

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020453.D
 Acq On : 23 Dec 2015 21:26
 Operator : UM/SJ
 Sample : G4848-14DL 25X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:32:02 PM

Quant Time: Dec 24 03:51:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20256	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	94404	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	67912	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	166109	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	207671	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	193887	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	1192	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	833	0.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1044	0.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1088	0.71	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	469m	0.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	629	0.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1304	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	1397m	0.75	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	5775	1.05	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6491	1.02	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5863	1.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	8571	1.12	ng/ul	0.00
79) Pyrene-d10	19.84	212	9436	0.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	10027	1.04	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	120413	24.42	ng/ul	98
34) 2-Methylnaphthalene	12.55	142	33691	8.95	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	14631	2.86	ng/ul#	94
50) Acenaphthene	14.78	153	65391	14.31	ng/ul	99
54) Dibenzofuran	15.11	168	65478	9.63	ng/ul	100
59) Fluorene	15.76	166	56947	10.43	ng/ul	100
70) Phenanthrene	17.50	178	289526	31.87	ng/ul	100
72) Anthracene	17.59	178	20627	2.24	ng/ul	97
75) Carbazole	17.87	167	10460	1.35	ng/ul	99
77) Fluoranthene	19.51	202	173955	16.38	ng/ul	97
80) Pyrene	19.87	202	118532	9.43	ng/ul	98
83) Benzo(a)anthracene	21.72	228	28159	2.32	ng/ul	98
85) Chrysene	21.78	228	22901	2.01	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	12121	1.04	ng/ul	95

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

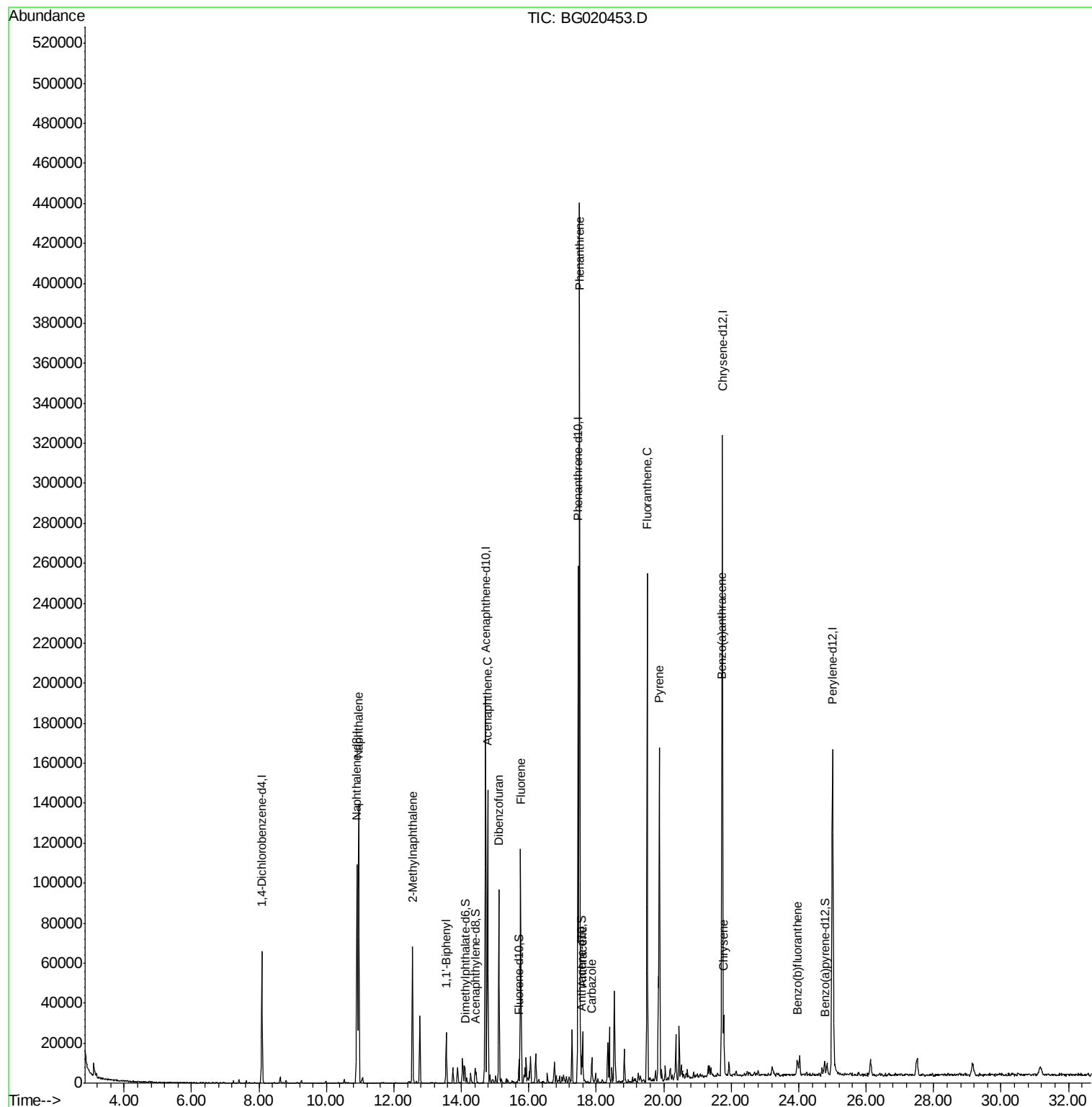
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020453.D
Acq On : 23 Dec 2015 21:26
Operator : UM/SJ
Sample : G4848-14DL 25X
Misc :
ALS Vial : 43 Sample Multiplier: 1

