

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052616\
 Data File : BG022096.D
 Acq On : 27 May 2016 1:11
 Operator : UM/SJ
 Sample : H3201-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

Manual Integrations
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Quant Time: May 27 07:17:37 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 27 05:50:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	32881	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	174424	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	97604	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	168158	20.00	ng/ul	0.00
75) Chrysene-d12	21.82	240	168922	20.00	ng/ul	0.00
83) Perylene-d12	25.16	264	171003	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	663	1.05	ng/uL	0.00
5) Phenol-d5	7.33	99	22975	7.73	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.47	67	12437	7.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	21250	8.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	24147	9.58	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	12279	9.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	10673	7.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	19705	8.02	ng/ul	0.02
29) 4-Chloroaniline-d4	11.12	131	22633	8.45	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	92669	12.64	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	117920	11.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	205	0.16	ng/ul	0.00
57) Fluorene-d10	15.78	176	80684	11.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.63	188	123288	15.28	ng/ul	0.00
76) Pyrene-d10	19.91	212	146125	15.34	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.93	264	141023	17.77	ng/ul	0.03

Target Compounds

						Ovalue
28) Naphthalene	11.03	128	240065	27.14	ng/ul	99
34) 2-Methylnaphthalene	12.63	142	50487	7.99	ng/ul	96
40) 1,1'-Biphenyl	13.62	154	16126	2.01	ng/ul#	94
44) Dimethylphthalate	14.23	163	33629	4.56	ng/ul	99
49) Acenaphthene	14.85	153	285666	39.66	ng/ul	100
53) Dibenzofuran	15.18	168	136816	15.36	ng/ul	100
58) Fluorene	15.83	166	191912	25.52	ng/ul	95
69) Phenanthrene	17.58	178	1636893m	175.00	ng/ul	
71) Anthracene	17.67	178	499424	52.72	ng/ul	98
72) Carbazole	17.93	167	190485	23.20	ng/ul	98
74) Fluoranthene	19.58	202	1824412	190.86	ng/ul	97
77) Pyrene	19.94	202	1635546	137.60	ng/ul	97
80) Benzo(a)anthracene	21.80	228	877177	88.54	ng/ul	95
82) Chrysene	21.87	228	728306	76.64	ng/ul#	93
85) Benzo(b)fluoranthene	24.10	252	884826	88.42	ng/ul	96
86) Benzo(k)fluoranthene	24.15	252	315588m	32.40	ng/ul	
88) Benzo(a)pyrene	25.01	252	689313	71.39	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.99	276	372873	33.68	ng/ul#	95
90) Dibenzo(a,h)anthracene	29.03	278	101565m	10.96	ng/ul	
91) Benzo(g,h,i)perylene	30.18	276	304885	34.38	ng/ul	92

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

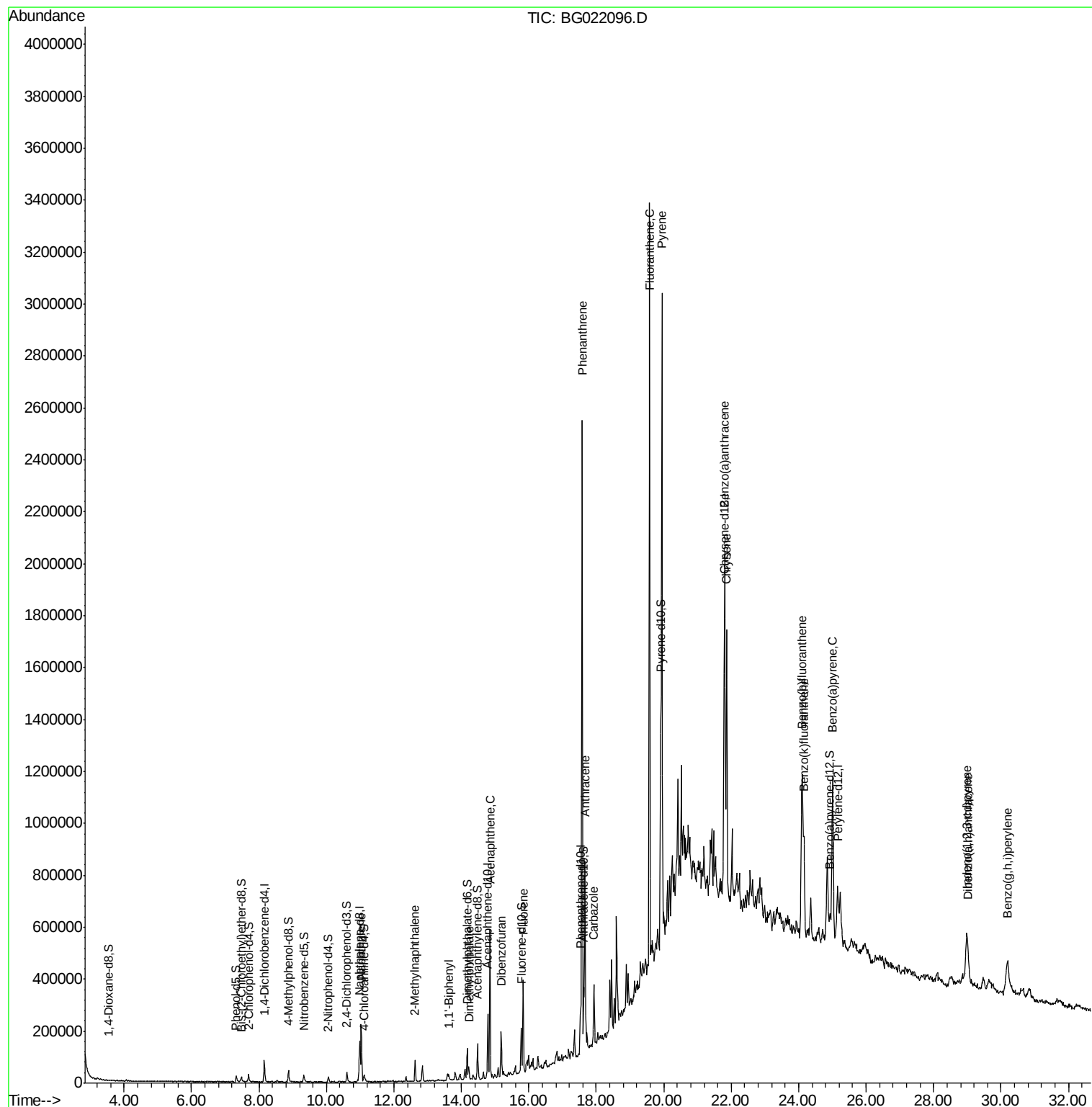
Data Path : Z:\HPCHEM1\BNA G\DATA\BG052616\
Data File : BG022096.D
Acq On : 27 May 2016 1:11
Operator : UM/SJ
Sample : H3201-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

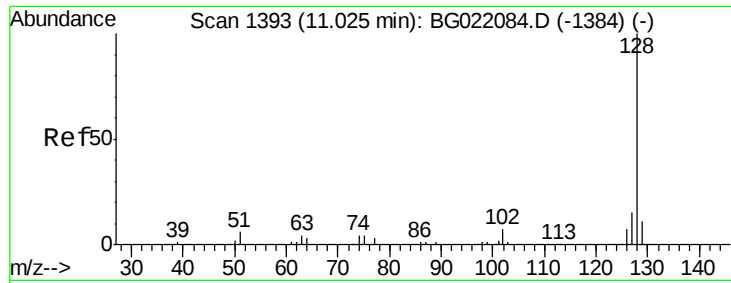
Instrument :
BNA_G
ClientSampleId :
BCZJ5

