

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
 APPROVED

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 5/13/2016 8:13:00 PM

Quant Time: May 13 07:51:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	69558	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	381532	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	233171	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	477500	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	467554	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	470361	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	5870	4.07	ng/uL	0.00
5) Phenol-d5	7.32	99	144847	28.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	65249	25.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	127720	31.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	113853m	26.26	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	67063	26.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	76418	48.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	136995	30.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	103952m	21.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	428976	26.19	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	578019	24.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	67831m	24.16	ng/ul	0.00
58) Fluorene-d10	15.78	176	391329	22.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	36505m	27.60	ng/ul	0.00
71) Anthracene-d10	17.64	188	527455	22.69	ng/ul	0.00
77) Pyrene-d10	19.92	212	548382m	25.06	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	527610	23.61	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	14.24	163	80086	4.80	ng/ul	98
70) Phenanthrene	17.58	178	183571	7.03	ng/ul	98
72) Anthracene	17.67	178	38718	1.46	ng/ul	98
73) Carbazole	17.95	167	27837m	1.21	ng/ul	
75) Fluoranthene	19.58	202	423455	14.28	ng/ul#	95
78) Pyrene	19.94	202	373024m	13.79	ng/ul	
79) Butylbenzylphthalate	20.81	149	10038m	1.68	ng/ul	
81) Benzo(a)anthracene	21.81	228	213886	8.22	ng/ul	96
82) Bis(2-ethylhexyl)phthalate	21.69	149	110454	11.31	ng/ul	95
83) Chrysene	21.87	228	219762	8.54	ng/ul	97
86) Benzo(b)fluoranthene	24.10	252	361103	13.41	ng/ul#	96
87) Benzo(k)fluoranthene	24.16	252	83915m	2.91	ng/ul	
89) Benzo(a)pyrene	25.01	252	224560	8.38	ng/ul#	94
90) Indeno(1,2,3-cd)pyrene	28.98	276	157034	4.94	ng/ul#	95
91) Dibenzo(a,h)anthracene	29.04	278	42043m	1.59	ng/ul	
92) Benzo(g,h,i)perylene	30.19	276	153178m	5.84	ng/ul	

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

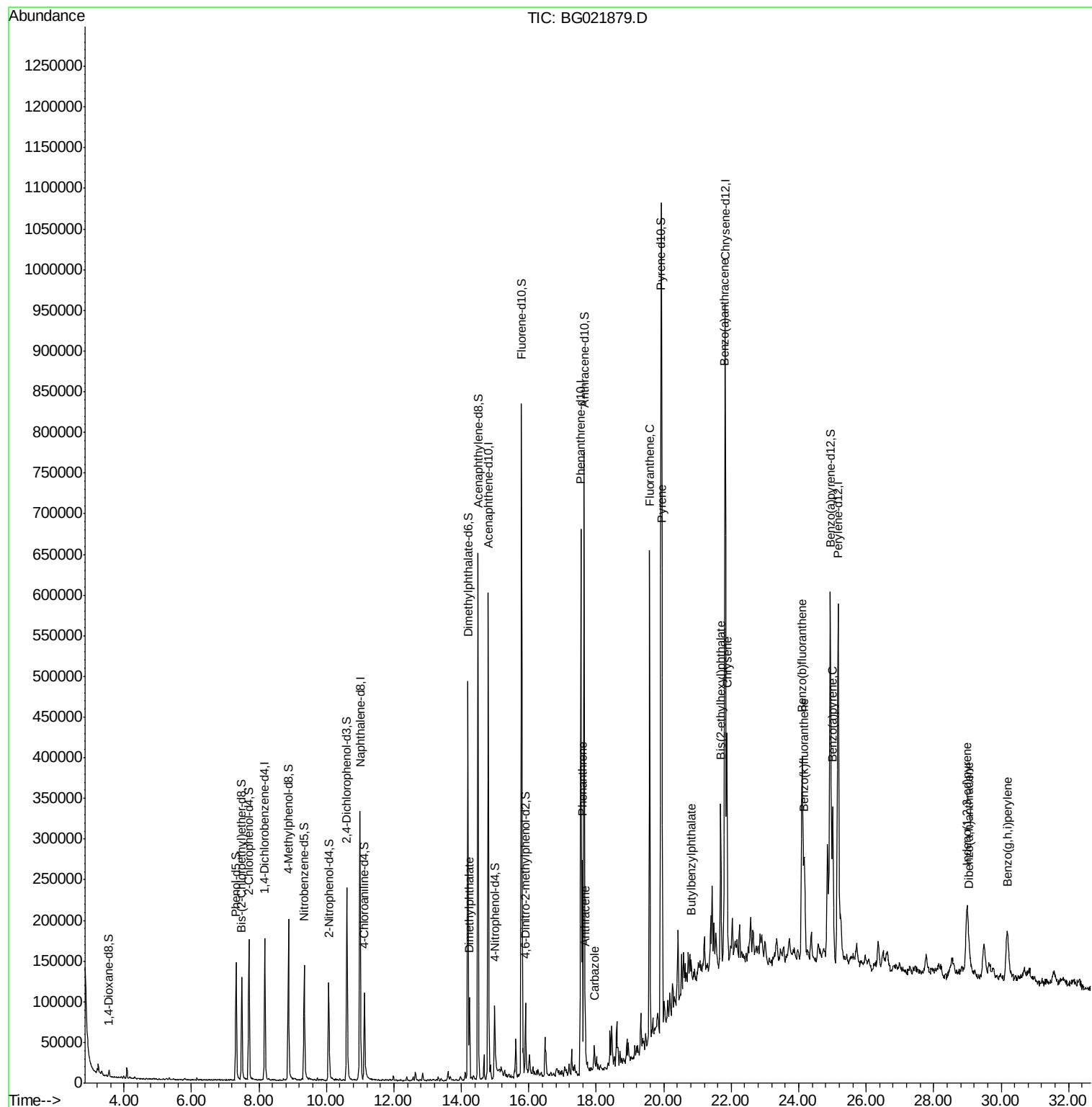
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021879.D
Acq On : 12 May 2016 21:56
Operator : UM/SJ
Sample : H2936-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