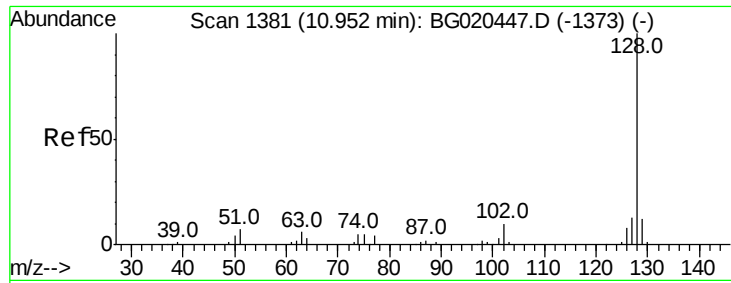
Instrument :
BNA_G
ClientSampleId :
D9N60DL

Manual Integrations
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Quant Time: Dec 24 03:51:45 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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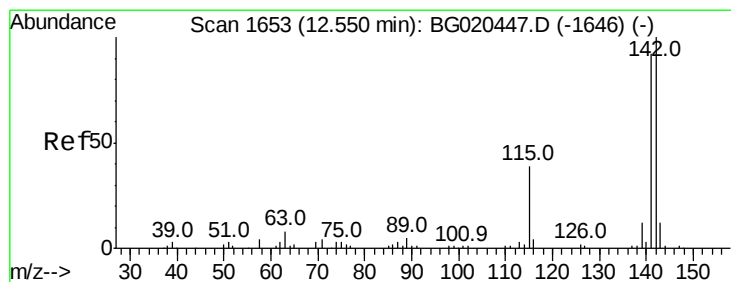
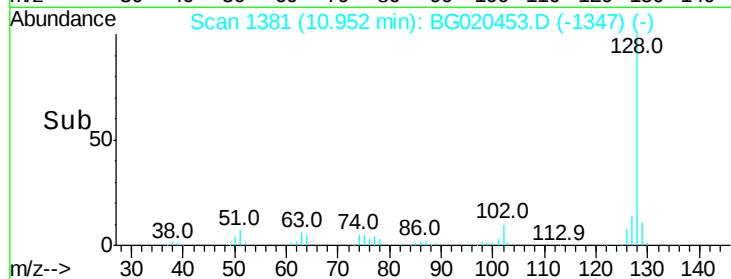
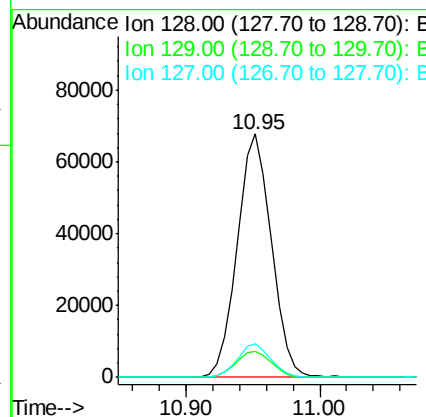
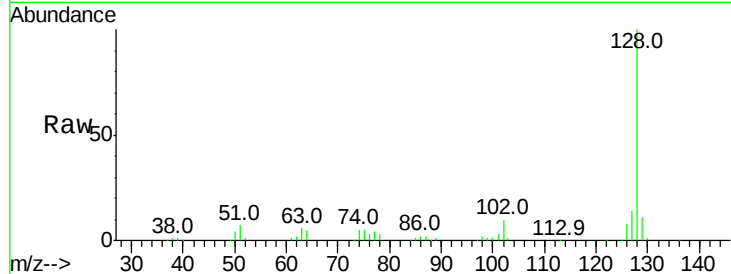
#28
Naphthalene
Concen: 24.42 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Instrument :
BNA_G
ClientSampleId :
D9N60DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	14.1	10.1	15.1

