPROVED

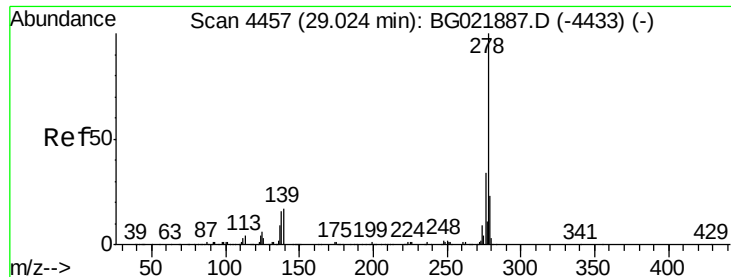
sohil
5/16/2016 7:04:07 PM



#90
Indeno(1,2,3-cd)pyrene
Concen: 5.18 ng/ul
RT: 28.97 min Scan# 4447
Delta R.T. 0.01 min
Lab File: BG021896.D
Acq: 15 May 2016 16:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.4	15.8	23.6
277	24.7	19.0	28.6





#91

Dibenzo(a,h)anthracene

Concen: 1.86 ng/ul

RT: 29.02 min Scan# 4456

Delta R.T. -0.00 min

Lab File: BG021896.D

Acq: 15 May 2016 16:54

Instrument :

BNA_G

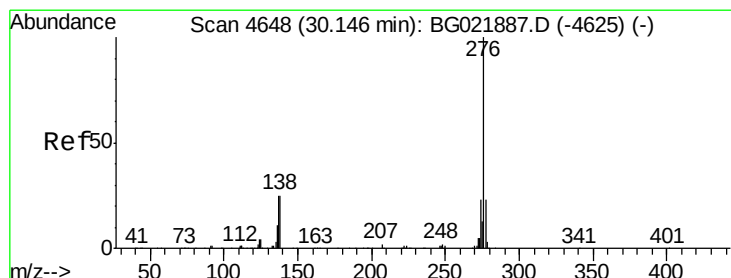
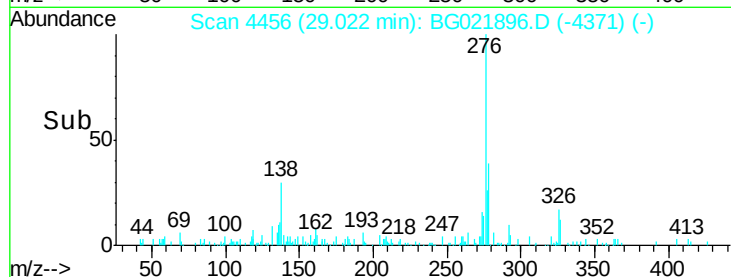
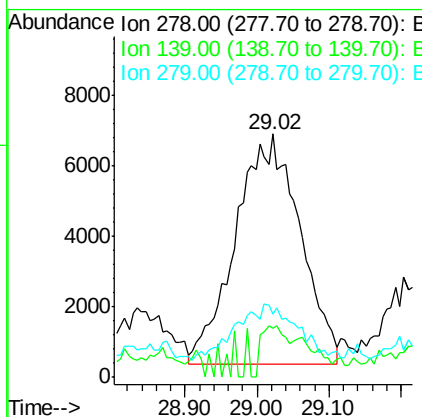
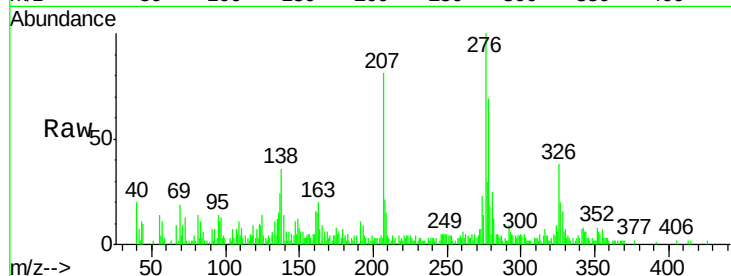
ClientSampleId :

D9XG3

Tgt Ion:	278	Resp:	40422
Ion Ratio	Lower	Upper	
278	100		
139	20.0	12.1	18.1#
279	25.8	19.8	29.8

Manual Integrations
APPROVED

sohil
5/16/2016 7:04:07 PM



#92

Benzo(g,h,i)perylene

Concen: 5.91 ng/ul

RT: 30.18 min Scan# 4653

Delta R.T. 0.03 min

Lab File: BG021896.D

Acq: 15 May 2016 16:54

Tgt Ion:	276	Resp:	127546
Ion Ratio	Lower	Upper	
276	100		
138	23.7	13.9	20.9#
277	26.1	19.8	29.6