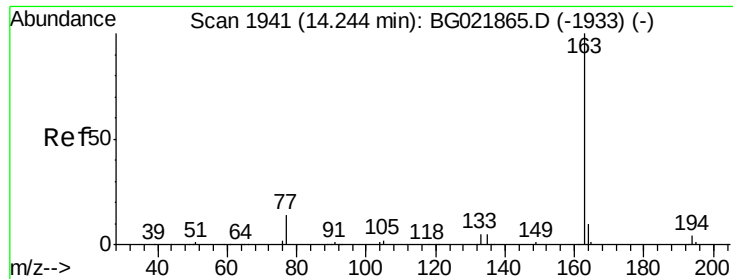
Instrument :
BNA_G
ClientSampleId :
D9WK6

Manual Integrations
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Quant Time: May 13 07:51:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





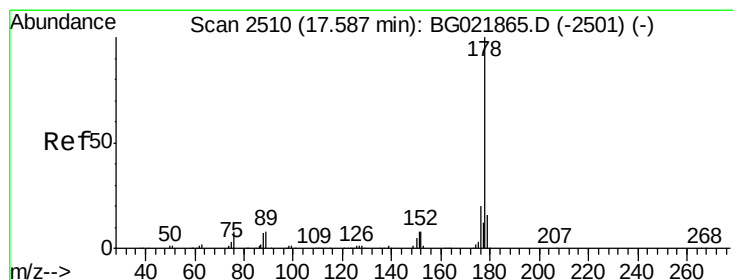
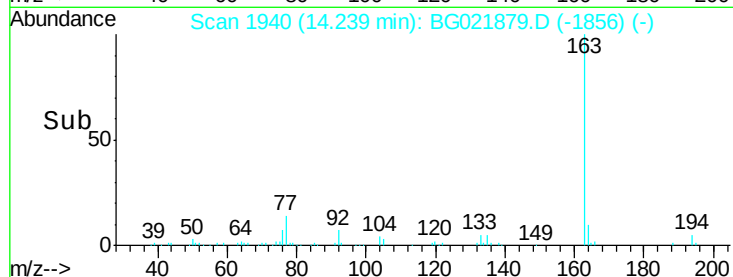
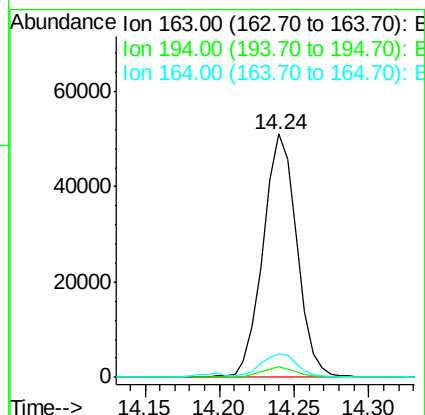
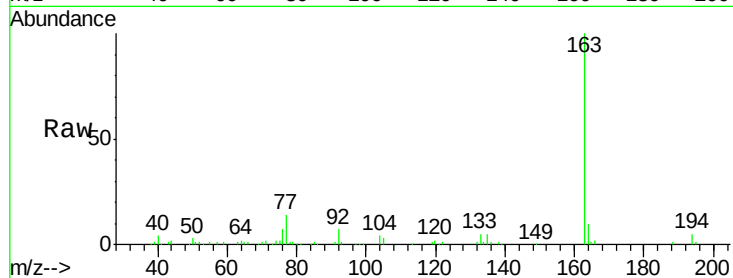
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Dimethylphthalate
Concen: 4.80 ng/ul
RT: 14.24 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Instrument :
BNA_G
ClientSampleId :
D9WK6

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.5	3.9	5.9
164	9.8	8.7	13.1

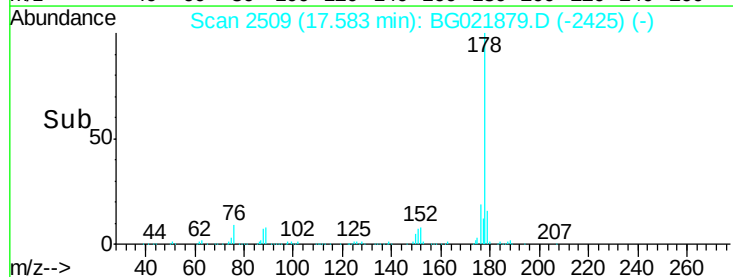
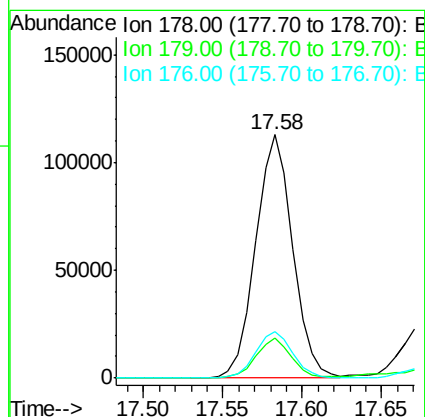
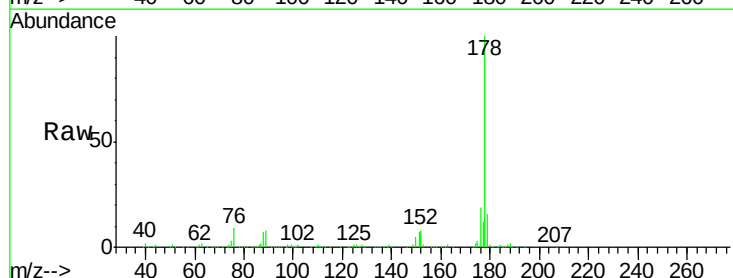
Manual Integrations
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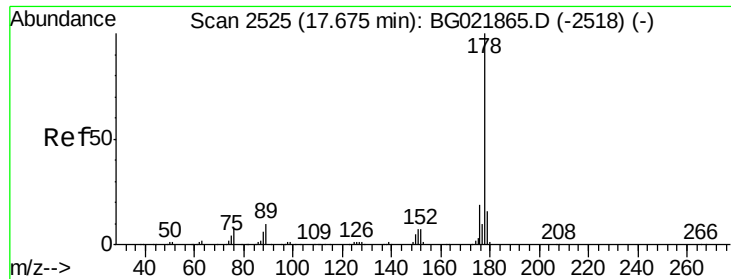
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#70
Phenanthrene
Concen: 7.03 ng/ul
RT: 17.58 min Scan# 2509
Delta R.T. -0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	16.5	11.8	17.8
176	18.9	14.8	22.2





