

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020751.D
 Acq On : 15 Jan 2016 14:04
 Operator : SJ/IZ
 Sample : H1101-13 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

Manual Integrations
 APPROVED

Sohil
 1/16/2016 3:03:14 AM

Quant Time: Jan 15 23:40:38 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 15 22:12:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	18639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	80050	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	56598	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	138054	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	160392	20.00	ng/ul	0.00
86) Perylene-d12	24.95	264	155176	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.21	99	1845	1.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	1074	1.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	1712	1.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	1448	1.07	ng/ul	0.00
19) Nitrobenzene-d5	9.21	128	744m	1.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	970	1.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	1575	1.13	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.08	166	7346	1.49	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	8584	1.55	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.67	176	7499	1.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	372	0.50	ng/ul	0.00
71) Anthracene-d10	17.53	188	11355m	1.68	ng/ul	0.00
79) Pyrene-d10	19.81	212	13897m	1.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	13625	1.65	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.91	128	4893	1.08	ng/ul#	94
50) Acenaphthene	14.74	153	5642	1.40	ng/ul	94
59) Fluorene	15.73	166	9068	1.83	ng/ul#	90
70) Phenanthrene	17.47	178	187966	22.88	ng/ul	99
72) Anthracene	17.56	178	26011	3.14	ng/ul	96
75) Carbazole	17.83	167	13437	1.98	ng/ul	99
77) Fluoranthene	19.48	202	290466	29.09	ng/ul	99
80) Pyrene	19.84	202	318201	31.29	ng/ul	99
83) Benzo(a)anthracene	21.68	228	157947	15.78	ng/ul	97
85) Chrysene	21.75	228	171310	18.11	ng/ul	97
88) Benzo(b)fluoranthene	23.93	252	172792	17.29	ng/ul	98
89) Benzo(k)fluoranthene	23.98	252	59419m	6.02	ng/ul	
91) Benzo(a)pyrene	24.80	252	136829	14.22	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.67	276	81181	7.15	ng/ul#	97
93) Dibenzo(a,h)anthracene	28.70	278	26319m	2.82	ng/ul	
94) Benzo(g,h,i)perylene	29.85	276	81698	8.73	ng/ul	99

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

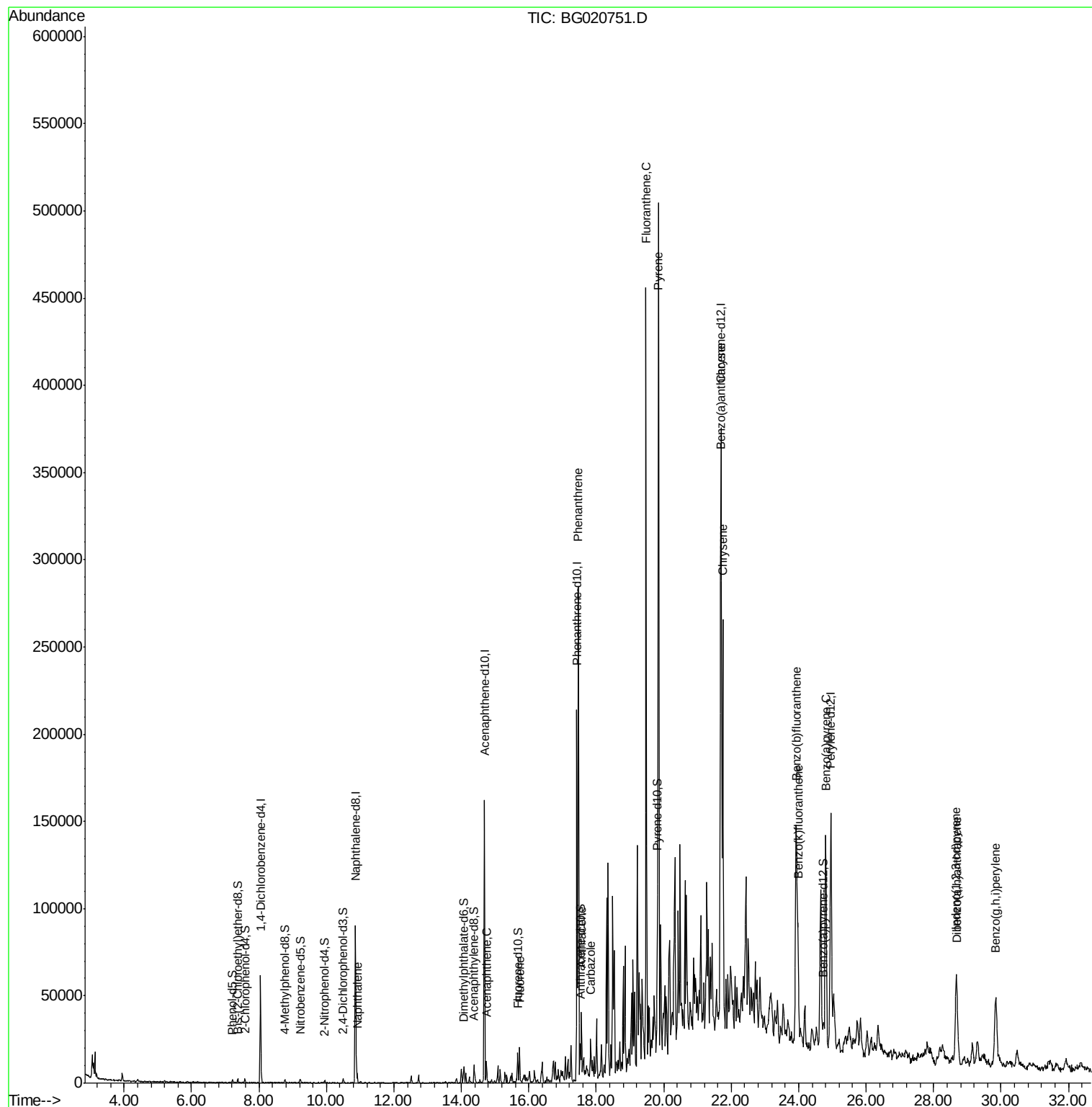
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020751.D
Acq On : 15 Jan 2016 14:04
Operator : SJ/IZ
Sample : H1101-13 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

