

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
 Data File : BG020155.D
 Acq On : 14 Dec 2015 14:58
 Operator : UM/SJ
 Sample : G4767-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N28

Manual Integrations
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Quant Time: Dec 15 04:04:40 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 15 03:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	22343	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	102763	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	73922	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	181342	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	203765	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	192117	20.00	ng/ul	0.00

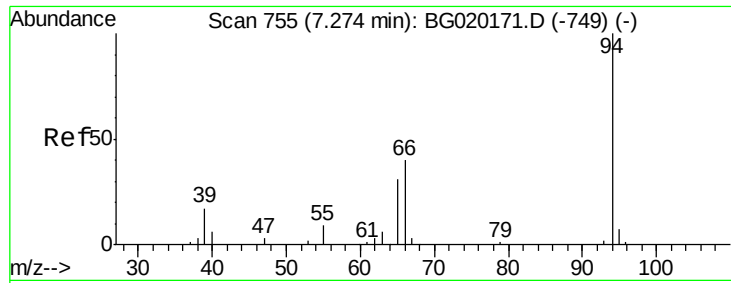
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	2469	6.10	ng/uL	0.00
5) Phenol-d5	7.25	99	62203	31.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	40110	34.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	47214	32.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	54492	32.34	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	26246	32.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	32027	35.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	57005	31.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	73625	36.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	196942	32.94	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	227197	32.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	34616	32.28	ng/ul	0.00
58) Fluorene-d10	15.72	176	172336	31.78	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	33893	31.53	ng/ul	0.00
71) Anthracene-d10	17.57	188	277196	33.17	ng/ul	0.00
79) Pyrene-d10	19.85	212	317831	33.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	333031	34.75	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.27	94	2312	1.10 ng/ul	90
28) Naphthalene	10.97	128	571963	106.58 ng/ul	97
34) 2-Methylnaphthalene	12.56	142	162638	39.68 ng/ul	95
35) 1-Methylnaphthalene	12.78	142	77454	19.65 ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	62802	11.26 ng/ul	95
45) Dimethylphthalate	14.17	163	79347	12.99 ng/ul	99
48) Acenaphthylene	14.45	152	16198	2.19 ng/ul#	96
50) Acenaphthene	14.80	153	268150	53.92 ng/ul	99
54) Dibenzofuran	15.13	168	276743	37.41 ng/ul	98
59) Fluorene	15.78	166	278173	46.83 ng/ul	96
70) Phenanthrene	17.52	178	1200054	120.98 ng/ul	95
72) Anthracene	17.61	178	183158	18.21 ng/ul	99
75) Carbazole	17.87	167	107329	12.70 ng/ul	99
77) Fluoranthene	19.52	202	655321	56.53 ng/ul	100
80) Pyrene	19.88	202	436996	35.43 ng/ul	99
83) Benzo(a)anthracene	21.72	228	94761	7.97 ng/ul	98
85) Chrysene	21.79	228	79407	7.09 ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	40105	3.47 ng/ul	95
89) Benzo(k)fluoranthene	24.02	252	16481m	1.49 ng/ul	
91) Benzo(a)pyrene	24.86	252	23871	2.18 ng/ul	97

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



#6

Phenol

Concen: 1.10 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020155.D

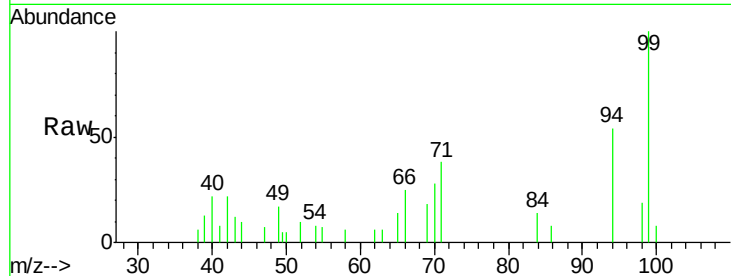
Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

