

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
 Data File : BG018385.D
 Acq On : 11 Aug 2015 17:25
 Operator : UM/MA
 Sample : G3136-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K2

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 3:53:15 PM

Quant Time: Aug 12 02:22:48 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	90866	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	385429	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	212811	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	436758	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	387382	20.00	ng/ul	0.00
86) Perylene-d12	24.92	264	402555	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	4431	2.15	ng/uL	0.00
5) Phenol-d5	7.20	99	84598	10.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	57893	11.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	68767	10.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	46783	6.75	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	37653m	12.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	37258	12.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	67398	10.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	40541	5.52	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	226061	12.63	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	270599	12.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	10715	3.33	ng/ul	0.00
58) Fluorene-d10	15.66	176	177383	11.37	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.51	188	239836	11.48	ng/ul	0.00
79) Pyrene-d10	19.80	212	231441	11.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.70	264	218093	10.21	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.23	94	10873	1.29	ng/ul#	89
14) Acetophenone	8.85	105	15373	1.54	ng/ul#	59
28) Naphthalene	10.90	128	35497	1.74	ng/ul	96
34) 2-Methylnaphthalene	12.50	142	35860	2.43	ng/ul	97
35) 1-Methylnaphthalene	12.72	142	18443	1.28	ng/ul#	87
45) Dimethylphthalate	14.11	163	122041	6.91	ng/ul#	96
50) Acenaphthene	14.73	153	37087	2.34	ng/ul	90
54) Dibenzofuran	15.06	168	27437	1.32	ng/ul#	86
59) Fluorene	15.71	166	45269	2.54	ng/ul#	97
70) Phenanthrene	17.45	178	349856	14.76	ng/ul	99
72) Anthracene	17.54	178	168640	6.98	ng/ul	96
75) Carbazole	17.81	167	78735	3.72	ng/ul#	89
76) Di-n-butylphthalate	18.37	149	94334	3.41	ng/ul#	94
77) Fluoranthene	19.46	202	590219	23.32	ng/ul	99
80) Pyrene	19.82	202	563258	21.50	ng/ul	98
81) Butylbenzylphthalate	20.71	149	63821	5.76	ng/ul	86
83) Benzo(a)anthracene	21.66	228	260662	10.85	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.58	149	663311	42.37	ng/ul#	97
85) Chrysene	21.73	228	271082	12.07	ng/ul	96
88) Benzo(b)fluoranthene	23.89	252	391719	15.49	ng/ul#	86
89) Benzo(k)fluoranthene	23.96	252	128631	5.28	ng/ul#	66
91) Benzo(a)pyrene	24.77	252	265648	11.05	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	28.61	276	174692	6.28	ng/ul#	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	29.77	276	161432m	6.91	ng/ul	

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

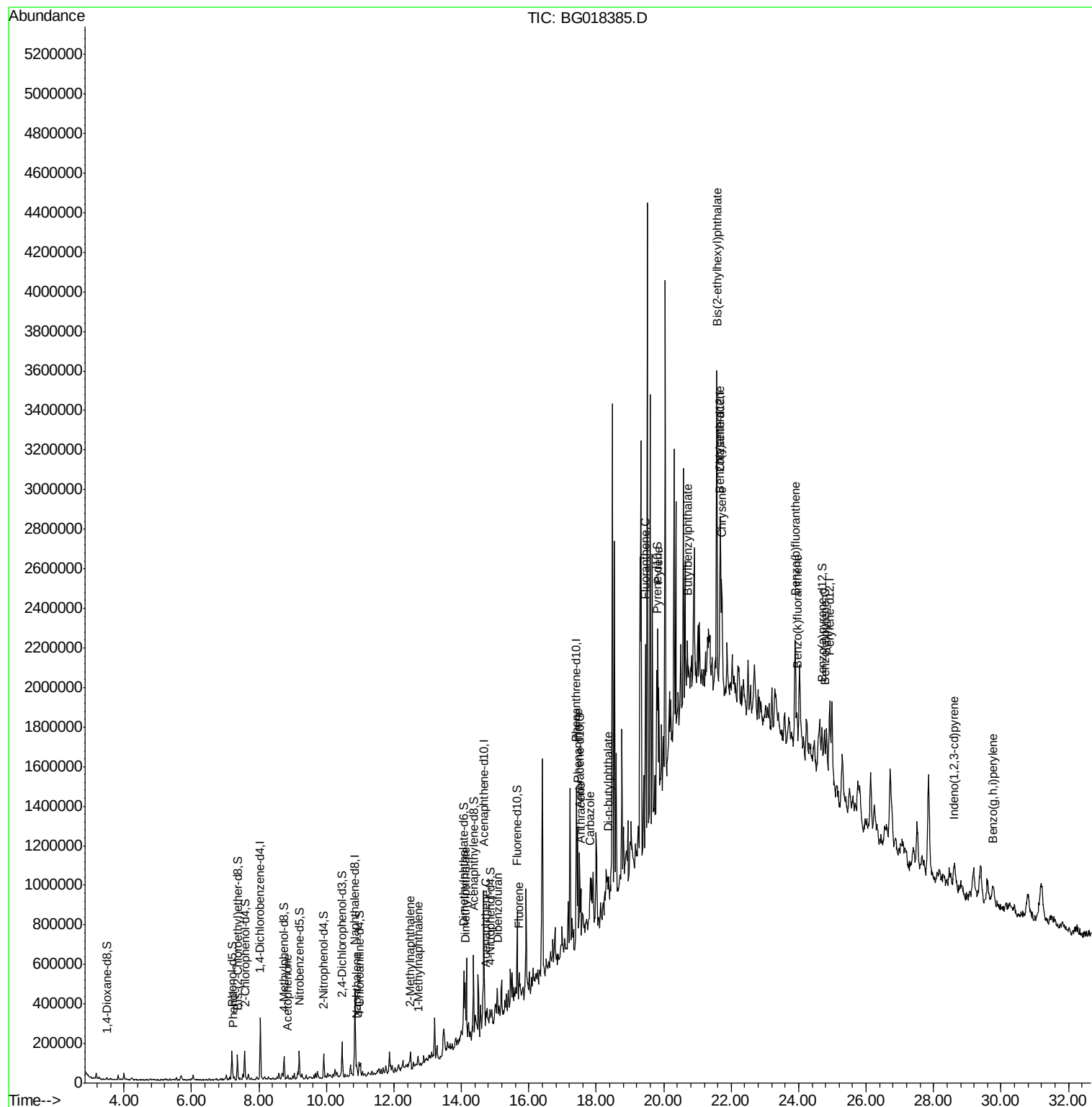
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081115\
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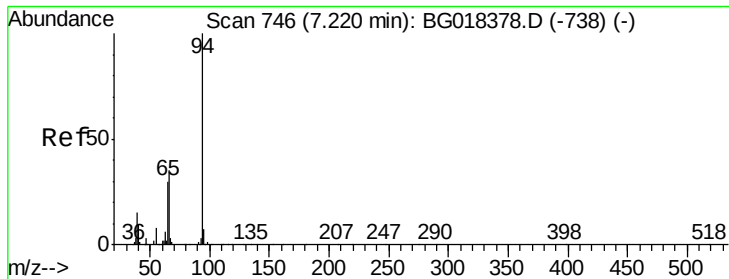
Instrument :
BNA_G
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C02K2

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Response via : Initial Calibration





#6

Phenol

Concen: 1.29 ng/ul

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

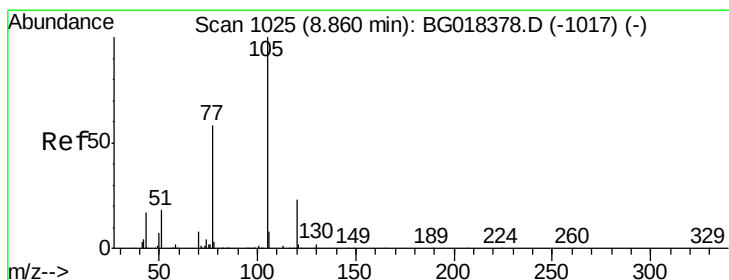
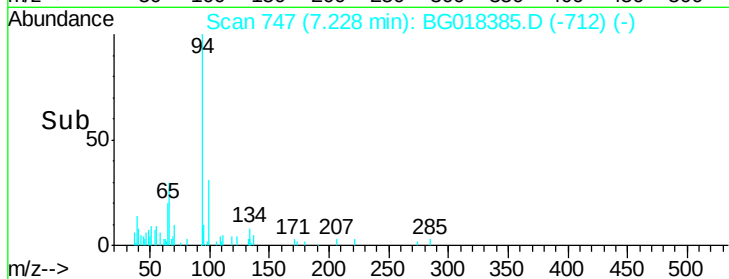
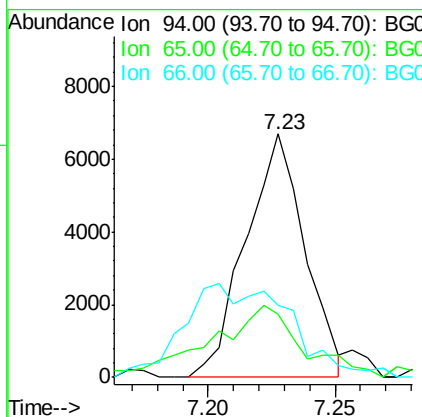
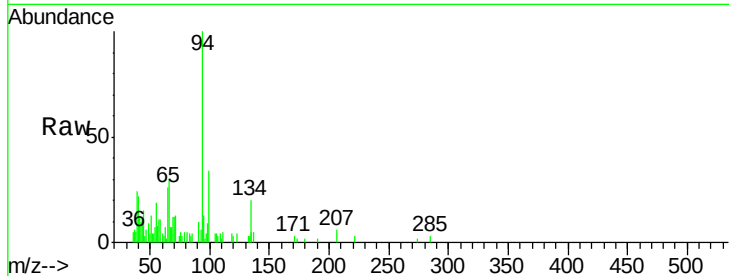
ClientSampleId :