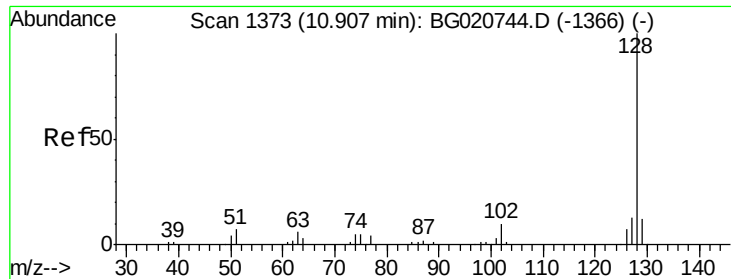
Instrument :
BNA_G
ClientSampleId :
BC9F4

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Quant Time: Jan 15 23:40:38 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





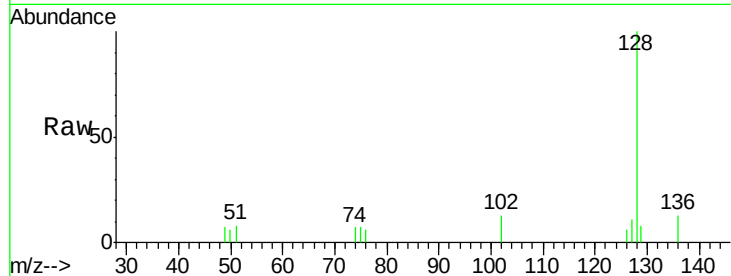
#28
Naphthalene
Concen: 1.08 ng/ul
RT: 10.91 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Instrument :
BNA_G
ClientSampleId :
BC9F4

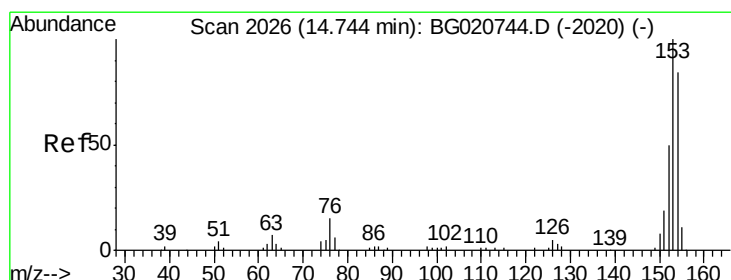
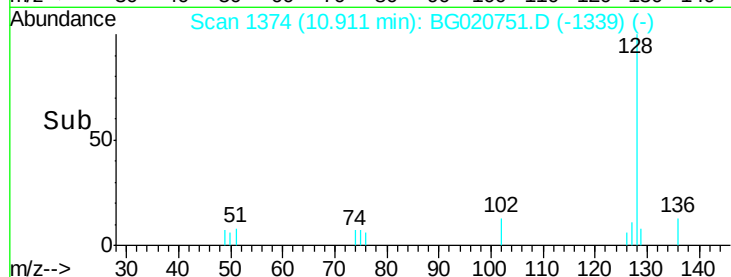
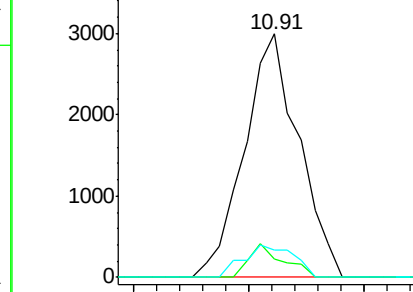
Tgt Ion	Ratio	Lower	Upper
128	100		
129	7.7	8.3	12.5#
127	11.4	10.8	16.2

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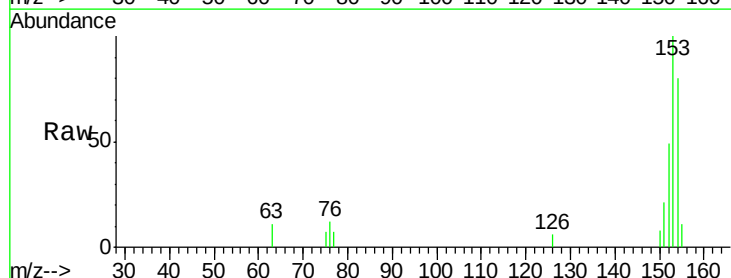


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Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

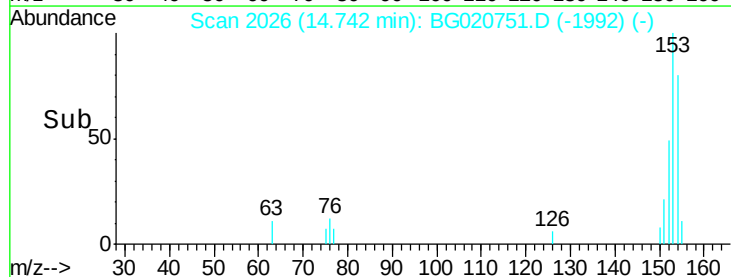
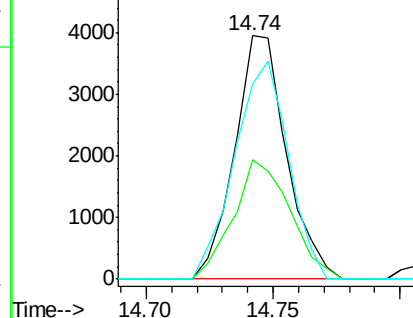


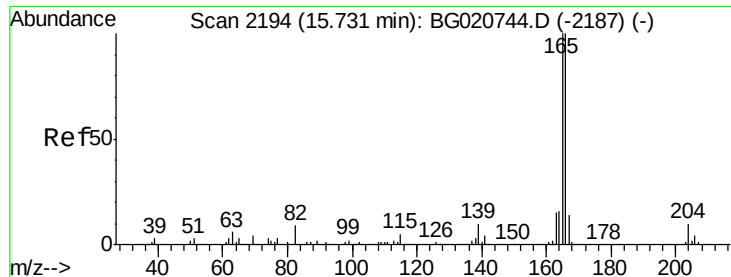
#50
Acenaphthene
Concen: 1.40 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.9	56.9
154	80.0	69.8	104.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





