

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\
 Data File : BG021838.D
 Acq On : 11 May 2016 11:02
 Operator : UM/SJ
 Sample : H2938-12DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XB0DL

Manual Integrations
 APPROVED

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 5/12/2016 7:25:04 PM

Quant Time: May 12 05:09:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	56969	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	293966	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	185558	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	409588	20.00	ng/ul	0.00
76) Chrysene-d12	21.84	240	432693	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	432004	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	2639	2.24	ng/uL	0.00
5) Phenol-d5	7.33	99	50390	11.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	24471	11.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	48058	14.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	38989	10.98	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	22003	11.38	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	23749	19.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	45722	13.25	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	26231m	7.05	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	181740	13.94	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	234771	12.69	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	24111m	10.79	ng/ul	0.01
58) Fluorene-d10	15.79	176	165917	12.09	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	18370	16.19	ng/ul	0.00
71) Anthracene-d10	17.64	188	255877	12.83	ng/ul	0.00
77) Pyrene-d10	19.92	212	266778	13.17	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.95	264	246262	12.00	ng/ul	0.00

Target Compounds

						Ovalue
45) Dimethylphthalate	14.24	163	31695	2.39	ng/ul	98
50) Acenaphthene	14.87	153	13580	1.03	ng/ul	92
59) Fluorene	15.85	166	17576	1.15	ng/ul	98
70) Phenanthrene	17.59	178	508551	22.71	ng/ul	97
72) Anthracene	17.68	178	66684	2.93	ng/ul	98
73) Carbazole	17.95	167	59711	3.03	ng/ul#	96
74) Di-n-butylphthalate	18.49	149	27109	1.51	ng/ul#	94
75) Fluoranthene	19.59	202	1276787	50.18	ng/ul#	92
78) Pyrene	19.95	202	980066m	39.15	ng/ul	
81) Benzo(a)anthracene	21.81	228	585705	24.32	ng/ul	96
82) Bis(2-ethylhexyl)phthalate	21.70	149	73486	8.13	ng/ul	95
83) Chrysene	21.88	228	600519	25.21	ng/ul	95
86) Benzo(b)fluoranthene	24.11	252	897835	36.31	ng/ul#	94
87) Benzo(k)fluoranthene	24.17	252	308174m	11.64	ng/ul	
89) Benzo(a)pyrene	25.02	252	547461	22.24	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	29.02	276	422498	14.48	ng/ul#	93
91) Dibenzo(a,h)anthracene	29.05	278	128221m	5.28	ng/ul	
92) Benzo(g,h,i)perylene	30.20	276	333903	13.87	ng/ul#	92

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

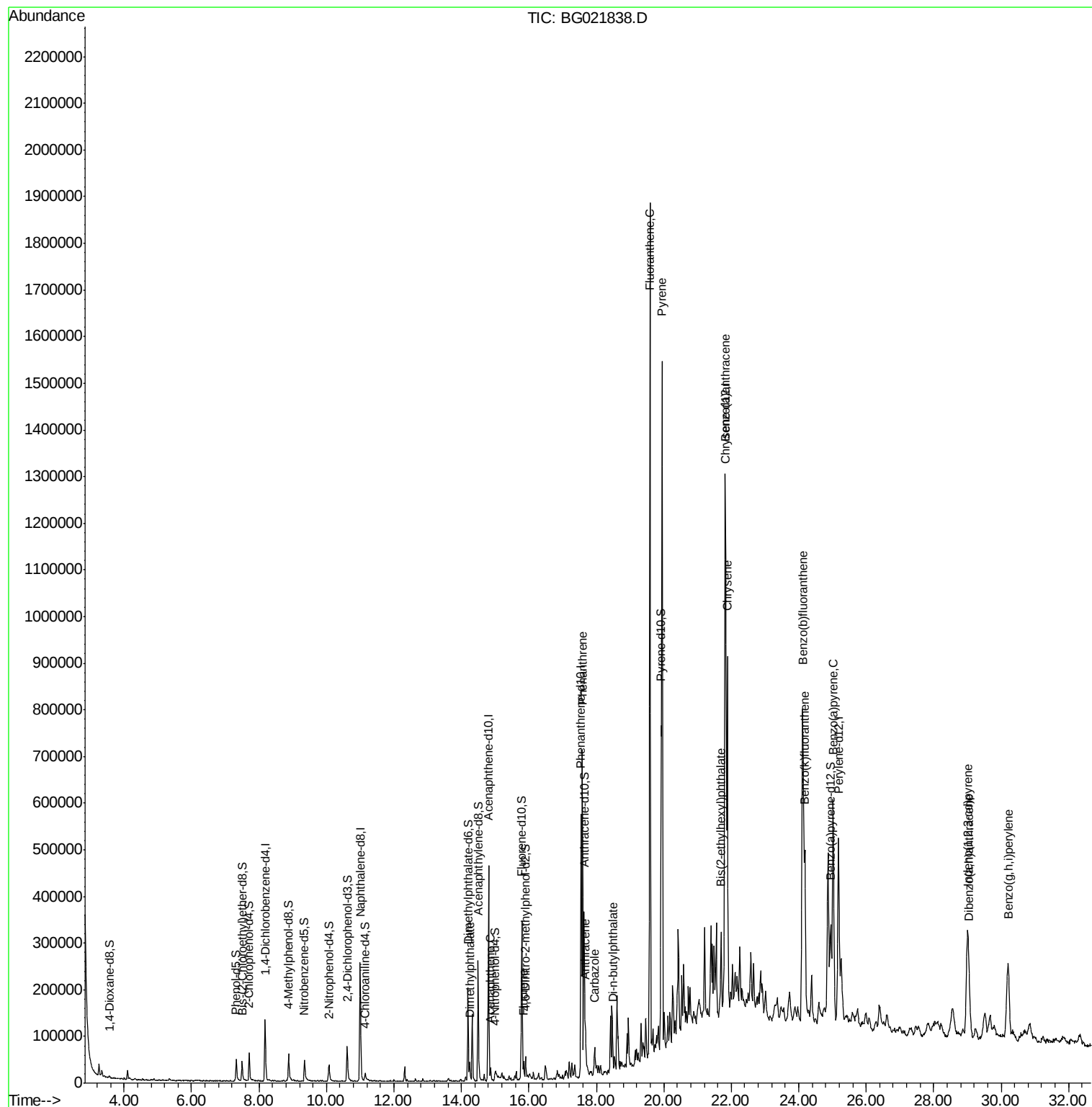
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051116\
Data File : BG021838.D
Acq On : 11 May 2016 11:02
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Sample : H2938-12DL 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

