

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020502.D
 Acq On : 25 Dec 2015 13:11
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:05:46 PM

Quant Time: Dec 26 00:51:55 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 00:23:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	94762	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	70833	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	184262	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	231479	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	223022	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	7.24	99	516m	0.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	225	0.23	ng/ul	0.01
9) 2-Chlorophenol-d4	7.61	132	564	0.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	177	0.13	ng/ul	0.01
19) Nitrobenzene-d5	9.25	128	264m	0.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	207	0.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.52	165	611	0.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	898m	0.48	ng/ul	0.02
44) Dimethylphthalate-d6	14.11	166	4428	0.76	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4819	0.71	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	4421	0.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.55	188	7256m	0.84	ng/ul	0.00
79) Pyrene-d10	19.84	212	8283	0.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	8311	0.74	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	252980	50.22	ng/ul	99
34) 2-Methylnaphthalene	12.54	142	79726	21.39	ng/ul	97
41) 1,1'-Biphenyl	13.54	154	30218	5.53	ng/ul	97
48) Acenaphthylene	14.44	152	7230	1.02	ng/ul#	95
50) Acenaphthene	14.78	153	147407	30.67	ng/ul	98
54) Dibenzofuran	15.11	168	150189	21.00	ng/ul	99
59) Fluorene	15.76	166	149110	25.73	ng/ul	97
70) Phenanthrene	17.50	178	708453	69.10	ng/ul	98
72) Anthracene	17.59	178	52347	4.99	ng/ul	98
75) Carbazole	17.86	167	28006	3.17	ng/ul	97
77) Fluoranthene	19.51	202	453987	35.21	ng/ul	97
80) Pyrene	19.86	202	300523	22.96	ng/ul	98
83) Benzo(a)anthracene	21.71	228	71035	5.23	ng/ul	99
85) Chrysene	21.77	228	60006	4.63	ng/ul	99
88) Benzo(b)fluoranthene	23.95	252	32377	2.42	ng/ul	93
91) Benzo(a)pyrene	24.83	252	17777	1.38	ng/ul#	98

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

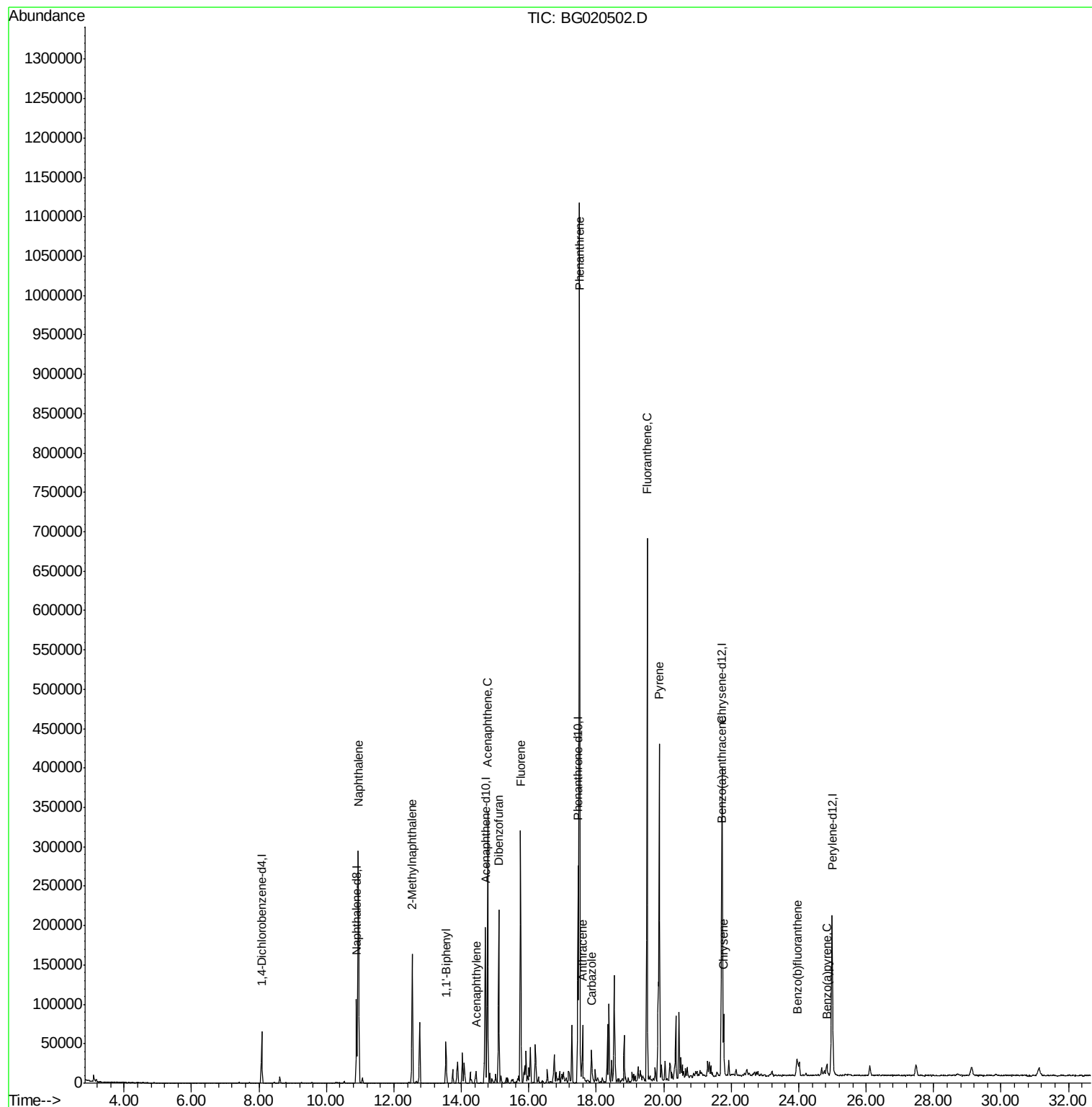
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020502.D
Acq On : 25 Dec 2015 13:11
Operator : UM/SJ
Sample : G4848-05DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

