

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020417.D
 Acq On : 22 Dec 2015 20:12
 Operator : UM/SJ
 Sample : G4767-15ME
 Misc : MED LEVEL RX
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N37ME

Manual Integrations
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 12/24/2015 5:33:49 PM

Quant Time: Dec 24 05:59:16 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18558	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	81135	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	59588	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	130845	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	166569	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	161738	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1180	3.51	ng/uL	0.00
5) Phenol-d5	7.24	99	29590	18.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	20186	20.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	25271	21.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	27100	19.36	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14498	22.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17104	24.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	31363	22.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	35770	22.34	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	107942	22.40	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	126473	22.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	12041	13.93	ng/ul	0.00
58) Fluorene-d10	15.71	176	97074	22.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	13537	17.45	ng/ul	0.02
71) Anthracene-d10	17.58	188	142767	23.68	ng/ul	0.02
79) Pyrene-d10	19.85	212	173344	22.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	201798	25.01	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.98	128	2587149	610.61	ng/ul#	87
34) 2-Methylnaphthalene	12.56	142	927818	286.68	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	404559	89.99	ng/ul	95
45) Dimethylphthalate	14.17	163	12256	2.49	ng/ul	100
48) Acenaphthylene	14.44	152	154169	25.88	ng/ul#	96
50) Acenaphthene	14.80	153	1582795	394.86	ng/ul	94
54) Dibenzofuran	15.13	168	1567839	262.93	ng/ul	90
59) Fluorene	15.78	166	1487066	310.55	ng/ul#	98
70) Phenanthrene	17.61	178	527320	73.68	ng/ul	100
72) Anthracene	17.61	178	527320	72.64	ng/ul	97
75) Carbazole	17.87	167	324502	53.20	ng/ul	99
77) Fluoranthene	19.54	202	3199344m	382.49	ng/ul	
80) Pyrene	19.90	202	2444124	242.44	ng/ul#	90
83) Benzo(a)anthracene	21.72	228	769624	79.19	ng/ul	95
85) Chrysene	21.79	228	630866	68.92	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	373770	38.40	ng/ul	95
89) Benzo(k)fluoranthene	23.97	252	373770	40.01	ng/ul	98
91) Benzo(a)pyrene	24.85	252	216716	23.49	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.72	276	37709	3.43	ng/ul	93
93) Dibenzo(a,h)anthracene	28.76	278	9375	1.03	ng/ul#	89
94) Benzo(a,h,i)perylene	29.89	276	52848	5.87	ng/ul	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

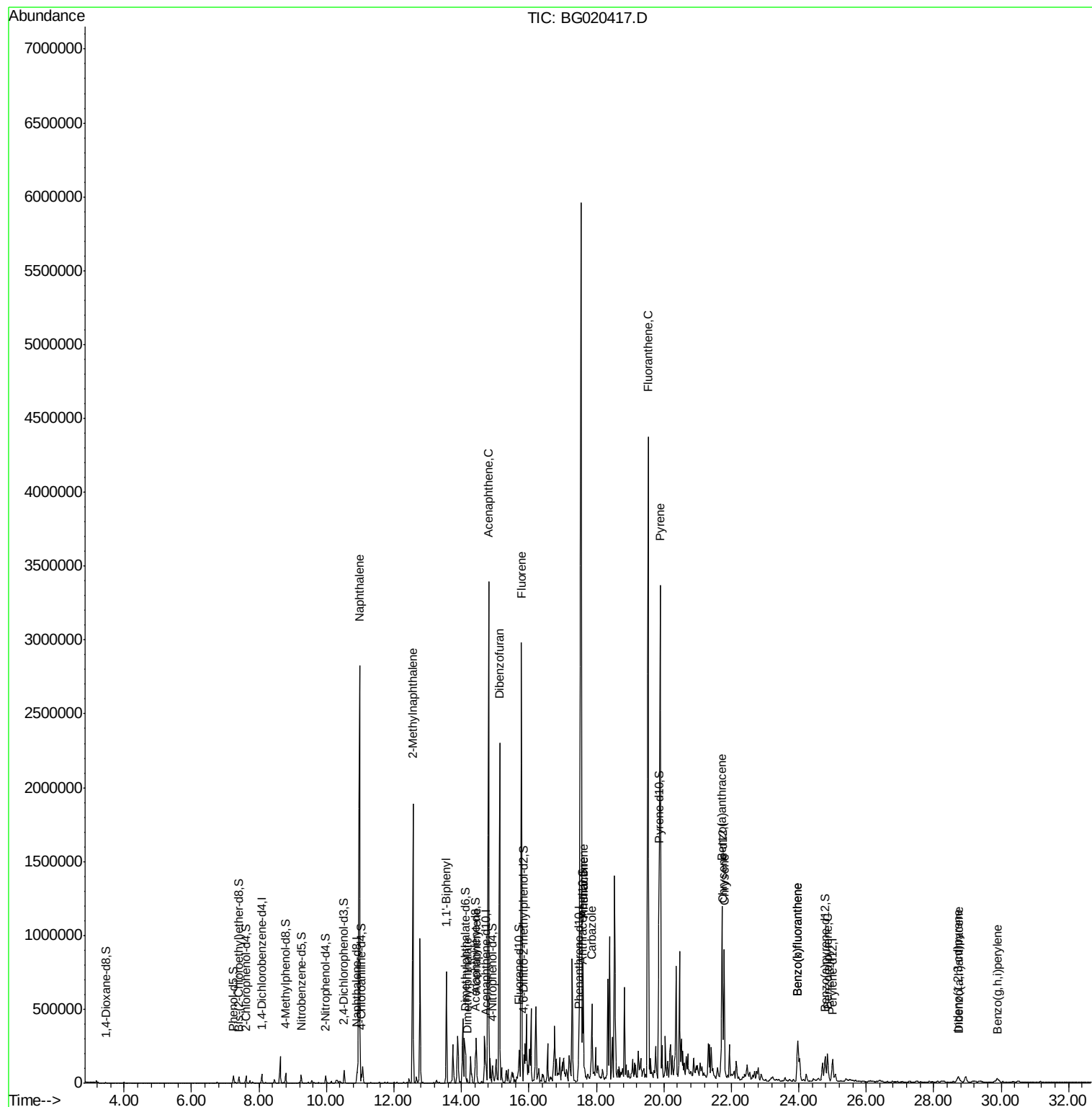
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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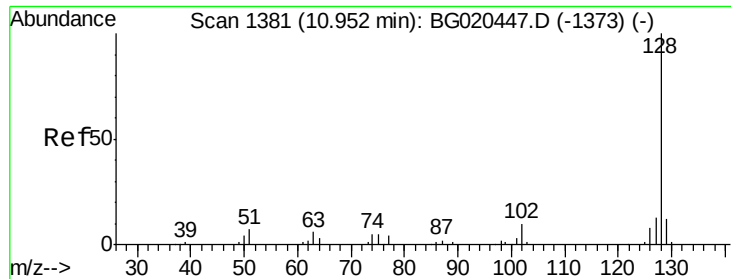
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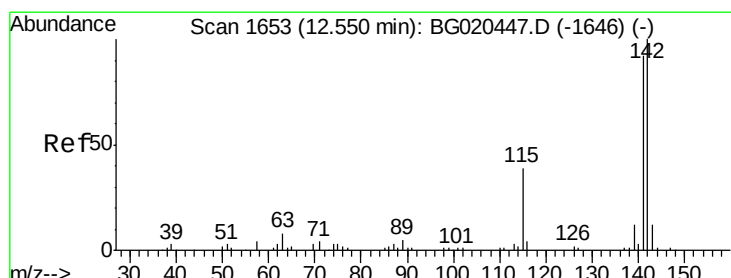
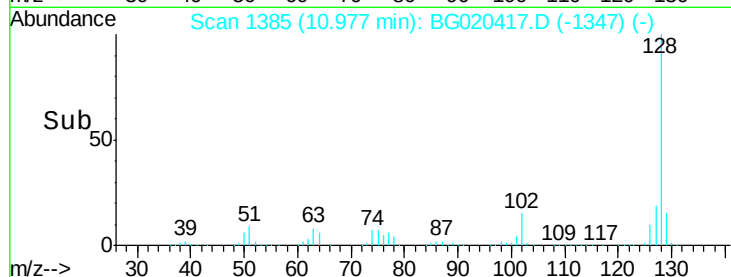
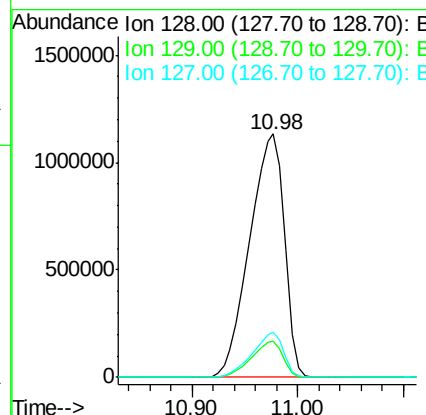
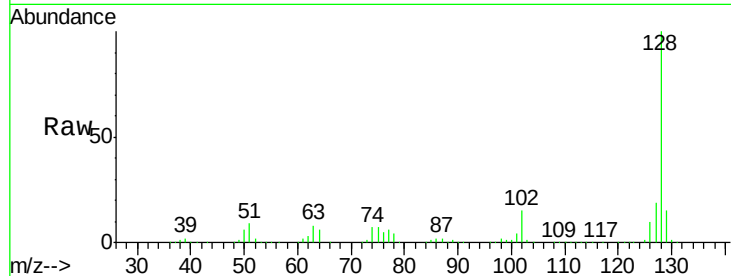
#28
Naphthalene
Concen: 610.61 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. 0.02 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Instrument :
BNA_G
ClientSampleId :
D9N37ME

