

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032516\
 Data File : BG021511.D
 Acq On : 25 Mar 2016 12:20
 Operator : UM/SJ
 Sample : H1909-11MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T45MSD

Manual Integrations
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 3/28/2016 7:30:14 PM

Quant Time: Mar 26 00:38:54 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 23:28:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	18830	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	87663	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	51317	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	109039	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	122943	20.00	ng/ul	0.00
86) Perylene-d12	24.90	264	121372	20.00	ng/ul	0.02

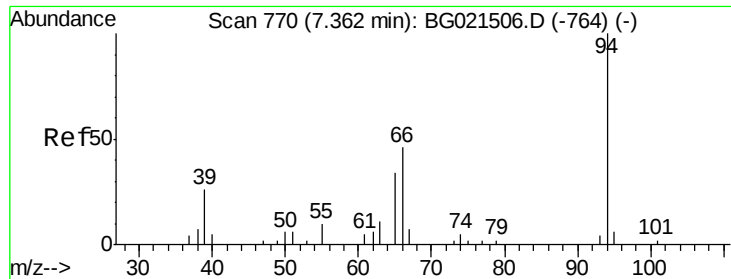
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1053	2.51	ng/uL	0.00
5) Phenol-d5	7.33	99	29728	16.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	19761	18.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	24659	18.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	27107	17.78	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	12348	18.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	13802	18.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	25477	18.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	20085	11.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	78909	18.47	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	101796	19.33	ng/ul	0.00
52) 4-Nitrophenol-d4	15.08	143	10073	14.75	ng/ul	0.00
58) Fluorene-d10	15.67	176	70569	18.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	11562	16.05	ng/ul	0.00
71) Anthracene-d10	17.52	188	107826	20.18	ng/ul	0.00
79) Pyrene-d10	19.80	212	119834	20.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	129417	23.10	ng/ul	0.02

Target Compounds

						Ovalue
6) Phenol	7.36	94	30056	15.97	ng/ul	93
10) 2-Chlorophenol	7.67	128	23711	17.06	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.86	70	22575	16.37	ng/ul#	99
33) 4-Chloro-3-methylphenol	12.24	107	29248	17.16	ng/ul	94
45) Dimethylphthalate	14.13	163	29669	6.68	ng/ul	98
50) Acenaphthene	14.74	153	66745	18.54	ng/ul	97
53) 4-Nitrophenol	15.10	109	11097	15.66	ng/ul	90
55) 2,4-Dinitrotoluene	15.05	165	23060	17.36	ng/ul	88
69) Pentachlorophenol	17.09	266	6365	17.92	ng/ul	93
77) Fluoranthene	19.46	202	14901	2.00	ng/ul	96
80) Pyrene	19.83	202	162143	22.13	ng/ul	96
83) Benzo(a)anthracene	21.66	228	10638	1.43	ng/ul	91
84) Bis(2-ethylhexyl)phthalate	21.54	149	5205	1.15	ng/ul#	96
85) Chrysene	21.72	228	9259	1.32	ng/ul	93
88) Benzo(b)fluoranthene	23.87	252	24035	3.08	ng/ul#	95
91) Benzo(a)pyrene	24.74	252	19285	2.55	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	28.57	276	18154m	2.11	ng/ul	
94) Benzo(g,h,i)perylene	29.72	276	20080m	2.84	ng/ul	

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



#6

Phenol

Concen: 15.97 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021511.D

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Instrument :

BNA_G

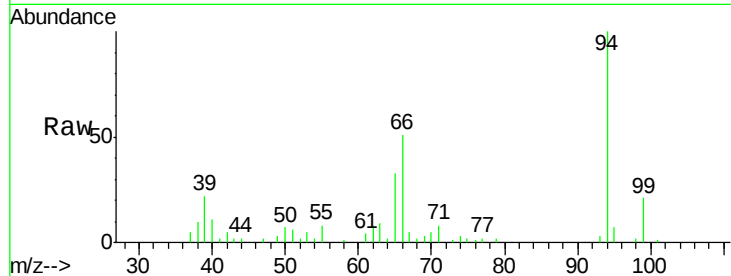
ClientSampleId :

A4T45MSD

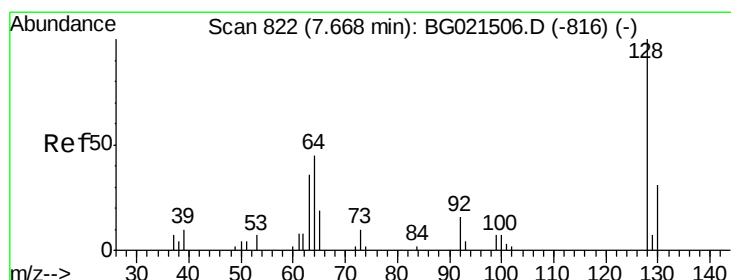
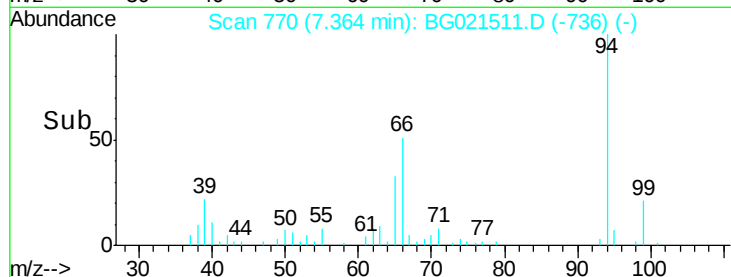
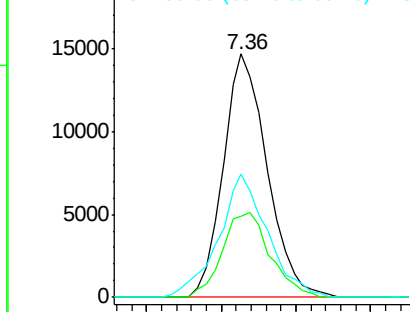
Tot Ion:	94	Resp:	30056
Ion	Ratio	Lower	Upper
94	100		
65	33.3	26.1	39.1
66	50.6	35.0	52.4

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Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 17.06 ng/ul

