

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018283.D
 Acq On : 5 Aug 2015 22:37
 Operator : UM/TP
 Sample : G3109-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 C01P9

Manual Integrations
 APPROVED

apatel
 8/10/2015 9:24:02 AM

Quant Time: Aug 07 12:18:00 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	38382	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	161807	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.11	164	89766	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	159021	20.00	ng/ul	0.00
78) Chrysene-d12	21.10	240	202035	20.00	ng/ul	0.02
86) Perylene-d12	23.30	264	261466	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	2095	4.71	ng/uL	0.00
5) Phenol-d5	6.64	99	60814	20.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	35992	24.67	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	53619	21.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	50042	19.64	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	29619m	23.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	32906	22.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	53601	20.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	22821	7.15	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	164227	23.66	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	177152	22.50	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	13588	11.86	ng/ul	0.00
58) Fluorene-d10	15.12	176	124408	19.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.26	200	18066m	16.41	ng/ul	0.00
71) Anthracene-d10	16.98	188	134347	19.21	ng/ul	0.00
79) Pyrene-d10	19.31	212	123912	10.96	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.16	264	254626	18.72	ng/ul	0.05

Target Compounds

					Ovalue
14) Acetophenone	8.22	105	13619	3.33	ng/ul# 57
16) 4-Methylphenol	8.24	108	8259	3.01	ng/ul# 78
24) 2,4-Dimethylphenol	9.42	107	14647	4.49	ng/ul 95
28) Naphthalene	10.26	128	109628	14.41	ng/ul# 96
34) 2-Methylnaphthalene	11.90	142	68348	11.20	ng/ul 97
35) 1-Methylnaphthalene	12.12	142	45315	7.68	ng/ul# 94
41) 1,1'-Biphenyl	12.93	154	27301	4.41	ng/ul 95
45) Dimethylphthalate	13.58	163	63616	9.18	ng/ul 98
50) Acenaphthene	14.18	153	62721	11.96	ng/ul 98
54) Dibenzofuran	14.52	168	61092	7.91	ng/ul 93
59) Fluorene	15.18	166	63700	9.39	ng/ul 95
65) N-Nitrosodiphenylamine	15.40	169	18433	4.41	ng/ul# 61
70) Phenanthrene	16.92	178	297849	37.11	ng/ul 98
72) Anthracene	17.01	178	75198m	9.39	ng/ul
75) Carbazole	17.29	167	30060	4.45	ng/ul# 84
77) Fluoranthene	18.97	202	299166	33.61	ng/ul# 94
80) Pyrene	19.34	202	261631	18.62	ng/ul# 96
81) Butylbenzylphthalate	20.25	149	92390	16.96	ng/ul 89
83) Benzo(a)anthracene	21.09	228	153978	14.44	ng/ul# 89
84) Bis(2-ethylhexyl)phthalate	21.03	149	1356420	206.87	ng/ul# 86
85) Chrysene	21.14	228	191081	19.94	ng/ul# 93
88) Benzo(b)fluoranthene	22.64	252	347120	21.65	ng/ul# 63
89) Benzo(k)fluoranthene	22.68	252	102615m	6.67	ng/ul

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C01P9

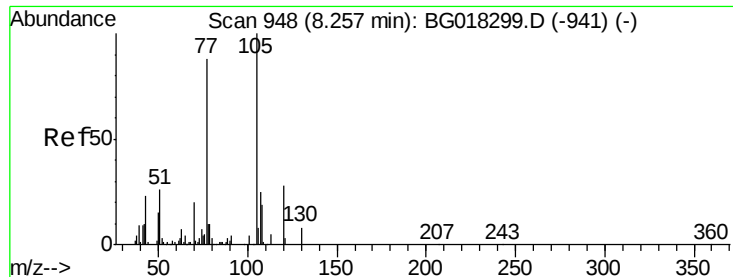
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Quant Time: Aug 07 12:18:00 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.21	252	207588	14.83	ng/ul#	64
92) Indeno(1,2,3-cd)pyrene	25.52	276	99813	5.76	ng/ul#	77
94) Benzo(g,h,i)perylene	26.20	276	111807m	7.95	ng/ul	

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



#14

Acetophenone

Concen: 3.33 ng/ul

RT: 8.22 min Scan# 942

Delta R.T. -0.03 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

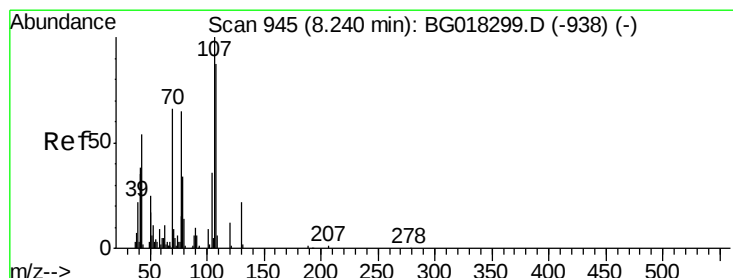
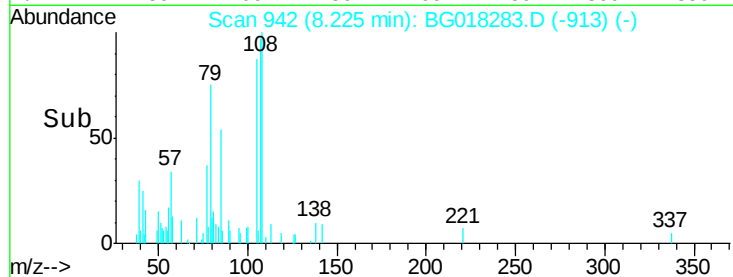
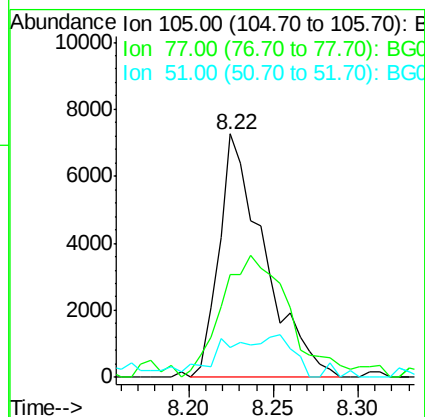
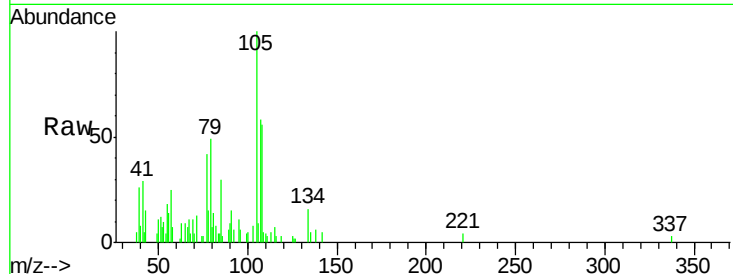
ClientSampleId :

C01P9

Tot Ion:	105	Resp:	13619
Ion Ratio	Lower	Upper	
105	100		
77	42.0	67.5	101.3#
51	12.4	23.6	35.4#

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#16

4-Methylphenol

Concen: 3.01 ng/ul

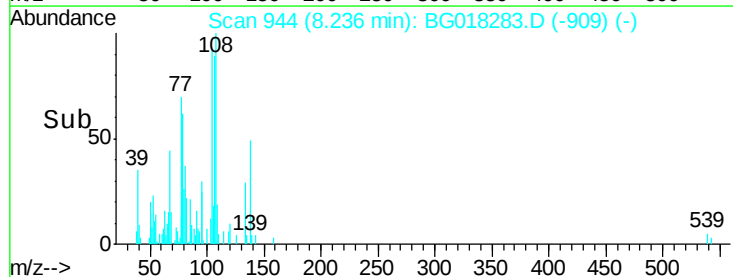
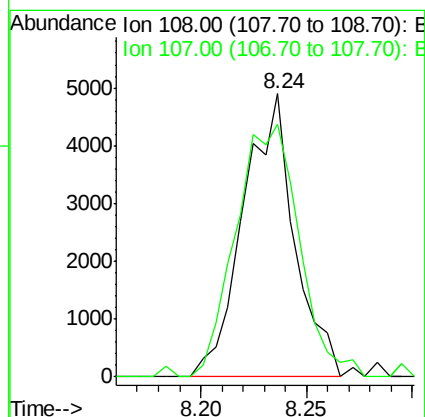
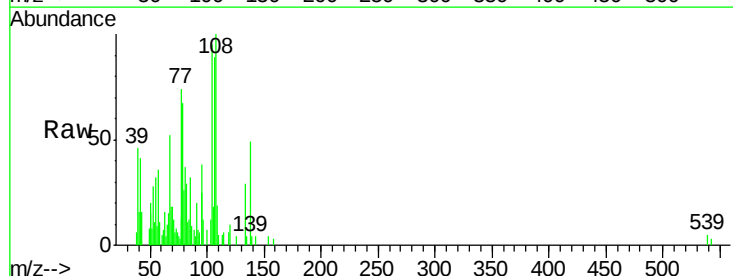
RT: 8.24 min Scan# 944

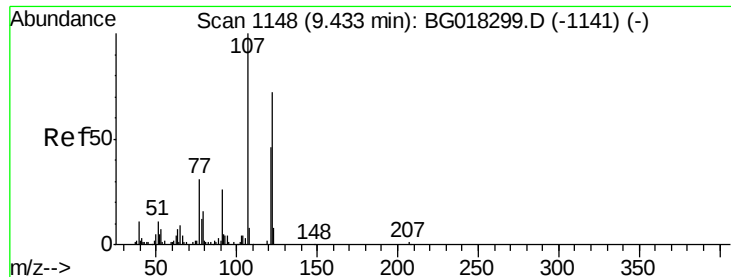
Delta R.T. 0.01 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:	108	Resp:	8259
Ion Ratio	Lower	Upper	
108	100		
107	89.2	89.9	134.9#