Tot Ion:128 Resp: 2587149
Ion Ratio Lower Upper
128 100
129 14.9 8.6 12.8#
127 18.6 10.1 15.1#

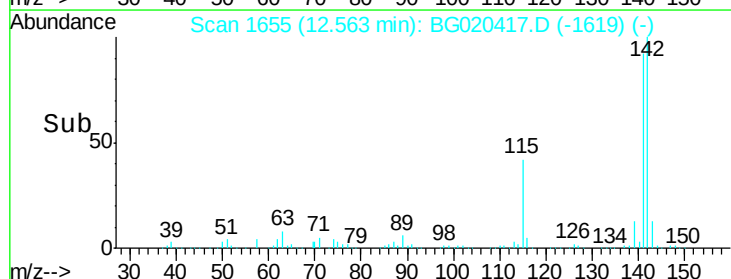
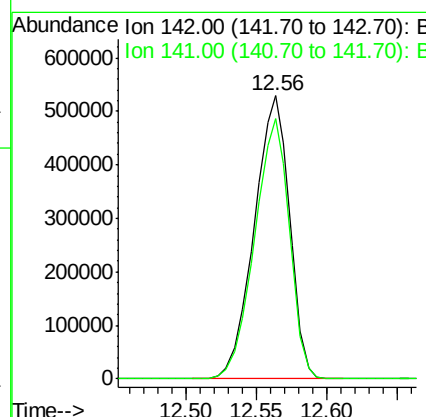
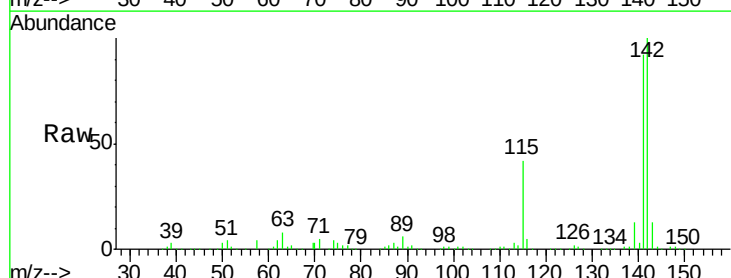
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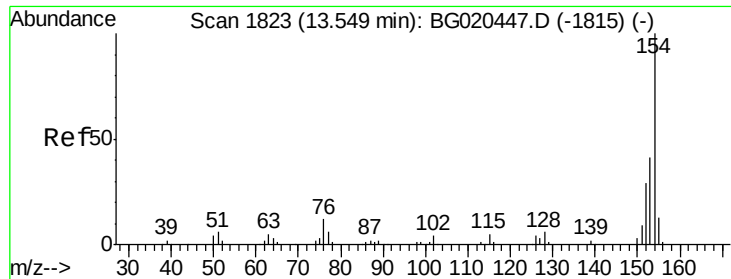
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#34
2-Methylnaphthalene
Concen: 286.68 ng/ul
RT: 12.56 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Tgt Ion:142 Resp: 927818
Ion Ratio Lower Upper
142 100
141 91.8 74.9 112.3





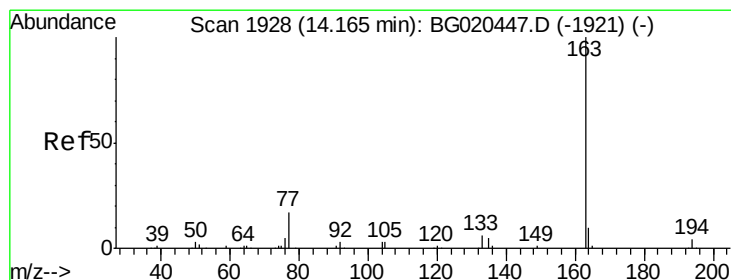
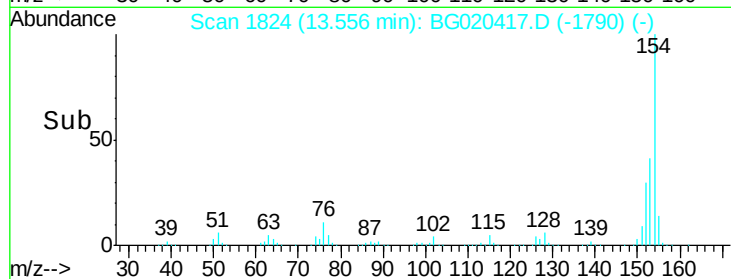
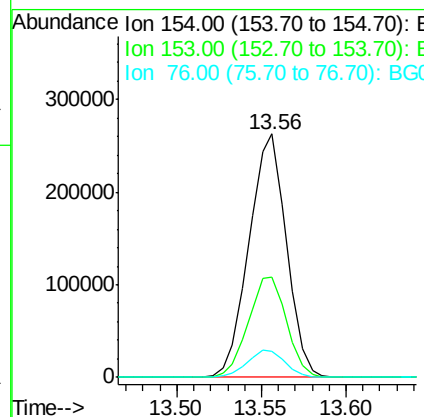
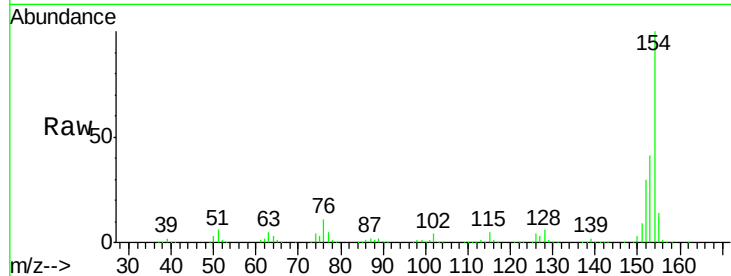
#41
 1,1'-Biphenyl
 Concen: 89.99 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Instrument :
 BNA_G
 ClientSampleId :
 D9N37ME

Tot Ion:	154	Resp:	404559
Ion Ratio	Lower	Upper	
154	100		
153	41.2	35.5	53.3
76	10.9	10.4	15.6