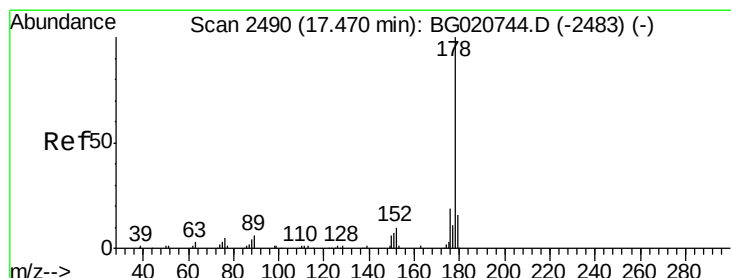
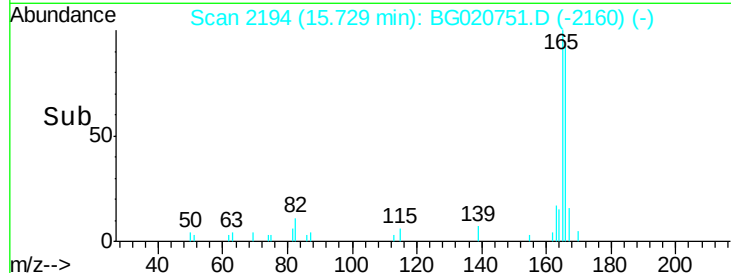
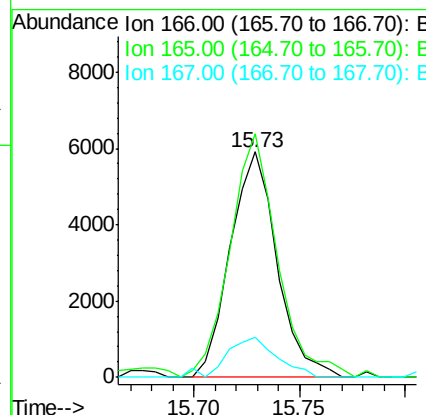
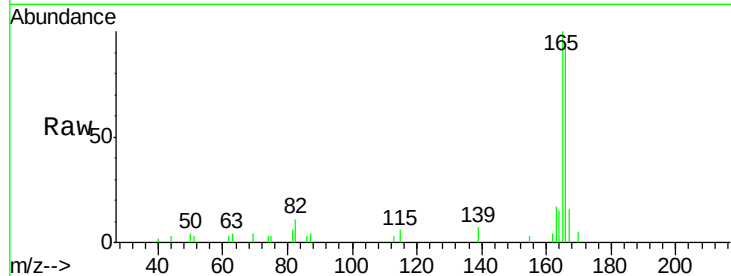
#59
 Fluorene
 Concen: 1.83 ng/ul
 RT: 15.73 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.2	78.4	117.6
167	17.7	11.1	16.7#

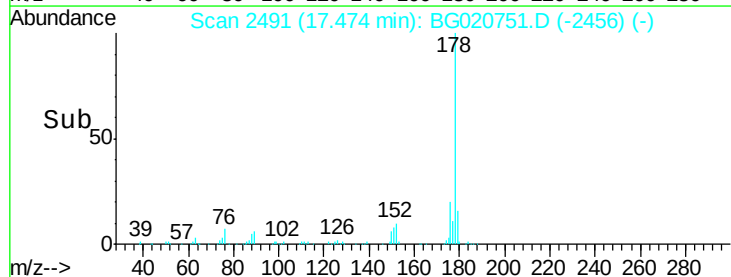
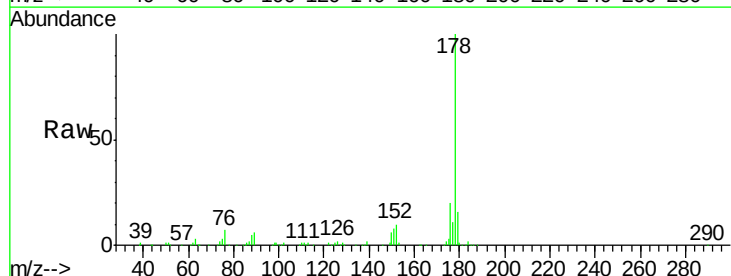
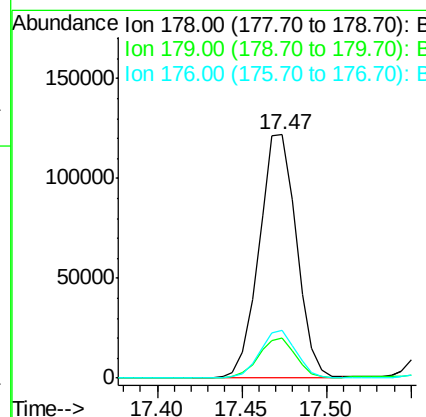
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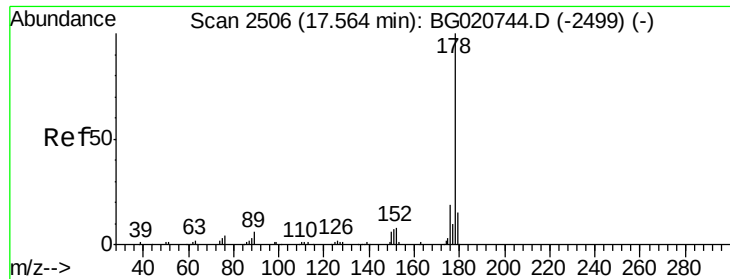
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#70
 Phenanthrene
 Concen: 22.88 ng/ul
 RT: 17.47 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	19.6	15.4	23.0





#72

Anthracene

Concen: 3.14 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG020751.D

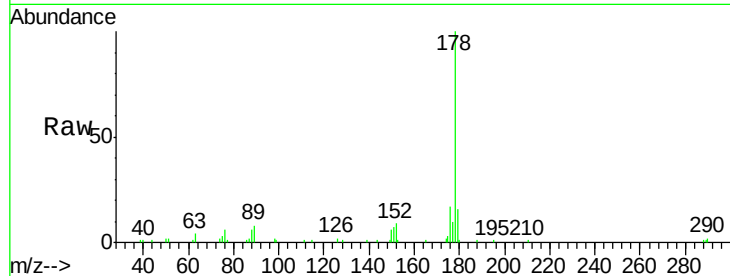
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Instrument :

BNA_G

ClientSampleId :