C02K2

Tot Ion:	94	Resp:	10873
Ion Ratio	Lower	Upper	
94	100		
65	25.8	23.0	34.6
66	29.9	31.0	46.4

Manual Integrations
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#14

Acetophenone

Concen: 1.54 ng/ul

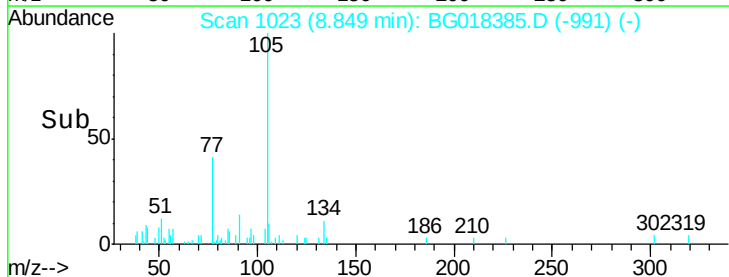
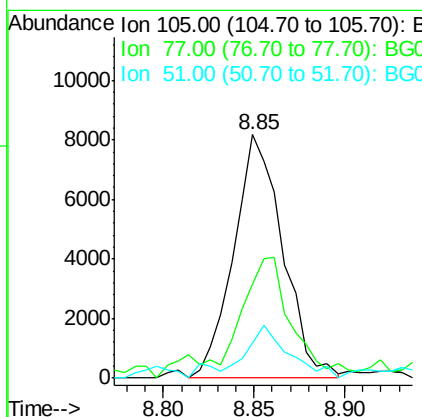
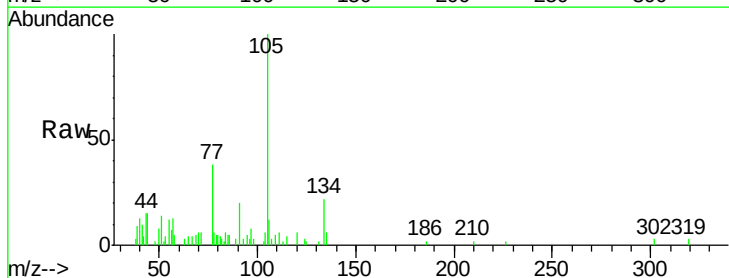
RT: 8.85 min Scan# 1023

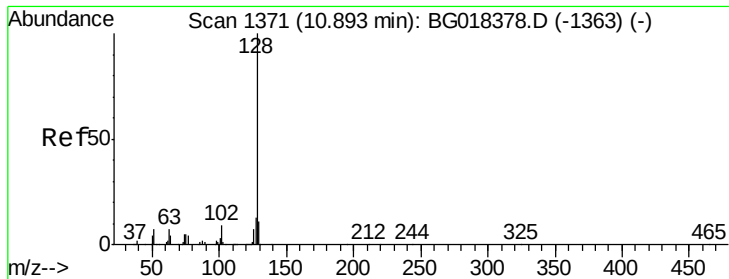
Delta R.T. -0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	105	Resp:	15373
Ion Ratio	Lower	Upper	
105	100		
77	38.3	61.9	92.9
51	14.5	25.5	38.3





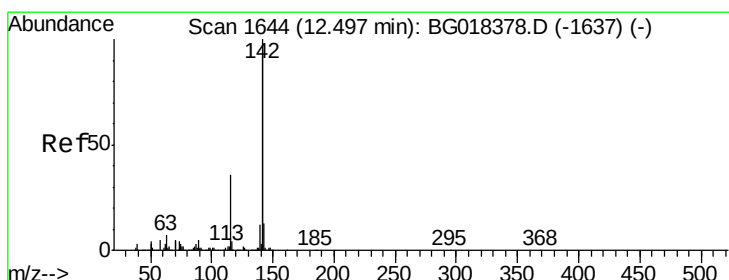
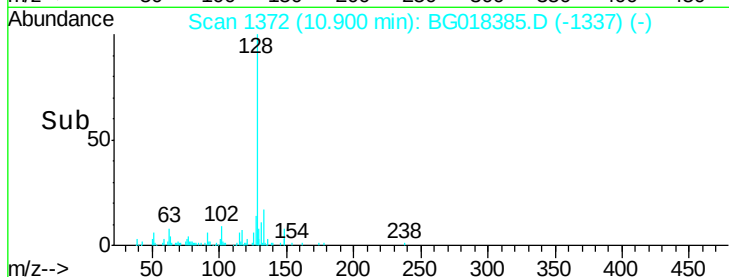
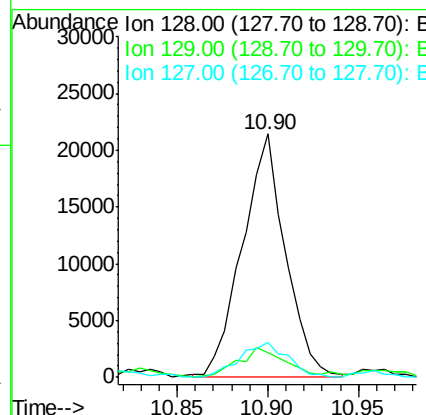
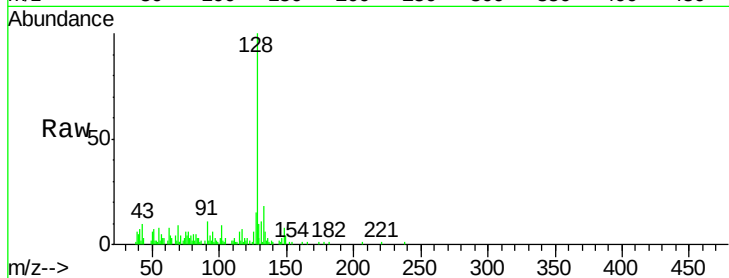
#28
Naphthalene
Concen: 1.74 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Instrument :
BNA_G
ClientSampleId :
C02K2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	35497		
129	10.0		9.6	14.4
127	14.5		10.5	15.7

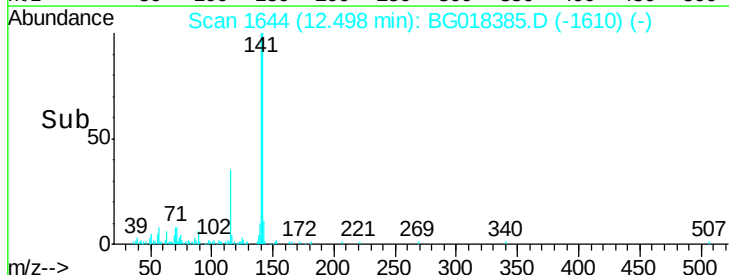
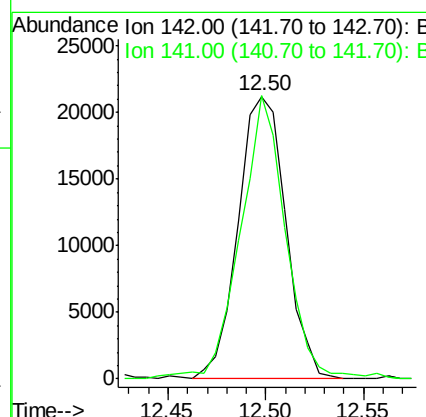
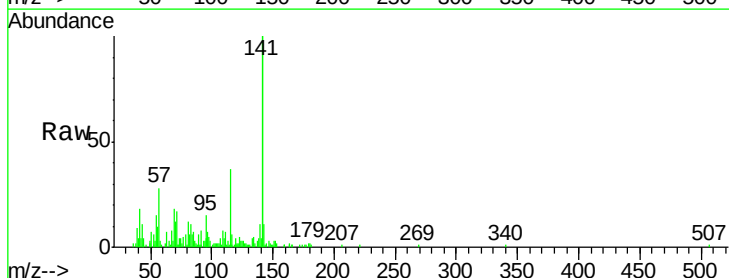
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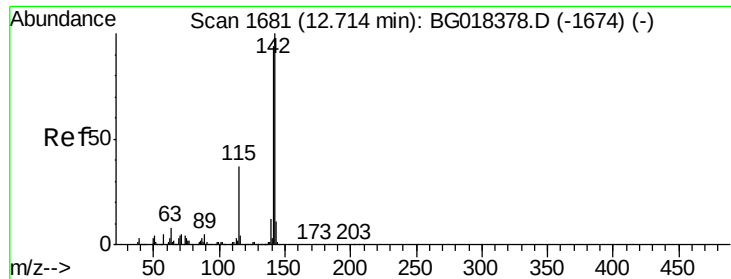
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#34
2-Methylnaphthalene
Concen: 2.43 ng/ul
RT: 12.50 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	35860		
141	100.2		78.0	117.0