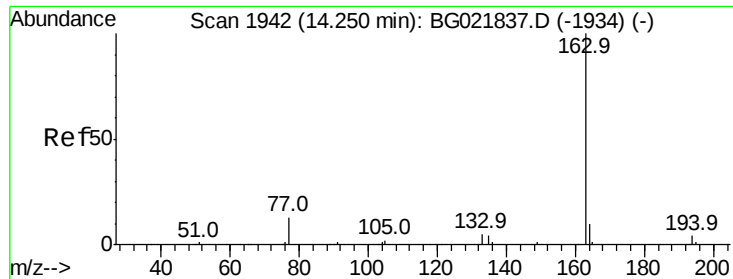
Instrument :
BNA_G
ClientSampleId :
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Quant Time: May 12 05:09:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
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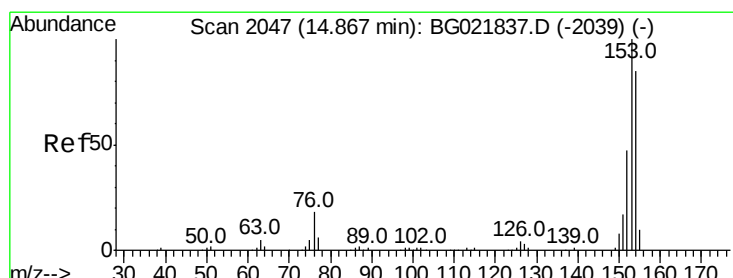
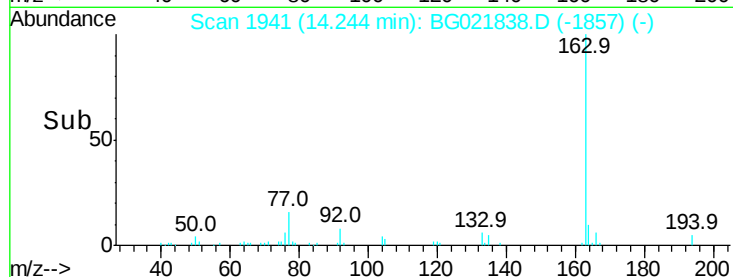
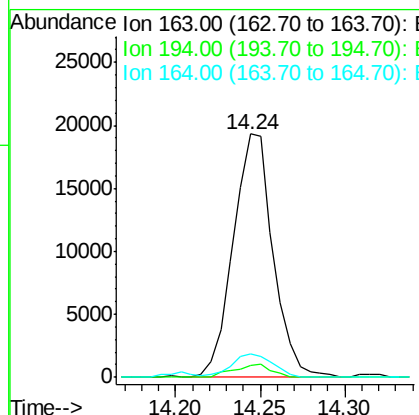
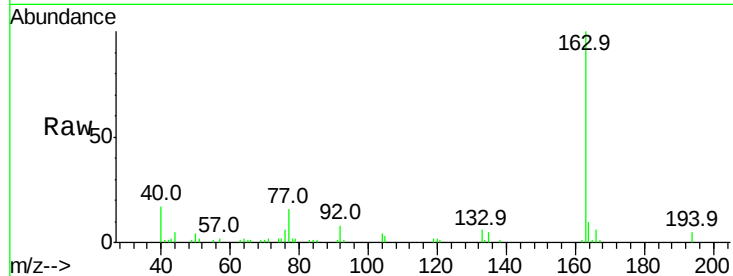
#45
Dimethylphthalate
Concen: 2.39 ng/ul
RT: 14.24 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Instrument :
BNA_G
ClientSampleId :
D9XB0DL

Tot Ion:	163	Resp:	31695
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.9	5.9
164	9.6	8.7	13.1

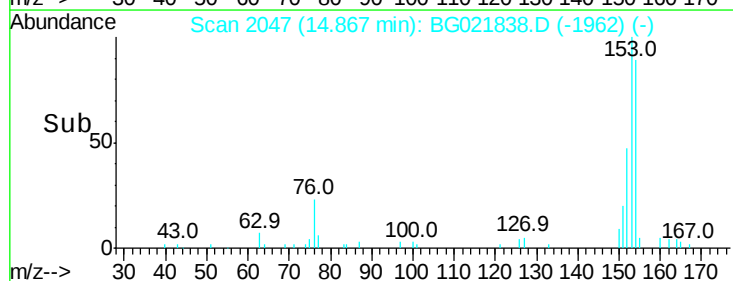
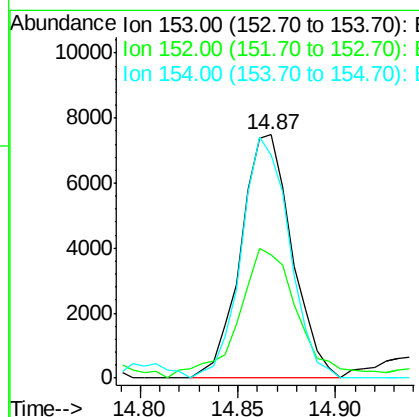
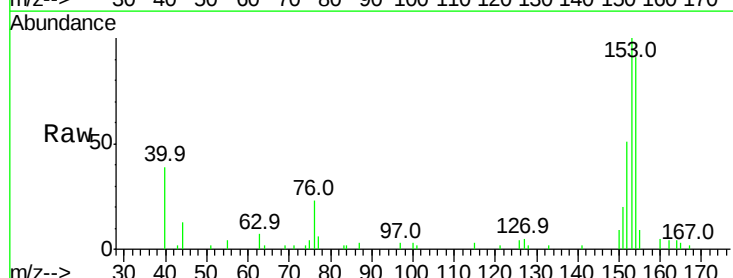
Manual Integrations
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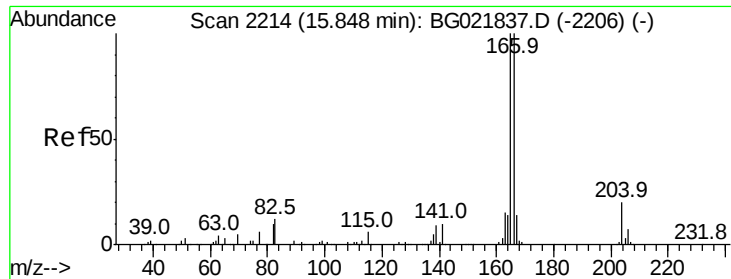
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#50
Acenaphthene
Concen: 1.03 ng/ul
RT: 14.87 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Tgt Ion:	153	Resp:	13580
Ion Ratio	Lower	Upper	
153	100		
152	50.7	36.5	54.7
154	91.4	67.3	100.9





#59

Fluorene

Concen: 1.15 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Instrument :

BNA_G

ClientSampleId :

