

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
 Data File : BG018294.D
 Acq On : 6 Aug 2015 5:01
 Operator : UM/TP
 Sample : G3109-20RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4RE

Manual Integrations
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apatel
 8/10/2015 9:25:14 AM

Quant Time: Aug 07 13:19:55 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	7.45	152	55866	20.00	ng/ul	0.02
18) Naphthalene-d8	10.23	136	240858	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.13	164	118113	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.90	188	169290	20.00	ng/ul	0.03
78) Chrysene-d12	21.12	240	222286	20.00	ng/ul	0.03
86) Perylene-d12	23.30	264	195921	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.91	96	2176	3.36	ng/uL	0.00
5) Phenol-d5	6.66	99	91410	20.80	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.79	67	47234	22.25	ng/ul	0.01
9) 2-Chlorophenol-d4	6.98	132	78887	21.57	ng/ul	0.01
13) 4-Methylphenol-d8	8.19	113	65028	17.53	ng/ul	0.02
19) Nitrobenzene-d5	8.60	128	44059	23.62	ng/ul	0.02
22) 2-Nitrophenol-d4	9.32	143	50622	23.46	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.88	165	83314	21.01	ng/ul	0.02
29) 4-Chloroaniline-d4	10.38	131	25720	5.42	ng/ul	0.02
44) Dimethylphthalate-d6	13.55	166	229227	25.09	ng/ul	0.02
47) Acenaphthylene-d8	13.82	160	216635	20.91	ng/ul	0.02
52) 4-Nitrophenol-d4	14.37	143	833	0.55	ng/ul	0.00
58) Fluorene-d10	15.14	176	148365	18.08	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.00	188	145119	19.49	ng/ul	0.03
79) Pyrene-d10	19.31	212	125099	10.06	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.17	264	154919	15.20	ng/ul	0.06

Target Compounds

					Ovalue
14) Acetophenone	8.27	105	21933	3.68	ng/ul 96
28) Naphthalene	10.28	128	48068	4.25	ng/ul# 93
34) 2-Methylnaphthalene	11.91	142	57377	6.31	ng/ul 97
35) 1-Methylnaphthalene	12.13	142	30713	3.50	ng/ul 97
41) 1,1'-Biphenyl	12.95	154	14727	1.81	ng/ul# 90
45) Dimethylphthalate	13.59	163	106978	11.74	ng/ul 98
50) Acenaphthene	14.20	153	73377	10.63	ng/ul 95
54) Dibenzofuran	14.54	168	58464	5.75	ng/ul 92
59) Fluorene	15.19	166	89845	10.07	ng/ul 92
70) Phenanthrene	16.95	178	731173	85.58	ng/ul 97
72) Anthracene	17.03	178	215780	25.31	ng/ul 96
75) Carbazole	17.31	167	64194	8.92	ng/ul# 87
76) Di-n-butylphthalate	17.87	149	39065	3.87	ng/ul# 89
77) Fluoranthene	18.99	202	995167	105.02	ng/ul# 96
80) Pyrene	19.35	202	961229	62.19	ng/ul 99
83) Benzo(a)anthracene	21.11	228	631606	53.83	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.04	149	353377	48.98	ng/ul# 96
85) Chrysene	21.16	228	591636	56.12	ng/ul 96
88) Benzo(b)fluoranthene	22.66	252	855427	71.19	ng/ul# 94
89) Benzo(k)fluoranthene	22.69	252	236717m	20.54	ng/ul
91) Benzo(a)pyrene	23.22	252	496733	47.35	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	25.52	276	200517	15.45	ng/ul 92

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Instrument :
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Manual Integrations
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Quant Time: Aug 07 13:19:55 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

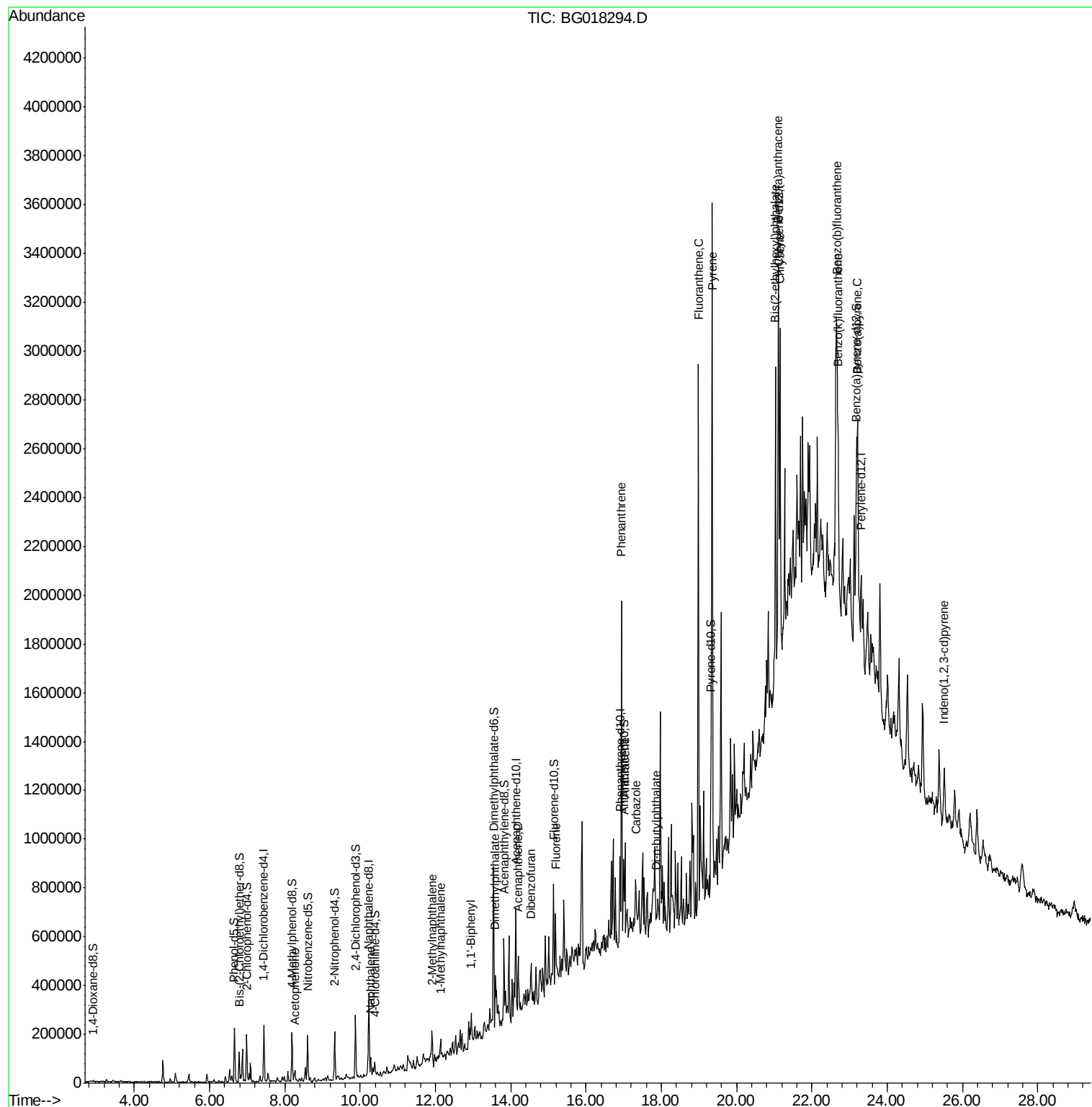
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018294.D
Acq On : 6 Aug 2015 5:01
Operator : UM/TP
Sample : G3109-20RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

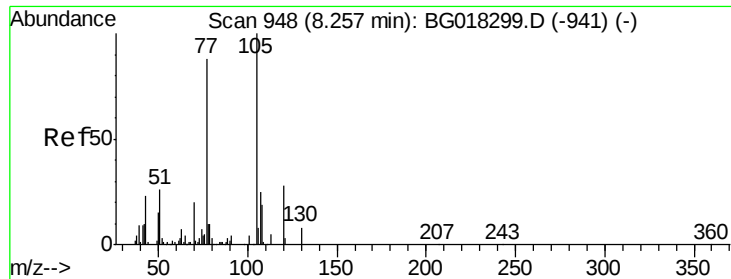
Instrument :
BNA_G
ClientSampled :
C02F4RE

