

Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
 Data File : BG021409.D
 Acq On : 10 Mar 2016 15:36
 Operator : UM/SJ
 Sample : H1616-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P009-SS001-01

Manual Integrations
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 3/11/2016 5:27:44 PM

Quant Time: Mar 11 12:06:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 11 00:30:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	12346	20.00	ng/ul	0.01
18) Naphthalene-d8	10.93	136	66380	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.74	164	42179	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	88239	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	97463	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	91695	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	822	3.12	ng/uL	0.00
5) Phenol-d5	7.30	99	24850	17.78	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.44	67	16512	18.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	17895	18.76	ng/ul	0.01
13) 4-Methylphenol-d8	8.84	113	20428	18.08	ng/ul	0.02
19) Nitrobenzene-d5	9.29	128	10155	18.99	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	11052	18.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	20237	18.96	ng/ul	0.03
29) 4-Chloroaniline-d4	11.07	131	21315	15.23	ng/ul	0.01
44) Dimethylphthalate-d6	14.14	166	69423	19.02	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	88215	19.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	8185	11.86	ng/ul	0.07
58) Fluorene-d10	15.72	176	62200	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.84	200	9567	16.20	ng/ul	0.00
71) Anthracene-d10	17.57	188	88878	20.18	ng/ul	0.00
79) Pyrene-d10	19.85	212	96810	19.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	100873	20.57	ng/ul	0.01

Target Compounds

						Qvalue
28) Naphthalene	10.98	128	19409	5.21	ng/ul	99
34) 2-Methylnaphthalene	12.57	142	4650	1.68	ng/ul	86
45) Dimethylphthalate	14.18	163	26963	6.91	ng/ul	99
50) Acenaphthene	14.80	153	12639	3.99	ng/ul	98
54) Dibenzofuran	15.13	168	6525	1.49	ng/ul#	85
59) Fluorene	15.78	166	10140	2.66	ng/ul#	93
70) Phenanthrene	17.51	178	91394	17.41	ng/ul	96
72) Anthracene	17.60	178	28864	5.40	ng/ul	97
75) Carbazole	17.88	167	11861	2.57	ng/ul	98
77) Fluoranthene	19.52	202	107221	17.69	ng/ul	98
80) Pyrene	19.88	202	99128	15.20	ng/ul	98
83) Benzo(a)anthracene	21.72	228	63429	9.97	ng/ul	96
85) Chrysene	21.79	228	56996	9.68	ng/ul	93
88) Benzo(b)fluoranthene	23.97	252	61666	9.83	ng/ul#	93
89) Benzo(k)fluoranthene	24.03	252	19793	3.24	ng/ul#	91
91) Benzo(a)pyrene	24.85	252	53652	8.71	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	28.72	276	28040m	4.14	ng/ul	
93) Dibenzo(a,h)anthracene	28.77	278	10359m	1.80	ng/ul	
94) Benzo(g,h,i)perylene	29.88	276	26697m	4.78	ng/ul	

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

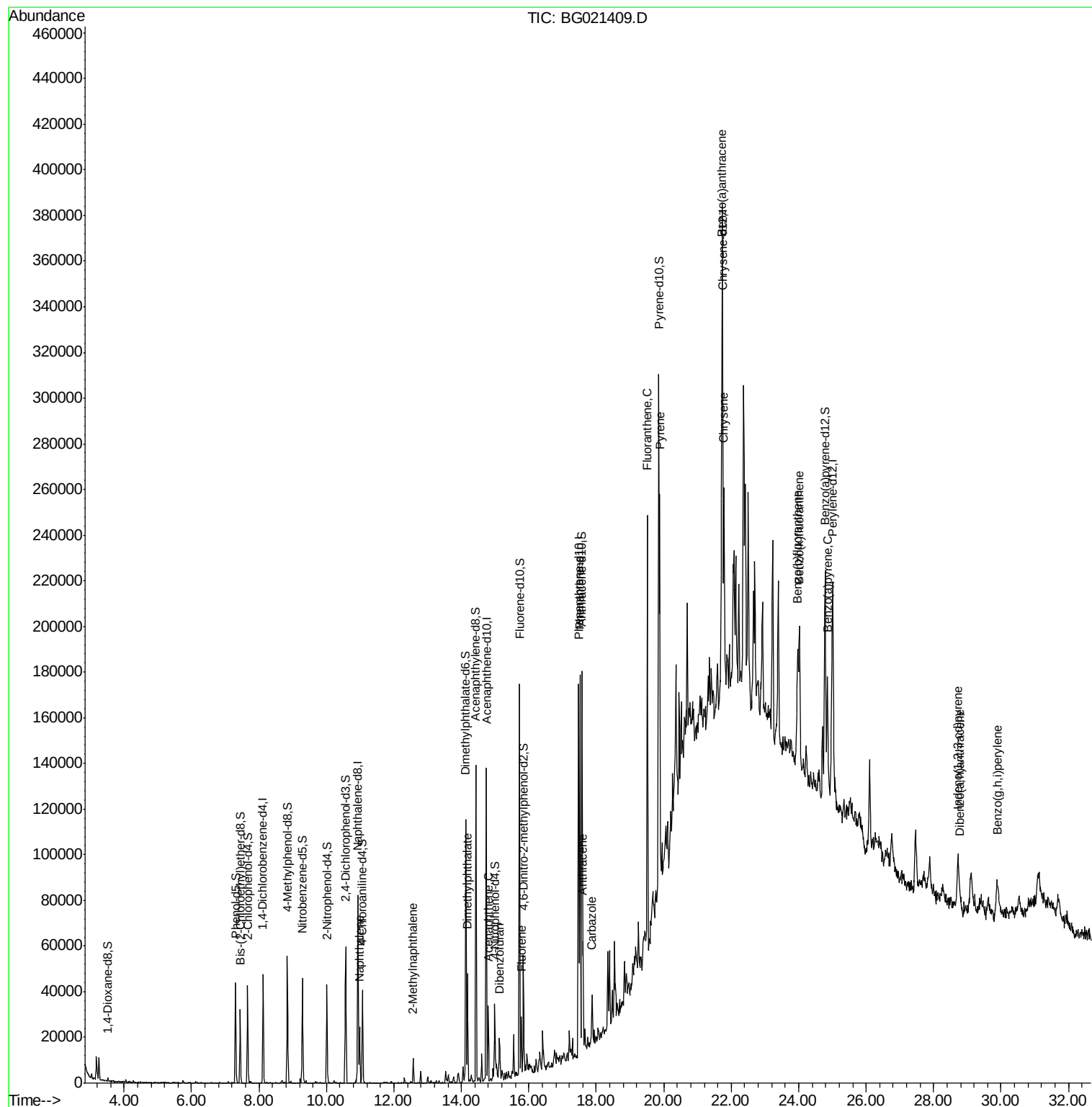
Data Path : S:\HPCHEM1\BNA_G\DATA\BG031016\
 Data File : BG021409.D
 Acq On : 10 Mar 2016 15:36
 Operator : UM/SJ
 Sample : H1616-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

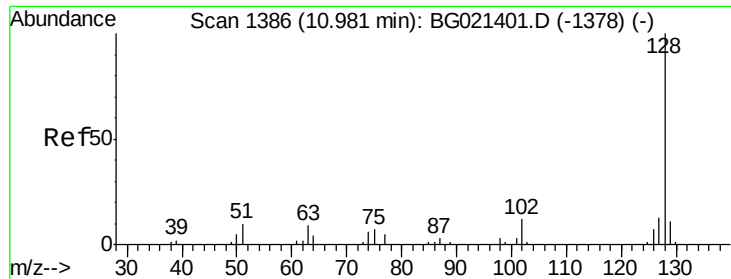
Instrument :
 BNA_G
 ClientSampled :
 P009-SS001-01

