

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
 Data File : BG019737.D
 Acq On : 21 Nov 2015 2:34
 Operator : UM/NP
 Sample : G4428-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7B4

Manual Integrations
 APPROVED

Mmdadoda
 11/22/2015 5:51:21 AM

Quant Time: Nov 22 00:01:36 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:06:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	21516	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	98069	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.76	164	82968	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.50	188	228175	20.00	ng/ul	0.00
78) Chrysene-d12	21.77	240	306069	20.00	ng/ul	0.00
86) Perylene-d12	25.08	264	296216	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1635	3.24	ng/uL	0.00
5) Phenol-d5	7.26	99	35687	16.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	23321	16.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	23271	16.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	26254	14.39	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	12199	15.15	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	14636	16.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.56	165	28887	14.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.07	131	17531	9.42	ng/ul	0.00
44) Dimethylphthalate-d6	14.15	166	108173	14.42	ng/ul	0.00
47) Acenaphthylene-d8	14.45	160	95255	11.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.95	143	13609	11.51	ng/ul	0.00
58) Fluorene-d10	15.74	176	76268	11.36	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.86	200	16664	11.31	ng/ul	0.00
71) Anthracene-d10	17.60	188	119443	10.78	ng/ul	0.00
79) Pyrene-d10	19.88	212	137939	9.89	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.85	264	126462	8.18	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.00	128	98100	18.52	ng/ul	99
34) 2-Methylnaphthalene	12.60	142	56807	13.45	ng/ul	97
35) 1-Methylnaphthalene	12.81	142	49120	11.67	ng/ul	94
41) 1,1'-Biphenyl	13.59	154	17853	2.89	ng/ul	95
45) Dimethylphthalate	14.20	163	54642	7.34	ng/ul	96
48) Acenaphthylene	14.48	152	11204	1.38	ng/ul#	70
50) Acenaphthene	14.82	153	126648	22.79	ng/ul	96
54) Dibenzofuran	15.15	168	122156	14.99	ng/ul	99
59) Fluorene	15.80	166	194838	27.35	ng/ul	96
70) Phenanthrene	17.56	178	2553900m	209.14	ng/ul	
72) Anthracene	17.64	178	484165	39.32	ng/ul	99
75) Carbazole	17.90	167	203934	20.63	ng/ul	97
77) Fluoranthene	19.55	202	2361518	151.74	ng/ul#	90
80) Pyrene	19.92	202	2248038	125.76	ng/ul#	94
83) Benzo(a)anthracene	21.76	228	1273607	68.65	ng/ul	95
85) Chrysene	21.83	228	1297696	74.30	ng/ul	96
88) Benzo(b)fluoranthene	24.04	252	1232088	67.50	ng/ul	97
89) Benzo(k)fluoranthene	24.09	252	448295m	25.46	ng/ul	
91) Benzo(a)pyrene	24.92	252	903090m	51.39	ng/ul	
92) Indeno(1,2,3-cd)pyrene	28.86	276	534965	27.20	ng/ul	94
93) Dibenzo(a,h)anthracene	28.89	278	154095	9.53	ng/ul#	89
94) Benzo(a,h,i)perylene	30.04	276	443119	27.16	ng/ul	97

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC7B4

Manual Integrations
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

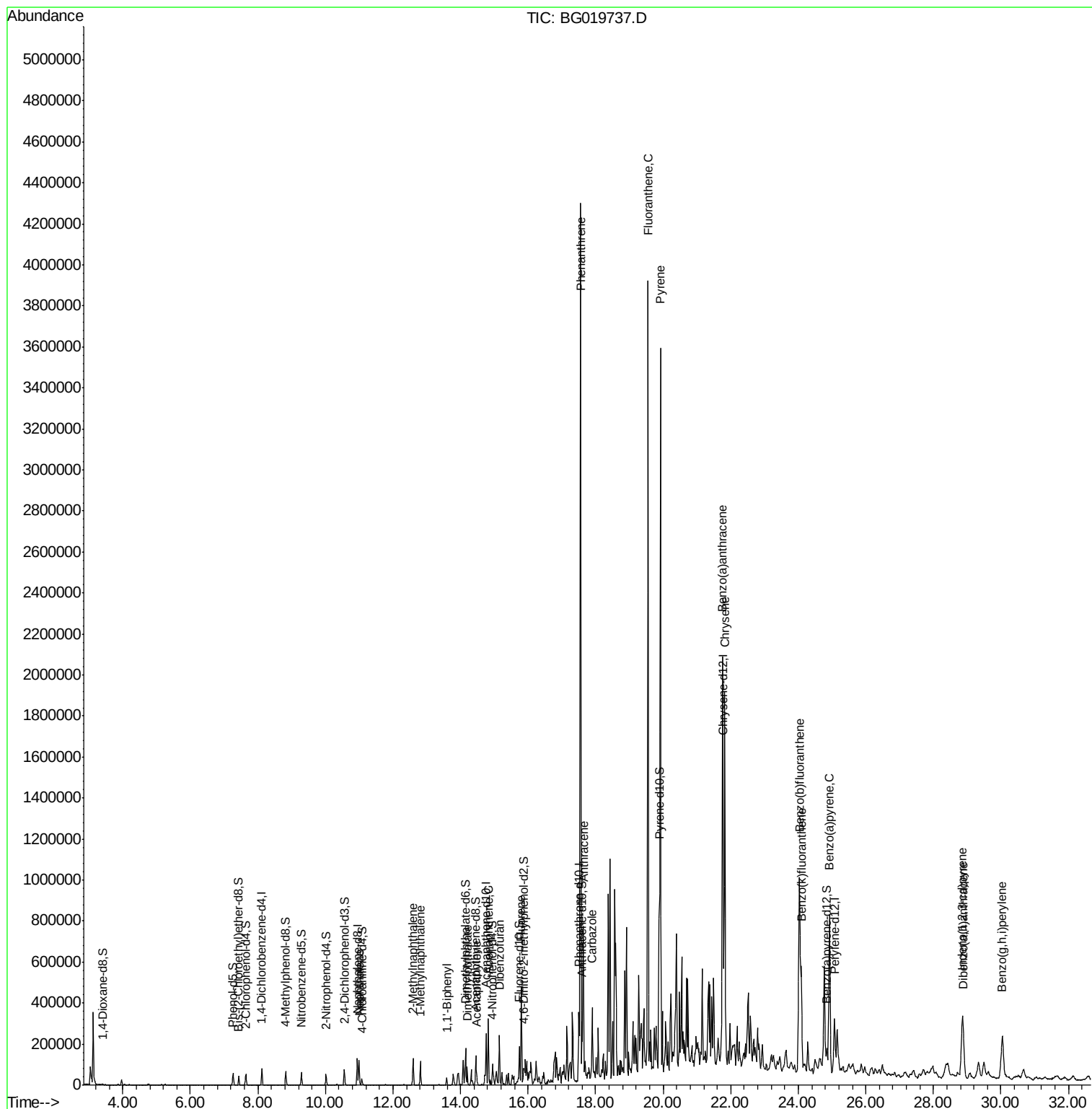
Data Path : Z:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019737.D
Acq On : 21 Nov 2015 2:34
Operator : UM/NP
Sample : G4428-06
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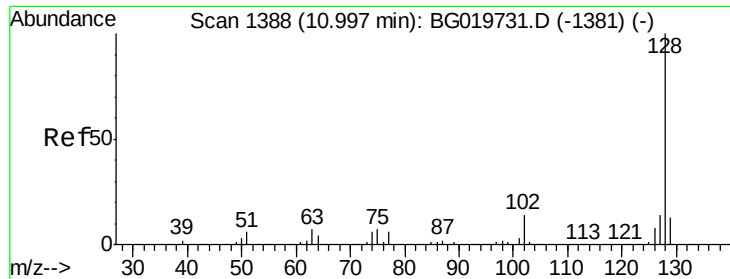
Instrument :
BNA_G
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BC7B4