Manual Integrations
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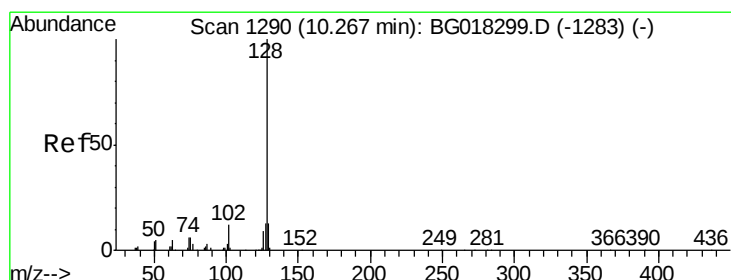
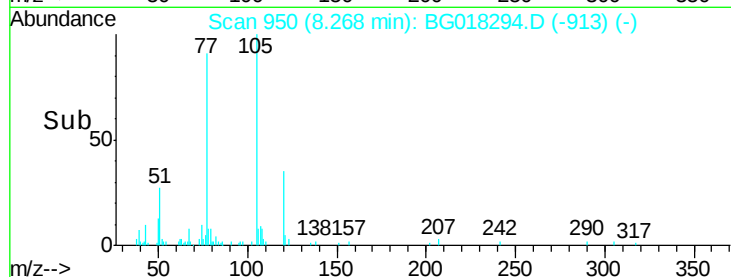
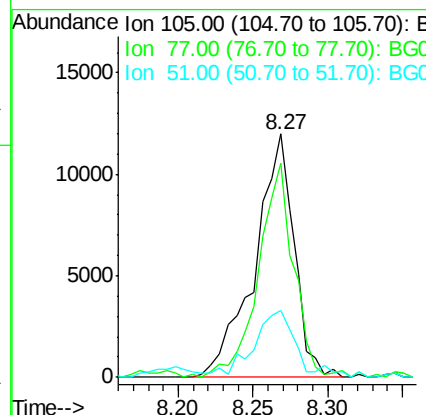
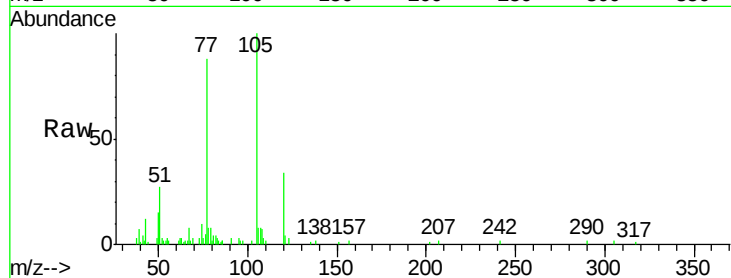
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Acetophenone
Concen: 3.68 ng/ul
RT: 8.27 min Scan# 950
Delta R.T. 0.02 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Resp	Lower	Upper
105	100	21933		
77	88.0	67.5	101.3	
51	27.5	23.6	35.4	

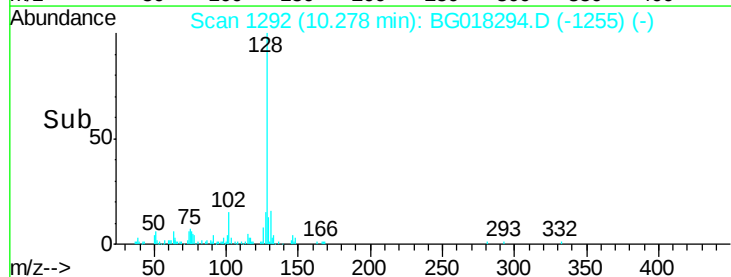
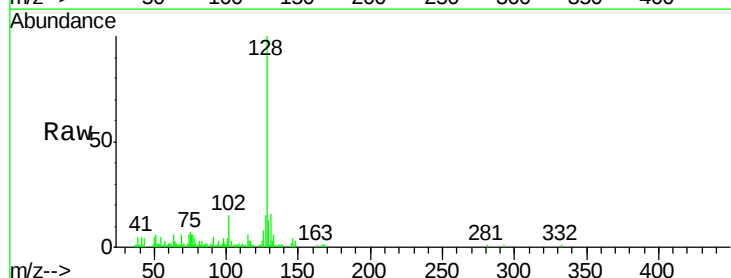
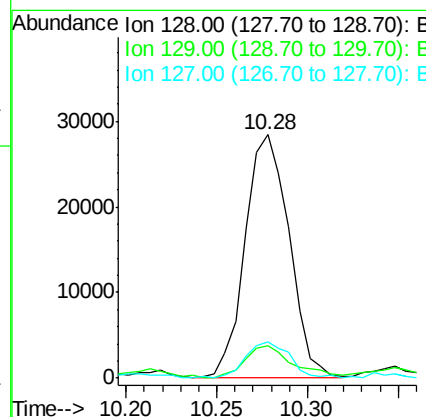
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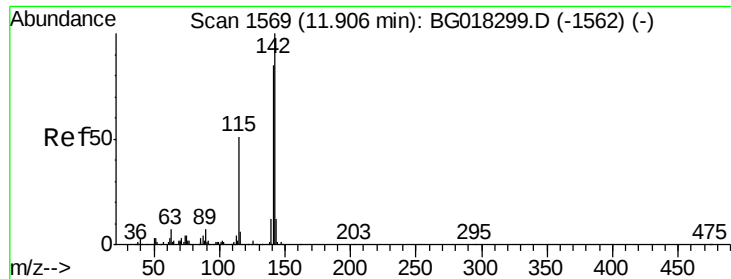
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#28
Naphthalene
Concen: 4.25 ng/ul
RT: 10.28 min Scan# 1292
Delta R.T. 0.02 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	48068		
129	13.4	7.8	11.6#	
127	14.8	10.2	15.4	





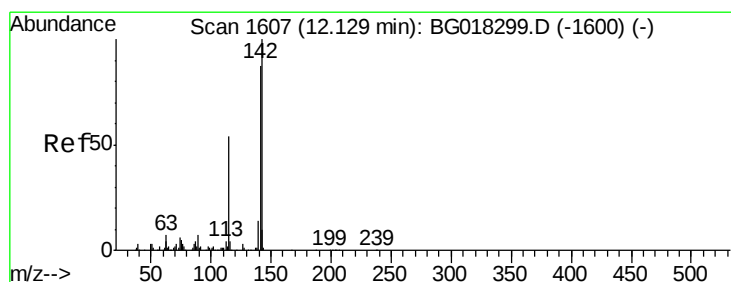
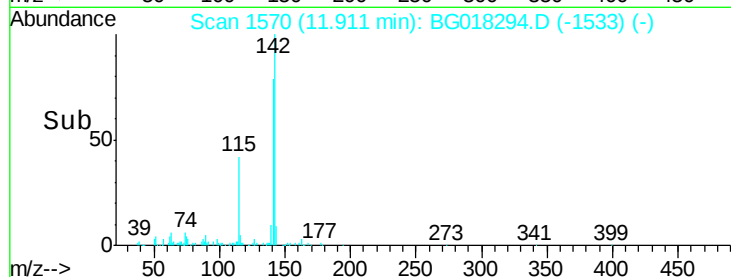
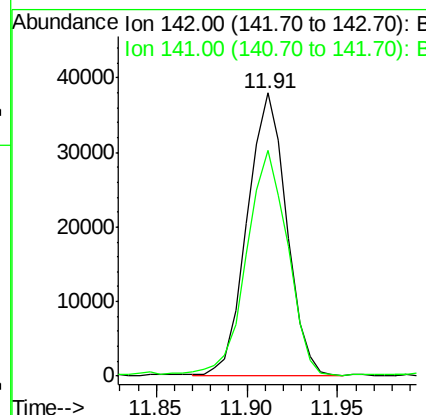
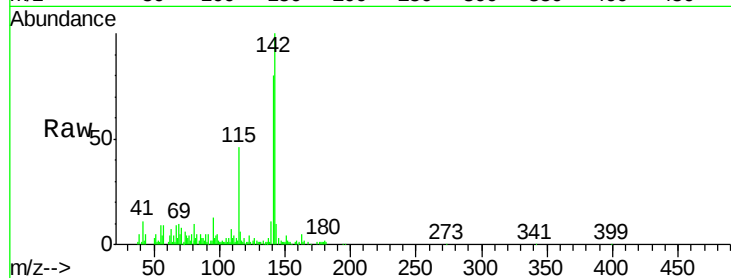
#34
2-Methylnaphthalene
Concen: 6.31 ng/ul
RT: 11.91 min Scan# 1570
Delta R.T. 0.02 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Resp	Lower	Upper
142	100	57377		
141	79.9	65.9	98.9	