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Quant Time: May 27 07:17:37 2016
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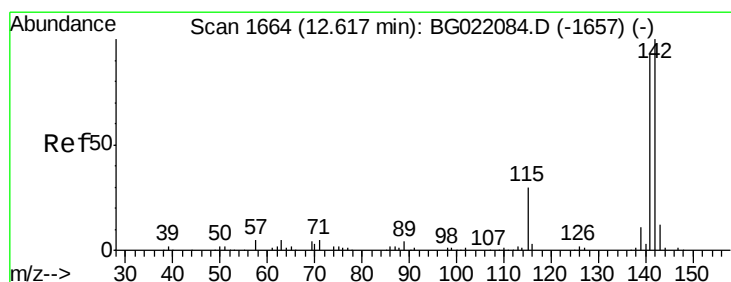
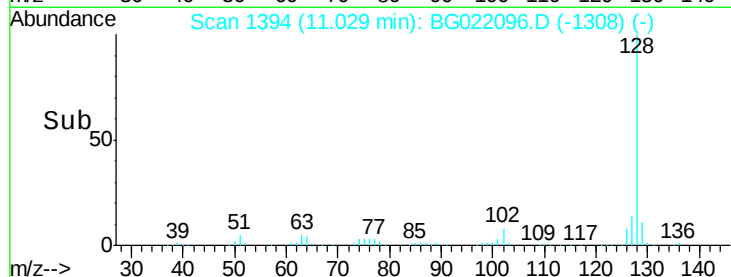
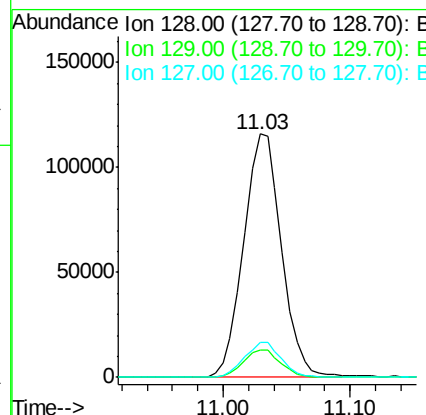
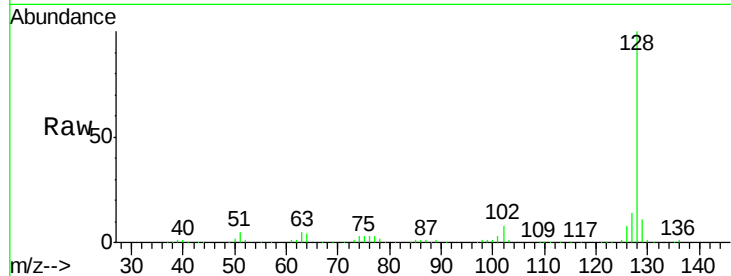
#28
Naphthalene
Concen: 27.14 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. 0.00 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Instrument :
BNA_G
ClientSampleId :
BCZJ5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240065		
129	11.1		9.4	14.2
127	14.2		11.2	16.8

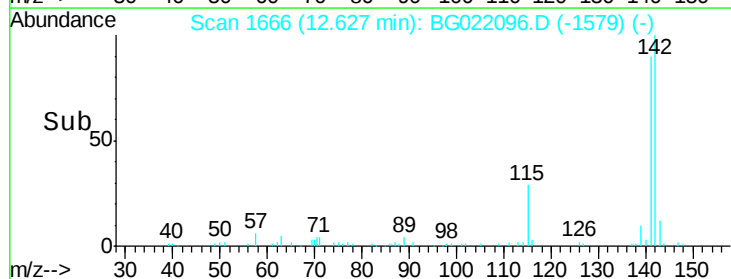
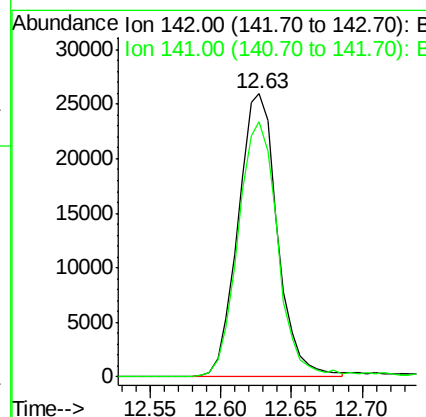
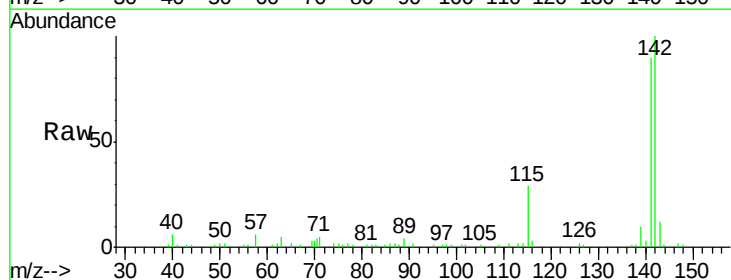
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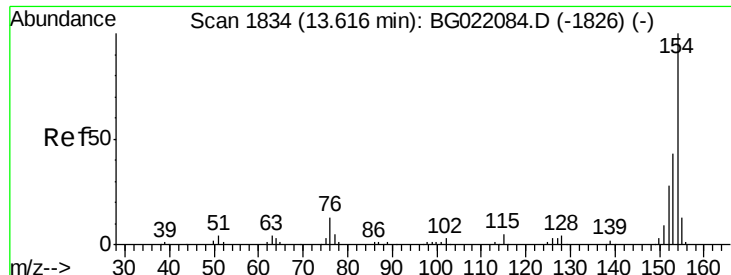
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#34
2-Methylnaphthalene
Concen: 7.99 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50487		
141	90.2		75.2	112.8





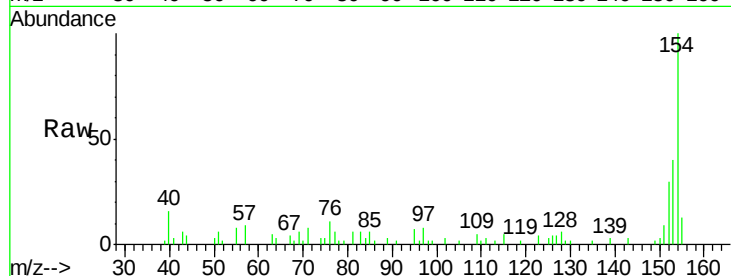
#40
 1,1'-Biphenyl
 Concen: 2.01 ng/ul
 RT: 13.62 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

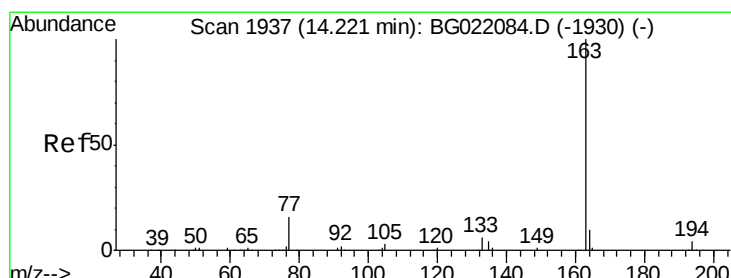
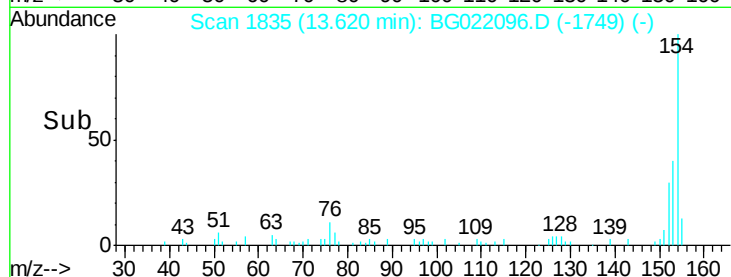
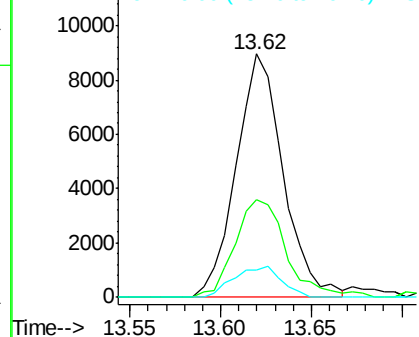
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.2	34.6	52.0
76	11.2	11.9	17.9