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Quant Time: Mar 11 12:06:26 2016
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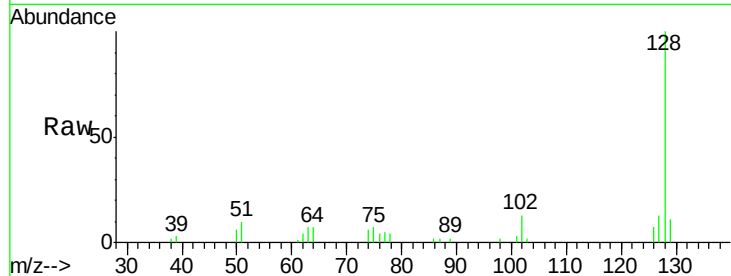
#28
Naphthalene
Concen: 5.21 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. -0.00 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Instrument :
BNA_G
ClientSampleId :
P009-SS001-01

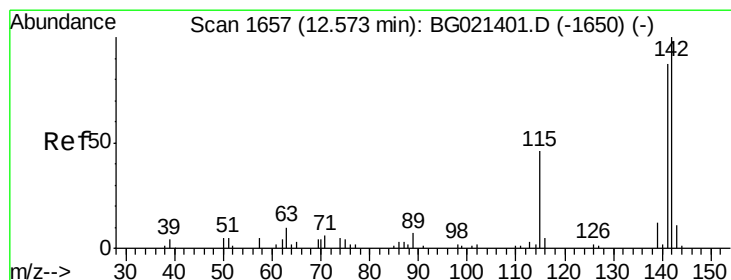
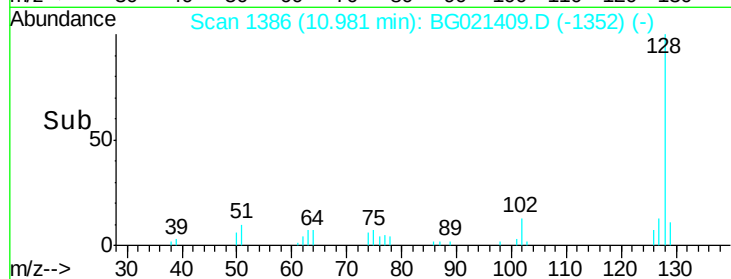
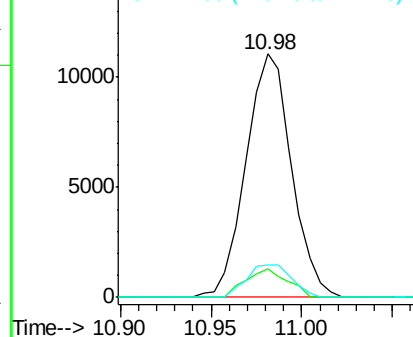
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.3	12.5
127	13.4	10.8	16.2

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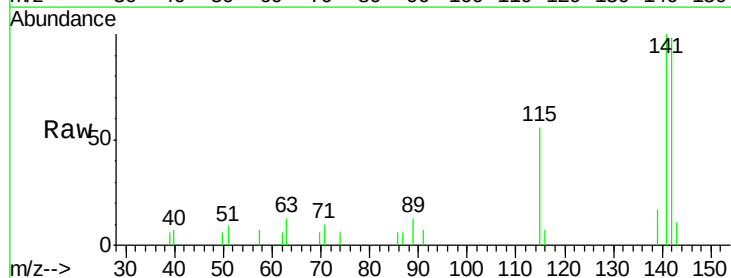


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

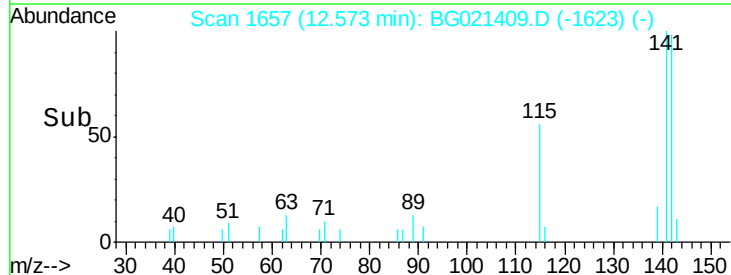
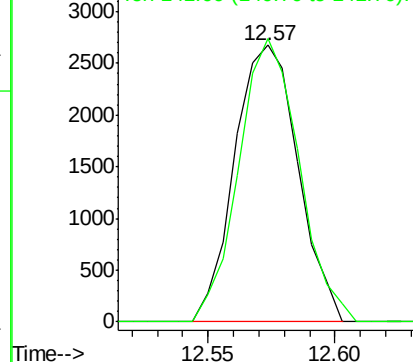


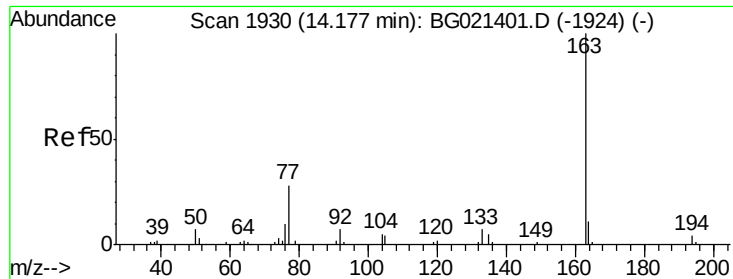
#34
2-Methylnaphthalene
Concen: 1.68 ng/ul
RT: 12.57 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.4	71.3	106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





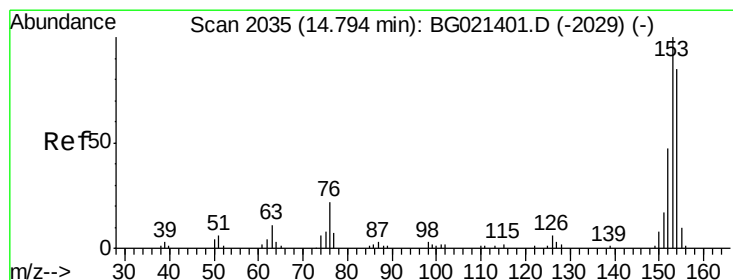
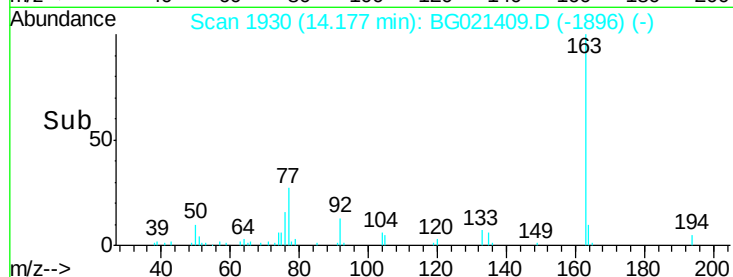
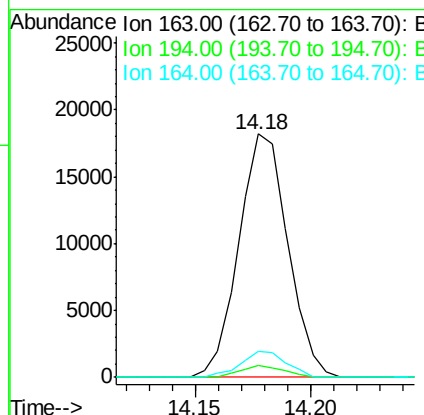
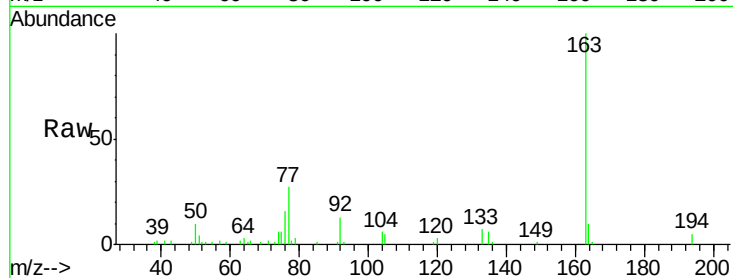
#45
Dimethylphthalate
Concen: 6.91 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Instrument :
BNA_G
ClientSampleId :
P009-SS001-01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26963		
194	4.8		3.9	5.9
164	10.5		8.7	13.1