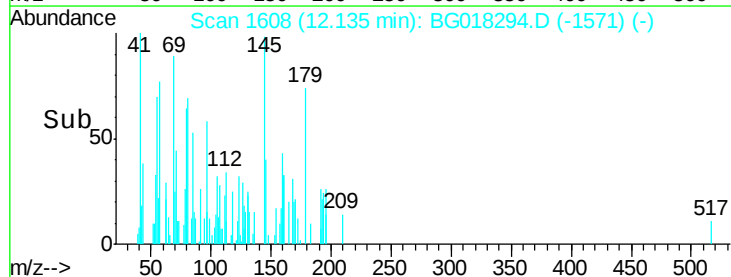
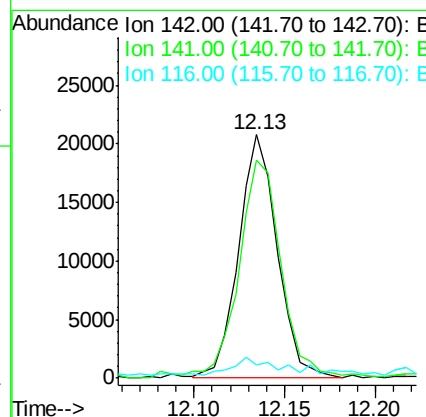
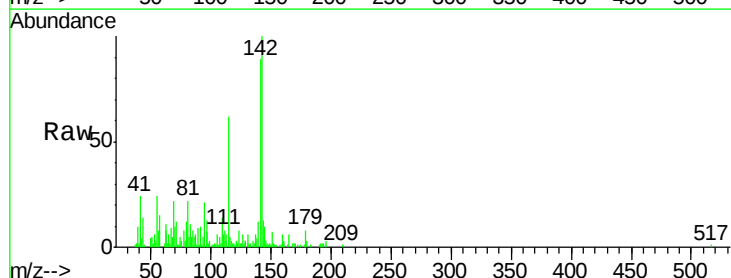
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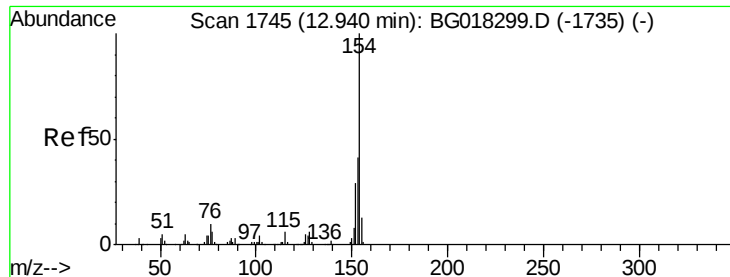
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#35
1-Methylnaphthalene
Concen: 3.50 ng/ul
RT: 12.13 min Scan# 1608
Delta R.T. 0.02 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	30713		
141	89.3	69.0	103.4	
116	5.3	4.2	6.4	





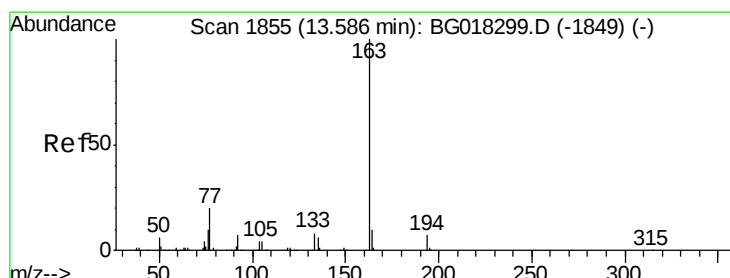
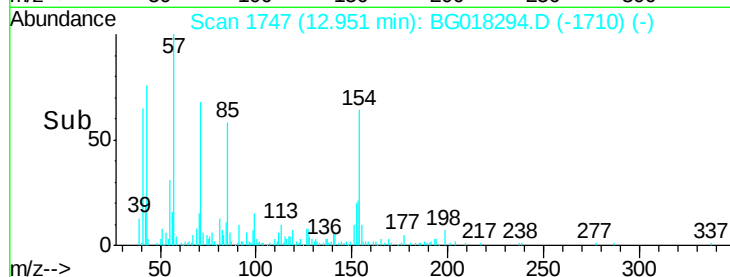
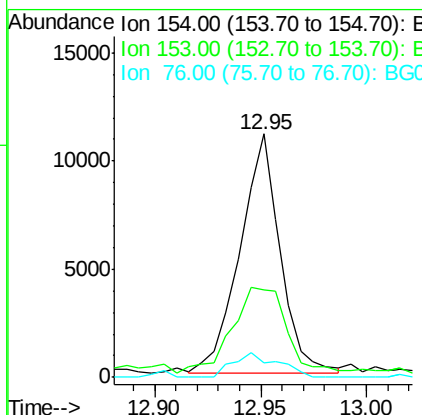
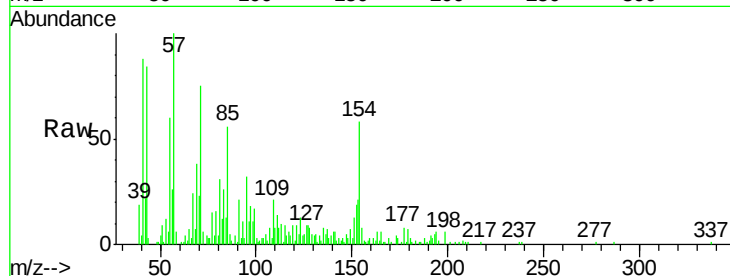
#41
 1,1'-Biphenyl
 Concen: 1.81 ng/ul
 RT: 12.95 min Scan# 1747
 Delta R.T. 0.02 min
 Lab File: BG018294.D
 Acq: 6 Aug 2015 5:01

Instrument :
 BNA_G
 ClientSampleId :
 C02F4RE

Tot Ion	Ratio	Lower	Upper
154	100		
153	35.7	33.4	50.0
76	6.1	8.6	12.8

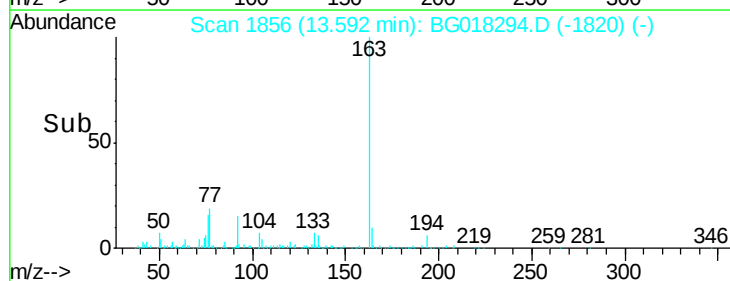
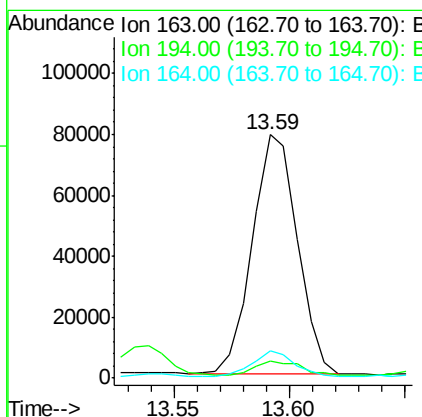
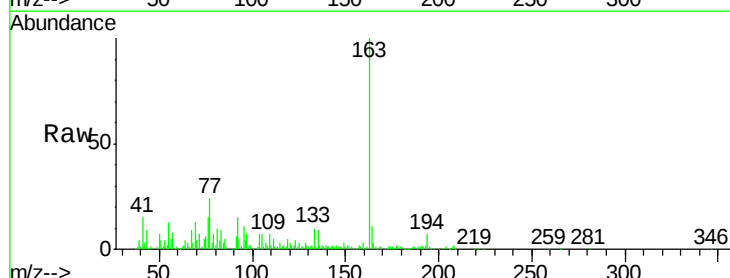
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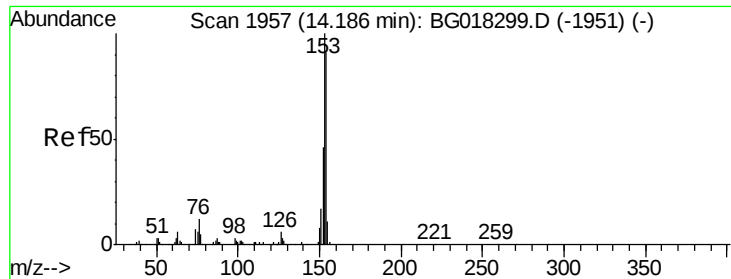
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#45
 Dimethylphthalate
 Concen: 11.74 ng/ul
 RT: 13.59 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BG018294.D
 Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.2	5.4	8.2
164	11.0	7.8	11.8





#50

Acenaphthene

Concen: 10.63 ng/ul

RT: 14.20 min Scan# 1959

Delta R.T. 0.02 min

Lab File: BG018294.D

Acq: 6 Aug 2015 5:01

Instrument :