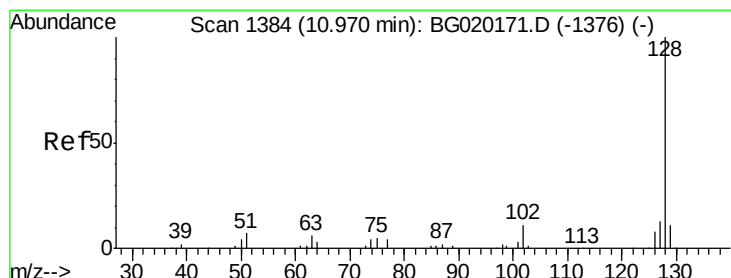
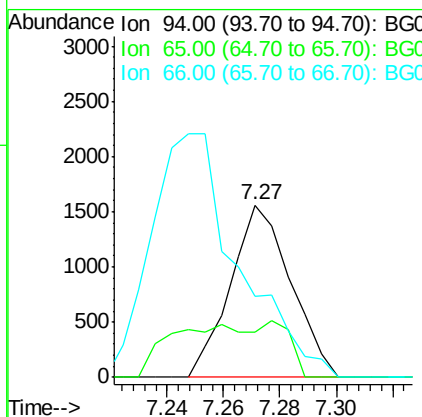
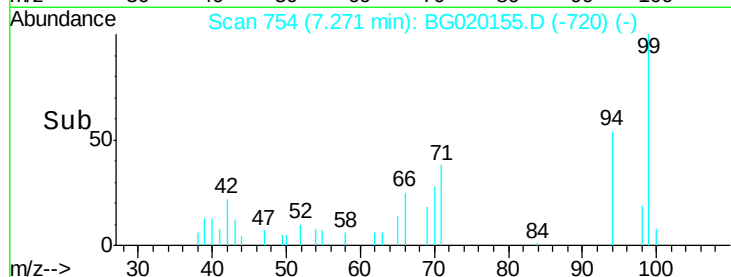
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Tgt Ion:	94	Resp:	2312
Ion Ratio	Lower	Upper	
94	100		
65	26.5	26.3	39.5
66	46.9	33.3	49.9

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#28

Naphthalene

Concen: 106.58 ng/ul

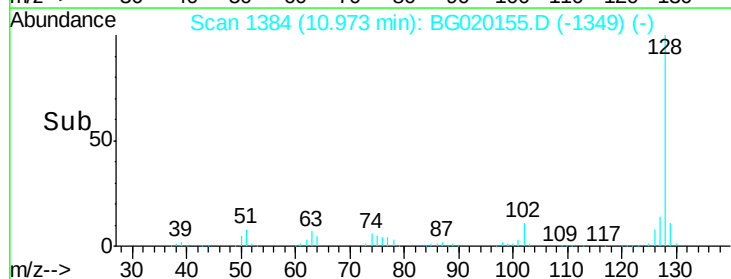
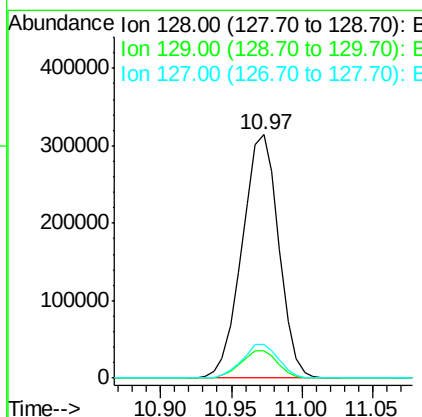
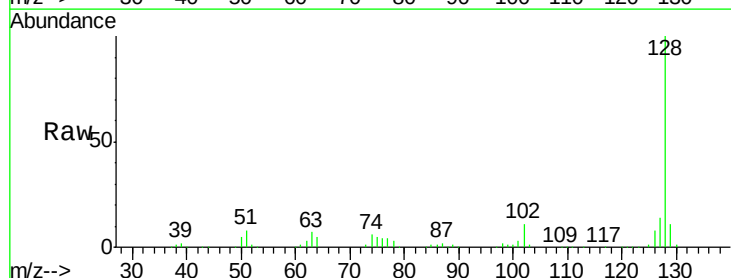
RT: 10.97 min Scan# 1384

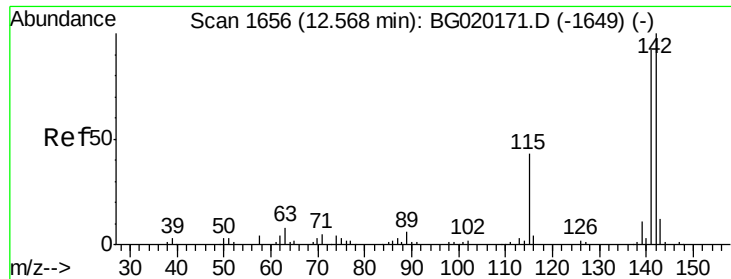
Delta R.T. 0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Tgt Ion:	128	Resp:	571963
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	12.8
127	13.9	10.1	15.1