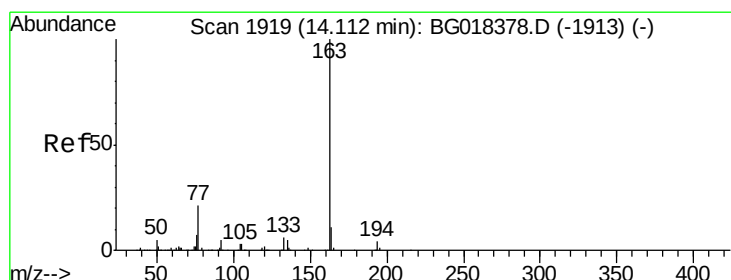
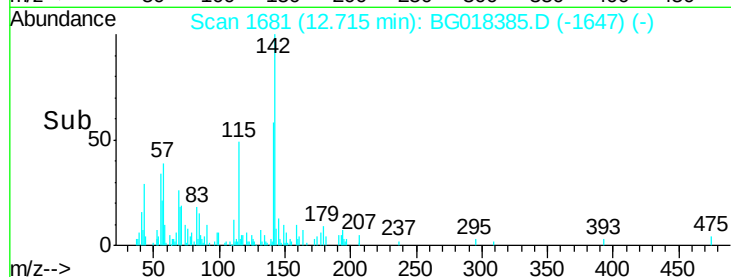
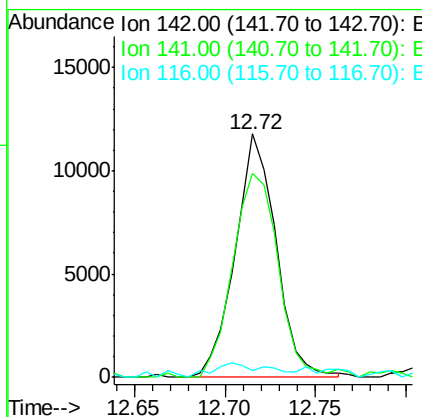
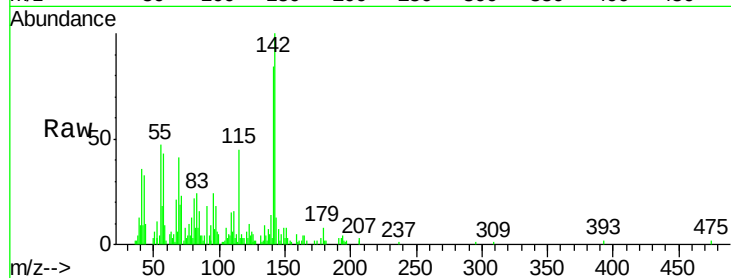
#35
 1-Methylnaphthalene
 Concen: 1.28 ng/ul
 RT: 12.72 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

Instrument :
 BNA_G
 ClientSampleId :
 C02K2

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.7	77.1	115.7
116	3.0	3.5	5.3#

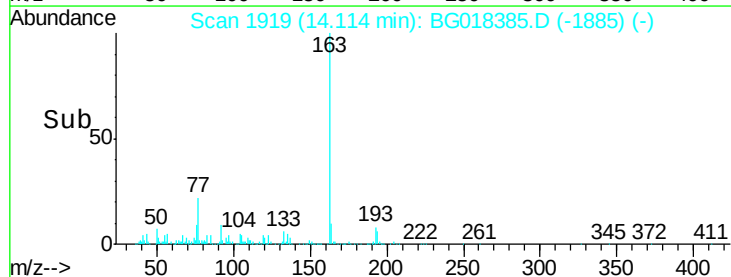
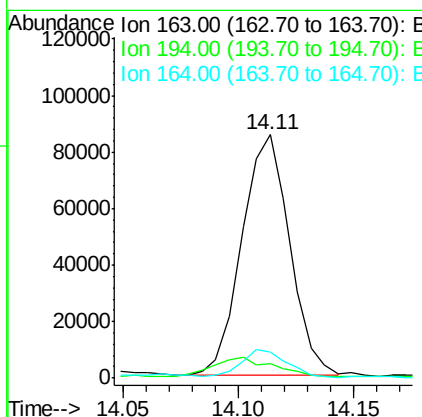
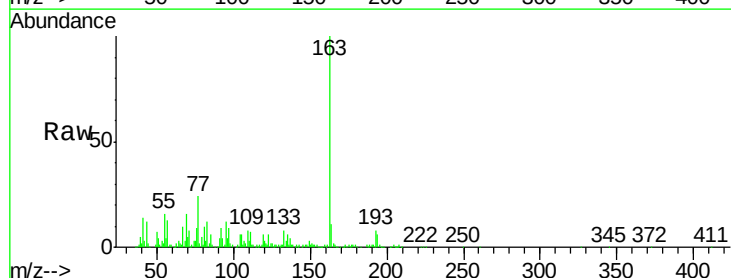
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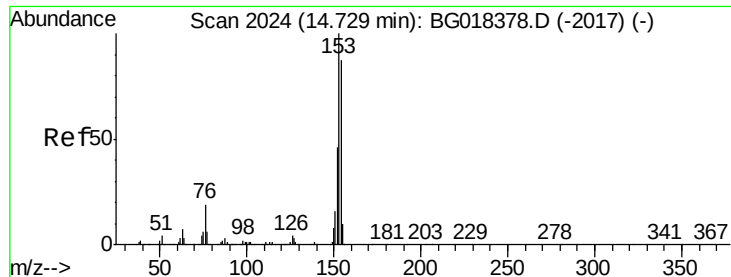
MMDadoda
 8/12/2015 3:53:15 PM



#45
 Dimethylphthalate
 Concen: 6.91 ng/ul
 RT: 14.11 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.2	2.9	4.3#
164	10.7	7.7	11.5





#50

Acenaphthene

Concen: 2.34 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

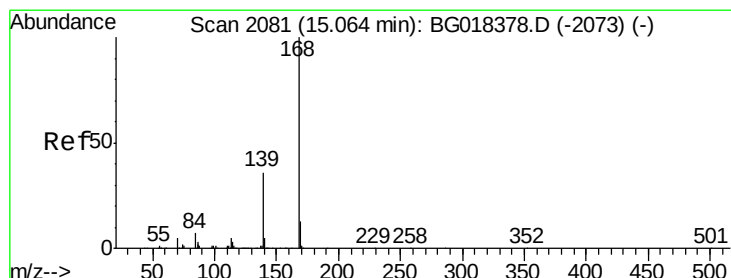
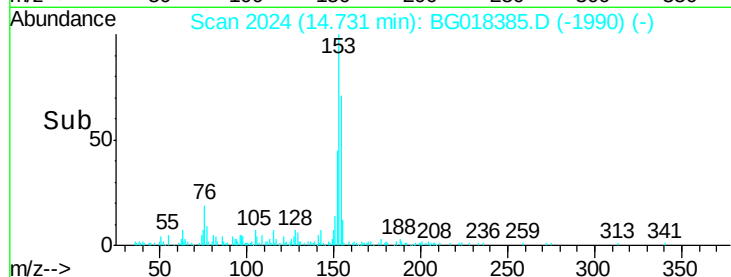
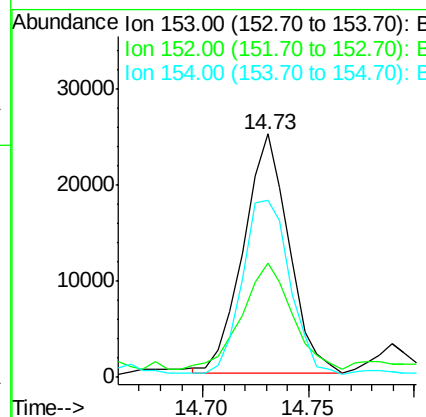
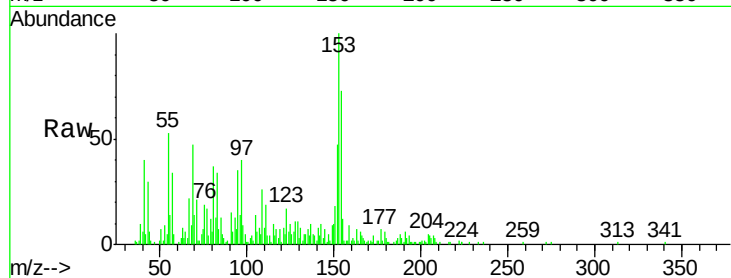
ClientSampleId :

C02K2

Tot Ion:	153	Resp:	37087
Ion Ratio	Lower	Upper	
153	100		
152	47.2	38.2	57.4
154	72.6	68.6	103.0