D9XB0DL

Tot Ion:166 Resp: 17576

Ion Ratio Lower Upper

166 100

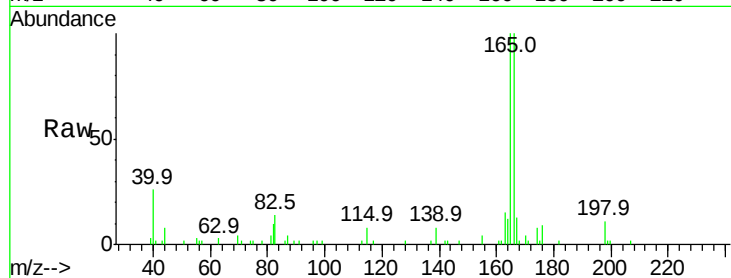
165 99.7 81.1 121.7

167 13.5 10.6 16.0

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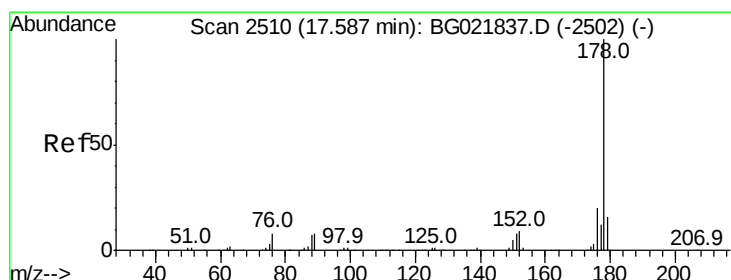
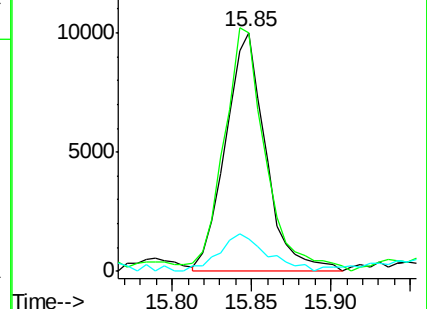
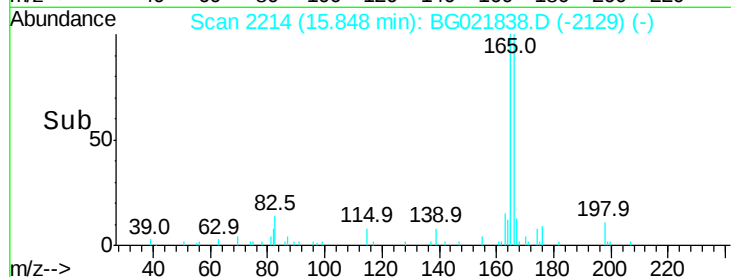
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 22.71 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

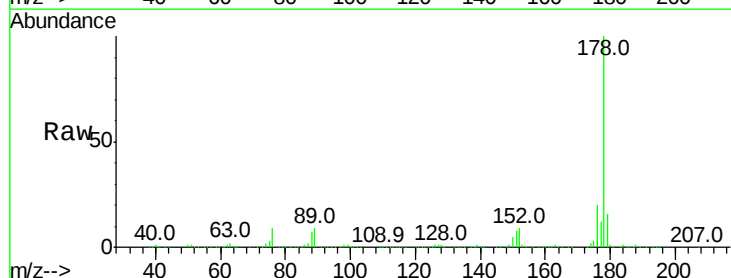
Tgt Ion:178 Resp: 508551

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

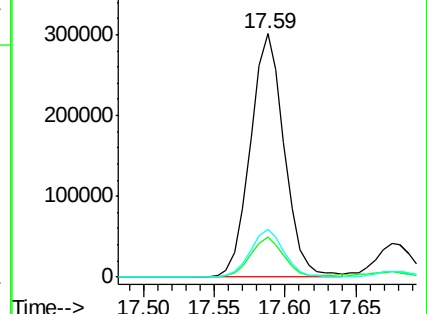
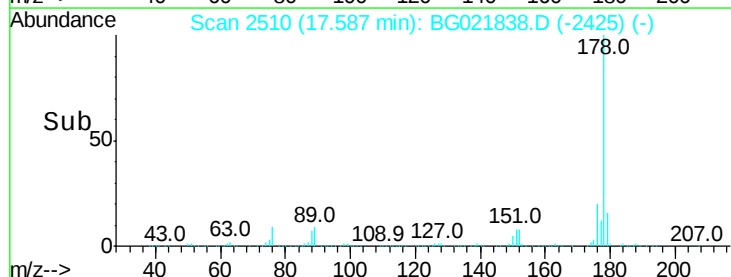
176 19.6 14.8 22.2

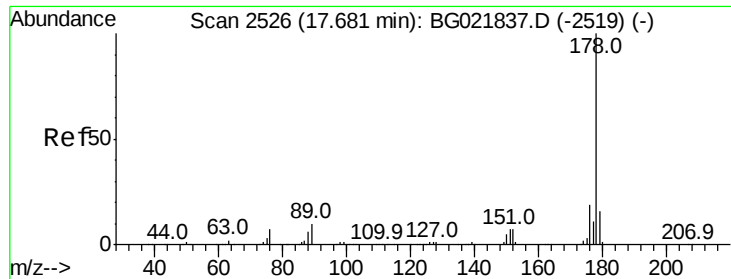


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.93 ng/ul

RT: 17.68 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Instrument :

BNA_G

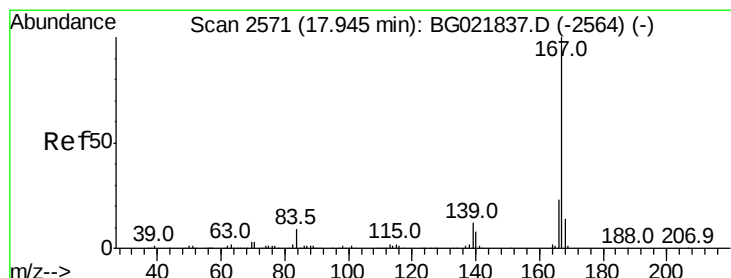
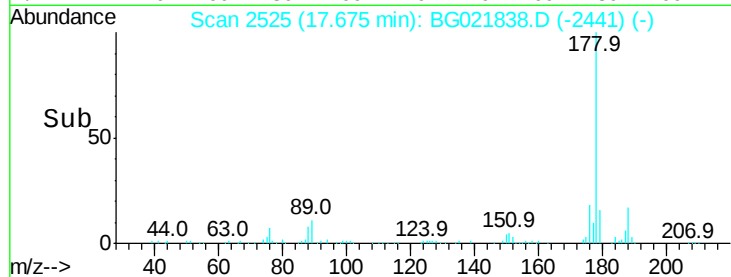
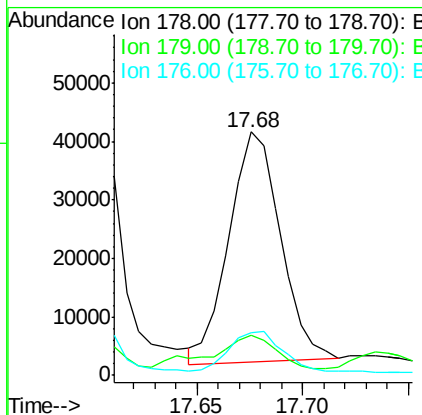
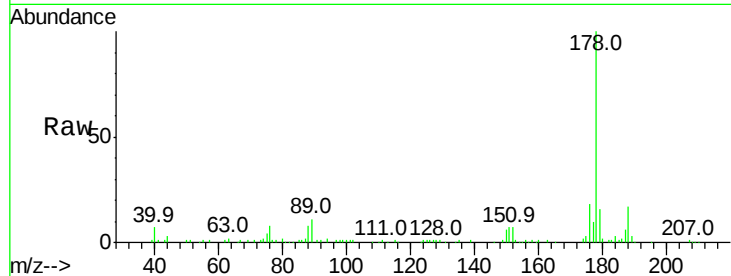
ClientSampleId :