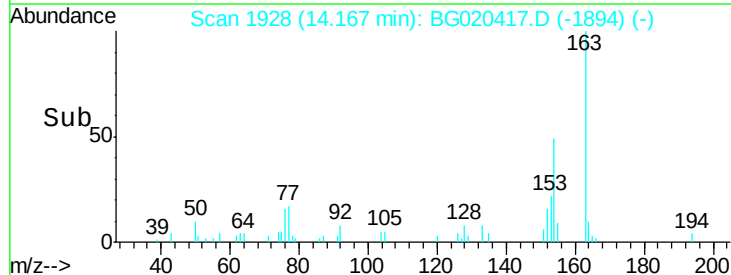
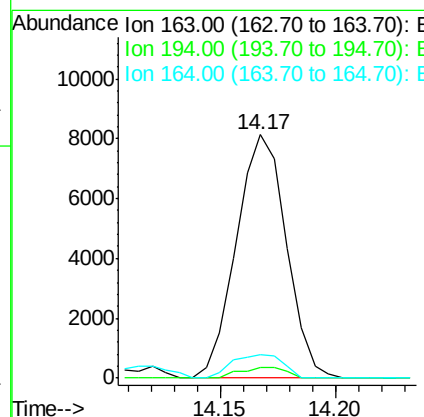
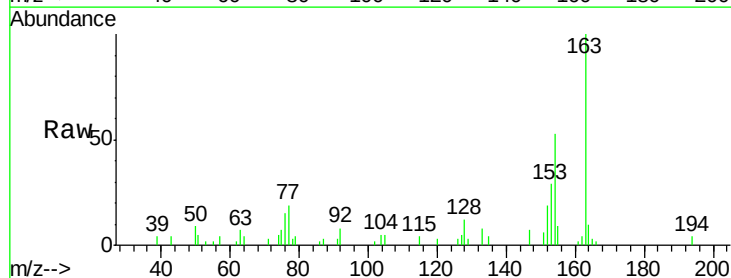
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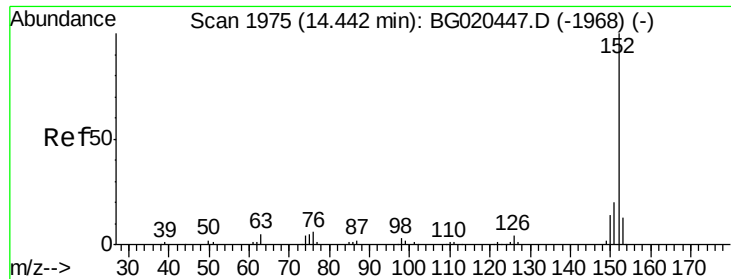
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#45
 Dimethylphthalate
 Concen: 2.49 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Tgt Ion:	163	Resp:	12256
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.5	5.3
164	9.8	7.7	11.5





#48

Acenaphthylene

Concen: 25.88 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG020417.D

Acq: 22 Dec 2015 20:12

Instrument :

BNA_G

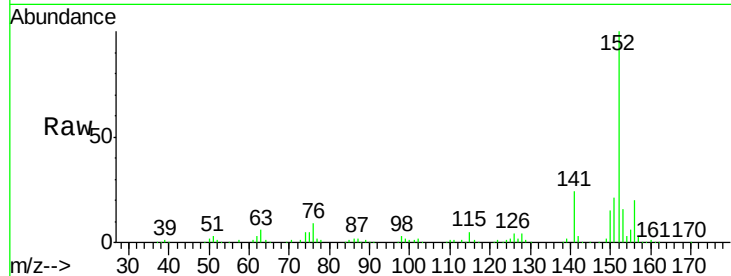
ClientSampleId :

D9N37ME

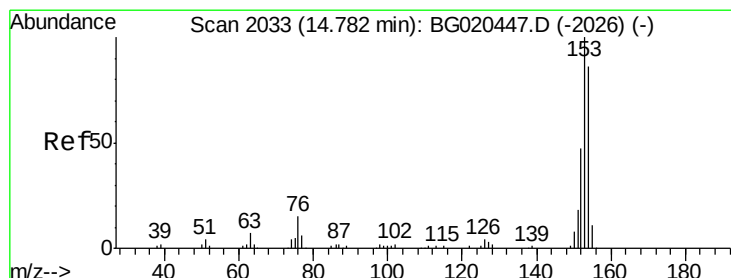
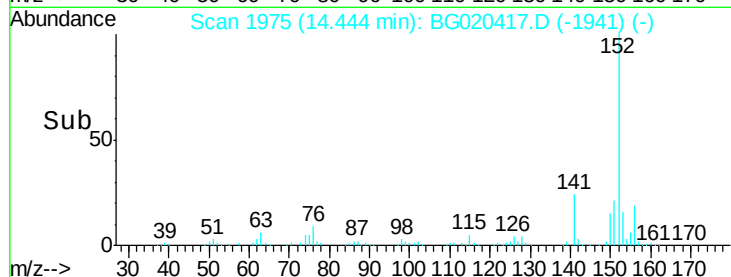
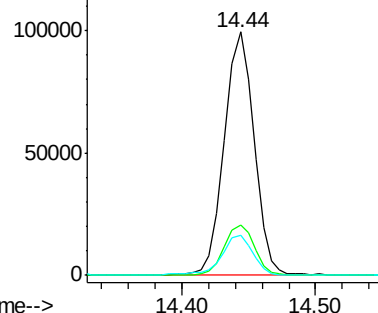
Tot Ion:	152	Resp:	154169
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.4	24.6
153	16.4	10.4	15.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 394.86 ng/ul

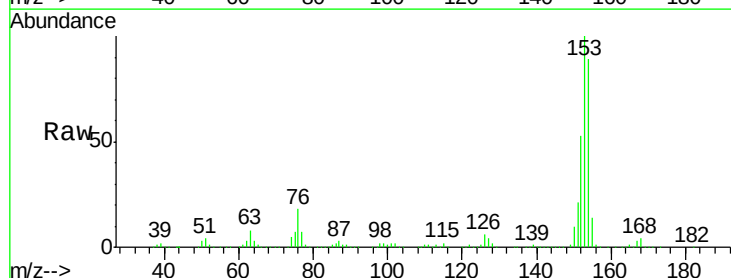
RT: 14.80 min Scan# 2036

Delta R.T. 0.02 min

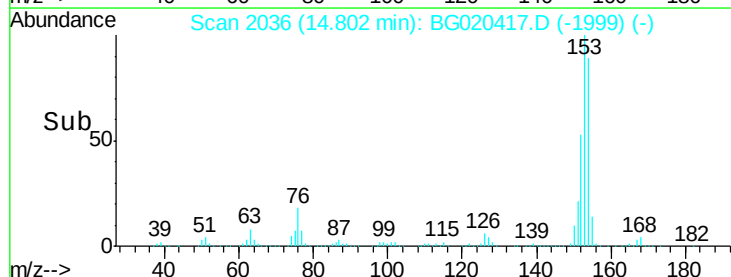
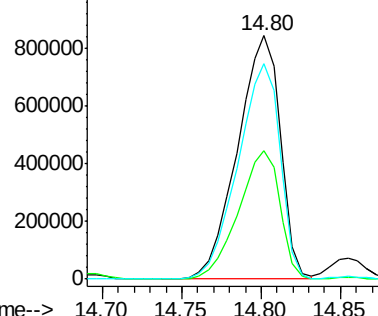
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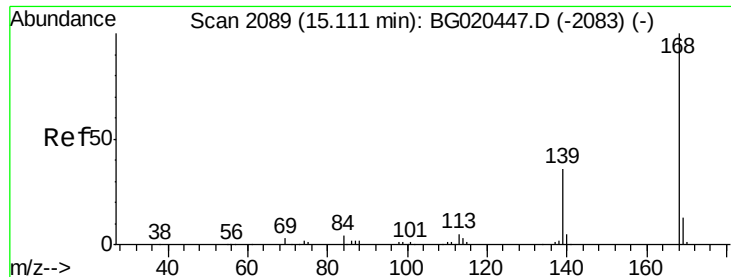
Acq: 22 Dec 2015 20:12

Tgt Ion:	153	Resp:	1582795
Ion Ratio	Lower	Upper	
153	100		
152	52.9	37.6	56.4
154	88.6	67.9	101.9