#72

Anthracene

Concen: 1.46 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG021879.D

Acq: 12 May 2016 21:56

Instrument :

BNA_G

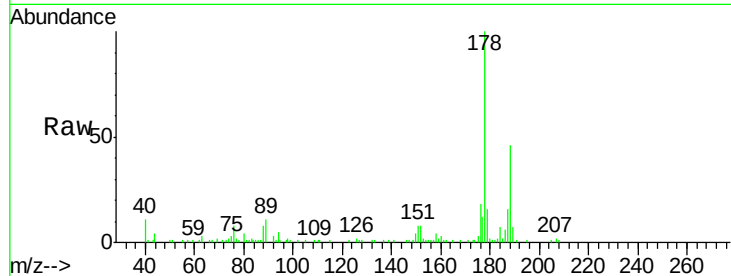
ClientSampleId :

D9WK6

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	38718		
179	15.8	12.9	19.3	
176	18.4	15.6	23.4	

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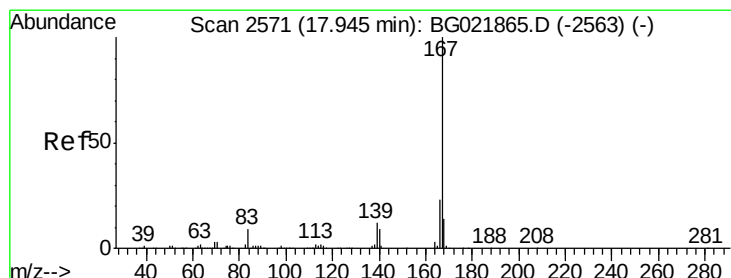
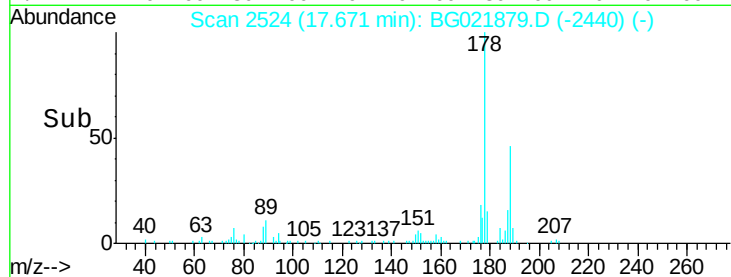
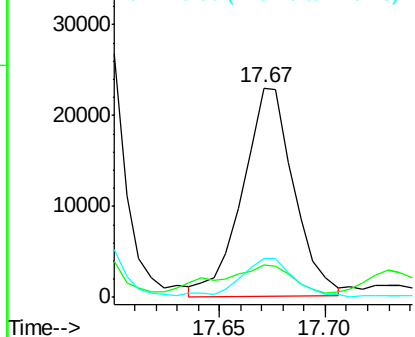
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#73

Carbazole

Concen: 1.21 ng/ul m

RT: 17.95 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BG021879.D

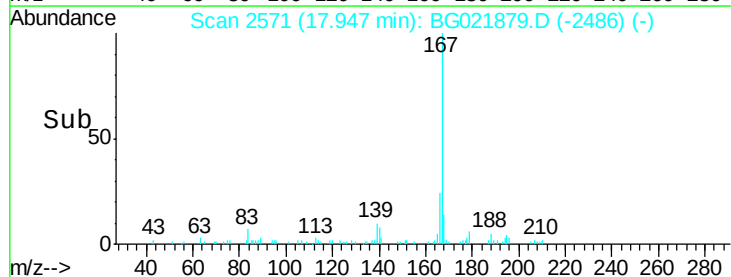
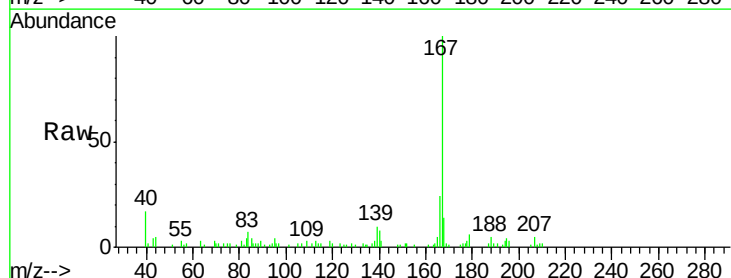
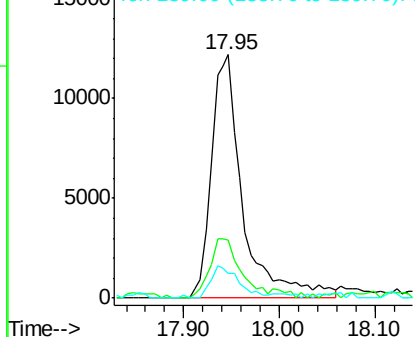
Acq: 12 May 2016 21:56

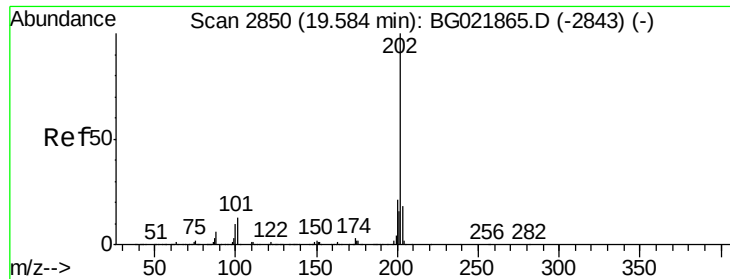
Tgt Ion	Ratio	Resp	Lower	Upper
167	100	27837		
166	24.0	19.0	28.4	
139	10.1	12.2	18.4#	

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





#75

Fluoranthene

Concen: 14.28 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG021879.D

Acq: 12 May 2016 21:56

Instrument :

BNA_G

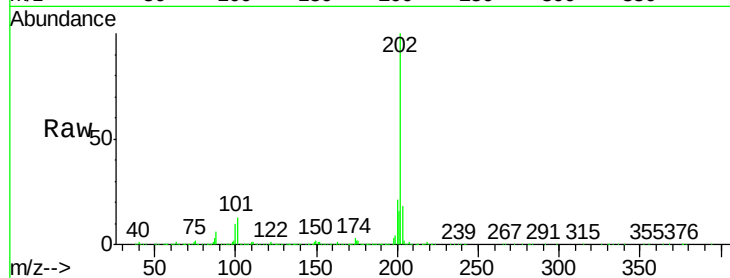
ClientSampleId :

