

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020329.D
 Acq On : 20 Dec 2015 2:16
 Operator : UM/SJ
 Sample : G4866-11
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M3

Manual Integrations
 APPROVED

apatel
 12/22/2015 2:14:30 PM

Quant Time: Dec 20 06:32:23 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 20 05:53:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	23754	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	103720	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	69061	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	160137	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	198790	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	192690	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1975	4.59	ng/uL	0.00
5) Phenol-d5	7.24	99	51799	24.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	31027	24.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	41356	27.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	41863	23.37	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22206	27.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	26103	29.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	48433	26.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	41146	20.10	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	158764	28.42	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	182704	28.11	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	21663	21.62	ng/ul	0.00
58) Fluorene-d10	15.71	176	142284	28.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	23295	24.54	ng/ul	0.00
71) Anthracene-d10	17.57	188	208519	28.26	ng/ul	0.00
79) Pyrene-d10	19.85	212	240813	25.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	268042	27.89	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	5657	1.04	ng/ul	97
45) Dimethylphthalate	14.17	163	47917	8.40	ng/ul	99
48) Acenaphthylene	14.45	152	14631m	2.12	ng/ul	
50) Acenaphthene	14.78	153	9462	2.04	ng/ul	98
54) Dibenzofuran	15.11	168	10725	1.55	ng/ul	96
59) Fluorene	15.77	166	21133	3.81	ng/ul	97
70) Phenanthrene	17.51	178	486968	55.59	ng/ul	99
72) Anthracene	17.60	178	110722	12.46	ng/ul	99
75) Carbazole	17.86	167	44377	5.94	ng/ul	99
77) Fluoranthene	19.52	202	1193750	116.61	ng/ul	99
80) Pyrene	19.88	202	922718	76.69	ng/ul	98
83) Benzo(a)anthracene	21.72	228	575208	49.59	ng/ul	97
85) Chrysene	21.80	228	567870	51.98	ng/ul	96
88) Benzo(b)fluoranthene	23.99	252	841395	72.55	ng/ul	96
89) Benzo(k)fluoranthene	24.05	252	264423m	23.76	ng/ul	
91) Benzo(a)pyrene	24.87	252	553167	50.32	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.77	276	461152	35.22	ng/ul	94
93) Dibenzo(a,h)anthracene	28.80	278	102838	9.46	ng/ul#	94
94) Benzo(g,h,i)perylene	29.94	276	395790	36.88	ng/ul	99

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

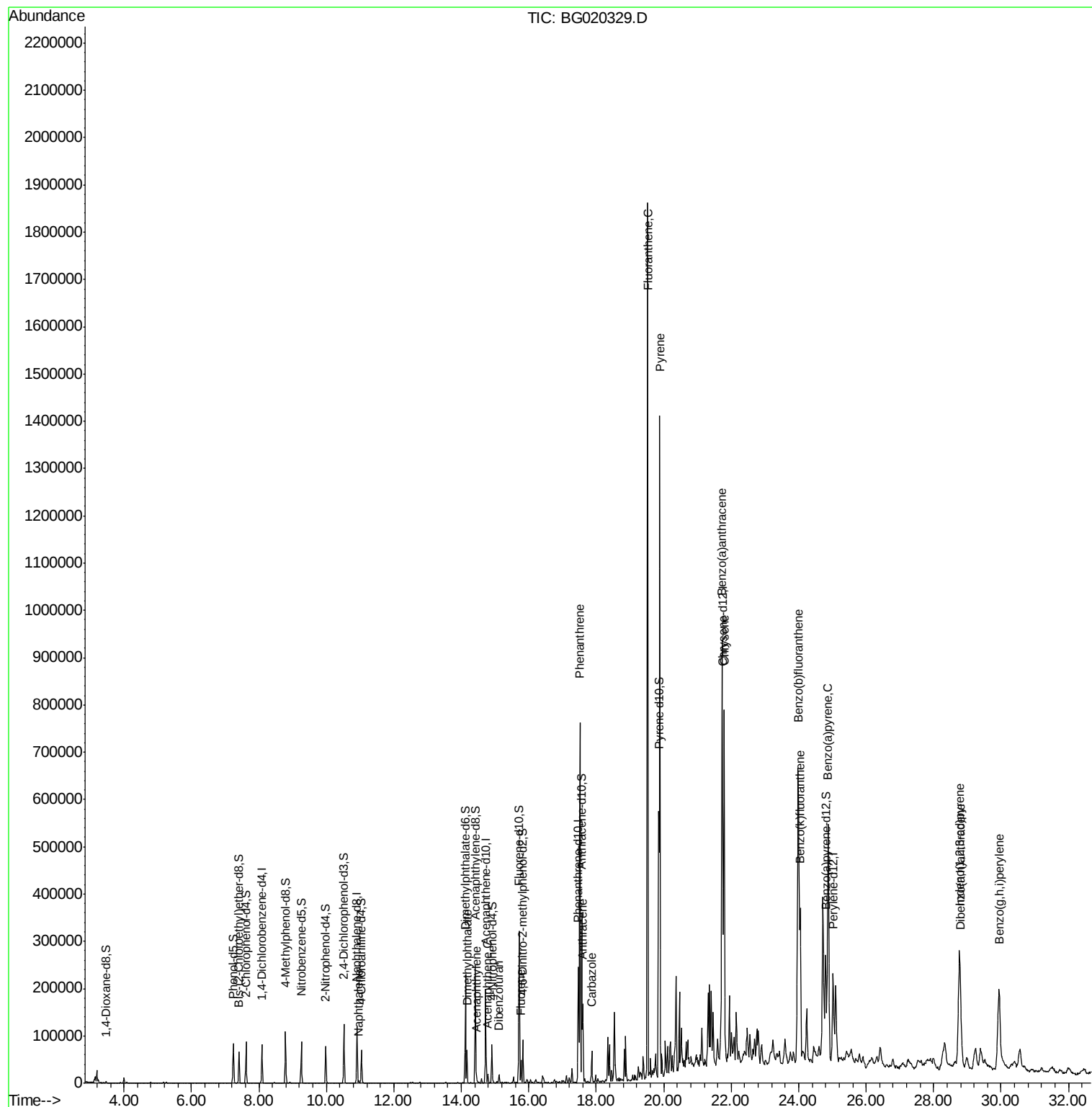
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020329.D
Acq On : 20 Dec 2015 2:16
Operator : UM/SJ
Sample : G4866-11
Misc :
ALS Vial : 59 Sample Multiplier: 1

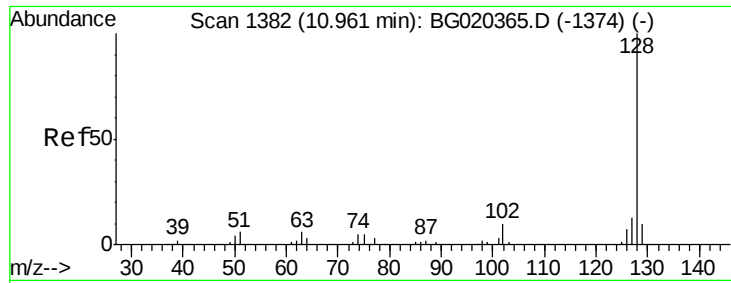
Instrument :
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ClientSampleId :
E43M3