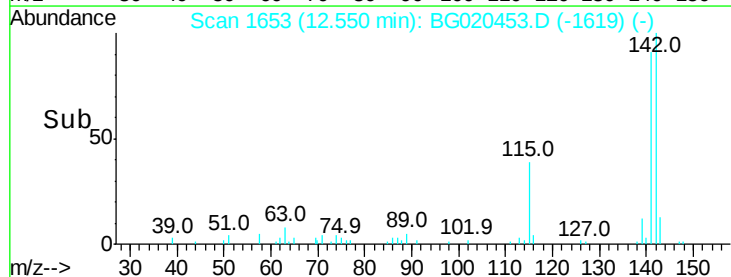
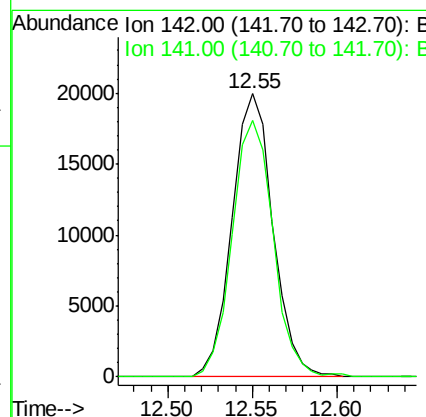
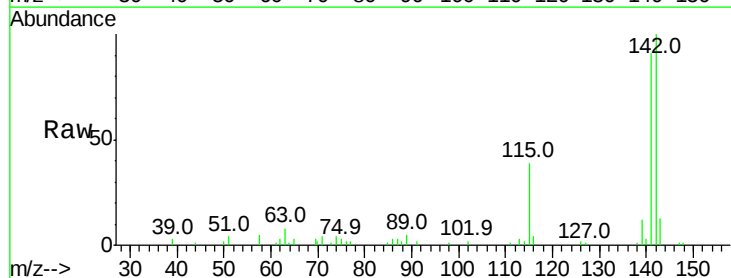
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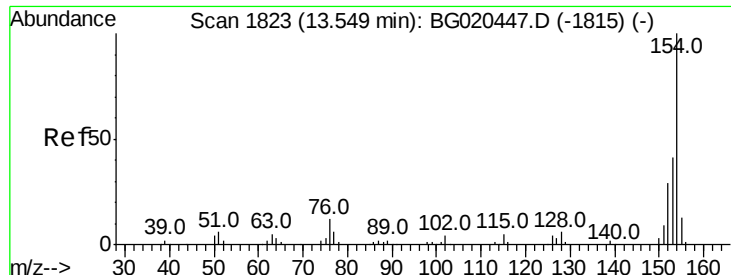
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#34
2-Methylnaphthalene
Concen: 8.95 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.9	112.3





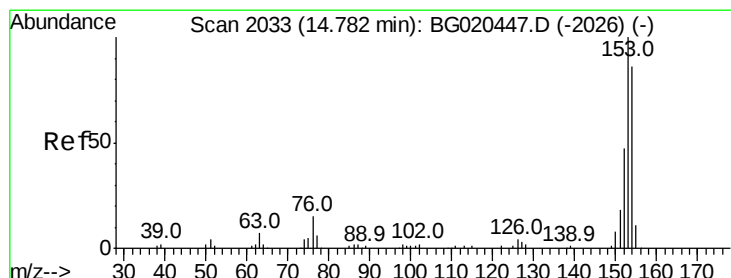
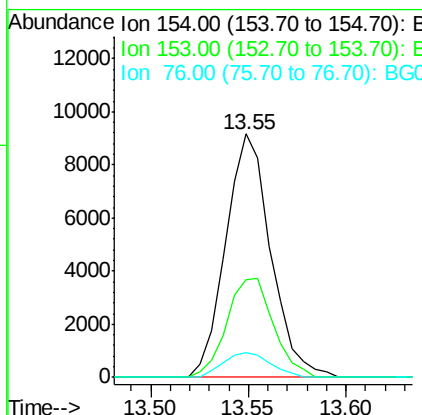
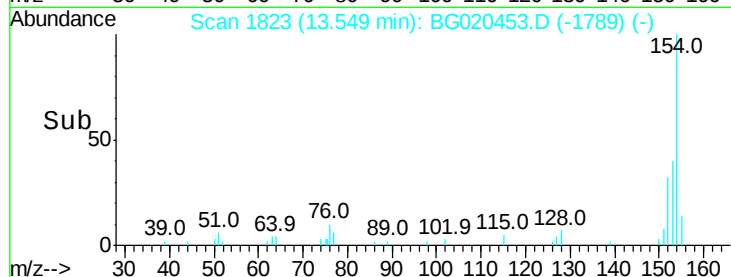
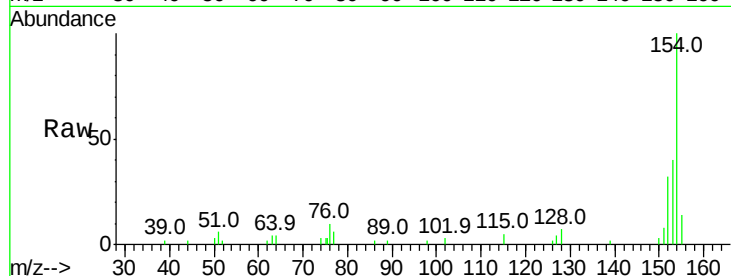
#41
 1,1'-Biphenyl
 Concen: 2.86 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.4	35.5	53.3
76	10.1	10.4	15.6