D9WK6

Tgt	Ion	202	Resp	423455
Ion	Ratio	Lower	Upper	
202	100			
101	13.4	8.9	13.3#	
100	10.0	7.0	10.4	

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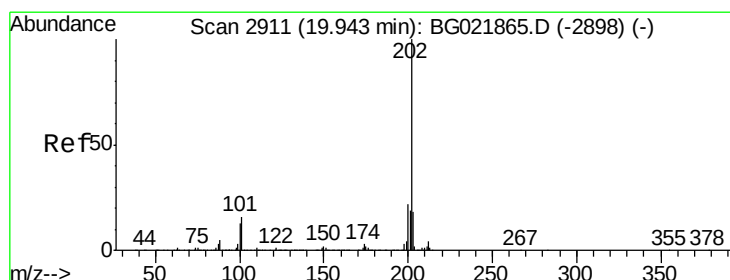
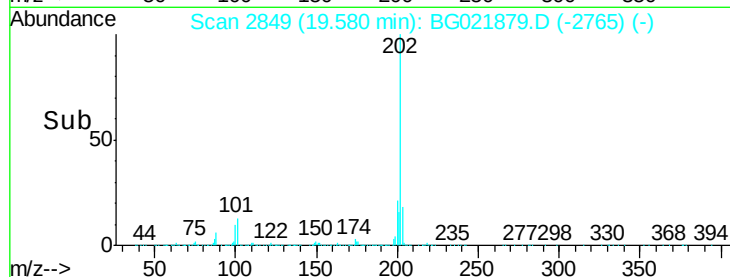
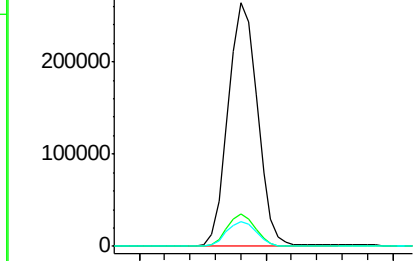
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#78

Pyrene

Concen: 13.79 ng/ul m

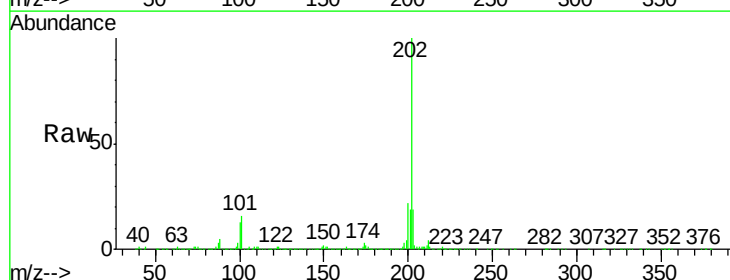
RT: 19.94 min Scan# 2911

Delta R.T. 0.00 min

Lab File: BG021879.D

Acq: 12 May 2016 21:56

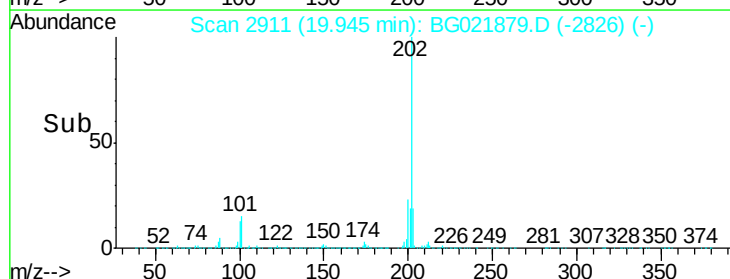
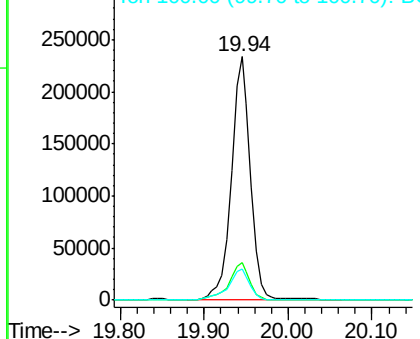
Tgt	Ion	202	Resp	373024
Ion	Ratio	Lower	Upper	
202	100			
101	15.6	9.8	14.8#	
100	12.8	9.3	13.9	