Manual Integrations
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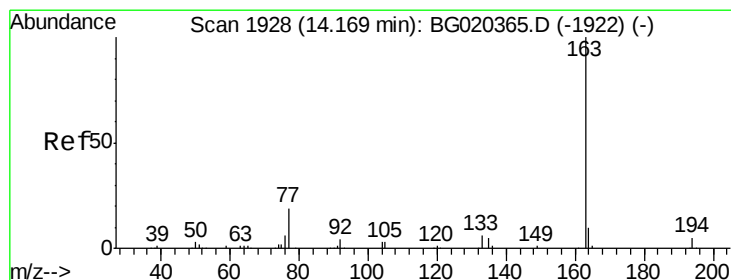
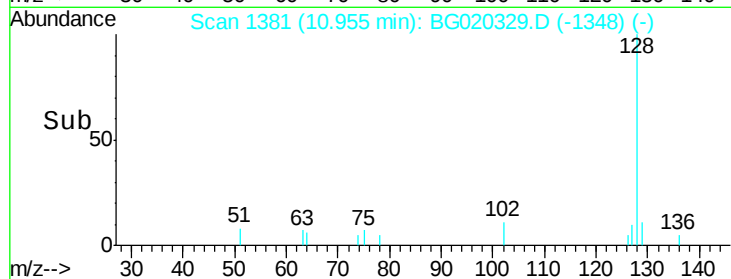
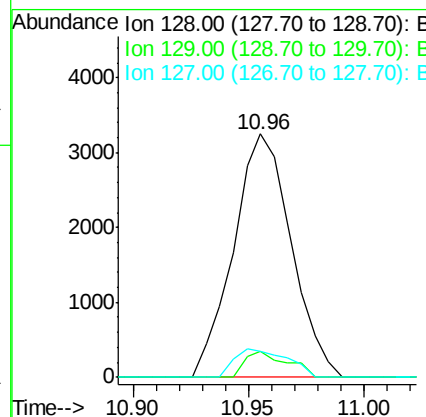
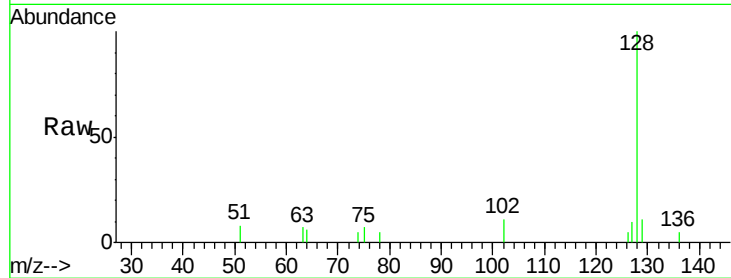
#28
Naphthalene
Concen: 1.04 ng/ul
RT: 10.96 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Instrument :
BNA_G
ClientSampleId :
E43M3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	10.5	10.1	15.1

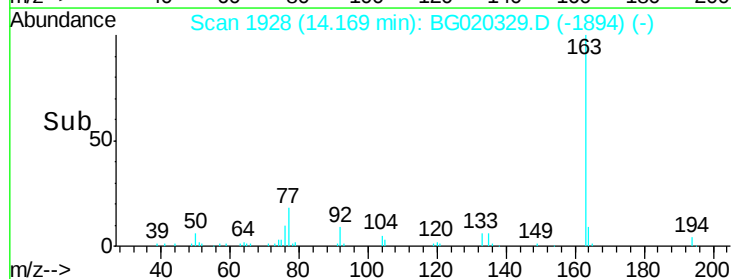
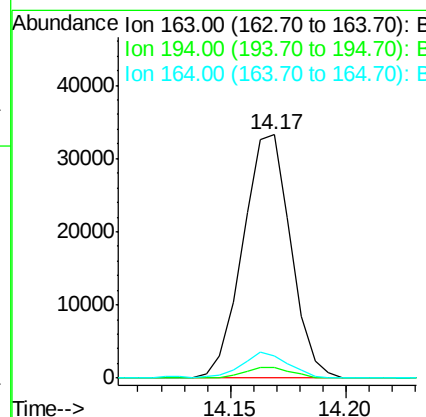
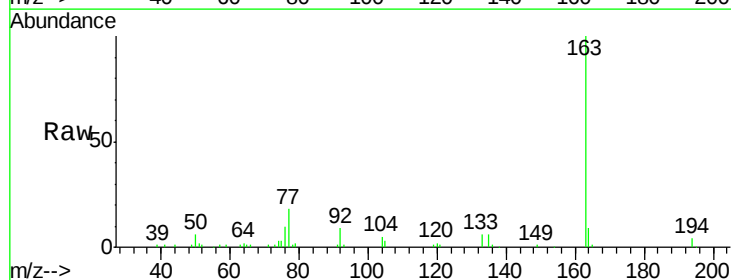
Manual Integrations
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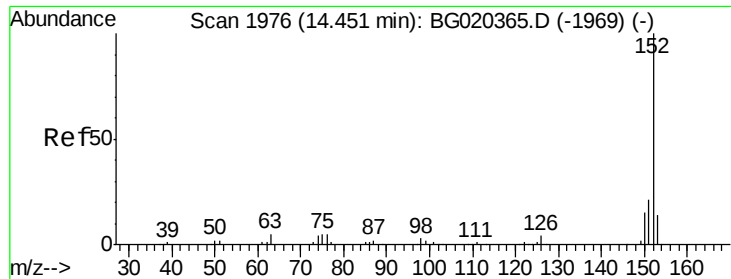
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#45
Dimethylphthalate
Concen: 8.40 ng/ul
RT: 14.17 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.0	7.7	11.5





#48

Acenaphthylene

Concen: 2.12 ng/ul m

RT: 14.45 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Instrument :

BNA_G

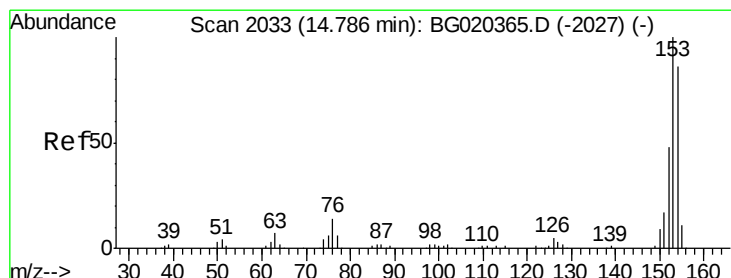
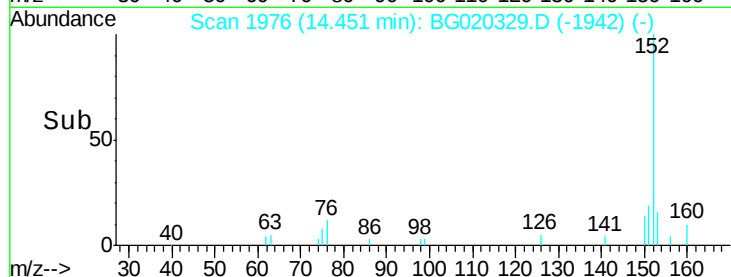
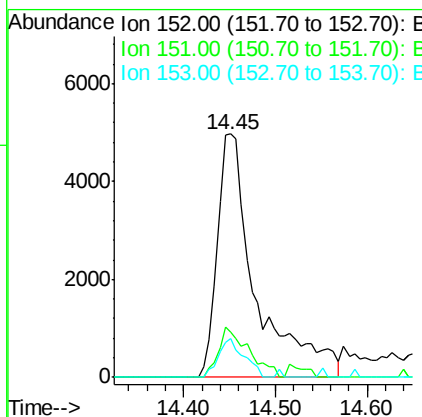
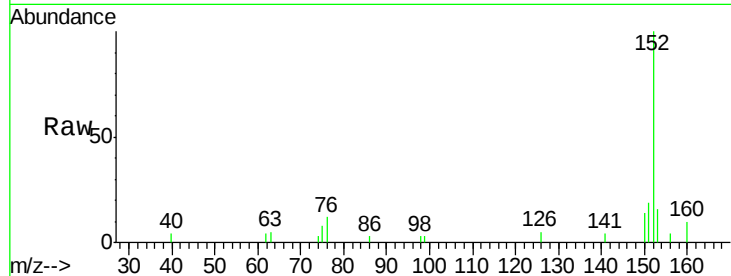
ClientSampleId :