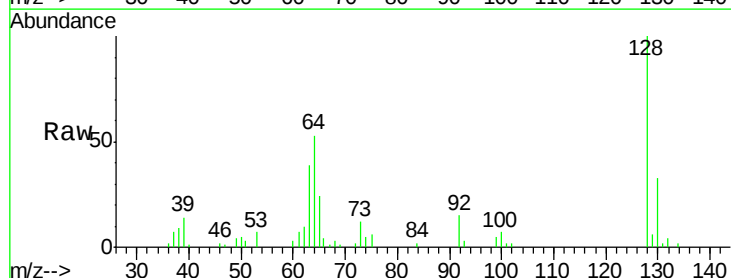
RT: 7.67 min Scan# 822

Delta R.T. 0.00 min

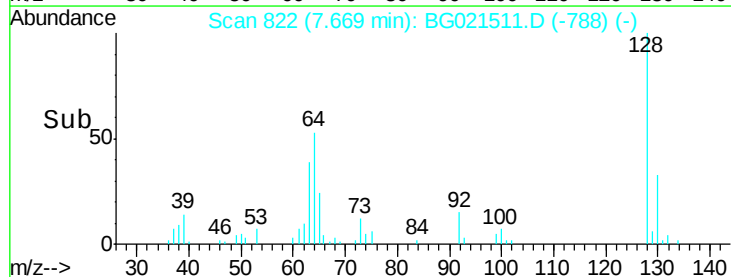
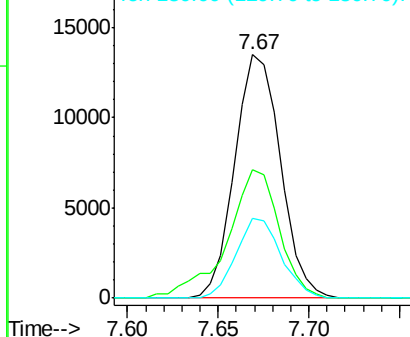
Lab File: BG021511.D

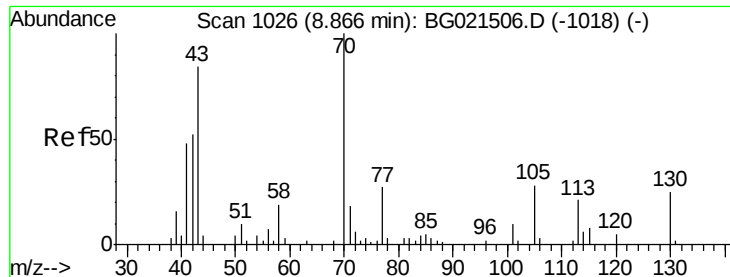
Acq: 25 Mar 2016 12:20

Tgt Ion:	128	Resp:	23711
Ion	Ratio	Lower	Upper
128	100		
64	52.7	47.0	70.6
130	32.5	27.8	41.6



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 16.37 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

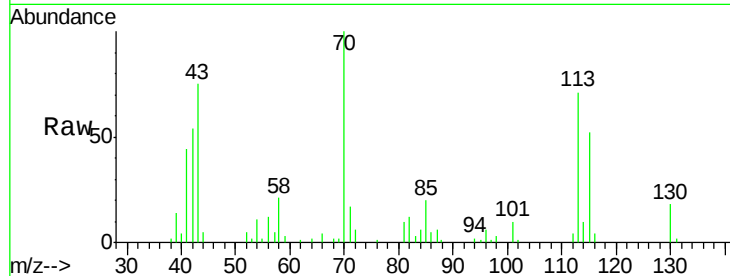
ClientSampleId :

A4T45MSD

Tot Ion:	70	Resp:	22575
Ion Ratio	Lower	Upper	
70	100		
42	54.1	43.4	65.0
101	10.0	6.5	9.7#
130	18.2	13.8	20.6

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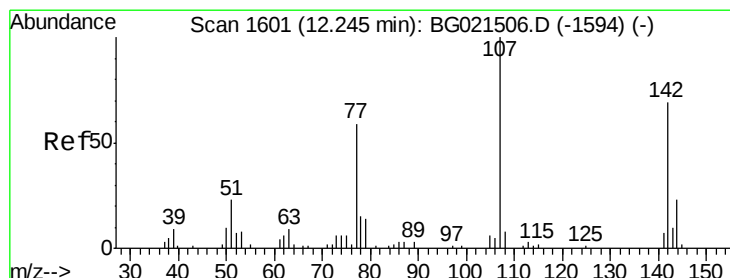
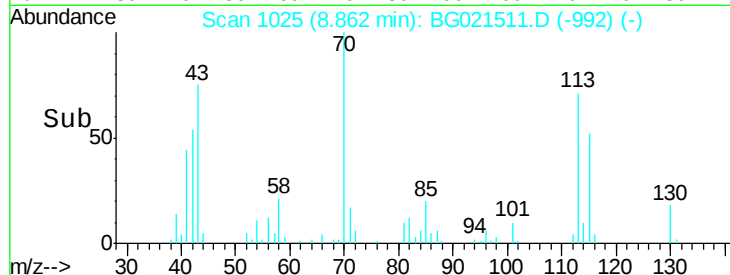
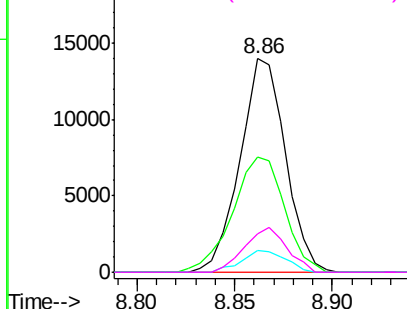
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#33

4-Chloro-3-methylphenol

Concen: 17.16 ng/ul

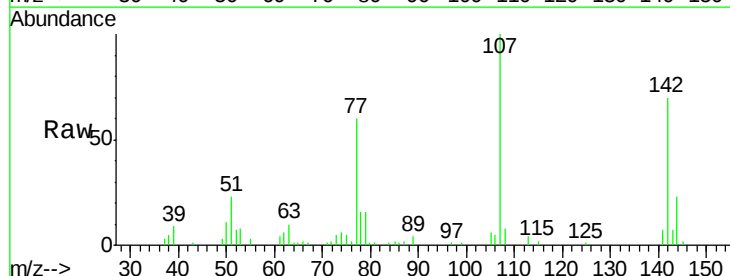
RT: 12.24 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Tgt Ion:	107	Resp:	29248
Ion Ratio	Lower	Upper	
107	100		
144	22.7	17.2	25.8
142	70.5	52.0	78.0