Manual Integrations
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#54

Dibenzofuran

Concen: 1.32 ng/ul

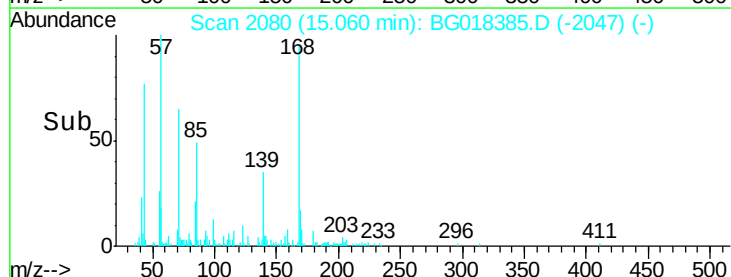
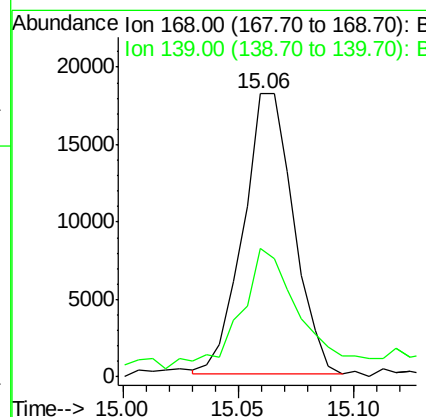
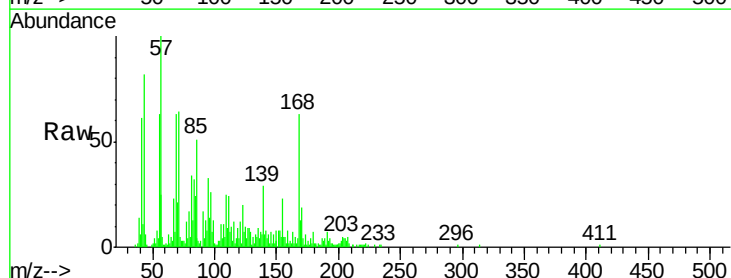
RT: 15.06 min Scan# 2080

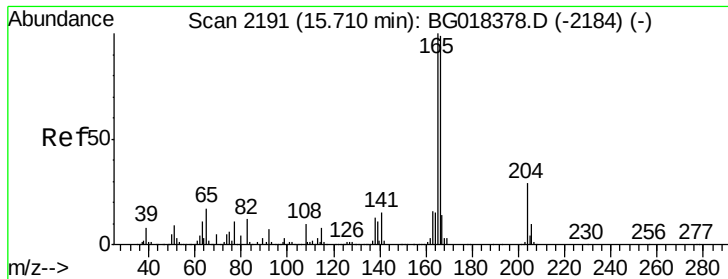
Delta R.T. -0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	168	Resp:	27437
Ion Ratio	Lower	Upper	
168	100		
139	45.4	29.7	44.5#





#59

Fluorene

Concen: 2.54 ng/ul

RT: 15.71 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BG018385.D

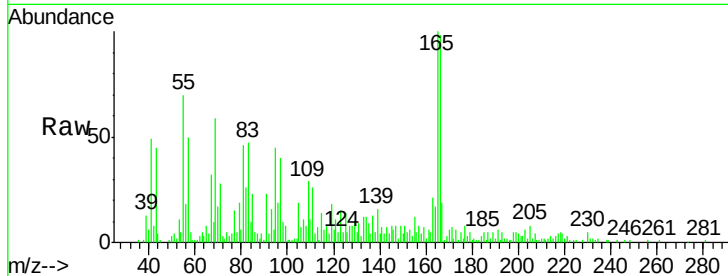
Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

ClientSampleId :

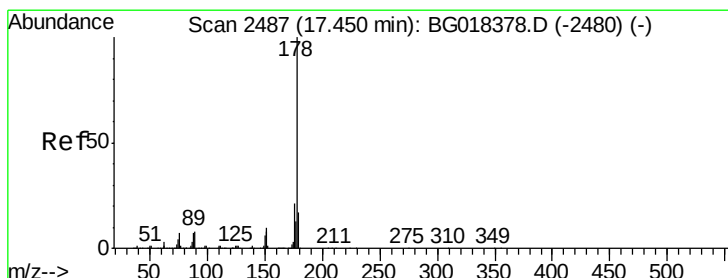
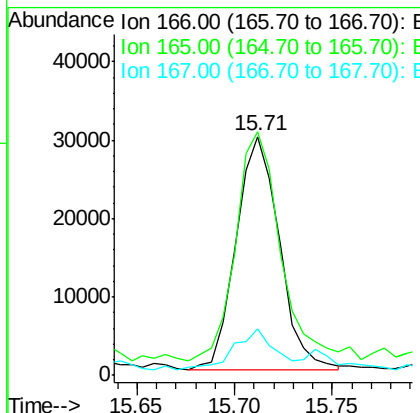
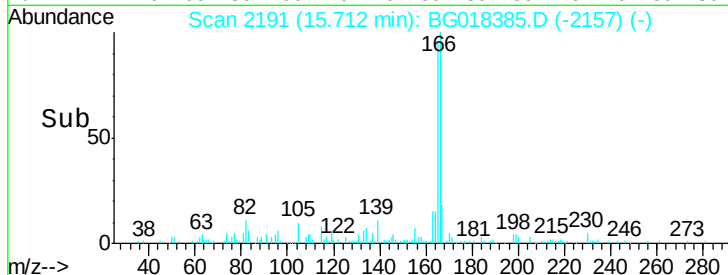
C02K2



Tot Ion:	166	Resp:	45269
Ion Ratio	Lower	Upper	
166	100		
165	101.9	82.6	124.0
167	19.3	11.4	17.0

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#70

Phenanthrene

Concen: 14.76 ng/ul

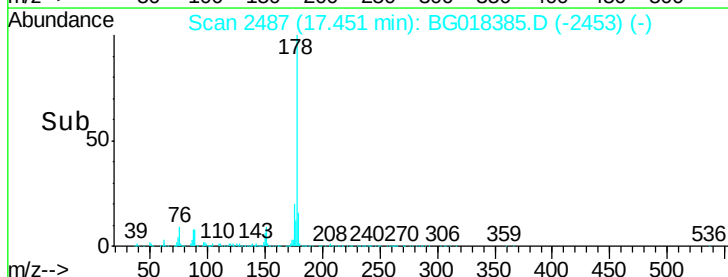
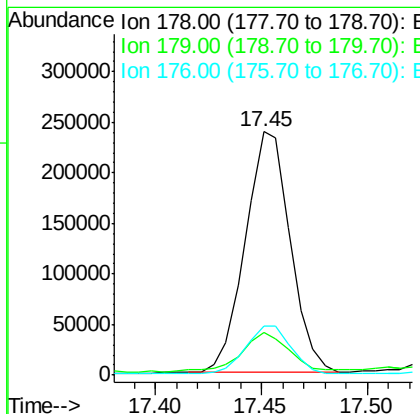
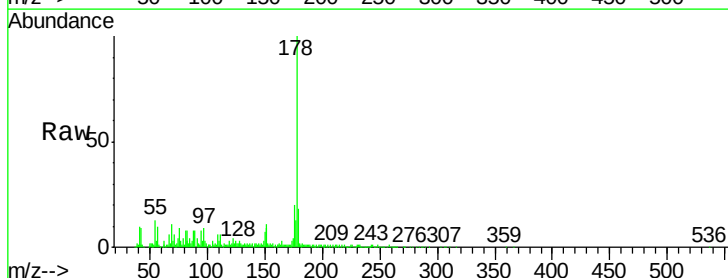
RT: 17.45 min Scan# 2487

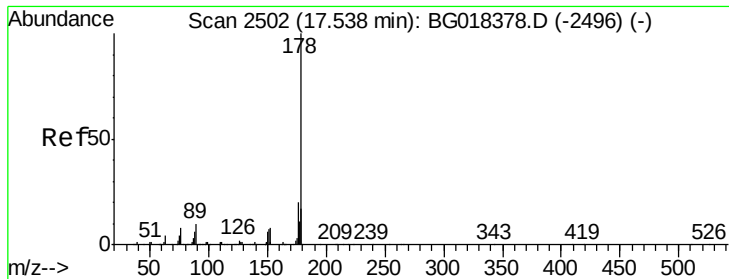
Delta R.T. 0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	178	Resp:	349856
Ion Ratio	Lower	Upper	
178	100		
179	17.5	13.7	20.5
176	20.2	16.6	24.8