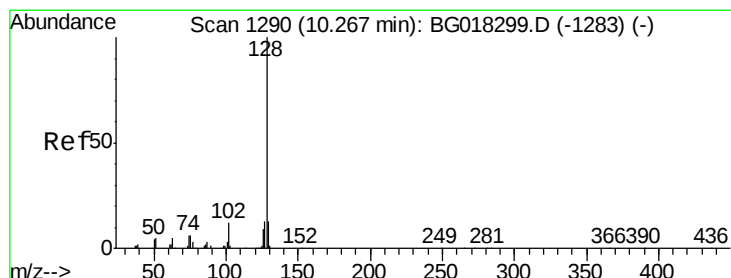
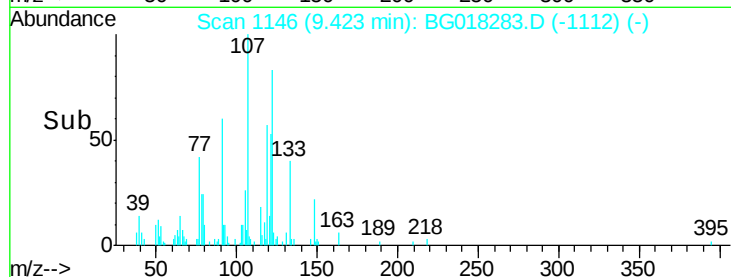
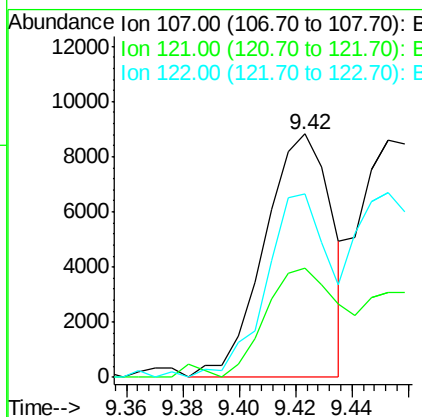
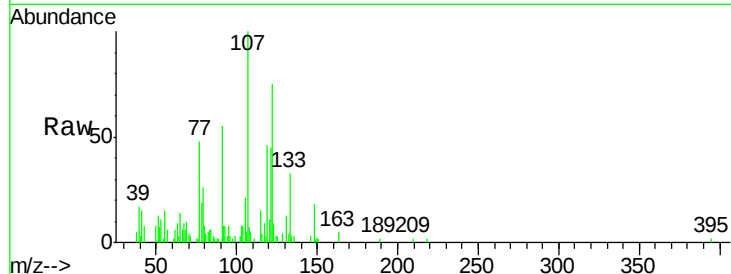
#24
 2,4-Dimethylphenol
 Concen: 4.49 ng/ul
 RT: 9.42 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Tot Ion	Ratio	Lower	Upper
107	100		
121	45.0	34.8	52.2
122	75.1	55.5	83.3

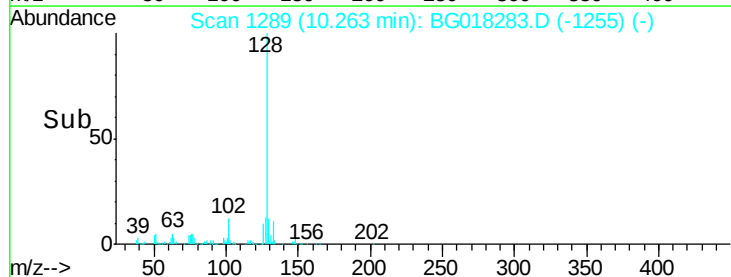
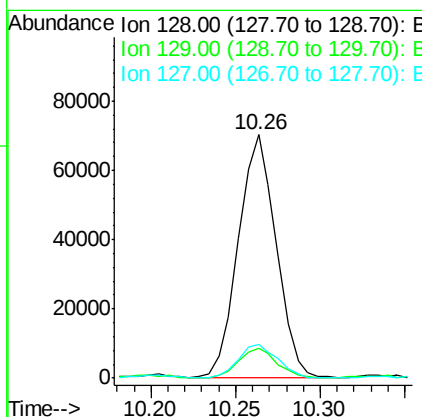
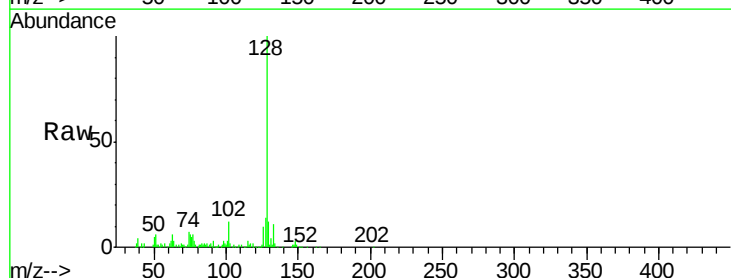
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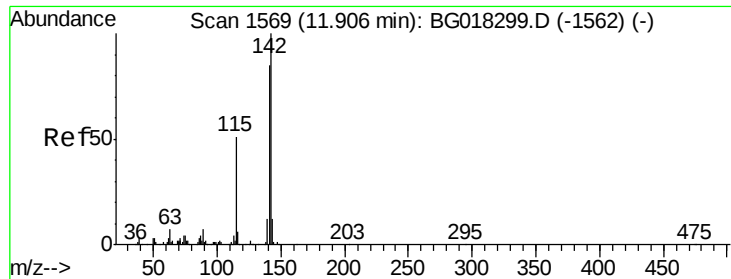
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#28
 Naphthalene
 Concen: 14.41 ng/ul
 RT: 10.26 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	7.8	11.6#
127	13.7	10.2	15.4





#34

2-Methylnaphthalene

Concen: 11.20 ng/ul

RT: 11.90 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

ClientSampled :

C01P9

Tot Ion:142 Resp: 68348

Ion Ratio Lower Upper

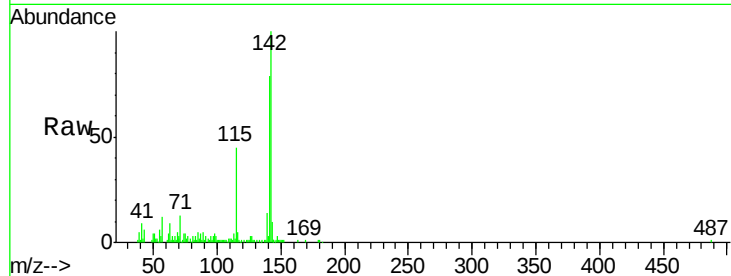
142 100

141 79.4 65.9 98.9

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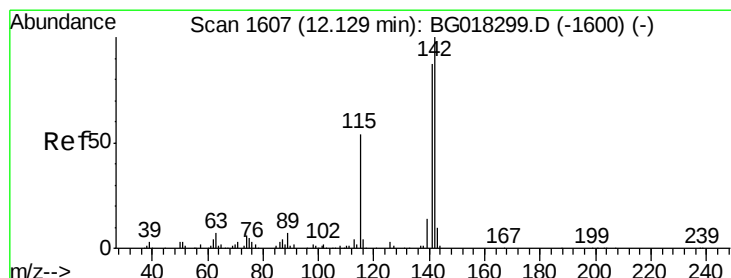
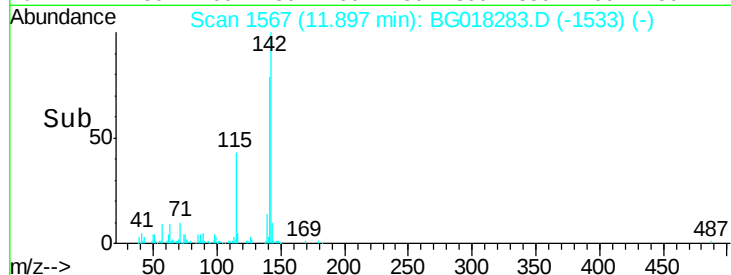
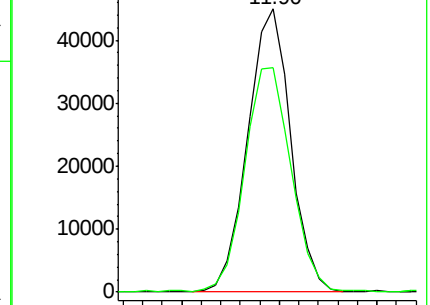
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 7.68 ng/ul