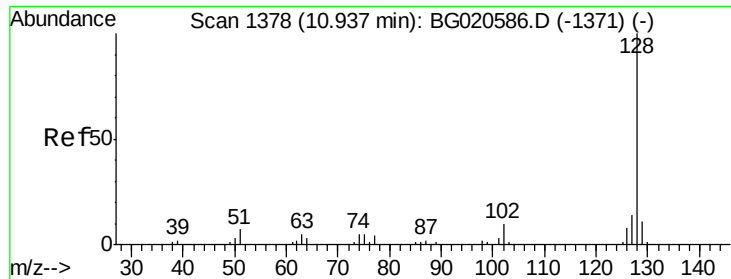
Instrument :
BNA_G
ClientSampleId :
D9N51MEDL

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Quant Time: Dec 26 00:51:55 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 26 00:23:26 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 50.22 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

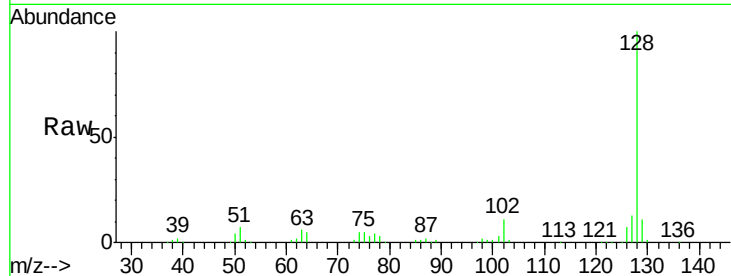
ClientSampleId :

D9N51MEDL

Tot Ion:	128	Resp:	252980
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	12.8
127	13.1	10.1	15.1

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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

150000

100000

50000

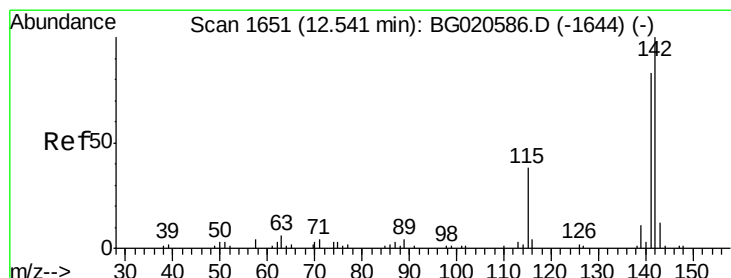
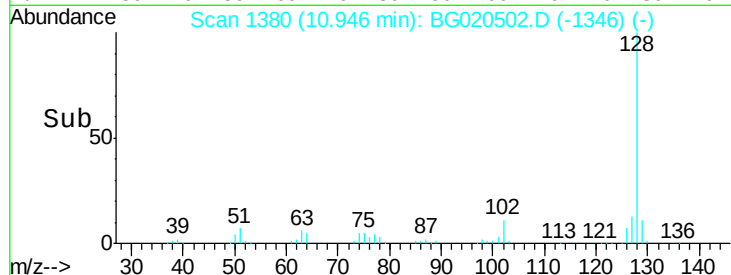
0

10.95

10.90

11.00

Time-->



#34

2-Methylnaphthalene

Concen: 21.39 ng/ul

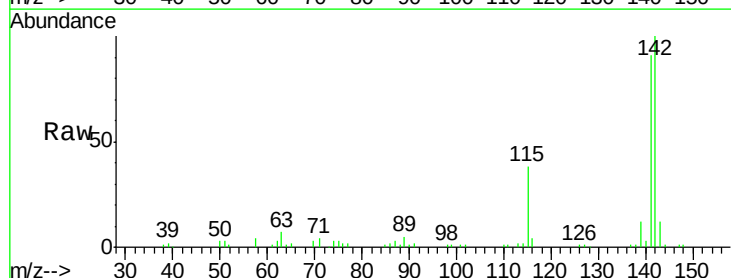
RT: 12.54 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Tgt Ion:	142	Resp:	79726
Ion Ratio	Lower	Upper	
142	100		
141	90.6	74.9	112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

50000

40000

30000

20000

10000

0

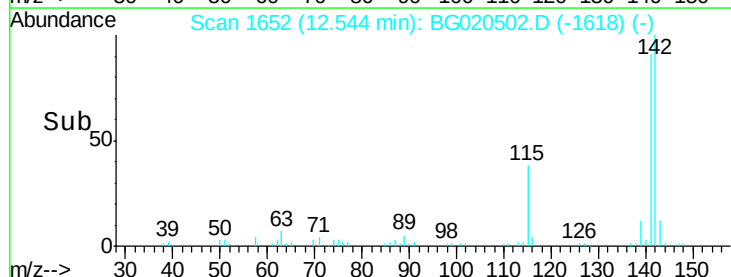
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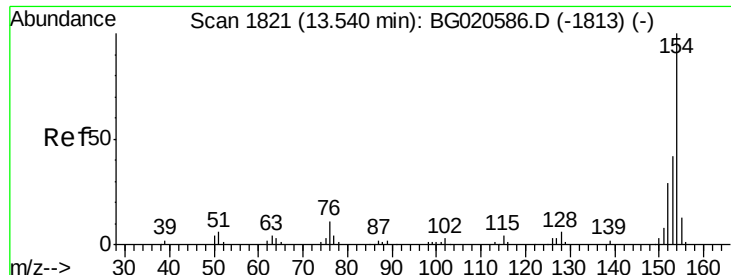
12.50