#72

Anthracene

Concen: 6.98 ng/ul

RT: 17.54 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

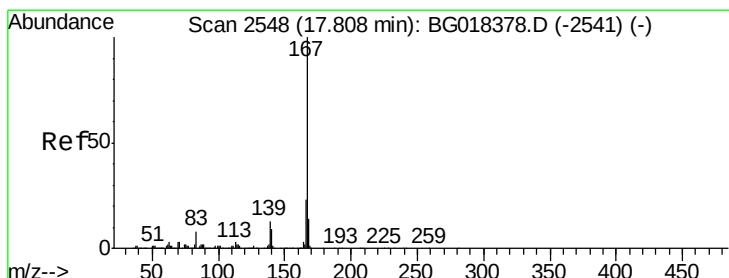
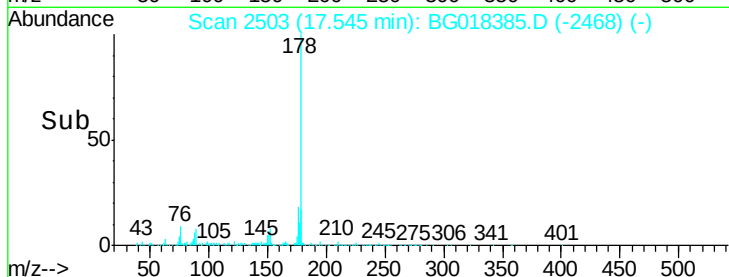
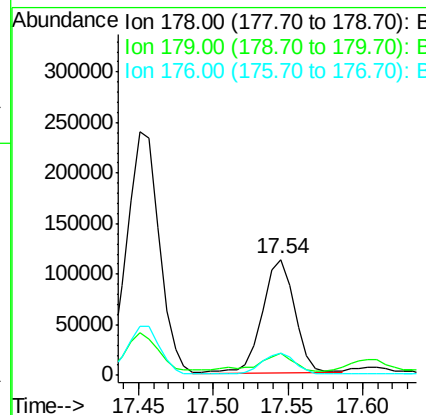
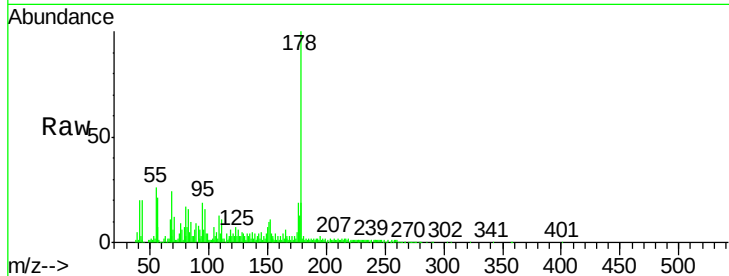
ClientSampleId :

C02K2

Tot Ion:	178	Resp:	168640
Ion Ratio	Lower	Upper	
178	100		
179	19.3	13.0	19.4
176	19.2	16.0	24.0

Manual Integrations
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#75

Carbazole

Concen: 3.72 ng/ul

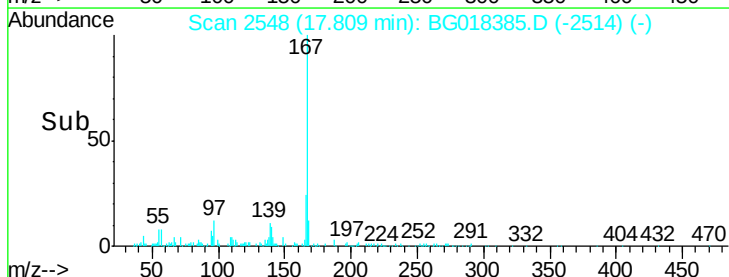
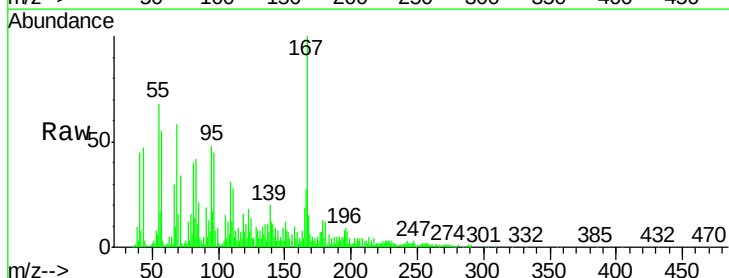
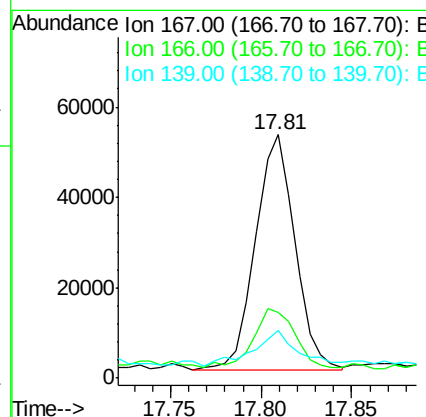
RT: 17.81 min Scan# 2548

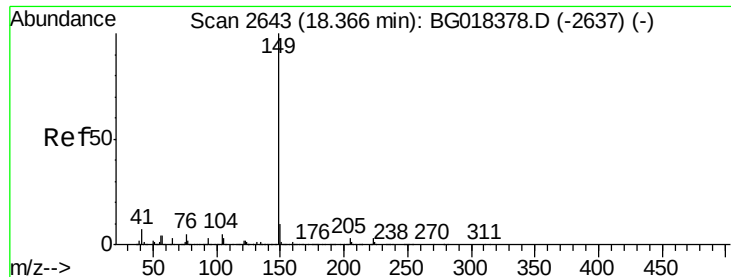
Delta R.T. 0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	167	Resp:	78735
Ion Ratio	Lower	Upper	
167	100		
166	27.1	18.9	28.3
139	19.7	10.1	15.1#





#76

Di-n-butylphthalate

Concen: 3.41 ng/ul

RT: 18.37 min Scan# 2644

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

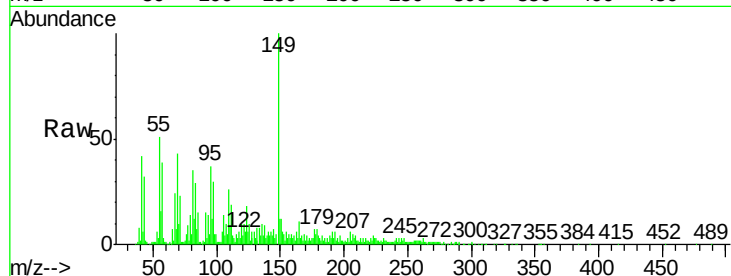
ClientSampleId :

C02K2

Tot Ion:	149	Resp:	94334
Ion Ratio	Lower	Upper	
149	100		
150	12.4	7.5	11.3#
104	5.9	4.3	6.5

Manual Integrations
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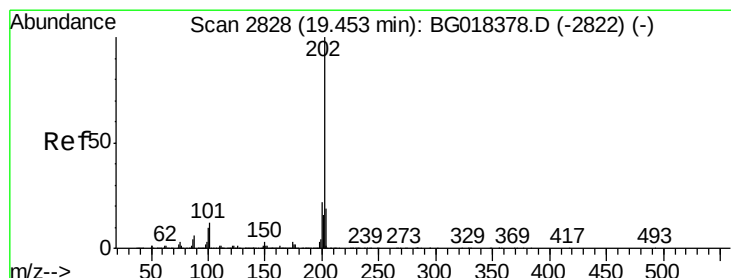
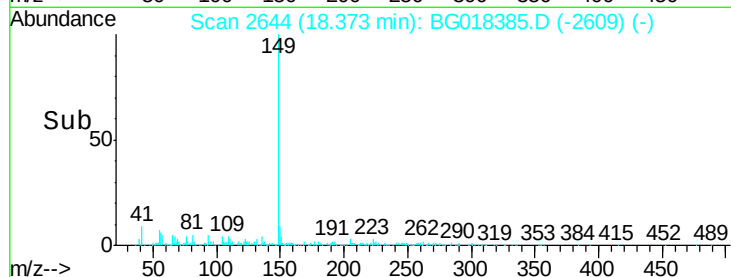
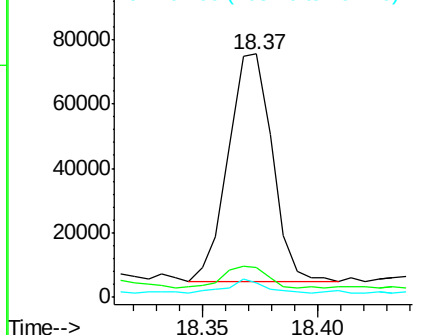
MMDadoda
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 23.32 ng/ul

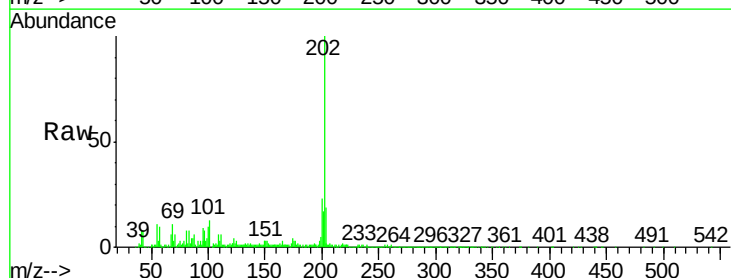
RT: 19.46 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

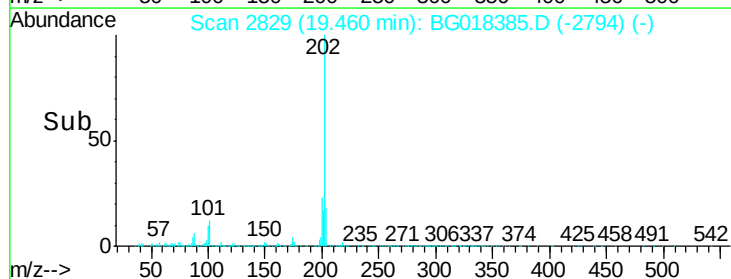
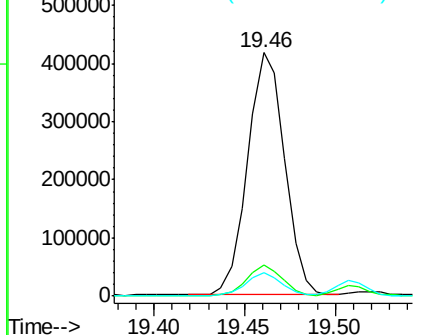
Tgt Ion:	202	Resp:	590219
Ion Ratio	Lower	Upper	
202	100		
101	12.7	9.7	14.5
100	9.8	7.8	11.8