D9XB0DL

Tot Ion:	178	Resp:	66684
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.9	19.3
176	17.7	15.6	23.4

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#73

Carbazole

Concen: 3.03 ng/ul

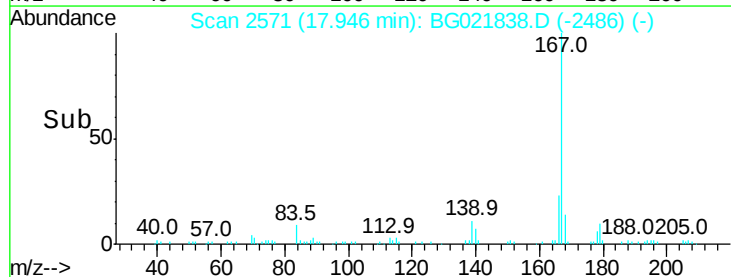
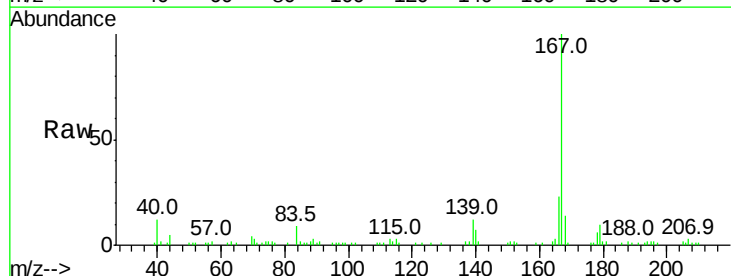
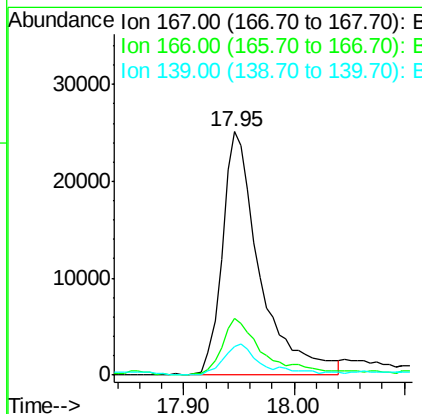
RT: 17.95 min Scan# 2571

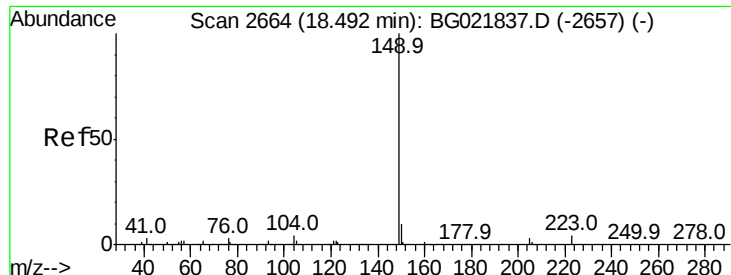
Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Tgt Ion:	167	Resp:	59711
Ion Ratio	Lower	Upper	
167	100		
166	23.1	19.0	28.4
139	11.7	12.2	18.4#





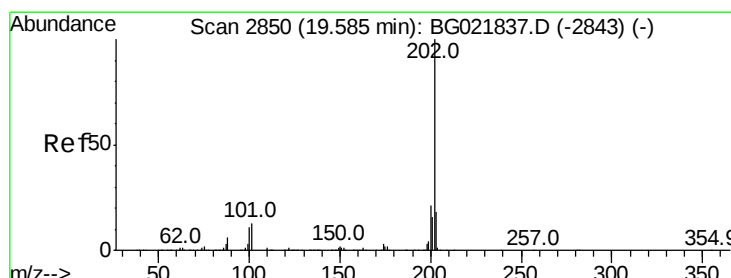
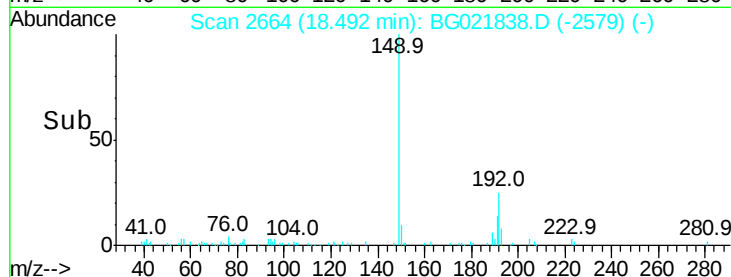
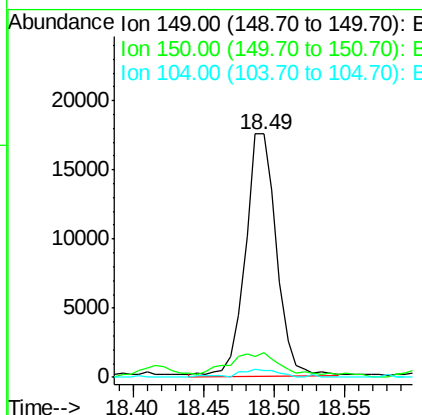
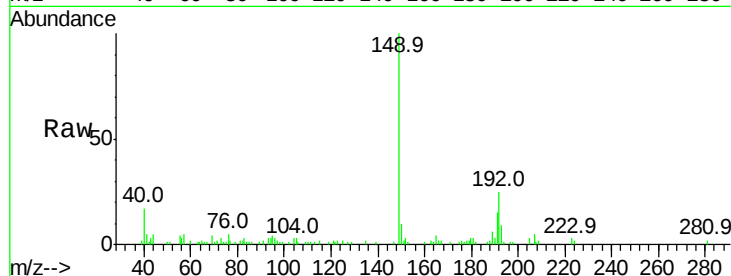
#74
Di-n-butylphthalate
Concen: 1.51 ng/ul
RT: 18.49 min Scan# 2664
Delta R.T. 0.00 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Instrument :
BNA_G
ClientSampleId :
D9XB0DL

Tot Ion	Ratio	Resp	Lower	Upper
149	100	27109		
150	10.0		7.5	11.3
104	2.9		5.4	8.2#