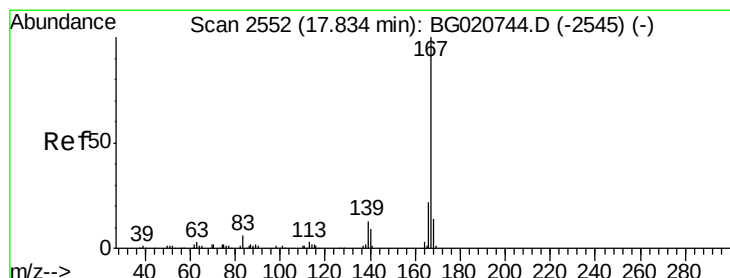
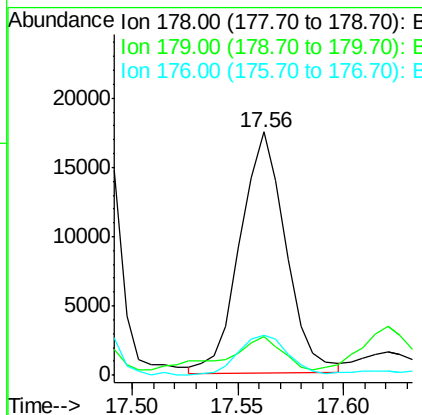
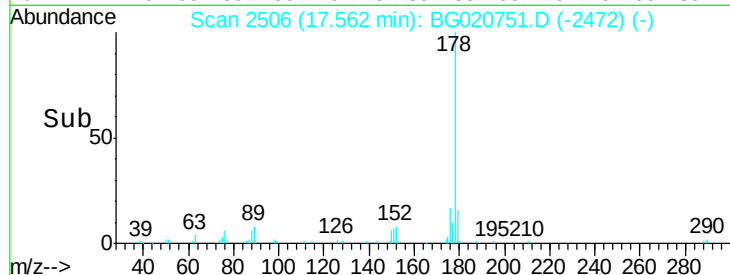
BC9F4



Tgt Ion:	178	Resp:	26011
Ion Ratio	Lower	Upper	
178	100		
179	15.9	13.4	20.2
176	16.6	15.4	23.0

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#75

Carbazole

Concen: 1.98 ng/ul

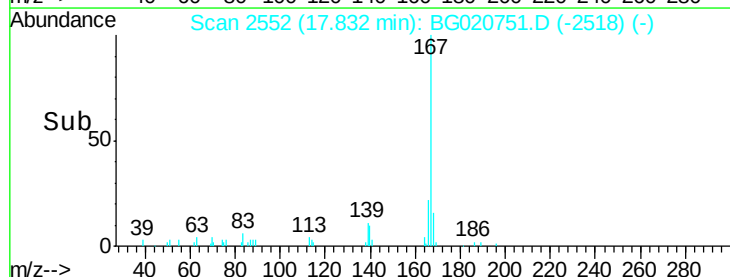
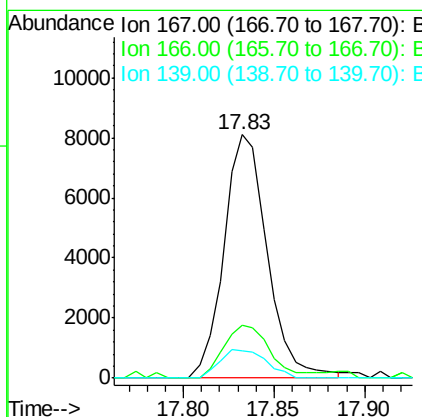
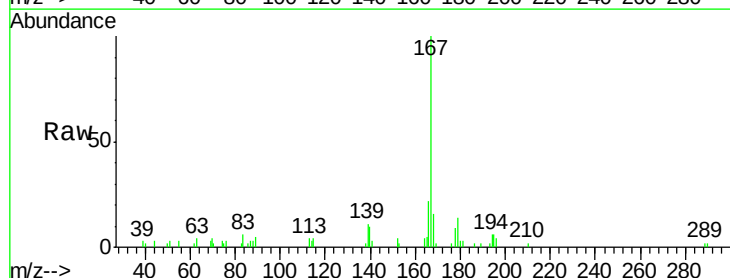
RT: 17.83 min Scan# 2552

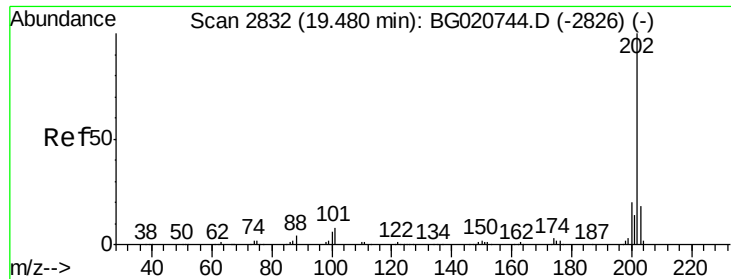
Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Tgt Ion:	167	Resp:	13437
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.0	25.4
139	11.5	9.1	13.7