RT: 12.12 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

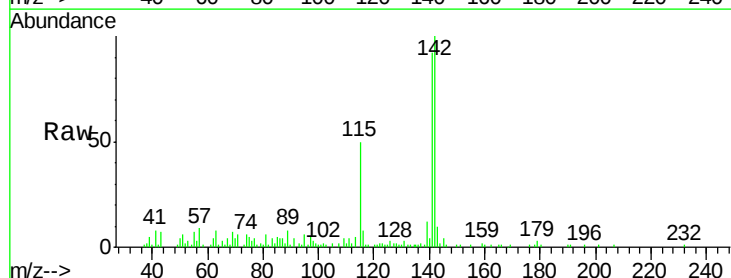
Tgt Ion:142 Resp: 45315

Ion Ratio Lower Upper

142 100

141 91.8 69.0 103.4

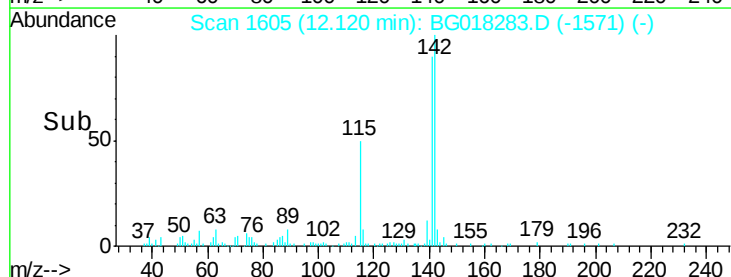
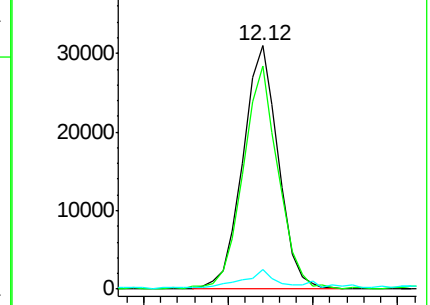
116 8.3 4.2 6.4#

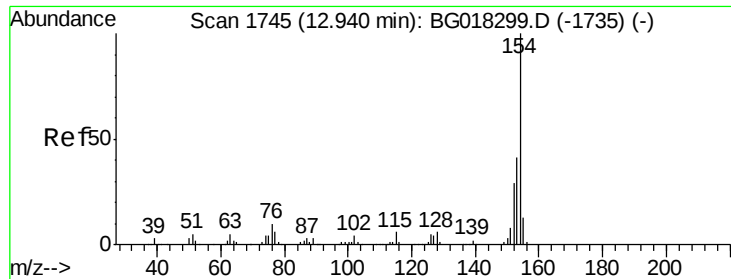


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





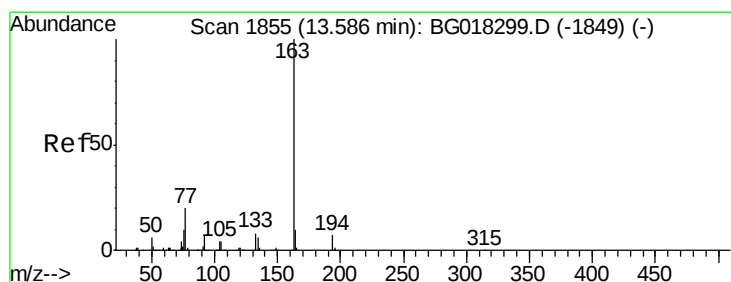
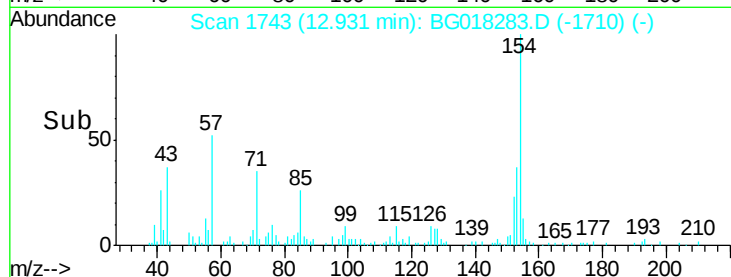
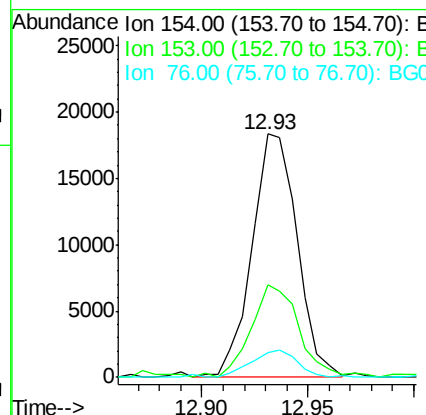
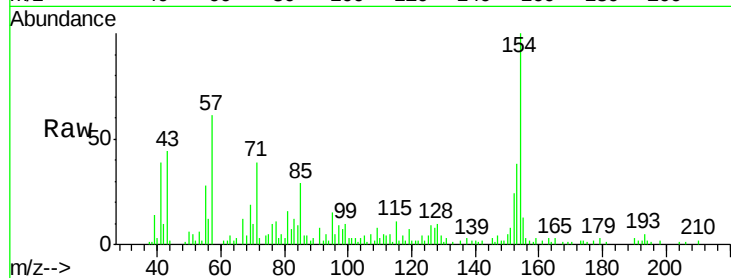
#41
 1,1'-Biphenyl
 Concen: 4.41 ng/ul
 RT: 12.93 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Instrument :
 BNA_G
 ClientSampled :
 C01P9

Tot Ion:	154	Resp:	27301
Ion Ratio	Lower	Upper	
154	100		
153	38.1	33.4	50.0
76	10.2	8.6	12.8

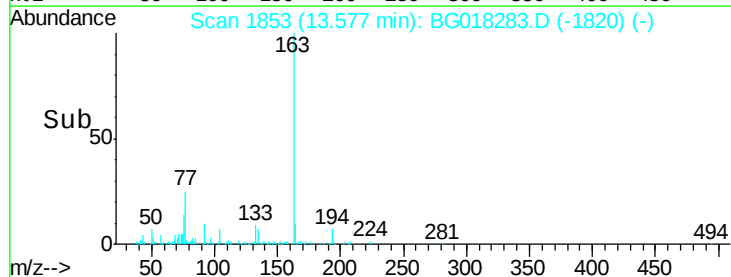
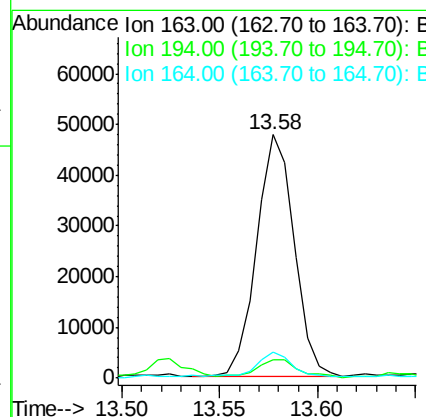
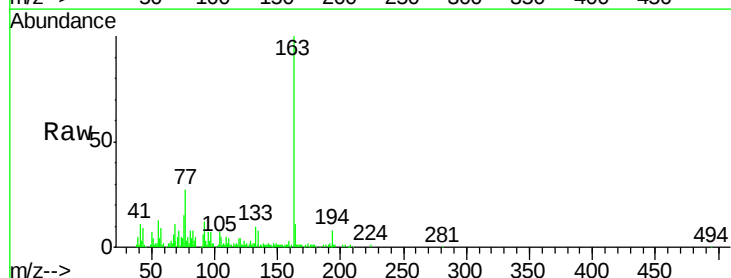
Manual Integrations
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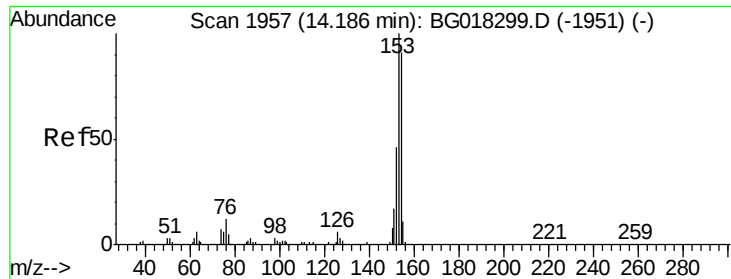
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#45
 Dimethylphthalate
 Concen: 9.18 ng/ul
 RT: 13.58 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion:	163	Resp:	63616
Ion Ratio	Lower	Upper	
163	100		
194	7.7	5.4	8.2
164	10.6	7.8	11.8





#50

Acenaphthene

Concen: 11.96 ng/ul

RT: 14.18 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

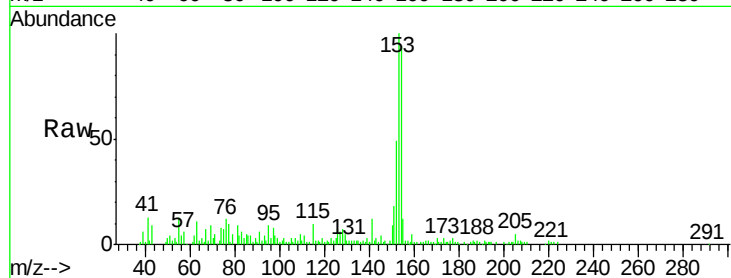
ClientSampleId :