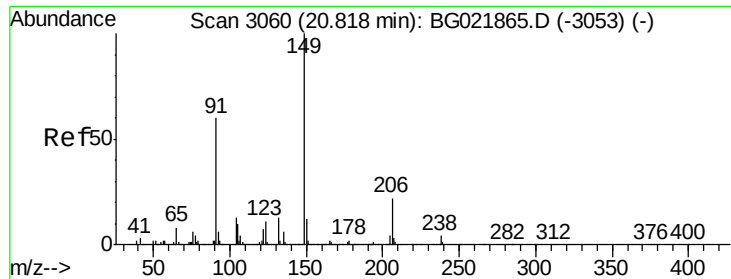


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





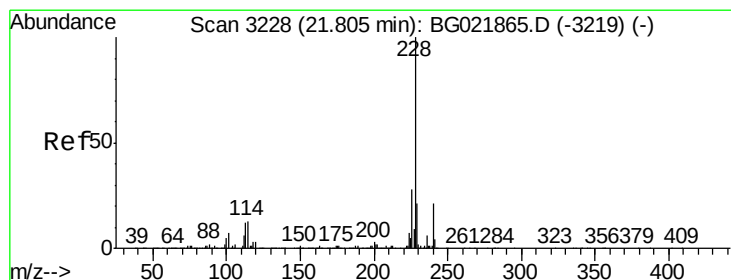
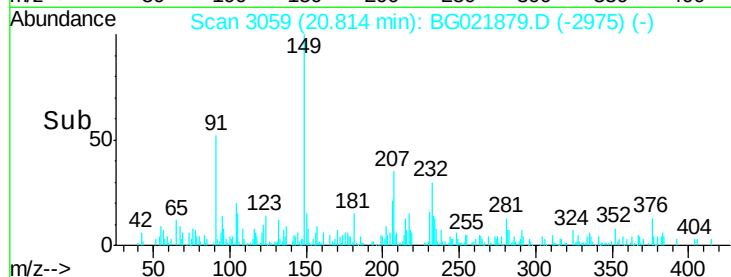
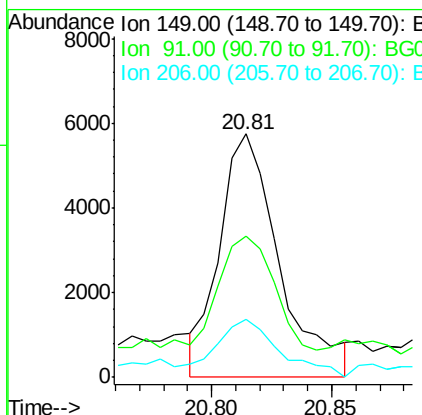
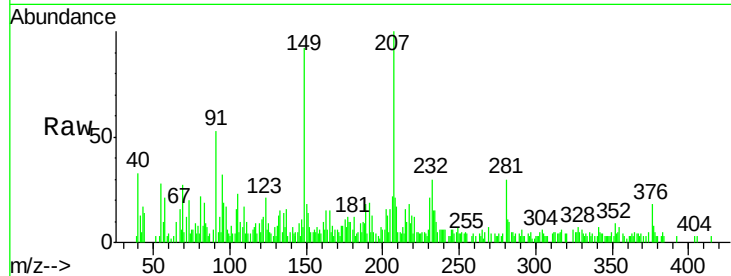
#79
Butylbenzylphthalate
Concen: 1.68 ng/ul m
RT: 20.81 min Scan# 3059
Delta R.T. -0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Instrument :
BNA_G
ClientSampleId :
D9WK6

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	10038		
91	57.8	65.8	98.8#	
206	23.7	15.5	23.3#	

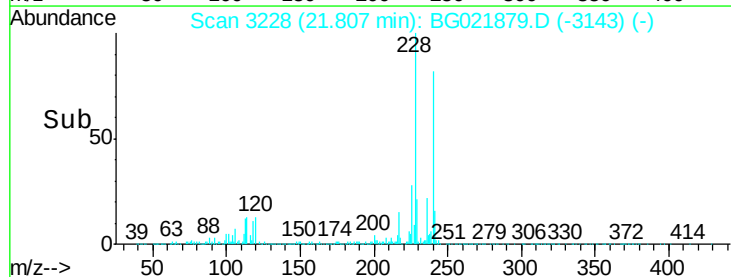
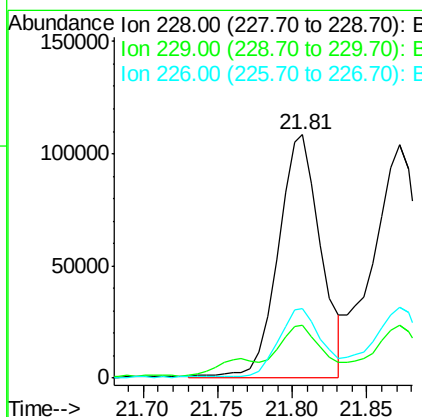
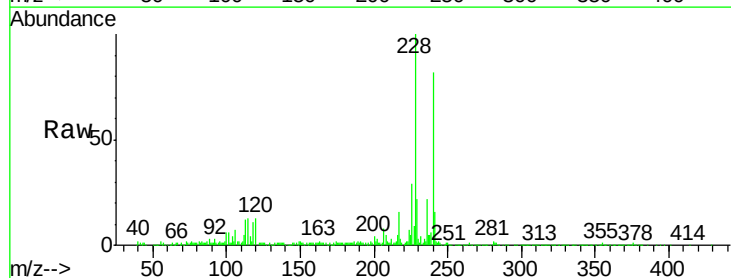
Manual Integrations
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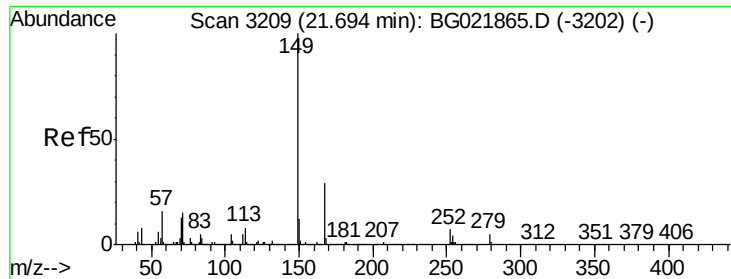
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#81
Benzo(a)anthracene
Concen: 8.22 ng/ul
RT: 21.81 min Scan# 3228
Delta R.T. 0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	213886		
229	21.7	16.6	25.0	
226	28.8	21.0	31.4	





#82

Bis(2-ethylhexyl)phthalate

Concen: 11.31 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BG021879.D

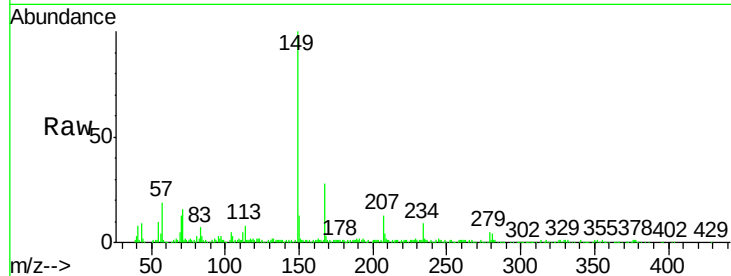
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Instrument :

BNA_G

ClientSampleId :