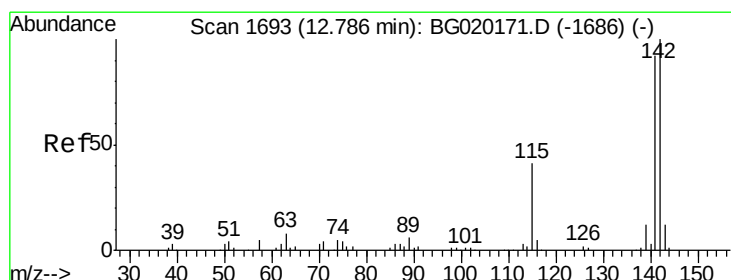
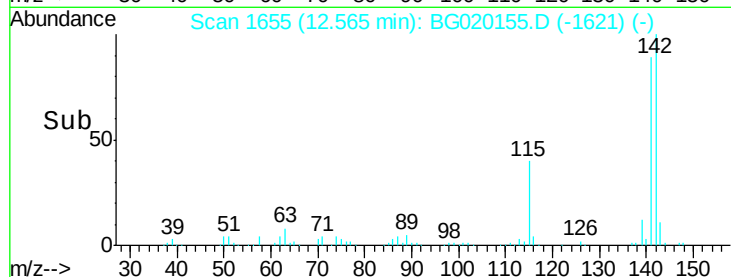
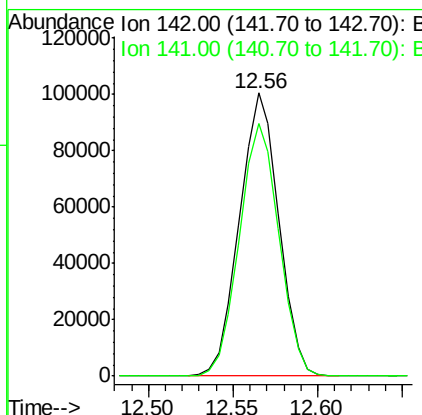
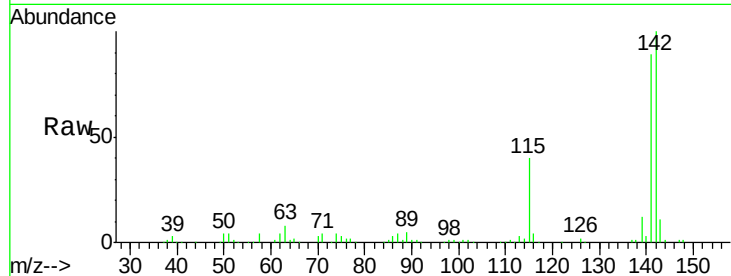
#34
 2-Methylnaphthalene
 Concen: 39.68 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Instrument :
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 ClientSampleId :
 D9N28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	162638		
141	89.1	74.9	112.3	

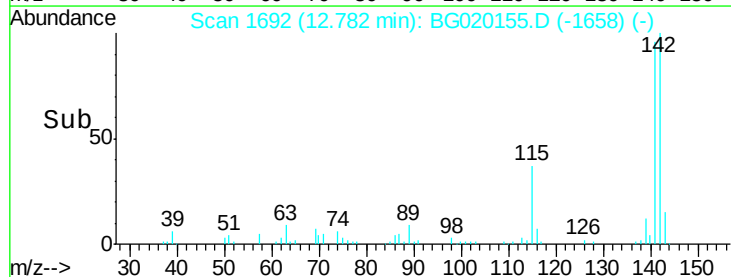
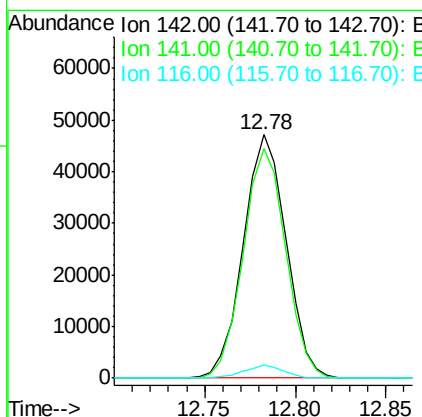
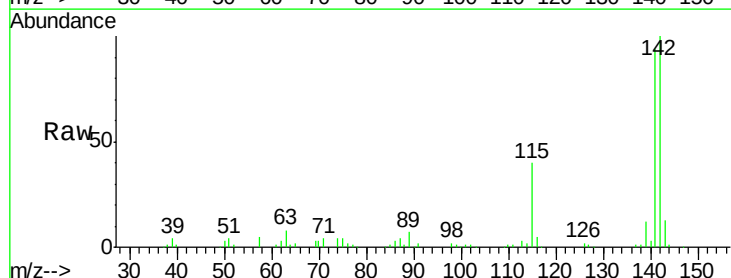
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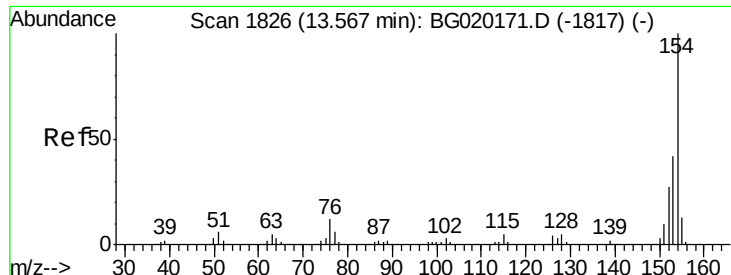
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#35
 1-Methylnaphthalene
 Concen: 19.65 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG020155.D
 Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	77454		
141	94.1	73.0	109.6	
116	5.2	3.0	4.6#	