C01P9

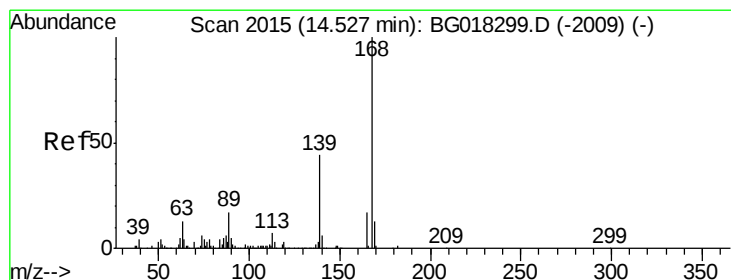
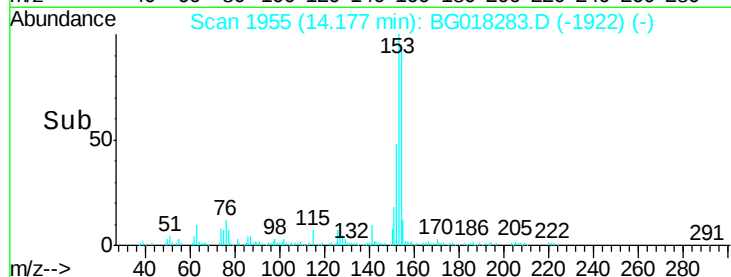
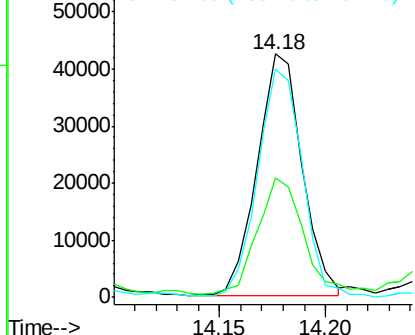
Tot Ion:	153	Resp:	62721
Ion	Ratio	Lower	Upper
153	100		
152	49.2	39.0	58.4
154	94.0	77.4	116.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 7.91 ng/ul

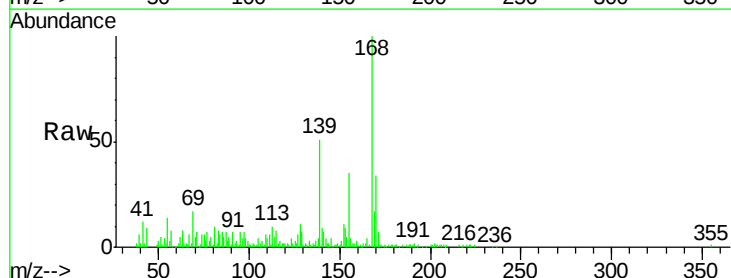
RT: 14.52 min Scan# 2013

Delta R.T. 0.00 min

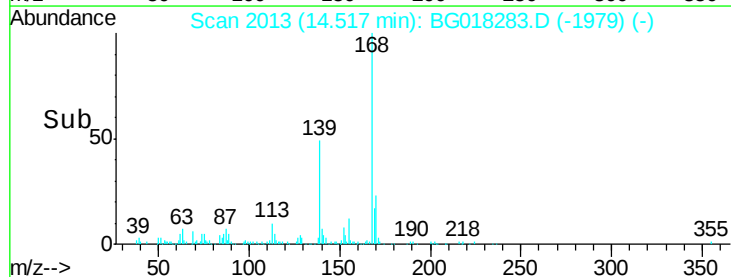
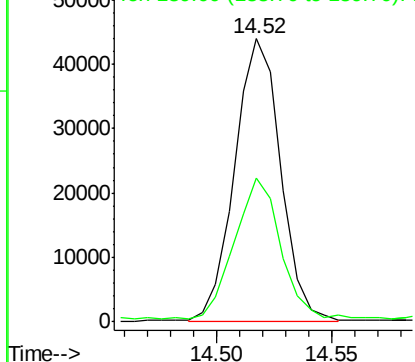
Lab File: BG018283.D

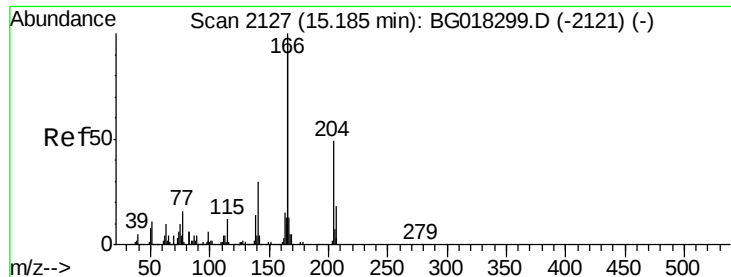
Acq: 5 Aug 2015 22:37

Tgt Ion:	168	Resp:	61092
Ion	Ratio	Lower	Upper
168	100		
139	50.9	37.1	55.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





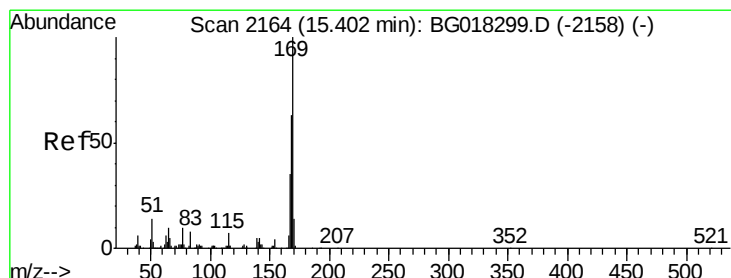
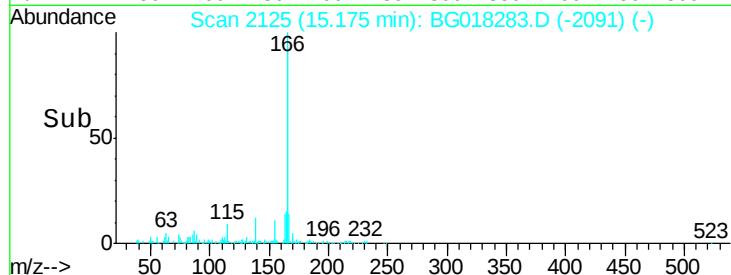
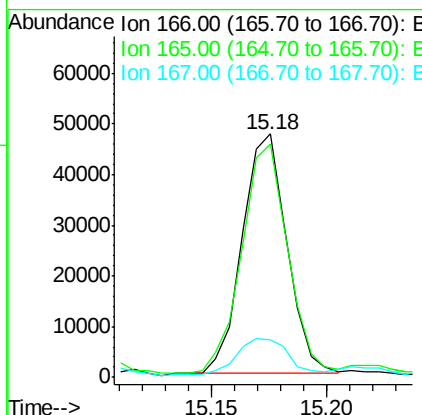
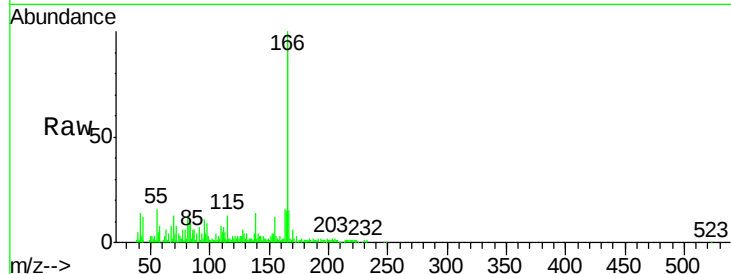
#59
Fluorene
 Concen: 9.39 ng/ul
 RT: 15.18 min Scan# 2125
 Delta R.T. 0.00 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.0	72.4	108.6
167	15.3	11.4	17.0

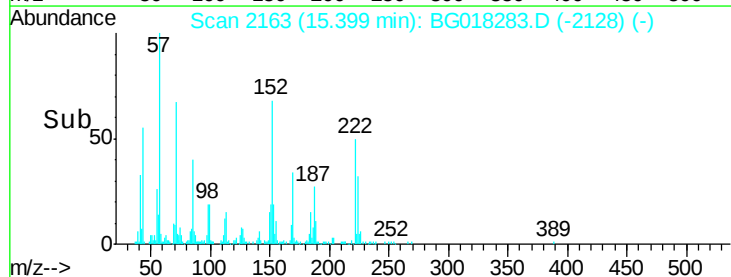
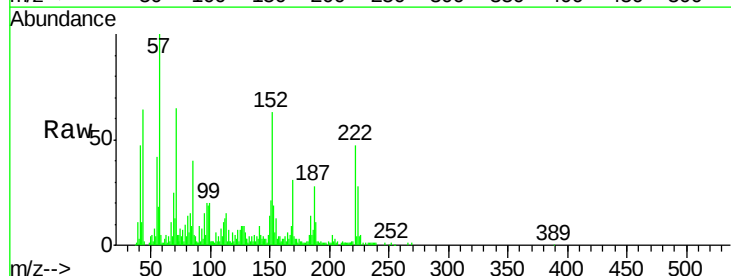
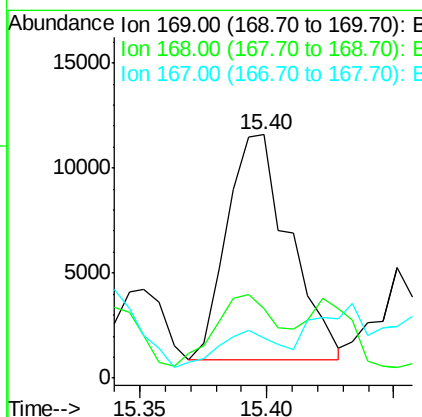
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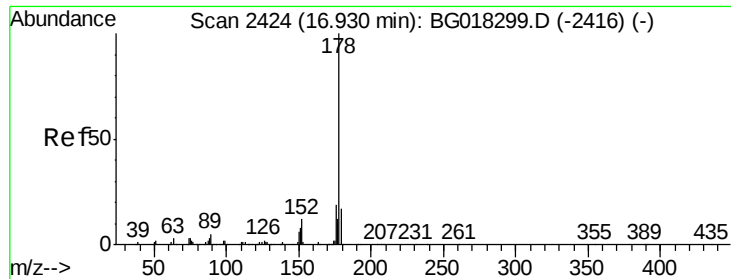
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#65
N-Nitrosodiphenylamine
 Concen: 4.41 ng/ul
 RT: 15.40 min Scan# 2163
 Delta R.T. 0.01 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Lower	Upper
169	100		
168	28.6	50.2	75.2#
167	16.5	27.3	40.9#