BNA_G

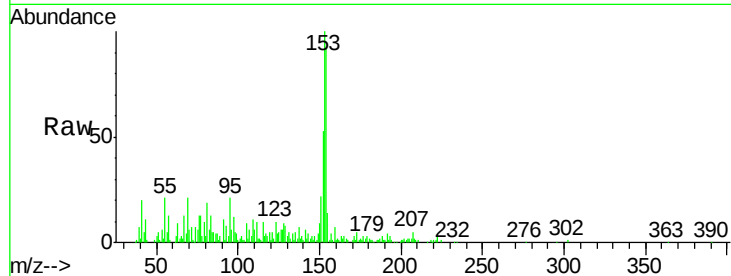
ClientSampleId :

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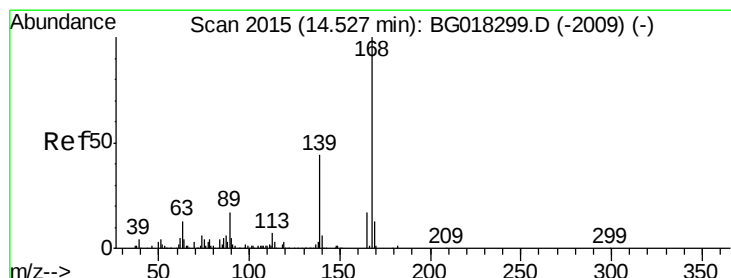
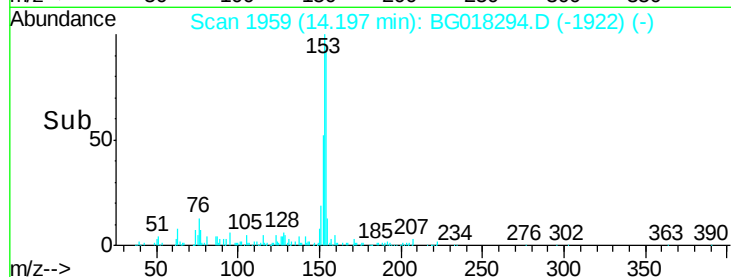
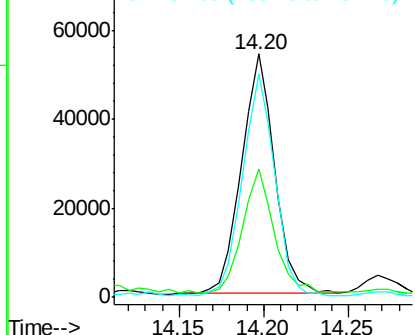
Tot Ion:	153	Resp:	73377
Ion Ratio	Lower	Upper	
153	100		
152	52.8	39.0	58.4
154	91.7	77.4	116.2

Manual Integrations
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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: 5.75 ng/ul

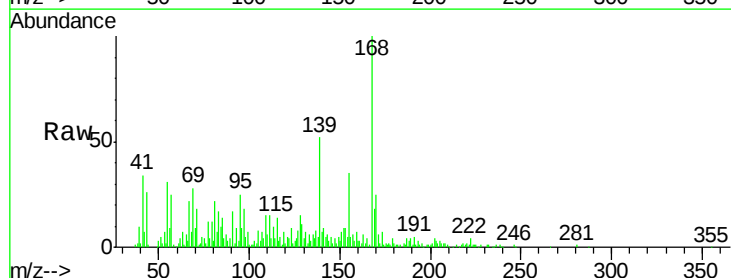
RT: 14.54 min Scan# 2017

Delta R.T. 0.02 min

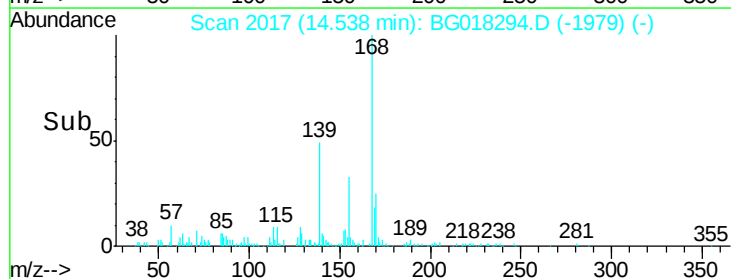
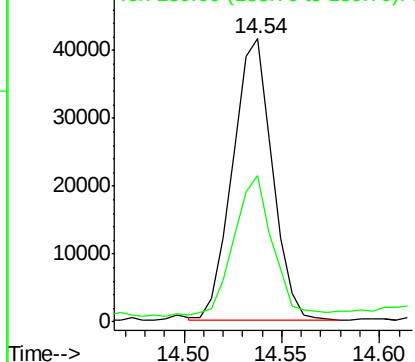
Lab File: BG018294.D

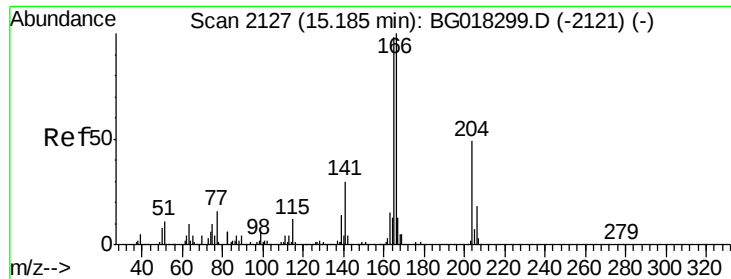
Acq: 6 Aug 2015 5:01

Tgt Ion:	168	Resp:	58464
Ion Ratio	Lower	Upper	
168	100		
139	51.7	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: 10.07 ng/ul

RT: 15.19 min Scan# 2128

Delta R.T. 0.02 min

Lab File: BG018294.D

Acq: 6 Aug 2015 5:01

Instrument :

BNA_G

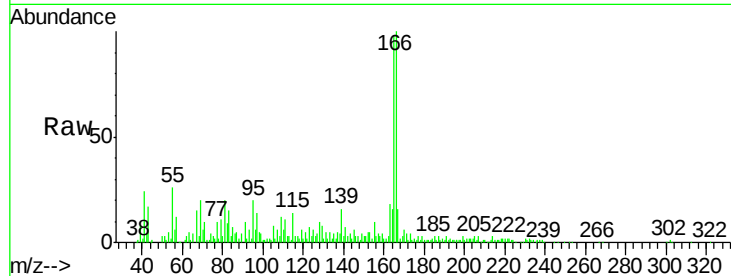
ClientSampleId :

C02F4RE

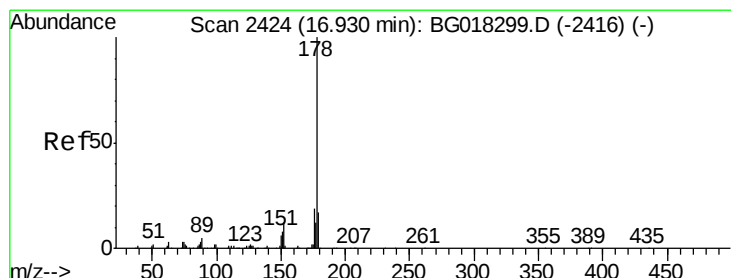
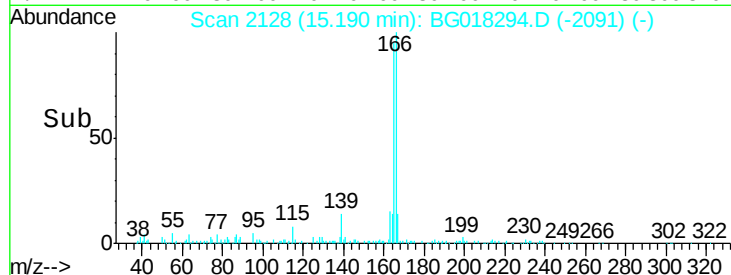
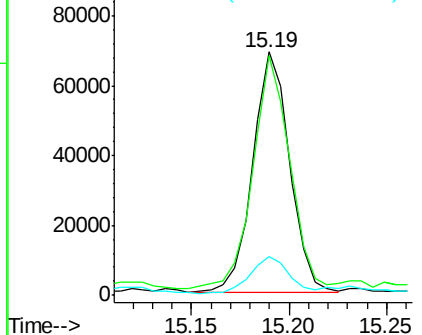
Tot Ion:	166	Resp:	89845
Ion Ratio	Lower	Upper	
166	100		
165	98.5	72.4	108.6
167	15.8	11.4	17.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 85.58 ng/ul