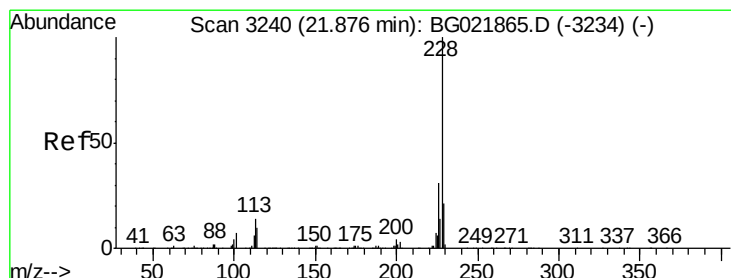
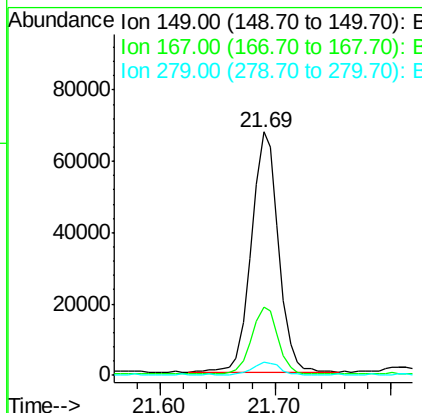
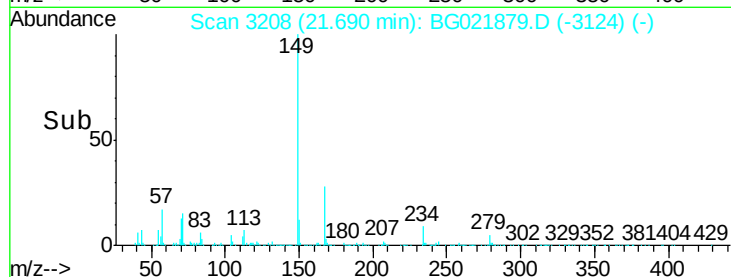
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Tgt Ion:	149	Resp:	110454
Ion Ratio	Lower	Upper	
149	100		
167	28.2	20.5	30.7
279	5.2	3.7	5.5

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#83

Chrysene

Concen: 8.54 ng/ul

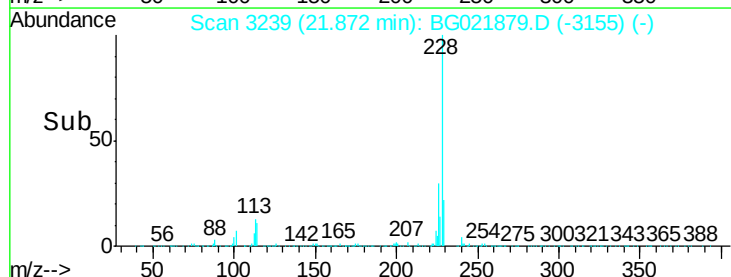
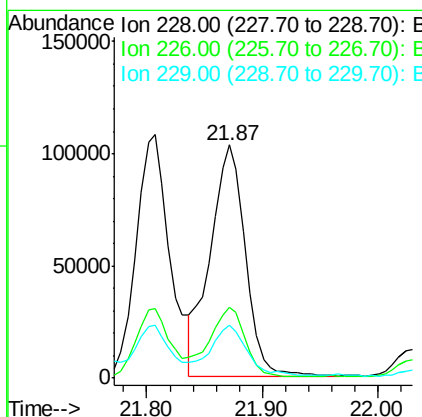
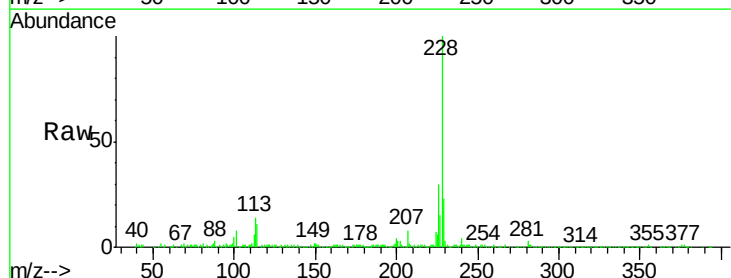
RT: 21.87 min Scan# 3239

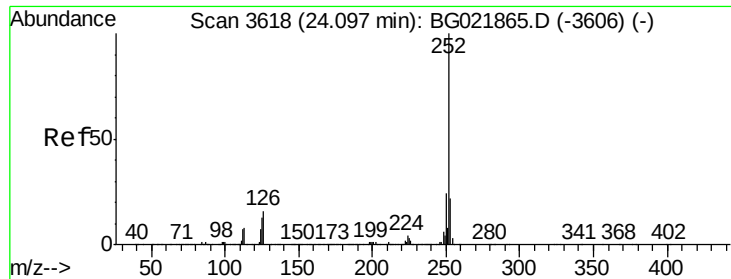
Delta R.T. -0.00 min

Lab File: BG021879.D

Acq: 12 May 2016 21:56

Tgt Ion:	228	Resp:	219762
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.4	35.2
229	22.7	16.2	24.2





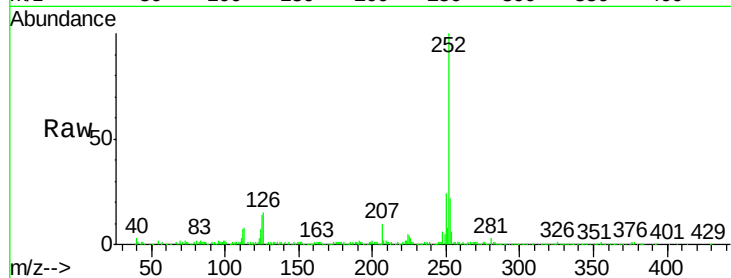
#86
Benzo(b)fluoranthene
Concen: 13.41 ng/ul
RT: 24.10 min Scan# 3619
Delta R.T. 0.01 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Instrument :
BNA_G
ClientSampleId :
D9WK6

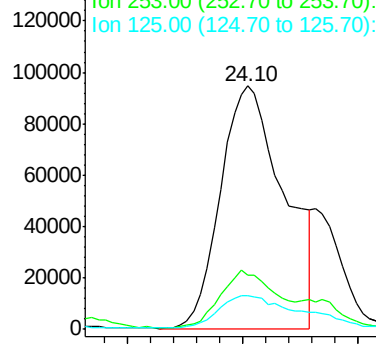
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.3	18.1	27.1
125	13.8	7.6	11.4

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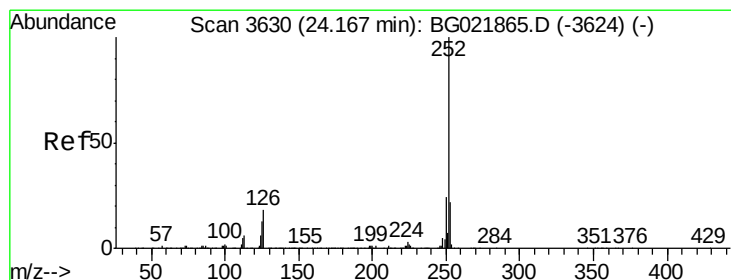
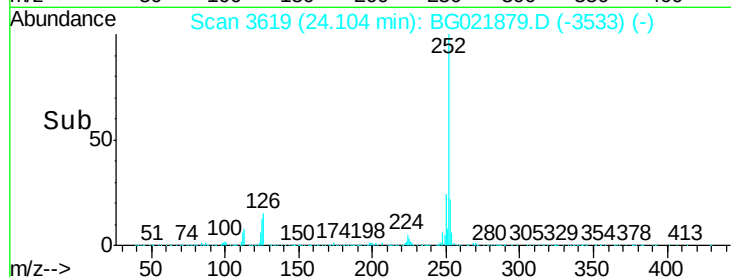
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