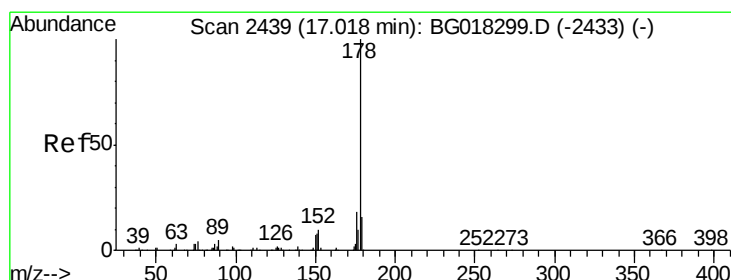
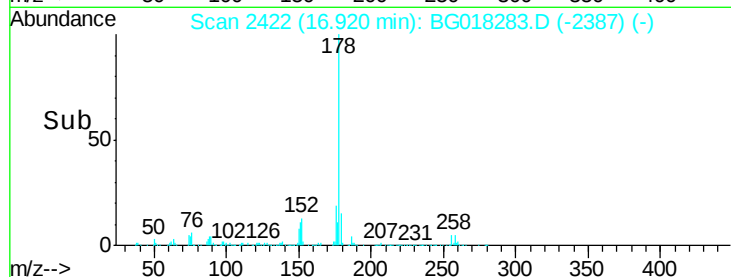
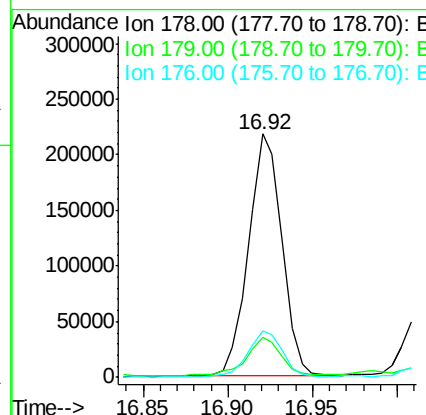
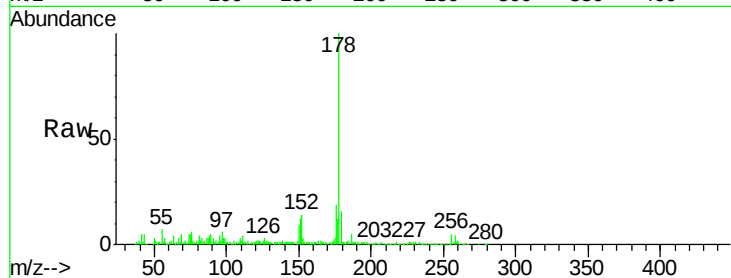
#70
Phenanthrene
Concen: 37.11 ng/ul
RT: 16.92 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Instrument :
BNA_G
ClientSampled :
C01P9

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.4
176	19.1	14.5	21.7

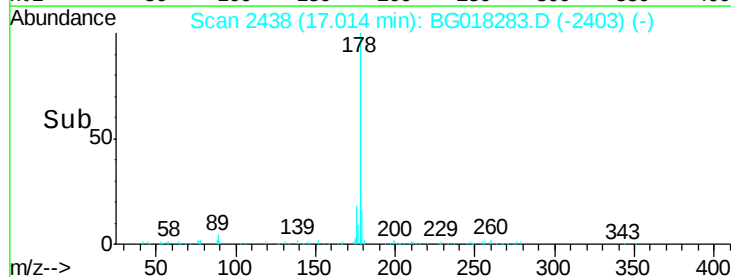
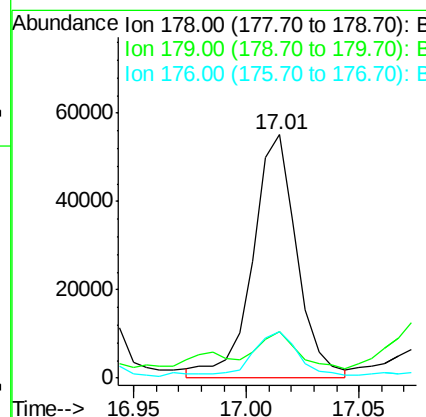
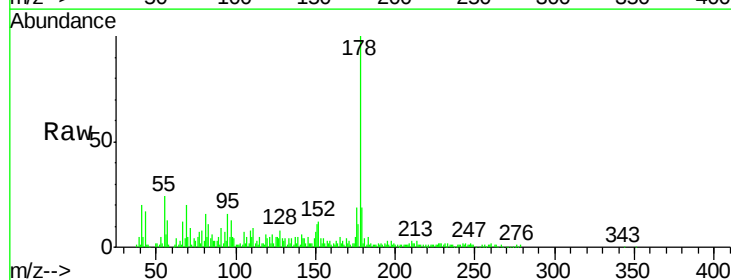
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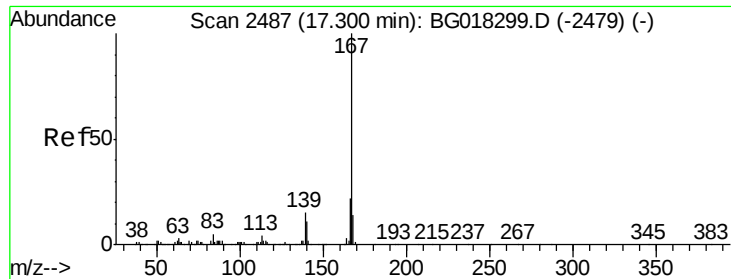
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#72
Anthracene
Concen: 9.39 ng/ul m
RT: 17.01 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.2	18.4#
176	19.2	15.3	22.9





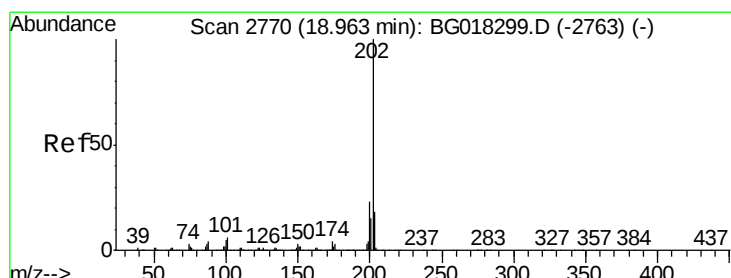
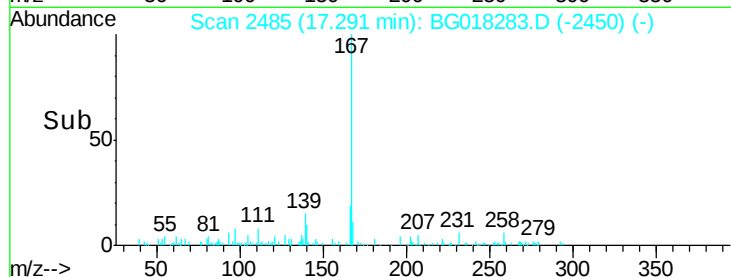
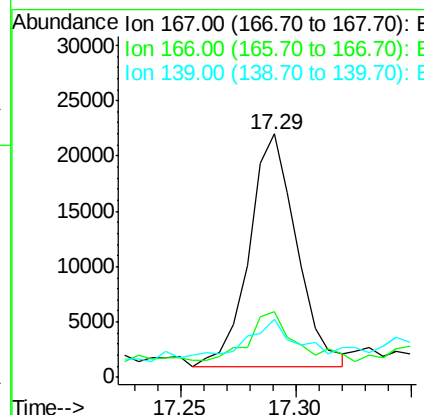
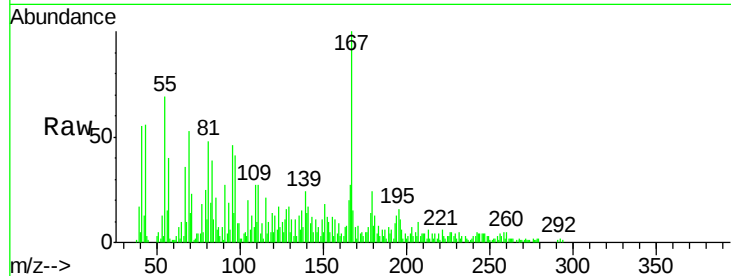
#75
 Carbazole
 Concen: 4.45 ng/ul
 RT: 17.29 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Instrument :
 BNA_G
 ClientSampleId :
 C01P9