E43M3

Tot Ion:	152	Resp:	14631
Ion Ratio	Lower	Upper	
152	100		
151	18.8	16.4	24.6
153	15.8	10.4	15.6

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#50

Acenaphthene

Concen: 2.04 ng/ul

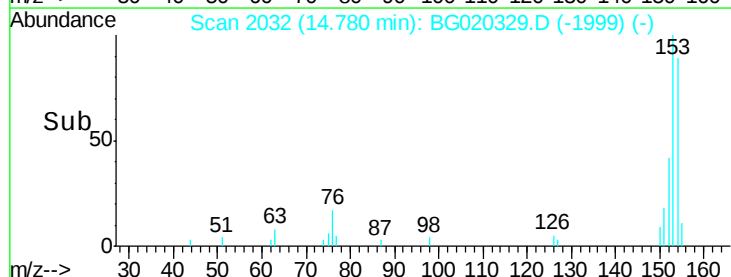
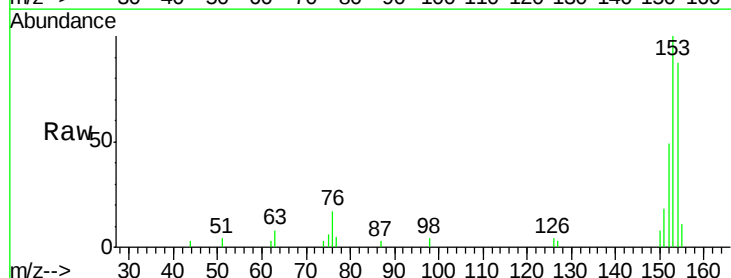
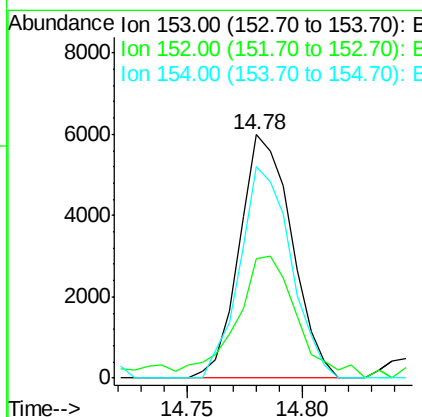
RT: 14.78 min Scan# 2032

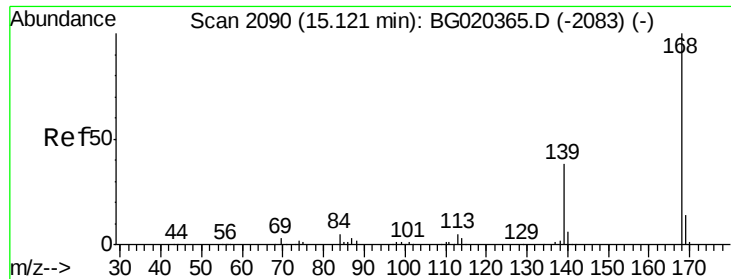
Delta R.T. -0.00 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Tgt Ion:	153	Resp:	9462
Ion Ratio	Lower	Upper	
153	100		
152	48.9	37.6	56.4
154	86.7	67.9	101.9





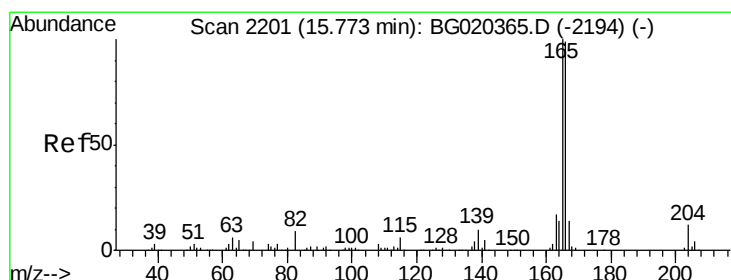
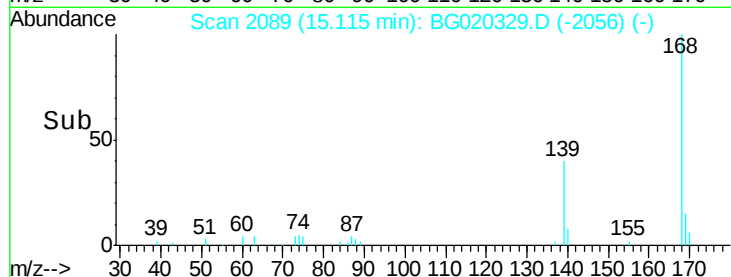
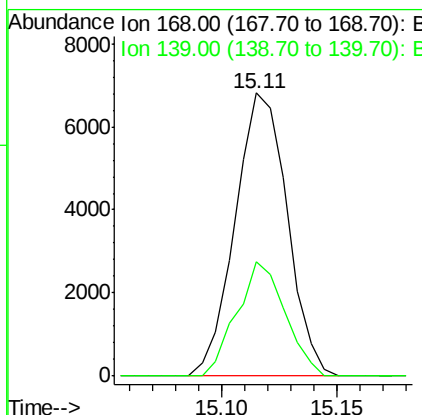
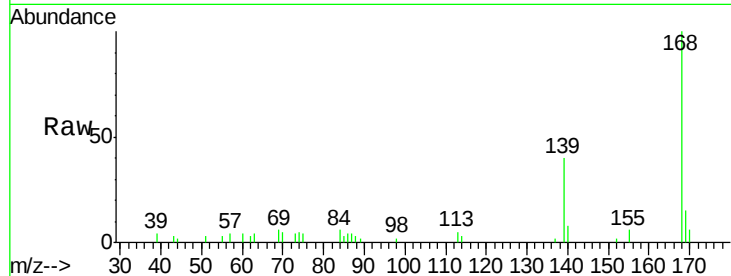
#54
Dibenzenofuran
Concen: 1.55 ng/ul
RT: 15.11 min Scan# 2089
Delta R.T. -0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Instrument :
BNA_G
ClientSampleId :
E43M3