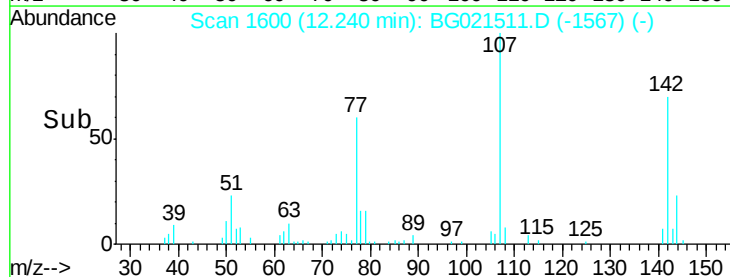
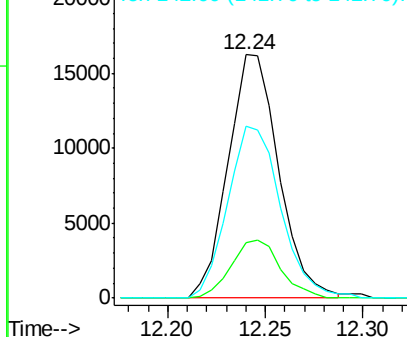


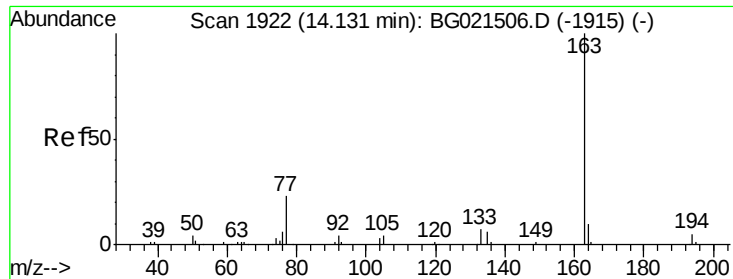
Abundance

Ion 107.00 (106.70 to 107.70): BGC

Ion 144.00 (143.70 to 144.70): BGC

Ion 142.00 (141.70 to 142.70): BGC





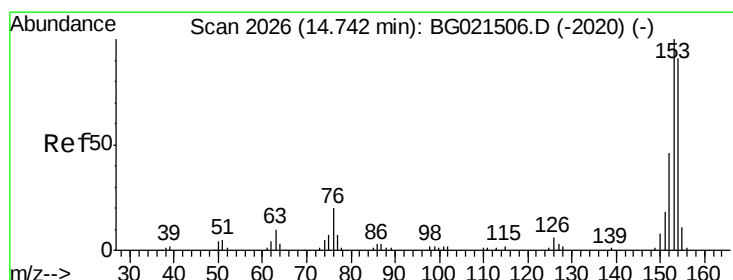
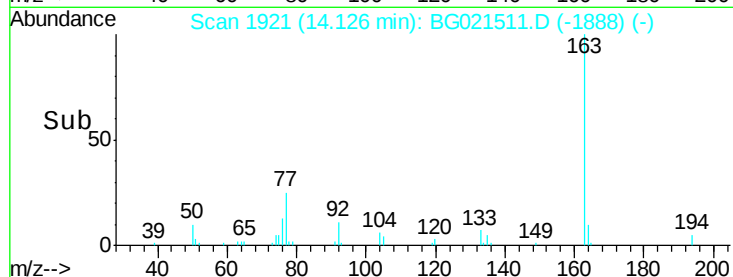
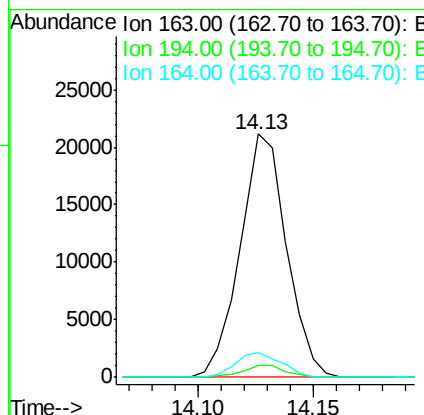
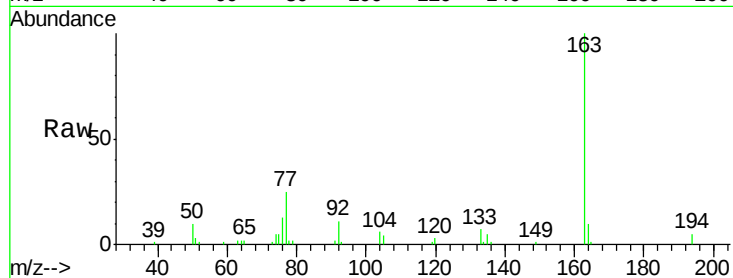
#45
Dimethylphthalate
Concen: 6.68 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	29669		
194	4.8		3.9	5.9
164	10.1		8.7	13.1

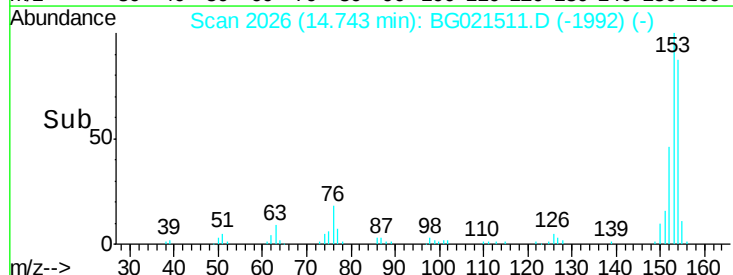
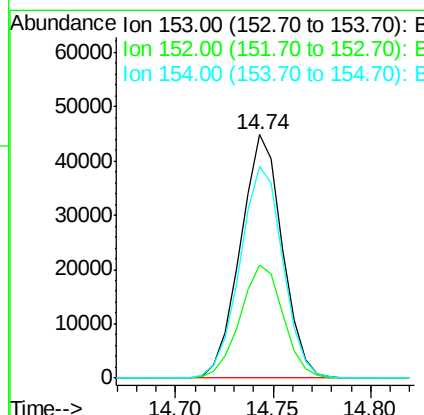
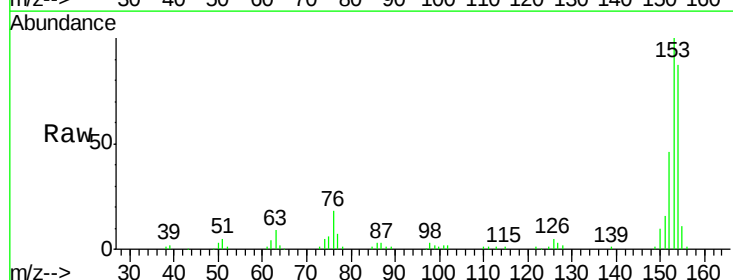
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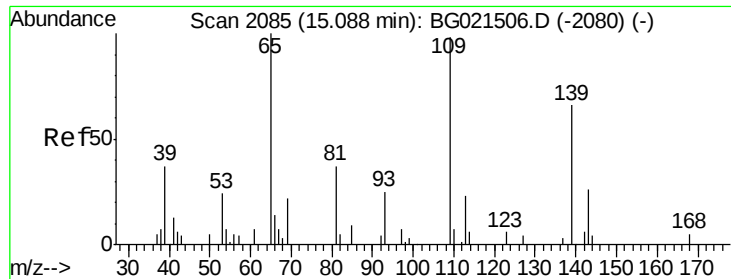
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#50
Acenaphthene
Concen: 18.54 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	66745		
152	46.3		36.5	54.7
154	87.2		67.3	100.9