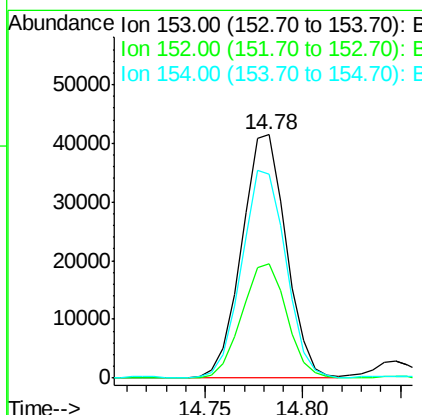
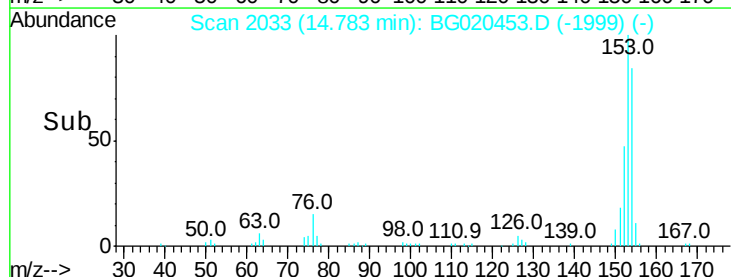
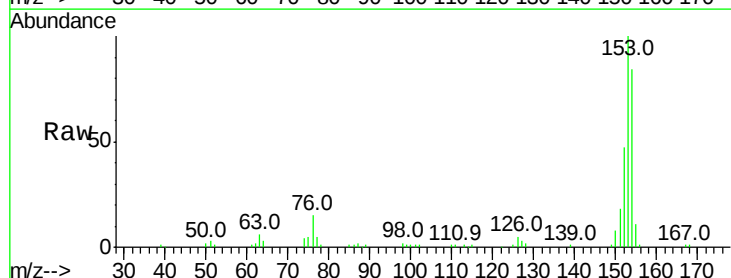
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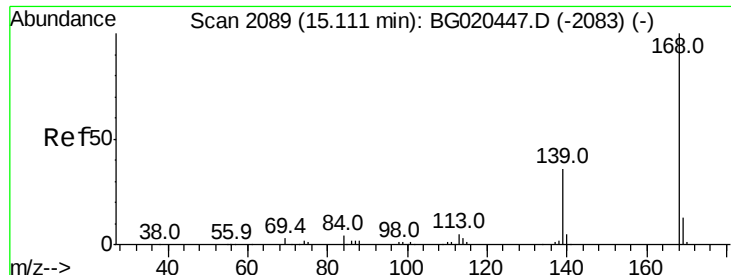
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#50
 Acenaphthene
 Concen: 14.31 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.6	56.4
154	84.0	67.9	101.9





#54

Dibenzenofuran

Concen: 9.63 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

Instrument :

BNA_G

ClientSampleId :

D9N60DL

Tot Ion:168 Resp: 65478

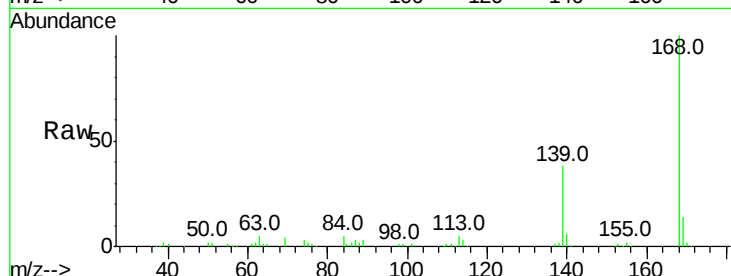
Ion Ratio Lower Upper

168 100

139 38.0 30.5 45.7

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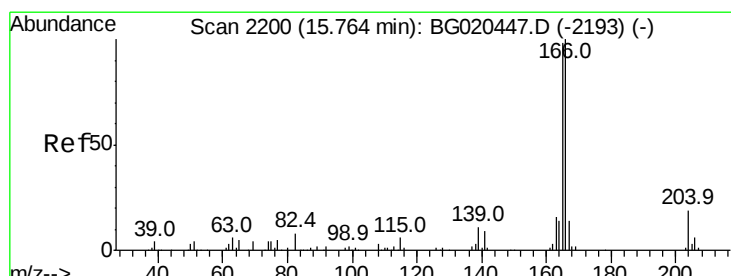
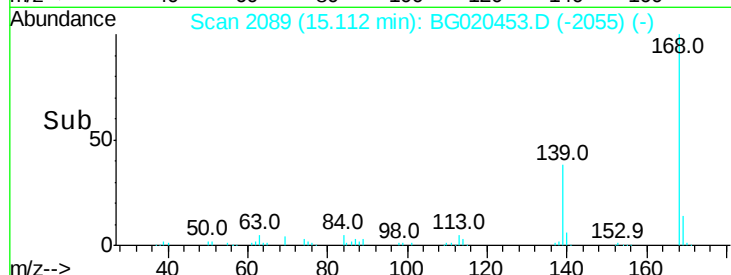


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.11

Time-->



#59

Fluorene

Concen: 10.43 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

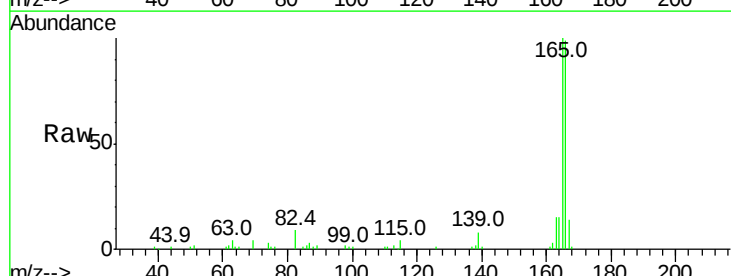
Tgt Ion:166 Resp: 56947

Ion Ratio Lower Upper

166 100

165 101.4 81.4 122.0

167 14.0 11.2 16.8



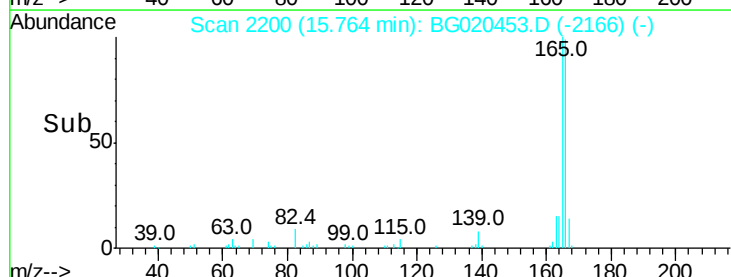
Abundance Ion 166.00 (165.70 to 166.70): E