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.3	30.5	45.7

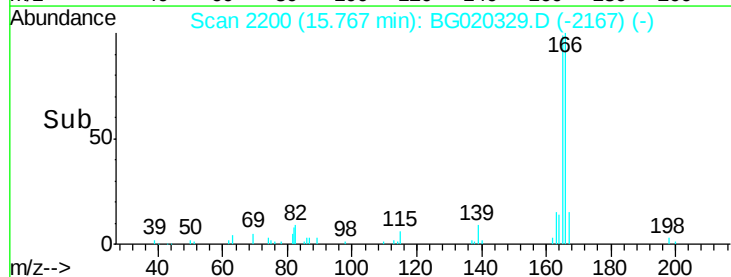
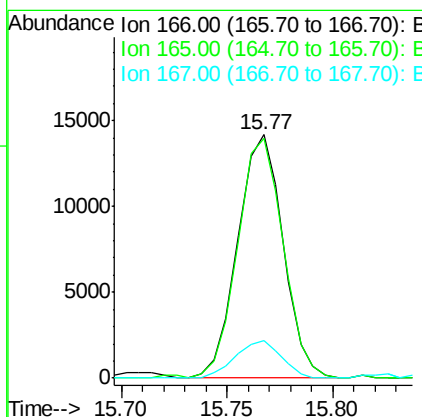
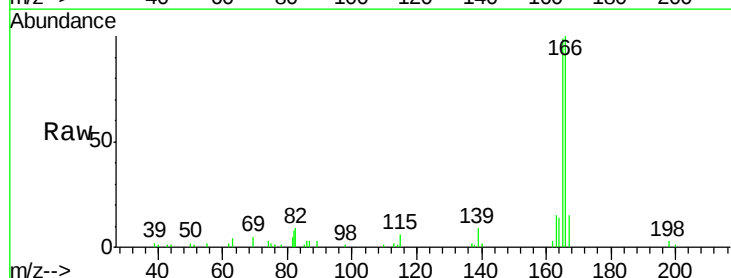
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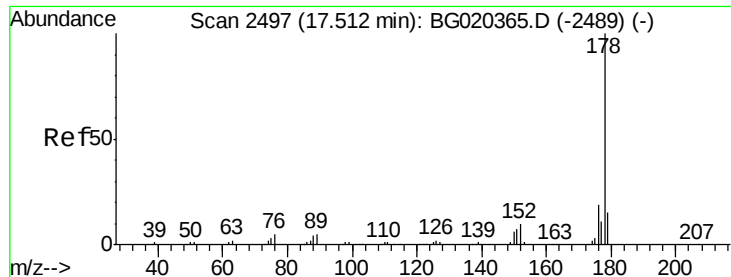
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#59
Fluorene
Concen: 3.81 ng/ul
RT: 15.77 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	81.4	122.0
167	15.4	11.2	16.8





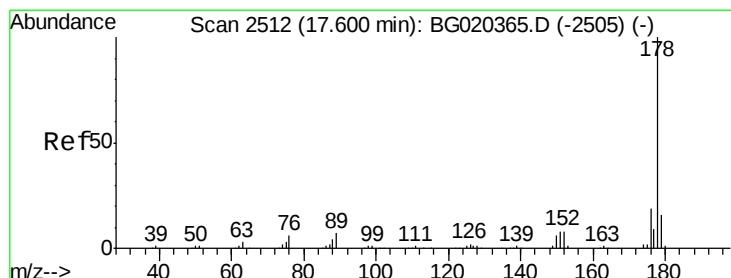
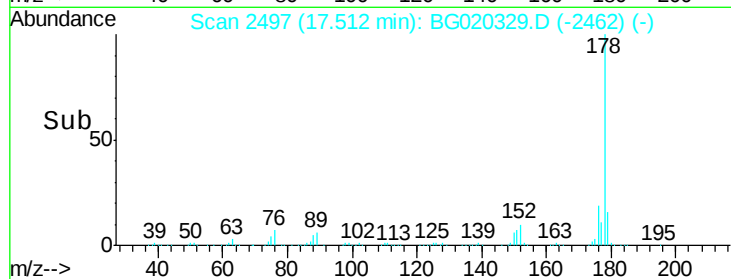
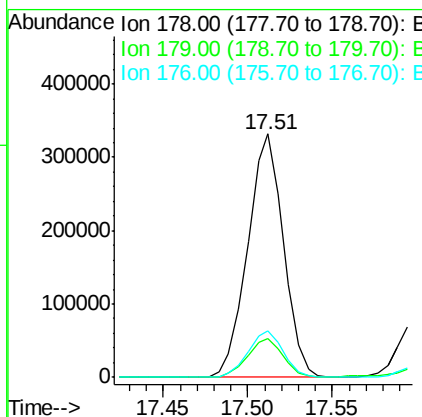
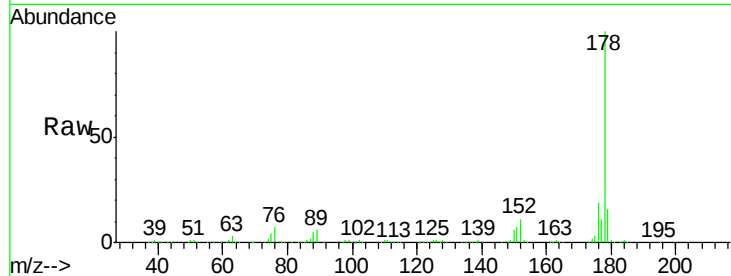
#70
Phenanthrene
Concen: 55.59 ng/ul
RT: 17.51 min Scan# 2497
Delta R.T. 0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Instrument :
BNA_G
ClientSampleId :
E43M3

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.9	19.3
176	19.2	15.3	22.9

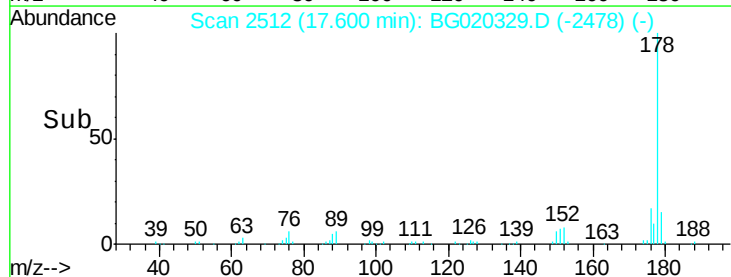
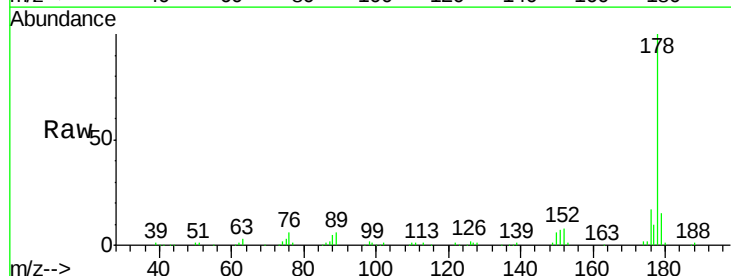
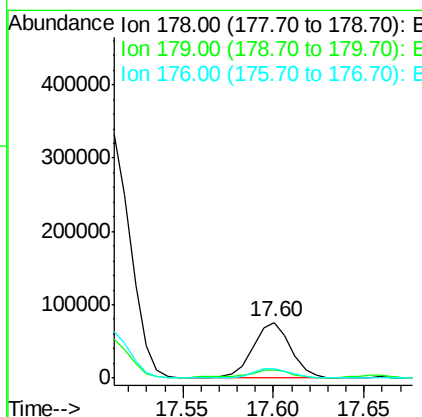
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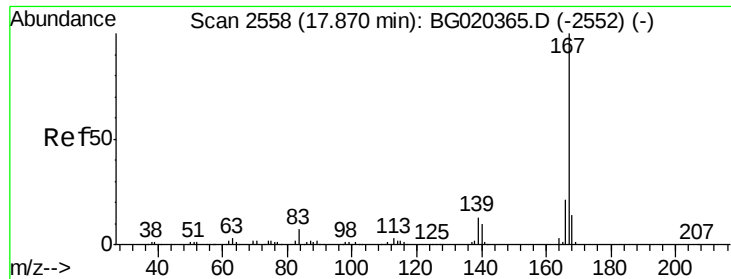
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#72
Anthracene
Concen: 12.46 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	17.3	14.3	21.5





#75

Carbazole

Concen: 5.94 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Instrument :