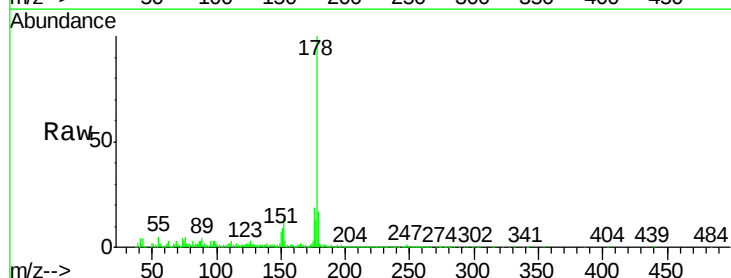
RT: 16.95 min Scan# 2427

Delta R.T. 0.03 min

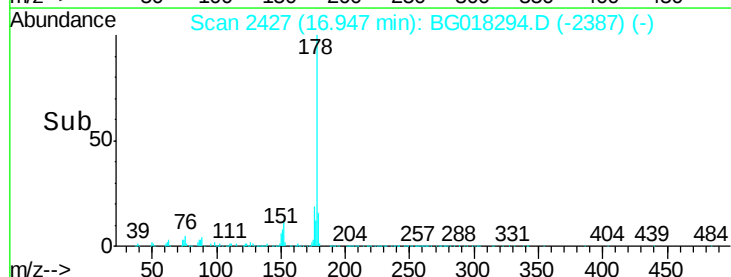
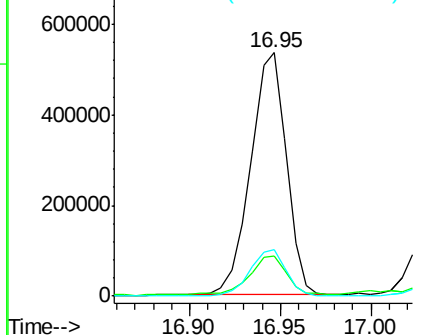
Lab File: BG018294.D

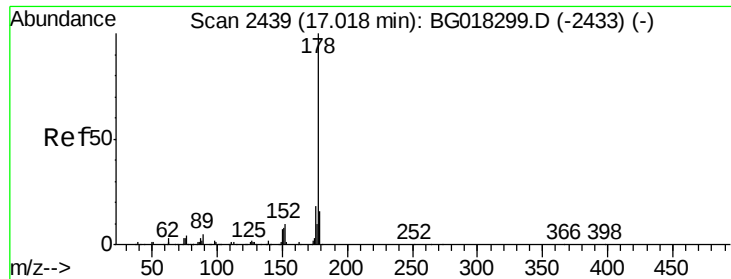
Acq: 6 Aug 2015 5:01

Tgt Ion:	178	Resp:	731173
Ion Ratio	Lower	Upper	
178	100		
179	16.6	12.2	18.4
176	19.3	14.5	21.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 25.31 ng/ul

RT: 17.03 min Scan# 2442

Delta R.T. 0.03 min

Lab File: BG018294.D

Acq: 6 Aug 2015 5:01

Instrument :

BNA_G

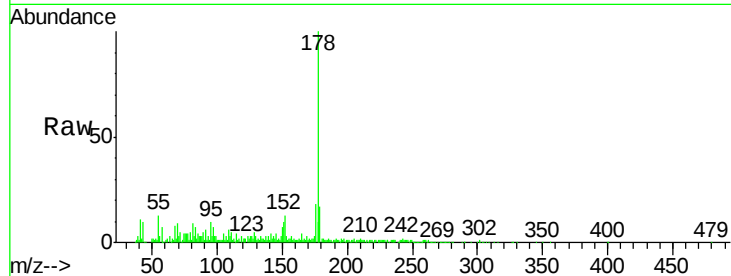
ClientSampleId :

C02F4RE

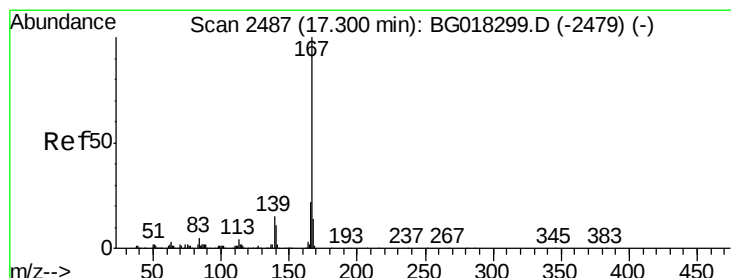
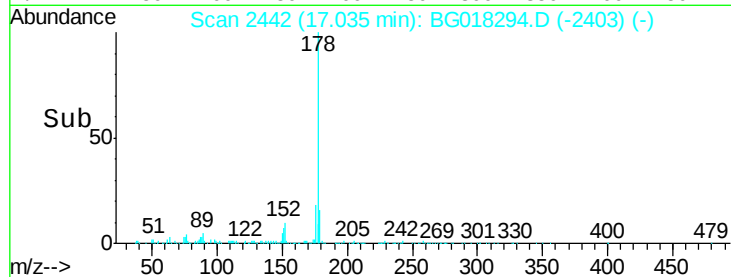
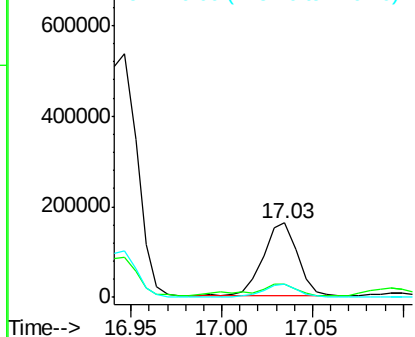
Tot Ion:	178	Resp:	215780
Ion Ratio	Lower	Upper	
178	100		
179	17.4	12.2	18.4
176	18.0	15.3	22.9

Manual Integrations
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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



#75

Carbazole

Concen: 8.92 ng/ul

RT: 17.31 min Scan# 2489

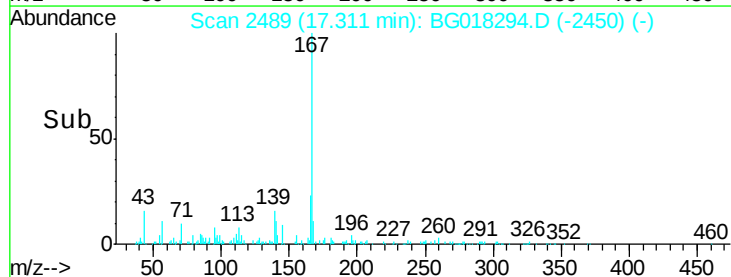
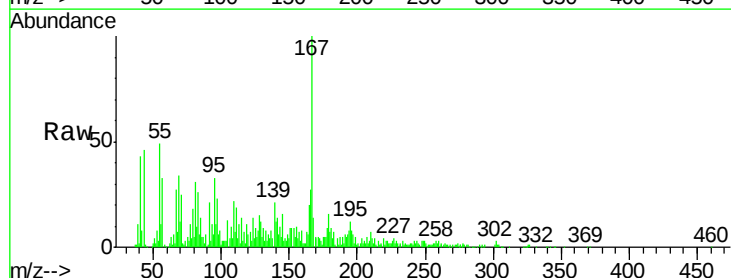
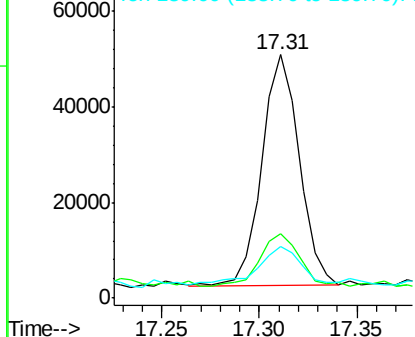
Delta R.T. 0.03 min

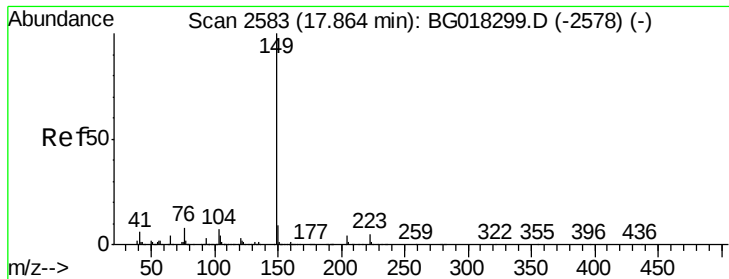
Lab File: BG018294.D

Acq: 6 Aug 2015 5:01

Tgt Ion:	167	Resp:	64194
Ion Ratio	Lower	Upper	
167	100		
166	26.7	17.8	26.8
139	21.0	10.6	16.0#