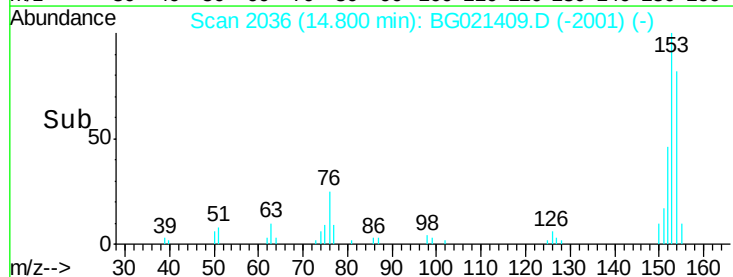
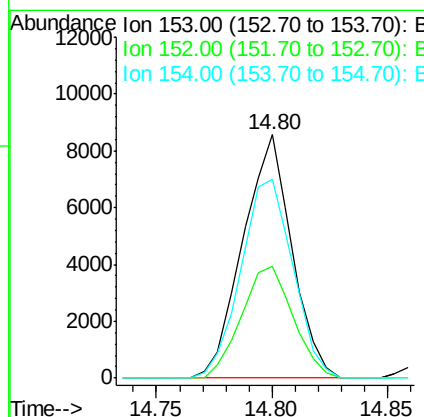
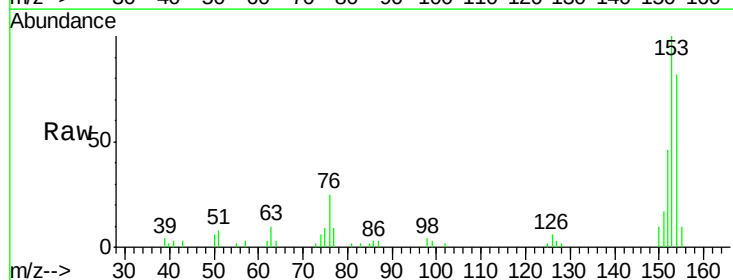
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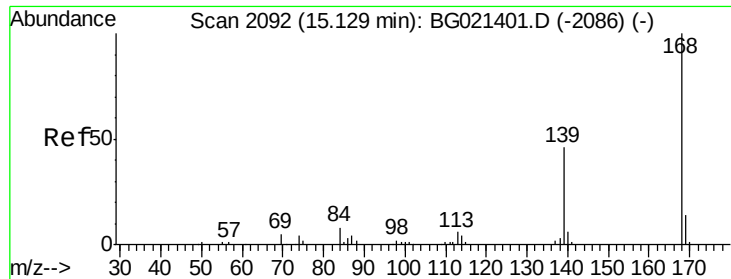
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#50
Acenaphthene
Concen: 3.99 ng/ul
RT: 14.80 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	12639		
152	45.8		36.5	54.7
154	81.7		67.3	100.9





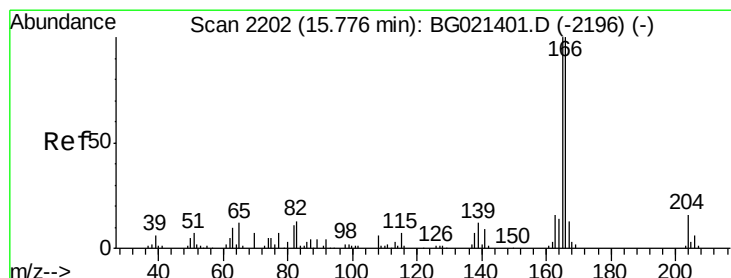
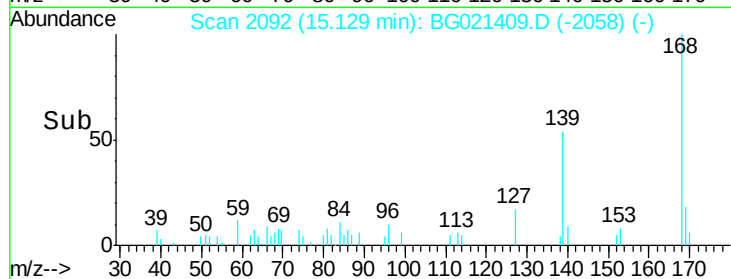
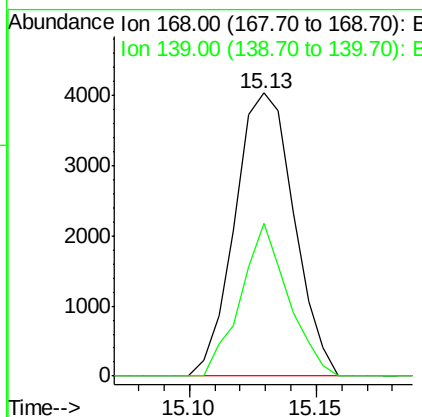
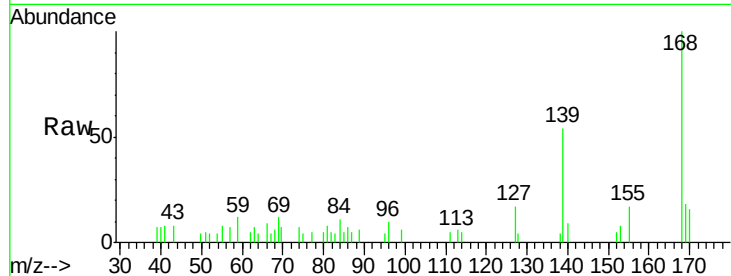
#54
Dibenzenofuran
Concen: 1.49 ng/ul
RT: 15.13 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Instrument :
BNA_G
ClientSampleId :
P009-SS001-01