#41

1,1'-Biphenyl

Concen: 11.26 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BG020155.D

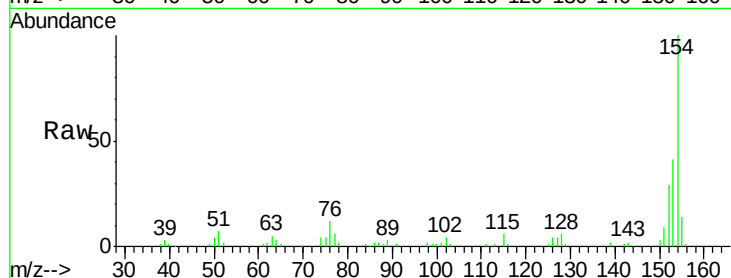
Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampled :

D9N28



Tgt Ion:154 Resp: 62802

Ion Ratio Lower Upper

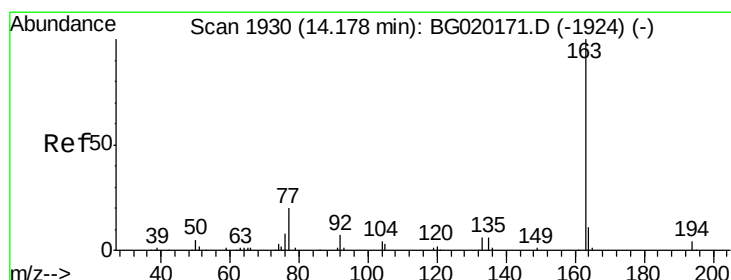
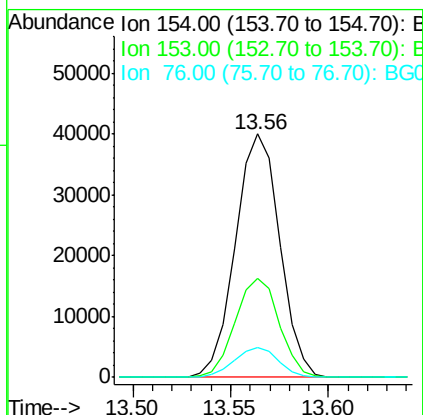
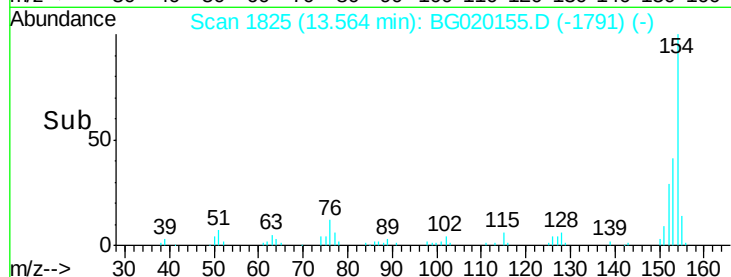
154 100