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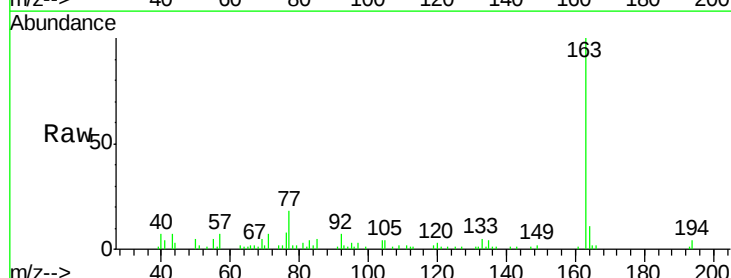


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

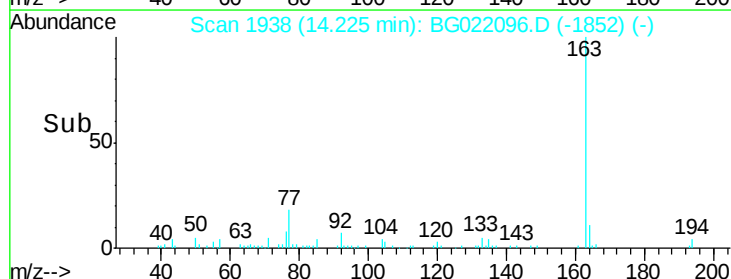
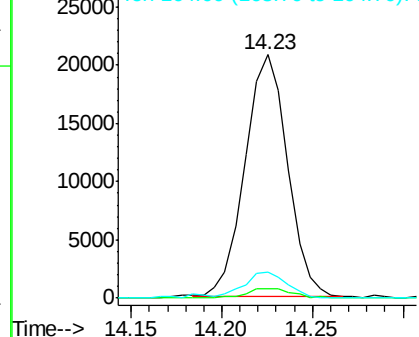


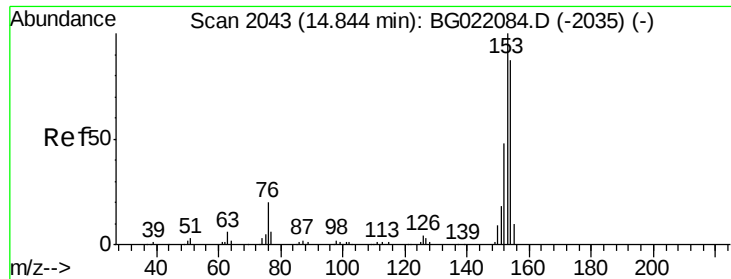
#44
 Dimethylphthalate
 Concen: 4.56 ng/ul
 RT: 14.23 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.7	8.8	13.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





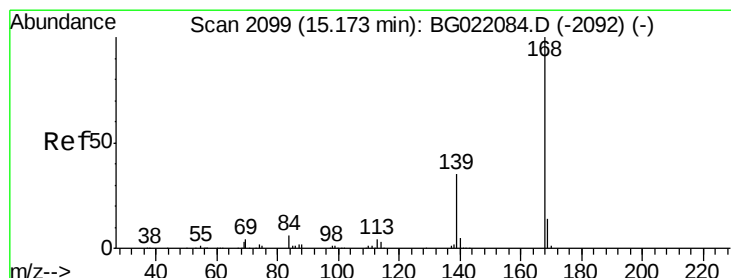
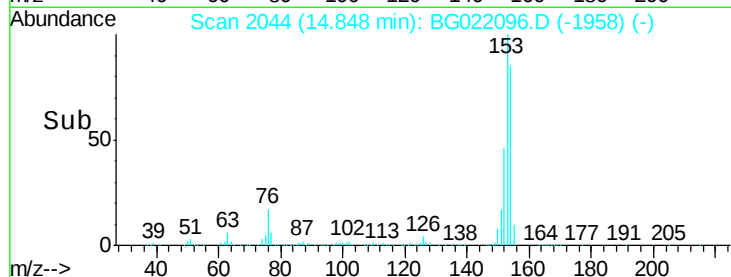
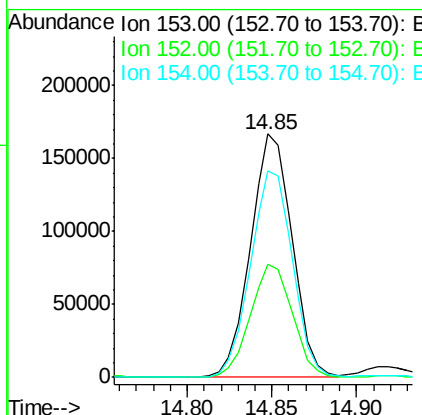
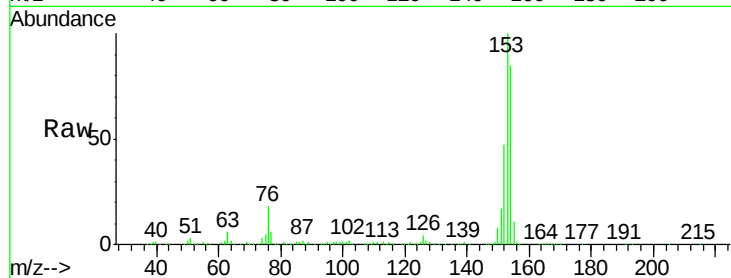
#49
Acenaphthene
Concen: 39.66 ng/ul
RT: 14.85 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Instrument :
BNA_G
ClientSampleId :
BCZJ5

Tot Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.3	55.9
154	84.7	68.2	102.2

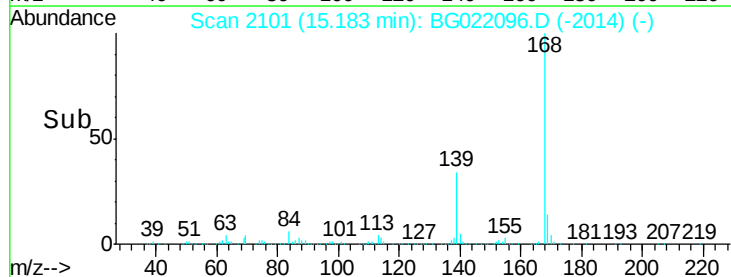
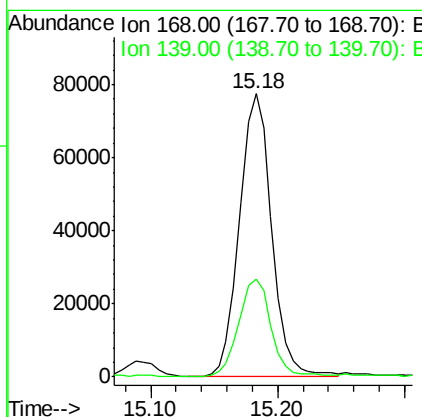
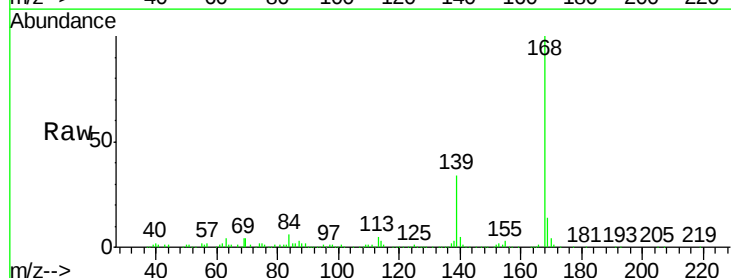
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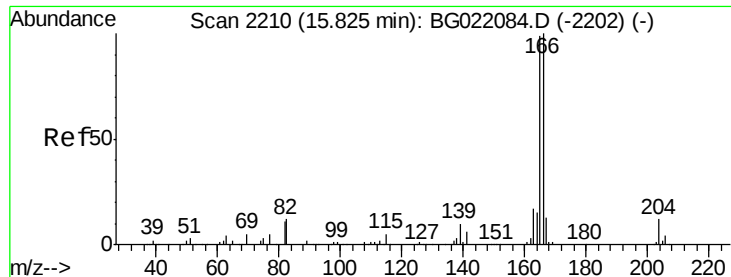
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#53
Dibenzofuran
Concen: 15.36 ng/ul
RT: 15.18 min Scan# 2101
Delta R.T. 0.01 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.4	27.4	41.0