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





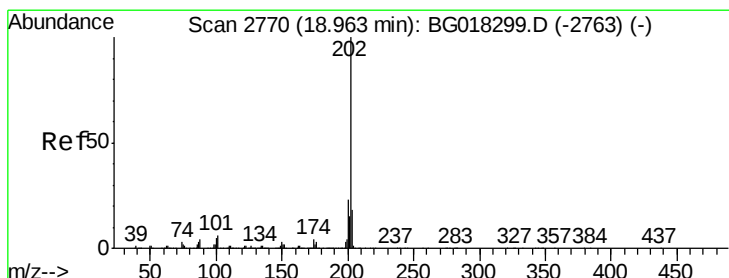
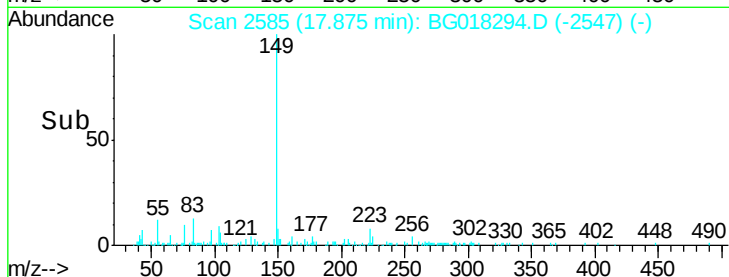
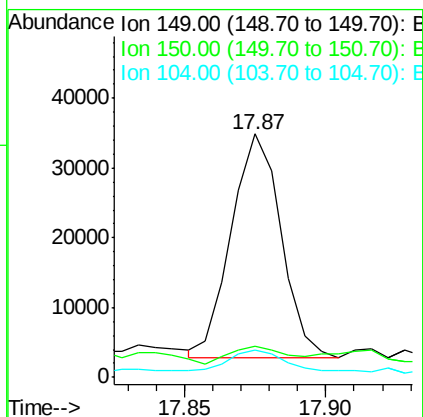
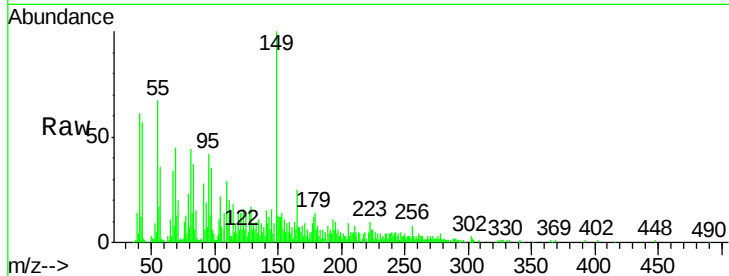
#76
Di-n-butylphthalate
Concen: 3.87 ng/ul
RT: 17.87 min Scan# 2585
Delta R.T. 0.02 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	12.7	7.4	11.2#
104	11.4	5.5	8.3#

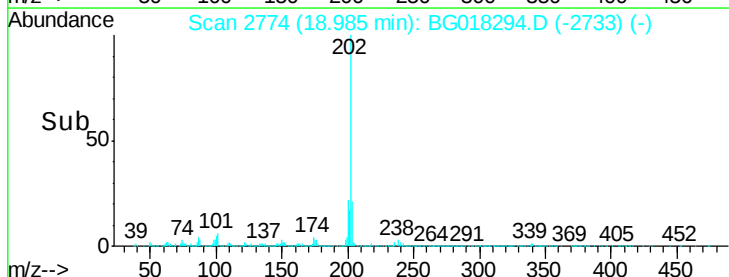
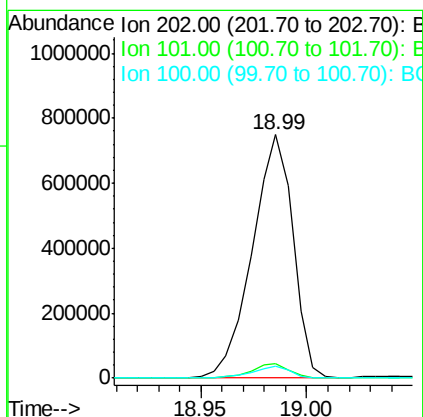
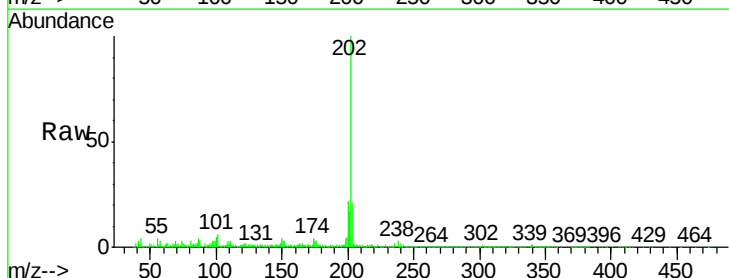
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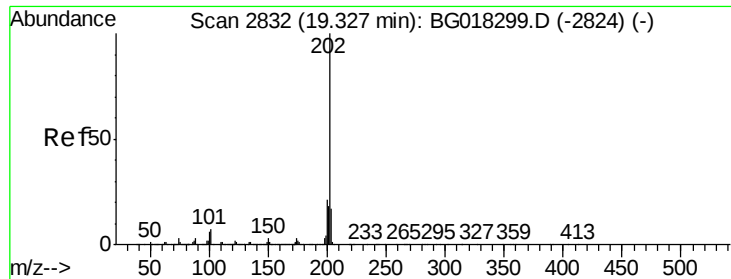
apatel
8/10/2015 9:25:14 AM



#77
Fluoranthene
Concen: 105.02 ng/ul
RT: 18.99 min Scan# 2774
Delta R.T. 0.04 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	5.9	6.2	9.2#
100	4.8	4.6	6.8





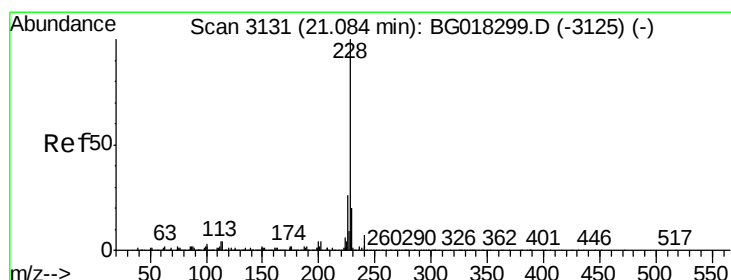
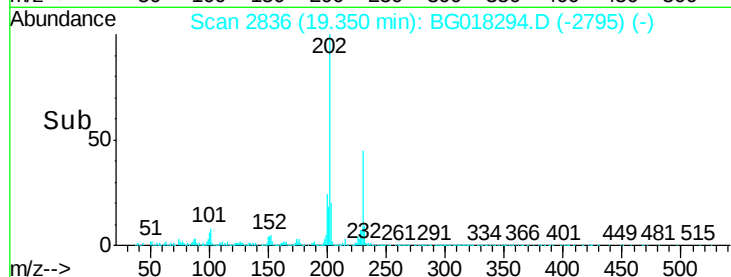
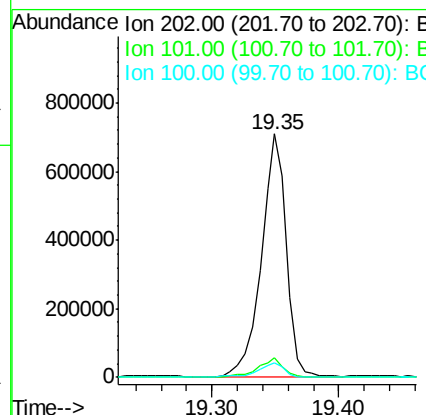
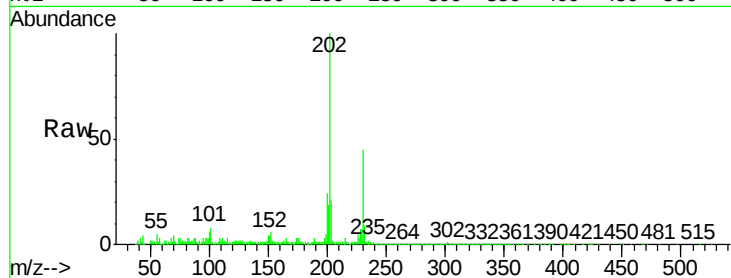
#80
Pvrene
Concen: 62.19 ng/ul
RT: 19.35 min Scan# 2836
Delta R.T. 0.04 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.0	6.2	9.2
100	5.7	4.6	7.0