Tgt Ion:168 Resp: 6525
Ion Ratio Lower Upper
168 100
139 53.9 35.2 52.8#

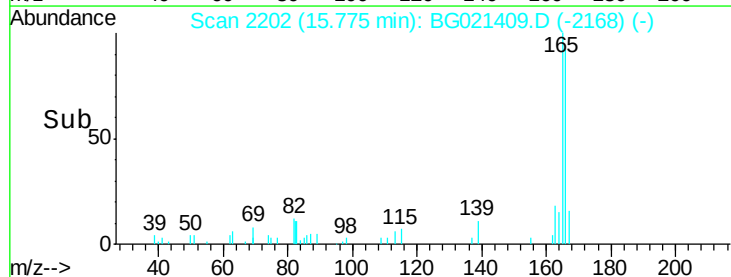
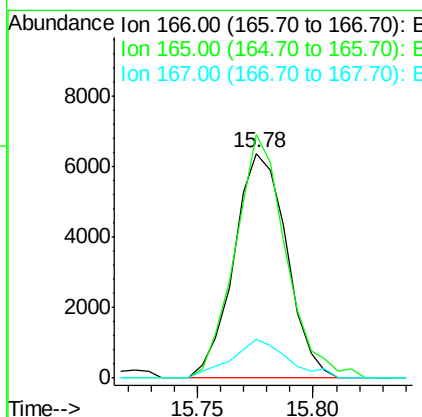
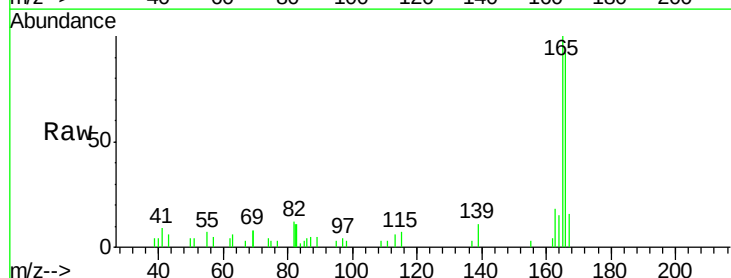
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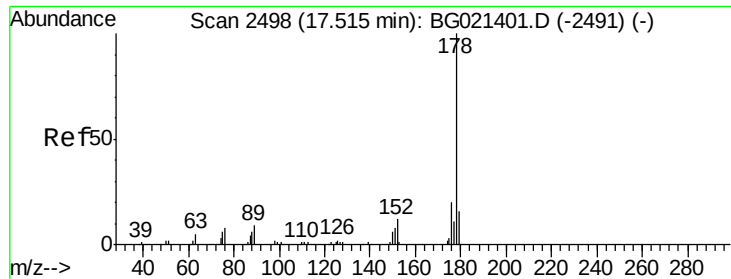
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#59
Fluorene
Concen: 2.66 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Tgt Ion:166 Resp: 10140
Ion Ratio Lower Upper
166 100
165 108.3 81.1 121.7
167 17.2 10.6 16.0#





#70

Phenanthrene

Concen: 17.41 ng/ul

RT: 17.51 min Scan# 2498

Delta R.T. -0.00 min

Lab File: BG021409.D

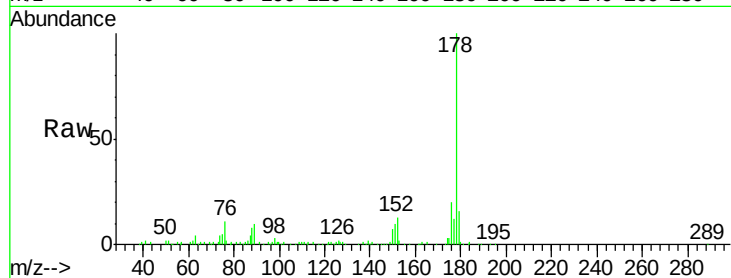
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Instrument :

BNA_G

ClientSampleId :

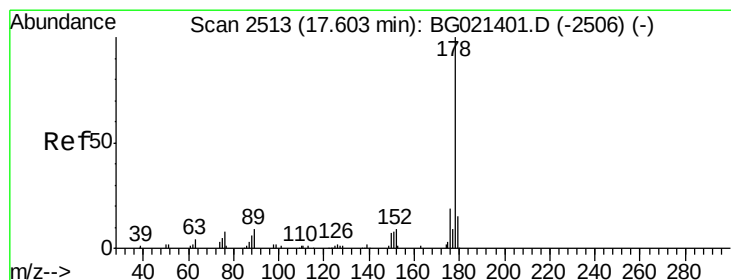
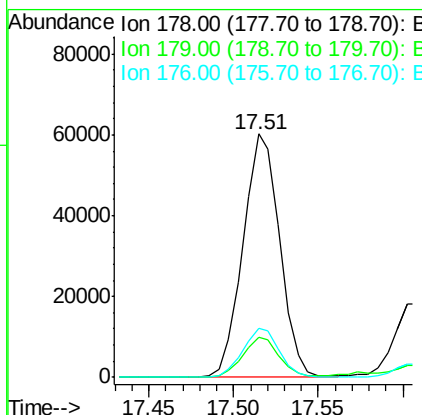
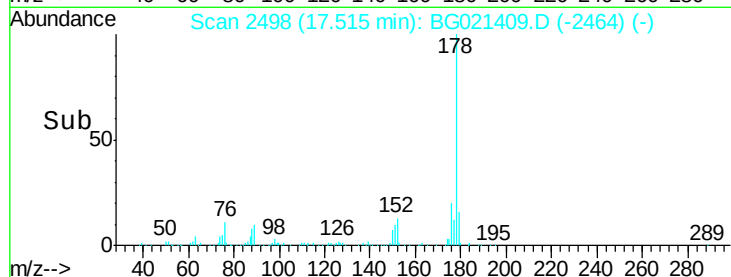
P009-SS001-01



Tgt Ion:	178	Resp:	91394
Ion Ratio	Lower	Upper	
178	100		
179	16.5	11.8	17.8
176	20.1	14.8	22.2

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#72

Anthracene

Concen: 5.40 ng/ul

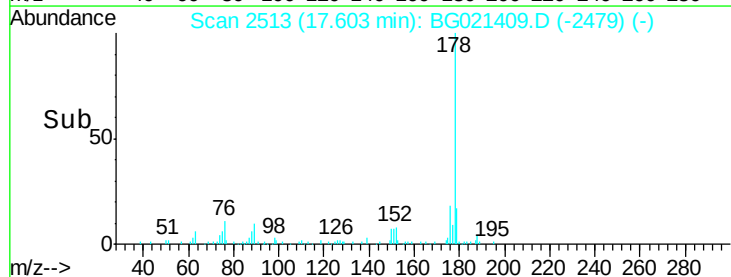
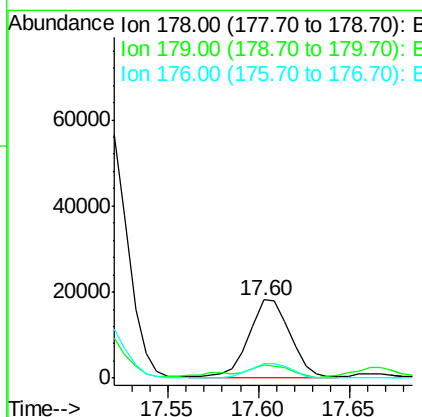
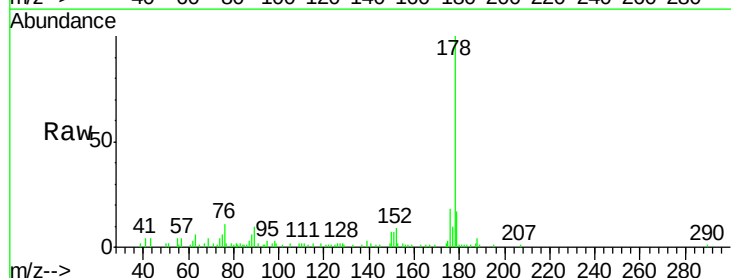
RT: 17.60 min Scan# 2513

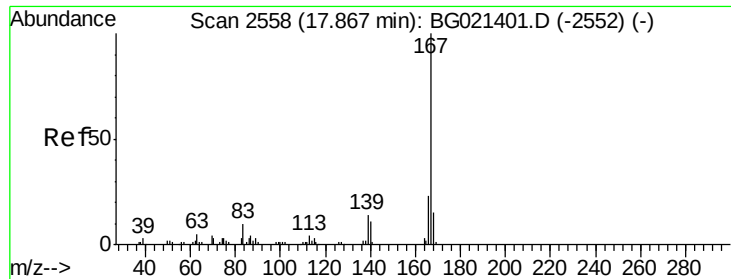
Delta R.T. -0.00 min

Lab File: BG021409.D

Acq: 10 Mar 2016 15:36

Tgt Ion:	178	Resp:	28864
Ion Ratio	Lower	Upper	
178	100		
179	17.0	12.9	19.3
176	18.2	15.6	23.4