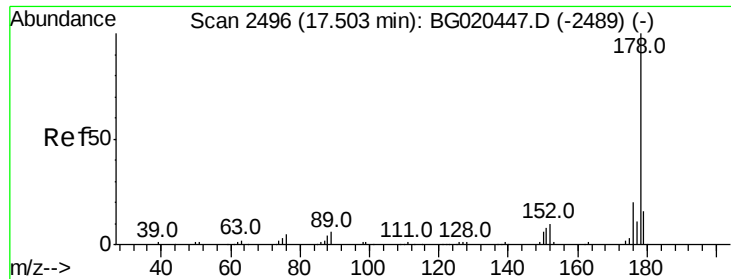
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.76

Time-->





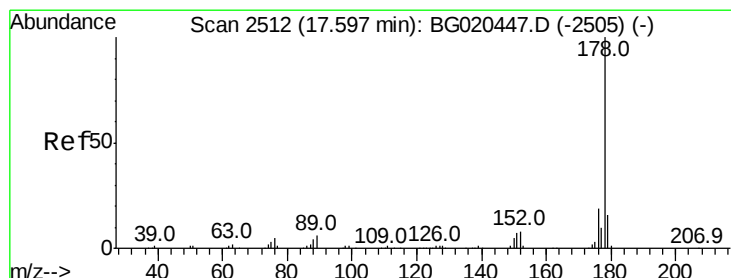
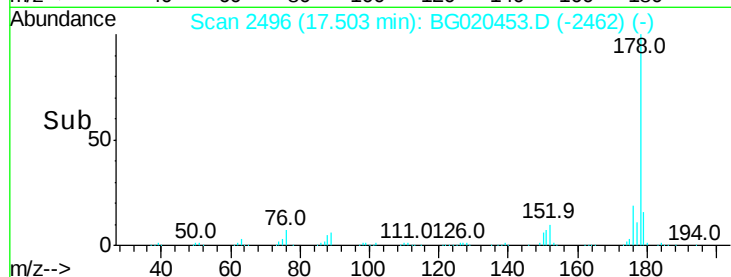
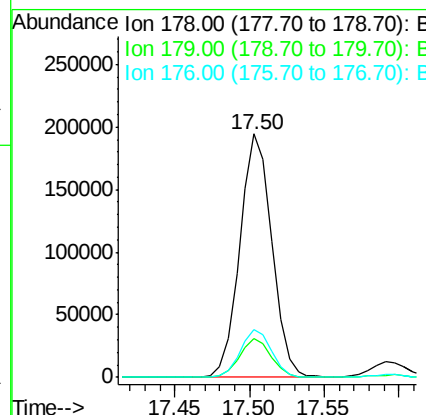
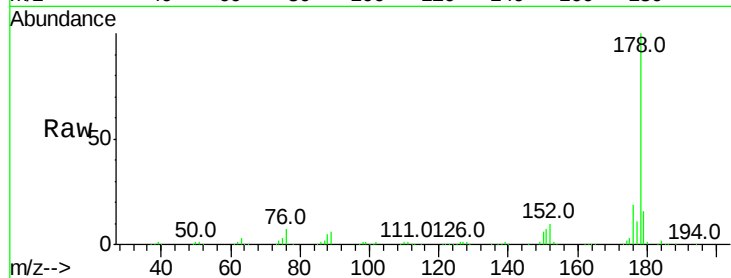
#70
 Phenanthrene
 Concen: 31.87 ng/ul
 RT: 17.50 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Instrument :
 BNA_G
 ClientSampleID :
 D9N60DL

Tot Ion:	178	Resp:	289526
Ion Ratio	Lower	Upper	
178	100		
179	16.0	12.9	19.3
176	19.4	15.3	22.9

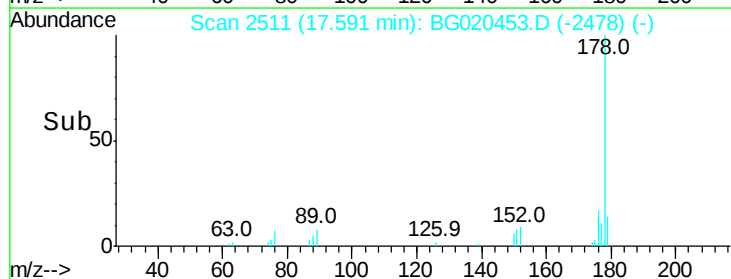
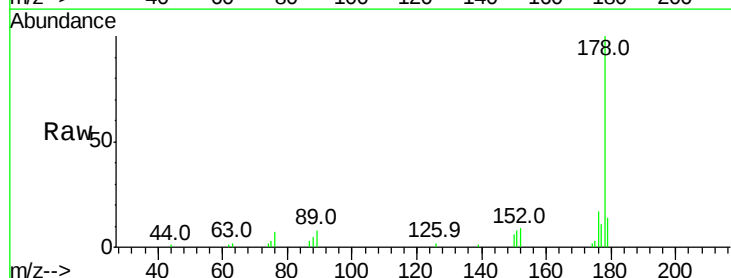
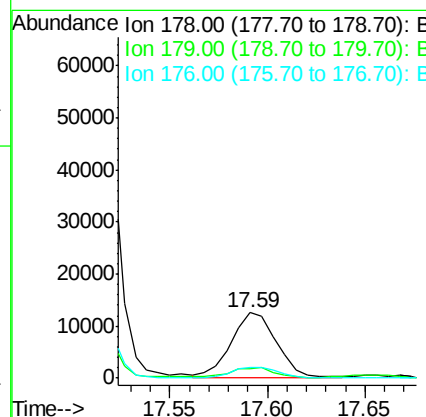
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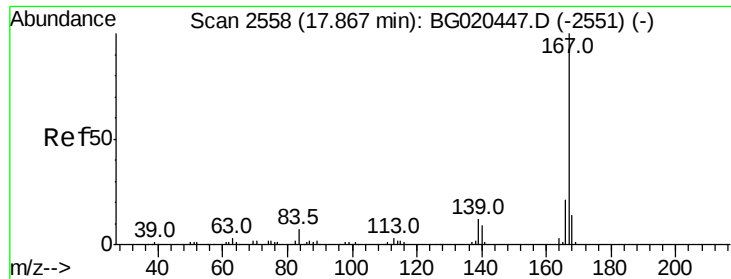
Sohil
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#72
 Anthracene
 Concen: 2.24 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. -0.01 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Tgt Ion:	178	Resp:	20627
Ion Ratio	Lower	Upper	
178	100		
179	14.0	12.3	18.5
176	16.8	14.3	21.5