BNA_G

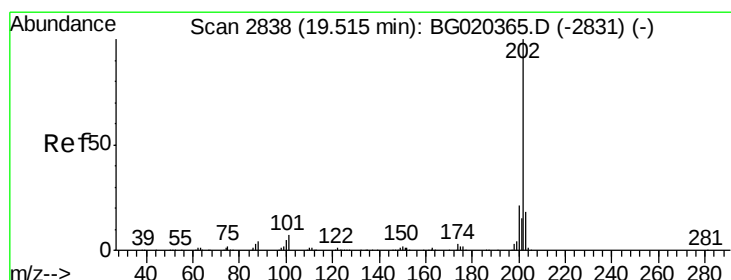
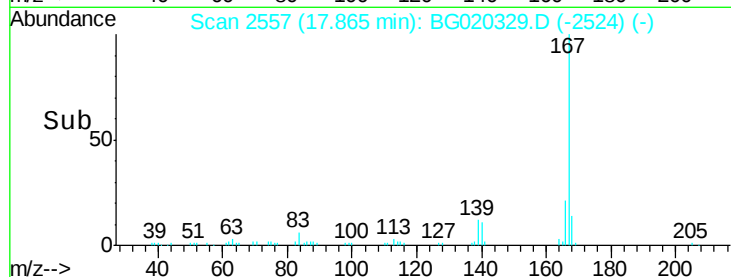
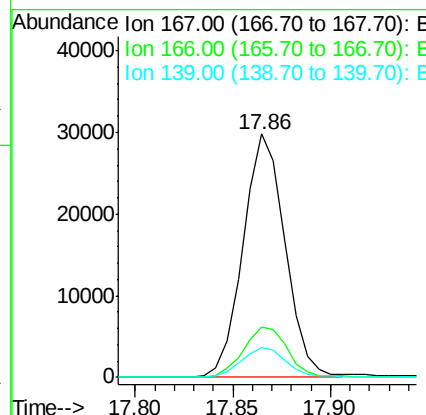
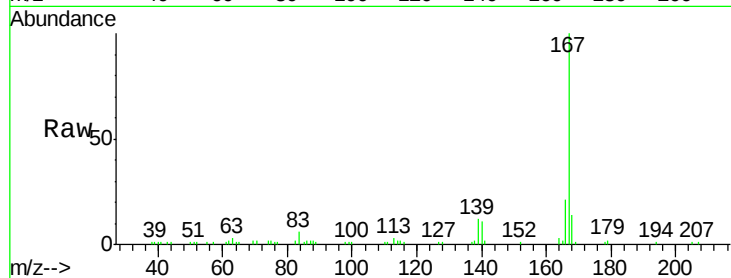
ClientSampleId :

E43M3

Tot Ion:	167	Resp:	44377
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.0	25.6
139	12.5	10.1	15.1

Manual Integrations
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#77

Fluoranthene

Concen: 116.61 ng/ul

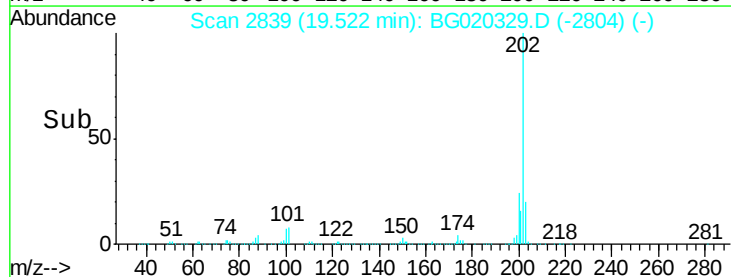
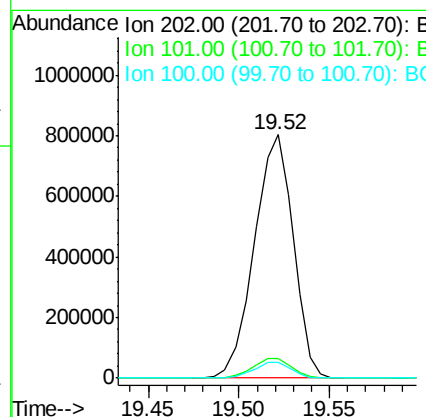
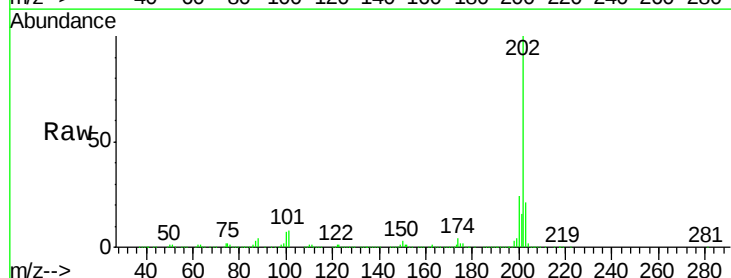
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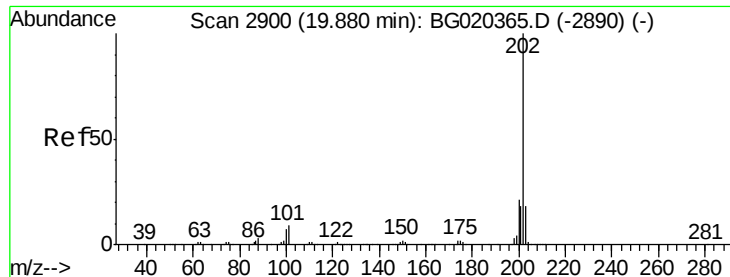
Delta R.T. 0.01 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Tgt Ion:	202	Resp:	1193750
Ion Ratio	Lower	Upper	
202	100		
101	8.2	6.2	9.4
100	6.6	5.1	7.7





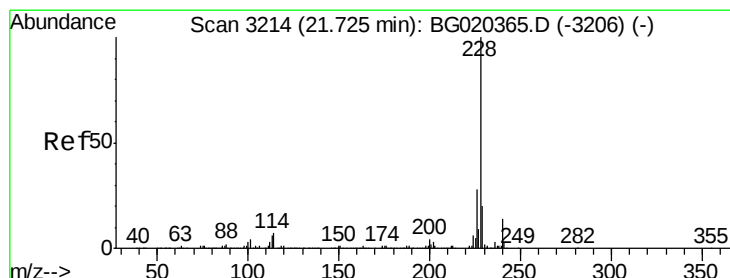
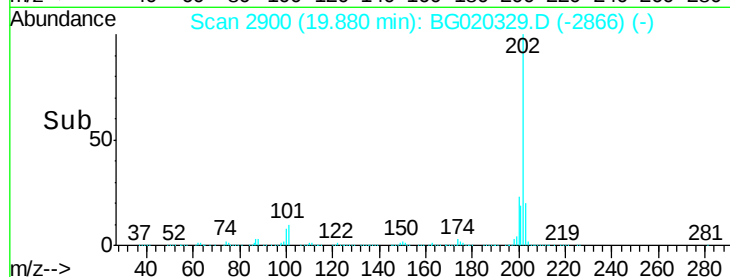
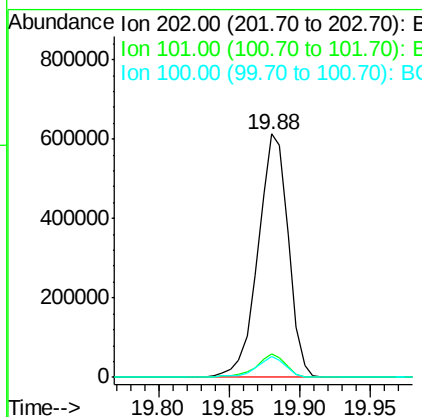
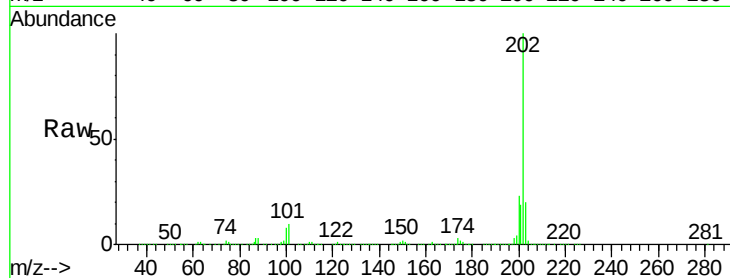
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Pvrene
Concen: 76.69 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Instrument :
BNA_G
ClientSampleId :
E43M3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	7.0	10.4
100	8.4	6.4	9.6