12.55

12.60

Time-->





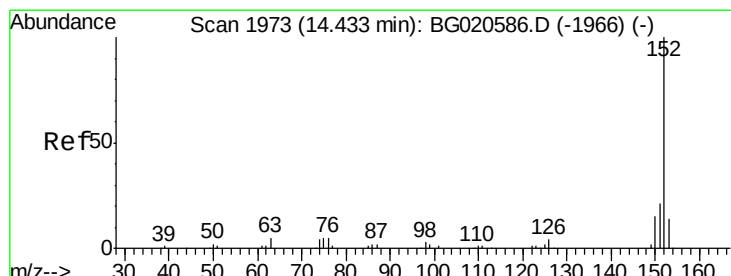
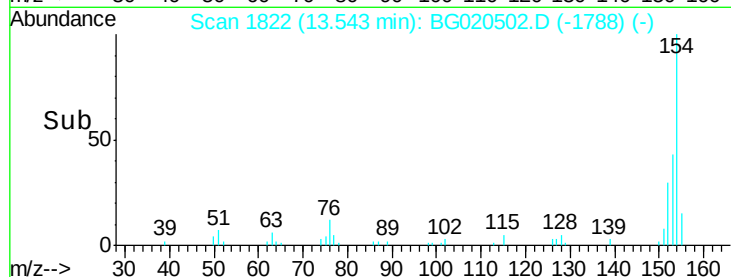
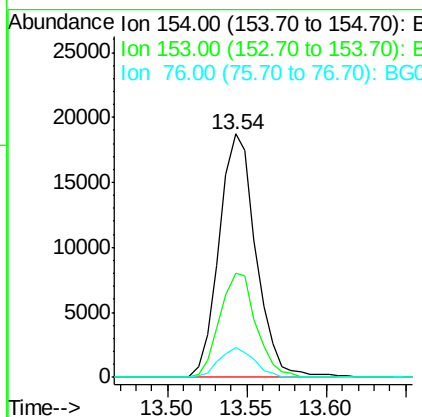
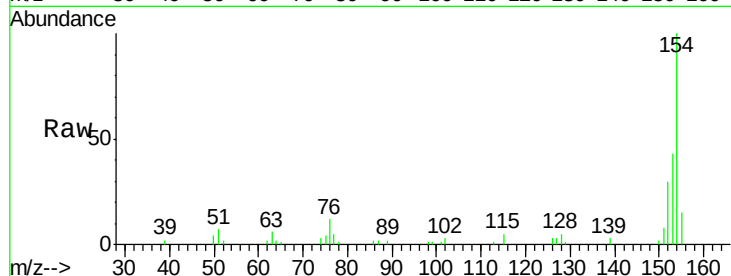
#41
 1,1'-Biphenyl
 Concen: 5.53 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

Tot Ion:	154	Resp:	30218
Ion Ratio	Lower	Upper	
154	100		
153	42.7	35.5	53.3
76	12.1	10.4	15.6

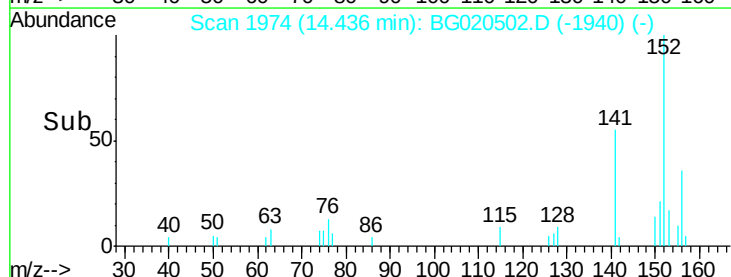
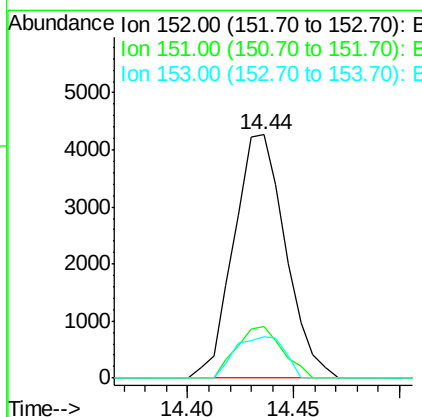
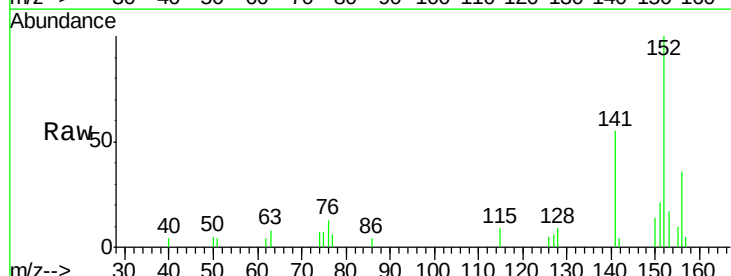
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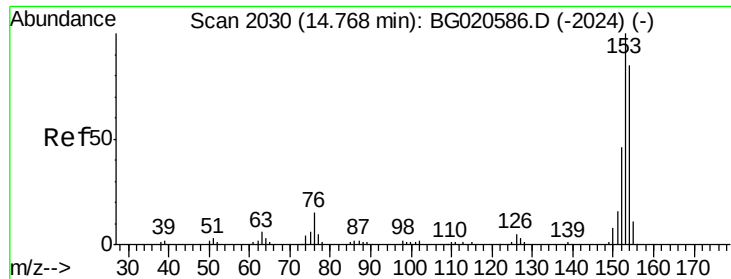
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#48
 Acenaphthylene
 Concen: 1.02 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Tgt Ion:	152	Resp:	7230
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.4	24.6
153	17.1	10.4	15.6#