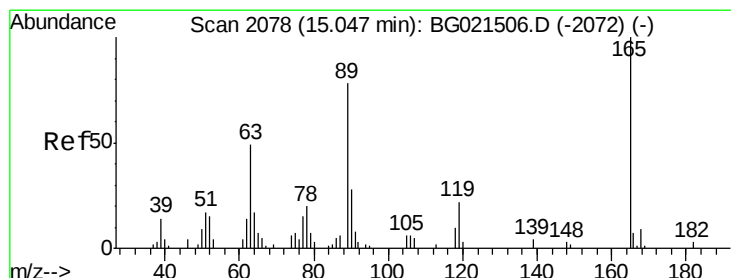
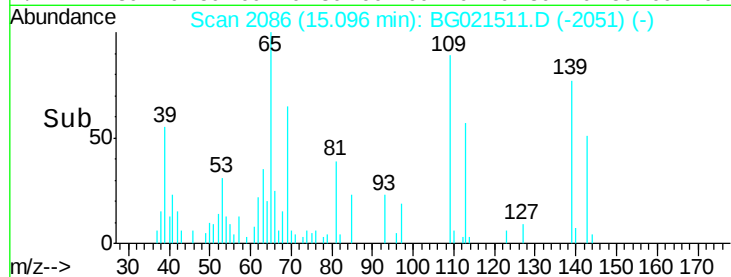
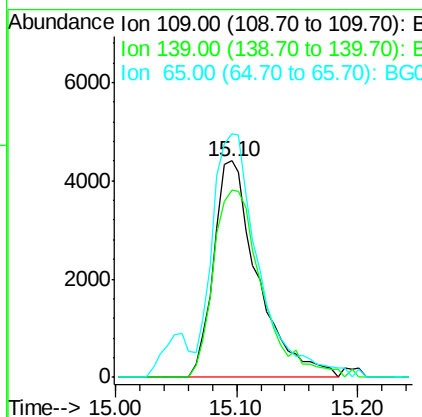
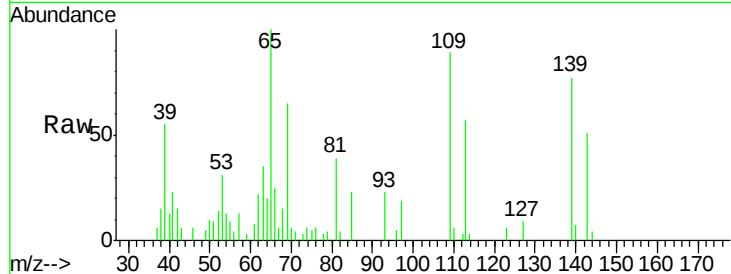
#53
4-Nitrophenol
Concen: 15.66 ng/ul
RT: 15.10 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Instrument :
BNA_G
ClientSampleId :
A4T45MSD

Tot Ion	Ratio	Resp	Lower	Upper
109	100	11097		
139	86.5	75.9	113.9	
65	112.6	99.8	149.8	

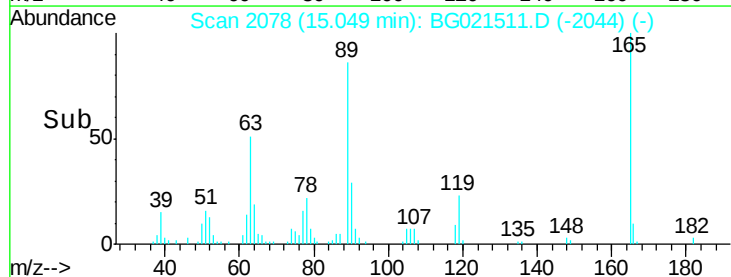
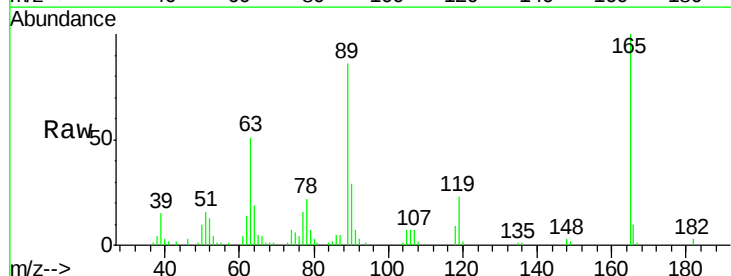
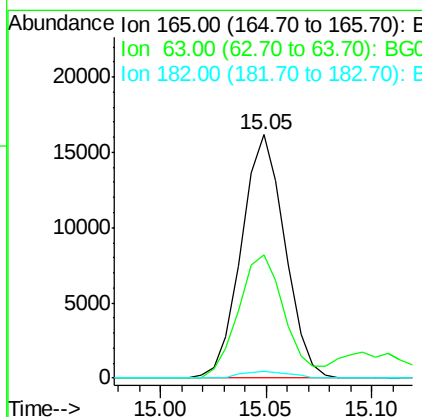
Manual Integrations
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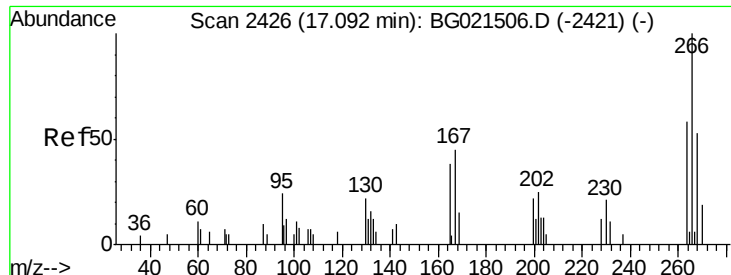
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#55
2,4-Dinitrotoluene
Concen: 17.36 ng/ul
RT: 15.05 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BG021511.D
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Tgt Ion	Ratio	Resp	Lower	Upper
165	100	23060		
63	50.9	48.1	72.1	
182	3.0	2.2	3.2	