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





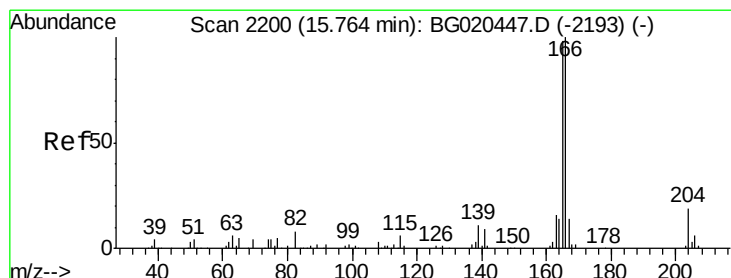
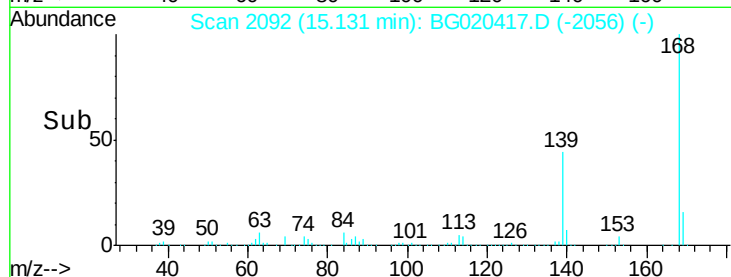
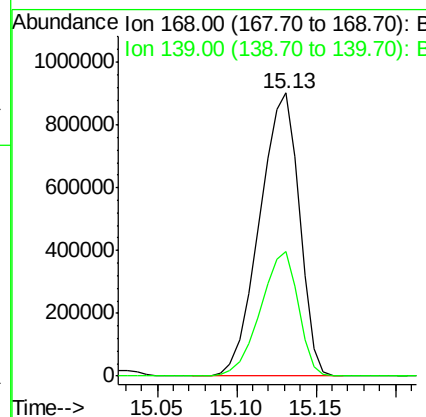
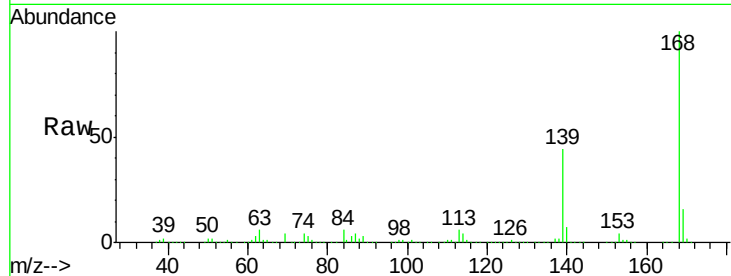
#54
Dibenzenofuran
Concen: 262.93 ng/ul
RT: 15.13 min Scan# 2092
Delta R.T. 0.01 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Instrument :
BNA_G
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Tot Ion:168 Resp: 1567839
Ion Ratio Lower Upper
168 100
139 44.1 30.5 45.7

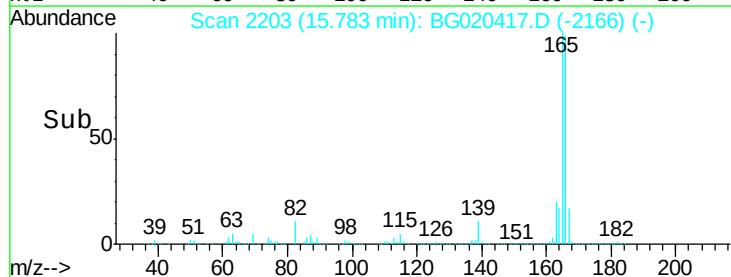
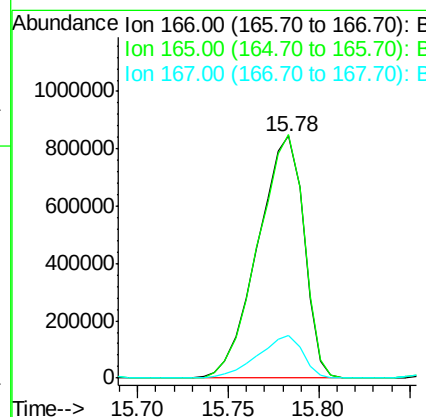
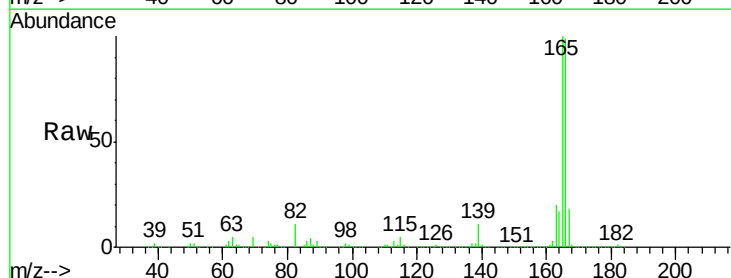
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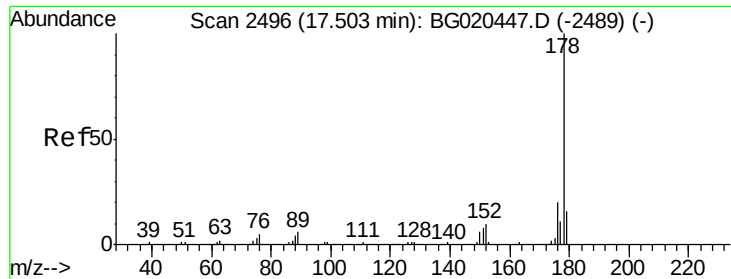
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#59
Fluorene
Concen: 310.55 ng/ul
RT: 15.78 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Tgt Ion:166 Resp: 1487066
Ion Ratio Lower Upper
166 100
165 100.6 81.4 122.0
167 17.6 11.2 16.8#





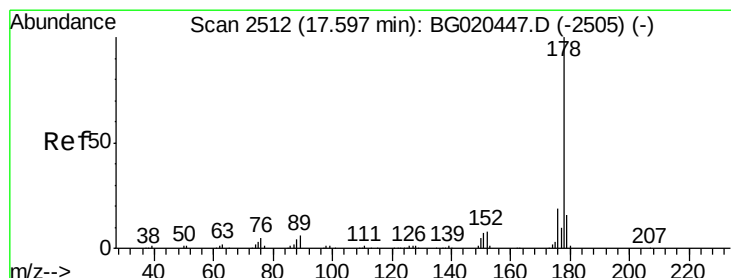
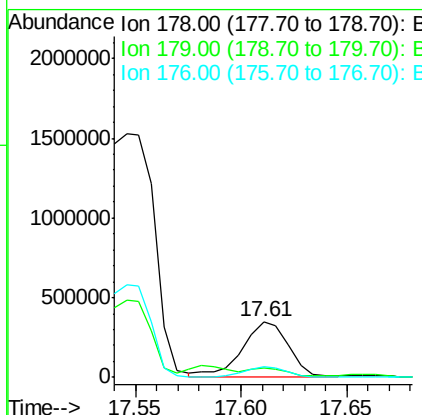
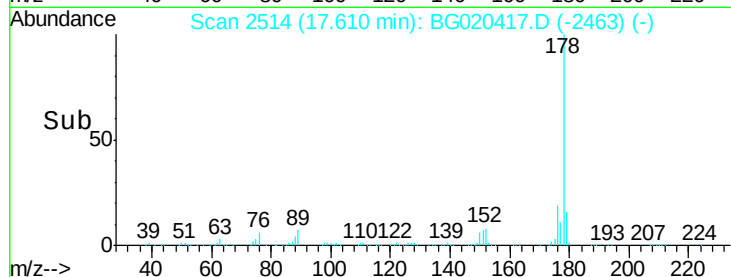
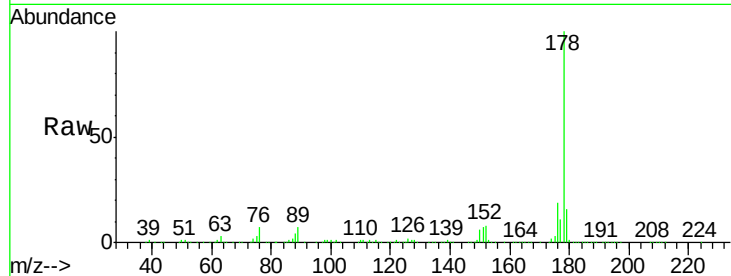
#70
 Phenanthrene
 Concen: 73.68 ng/ul
 RT: 17.61 min Scan# 2514
 Delta R.T. 0.10 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Instrument :
 BNA_G
 ClientSampleId :
 D9N37ME

Tot Ion:	178	Resp:	527320
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.9	19.3
176	19.3	15.3	22.9