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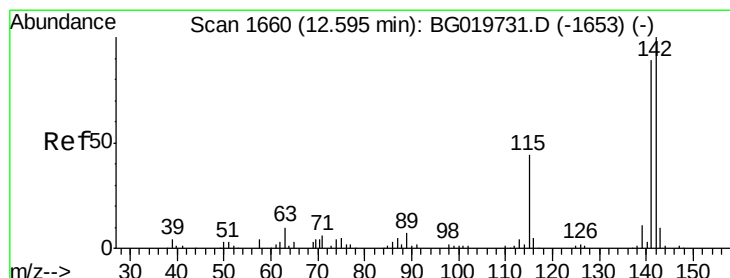
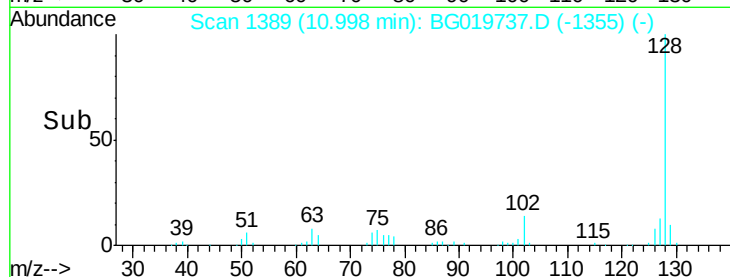
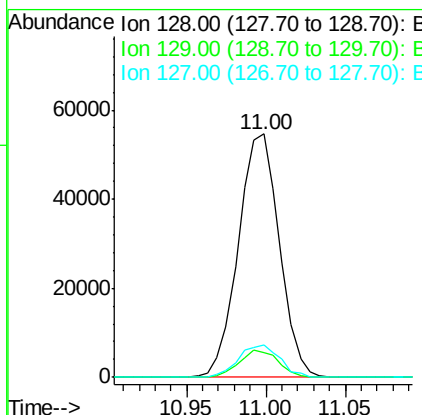
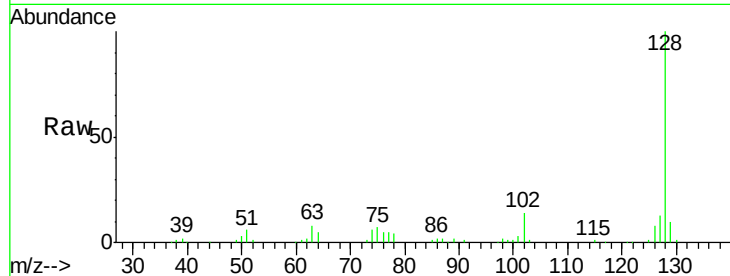
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Naphthalene
Concen: 18.52 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	9.9	8.1	12.1
127	13.3	10.0	15.0

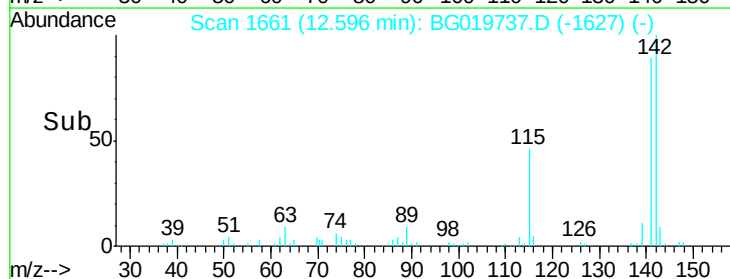
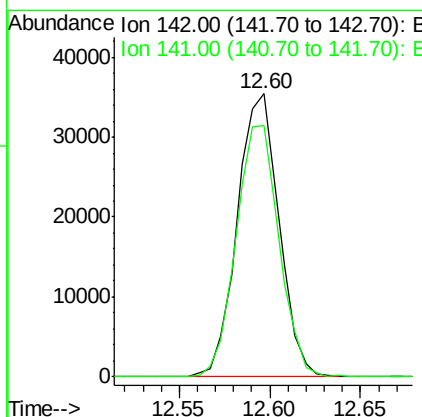
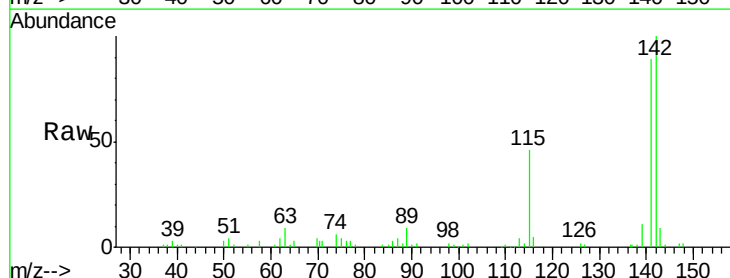
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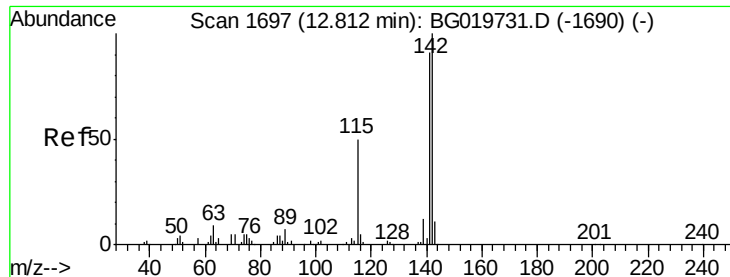
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#34
2-Methylnaphthalene
Concen: 13.45 ng/ul
RT: 12.60 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	88.7	68.8	103.2





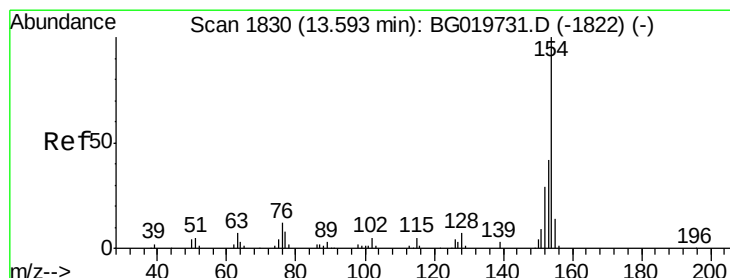
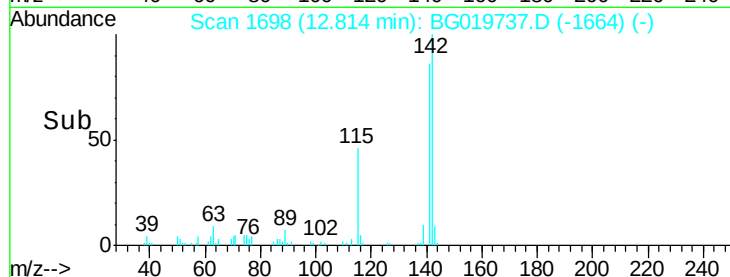
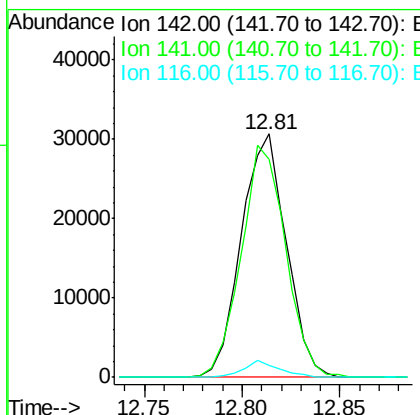
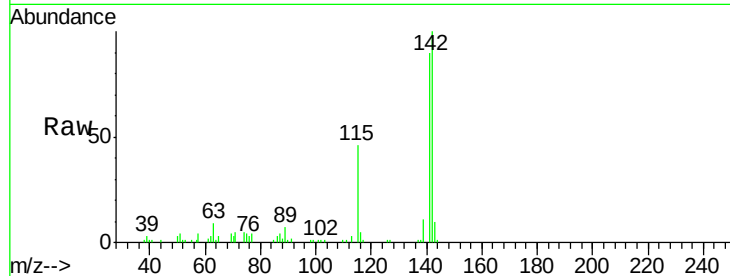
#35
1-Methylnaphthalene
Concen: 11.67 ng/ul
RT: 12.81 min Scan# 1698
Delta R.T. 0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	76.6	114.8
116	4.9	4.1	6.1