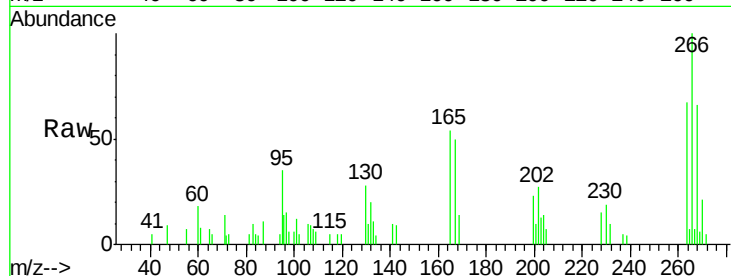
#69
 Pentachlorophenol
 Concen: 17.92 ng/ul
 RT: 17.09 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Instrument :
 BNA_G
 ClientSampleId :
 A4T45MSD

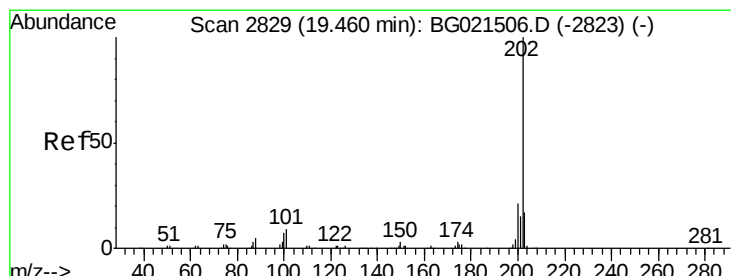
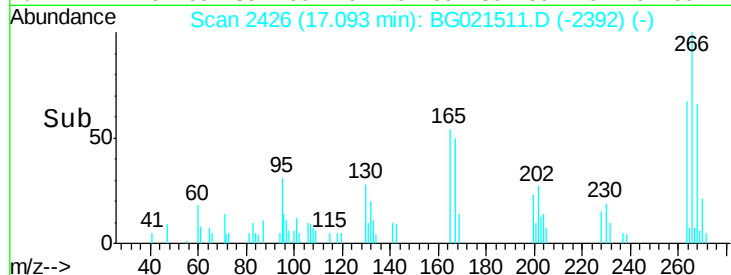
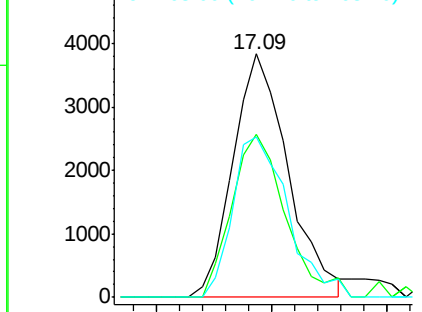
Tot Ion	Ratio	Lower	Upper
266	100		
264	73.8	56.7	85.1
268	71.8	50.6	76.0

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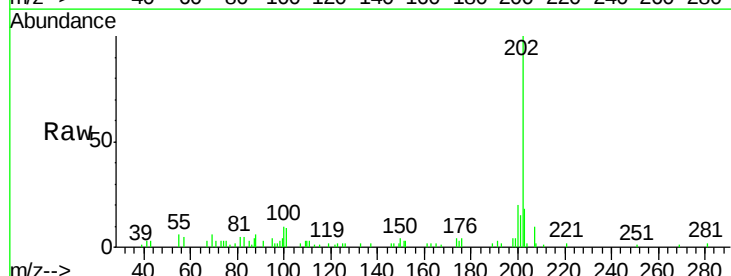


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

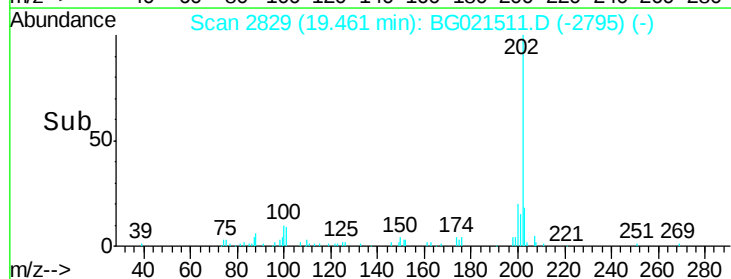
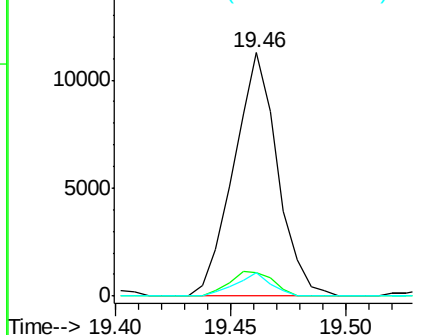


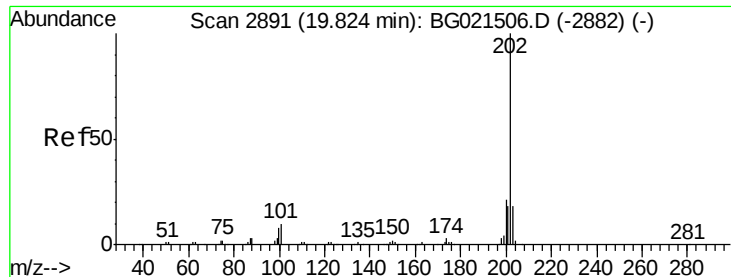
#77
 Fluoranthene
 Concen: 2.00 ng/ul
 RT: 19.46 min Scan# 2829
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.9	13.3
100	9.7	7.0	10.4