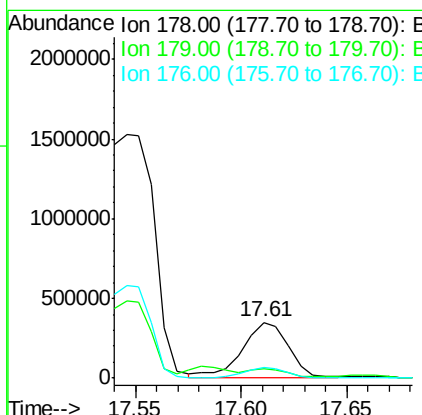
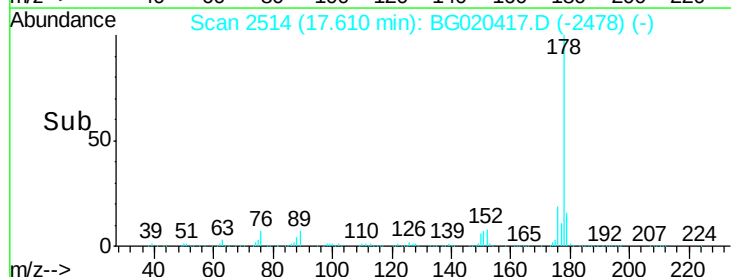
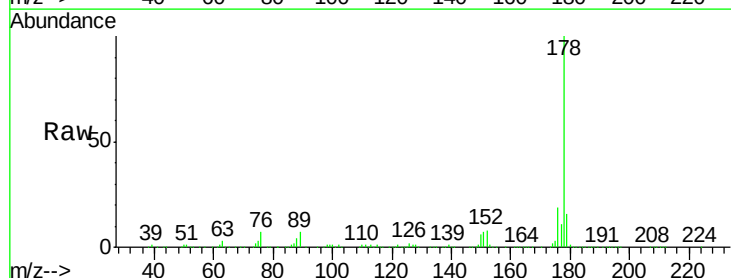
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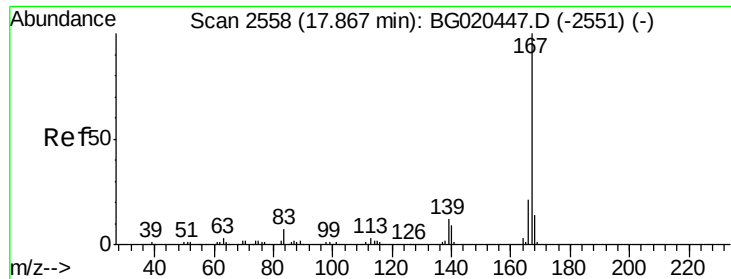
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#72
 Anthracene
 Concen: 72.64 ng/ul
 RT: 17.61 min Scan# 2514
 Delta R.T. 0.01 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Tgt Ion:	178	Resp:	527320
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.3	18.5
176	19.3	14.3	21.5





#75

Carbazole

Concen: 53.20 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020417.D

Acq: 22 Dec 2015 20:12

Instrument :

BNA_G

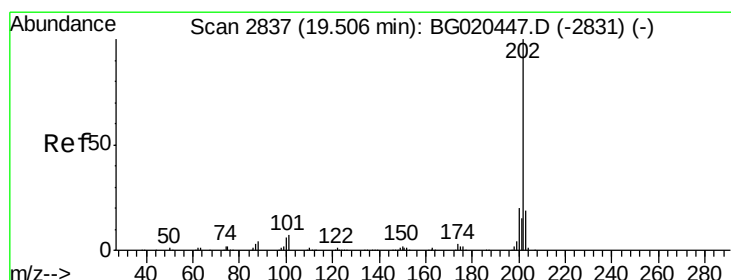
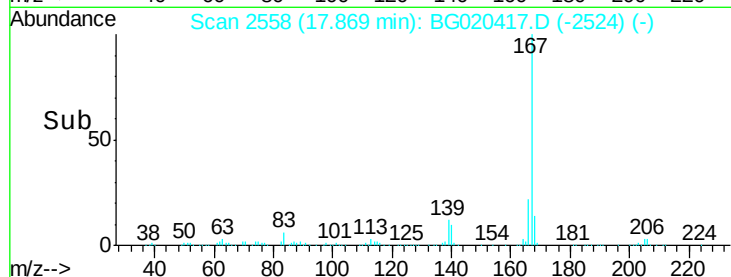
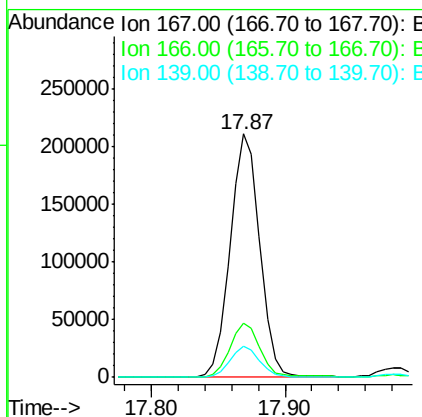
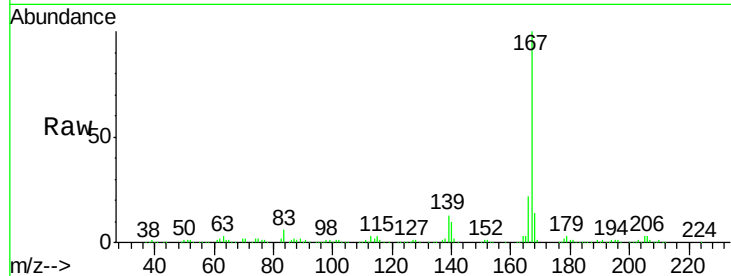
ClientSampleId :

D9N37ME

Tot Ion:	167	Resp:	324502
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.0	25.6
139	12.6	10.1	15.1

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#77

Fluoranthene

Concen: 382.49 ng/ul m

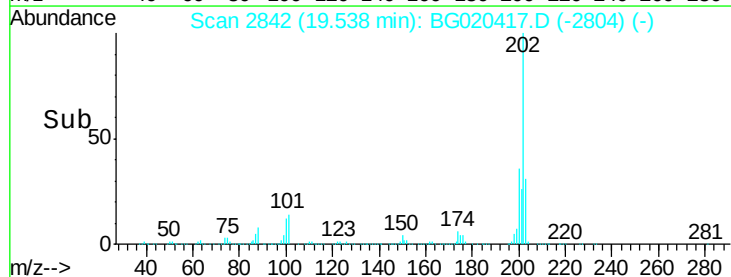
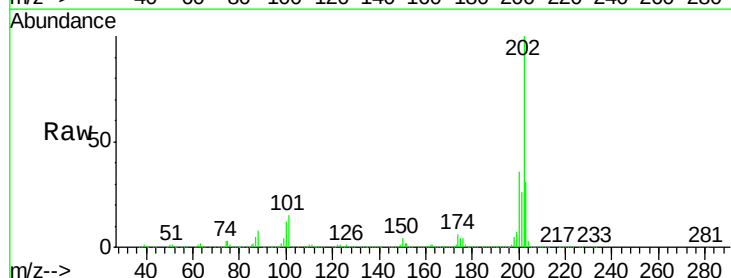
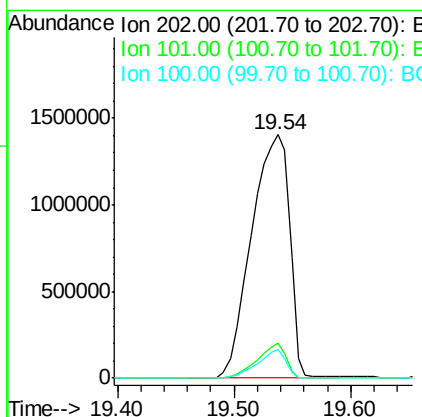
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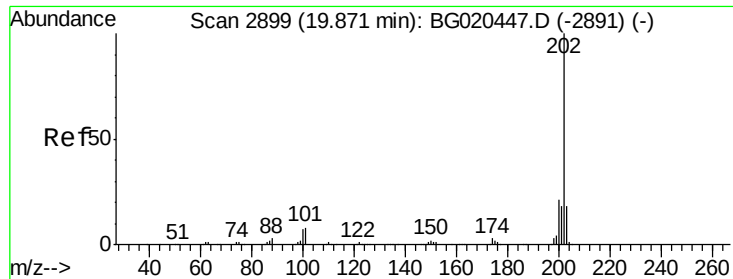
Delta R.T. 0.02 min