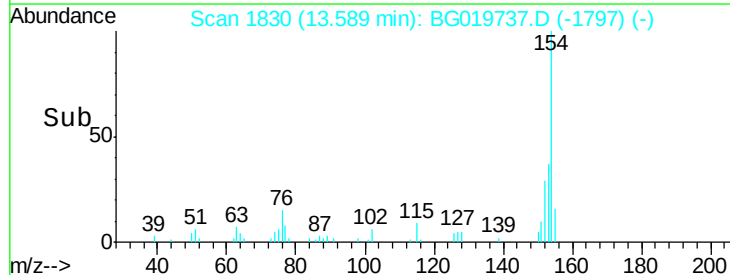
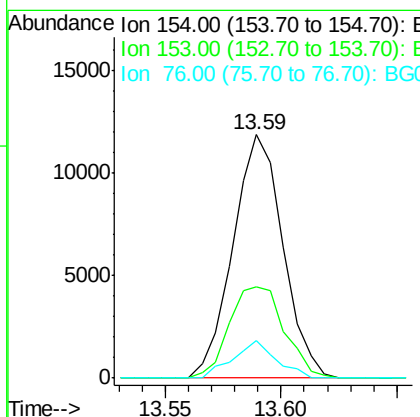
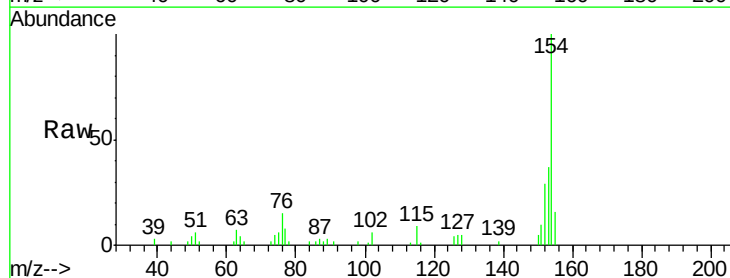
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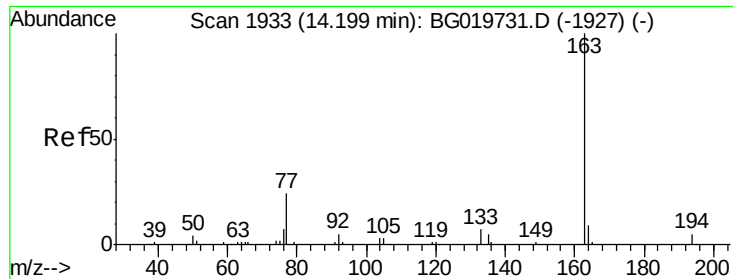
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#41
1,1'-Biphenyl
Concen: 2.89 ng/ul
RT: 13.59 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.2	33.4	50.0
76	15.5	12.1	18.1





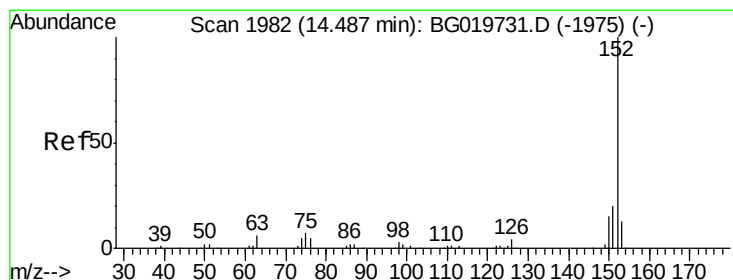
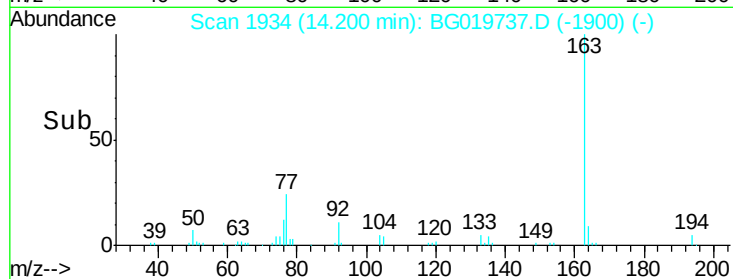
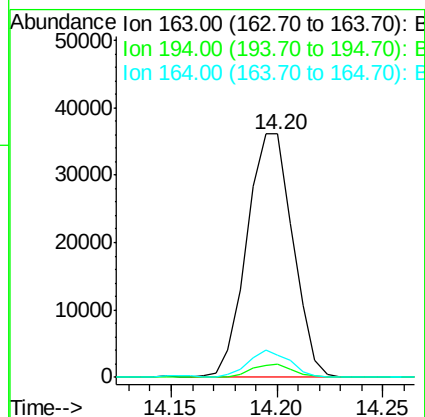
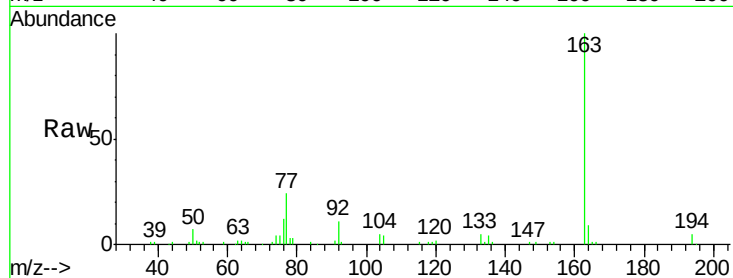
#45
Dimethylphthalate
Concen: 7.34 ng/ul
RT: 14.20 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	54642		
194	5.2		3.5	5.3
164	8.9		8.3	12.5

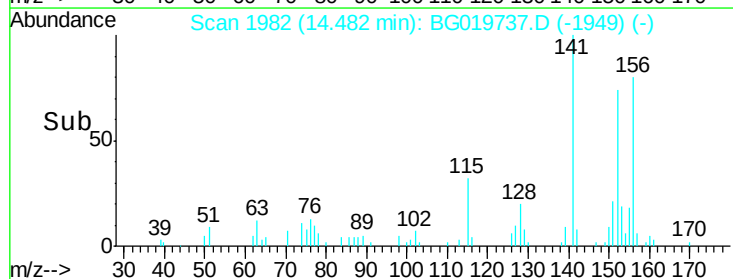
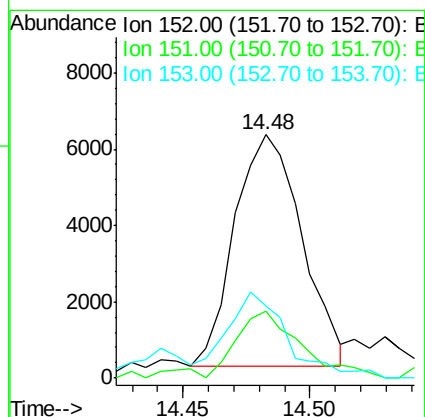
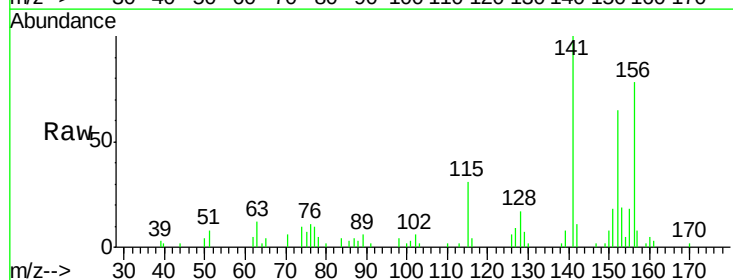
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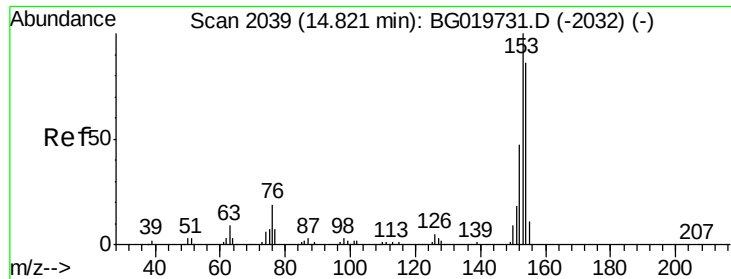
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#48
Acenaphthylene
Concen: 1.38 ng/ul
RT: 14.48 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	11204		
151	27.8		15.1	22.7#
153	29.7		9.8	14.8#