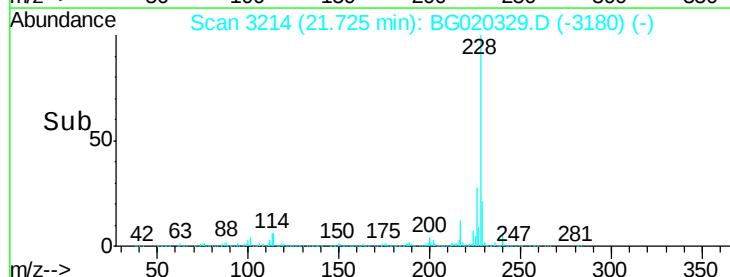
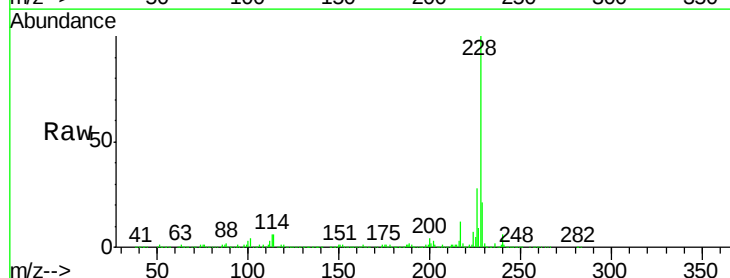
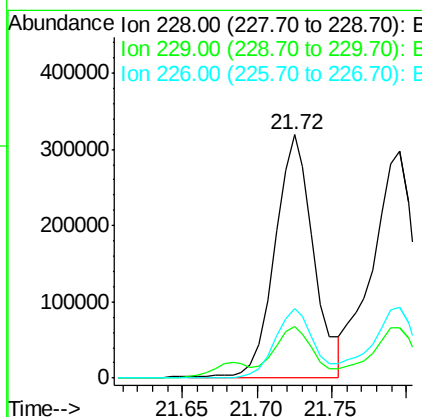
Manual Integrations
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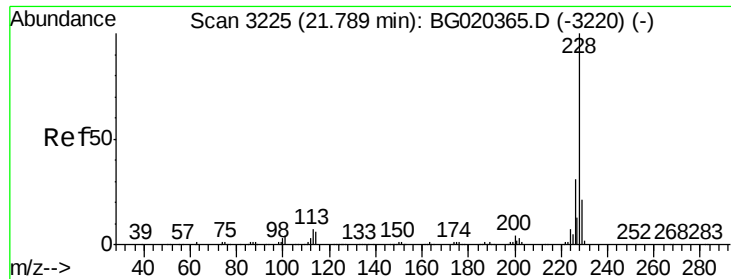
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#83
Benzo(a)anthracene
Concen: 49.59 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.00 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.2	15.8	23.8
226	28.5	21.8	32.6





#85

Chrysene

Concen: 51.98 ng/ul

RT: 21.80 min Scan# 3226

Delta R.T. 0.01 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Instrument :

BNA_G

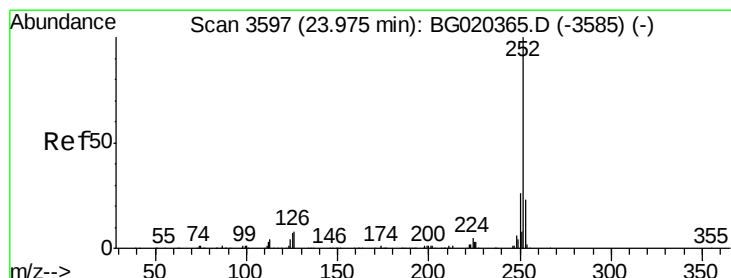
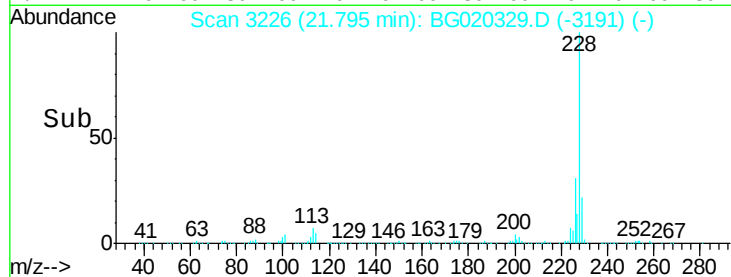
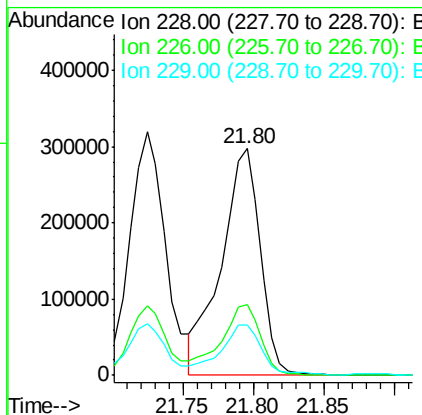
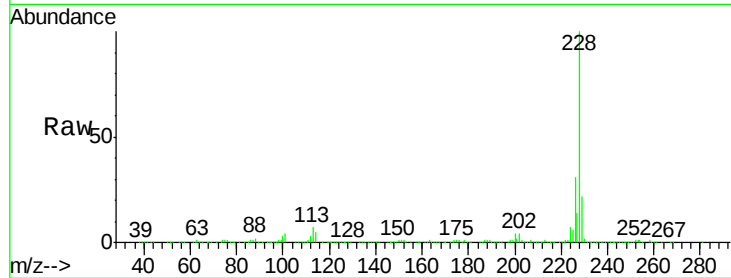
ClientSampleId :

E43M3

Tot Ion:	228	Resp:	567870
Ion Ratio		Lower	Upper
228	100		
226	31.4	23.9	35.9
229	22.0	15.6	23.4

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#88

Benzo(b)fluoranthene

Concen: 72.55 ng/ul

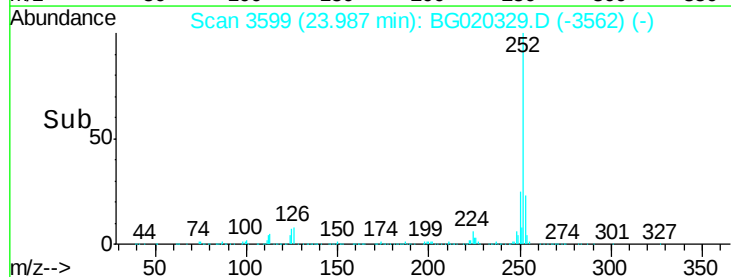
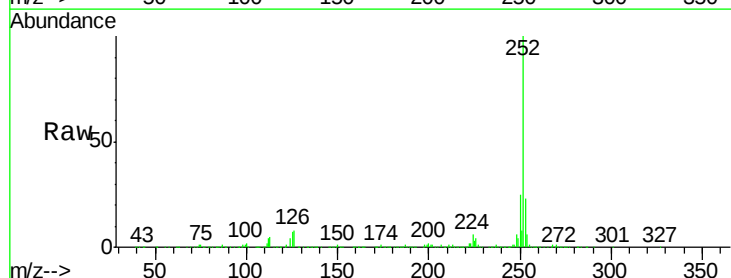
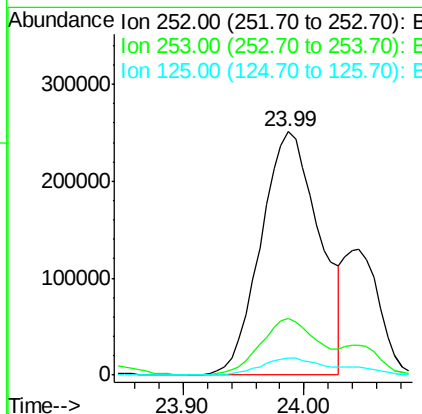
RT: 23.99 min Scan# 3599