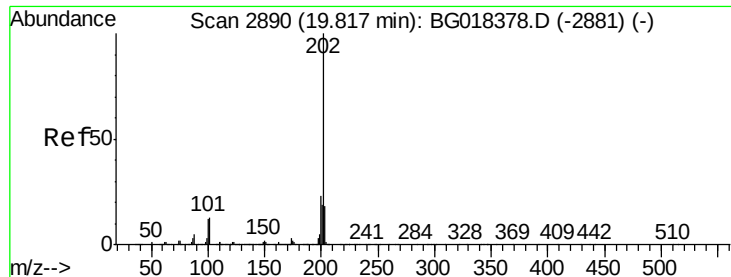


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





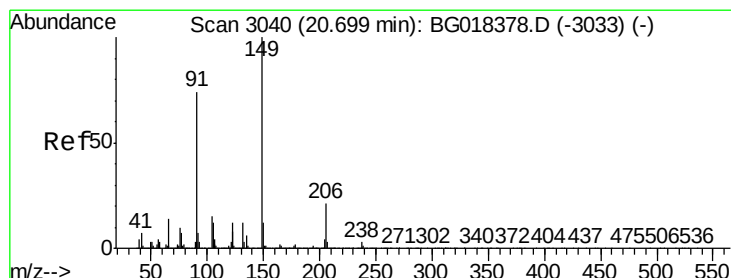
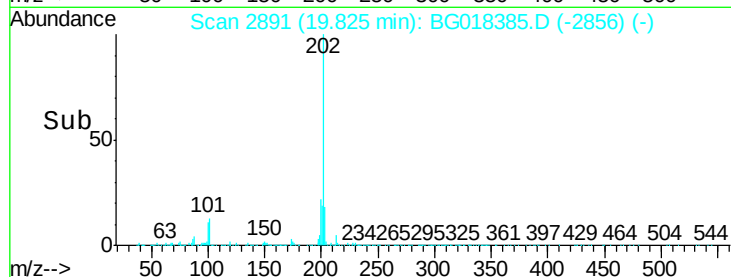
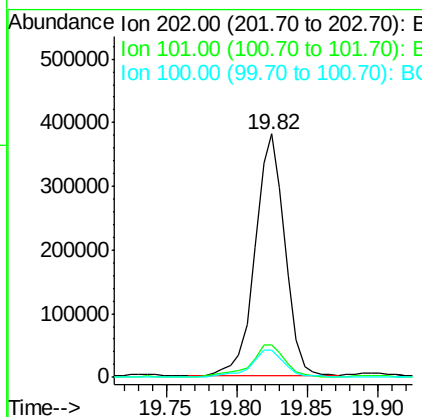
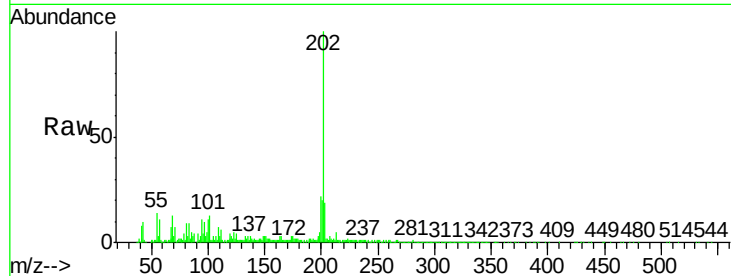
#80
Pvrene
Concen: 21.50 ng/ul
RT: 19.82 min Scan# 2891
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Instrument :
BNA_G
ClientSampled :
C02K2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	563258		
101	13.1		11.0	16.4
100	11.4		9.8	14.6

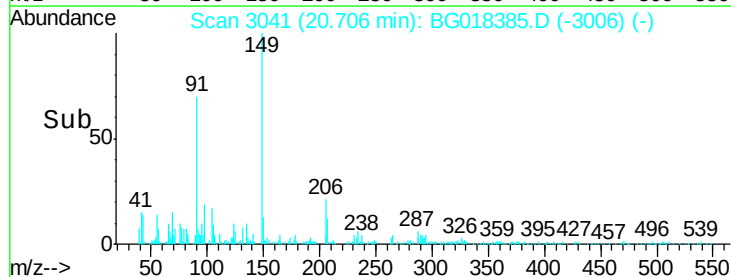
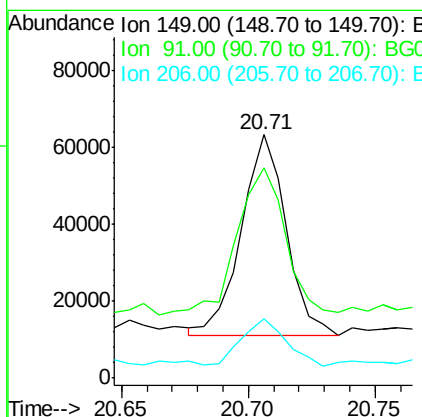
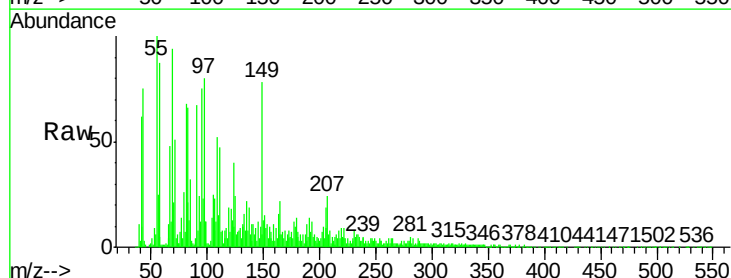
Manual Integrations
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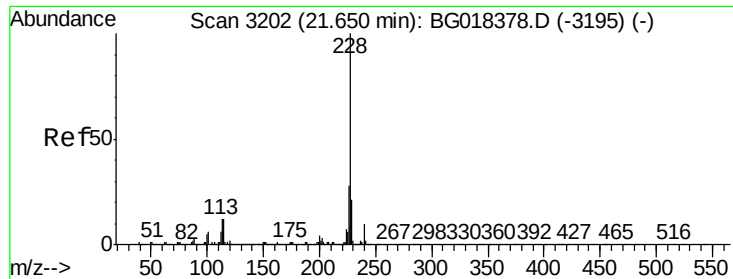
MMDadoda
8/12/2015 3:53:15 PM



#81
Butylbenzylphthalate
Concen: 5.76 ng/ul
RT: 20.71 min Scan# 3041
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	63821		
91	86.2		57.9	86.9
206	24.3		17.9	26.9





#83

Benzo(a)anthracene

Concen: 10.85 ng/ul

RT: 21.66 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

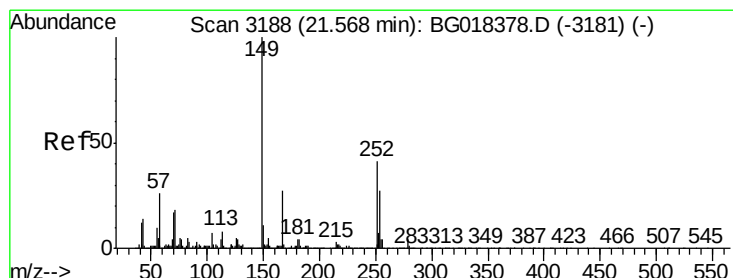
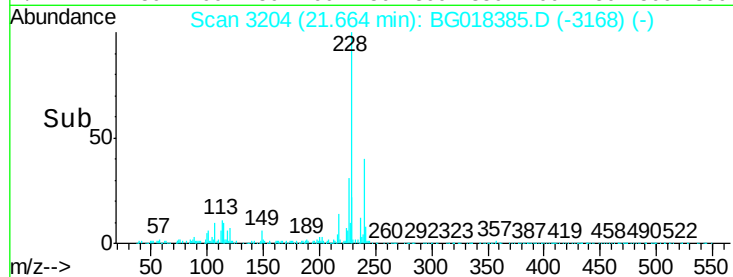
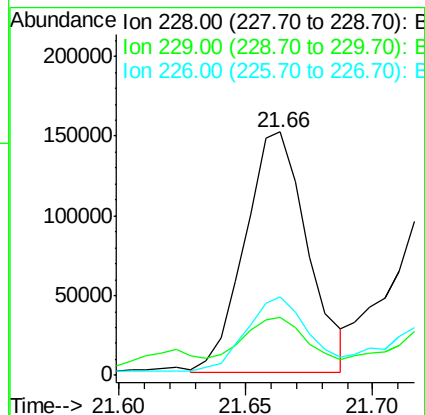
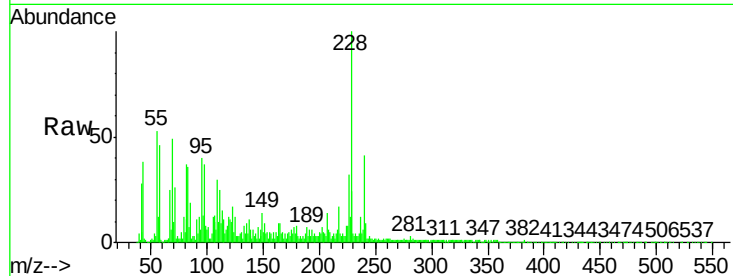
ClientSampleId :