#50

Acenaphthene

Concen: 22.79 ng/ul

RT: 14.82 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_G

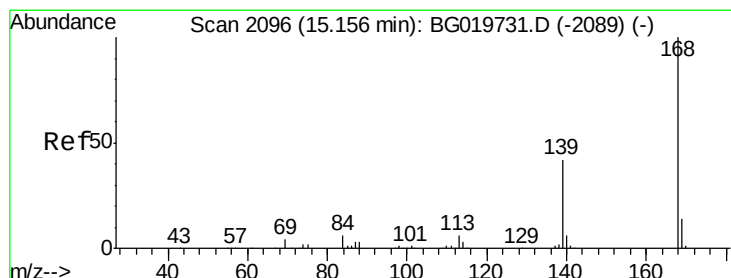
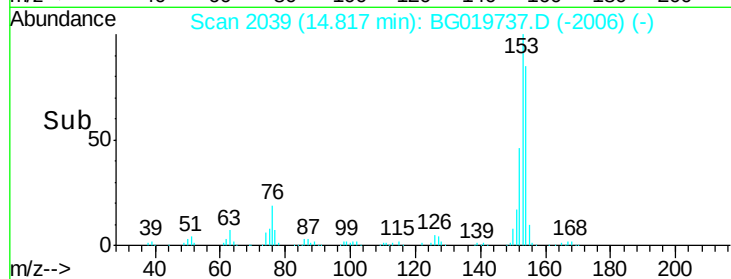
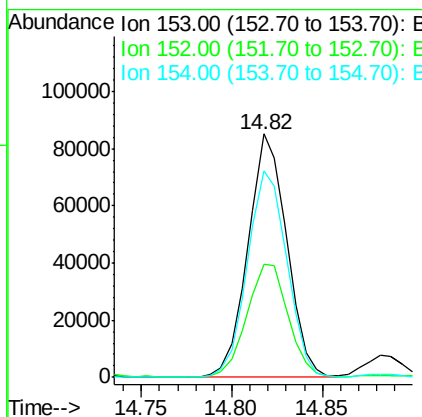
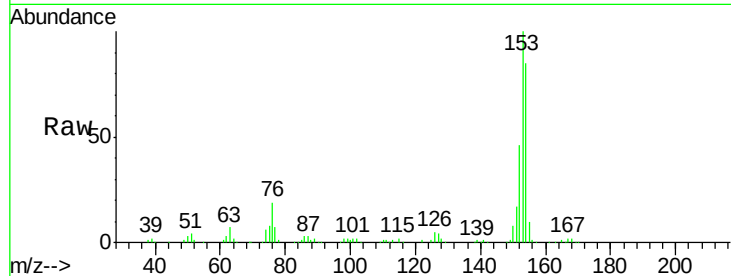
ClientSampleID :

BC7B4

Tot Ion:	153	Resp:	126648
Ion Ratio	Lower	Upper	
153	100		
152	46.2	40.9	61.3
154	85.0	69.1	103.7

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#54

Dibenzofuran

Concen: 14.99 ng/ul

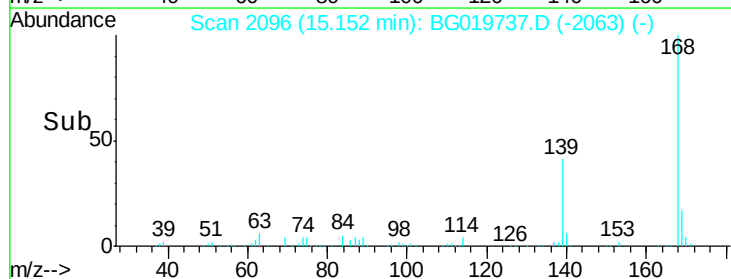
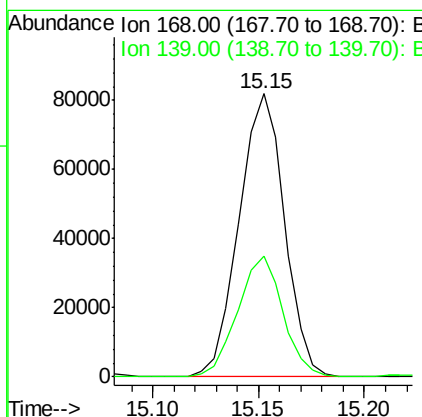
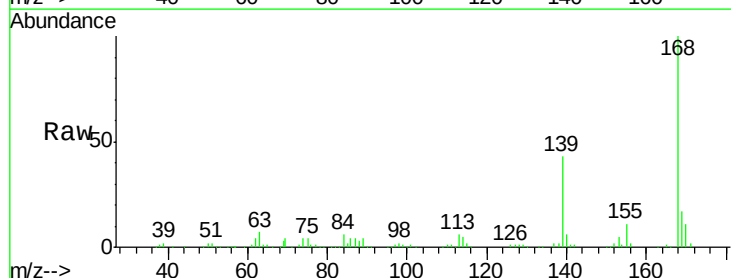
RT: 15.15 min Scan# 2096

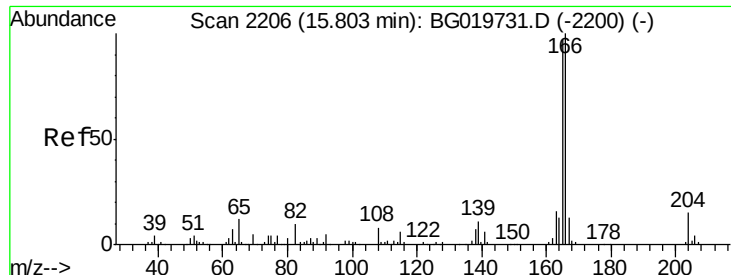
Delta R.T. -0.00 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Tgt Ion:	168	Resp:	122156
Ion Ratio	Lower	Upper	
168	100		
139	42.5	34.7	52.1





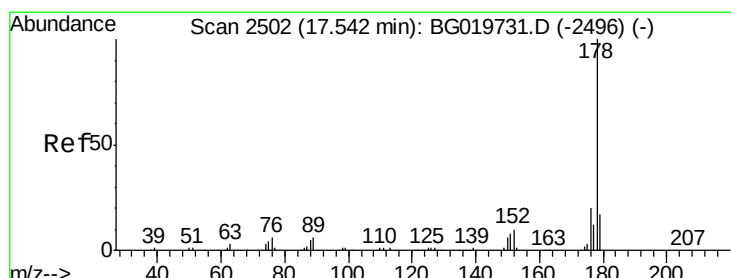
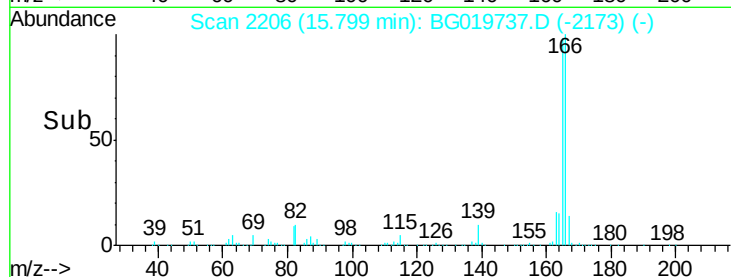
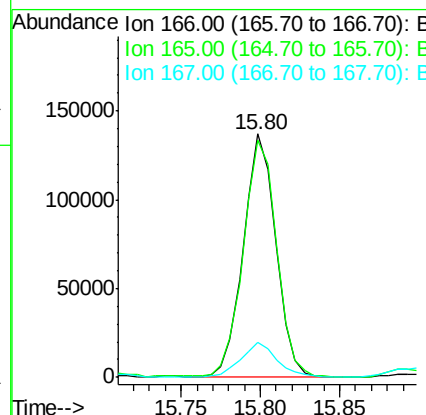
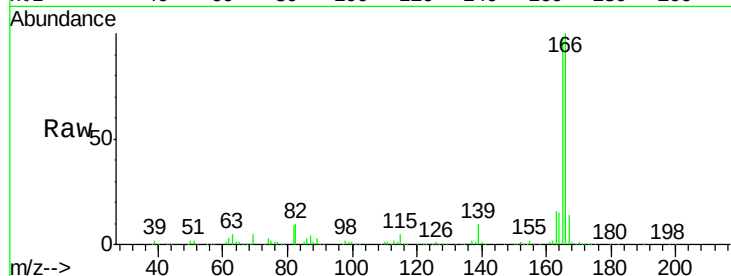
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Fluorene
Concen: 27.35 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Resp	Lower	Upper
166	100	194838		
165	97.7	81.4	122.2	
167	14.3	11.1	16.7	