#75

Carbazole

Concen: 2.57 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG021409.D

Acq: 10 Mar 2016 15:36

Instrument :

BNA_G

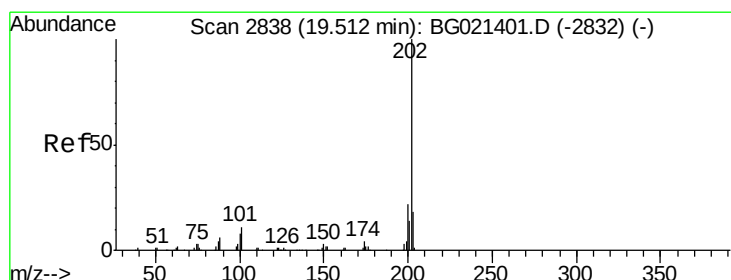
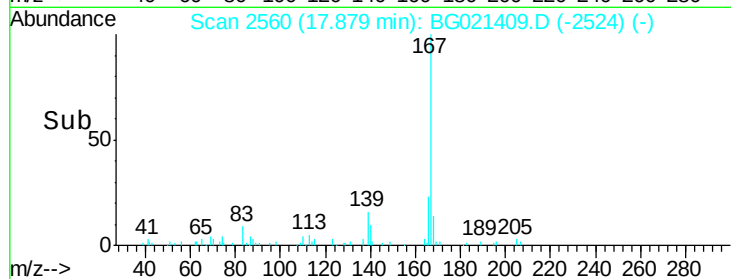
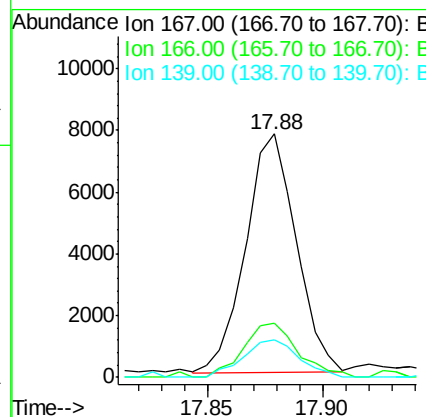
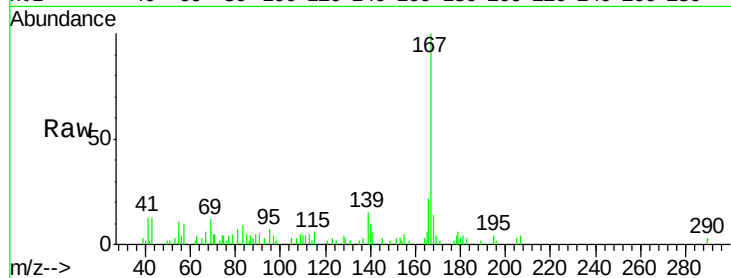
ClientSampleId :

P009-SS001-01

Tgt Ion:	167	Resp:	11861
Ion Ratio	Lower	Upper	
167	100		
166	22.2	19.0	28.4
139	15.4	12.2	18.4

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#77

Fluoranthene

Concen: 17.69 ng/ul

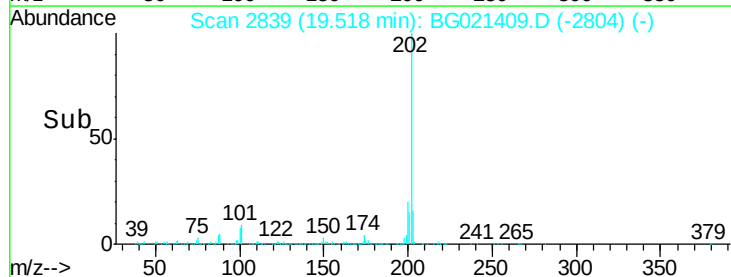
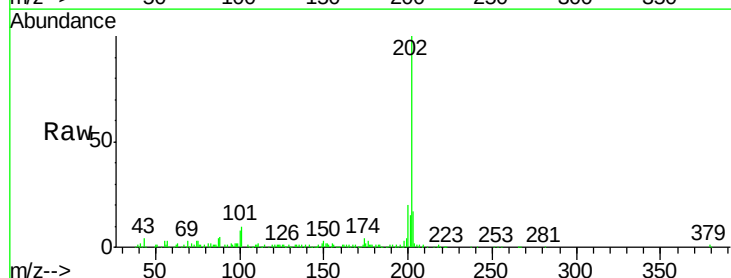
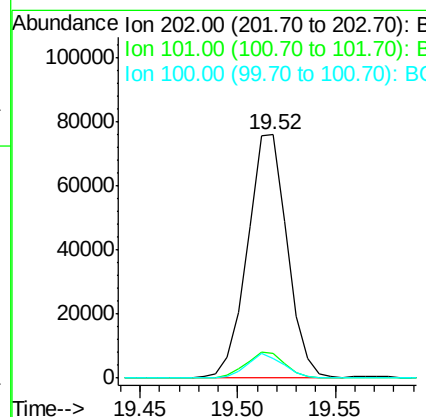
RT: 19.52 min Scan# 2839

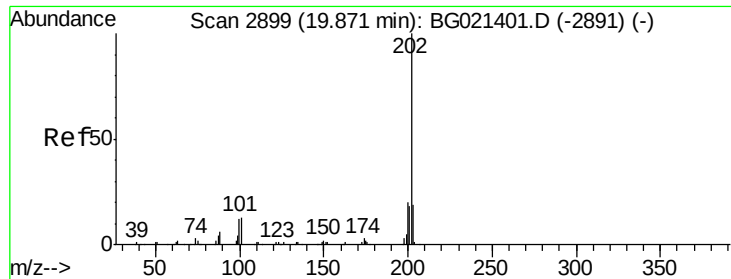
Delta R.T. 0.01 min

Lab File: BG021409.D

Acq: 10 Mar 2016 15:36

Tgt Ion:	202	Resp:	107221
Ion Ratio	Lower	Upper	
202	100		
101	9.9	8.9	13.3
100	8.3	7.0	10.4





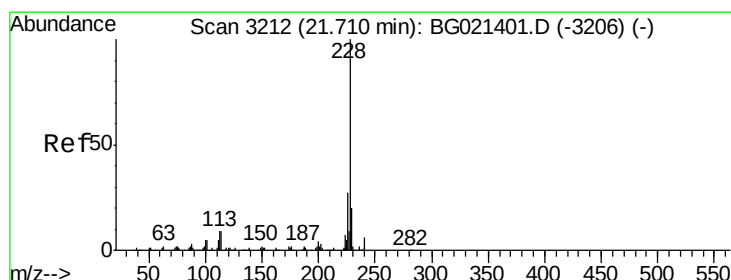
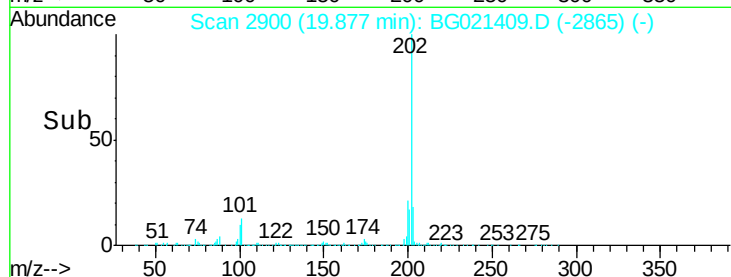
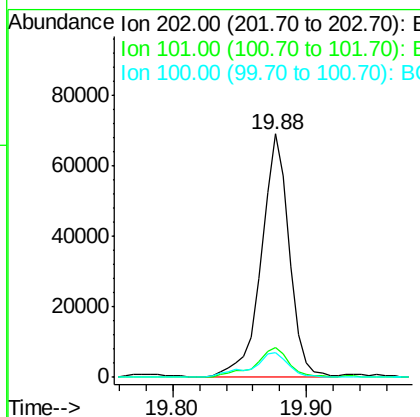
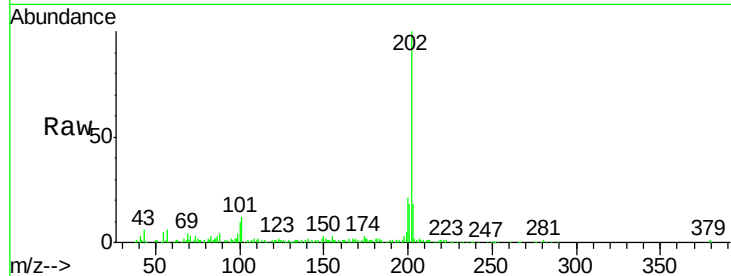
#80
 Pyrene
 Concen: 15.20 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BG021409.D
 Acq: 10 Mar 2016 15:36