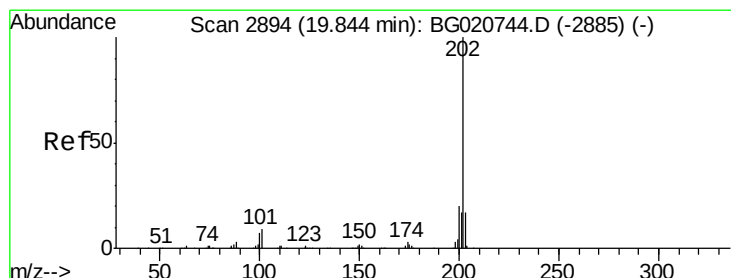
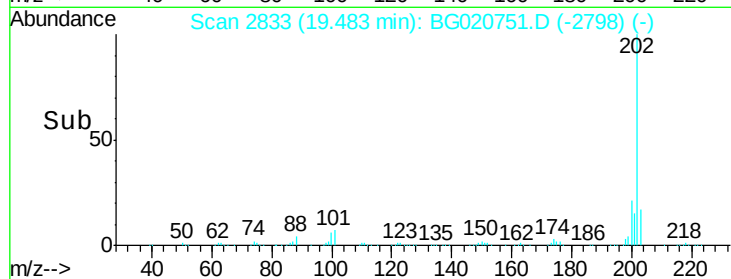
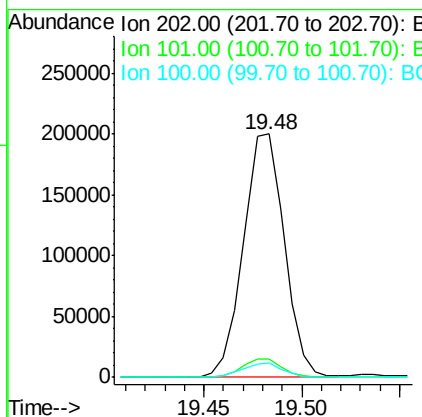
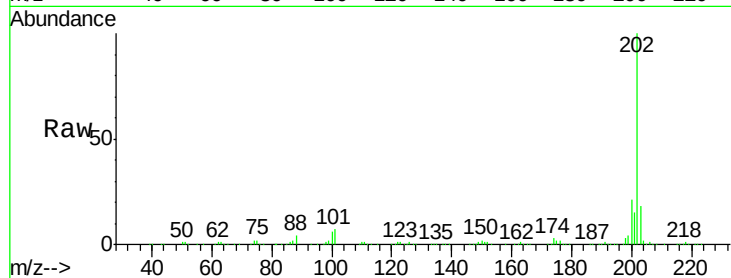
#77
 Fluoranthene
 Concen: 29.09 ng/ul
 RT: 19.48 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Instrument :
 BNA_G
 ClientSampleId :
 BC9F4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.3	6.1	9.1
100	5.8	4.6	7.0

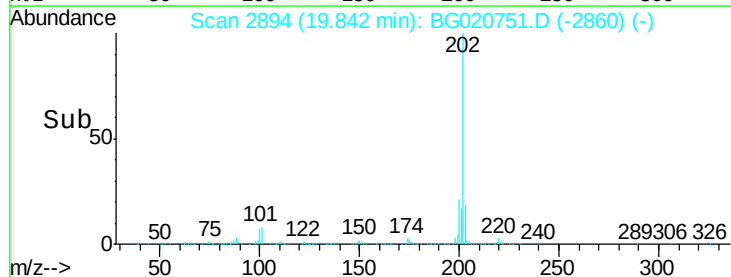
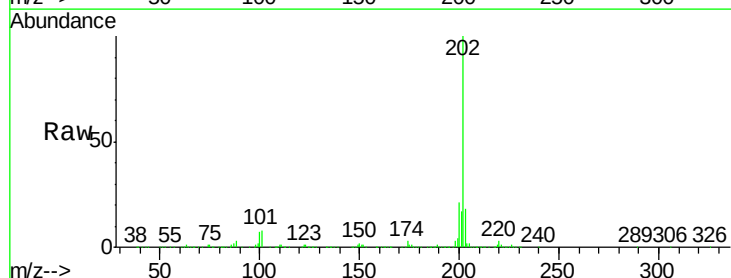
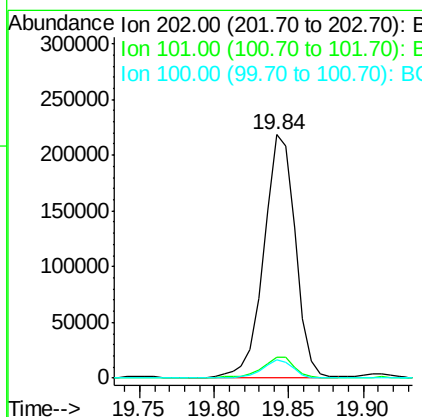
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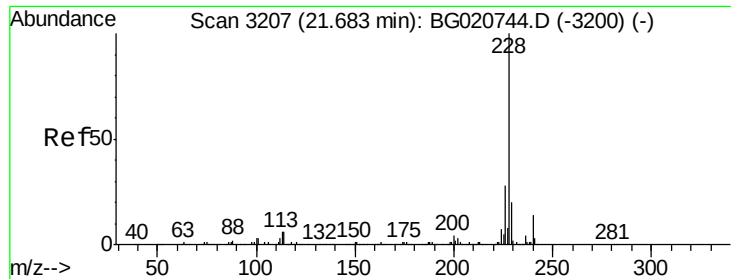
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#80
 Pyrene
 Concen: 31.29 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: BG020751.D
 Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.4	6.9	10.3
100	7.4	5.6	8.4





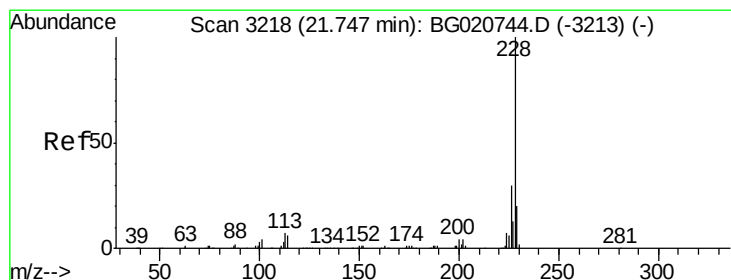
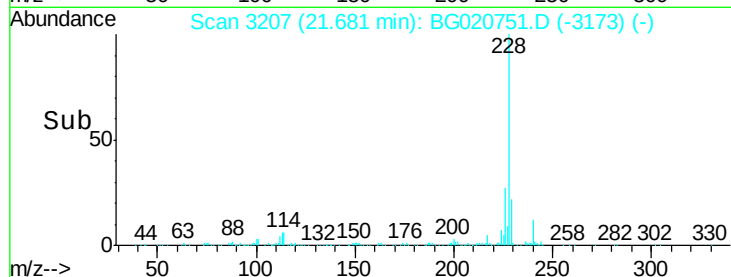
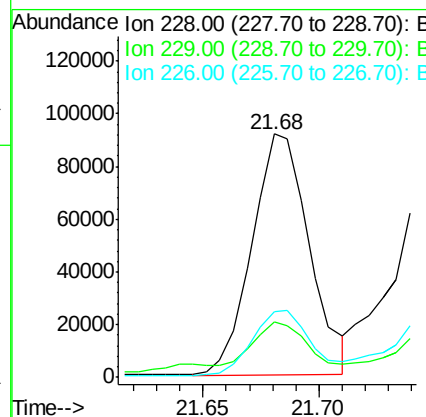
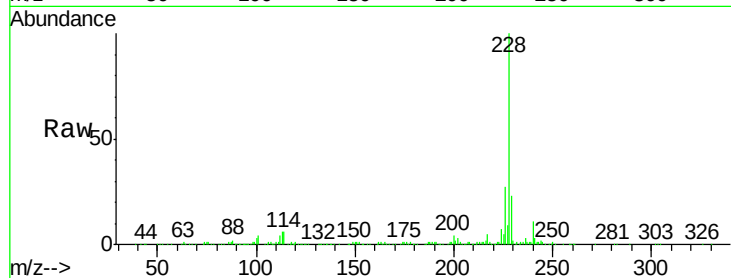
#83
Benzo(a)anthracene
Concen: 15.78 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Instrument :
BNA_G
ClientSampleId :
BC9F4