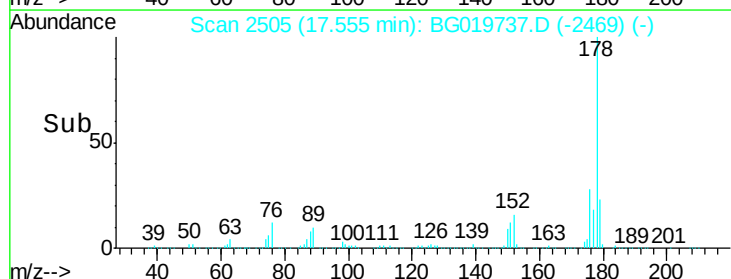
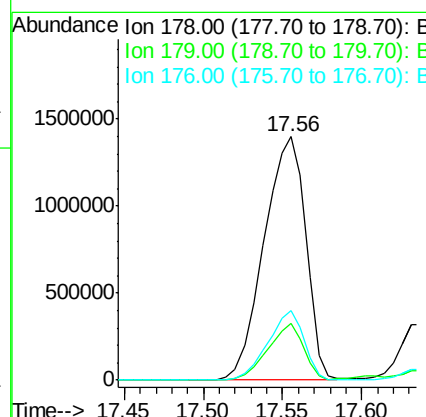
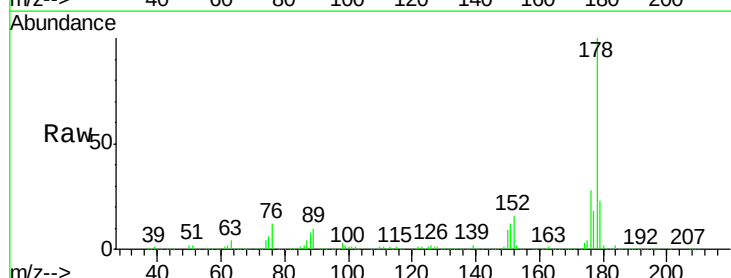
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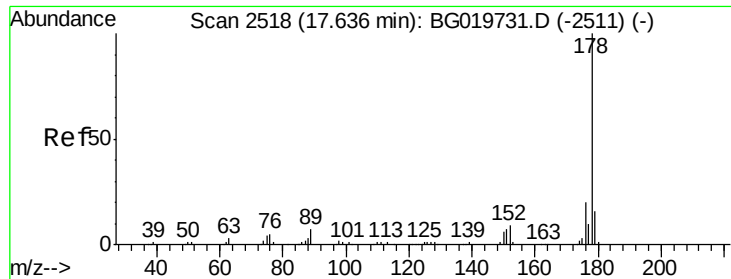
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#70
Phenanthrene
Concen: 209.14 ng/ul m
RT: 17.56 min Scan# 2505
Delta R.T. 0.01 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2553900		
179	23.4	12.2	18.2#	
176	28.4	16.6	24.8#	





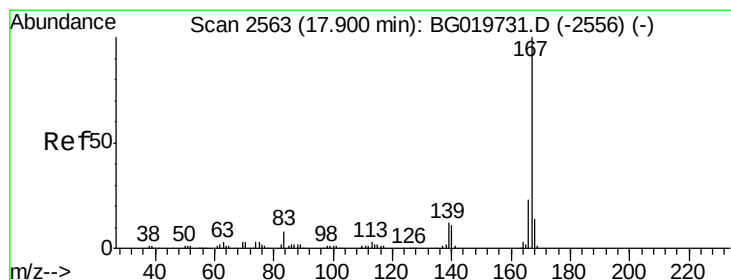
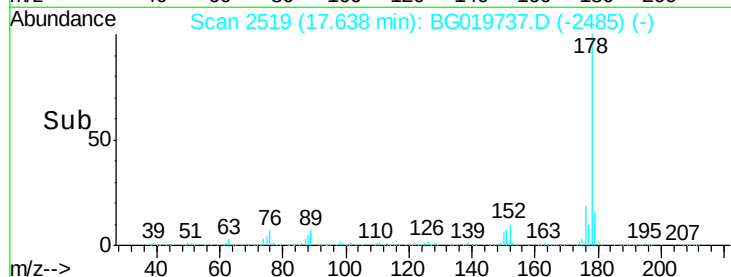
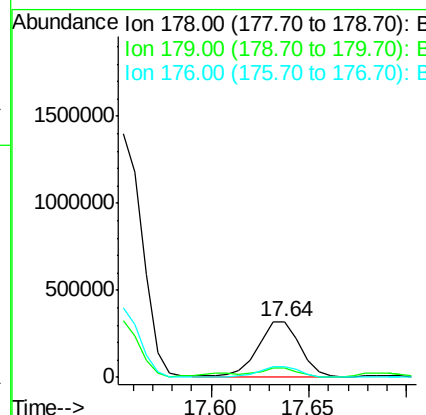
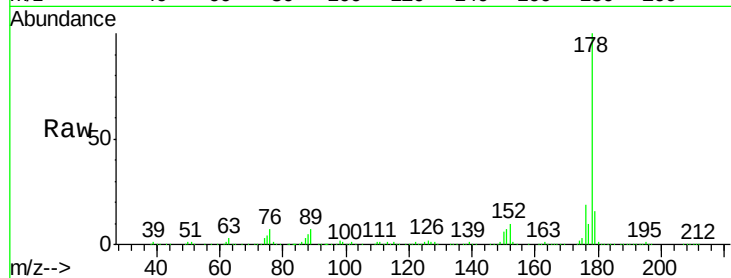
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 Anthracene
 Concen: 39.32 ng/ul
 RT: 17.64 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG019737.D
 Acq: 21 Nov 2015 2:34

Instrument :
 BNA_G
 ClientSampleId :
 BC7B4

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	19.0
176	19.3	15.0	22.4

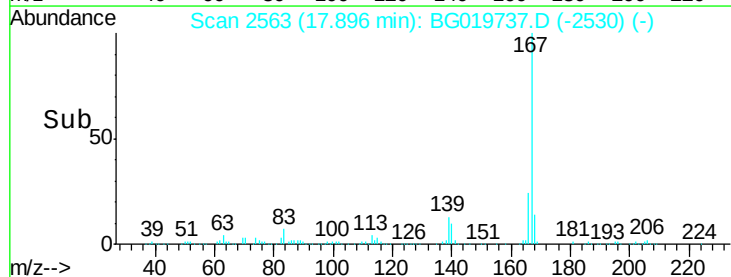
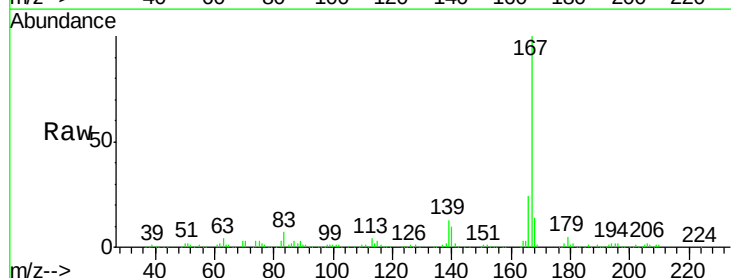
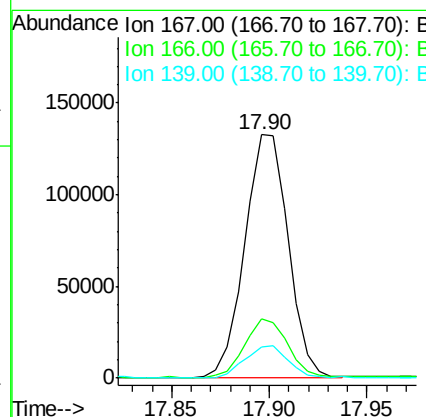
Manual Integrations
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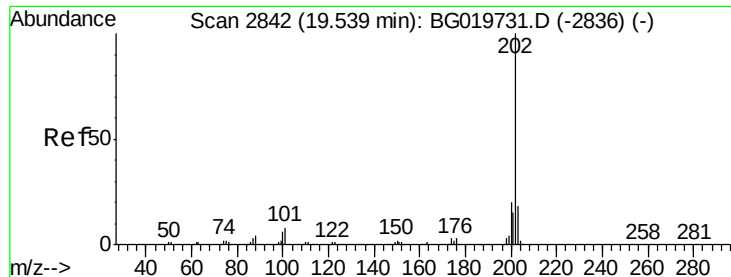
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 11/22/2015 5:51:21 AM