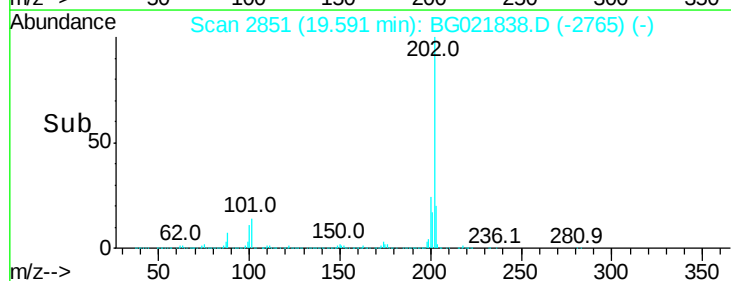
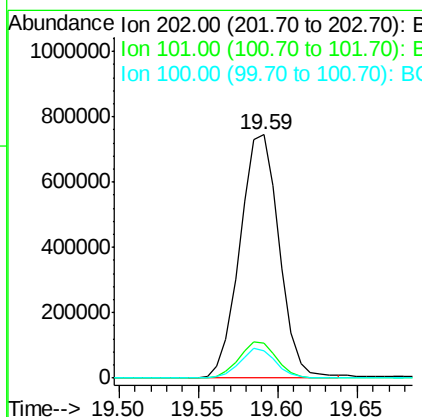
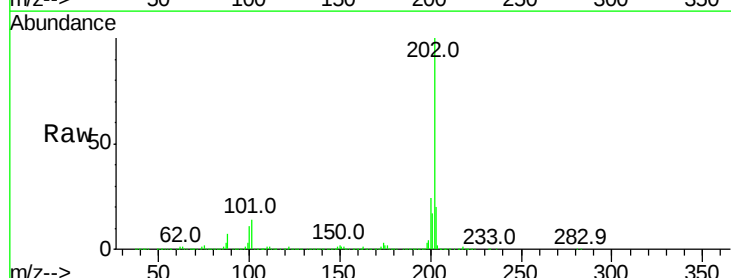
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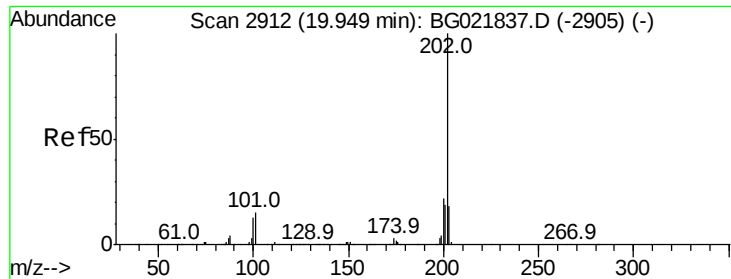
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#75
Fluoranthene
Concen: 50.18 ng/ul
RT: 19.59 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1276787		
101	14.3		8.9	13.3#
100	11.4		7.0	10.4#





#78

Pvrene

Concen: 39.15 ng/ul m

RT: 19.95 min Scan# 2912

Delta R.T. 0.00 min

Lab File: BG021838.D

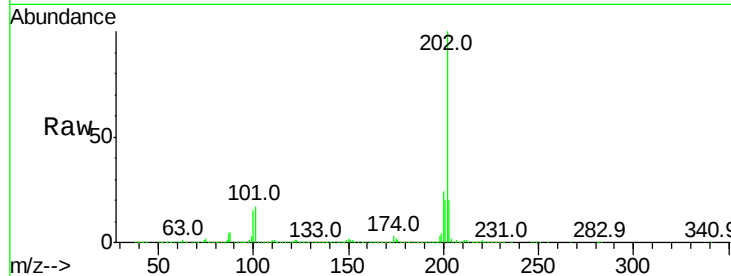
Acq: 11 May 2016 11:02

Instrument :

BNA_G

ClientSampleId :

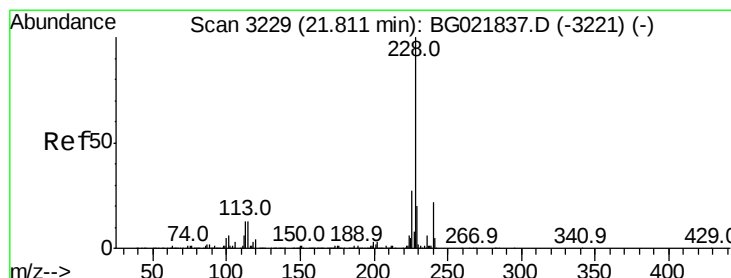
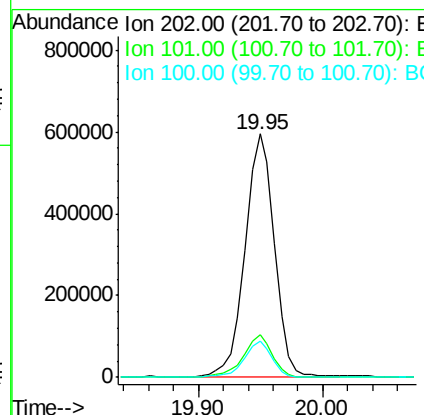
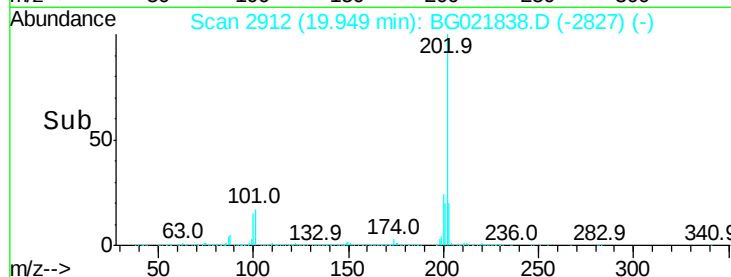
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Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	17.3	9.8	14.8#	
100	15.0	9.3	13.9#	

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#81

Benzo(a)anthracene

Concen: 24.32 ng/ul

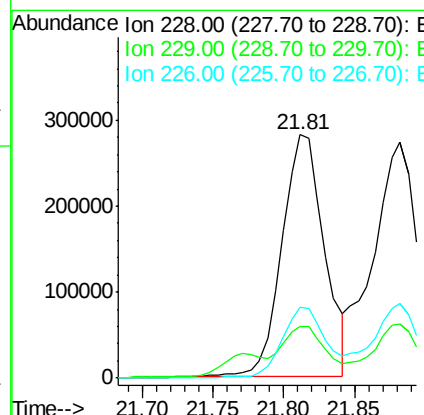
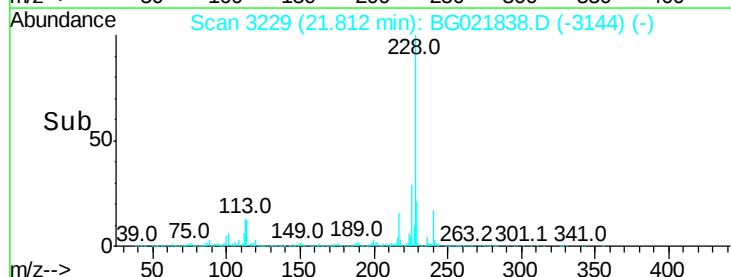
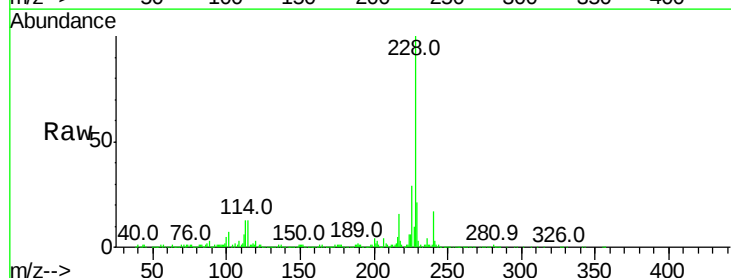
RT: 21.81 min Scan# 3229