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.8	16.0	24.0
226	27.0	21.8	32.8

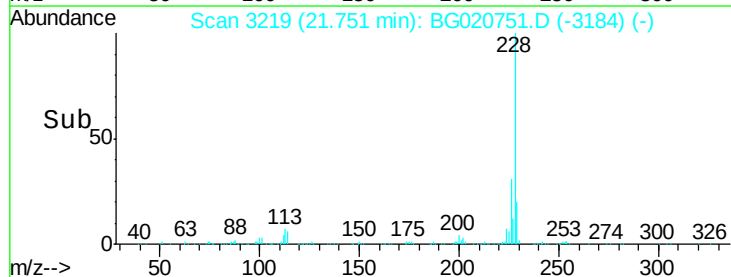
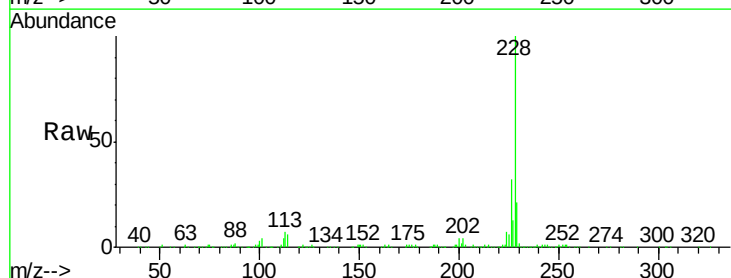
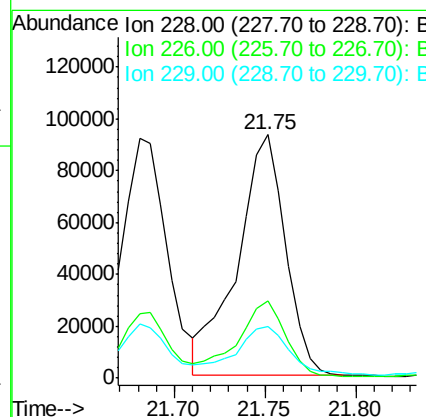
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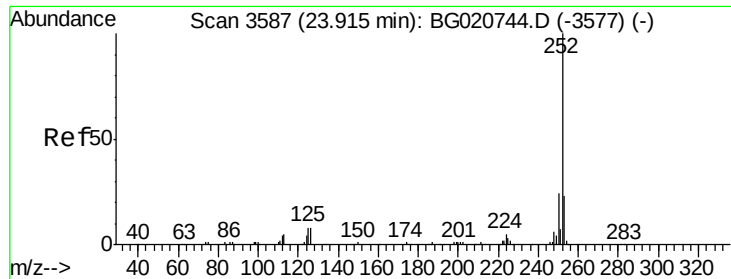
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#85
Chrysene
Concen: 18.11 ng/ul
RT: 21.75 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.1	36.1
229	21.1	16.0	24.0





#88

Benzo(b)fluoranthene

Concen: 17.29 ng/ul

RT: 23.93 min Scan# 3589

Delta R.T. 0.01 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

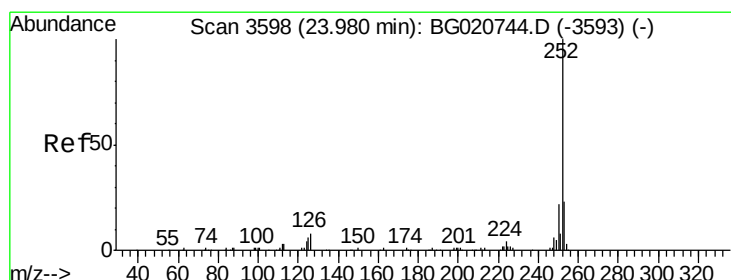
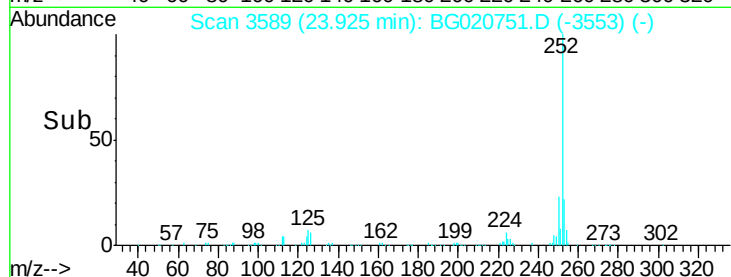
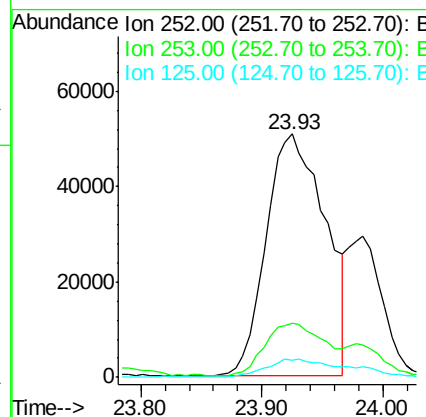
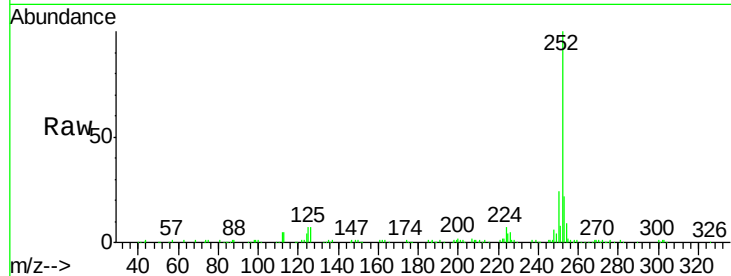
ClientSampleId :