#75
 Carbazole
 Concen: 20.63 ng/ul
 RT: 17.90 min Scan# 2563
 Delta R.T. -0.00 min
 Lab File: BG019737.D
 Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.5	18.1	27.1
139	12.9	9.8	14.6





#77

Fluoranthene

Concen: 151.74 ng/ul

RT: 19.55 min Scan# 2845

Delta R.T. 0.01 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_G

ClientSampleId :

BC7B4

Tot Ion:202 Resp: 2361518

Ion Ratio Lower Upper

202 100

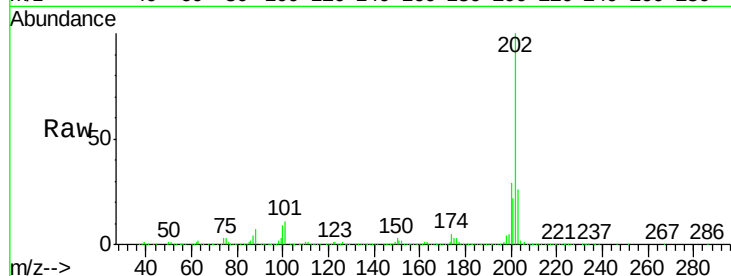
101 10.5 5.2 7.8#

100 8.8 5.0 7.4#

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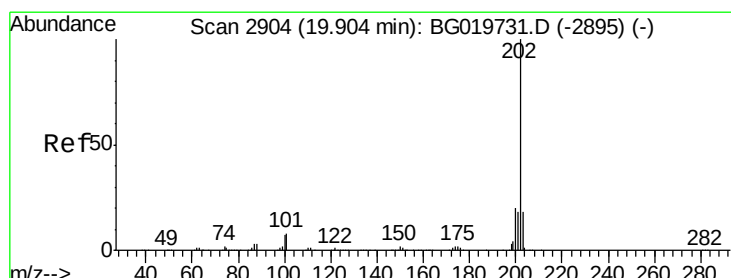
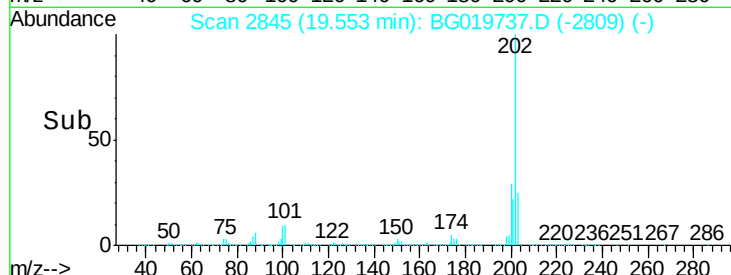
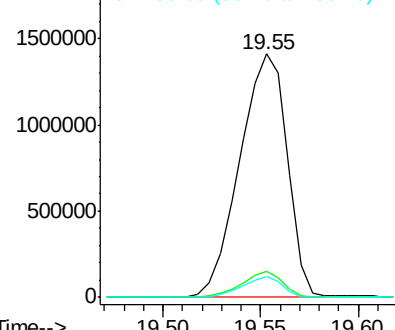
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 125.76 ng/ul

RT: 19.92 min Scan# 2907

Delta R.T. 0.01 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

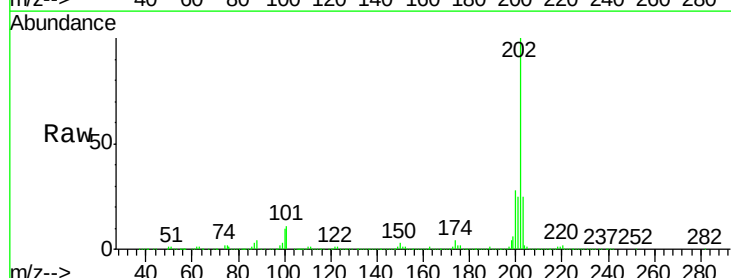
Tgt Ion:202 Resp: 2248038

Ion Ratio Lower Upper

202 100

101 11.4 7.0 10.6#

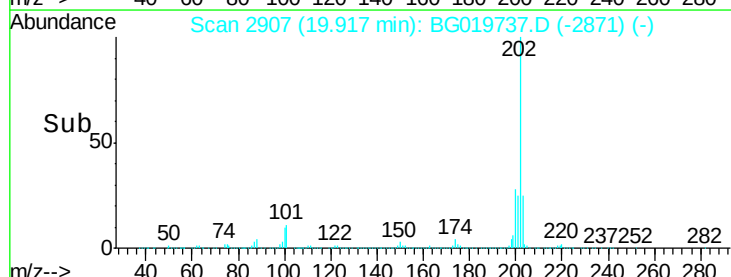
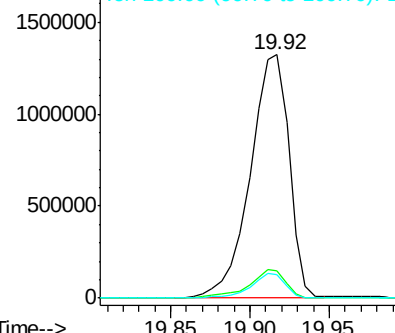
100 9.9 6.6 10.0

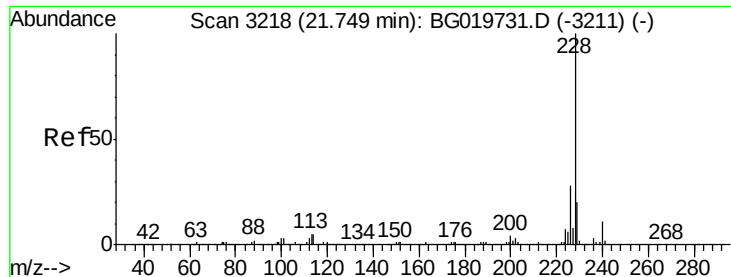


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 68.65 ng/ul

RT: 21.76 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_G

ClientSampleId :

BC7B4

Tot Ion:228 Resp: 1273607

Ion Ratio Lower Upper

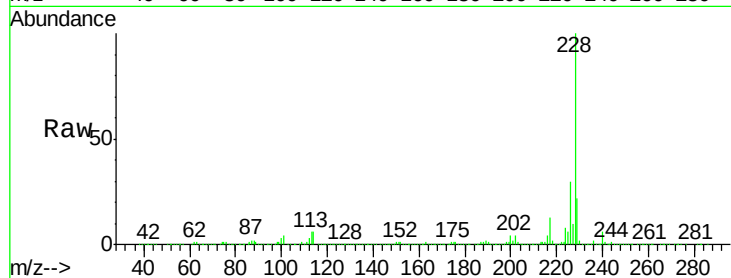
228 100

229 22.3 15.7 23.5

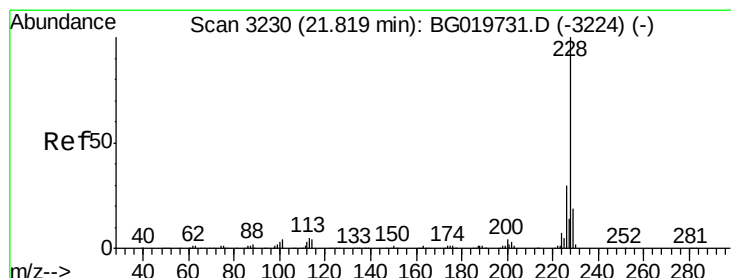
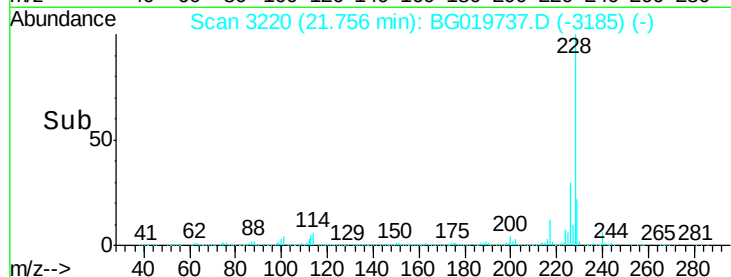
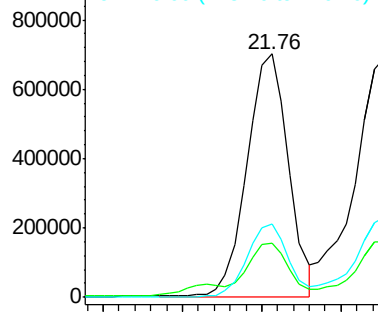
226 30.2 22.6 33.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 74.30 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.01 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Tgt Ion:228 Resp: 1297696