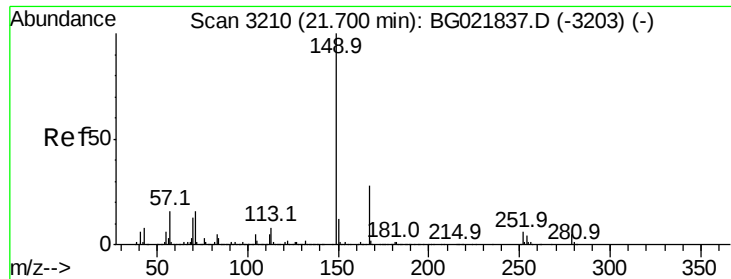
Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	21.4	16.6	25.0	
226	29.3	21.0	31.4	





#82

Bis(2-ethylhexyl)phthalate

Concen: 8.13 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Instrument :

BNA_G

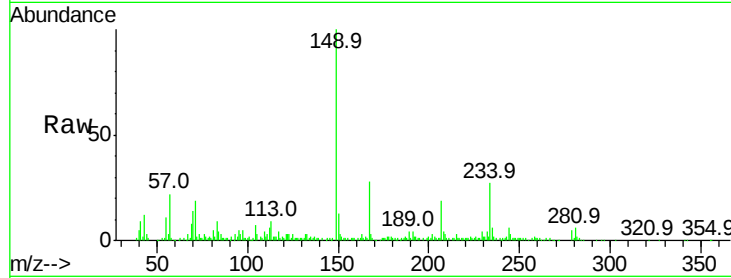
ClientSampleId :

D9XB0DL

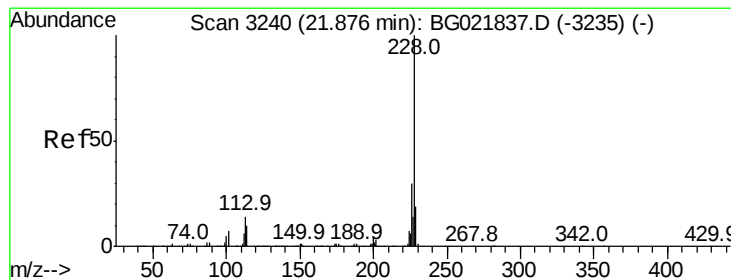
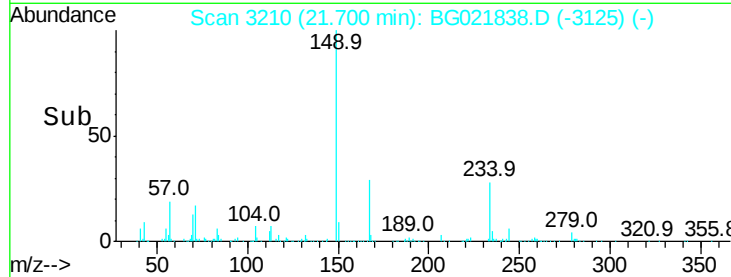
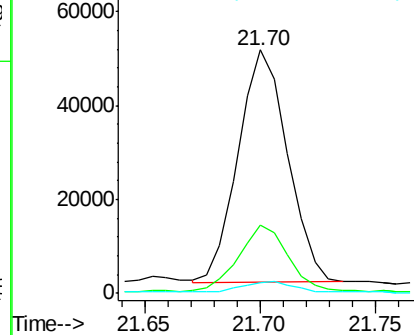
Tot Ion:	149	Resp:	73486
Ion Ratio	Lower	Upper	
149	100		
167	28.3	20.5	30.7
279	4.5	3.7	5.5

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#83

Chrysene

Concen: 25.21 ng/ul

RT: 21.88 min Scan# 3241

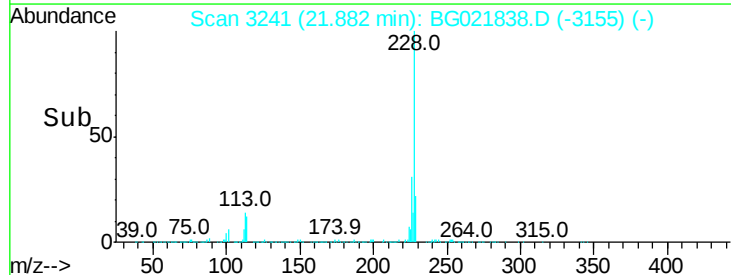
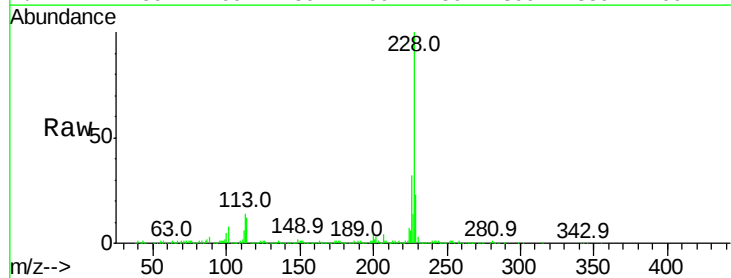
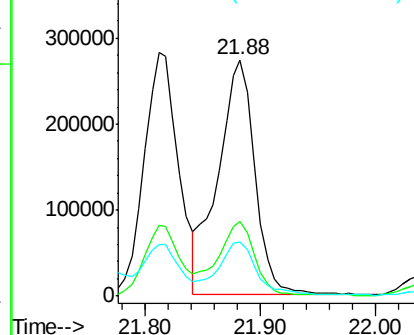
Delta R.T. 0.01 min

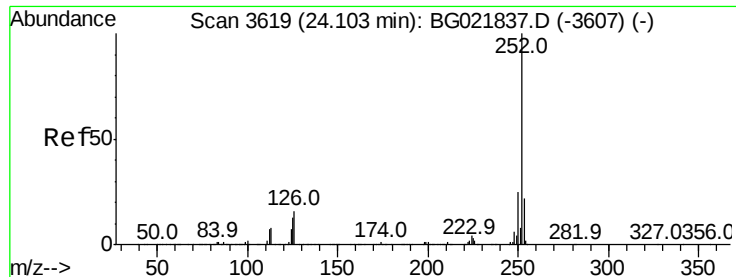
Lab File: BG021838.D

Acq: 11 May 2016 11:02

Tgt Ion:	228	Resp:	600519
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.4	35.2
229	22.9	16.2	24.2

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





#86

Benzo(b)fluoranthene

Concen: 36.31 ng/ul

RT: 24.11 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Instrument :