#50

Acenaphthene

Concen: 30.67 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

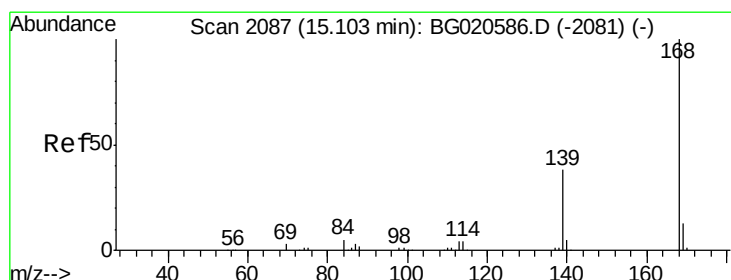
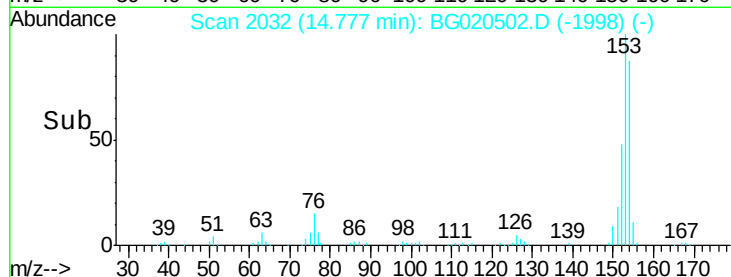
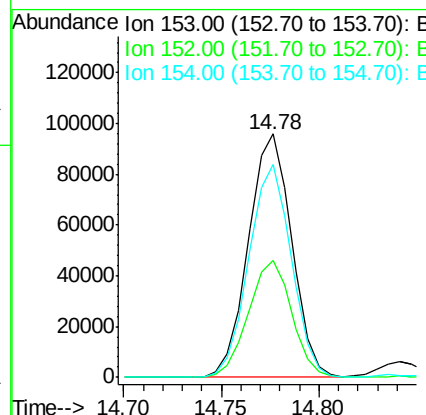
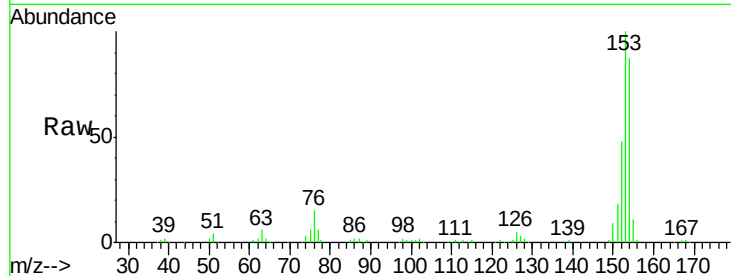
ClientSampleId :

D9N51MEDL

Tot Ion:	153	Resp:	147407
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.6	56.4
154	87.3	67.9	101.9

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#54

Dibenzofuran

Concen: 21.00 ng/ul

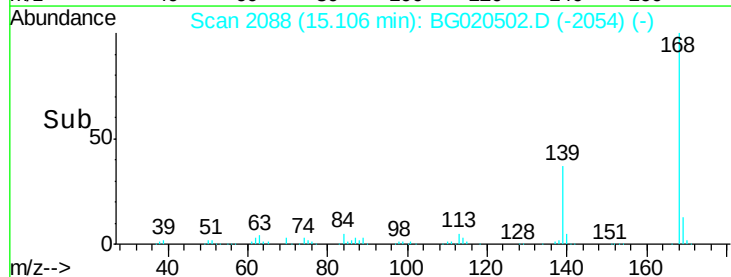
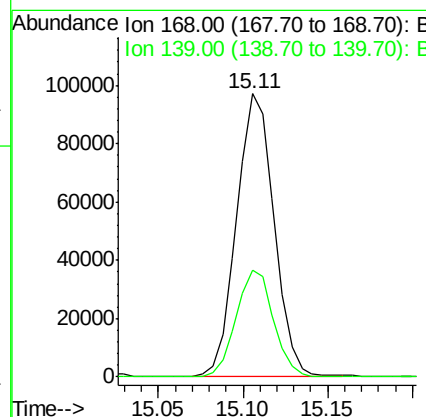
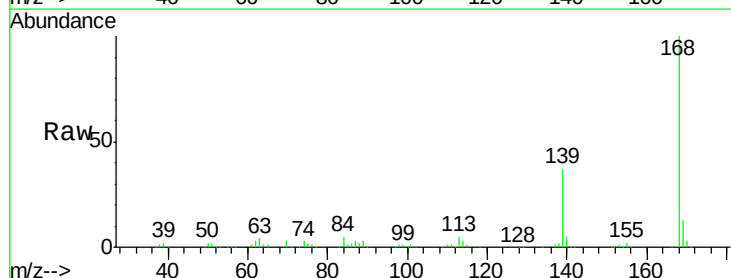
RT: 15.11 min Scan# 2088

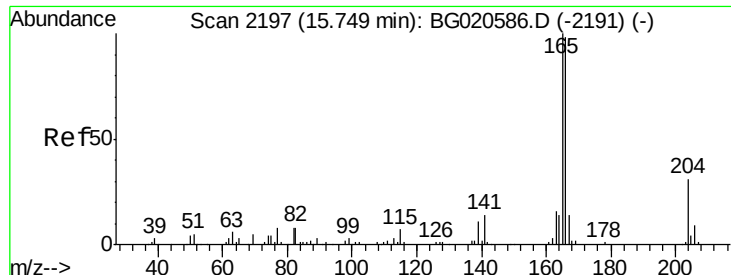
Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Tgt Ion:	168	Resp:	150189
Ion Ratio	Lower	Upper	
168	100		
139	37.5	30.5	45.7





#59

Fluorene

Concen: 25.73 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

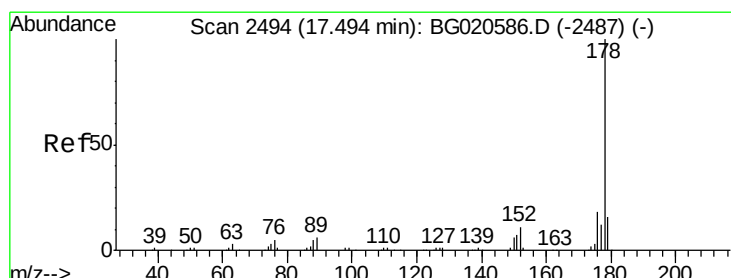
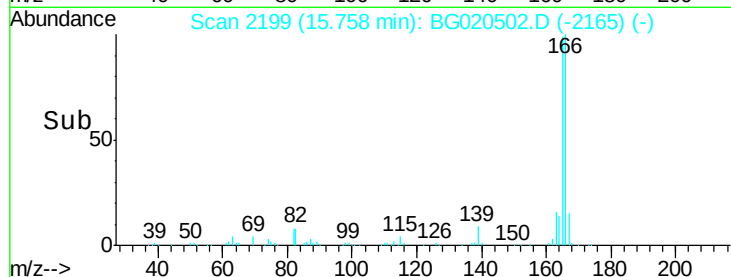
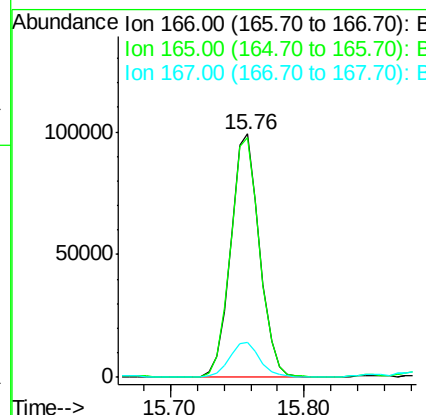
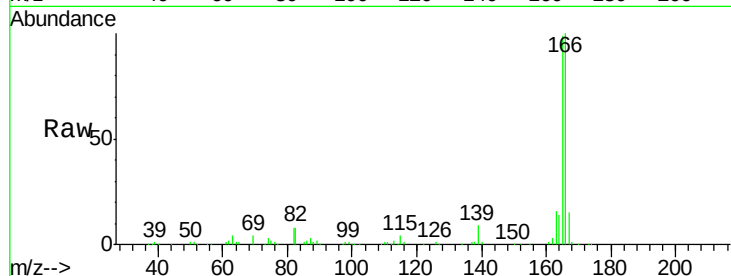
ClientSampleId :