Tot Ion	Ratio	Lower	Upper
167	100		
166	27.1	17.8	26.8#
139	23.8	10.6	16.0#

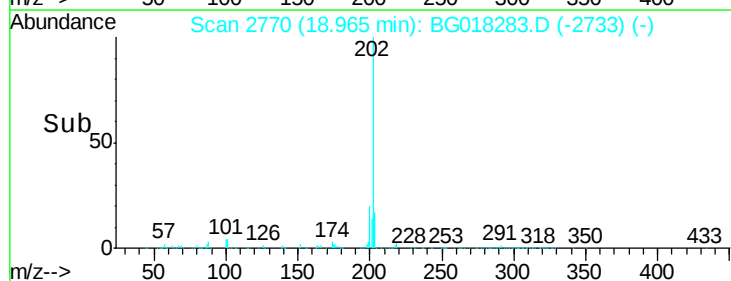
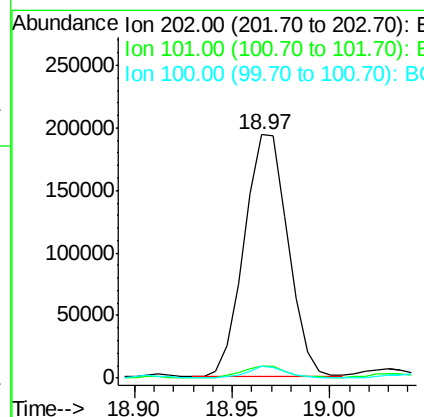
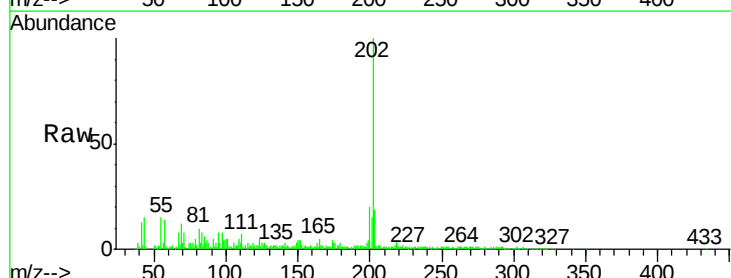
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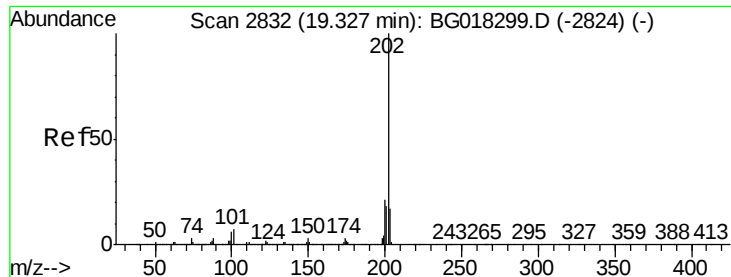
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#77
 Fluoranthene
 Concen: 33.61 ng/ul
 RT: 18.97 min Scan# 2770
 Delta R.T. 0.02 min
 Lab File: BG018283.D
 Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.7	6.2	9.2#
100	4.7	4.6	6.8





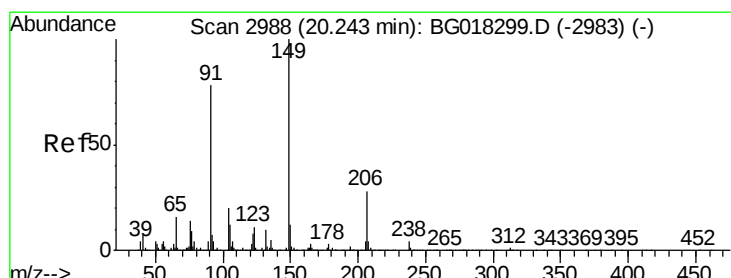
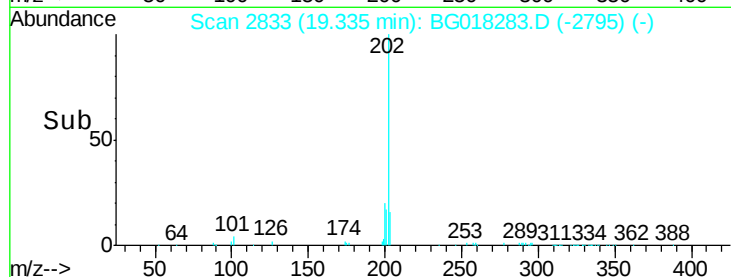
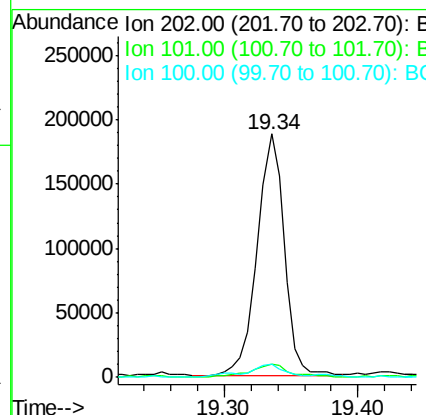
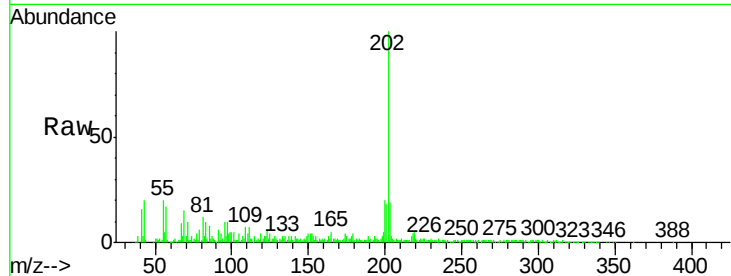
#80
Pvrene
Concen: 18.62 ng/ul
RT: 19.34 min Scan# 2833
Delta R.T. 0.03 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Instrument :
BNA_G
ClientSampled :
C01P9

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	5.5	6.2	9.2#
100	5.4	4.6	7.0

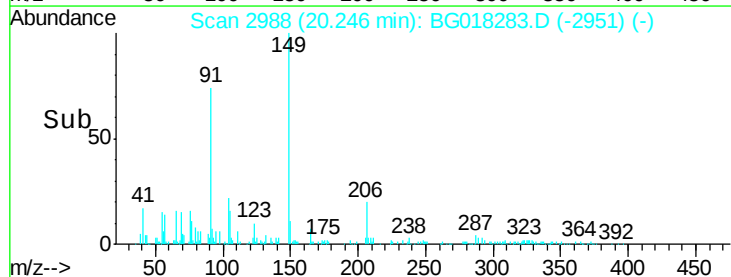
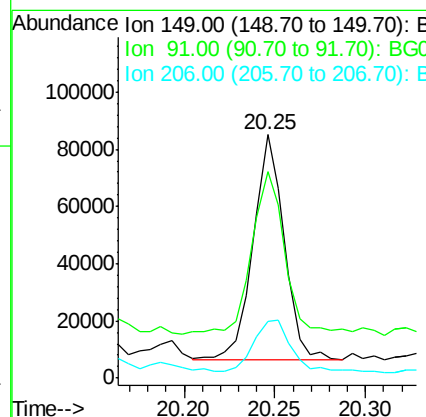
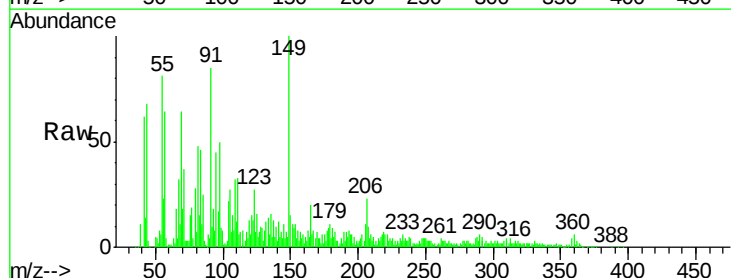
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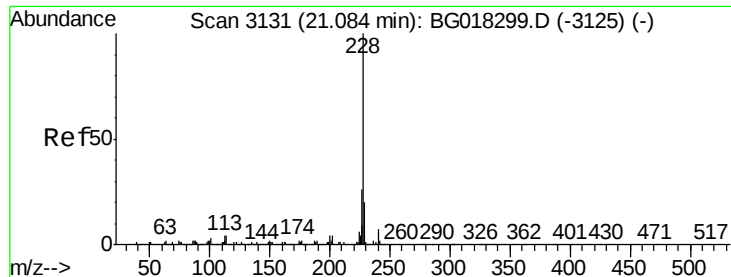
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#81
Butylbenzylphthalate
Concen: 16.96 ng/ul
RT: 20.25 min Scan# 2988
Delta R.T. 0.02 min
Lab File: BG018283.D
Acq: 5 Aug 2015 22:37

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	84.7	58.2	87.2
206	23.2	19.9	29.9





#83

Benzo(a)anthracene

Concen: 14.44 ng/ul

RT: 21.09 min Scan# 3131

Delta R.T. 0.02 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

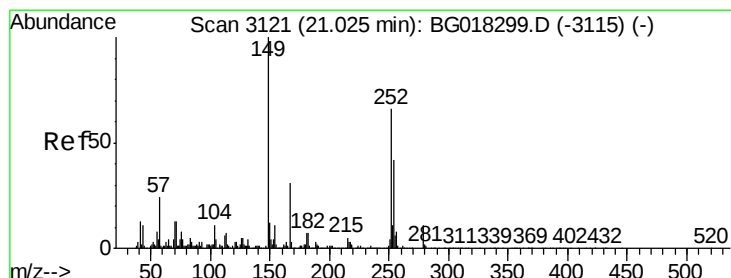
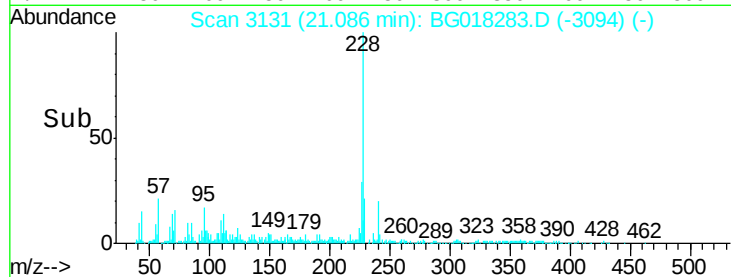
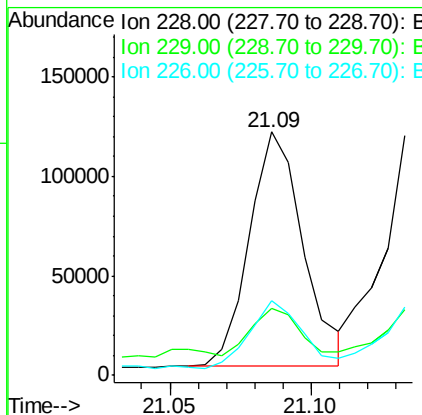
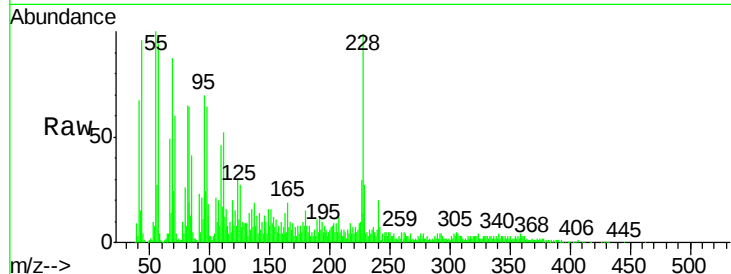
ClientSampleId :