#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

Instrument :

BNA_G

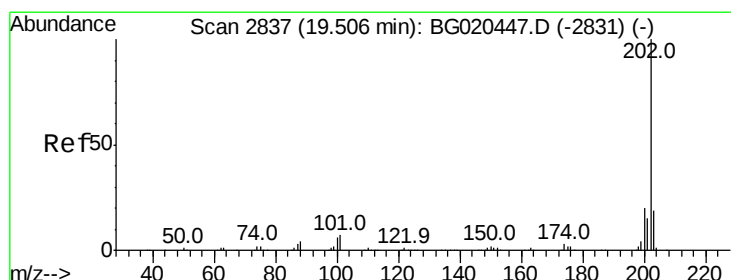
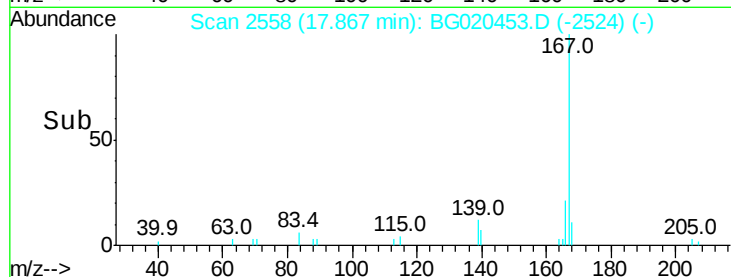
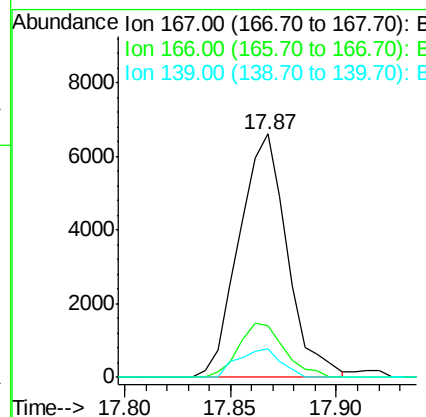
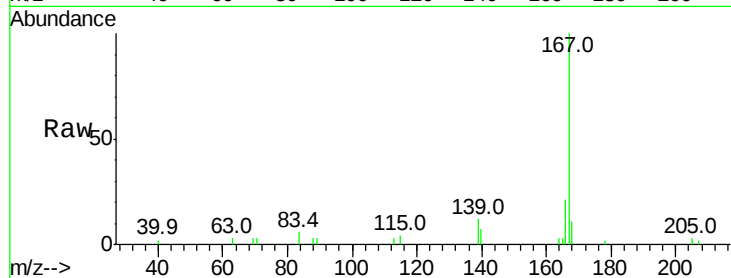
ClientSampleId :

D9N60DL

Tot Ion:	167	Resp:	10460
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	11.6	10.1	15.1

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#77

Fluoranthene

Concen: 16.38 ng/ul

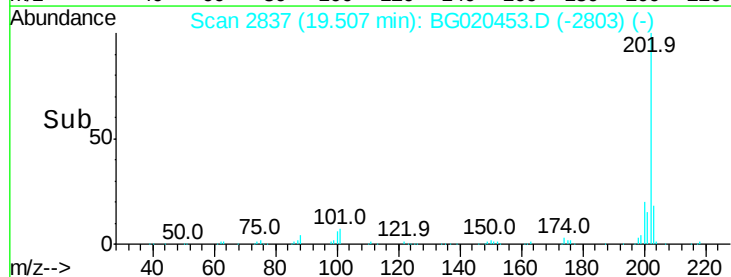
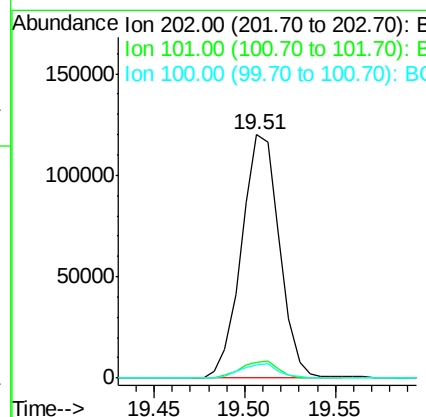
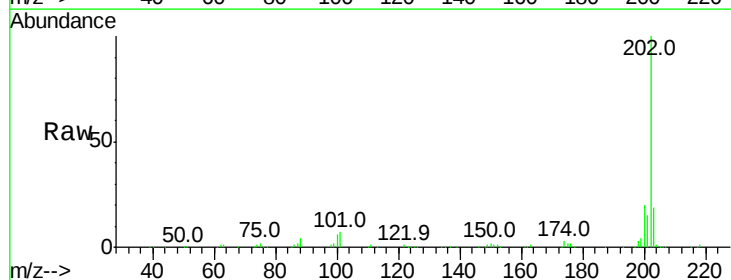
RT: 19.51 min Scan# 2837