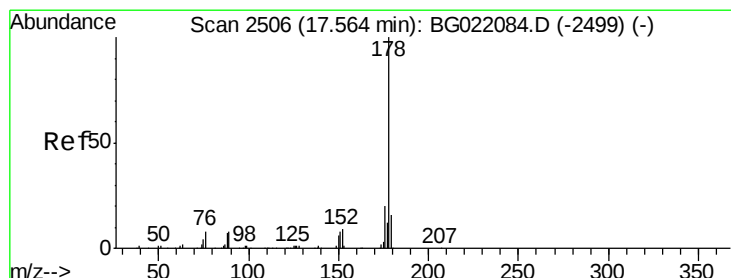
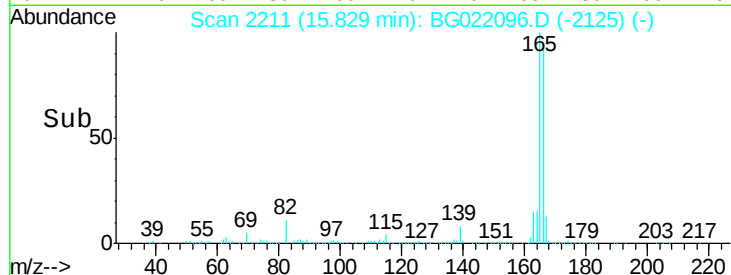
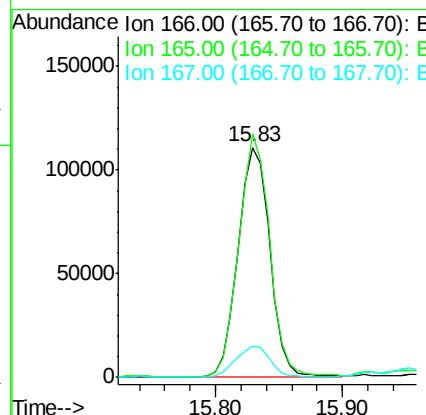
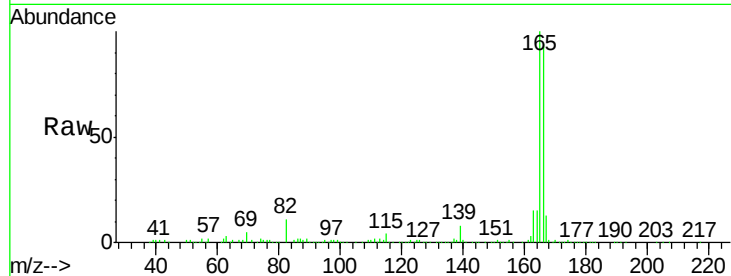
#58
 Fluorene
 Concen: 25.52 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Instrument :
 BNA_G
 ClientSampleId :
 BCZJ5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		191912		
165	106.1	80.3	120.5		
167	13.4	10.3	15.5		

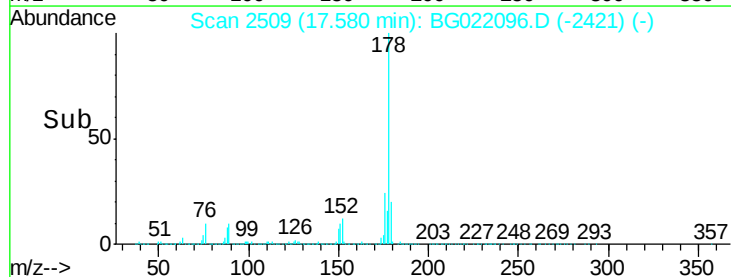
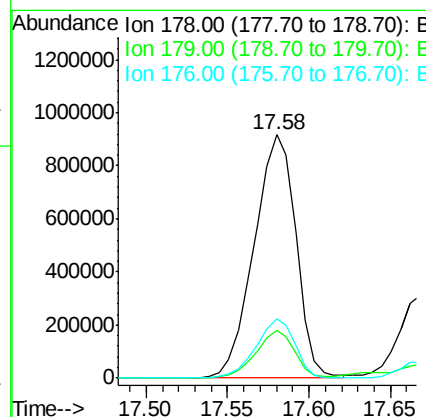
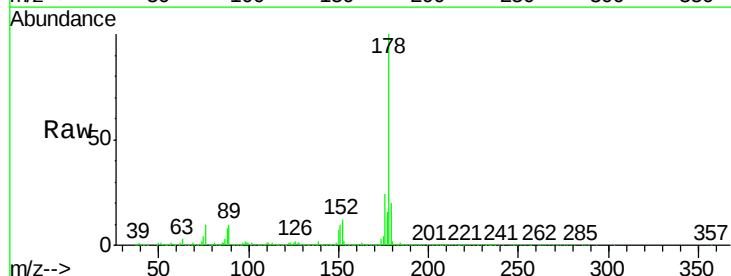
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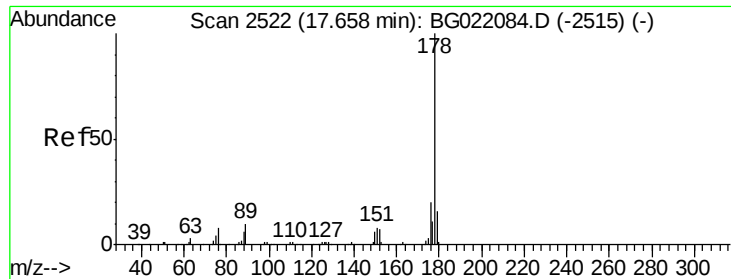
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#69
 Phenanthrene
 Concen: 175.00 ng/ul m
 RT: 17.58 min Scan# 2509
 Delta R.T. 0.02 min
 Lab File: BG022096.D
 Acq: 27 May 2016 1:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		1636893		
179	19.6	12.9	19.3#		
176	24.4	15.8	23.8#		





#71

Anthracene

Concen: 52.72 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.01 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