Lab File: BG020417.D

Acq: 22 Dec 2015 20:12

Tgt Ion:	202	Resp:	3199344
Ion Ratio	Lower	Upper	
202	100		
101	14.5	6.2	9.4#
100	11.5	5.1	7.7#





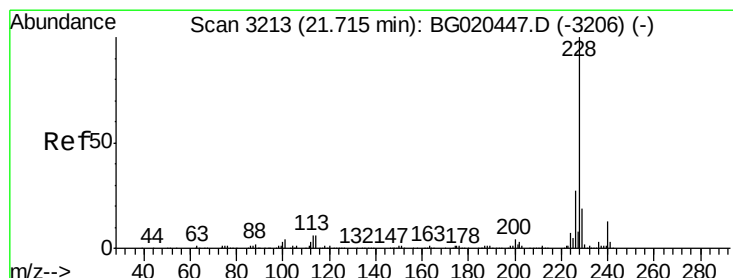
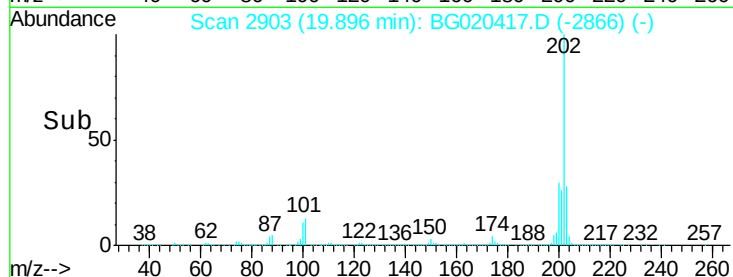
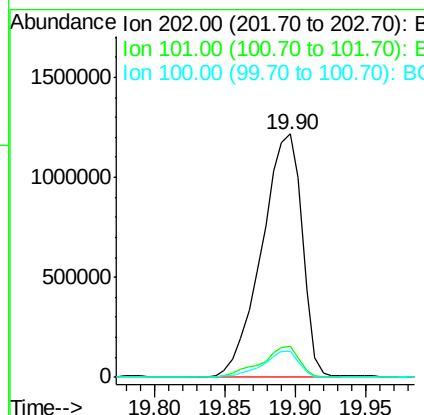
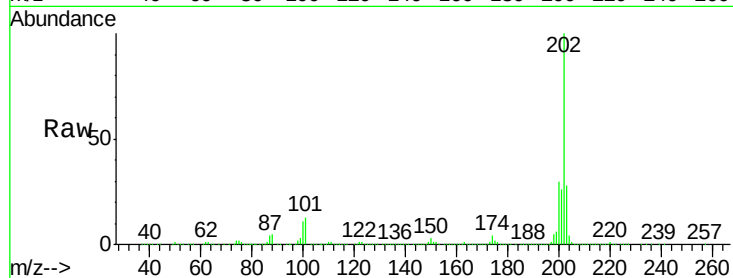
#80
Pvrene
Concen: 242.44 ng/ul
RT: 19.90 min Scan# 2903
Delta R.T. 0.02 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Instrument :
BNA_G
ClientSampleId :
D9N37ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	7.0	10.4#
100	10.9	6.4	9.6#

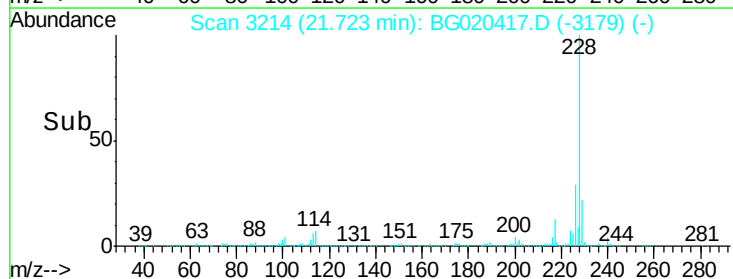
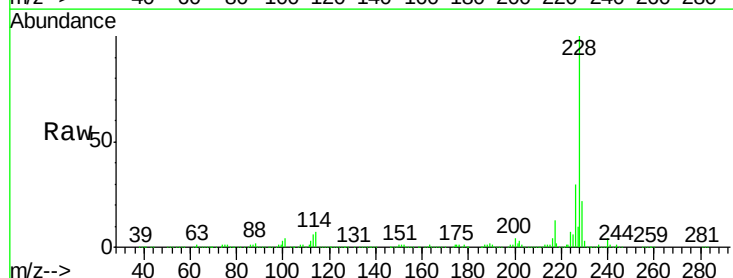
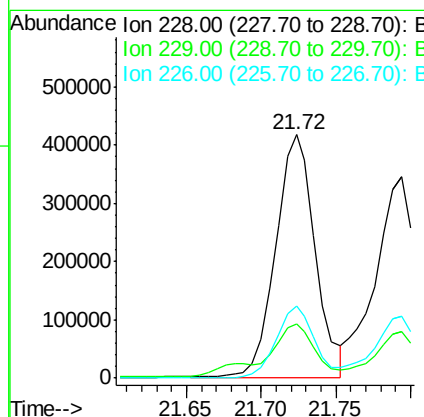
Manual Integrations
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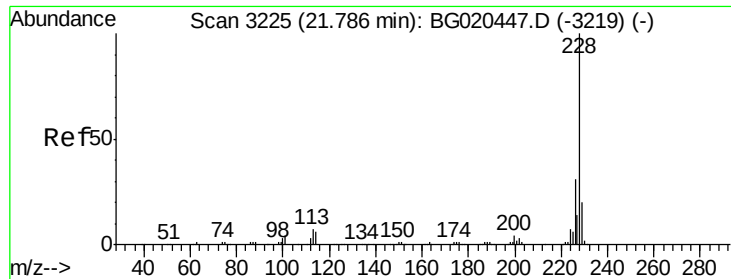
Sohil
12/24/2015 5:33:49 PM



#83
Benzo(a)anthracene
Concen: 79.19 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.8	23.8
226	29.5	21.8	32.6





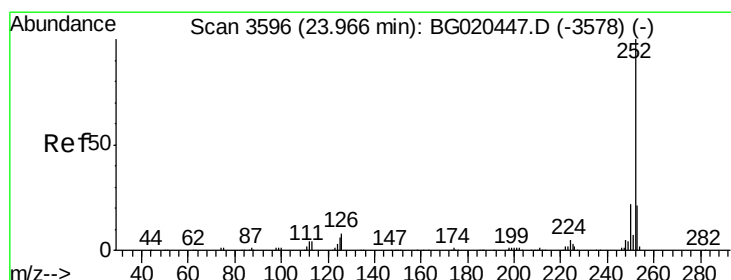
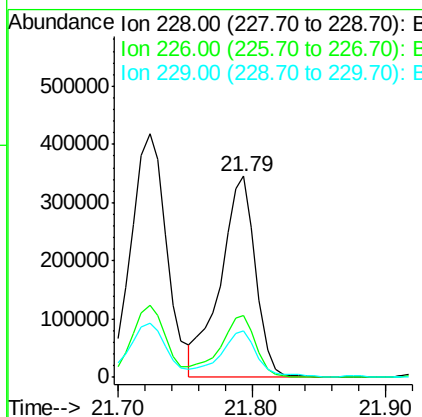
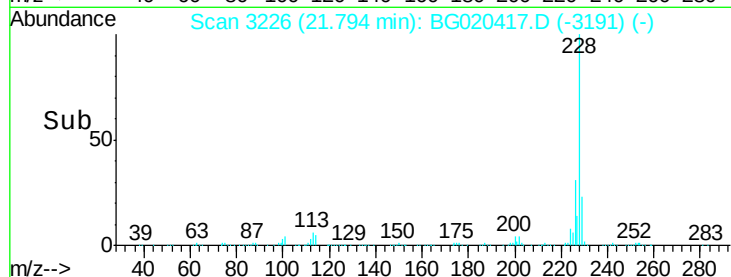
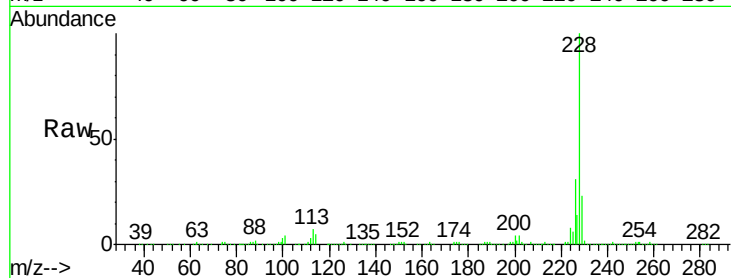
#85
 Chrysene
 Concen: 68.92 ng/ul
 RT: 21.79 min Scan# 3226
 Delta R.T. 0.01 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Instrument :
 BNA_G
 ClientSampleID :
 D9N37ME