153 40.8 35.5 53.3

76 12.2 10.4 15.6

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#45

Dimethylphthalate

Concen: 12.99 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

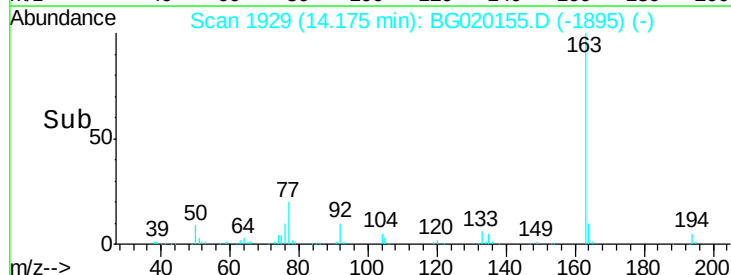
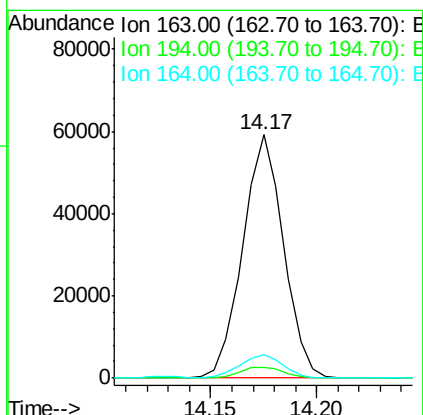
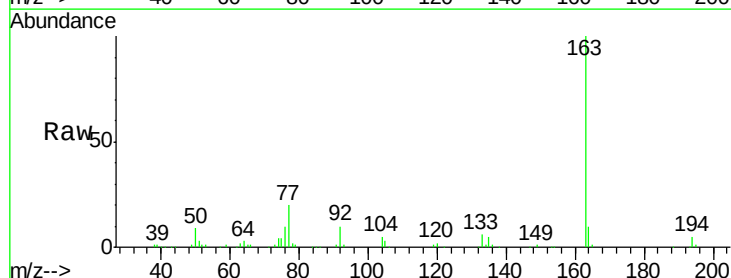
Tgt Ion:163 Resp: 79347

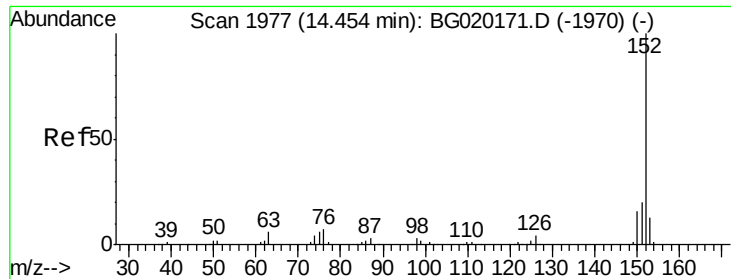
Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 9.8 7.7 11.5





#48

Acenaphthylene

Concen: 2.19 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020155.D

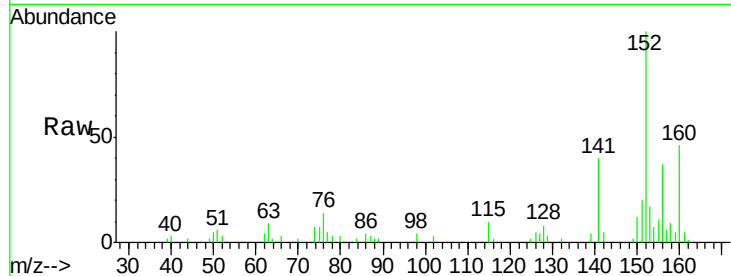
Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