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





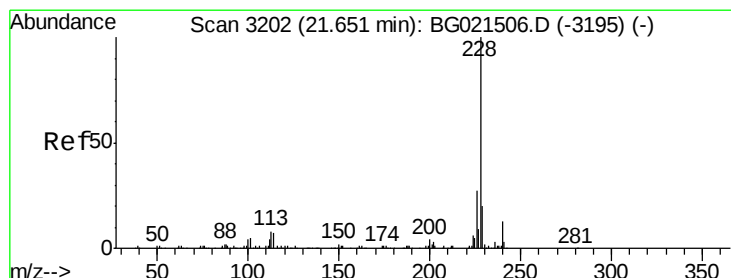
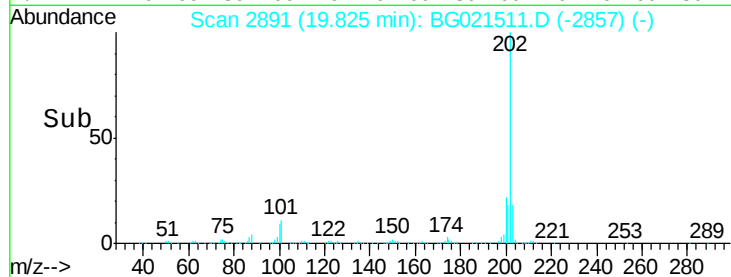
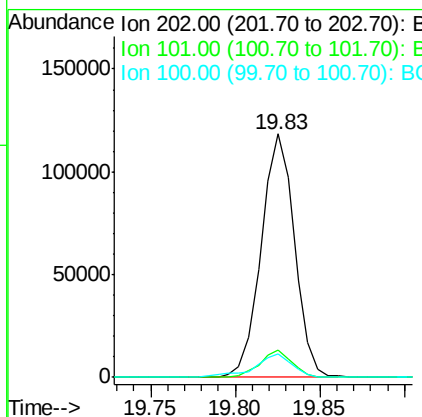
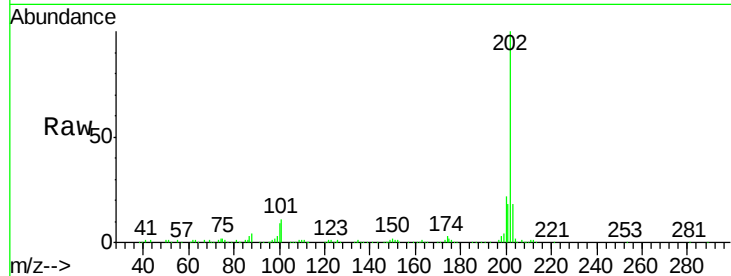
#80
Pvrene
Concen: 22.13 ng/ul
RT: 19.83 min Scan# 2891
Delta R.T. 0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Instrument :
BNA_G
ClientSampleId :
A4T45MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.0	9.8	14.8
100	9.5	9.3	13.9

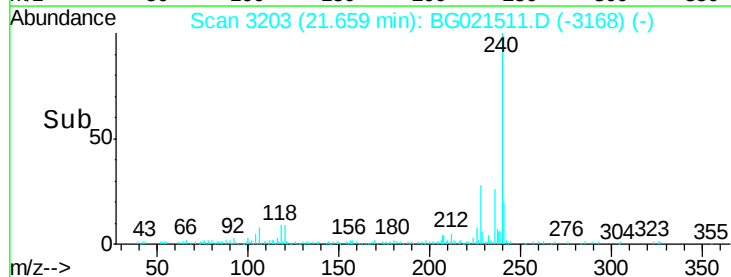
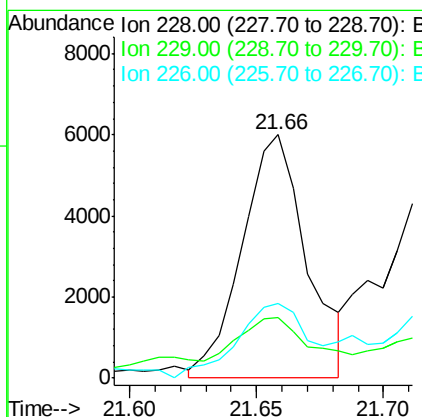
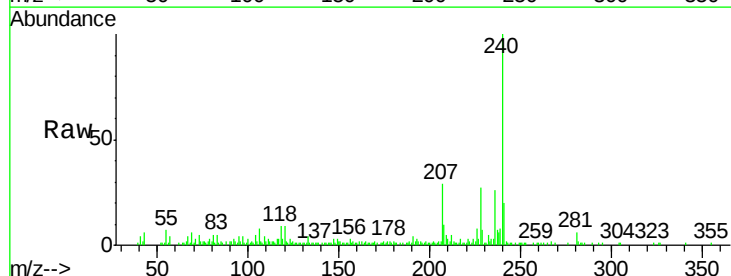
Manual Integrations
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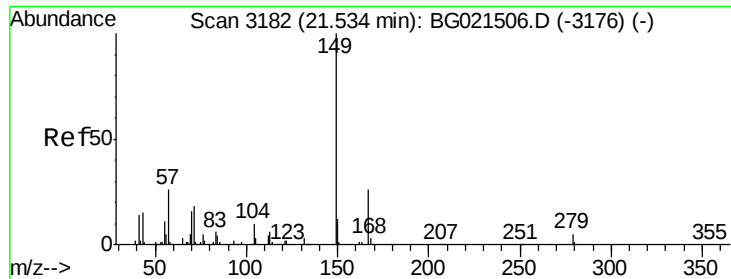
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#83
Benzo(a)anthracene
Concen: 1.43 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.01 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	24.9	16.6	25.0
226	30.7	21.0	31.4





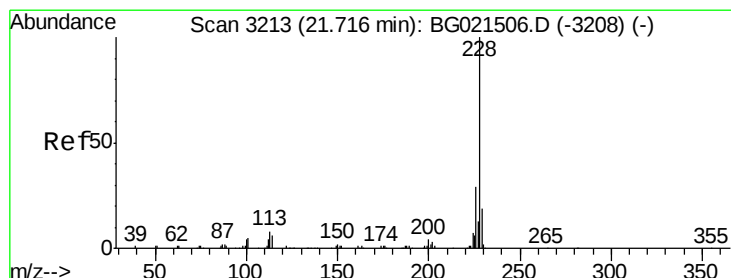
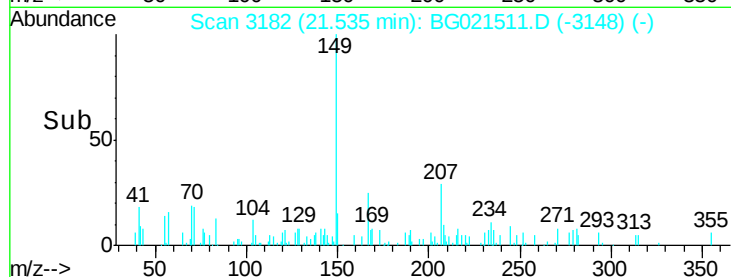
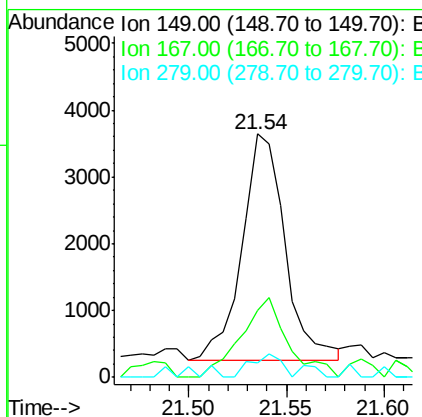
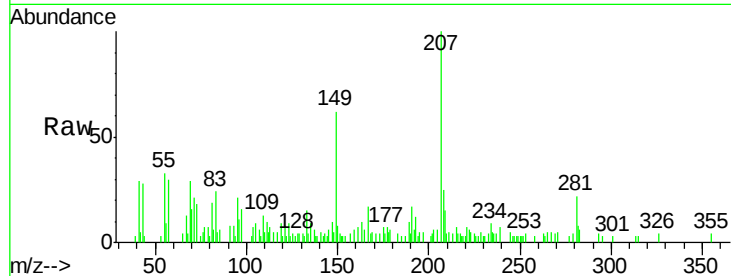
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.15 ng/ul
 RT: 21.54 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Instrument :
 BNA_G
 ClientSampleID :
 A4T45MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.4	20.5	30.7
279	6.1	3.7	5.5