D9N51MEDL

Tot Ion:	166	Resp:	149110
Ion Ratio		Lower	Upper
166	100		
165	98.6	81.4	122.0
167	14.5	11.2	16.8

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#70

Phenanthrene

Concen: 69.10 ng/ul

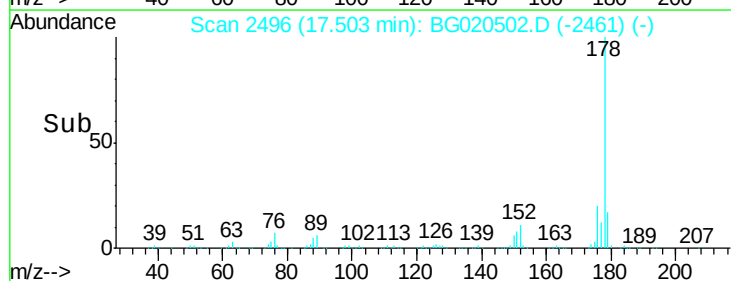
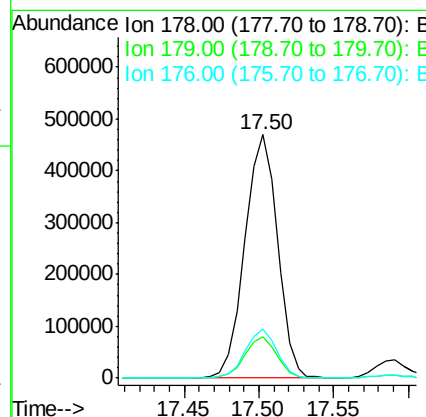
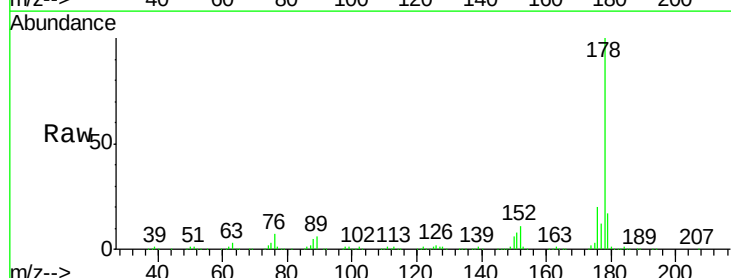
RT: 17.50 min Scan# 2496

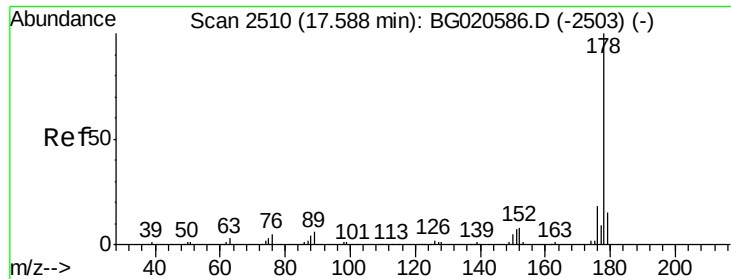
Delta R.T. 0.01 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Tgt Ion:	178	Resp:	708453
Ion Ratio		Lower	Upper
178	100		
179	17.0	12.9	19.3
176	20.2	15.3	22.9





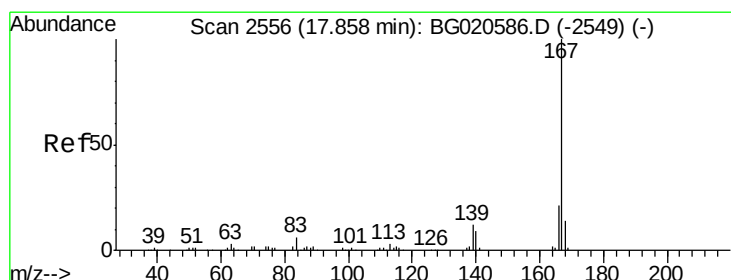
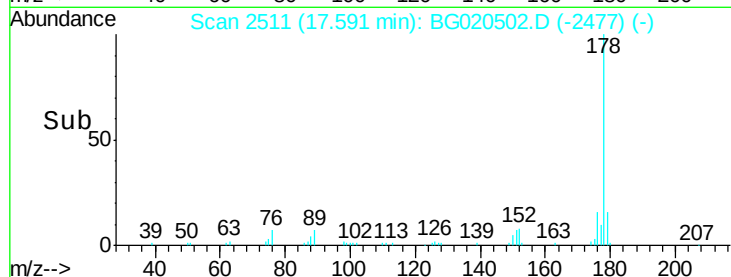
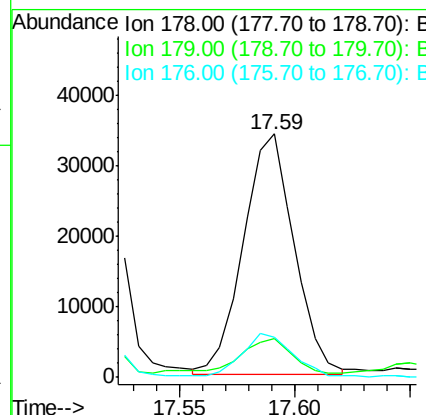
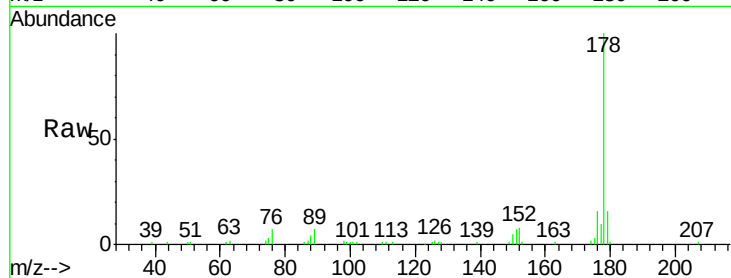
#72
 Anthracene
 Concen: 4.99 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	16.5	14.3	21.5