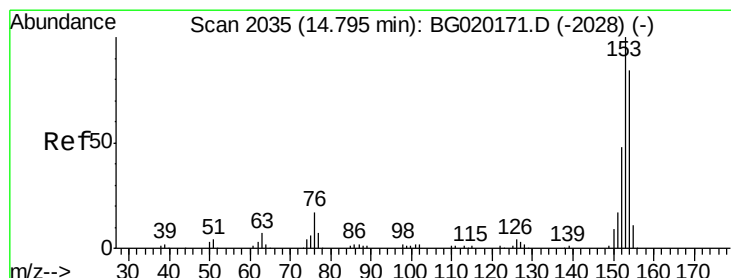
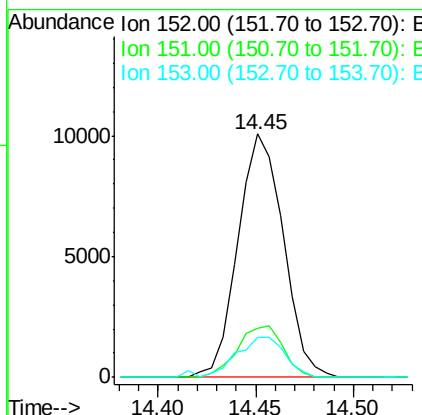
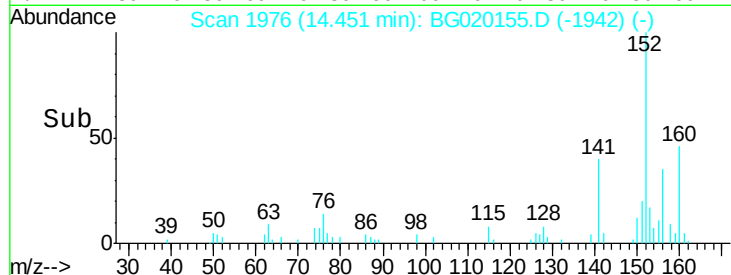
D9N28



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	16198		
151	20.1	16.4	24.6	
153	16.6	10.4	15.6	

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#50

Acenaphthene

Concen: 53.92 ng/ul

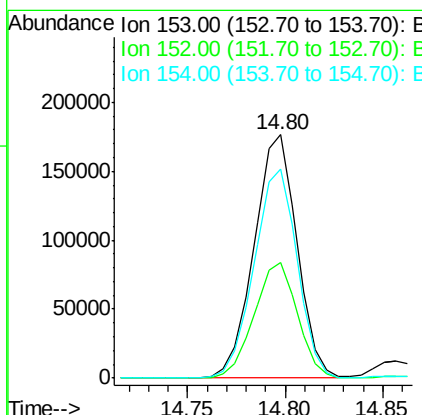
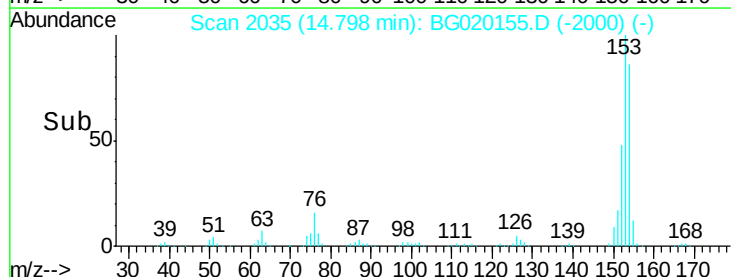
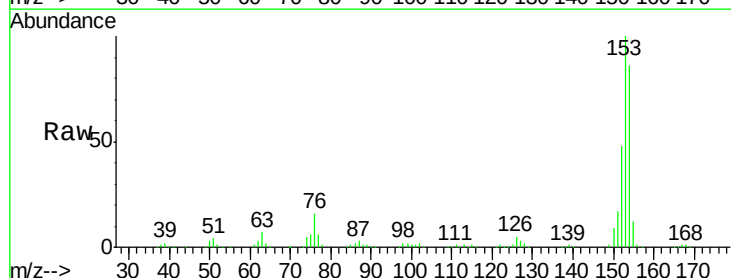
RT: 14.80 min Scan# 2035

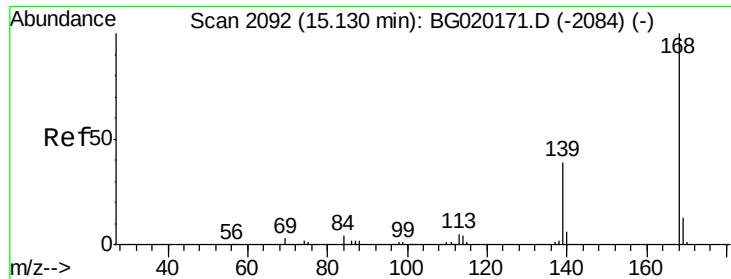
Delta R.T. 0.00 min

Lab File: BG020155.D

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Tgt Ion	Ratio	Resp	Lower	Upper
153	100	268150		
152	47.5	37.6	56.4	
154	85.8	67.9	101.9	