Tot Ion:	228	Resp:	630866
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.9	35.9
229	23.3	15.6	23.4

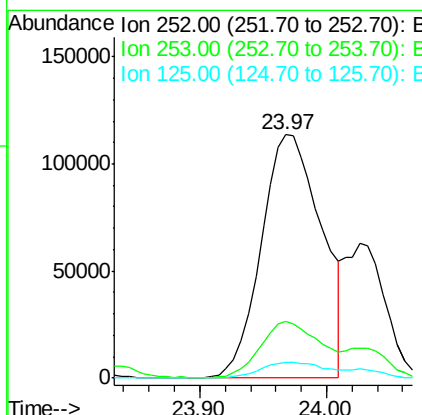
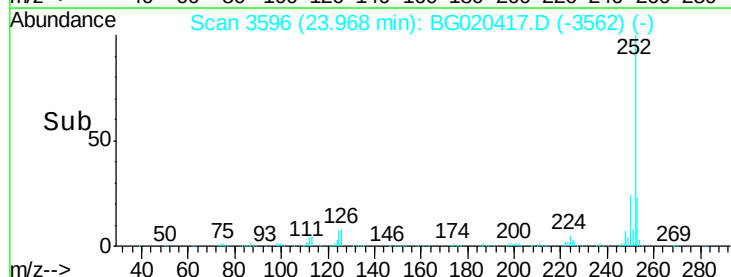
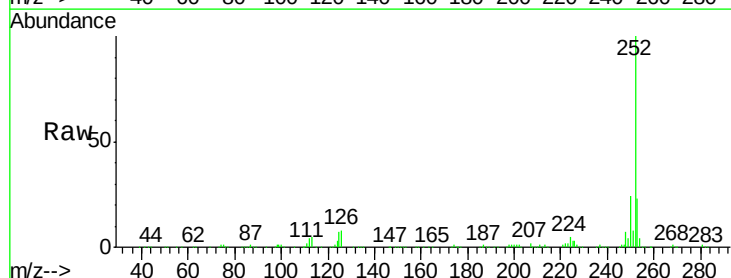
Manual Integrations
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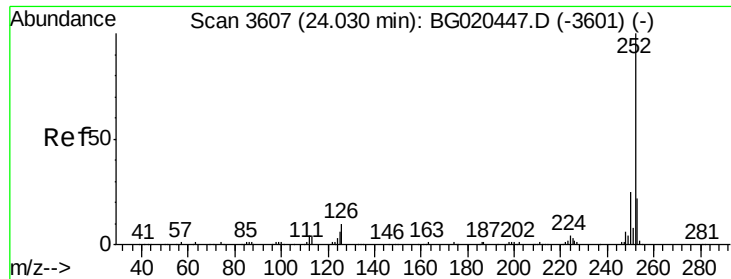
Sohil
 12/24/2015 5:33:49 PM



#88
 Benzo(b)fluoranthene
 Concen: 38.40 ng/ul
 RT: 23.97 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Tgt Ion:	252	Resp:	373770
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.7	25.1
125	6.6	6.2	9.2





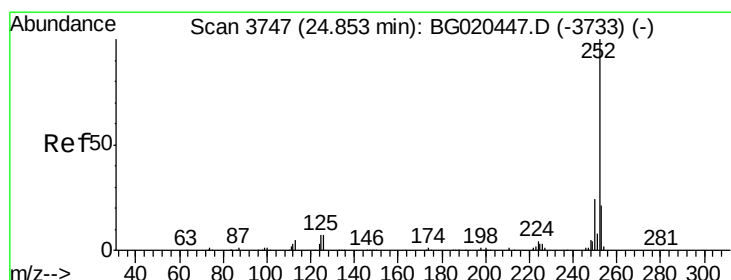
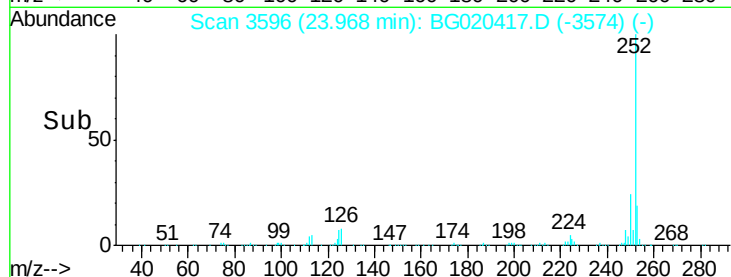
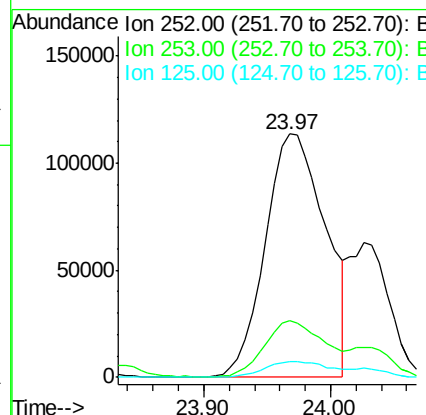
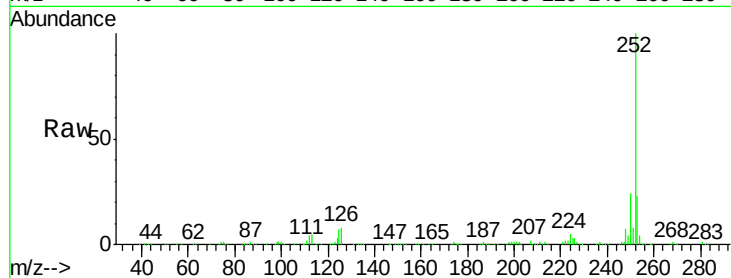
#89
Benzo(k)fluoranthene
Concen: 40.01 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.07 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Instrument :
BNA_G
ClientSampleId :
D9N37ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	6.6	5.8	8.6

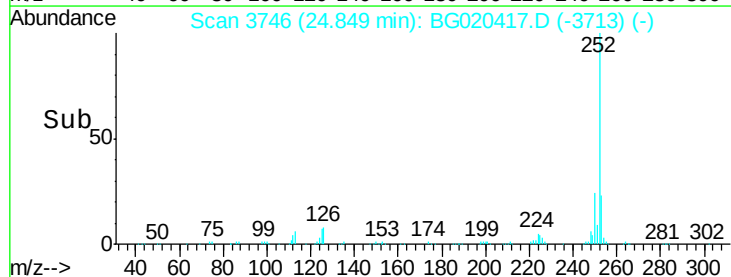
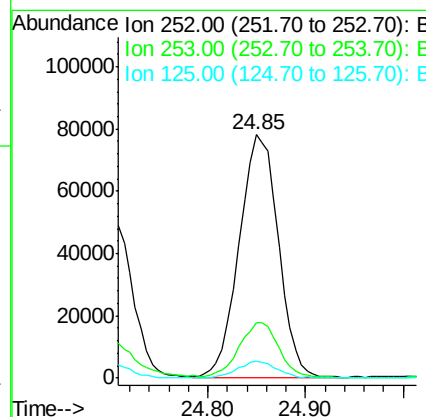
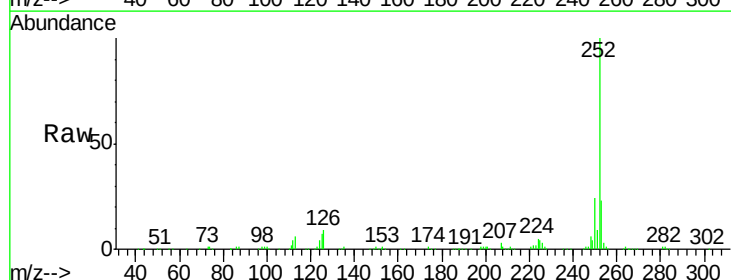
Manual Integrations
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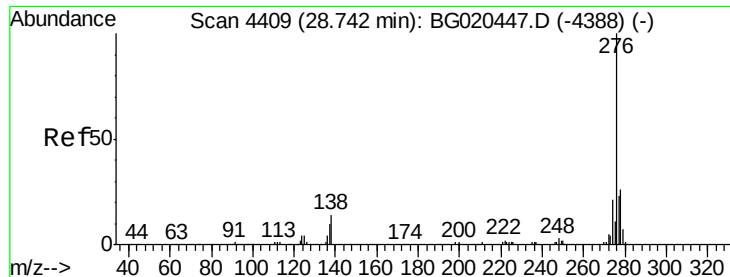
Sohil
12/24/2015 5:33:49 PM