Instrument :
 BNA_G
 ClientSampleId :
 P009-SS001-01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	99128		
101	12.4	9.8	14.8	
100	10.3	9.3	13.9	

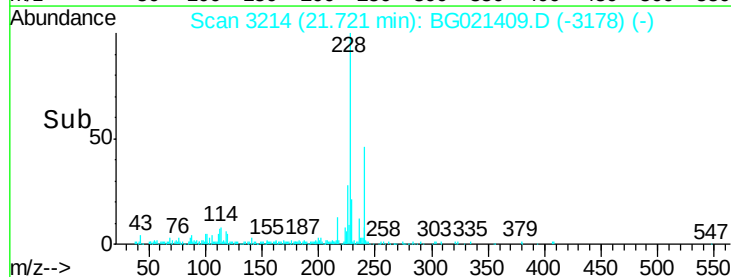
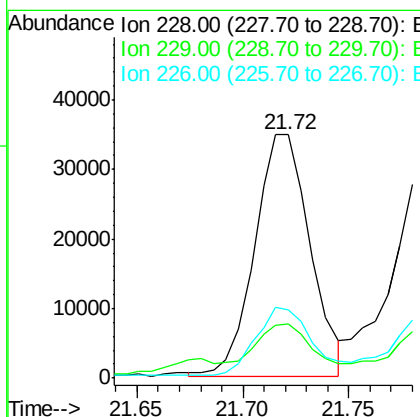
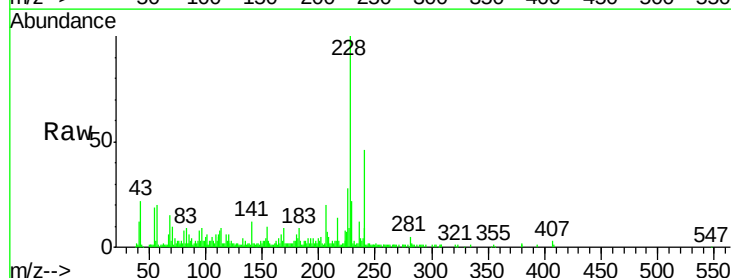
Manual Integrations
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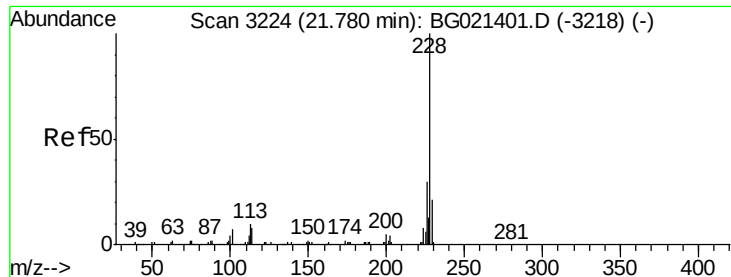
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#83
 Benzo(a)anthracene
 Concen: 9.97 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. 0.01 min
 Lab File: BG021409.D
 Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	63429		
229	22.2	16.6	25.0	
226	28.3	21.0	31.4	





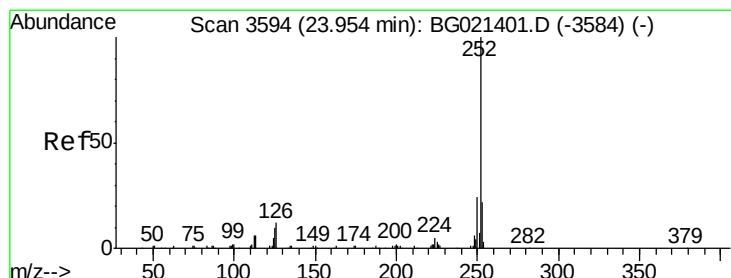
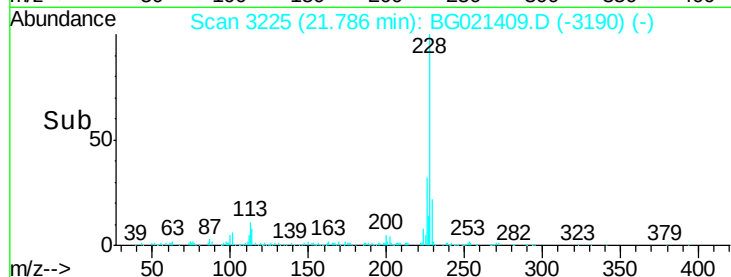
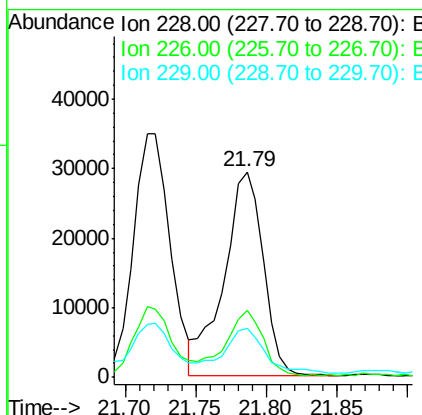
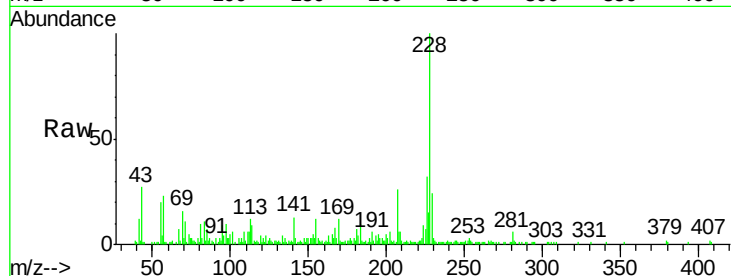
#85
Chrysene
Concen: 9.68 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Instrument :
BNA_G
ClientSampleId :
P009-SS001-01

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	56996		
226	32.4		23.4	35.2
229	23.9		16.2	24.2