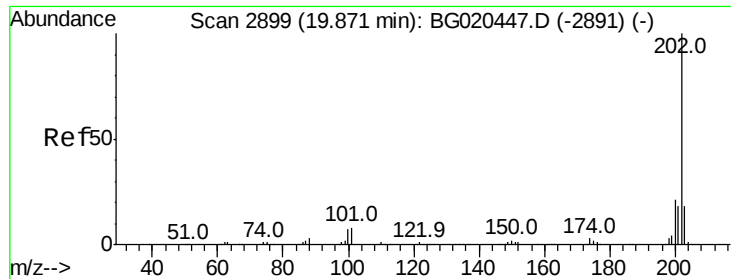
Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

Tgt Ion:	202	Resp:	173955
Ion Ratio	Lower	Upper	
202	100		
101	6.7	6.2	9.4
100	5.5	5.1	7.7





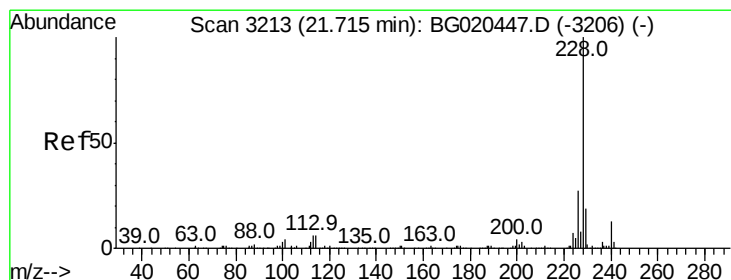
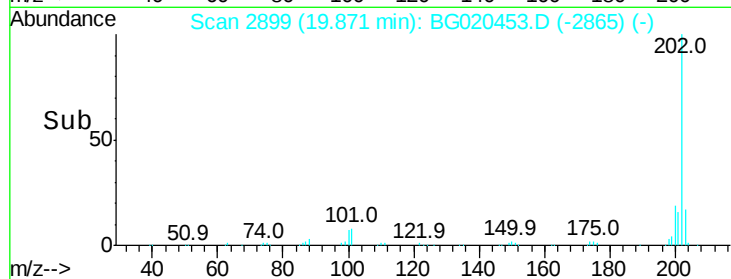
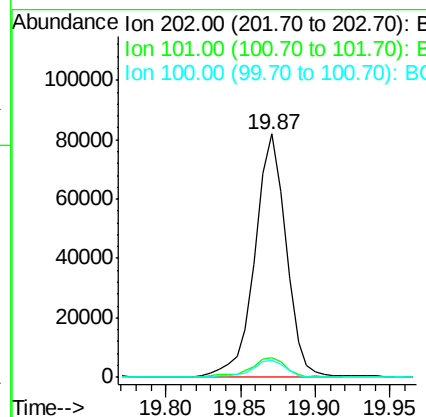
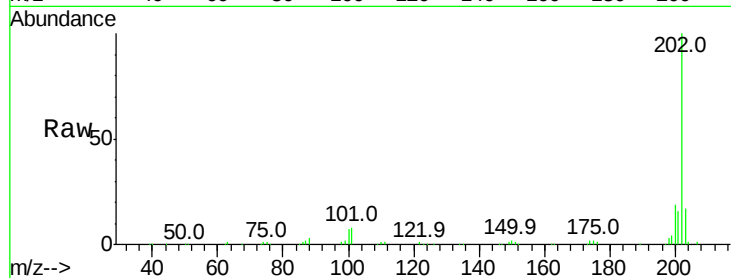
#80
Pvrene
Concen: 9.43 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Instrument :
BNA_G
ClientSampleId :
D9N60DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.2	7.0	10.4
100	6.9	6.4	9.6