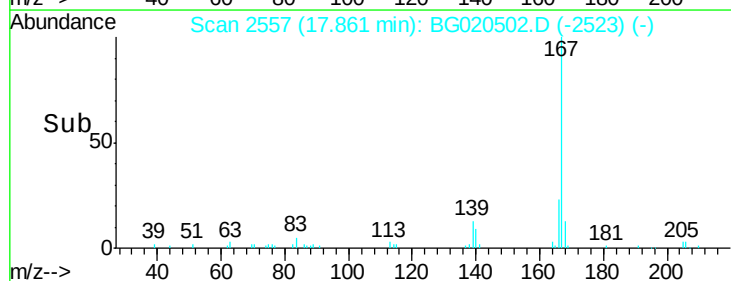
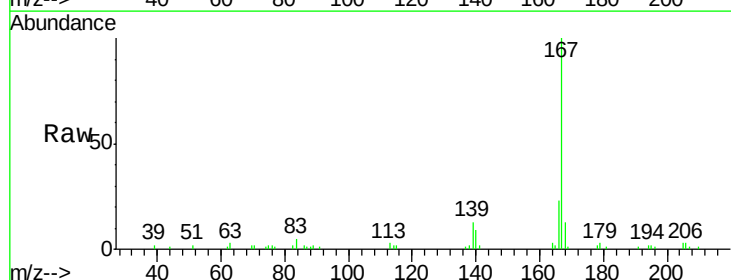
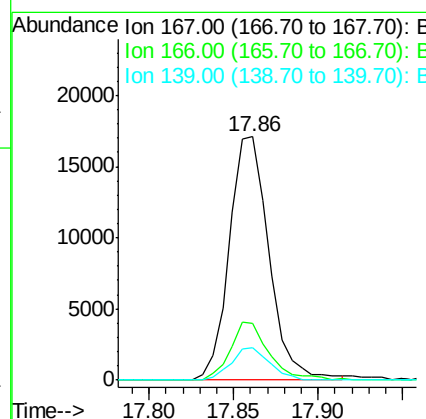
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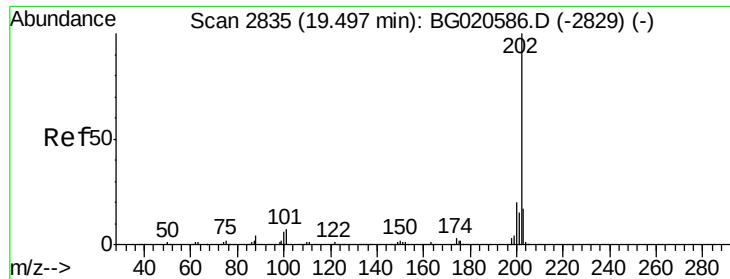
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#75
 Carbazole
 Concen: 3.17 ng/ul
 RT: 17.86 min Scan# 2557
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.0	25.6
139	13.2	10.1	15.1





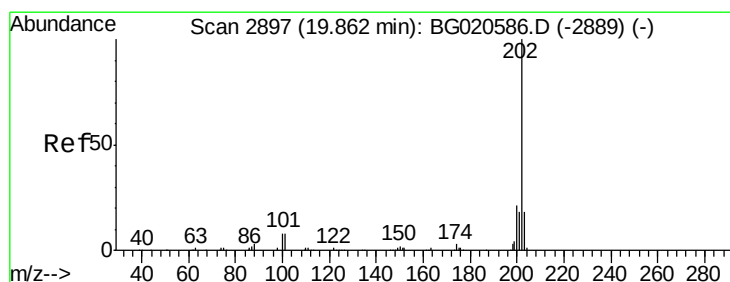
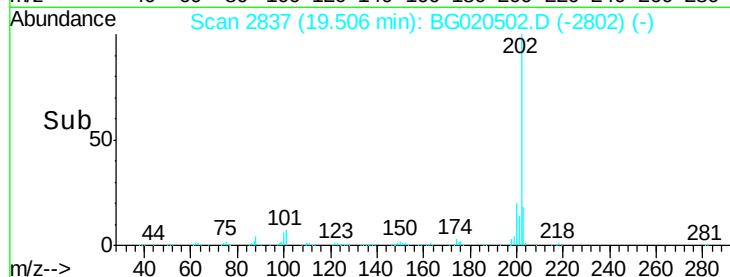
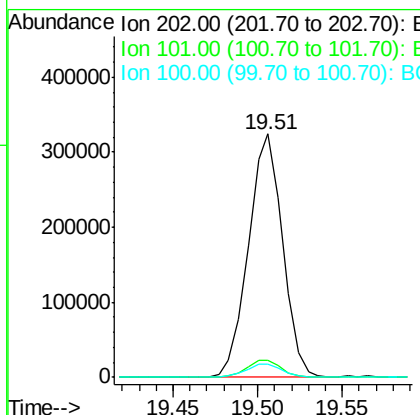
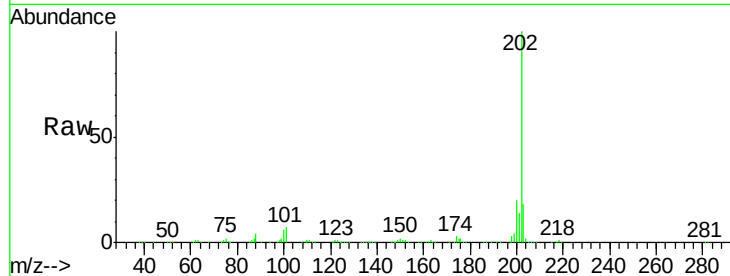
#77
Fluoranthene
Concen: 35.21 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. 0.01 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Instrument :
BNA_G
ClientSampleId :
D9N51MEDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.9	6.2	9.4
100	5.5	5.1	7.7