C02K2

Tot Ion:	228	Resp:	260662
Ion Ratio	Lower	Upper	
228	100		
229	24.0	15.5	23.3#
226	32.1	22.1	33.1

Manual Integrations
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8/12/2015 3:53:15 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.37 ng/ul

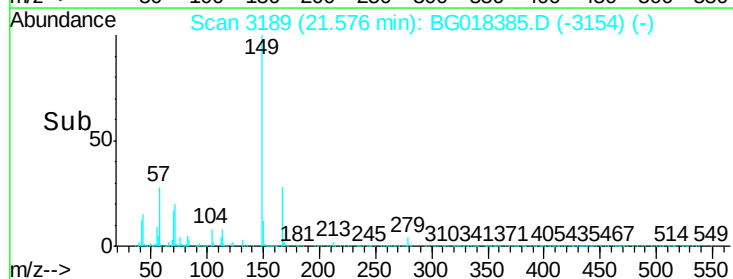
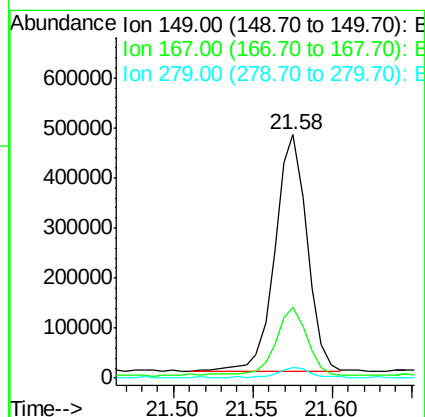
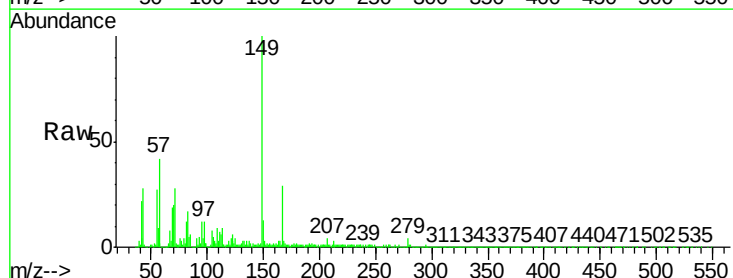
RT: 21.58 min Scan# 3189

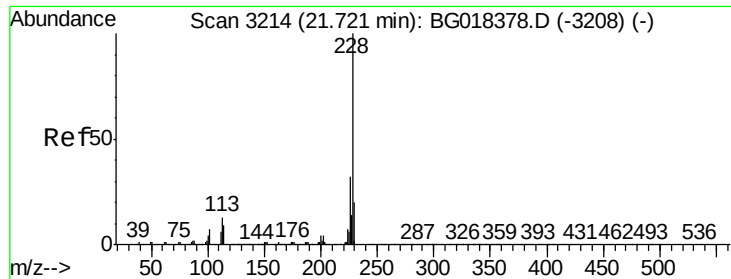
Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	149	Resp:	663311
Ion Ratio	Lower	Upper	
149	100		
167	29.1	22.2	33.2
279	4.3	2.8	4.2#





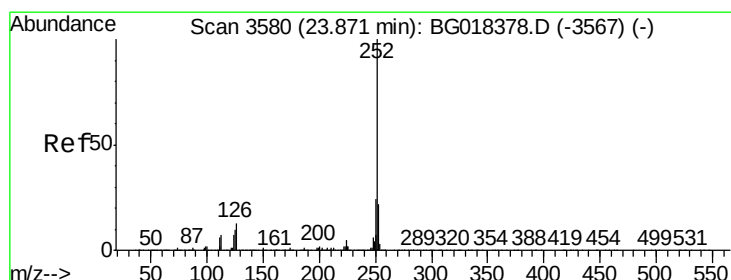
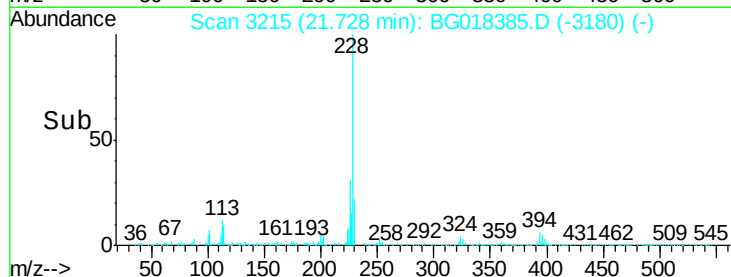
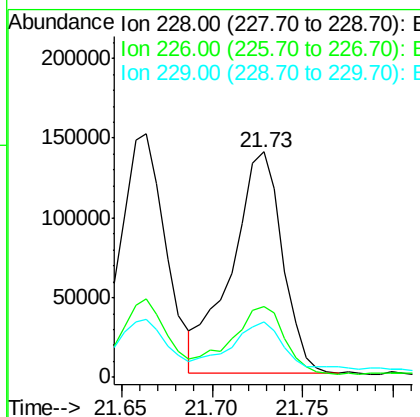
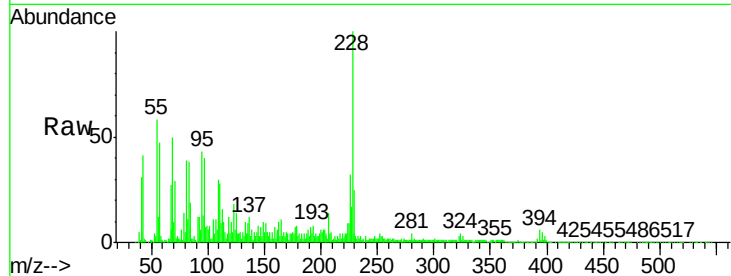
#85
Chrysene
Concen: 12.07 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Instrument :
BNA_G
ClientSampleId :
C02K2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	271082		
226	31.7		26.5	39.7
229	24.6		16.9	25.3

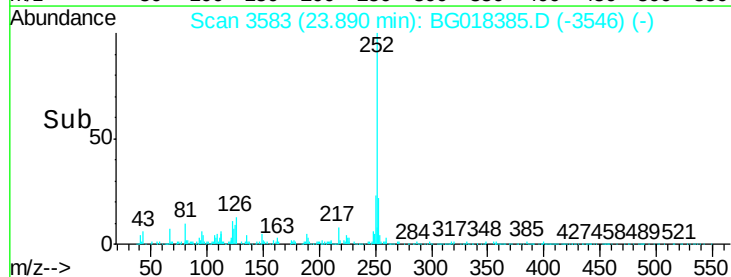
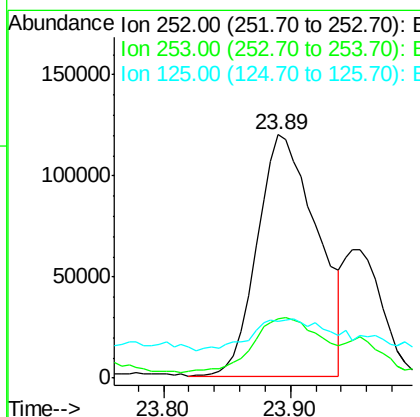
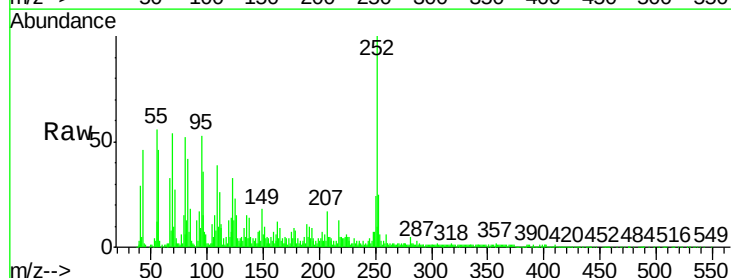
Manual Integrations
APPROVED

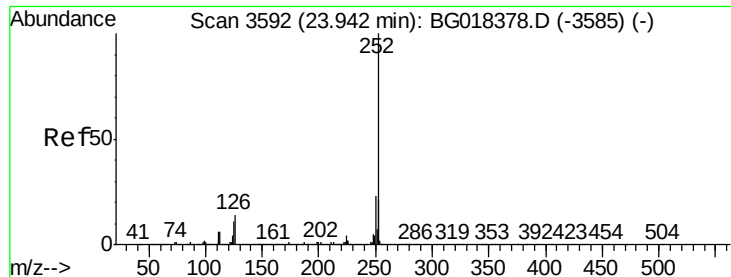
MMDadoda
8/12/2015 3:53:15 PM



#88
Benzo(b)fluoranthene
Concen: 15.49 ng/ul
RT: 23.89 min Scan# 3583
Delta R.T. 0.02 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	391719		
253	24.6		18.1	27.1
125	23.4		8.3	12.5#