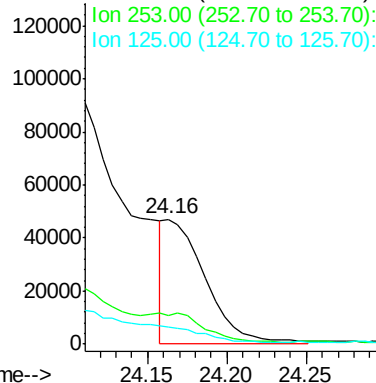
Time-->



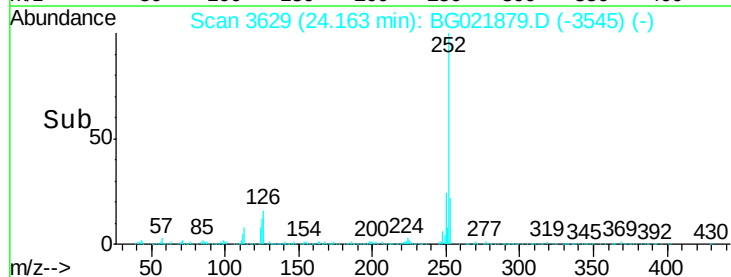
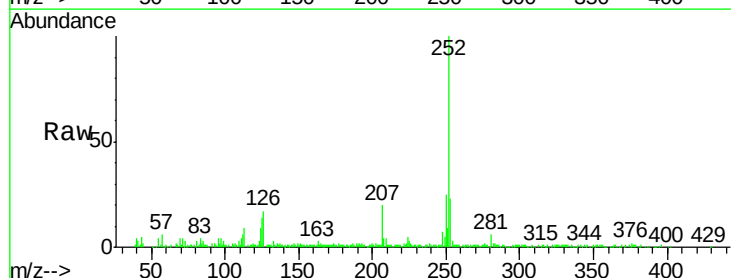
#87
Benzo(k)fluoranthene
Concen: 2.91 ng/ul m
RT: 24.16 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

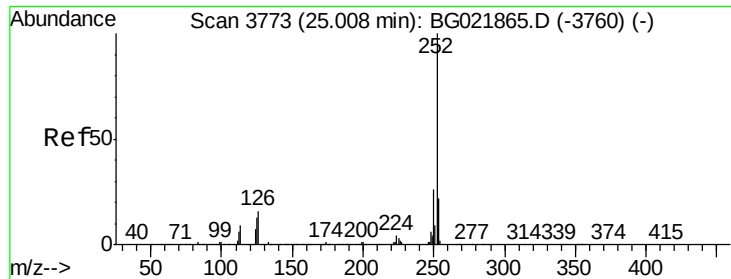
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	17.8	26.8
125	13.8	7.7	11.5

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-->





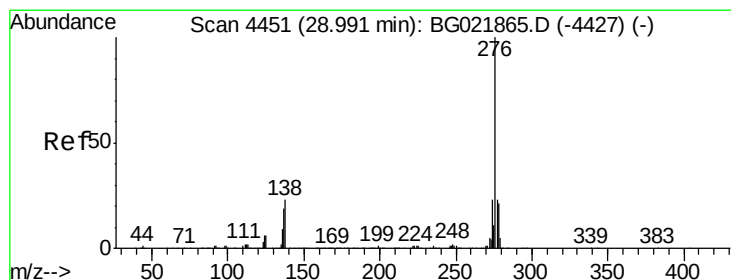
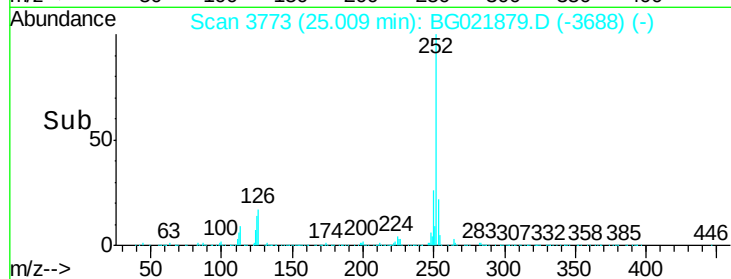
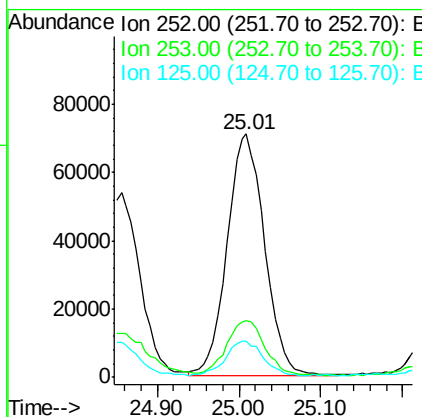
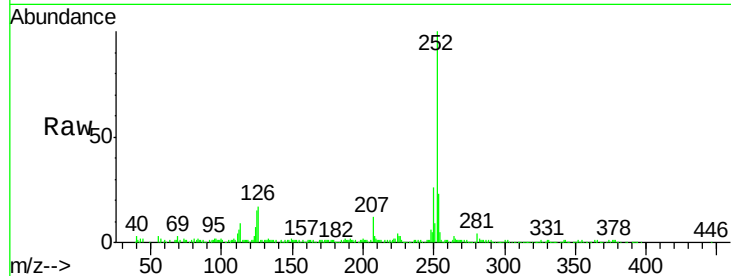
#89
Benzo(a)pyrene
Concen: 8.38 ng/ul
RT: 25.01 min Scan# 3773
Delta R.T. 0.00 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Instrument :
BNA_G
ClientSampleId :
D9WK6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	17.4	26.0
125	15.1	8.2	12.2