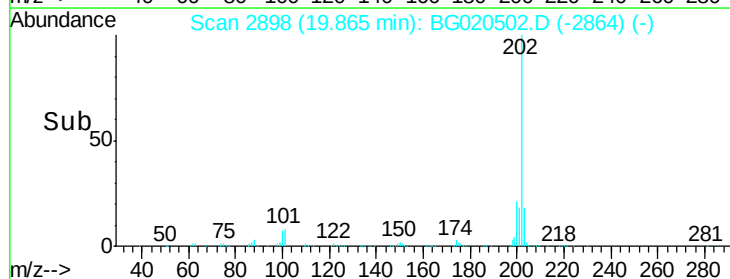
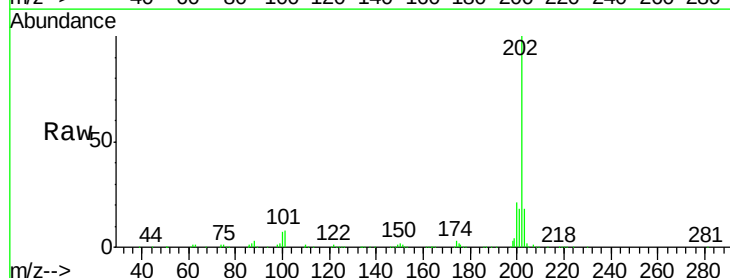
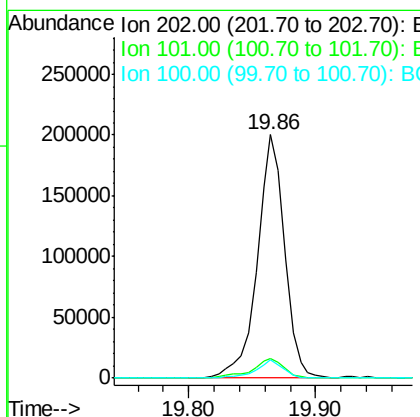
Manual Integrations
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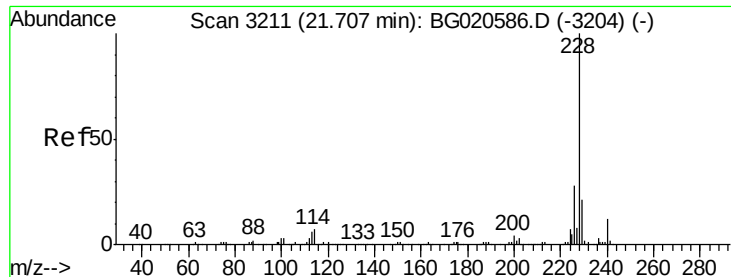
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#80
Pyrene
Concen: 22.96 ng/ul
RT: 19.86 min Scan# 2898
Delta R.T. -0.00 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	8.0	7.0	10.4
100	7.3	6.4	9.6





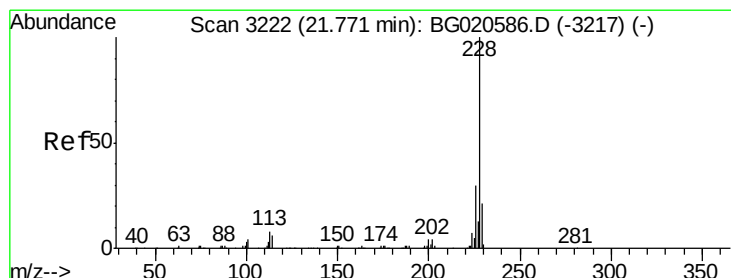
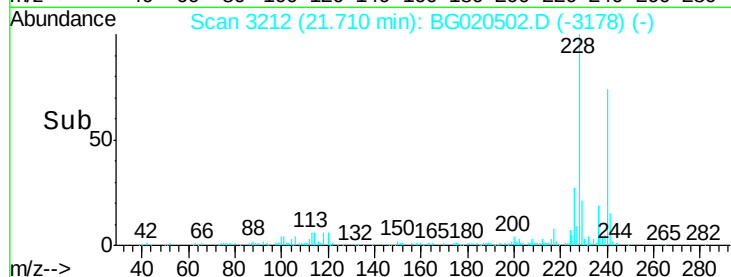
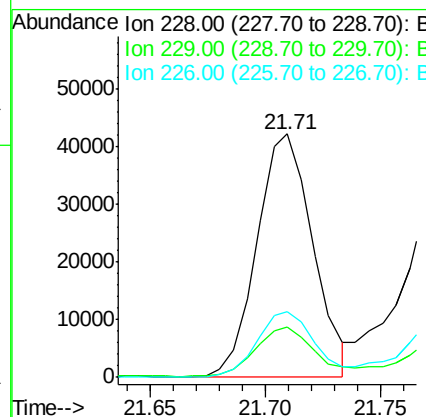
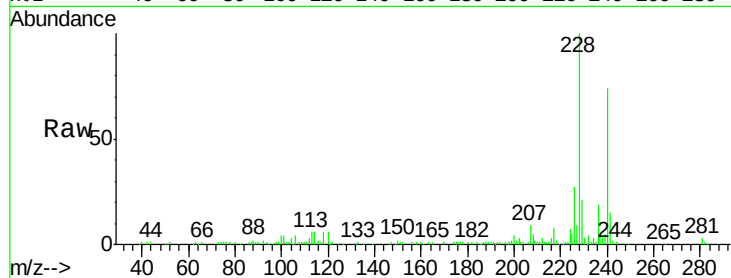
#83
Benzo(a)anthracene
Concen: 5.23 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. -0.00 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Instrument :
BNA_G
ClientSampleId :
D9N51MEDL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	27.2	21.8	32.6