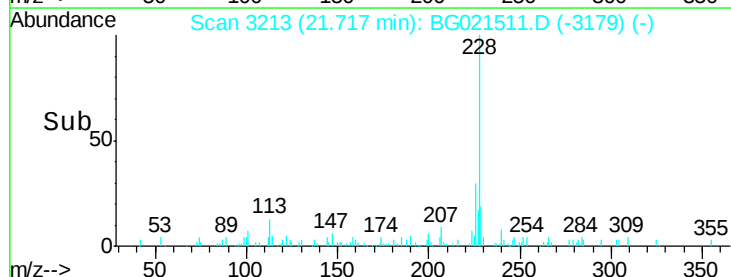
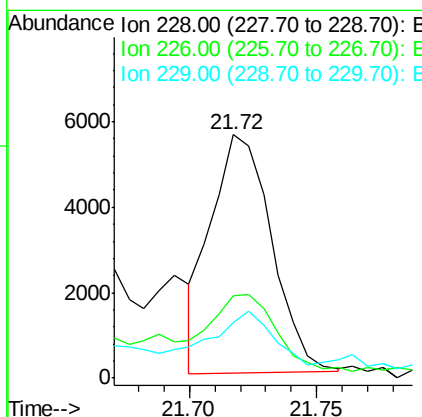
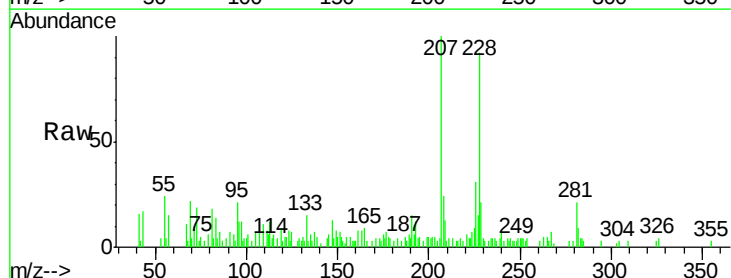
Manual Integrations
 APPROVED

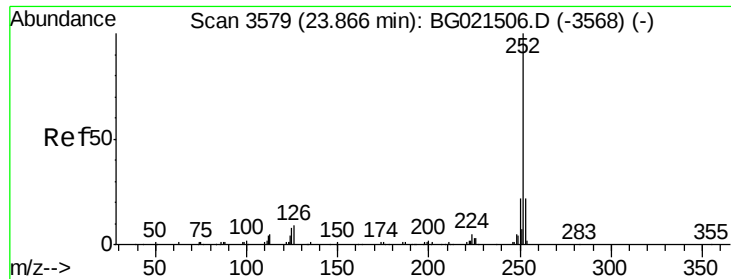
Sohil
 3/28/2016 7:30:14 PM



#85
 Chrysene
 Concen: 1.32 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	23.4	35.2
229	23.0	16.2	24.2





#88

Benzo(b)fluoranthene

Concen: 3.08 ng/ul

RT: 23.87 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

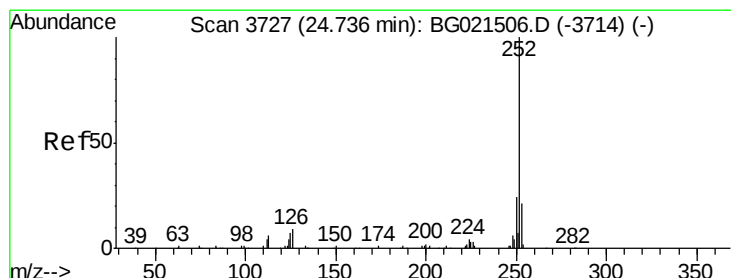
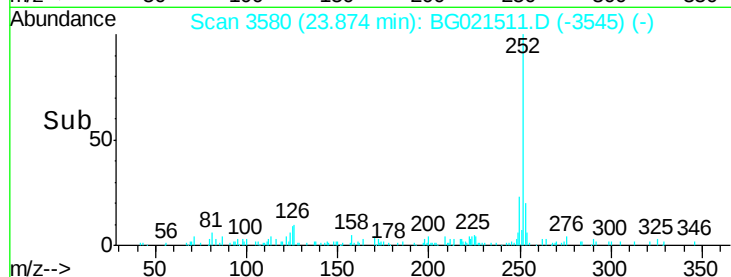
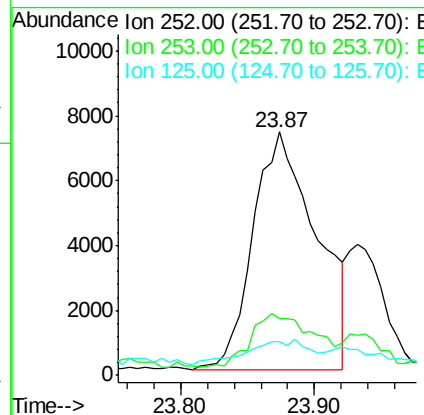
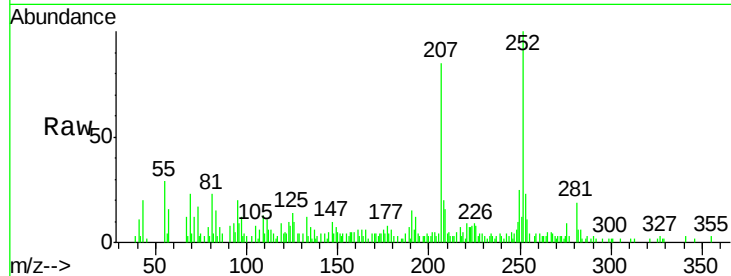
ClientSampleId :