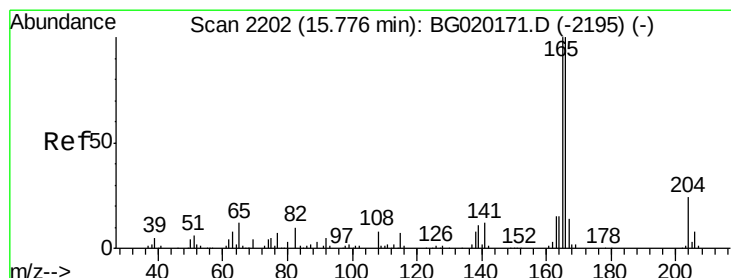
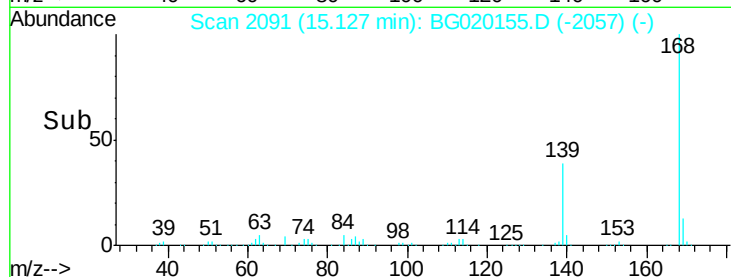
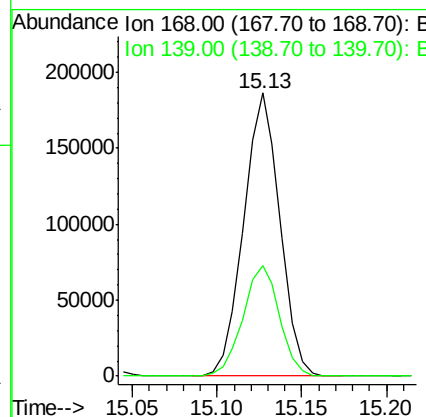
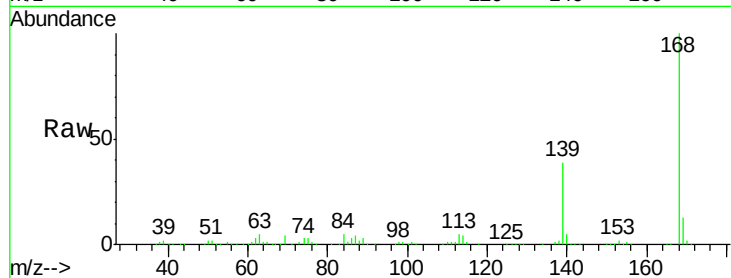
#54
Dibenzenofuran
Concen: 37.41 ng/ul
RT: 15.13 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
168	100	276743		
139	39.1	30.5	45.7	

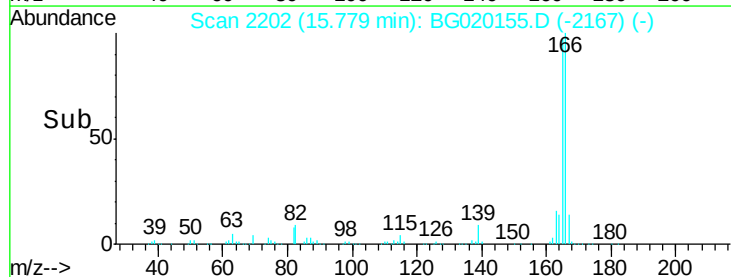
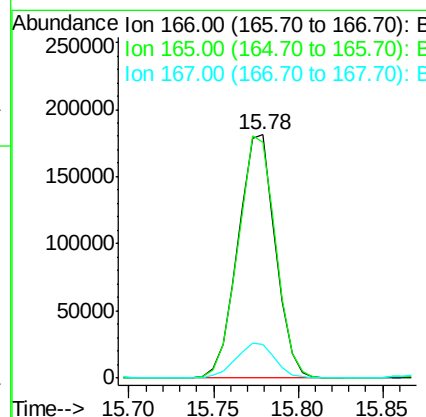
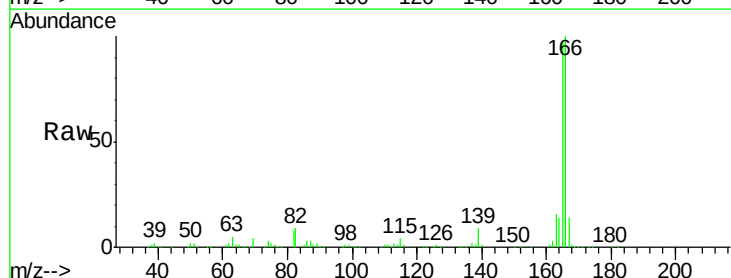
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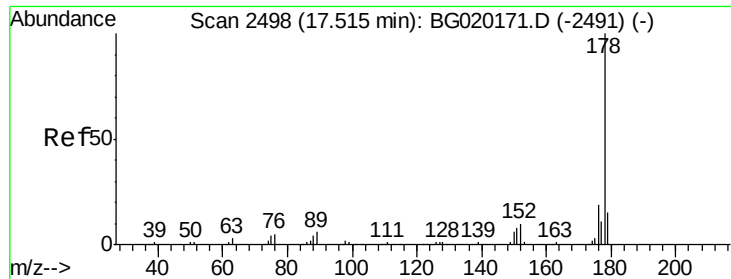
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#59
Fluorene
Concen: 46.83 ng/ul
RT: 15.78 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	278173		
165	96.9	81.4	122.0	
167	13.8	11.2	16.8	