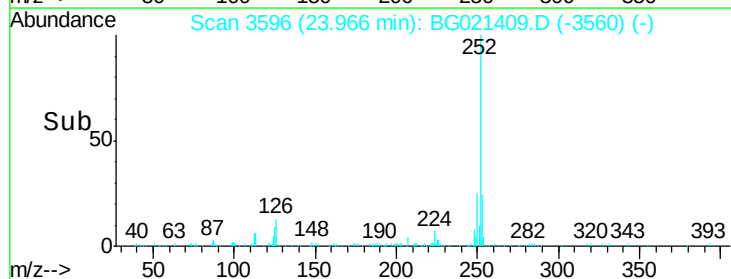
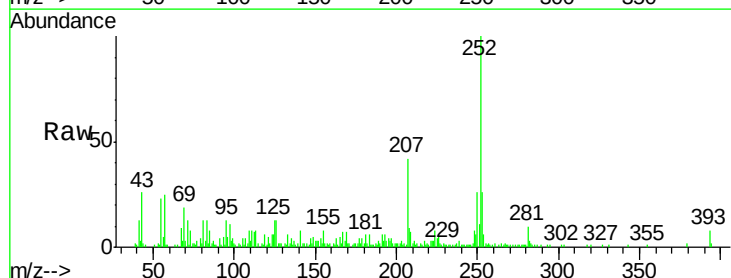
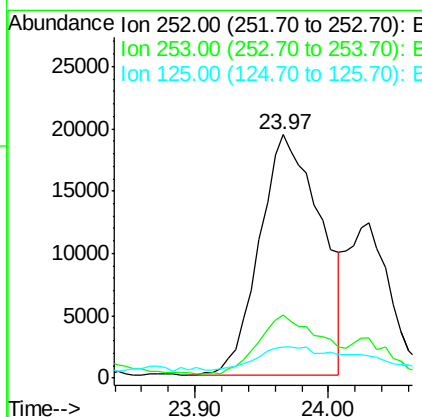
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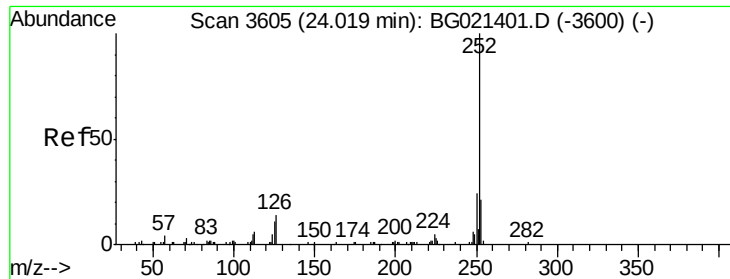
Sohil
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#88
Benzo(b)fluoranthene
Concen: 9.83 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.01 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	61666		
253	25.8		18.1	27.1
125	12.8		7.6	11.4#





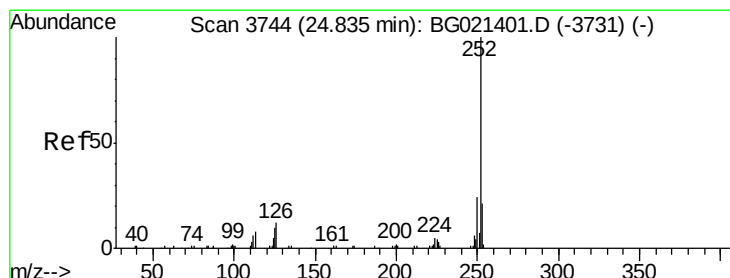
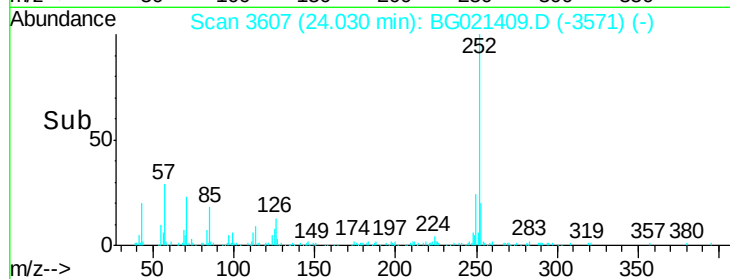
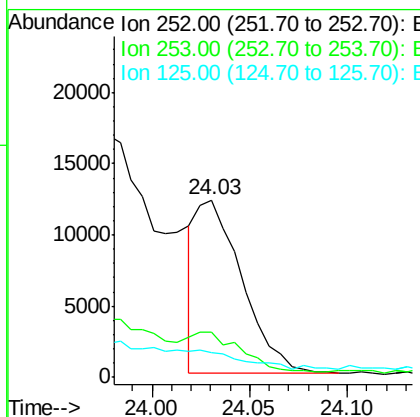
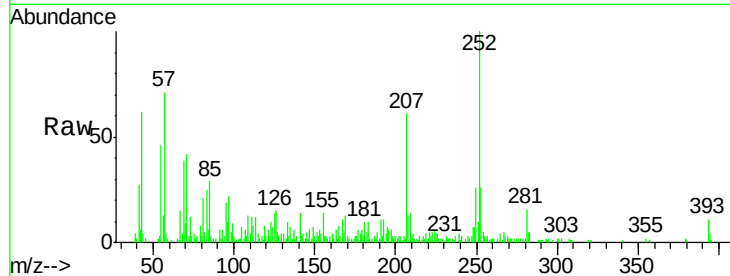
#89
Benzo(k)fluoranthene
Concen: 3.24 ng/ul
RT: 24.03 min Scan# 3607
Delta R.T. 0.01 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Instrument :
BNA_G
ClientSampleId :
P009-SS001-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	25.6	17.8	26.8
125	14.3	7.7	11.5#

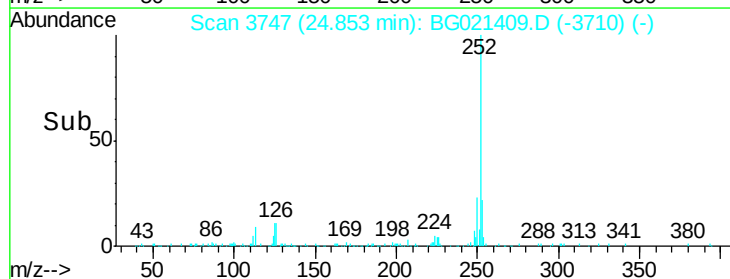
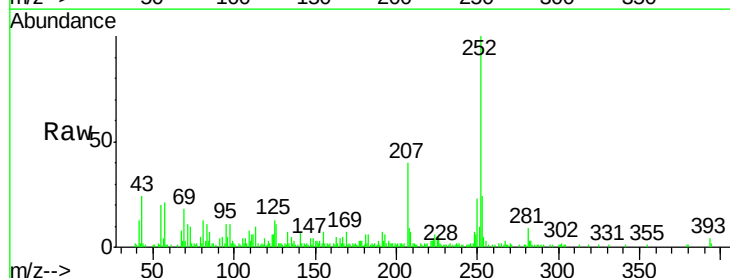
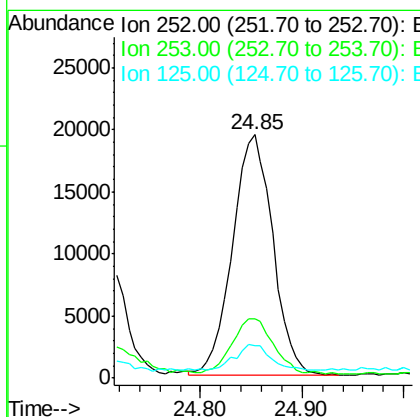
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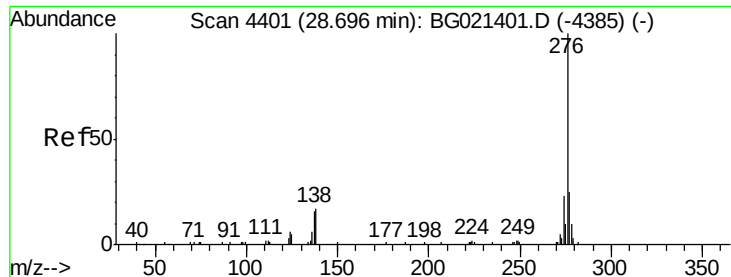
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#91
Benzo(a)pyrene
Concen: 8.71 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. 0.02 min
Lab File: BG021409.D
Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.3	17.4	26.0
125	13.5	8.2	12.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng/ul m