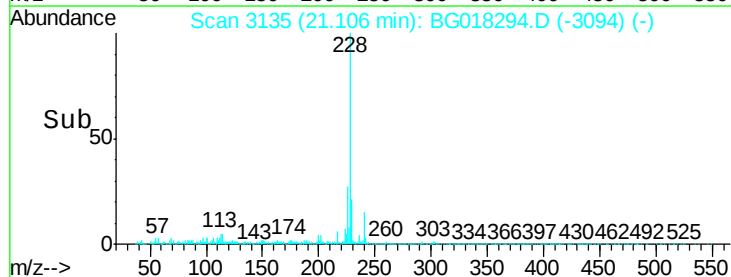
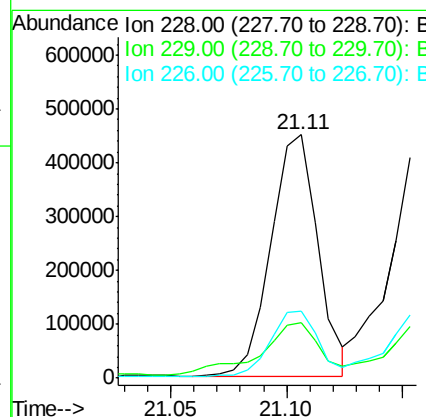
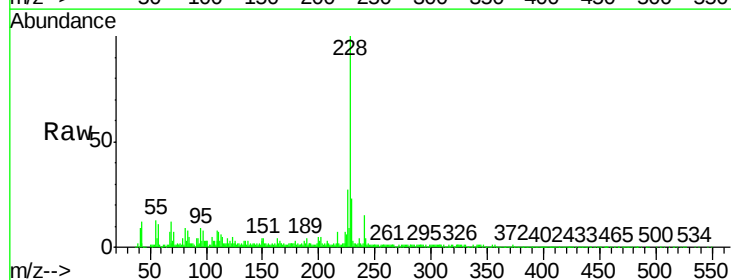
Manual Integrations
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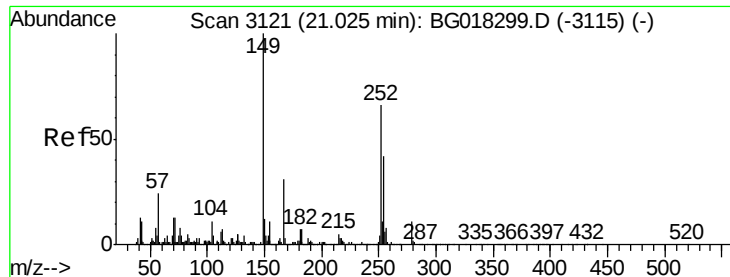
apatel
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#83
Benzo(a)anthracene
Concen: 53.83 ng/ul
RT: 21.11 min Scan# 3135
Delta R.T. 0.04 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.8	16.3	24.5
226	27.3	21.2	31.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 48.98 ng/ul

RT: 21.04 min Scan# 3123

Delta R.T. 0.03 min

Lab File: BG018294.D

Acq: 6 Aug 2015 5:01

Instrument :

BNA_G

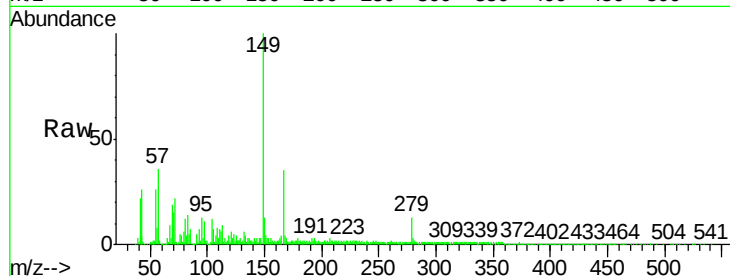
ClientSampleId :

C02F4RE

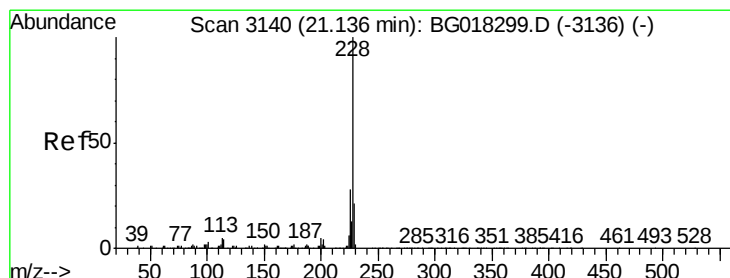
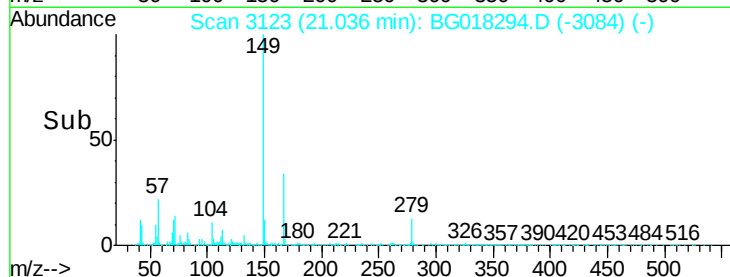
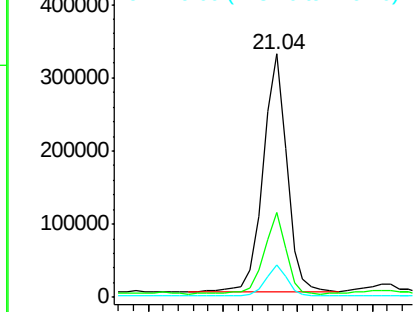
Tot Ion:	149	Resp:	353377
Ion Ratio	Lower	Upper	
149	100		
167	35.1	26.4	39.6
279	13.1	8.6	12.8

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



#85

Chrysene

Concen: 56.12 ng/ul

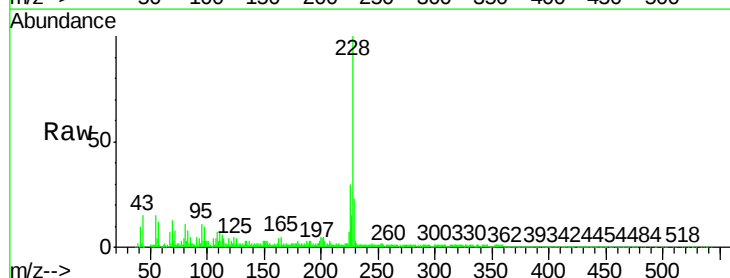
RT: 21.16 min Scan# 3144

Delta R.T. 0.04 min

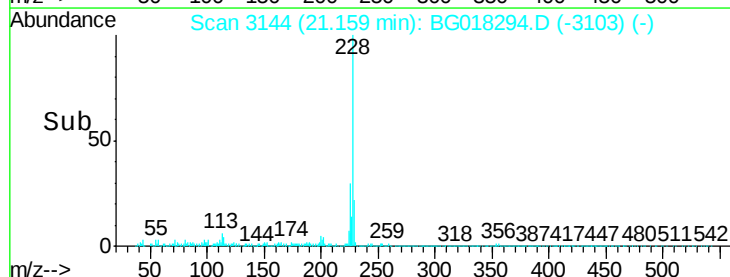
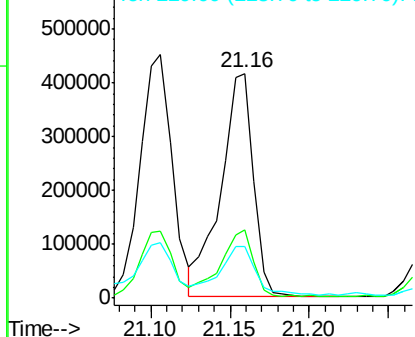
Lab File: BG018294.D

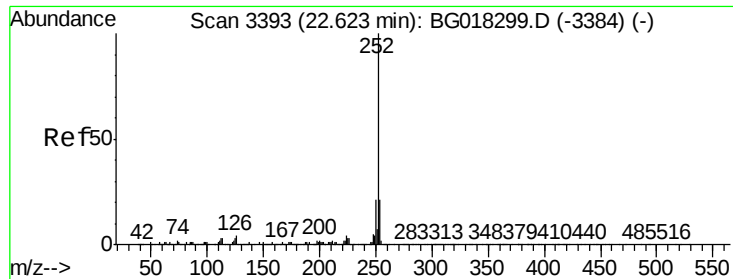
Acq: 6 Aug 2015 5:01

Tgt Ion:	228	Resp:	591636
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.0	34.6
229	23.2	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