BNA_G

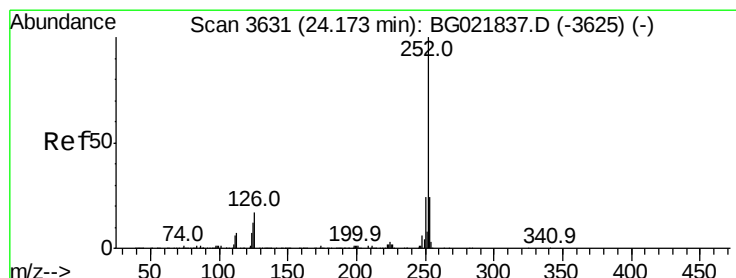
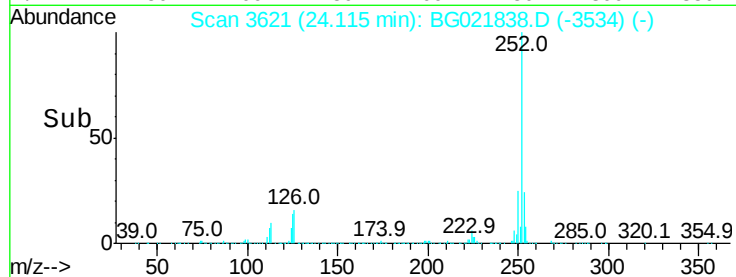
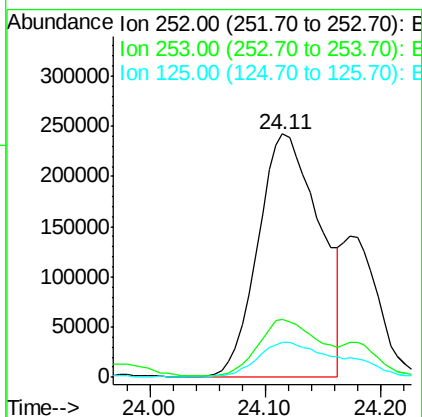
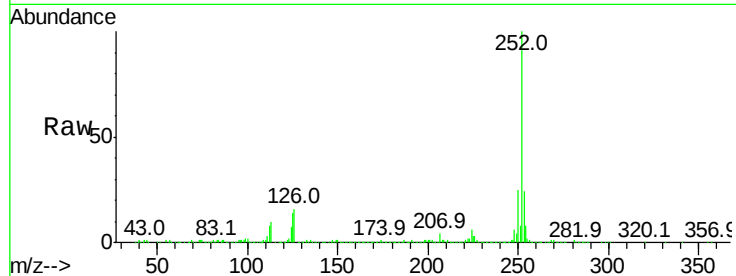
ClientSampleId :

D9XB0DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	897835		
253	23.9	18.1	27.1	
125	14.2	7.6	11.4	

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#87

Benzo(k)fluoranthene

Concen: 11.64 ng/ul m

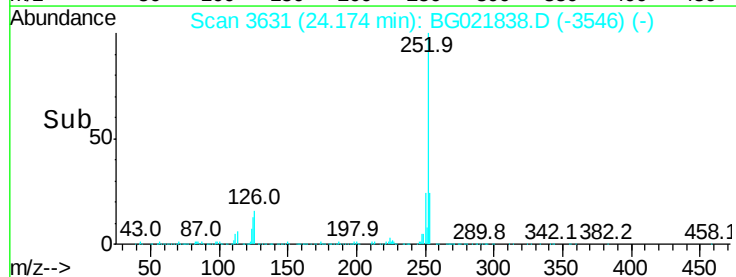
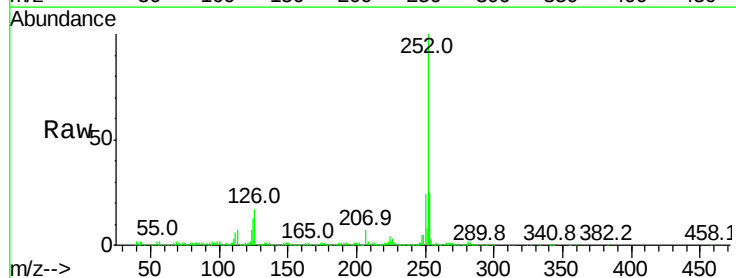
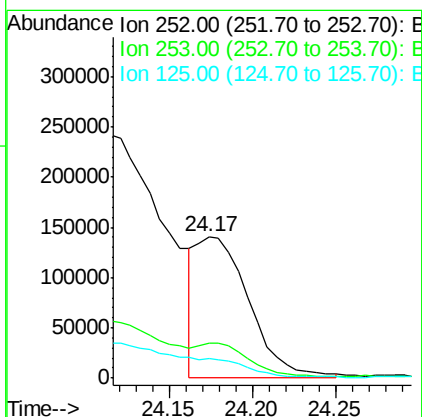
RT: 24.17 min Scan# 3631

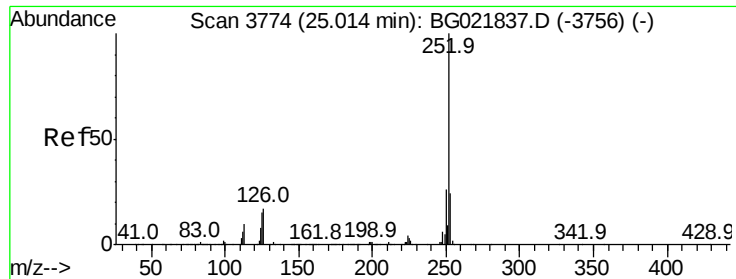
Delta R.T. 0.00 min

Lab File: BG021838.D

Acq: 11 May 2016 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	308174		
253	24.8	17.8	26.8	
125	13.5	7.7	11.5	





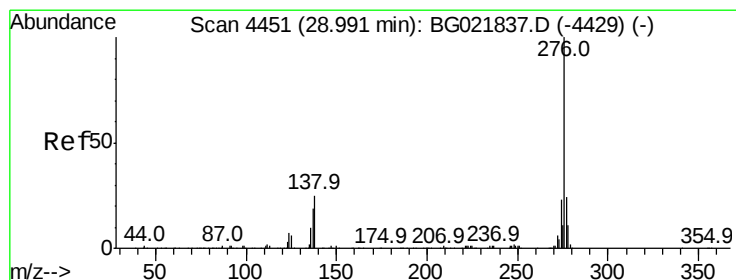
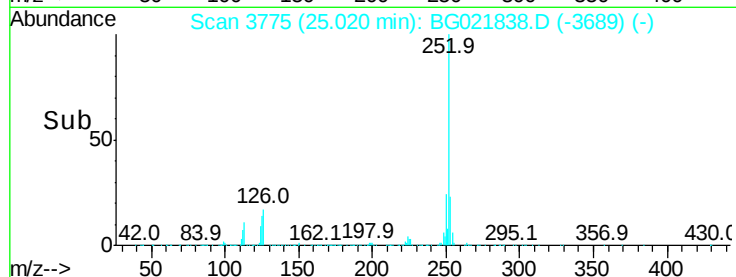
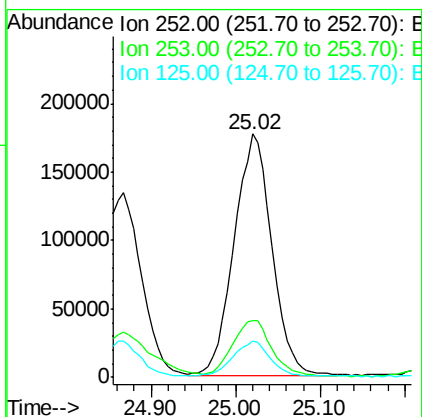
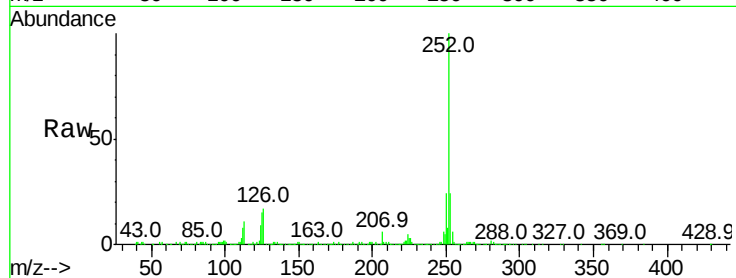
#89
Benzo(a)pyrene
Concen: 22.24 ng/ul
RT: 25.02 min Scan# 3775
Delta R.T. 0.01 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Instrument :
BNA_G
ClientSampleId :
D9XB0DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.4	26.0
125	14.8	8.2	12.2