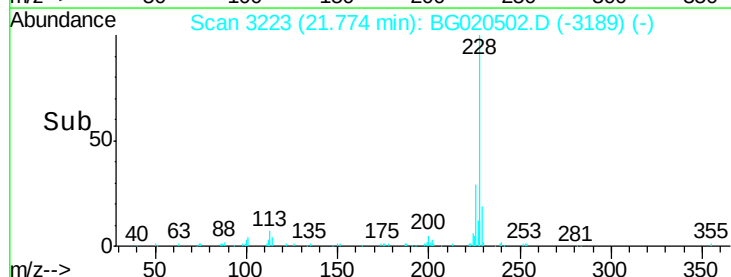
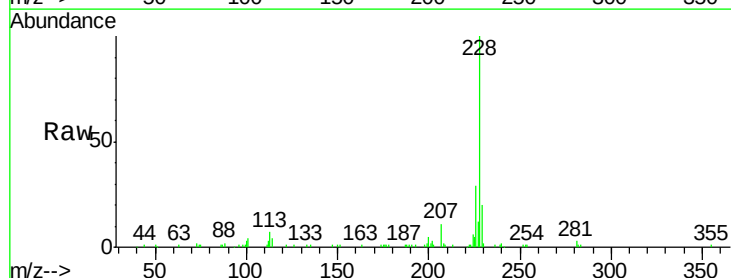
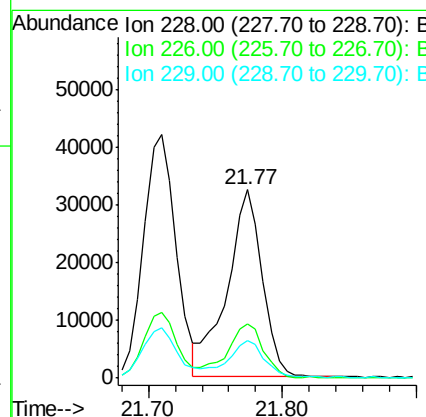
Manual Integrations
APPROVED

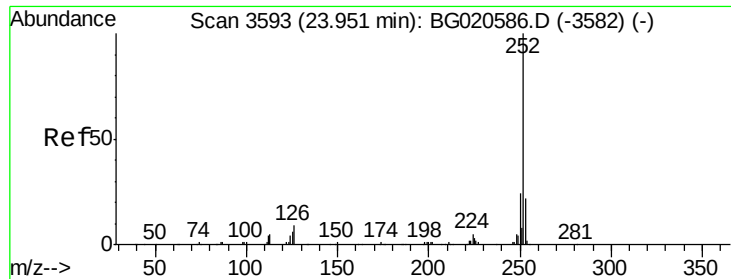
Sohil
12/28/2015 6:05:46 PM



#85
Chrysene
Concen: 4.63 ng/ul
RT: 21.77 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.9	15.6	23.4





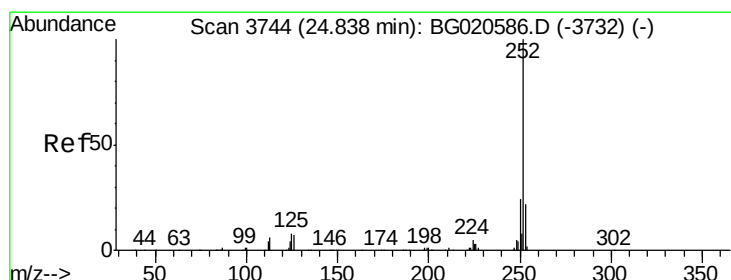
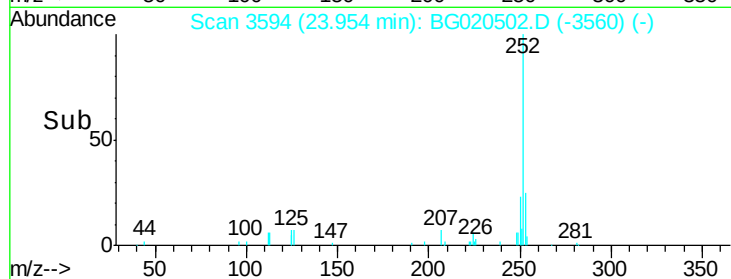
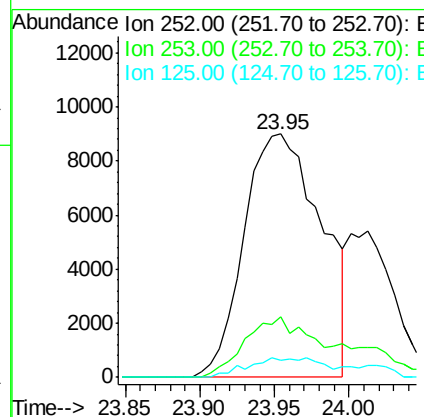
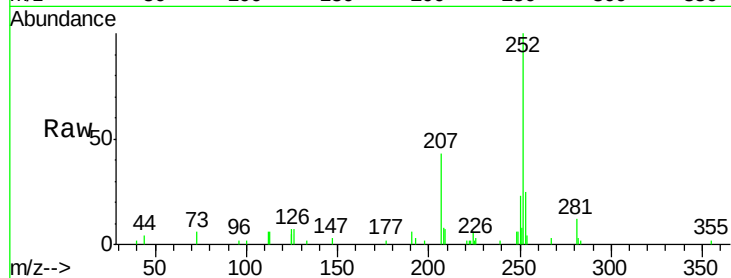
#88
Benzo(b)fluoranthene
Concen: 2.42 ng/ul
RT: 23.95 min Scan# 3594
Delta R.T. -0.00 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Instrument :
BNA_G
ClientSampleId :
D9N51MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.7	25.1
125	7.1	6.2	9.2

Manual Integrations
APPROVED

Sohil
12/28/2015 6:05:46 PM



#91
Benzo(a)pyrene
Concen: 1.38 ng/ul
RT: 24.83 min Scan# 3743
Delta R.T. -0.01 min
Lab File: BG020502.D
Acq: 25 Dec 2015 13:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	6.0	6.2	9.4#