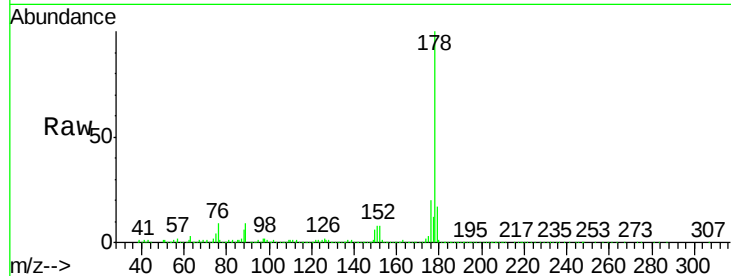
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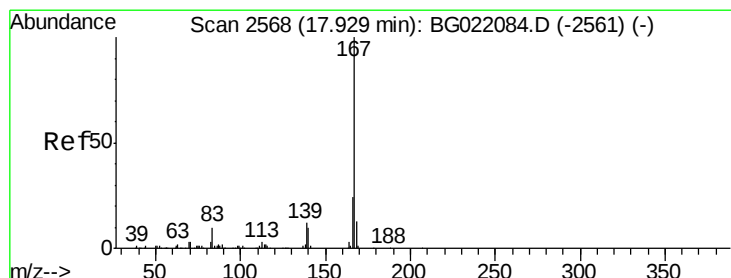
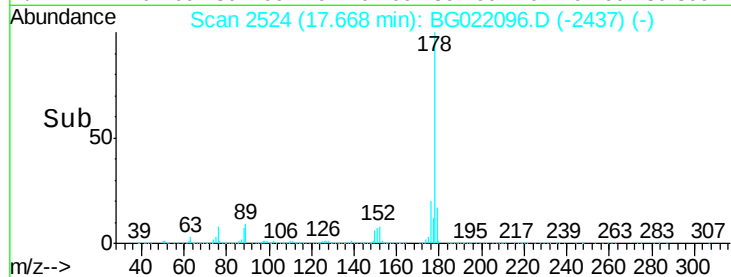
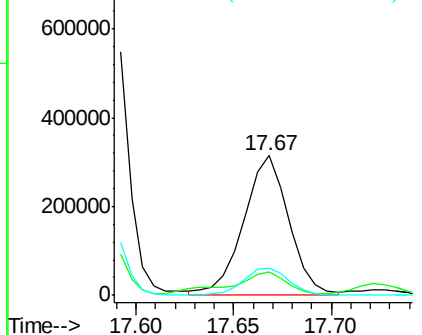
Tot Ion:	178	Resp:	499424
Ion Ratio	Lower	Upper	
178	100		
179	16.8	12.3	18.5
176	20.0	16.3	24.5

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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



#72

Carbazole

Concen: 23.20 ng/ul

RT: 17.93 min Scan# 2569

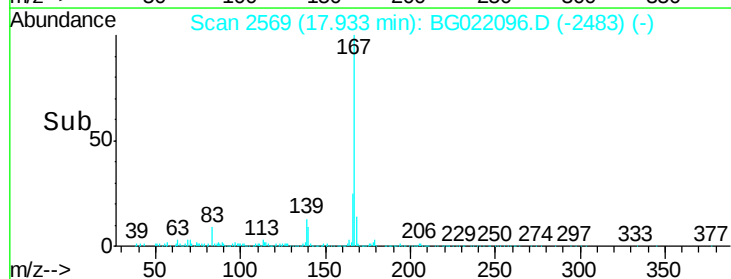
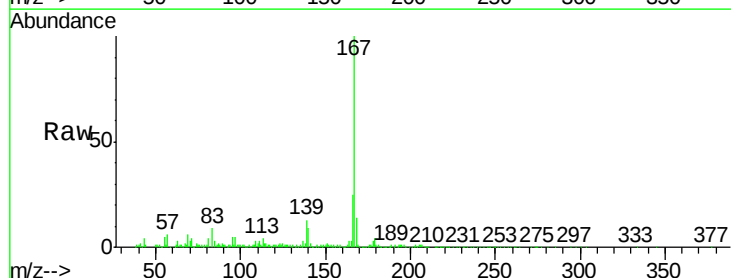
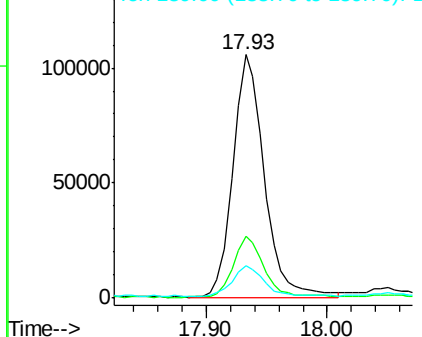
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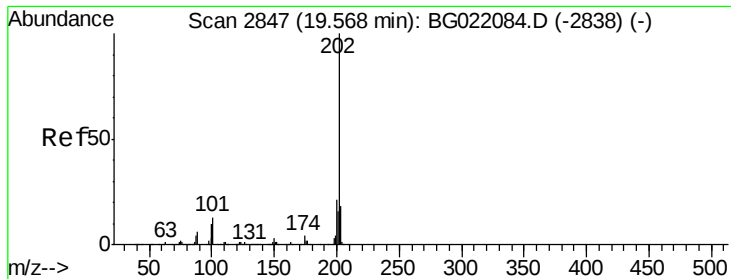
Lab File: BG022096.D

Acq: 27 May 2016 1:11

Tgt Ion:	167	Resp:	190485
Ion Ratio	Lower	Upper	
167	100		
166	25.5	19.2	28.8
139	13.4	10.2	15.4

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 190.86 ng/ul

RT: 19.58 min Scan# 2850

Delta R.T. 0.02 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

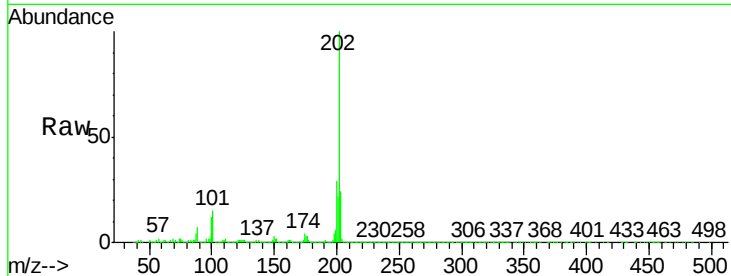
ClientSampled :

BCZJ5

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	10.6	16.0
100	12.0	8.7	13.1

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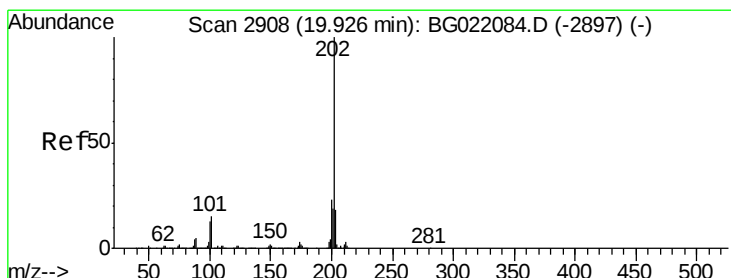
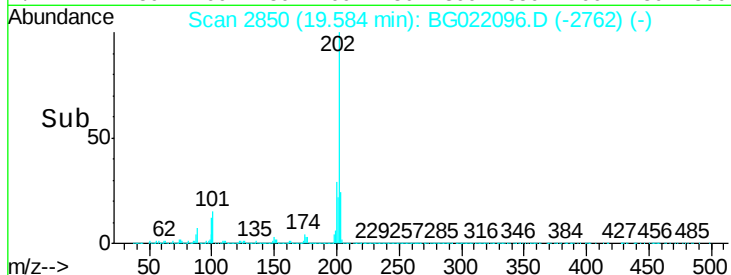
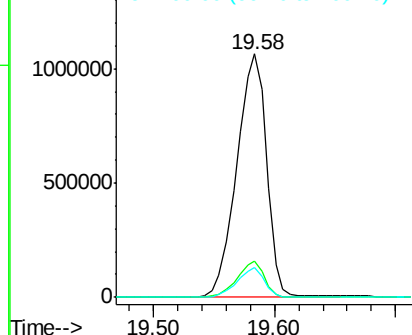
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 137.60 ng/ul