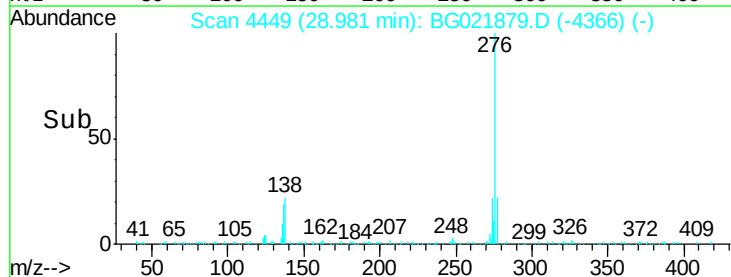
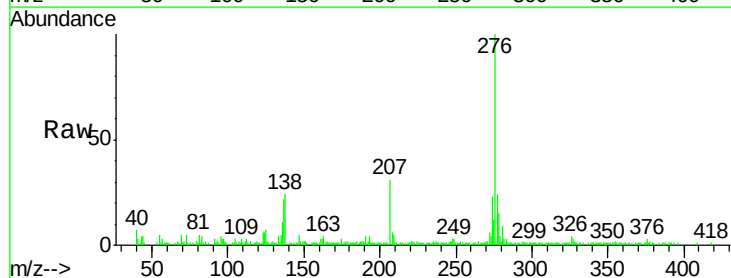
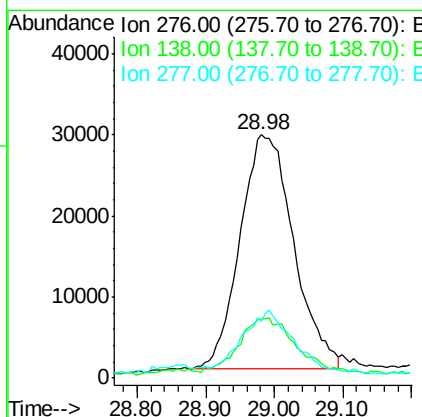
Manual Integrations
APPROVED

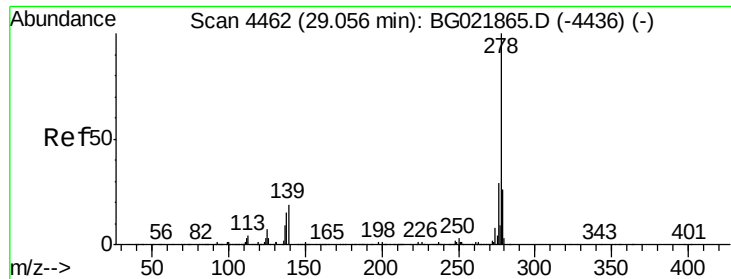
sohil
5/13/2016 8:13:00 PM



#90
Indeno(1,2,3-cd)pyrene
Concen: 4.94 ng/ul
RT: 28.98 min Scan# 4449
Delta R.T. -0.01 min
Lab File: BG021879.D
Acq: 12 May 2016 21:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.5	15.8	23.6
277	23.5	19.0	28.6





#91

Dibenzo(a,h)anthracene

Concen: 1.59 ng/ul m

RT: 29.04 min Scan# 4459

Delta R.T. -0.02 min

Lab File: BG021879.D

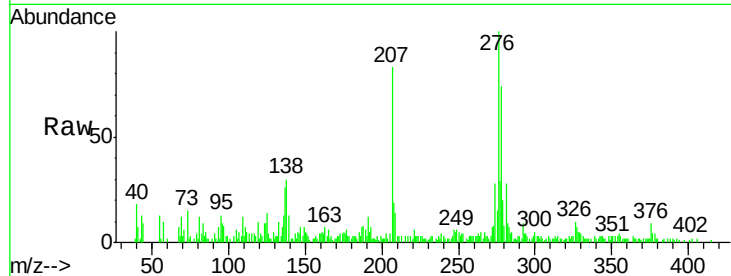
Acq: 12 May 2016 21:56

Instrument :

BNA_G

ClientSampled :

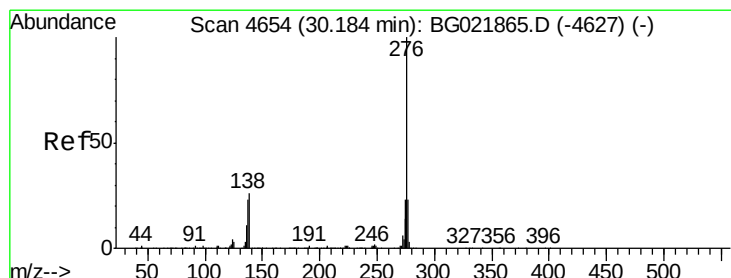
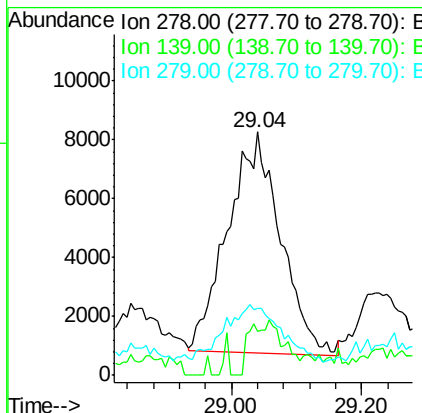
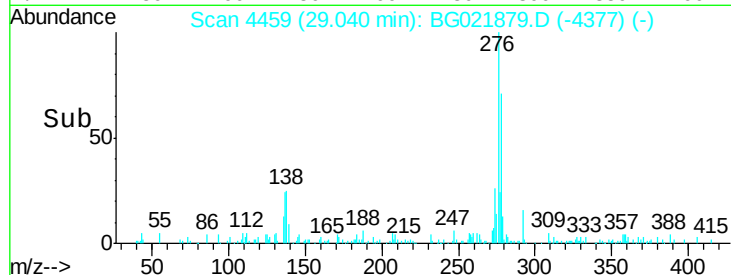
D9WK6



Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.1	18.1
279	27.6	19.8	29.8

Manual Integrations
APPROVED

sohil
5/13/2016 8:13:00 PM



#92

Benzo(g,h,i)perylene

Concen: 5.84 ng/ul m

RT: 30.19 min Scan# 4655

Delta R.T. 0.01 min

Lab File: BG021879.D

Acq: 12 May 2016 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	13.9	20.9#
277	26.5	19.8	29.6