C01P9

Tot Ion:	228	Resp:	153978
Ion Ratio	Lower	Upper	
228	100		
229	27.6	16.3	24.5#
226	30.5	21.2	31.8

Manual Integrations
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#84

Bis(2-ethylhexyl)phthalate

Concen: 206.87 ng/ul

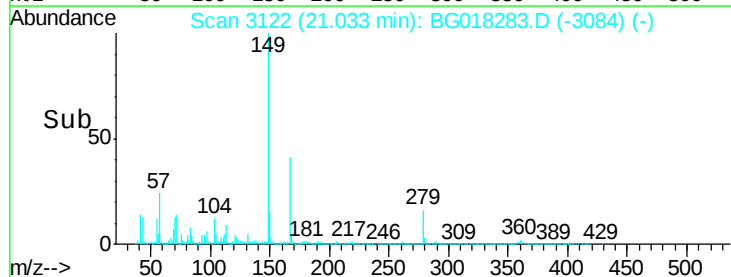
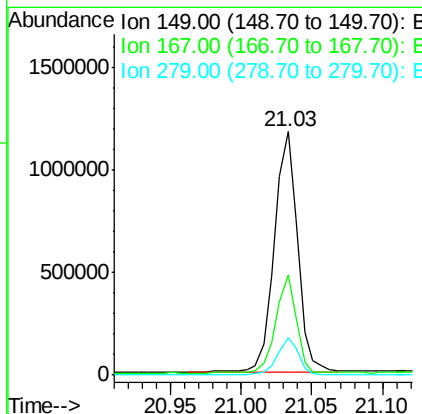
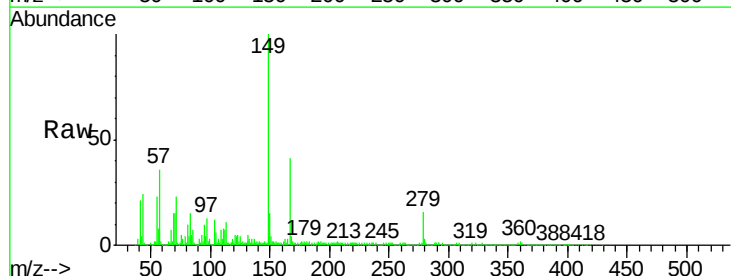
RT: 21.03 min Scan# 3122

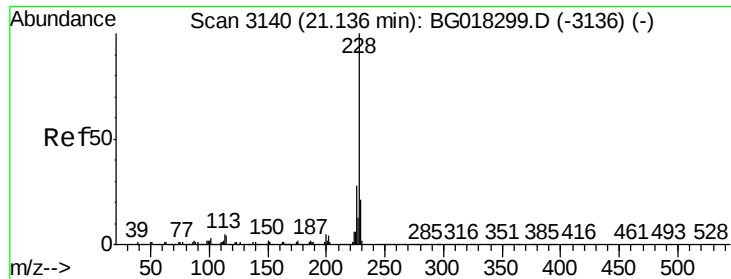
Delta R.T. 0.03 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:	149	Resp:	1356420
Ion Ratio	Lower	Upper	
149	100		
167	41.1	26.4	39.6#
279	15.7	8.6	12.8#





#85

Chrysene

Concen: 19.94 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. 0.02 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

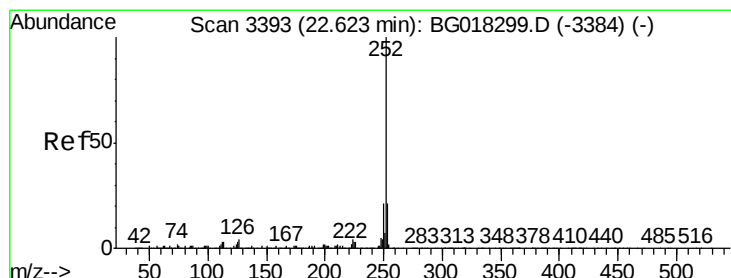
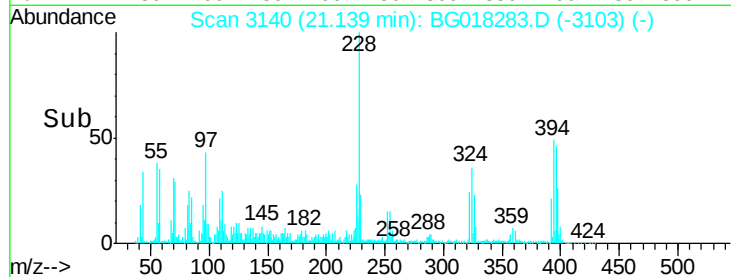
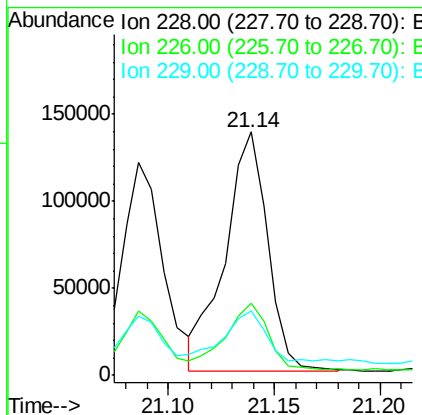
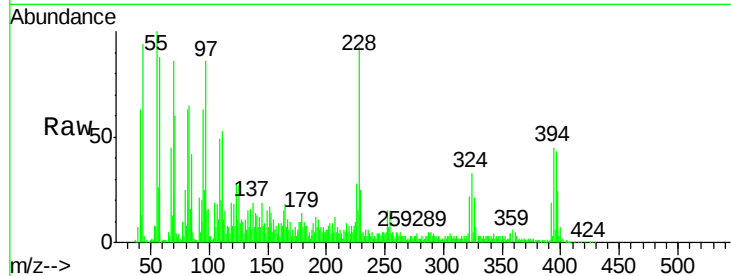
ClientSampled :

C01P9

Tot Ion:	228	Resp:	191081
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.0	34.6
229	26.6	15.9	23.9#

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#88

Benzo(b)fluoranthene

Concen: 21.65 ng/ul

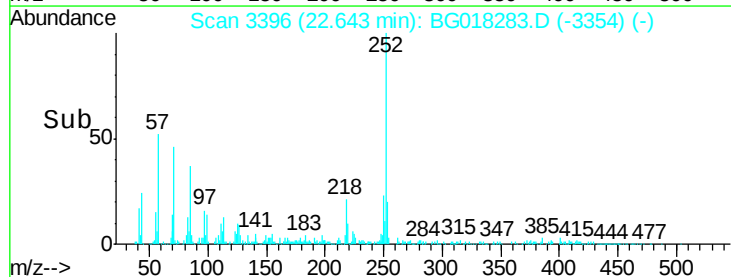
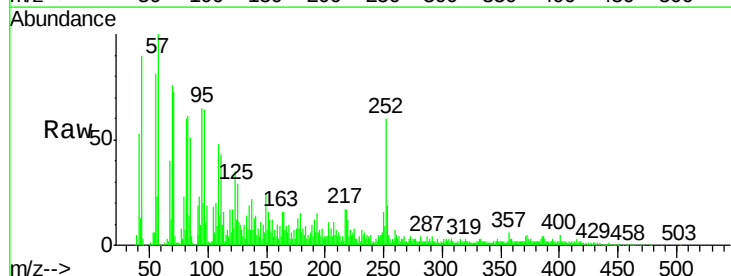
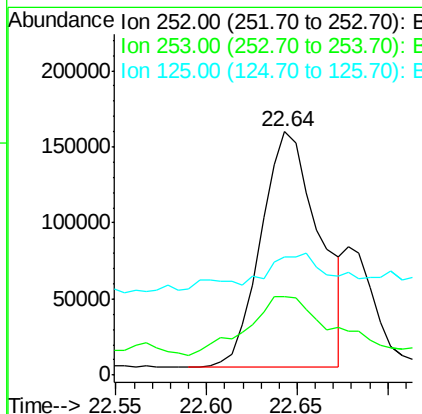
RT: 22.64 min Scan# 3396

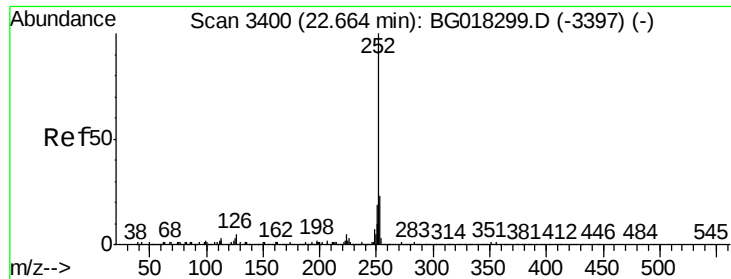
Delta R.T. 0.05 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:	252	Resp:	347120
Ion Ratio	Lower	Upper	
252	100		
253	32.4	18.1	27.1#
125	48.6	3.1	4.7#