RT: 28.72 min Scan# 4406

Delta R.T. 0.03 min

Lab File: BG021409.D

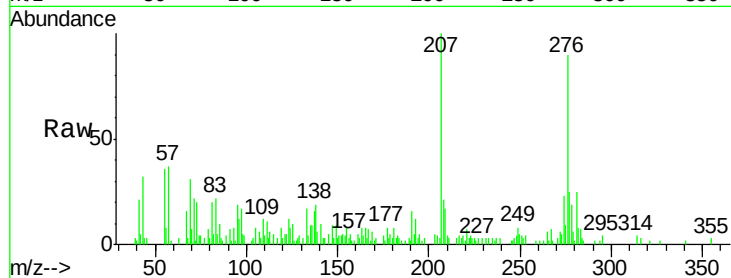
Acq: 10 Mar 2016 15:36

Instrument :

BNA_G

ClientSampleId :

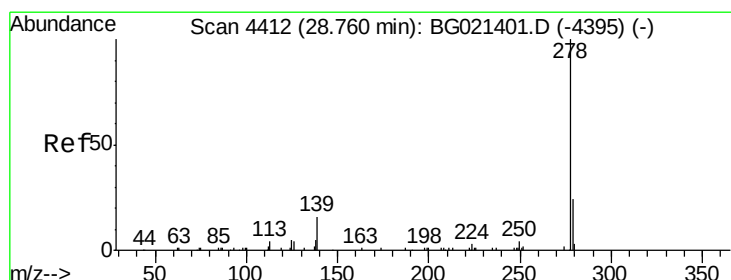
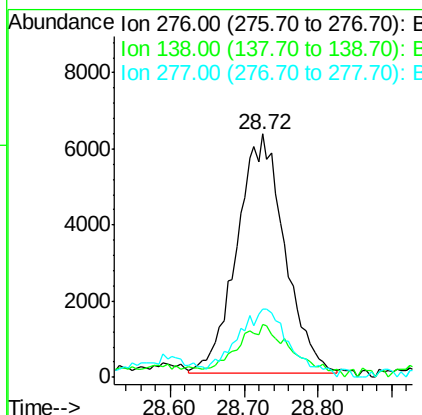
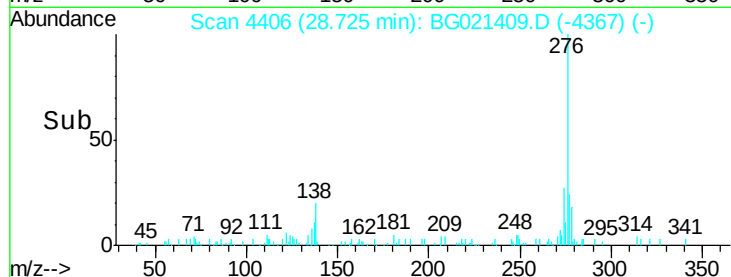
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	15.8	23.6
277	27.9	19.0	28.6

Manual Integrations
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#93

Dibenzo(a,h)anthracene

Concen: 1.80 ng/ul m

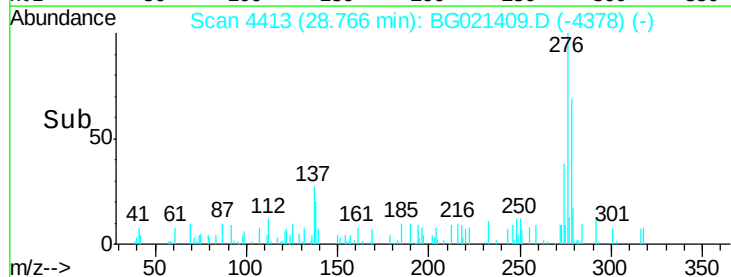
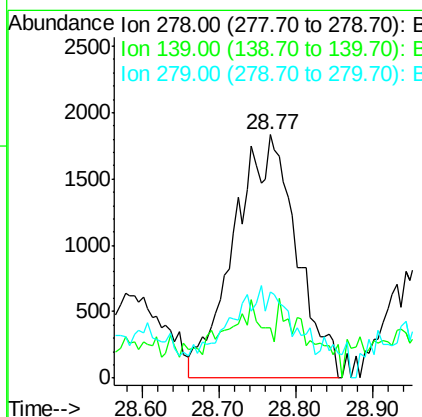
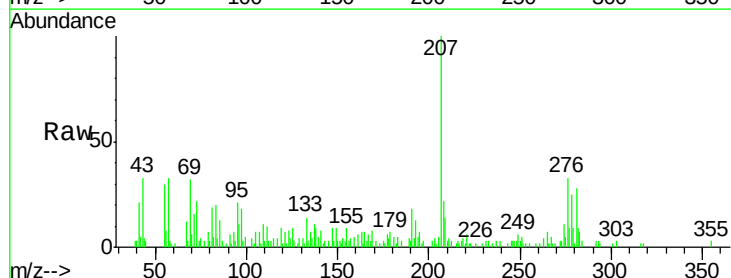
RT: 28.77 min Scan# 4413

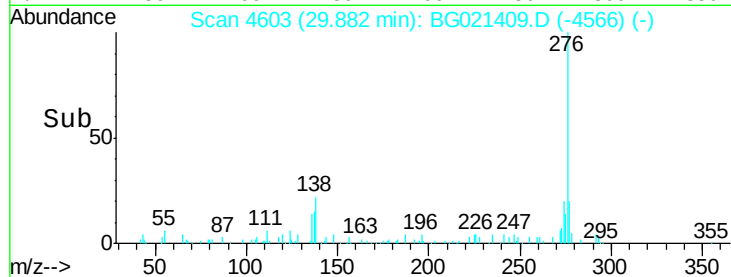
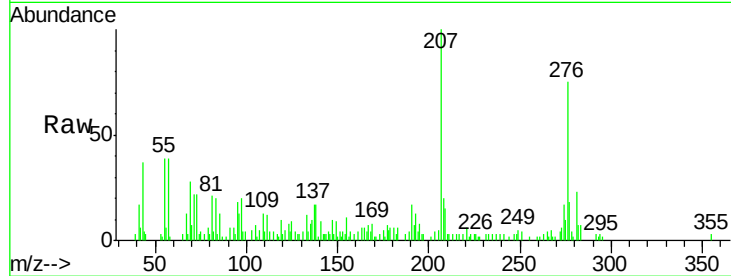
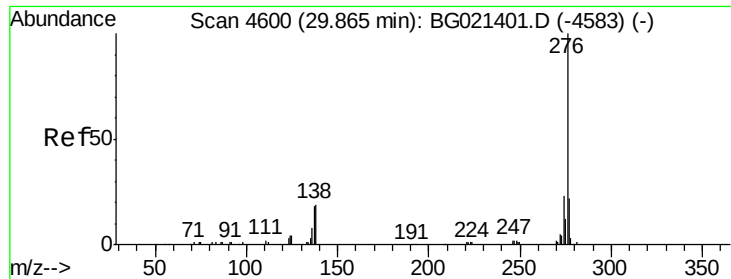
Delta R.T. 0.01 min

Lab File: BG021409.D

Acq: 10 Mar 2016 15:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	12.1	18.1#
279	35.4	19.8	29.8#





#94

Benzo(g,h,i)perylene

Concen: 4.78 ng/ul m

RT: 29.88 min Scan# 4603

Delta R.T. 0.02 min

Lab File: BG021409.D

Acq: 10 Mar 2016 15:36

Tgt Ion:	276	Resp:	26697
Ion Ratio	Lower	Upper	
276	100		
138	22.3	13.9	20.9#
277	24.3	19.8	29.6

Instrument :

BNA_G

ClientSampleId :

P009-SS001-01

Manual Integrations
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