BC9F4

Tgt Ion:	252	Resp:	172792
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	7.1	4.9	7.3

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 6.02 ng/ul m

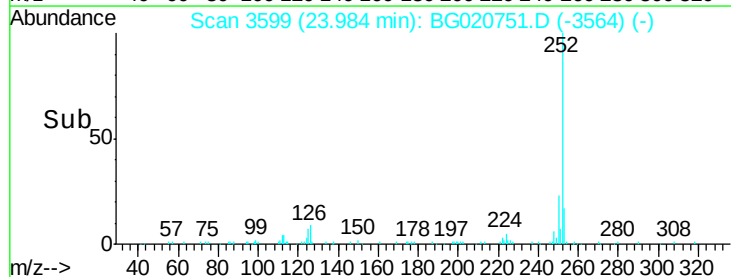
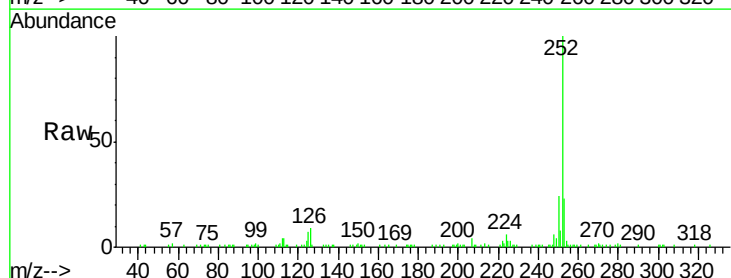
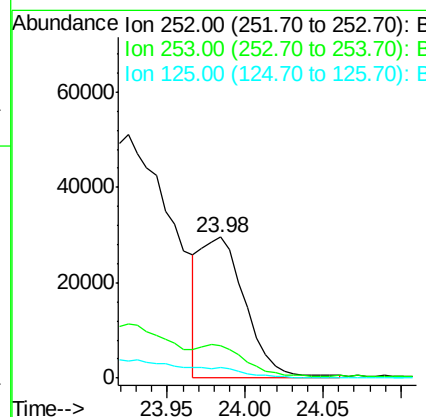
RT: 23.98 min Scan# 3599

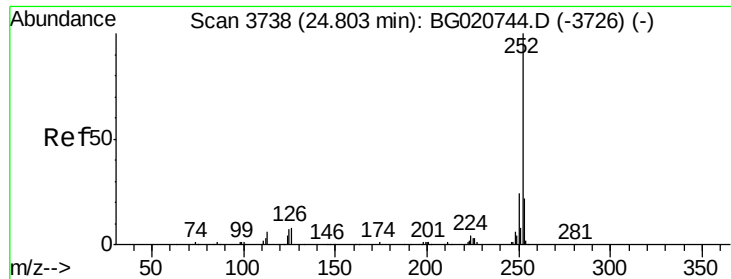
Delta R.T. 0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Tgt Ion:	252	Resp:	59419
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.1	25.7
125	7.2	5.4	8.0





#91

Benzo(a)pyrene

Concen: 14.22 ng/ul

RT: 24.80 min Scan# 3738

Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Instrument :

BNA_G

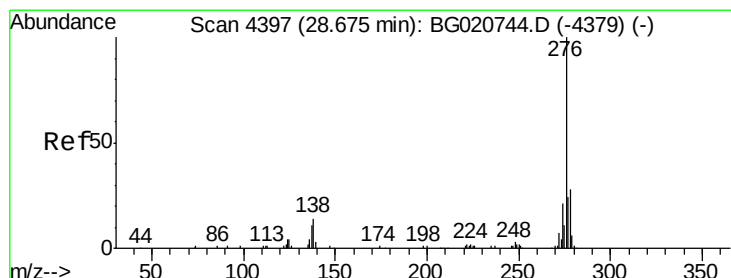
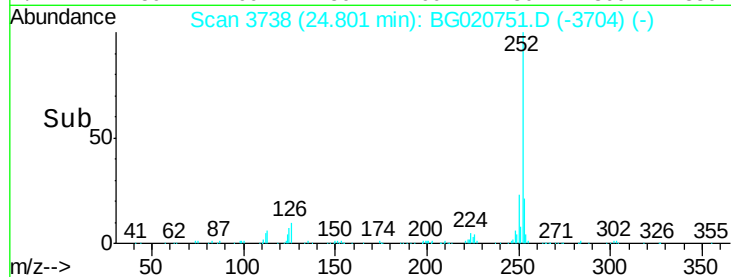
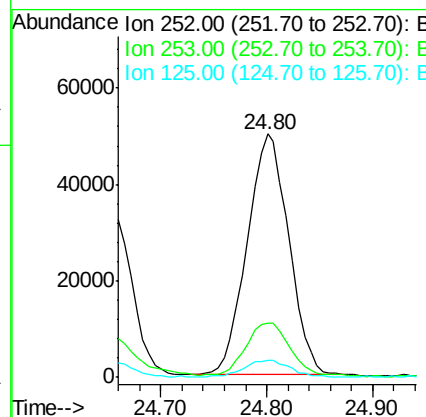
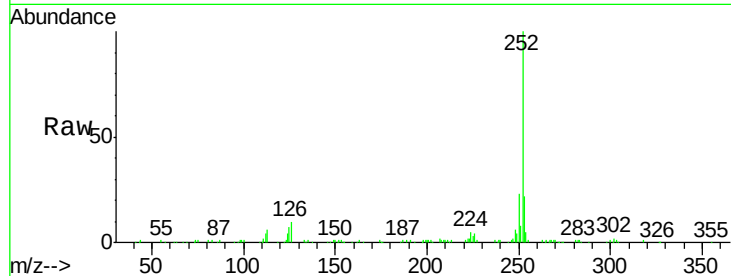
ClientSampleId :

BC9F4

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	136829		
253	22.0		17.2	25.8
125	7.0		5.8	8.6