RT: 19.94 min Scan# 2911

Delta R.T. 0.02 min

Lab File: BG022096.D

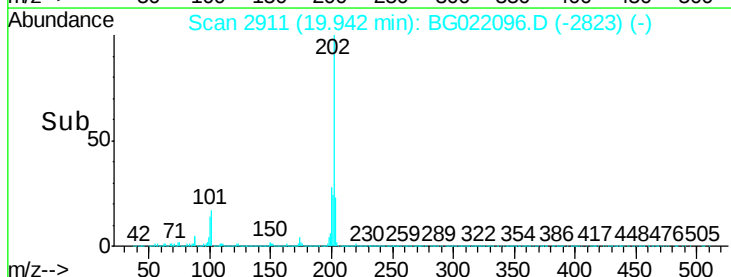
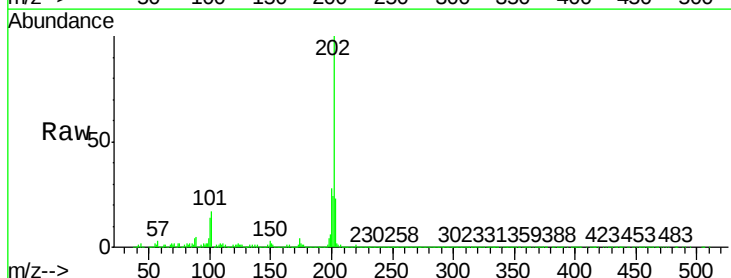
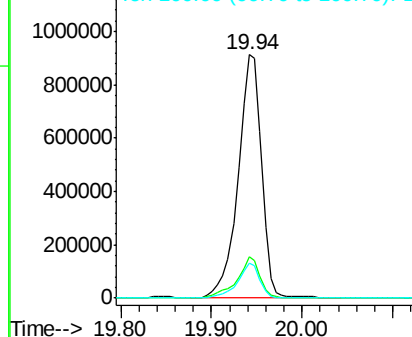
Acq: 27 May 2016 1:11

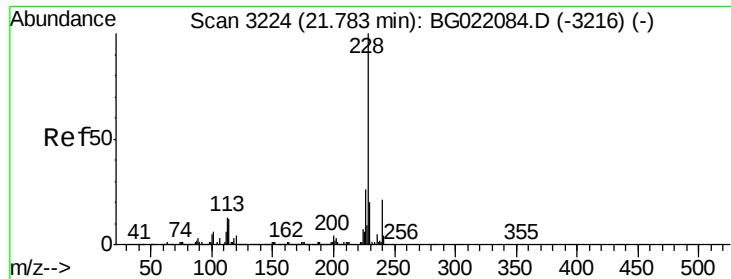
Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.8	12.5	18.7
100	14.2	10.2	15.4

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





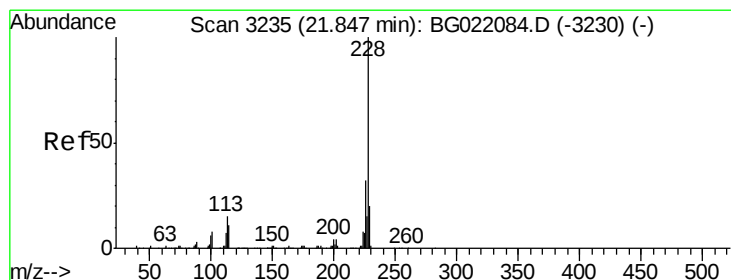
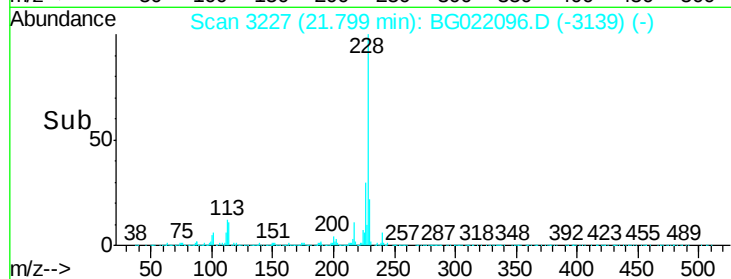
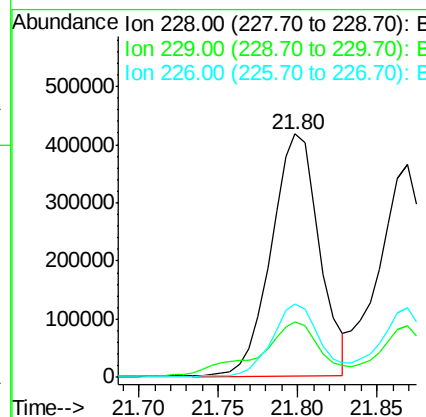
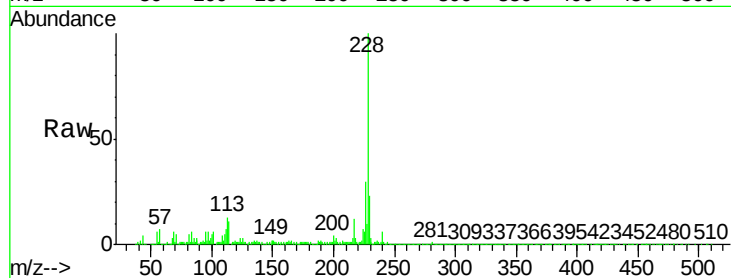
#80
Benzo(a)anthracene
Concen: 88.54 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.02 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Instrument :
BNA_G
ClientSampled :
BCZJ5

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.0	15.4	23.2
226	29.9	22.8	34.2

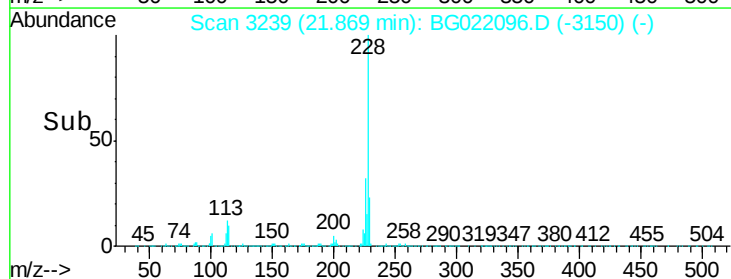
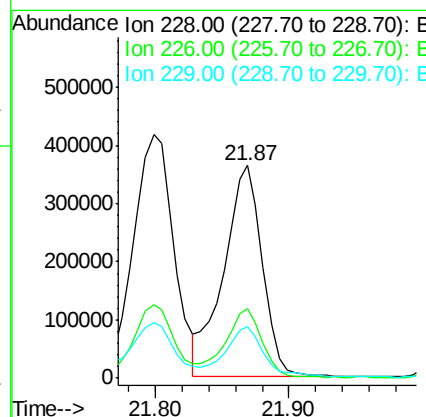
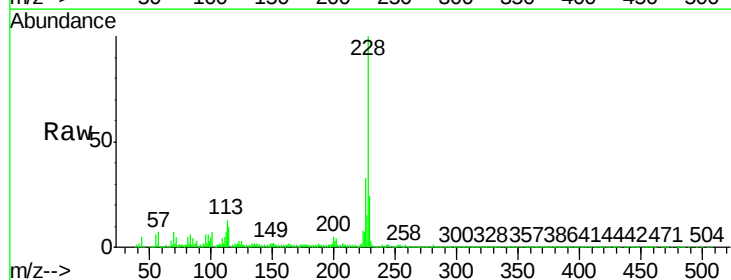
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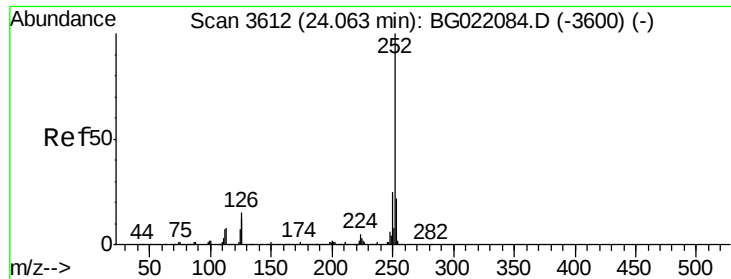
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#82
Chrysene
Concen: 76.64 ng/ul
RT: 21.87 min Scan# 3239
Delta R.T. 0.02 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.2	36.4
229	24.1	15.0	22.6#