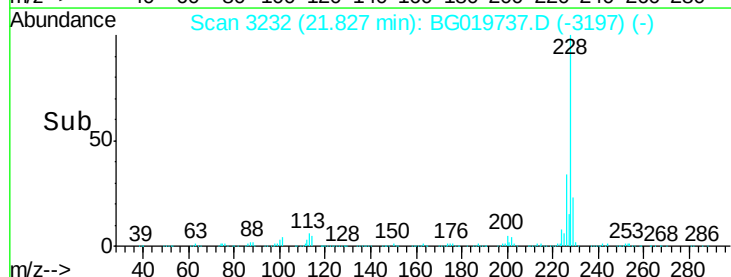
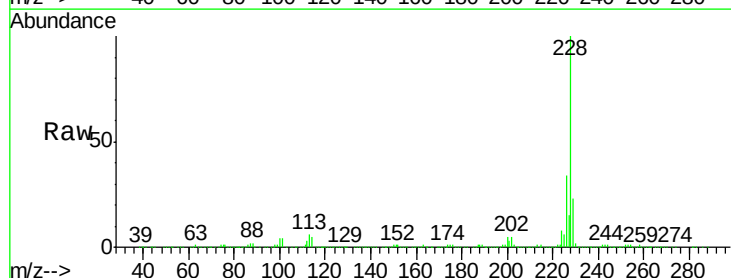
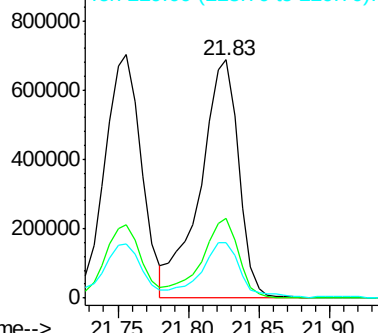
Ion Ratio Lower Upper

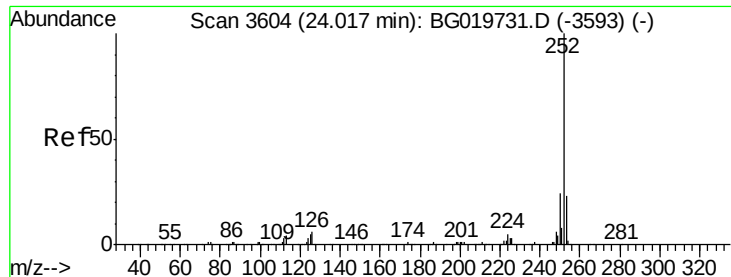
228 100

226 33.6 24.9 37.3

229 23.0 17.0 25.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 67.50 ng/ul

RT: 24.04 min Scan# 3608

Delta R.T. 0.02 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

Instrument :

BNA_G

ClientSampleId :

BC7B4

Tot Ion:252 Resp: 1232088

Ion Ratio Lower Upper

252 100

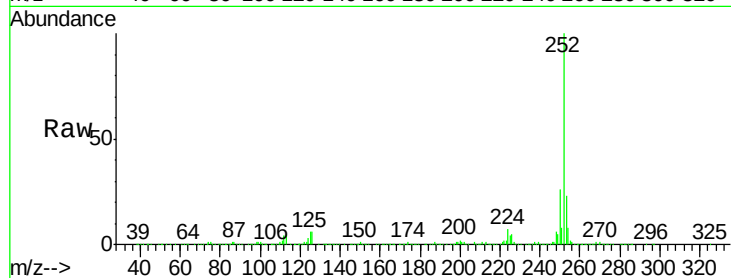
253 23.1 17.1 25.7

125 5.9 4.2 6.4

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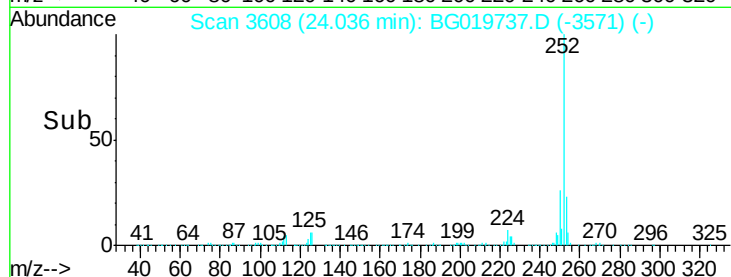


Abundance Ion 252.00 (251.70 to 252.70): E

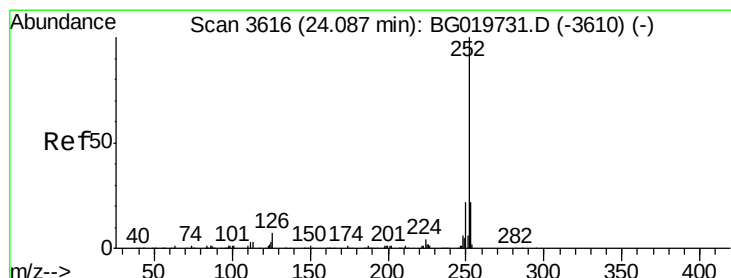
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#89

Benzo(k)fluoranthene

Concen: 25.46 ng/ul m

RT: 24.09 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BG019737.D

Acq: 21 Nov 2015 2:34

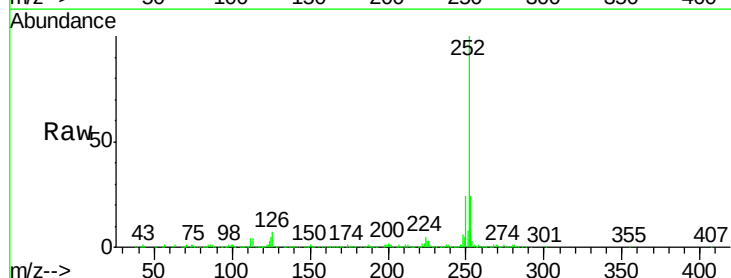
Tgt Ion:252 Resp: 448295

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 5.4 4.4 6.6

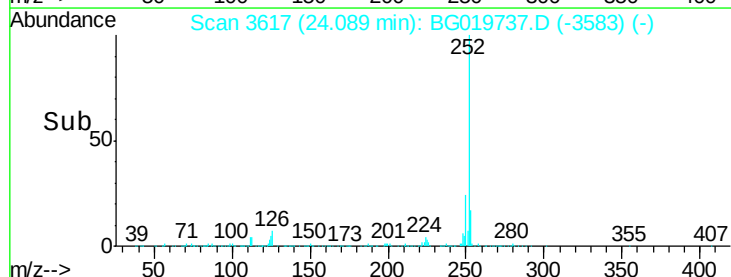


Abundance Ion 252.00 (251.70 to 252.70): E

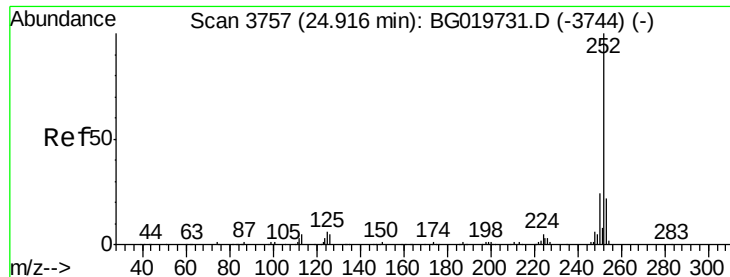
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