Manual Integrations
APPROVED

Sohil
1/16/2016 3:03:14 AM



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.15 ng/ul

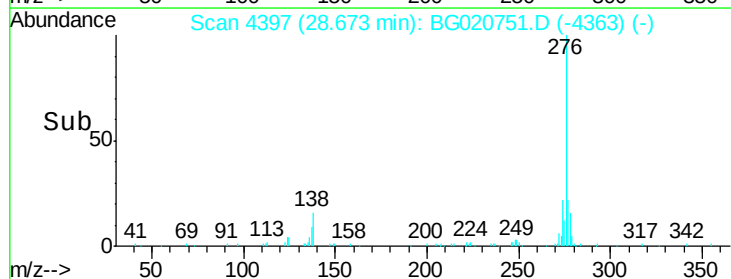
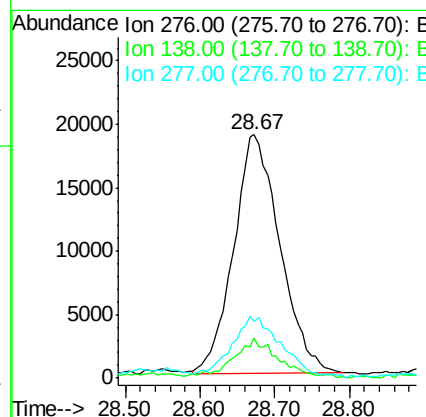
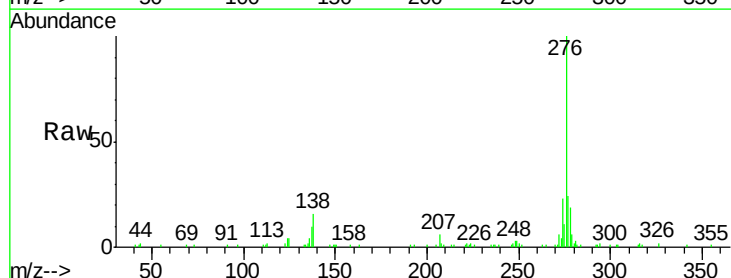
RT: 28.67 min Scan# 4397

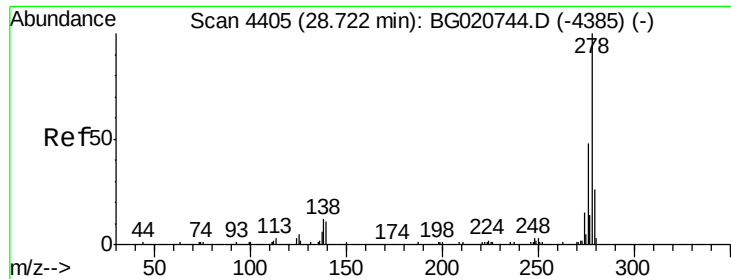
Delta R.T. -0.00 min

Lab File: BG020751.D

Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	81181		
138	16.5		10.9	16.3#
277	23.5		18.9	28.3





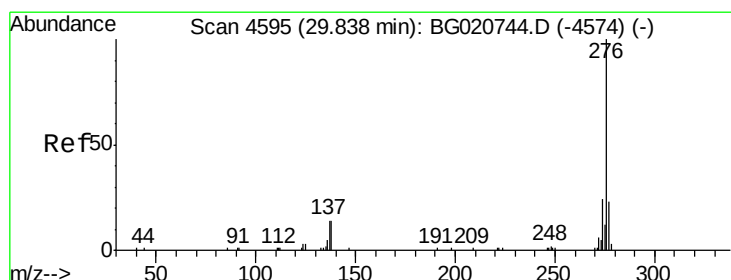
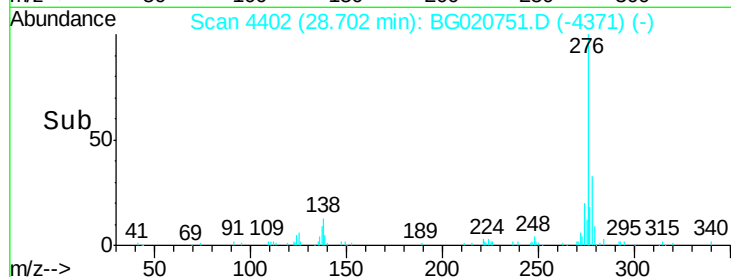
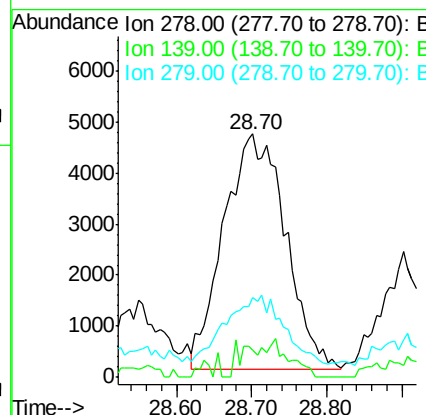
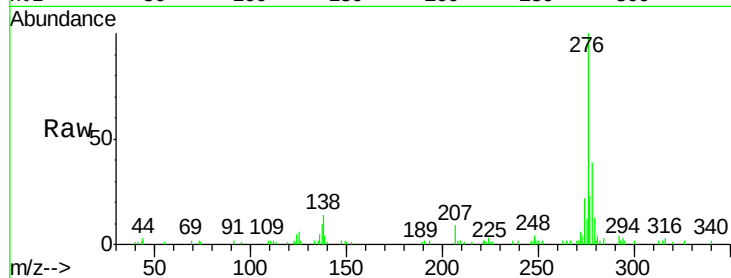
#93
Dibenzo(a,h)anthracene
Concen: 2.82 ng/ul m
RT: 28.70 min Scan# 4402
Delta R.T. -0.02 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Instrument :
BNA_G
ClientSampleId :
BC9F4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.0	13.4
279	32.9	19.1	28.7#

Manual Integrations
APPROVED

Sohil
1/16/2016 3:03:14 AM



#94
Benzo(g,h,i)perylene
Concen: 8.73 ng/ul
RT: 29.85 min Scan# 4597
Delta R.T. 0.01 min
Lab File: BG020751.D
Acq: 15 Jan 2016 14:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.2	16.8
277	22.9	19.0	28.6