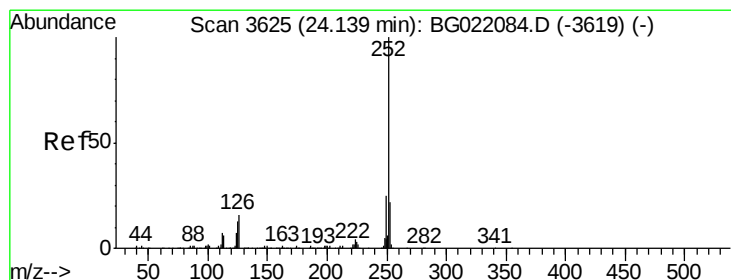
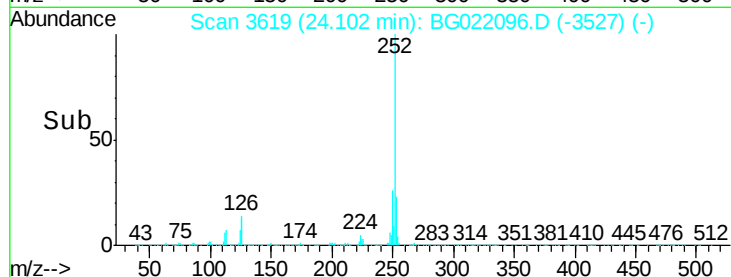
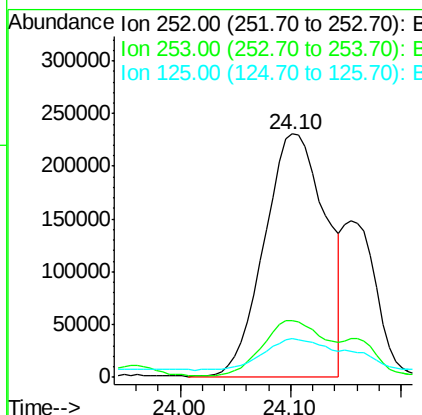
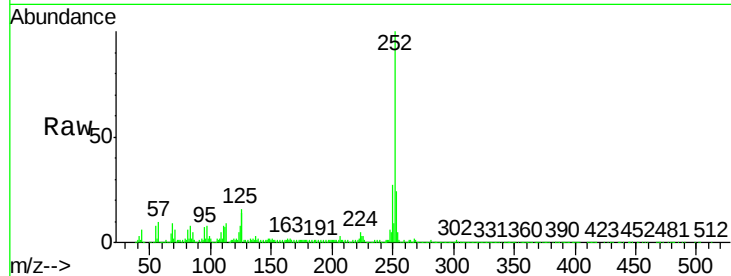
#85
Benzo(b)fluoranthene
Concen: 88.42 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.04 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Instrument :
BNA_G
ClientSampleId :
BCZJ5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	16.1	10.8	16.2

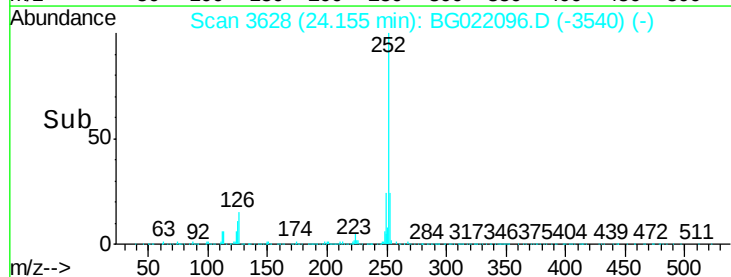
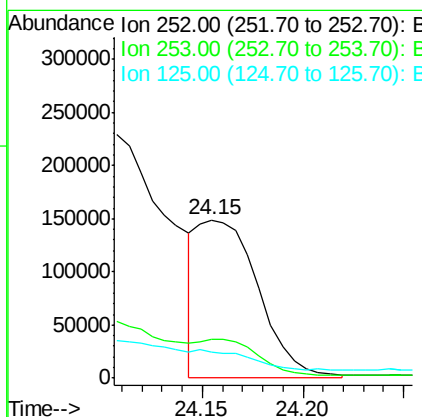
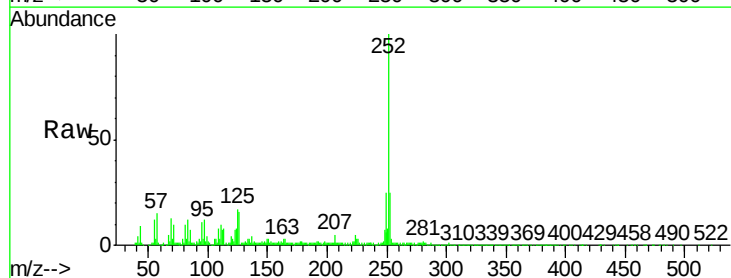
Manual Integrations
APPROVED

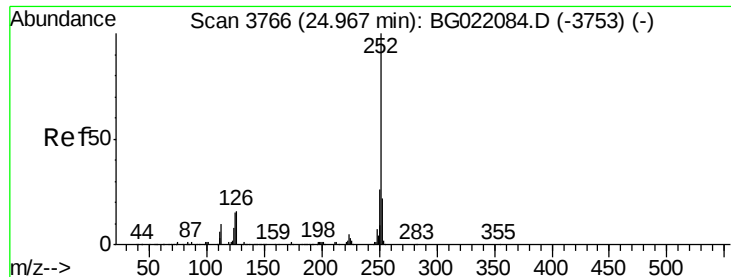
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#86
Benzo(k)fluoranthene
Concen: 32.40 ng/ul m
RT: 24.15 min Scan# 3628
Delta R.T. 0.02 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	15.8	23.6#
125	16.6	10.6	16.0#