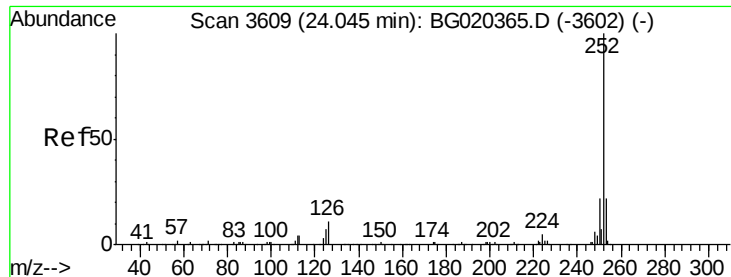
Delta R.T. 0.02 min

Lab File: BG020329.D

Acq: 20 Dec 2015 2:16

Tgt Ion:	252	Resp:	841395
Ion Ratio		Lower	Upper
252	100		
253	23.2	16.7	25.1
125	7.0	6.2	9.2





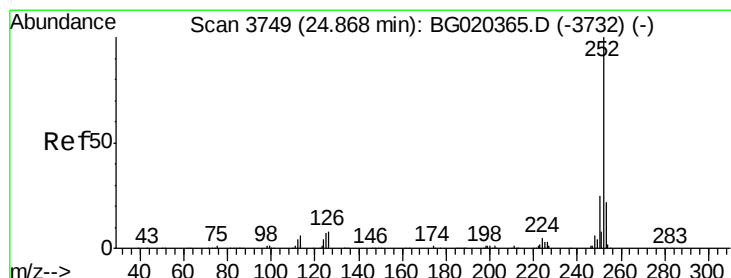
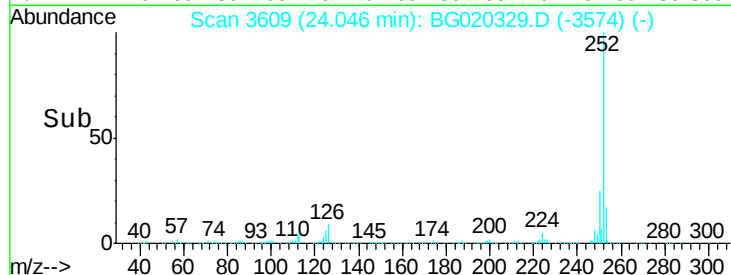
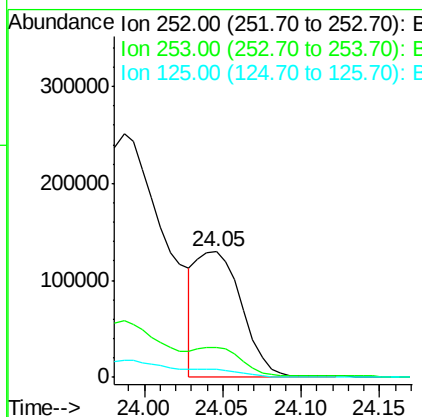
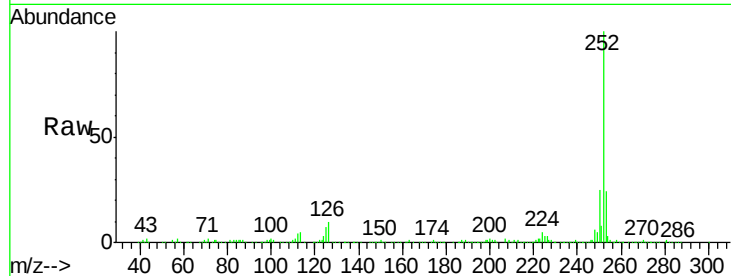
#89
Benzo(k)fluoranthene
Concen: 23.76 ng/ul m
RT: 24.05 min Scan# 3609
Delta R.T. 0.01 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Instrument :
BNA_G
ClientSampleId :
E43M3

Tot Ion	Ratio	Resp	Lower	Upper
252	100	264423		
253	24.0	17.9	26.9	
125	6.6	5.8	8.6	

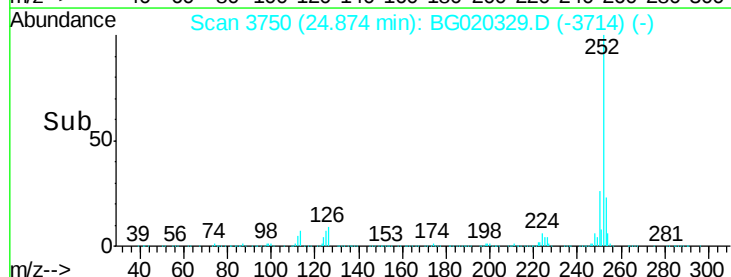
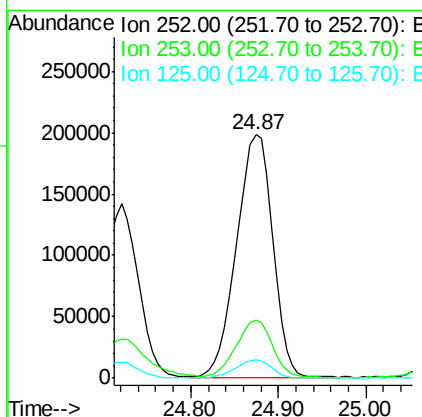
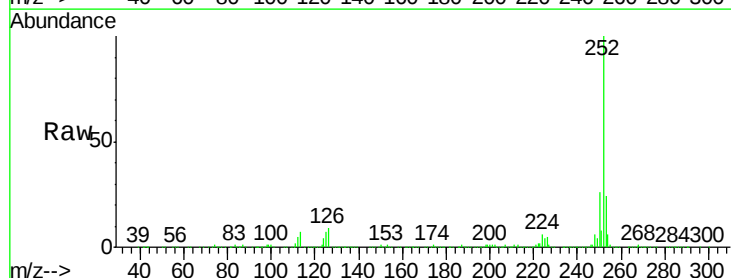
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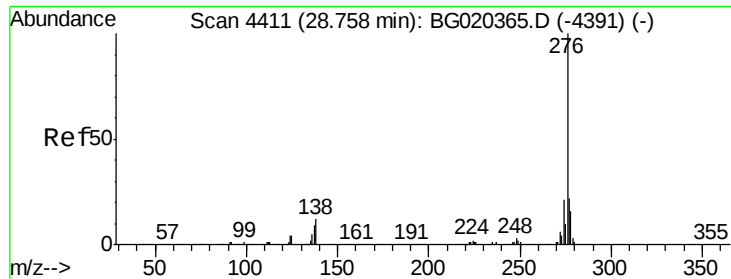
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#91
Benzo(a)pyrene
Concen: 50.32 ng/ul
RT: 24.87 min Scan# 3750
Delta R.T. 0.01 min
Lab File: BG020329.D
Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	553167		
253	23.6	17.0	25.4	
125	7.3	6.2	9.4	