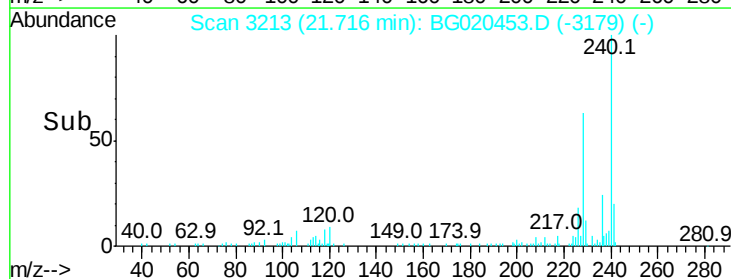
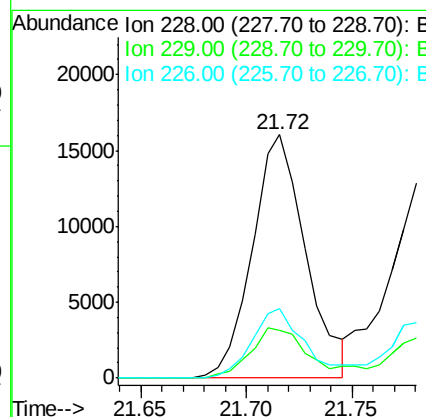
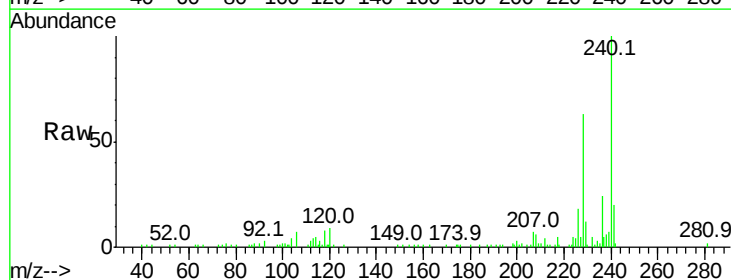
Manual Integrations
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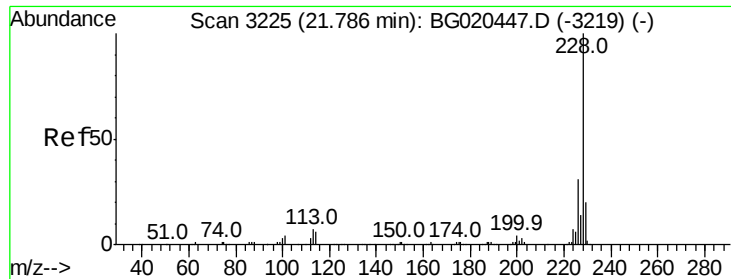
Sohil
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#83
Benzo(a)anthracene
Concen: 2.32 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.6	15.8	23.8
226	28.4	21.8	32.6





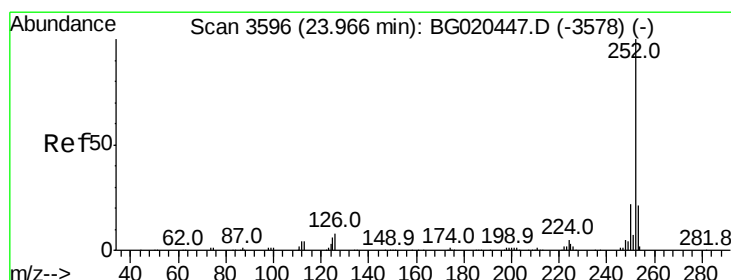
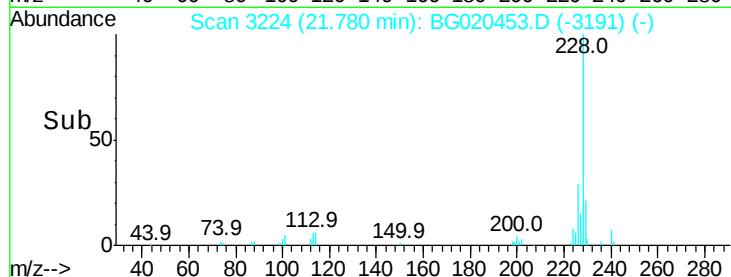
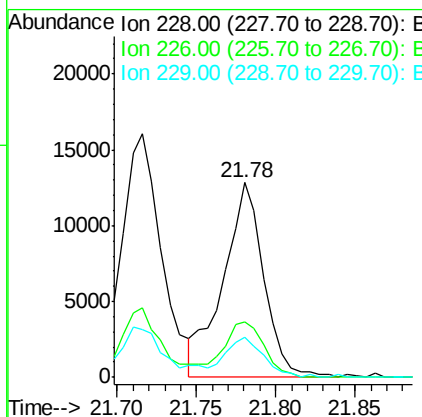
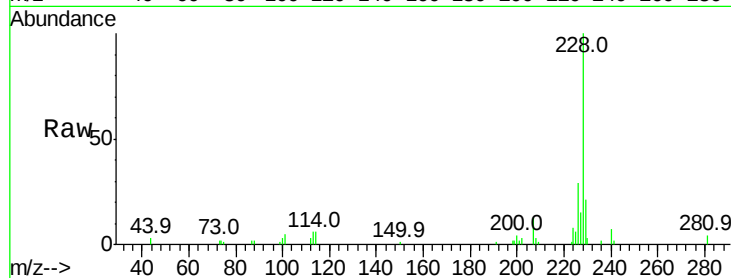
#85
 Chrysene
 Concen: 2.01 ng/ul
 RT: 21.78 min Scan# 3224
 Delta R.T. -0.01 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

Tot Ion:	228	Resp:	22901
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.9	35.9
229	20.6	15.6	23.4

Manual Integrations
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#88
 Benzo(b)fluoranthene
 Concen: 1.04 ng/ul
 RT: 23.96 min Scan# 3595
 Delta R.T. -0.01 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Tgt Ion:	252	Resp:	12121
Ion Ratio	Lower	Upper	
252	100		
253	24.0	16.7	25.1
125	7.3	6.2	9.2