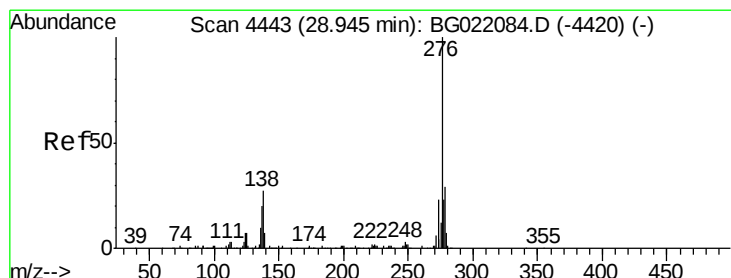
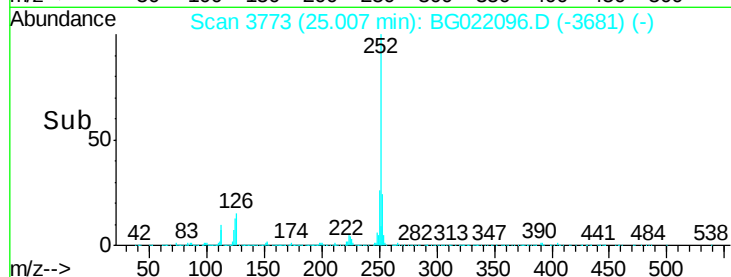
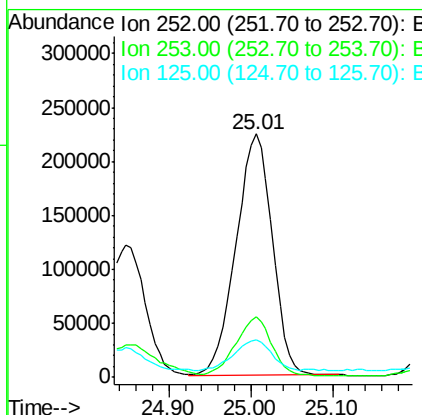
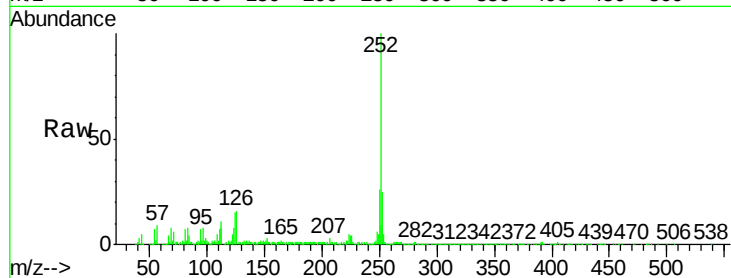
#88
Benzo(a)pyrene
Concen: 71.39 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. 0.04 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Instrument :
BNA_G
ClientSampleId :
BCZJ5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.4
125	15.4	12.0	18.0

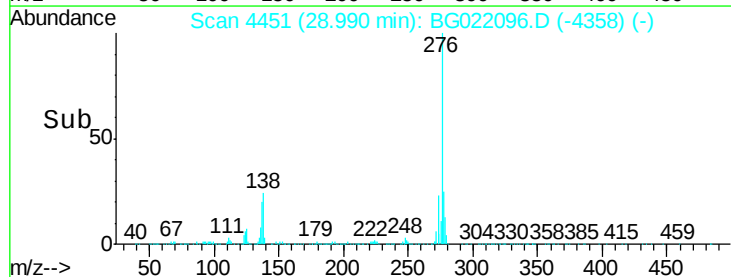
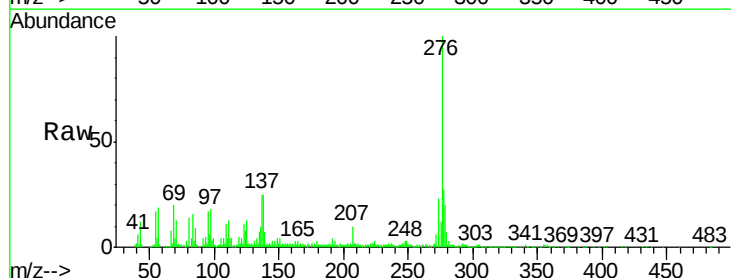
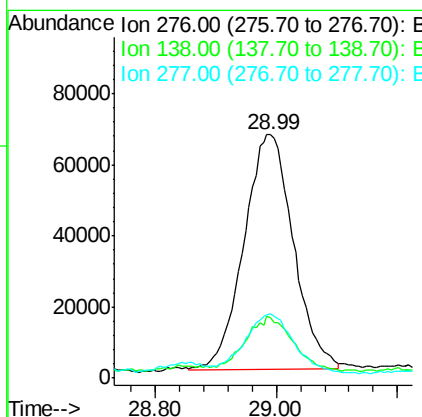
Manual Integrations
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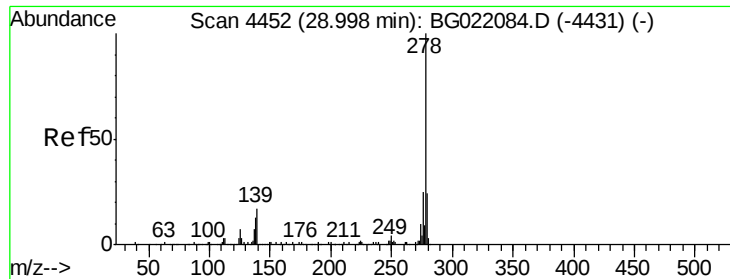
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#89
Indeno(1,2,3-cd)pyrene
Concen: 33.68 ng/ul
RT: 28.99 min Scan# 4451
Delta R.T. 0.05 min
Lab File: BG022096.D
Acq: 27 May 2016 1:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	20.8	31.2
277	26.5	17.6	26.4#





#90

Dibenzo(a,h)anthracene

Concen: 10.96 ng/ul m

RT: 29.03 min Scan# 4457

Delta R.T. 0.03 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Instrument :

BNA_G

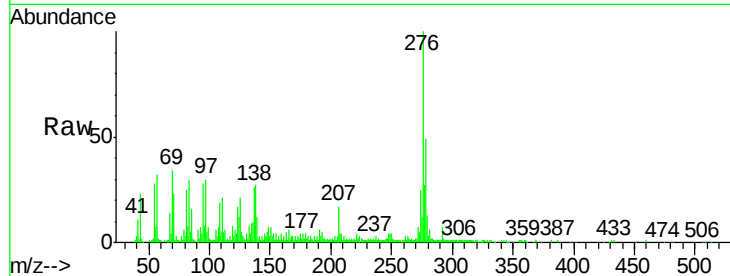
ClientSampleId :

BCZJ5

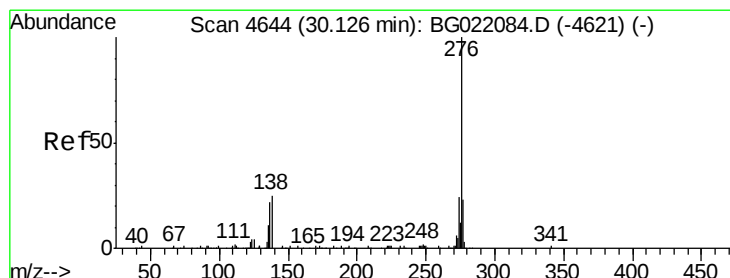
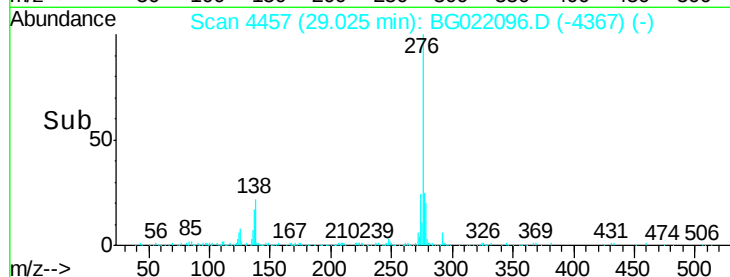
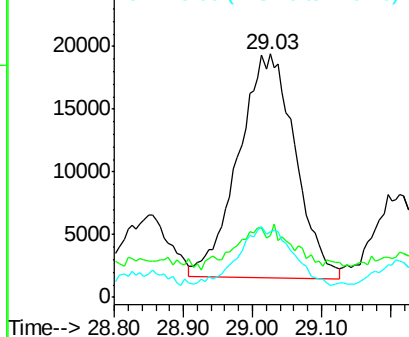
Tot Ion:	278	Resp:	101565
Ion Ratio	Lower	Upper	
278	100		
139	25.2	16.3	24.5#
279	27.1	19.1	28.7

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 34.38 ng/ul

RT: 30.18 min Scan# 4654

Delta R.T. 0.06 min

Lab File: BG022096.D

Acq: 27 May 2016 1:11

Tgt Ion:	276	Resp:	304885
Ion Ratio	Lower	Upper	
276	100		
138	23.8	22.1	33.1
277	25.1	17.0	25.4

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