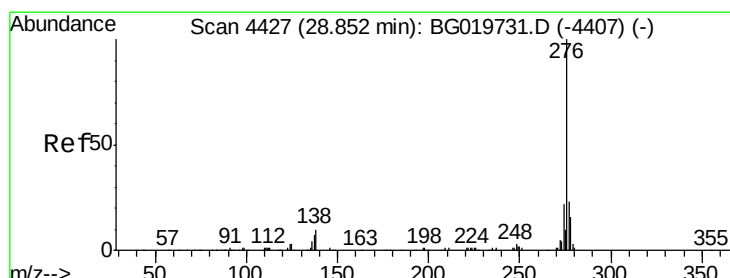
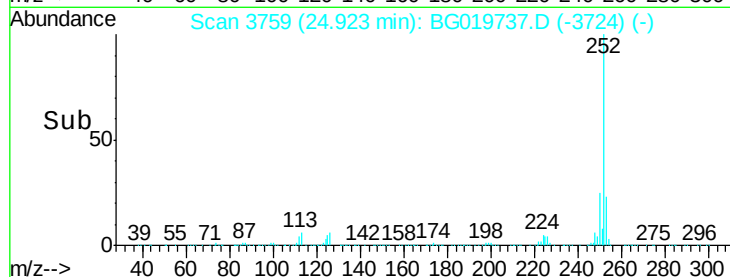
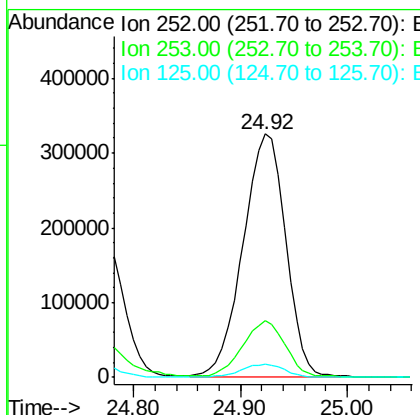
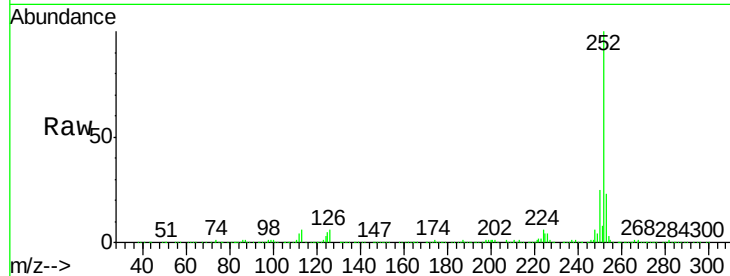
#91
Benzo(a)pyrene
Concen: 51.39 ng/ul m
RT: 24.92 min Scan# 3759
Delta R.T. 0.01 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	16.9	25.3
125	5.3	5.4	8.0

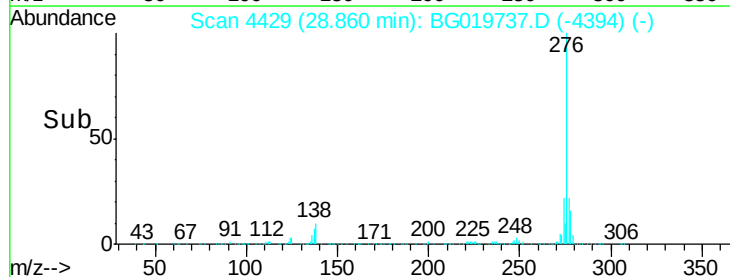
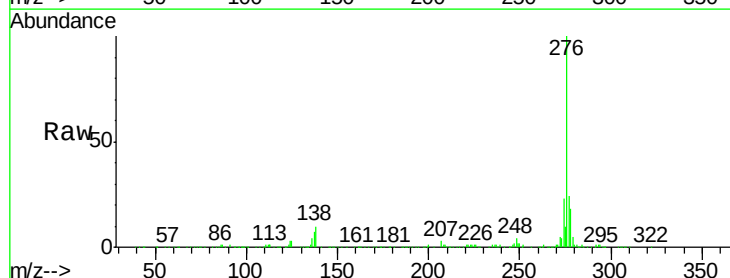
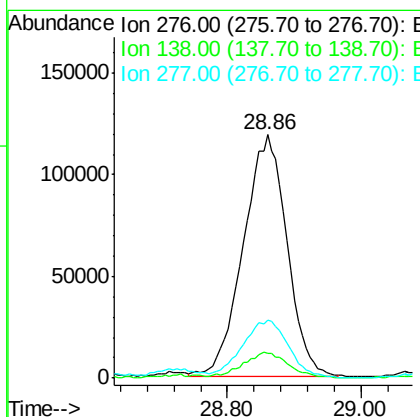
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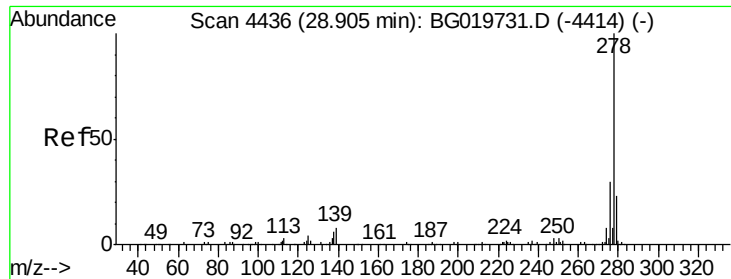
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#92
Indeno(1,2,3-cd)pyrene
Concen: 27.20 ng/ul
RT: 28.86 min Scan# 4429
Delta R.T. 0.01 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	10.0	9.9	14.9
277	23.6	21.3	31.9





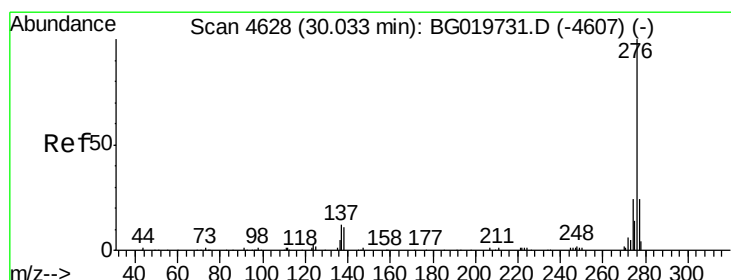
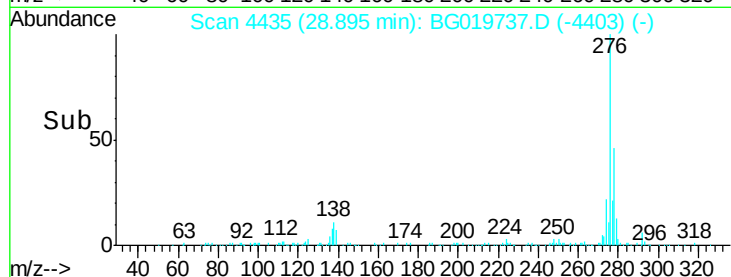
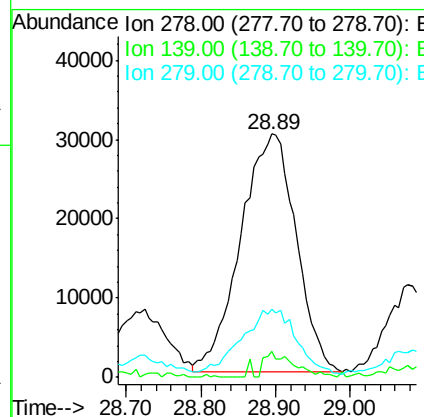
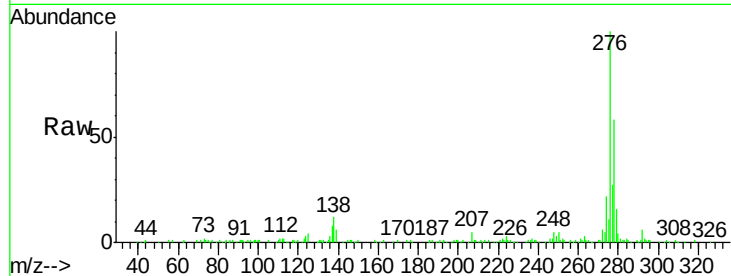
#93
Dibenzo(a,h)anthracene
Concen: 9.53 ng/ul
RT: 28.89 min Scan# 4435
Delta R.T. -0.01 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Instrument :
BNA_G
ClientSampleId :
BC7B4

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.8	5.9	8.9#
279	28.1	18.2	27.2#

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#94
Benzo(g,h,i)perylene
Concen: 27.16 ng/ul
RT: 30.04 min Scan# 4630
Delta R.T. 0.01 min
Lab File: BG019737.D
Acq: 21 Nov 2015 2:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.3	9.2	13.8
277	24.9	18.6	28.0