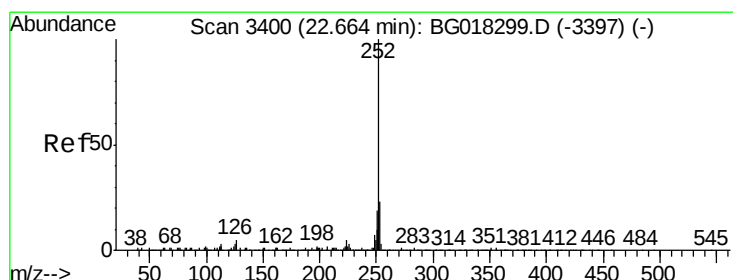
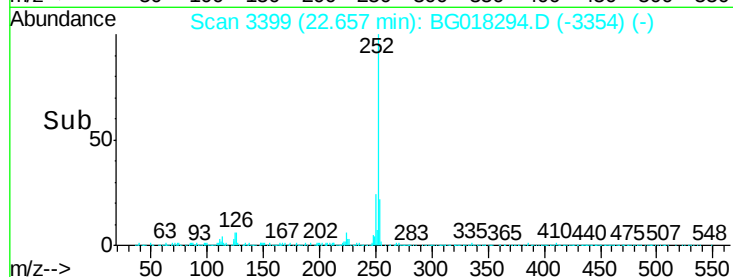
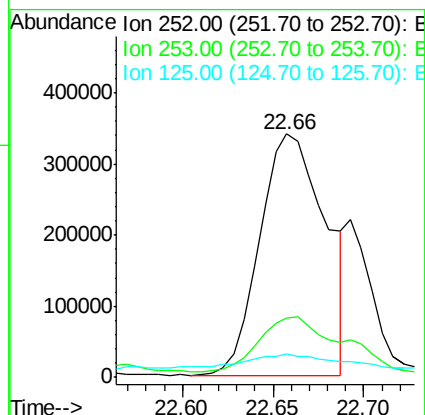
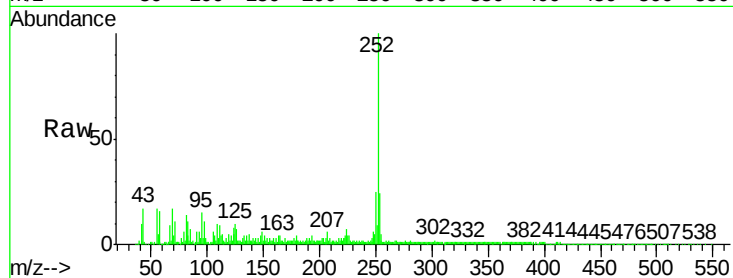
#88
Benzo(b)fluoranthene
Concen: 71.19 ng/ul
RT: 22.66 min Scan# 3399
Delta R.T. 0.06 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	9.7	3.1	4.7

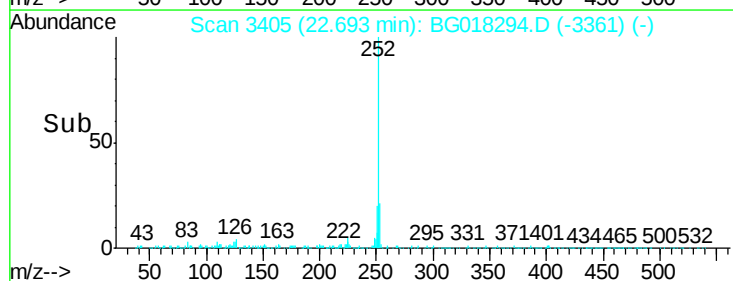
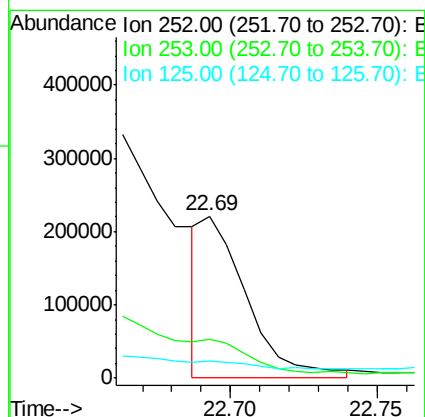
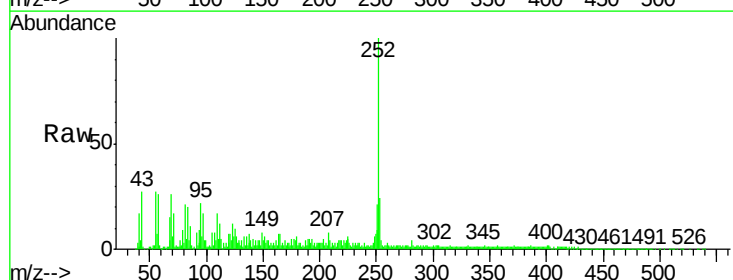
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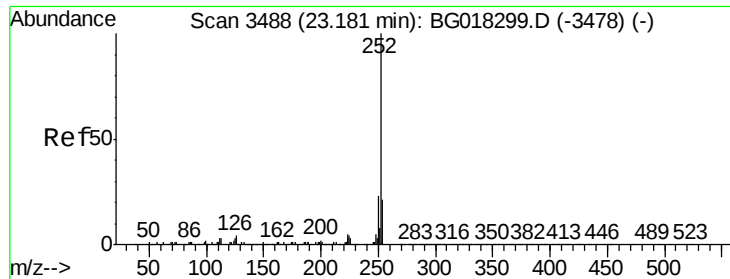
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#89
Benzo(k)fluoranthene
Concen: 20.54 ng/ul m
RT: 22.69 min Scan# 3405
Delta R.T. 0.06 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.4	24.6
125	10.2	3.4	5.2





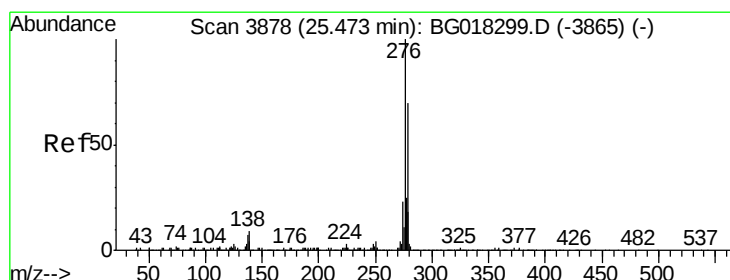
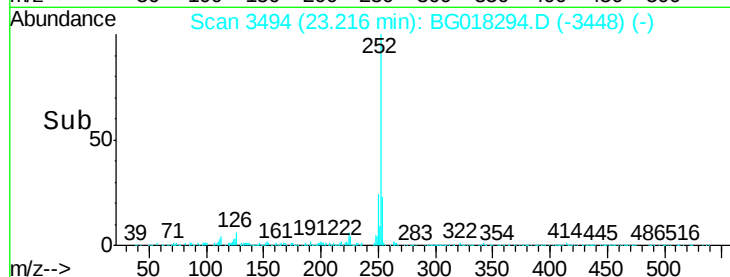
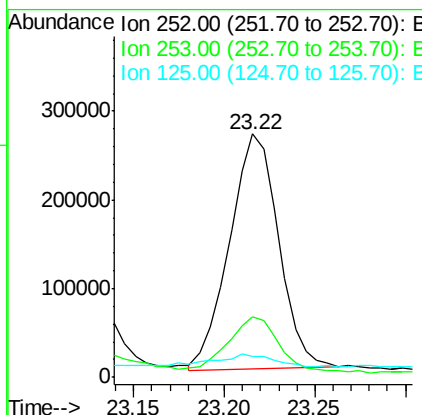
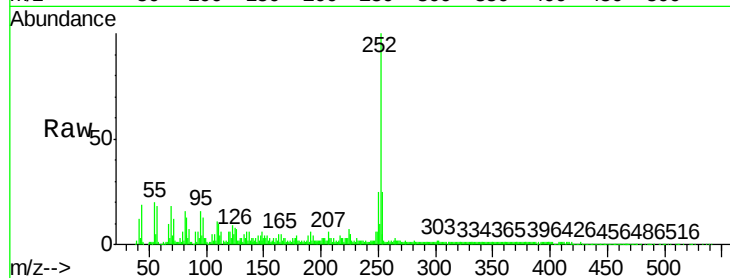
#91
Benzo(a)pyrene
Concen: 47.35 ng/ul
RT: 23.22 min Scan# 3494
Delta R.T. 0.07 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Instrument :
BNA_G
ClientSampleId :
C02F4RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.9	28.3
125	8.3	3.2	4.8

Manual Integrations
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#92
Indeno(1,2,3-cd)pyrene
Concen: 15.45 ng/ul
RT: 25.52 min Scan# 3886
Delta R.T. 0.10 min
Lab File: BG018294.D
Acq: 6 Aug 2015 5:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.2	12.4
277	29.9	20.1	30.1