#89

Benzo(k)fluoranthene

Concen: 6.67 ng/ul m

RT: 22.68 min Scan# 3402

Delta R.T. 0.04 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

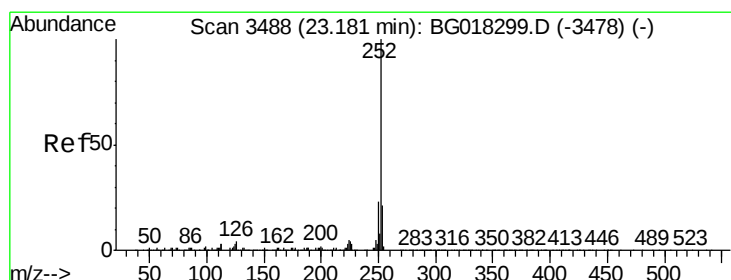
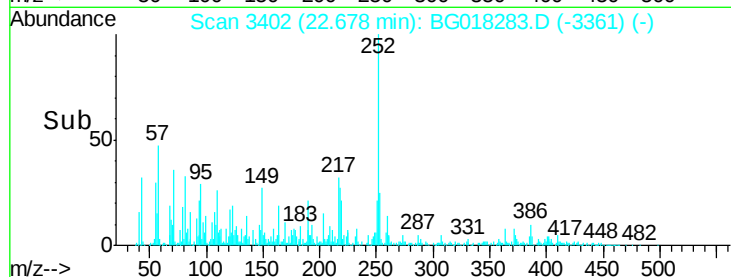
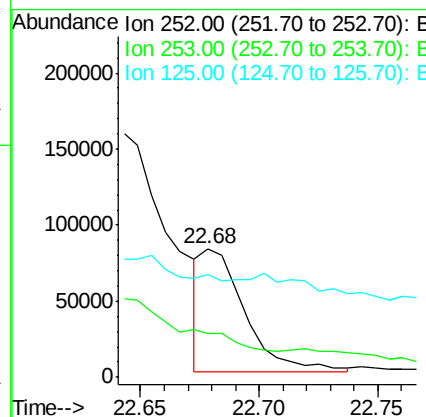
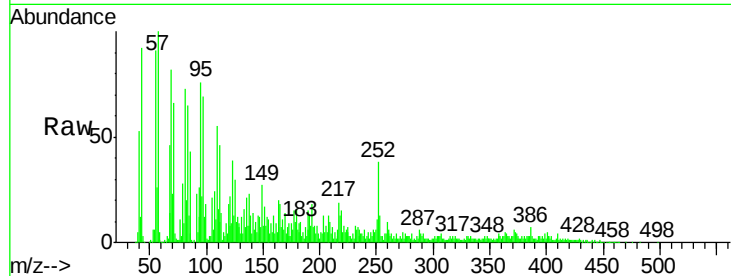
ClientSampled :

C01P9

Tot Ion:	252	Resp:	102615
Ion Ratio	Lower	Upper	
252	100		
253	34.2	16.4	24.6#
125	79.9	3.4	5.2#

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#91

Benzo(a)pyrene

Concen: 14.83 ng/ul

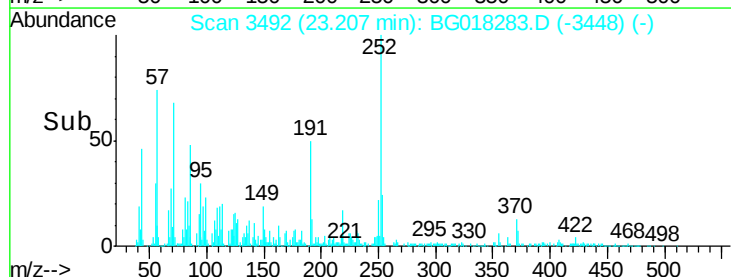
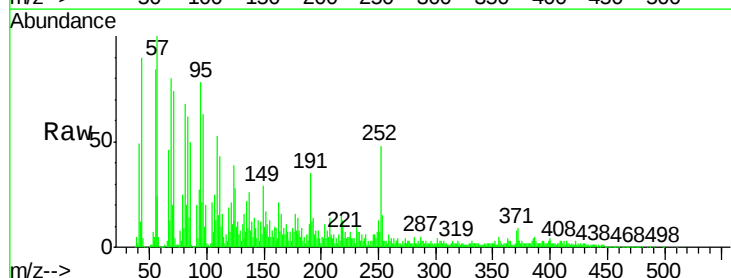
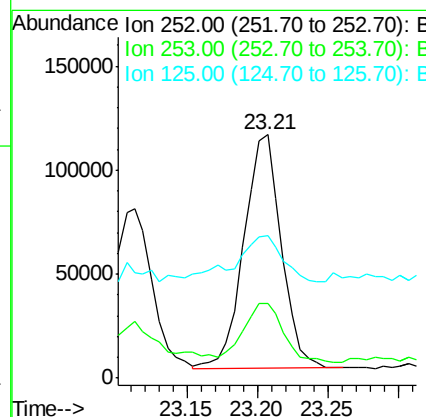
RT: 23.21 min Scan# 3492

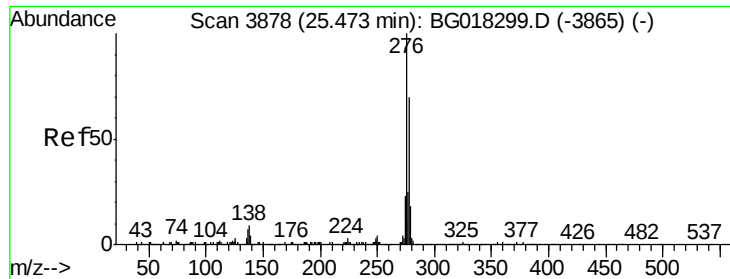
Delta R.T. 0.06 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:	252	Resp:	207588
Ion Ratio	Lower	Upper	
252	100		
253	30.8	18.9	28.3#
125	58.4	3.2	4.8#





#92

Indeno(1,2,3-cd)pyrene

Concen: 5.76 ng/ul

RT: 25.52 min Scan# 3885

Delta R.T. 0.10 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Instrument :

BNA_G

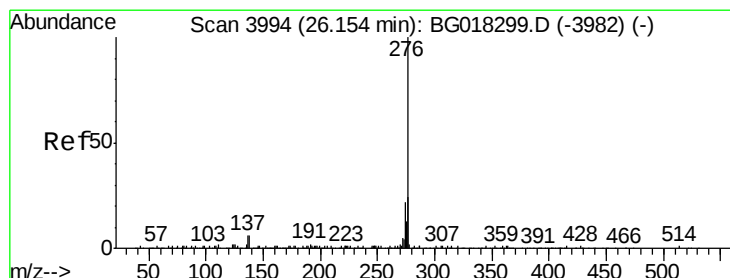
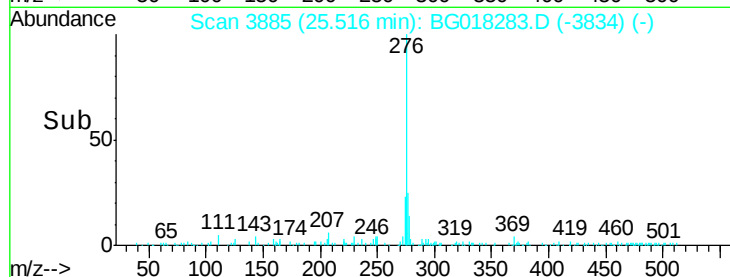
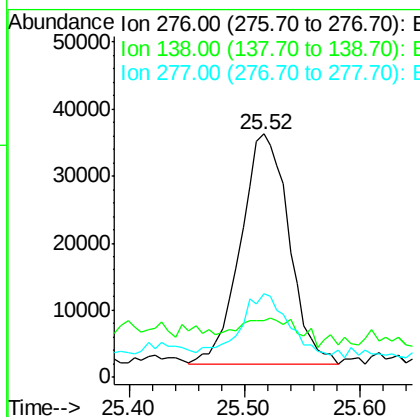
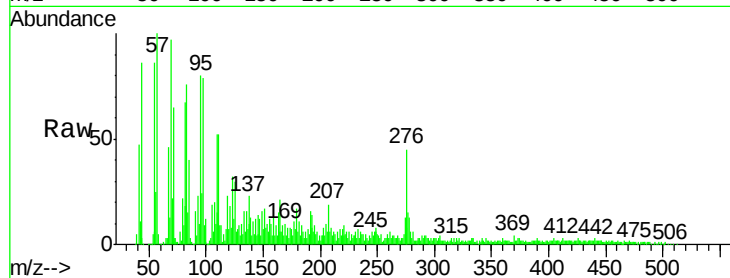
ClientSampleId :

C01P9

Tot Ion:	276	Resp:	99813
Ion Ratio	Lower	Upper	
276	100		
138	23.4	8.2	12.4#
277	34.2	20.1	30.1#

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#94

Benzo(g,h,i)perylene

Concen: 7.95 ng/ul m

RT: 26.20 min Scan# 4002

Delta R.T. 0.12 min

Lab File: BG018283.D

Acq: 5 Aug 2015 22:37

Tgt Ion:	276	Resp:	111807
Ion Ratio	Lower	Upper	
276	100		
138	19.2	6.0	9.0#
277	27.7	21.1	31.7