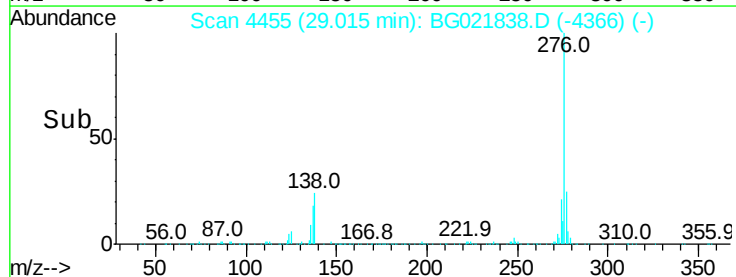
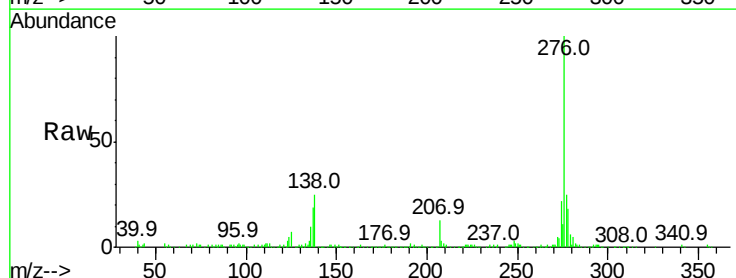
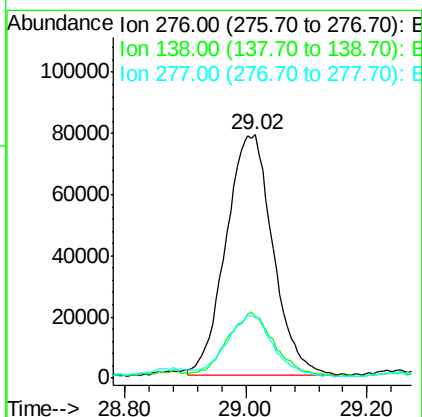
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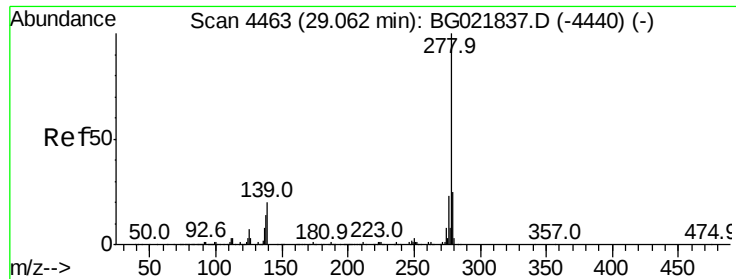
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#90
Indeno(1,2,3-cd)pyrene
Concen: 14.48 ng/ul
RT: 29.02 min Scan# 4455
Delta R.T. 0.02 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.3	15.8	23.6
277	25.1	19.0	28.6





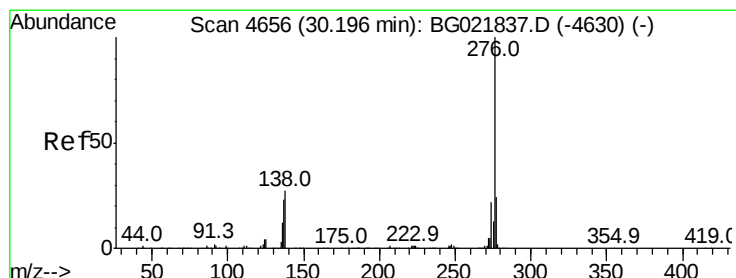
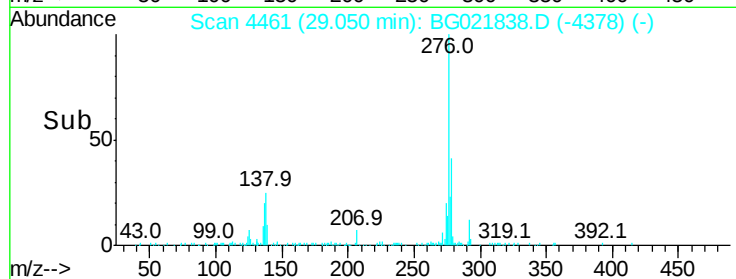
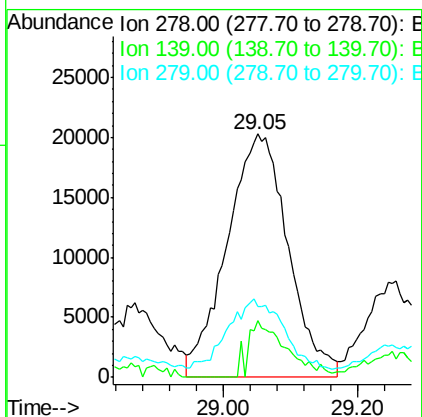
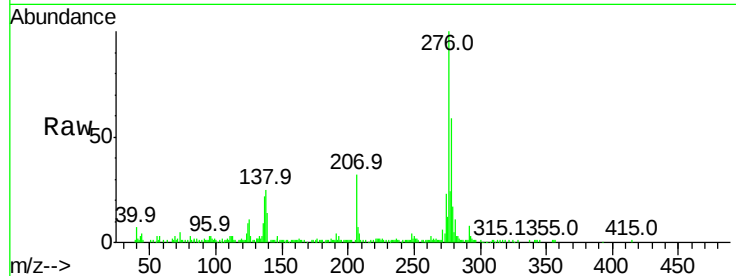
#91
Dibenzo(a,h)anthracene
Concen: 5.28 ng/ul m
RT: 29.05 min Scan# 4461
Delta R.T. -0.01 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Instrument :
BNA_G
ClientSampleId :
D9XB0DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.3	12.1	18.1#
279	29.1	19.8	29.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 13.87 ng/ul
RT: 30.20 min Scan# 4657
Delta R.T. 0.01 min
Lab File: BG021838.D
Acq: 11 May 2016 11:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	13.9	20.9#
277	24.6	19.8	29.6