A4T45MSD

Tot Ion:	252	Resp:	24035
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	13.6	7.6	11.4#

Manual Integrations
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3/28/2016 7:30:14 PM



#91

Benzo(a)pyrene

Concen: 2.55 ng/ul

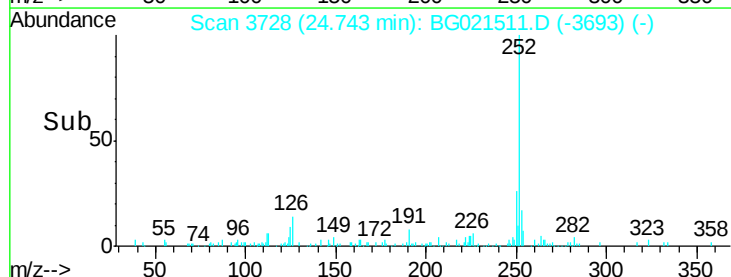
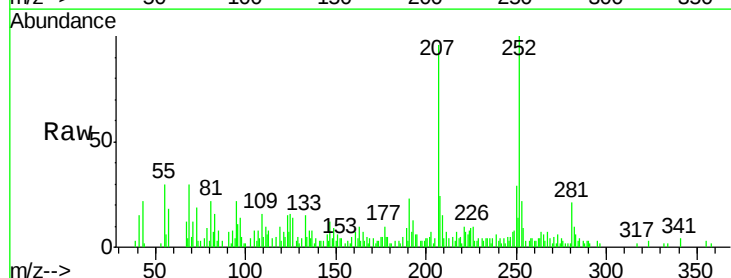
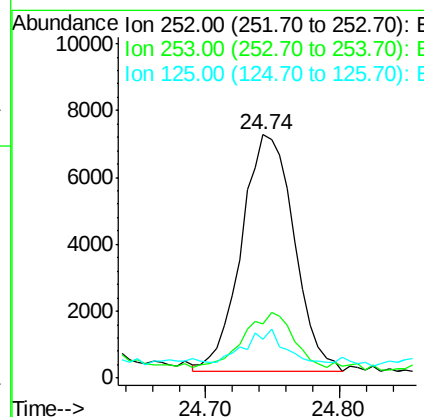
RT: 24.74 min Scan# 3728

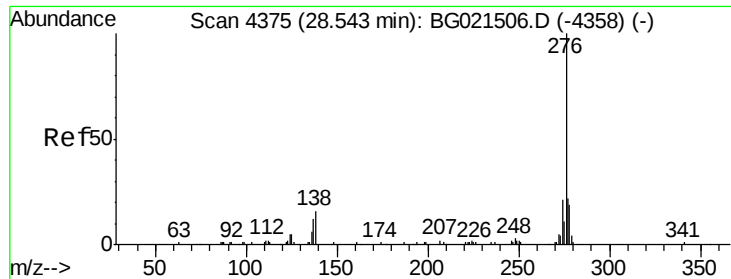
Delta R.T. 0.01 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Tgt Ion:	252	Resp:	19285
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	15.8	8.2	12.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.11 ng/ul m

RT: 28.57 min Scan# 4380

Delta R.T. 0.03 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

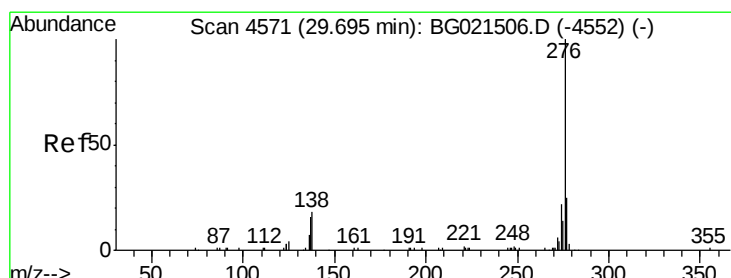
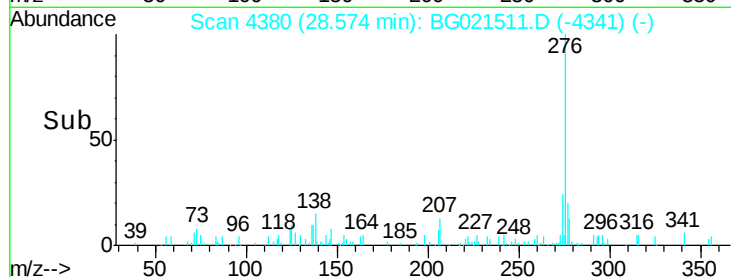
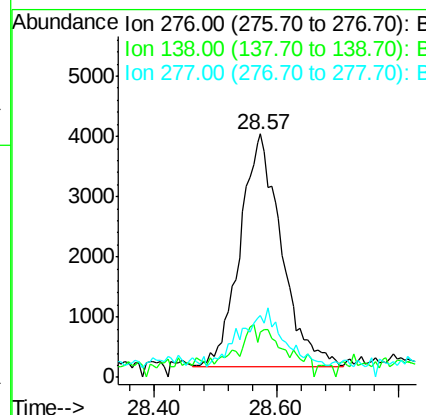
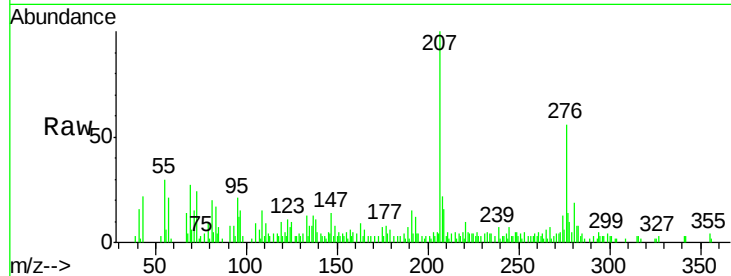
ClientSampleId :

A4T45MSD

Tot Ion:	276	Resp:	18154
Ion Ratio	Lower	Upper	
276	100		
138	18.6	15.8	23.6
277	25.6	19.0	28.6

Manual Integrations
APPROVED

Sohil
3/28/2016 7:30:14 PM



#94

Benzo(g,h,i)perylene

Concen: 2.84 ng/ul m

RT: 29.72 min Scan# 4575

Delta R.T. 0.02 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Tgt Ion:	276	Resp:	20080
Ion Ratio	Lower	Upper	
276	100		
138	24.4	13.9	20.9#
277	27.3	19.8	29.6