#91
Benzo(a)pyrene
Concen: 23.49 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.00 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	7.1	6.2	9.4





#92

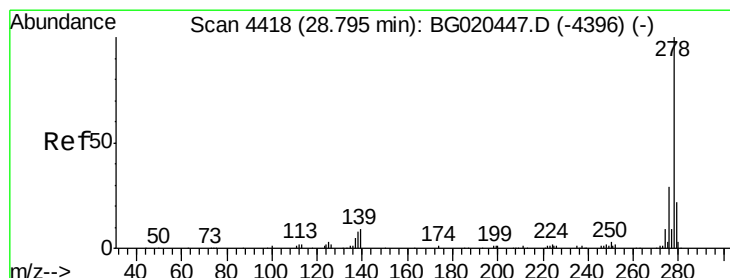
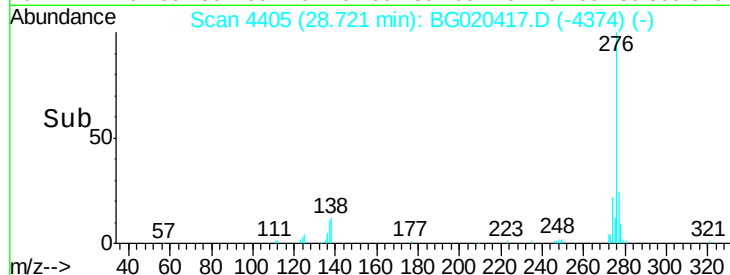
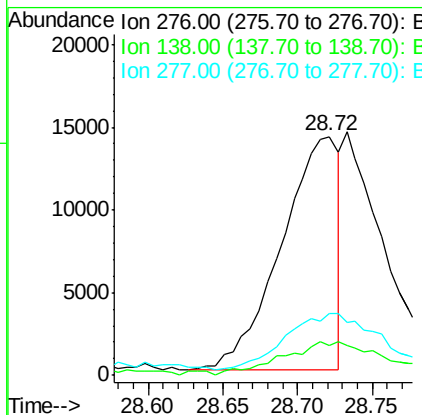
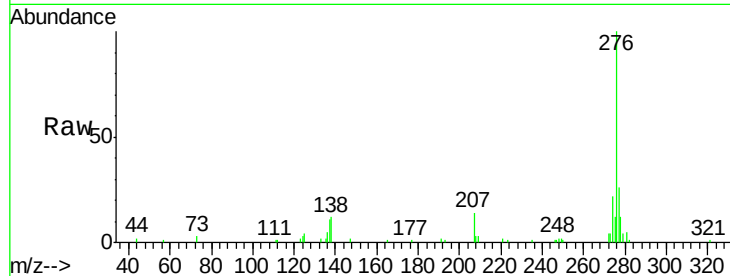
Indeno(1,2,3-cd)pyrene
Concen: 3.43 ng/ul
RT: 28.72 min Scan# 4405
Delta R.T. -0.02 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Instrument :
BNA_G
ClientSampleId :
D9N37ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.3	11.4	17.0
277	25.8	17.4	26.0

Manual Integrations
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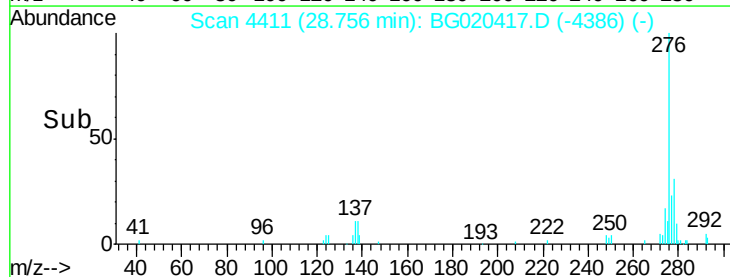
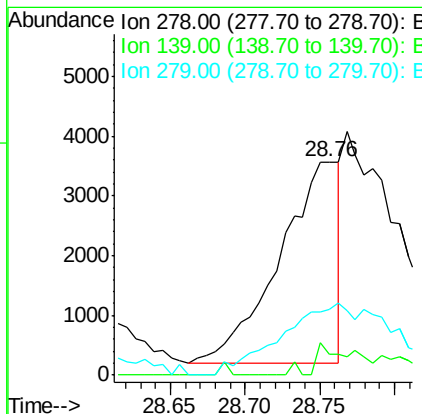
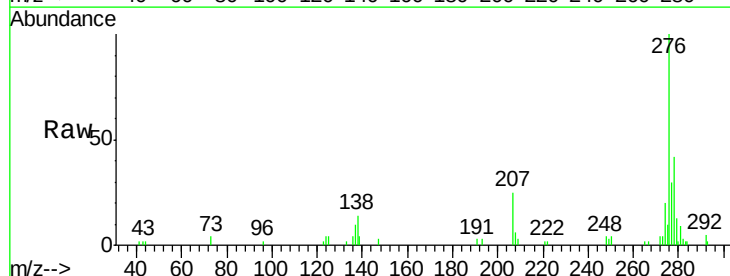
Sohil
12/24/2015 5:33:49 PM

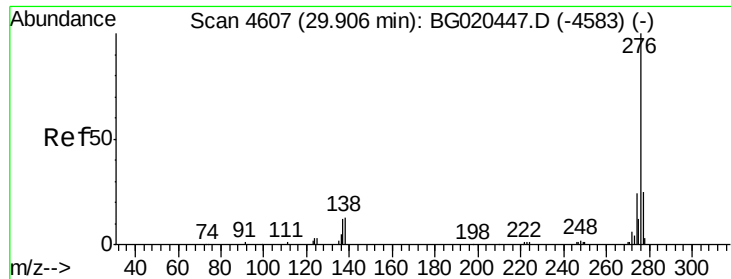


#93

Dibenzo(a,h)anthracene
Concen: 1.03 ng/ul
RT: 28.76 min Scan# 4411
Delta R.T. -0.05 min
Lab File: BG020417.D
Acq: 22 Dec 2015 20:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.8	9.4	14.2
279	30.8	19.4	29.0





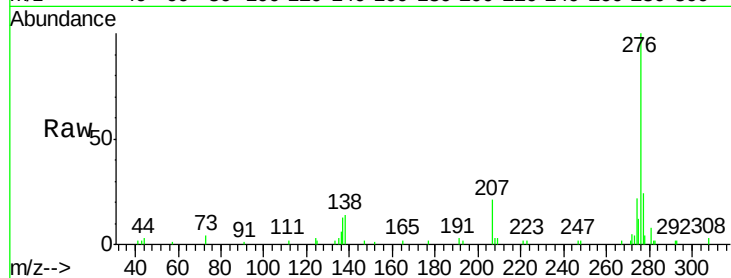
#94
 Benzo(a,h,i)perylene
 Concen: 5.87 ng/ul
 RT: 29.89 min Scan# 4604
 Delta R.T. -0.02 min
 Lab File: BG020417.D
 Acq: 22 Dec 2015 20:12

Instrument :
 BNA_G
 ClientSampleId :
 D9N37ME

Tot Ion:	276	Resp:	52848
Ion Ratio		Lower	Upper
276	100		
138	13.7	10.8	16.2
277	23.9	19.9	29.9

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:33:49 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