#89

Benzo(k)fluoranthene

Concen: 5.28 ng/ul

RT: 23.96 min Scan# 3594

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

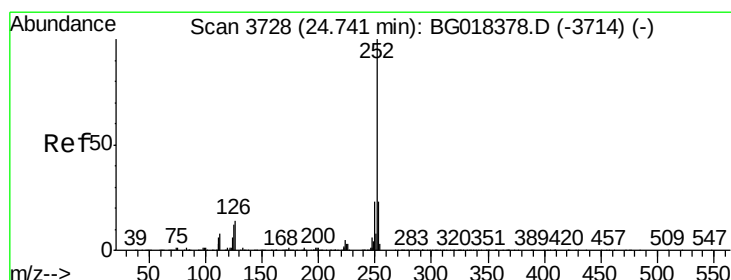
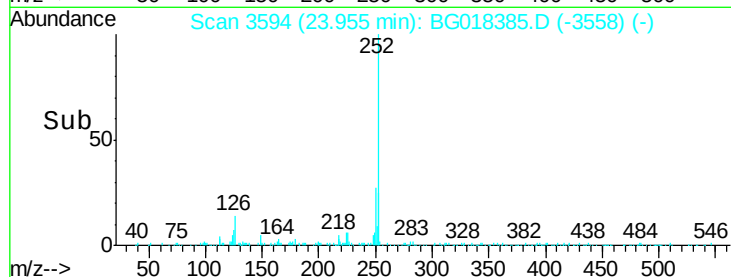
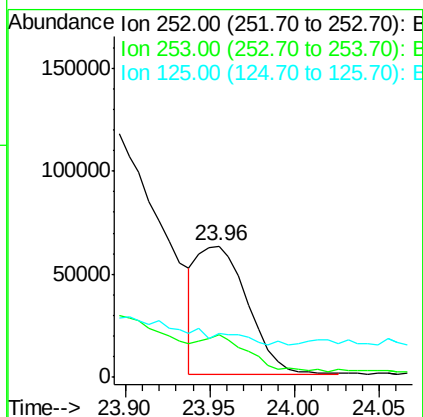
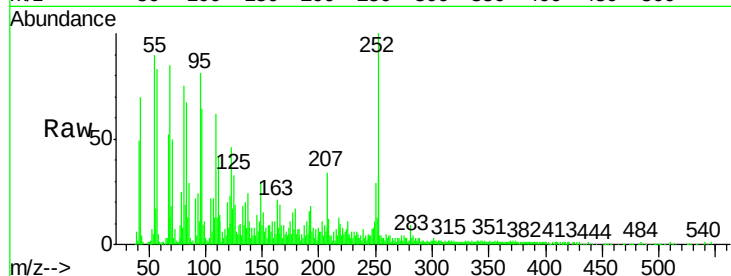
ClientSampleId :

C02K2

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	32.5	17.8	26.6#	
125	33.1	9.0	13.4#	

Manual Integrations
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#91

Benzo(a)pyrene

Concen: 11.05 ng/ul

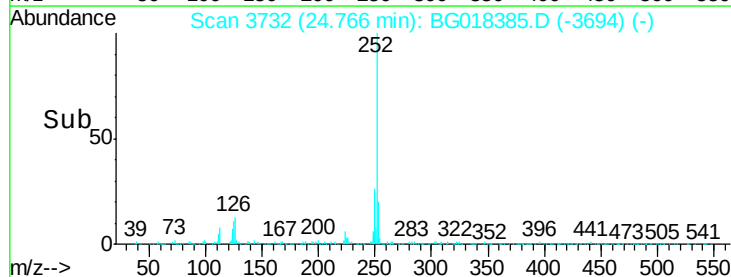
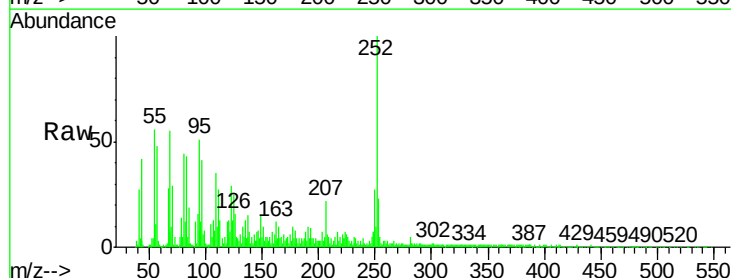
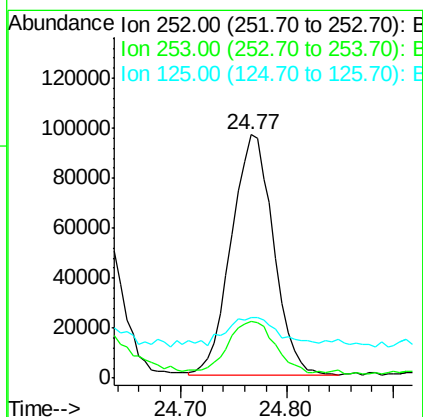
RT: 24.77 min Scan# 3732

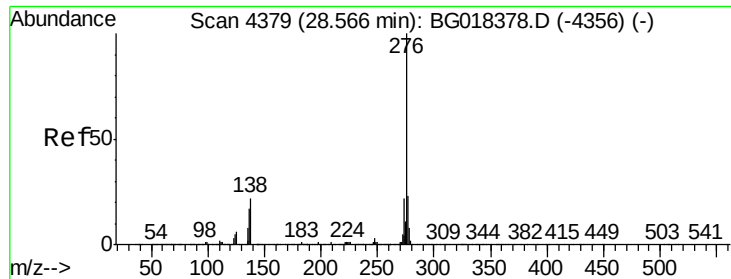
Delta R.T. 0.02 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.4	17.7	26.5	
125	24.9	10.2	15.2#	





#92

Indeno(1,2,3-cd)pyrene

Concen: 6.28 ng/ul

RT: 28.61 min Scan# 4386

Delta R.T. 0.04 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

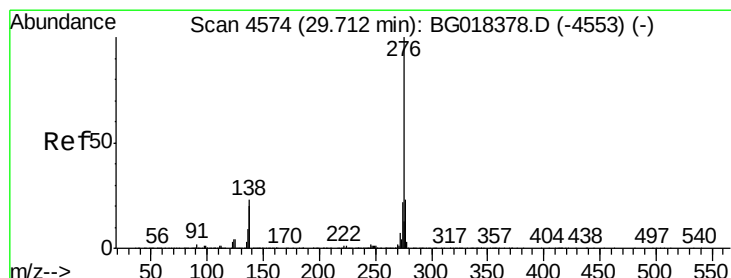
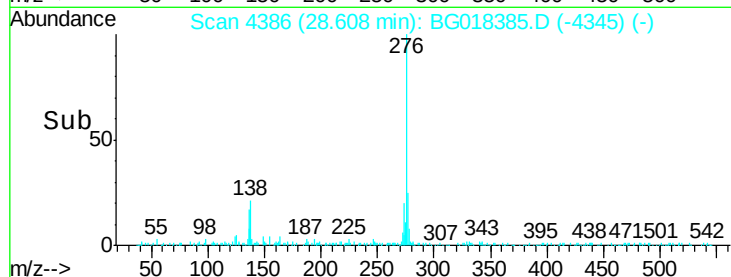
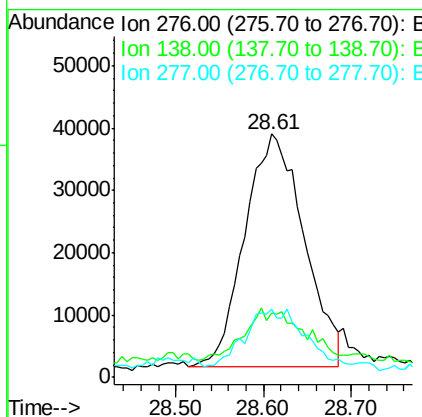
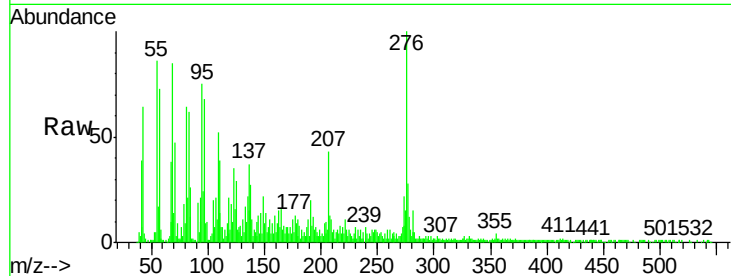
ClientSampleId :

C02K2

Tot Ion:	276	Resp:	174692
Ion Ratio		Lower	Upper
276	100		
138	26.5	15.8	23.6#
277	28.2	18.9	28.3

Manual Integrations
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8/12/2015 3:53:15 PM



#94

Benzo(g,h,i)perylene

Concen: 6.91 ng/ul m

RT: 29.77 min Scan# 4583

Delta R.T. 0.05 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	276	Resp:	161432
Ion Ratio		Lower	Upper
276	100		
138	28.1	16.5	24.7#
277	26.1	19.0	28.6