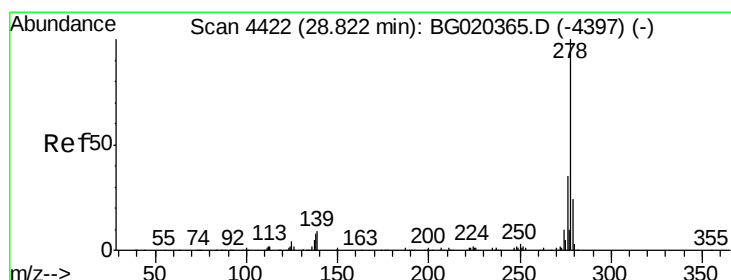
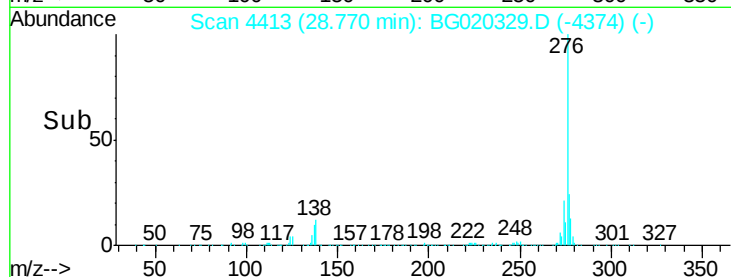
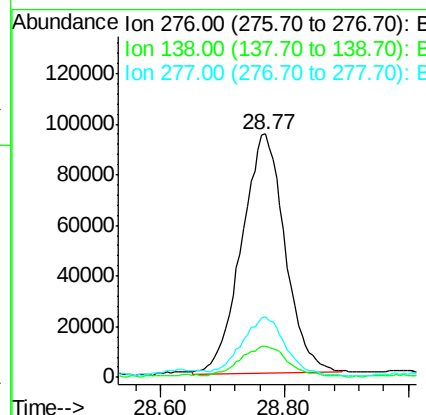
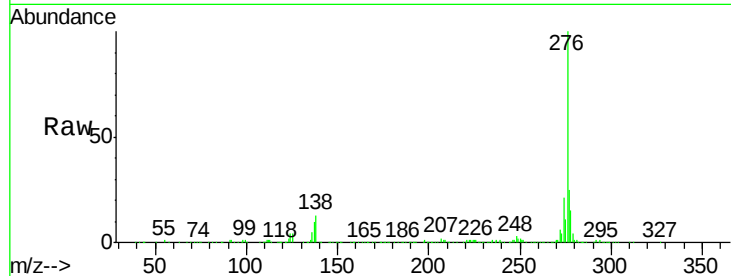
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 35.22 ng/ul
 RT: 28.77 min Scan# 4413
 Delta R.T. 0.03 min
 Lab File: BG020329.D
 Acq: 20 Dec 2015 2:16

Instrument :
 BNA_G
 ClientSampleId :
 E43M3

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.5	11.4	17.0
277	25.0	17.4	26.0

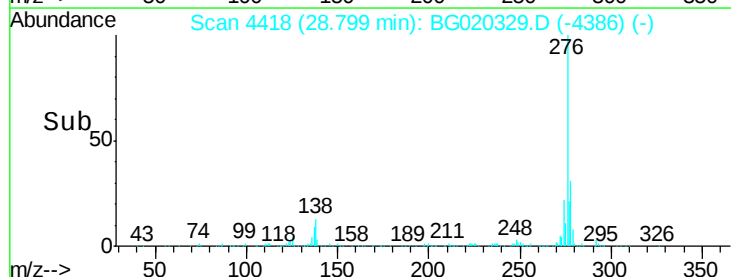
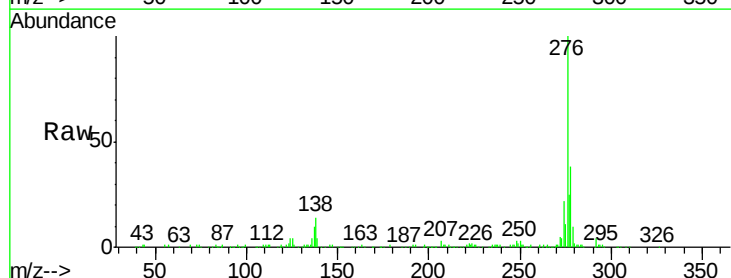
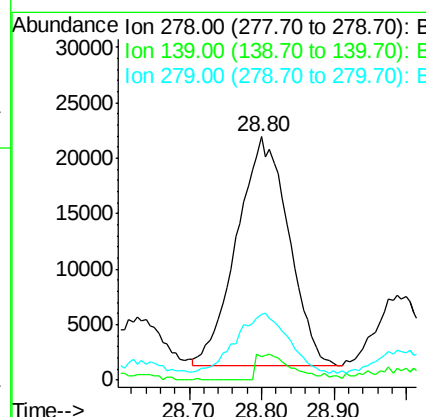
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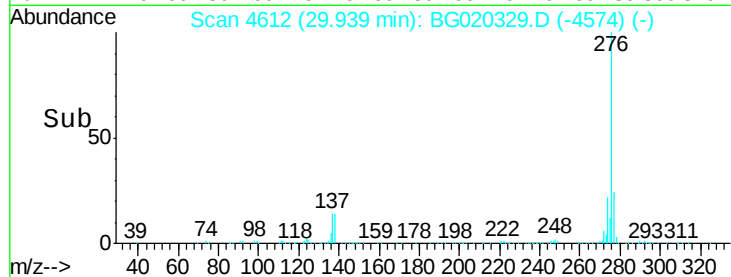
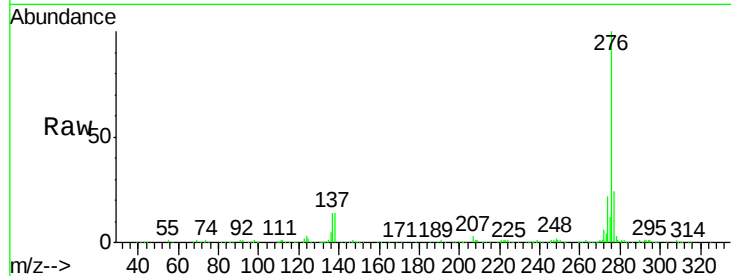
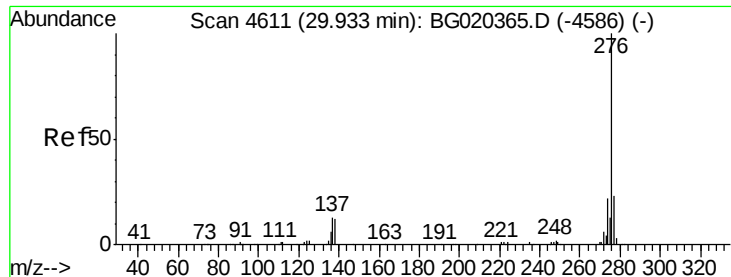
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#93
 Dibenzo(a,h)anthracene
 Concen: 9.46 ng/ul
 RT: 28.80 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: BG020329.D
 Acq: 20 Dec 2015 2:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.4	9.4	14.2#
279	26.9	19.4	29.0





#94
 Benzo(a,h,i)perylene
 Concen: 36.88 ng/ul
 RT: 29.94 min Scan# 4612
 Delta R.T. 0.03 min
 Lab File: BG020329.D
 Acq: 20 Dec 2015 2:16

Tot Ion:	276	Resp:	395790
Ion Ratio		Lower	Upper
276	100		
138	14.3	10.8	16.2
277	24.4	19.9	29.9

Instrument :
 BNA_G
 ClientSampleId :
 E43M3

Manual Integrations
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