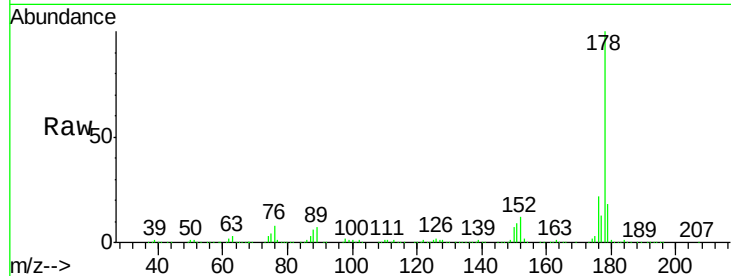
#70
Phenanthrene
Concen: 120.98 ng/ul
RT: 17.52 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Instrument :
BNA_G
ClientSampleId :
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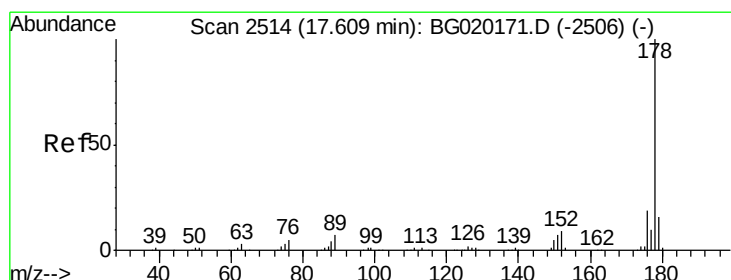
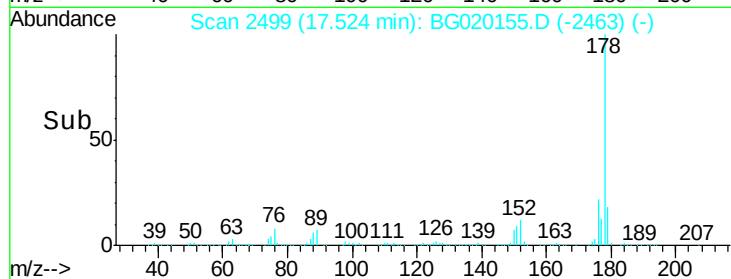
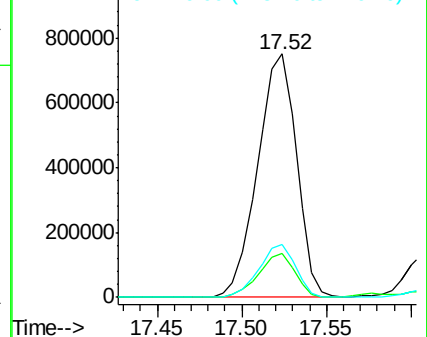
Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.9	19.3
176	21.8	15.3	22.9

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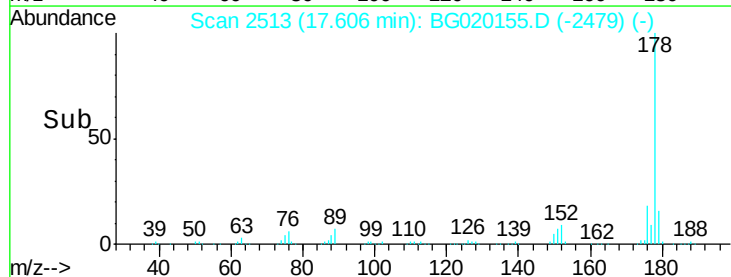
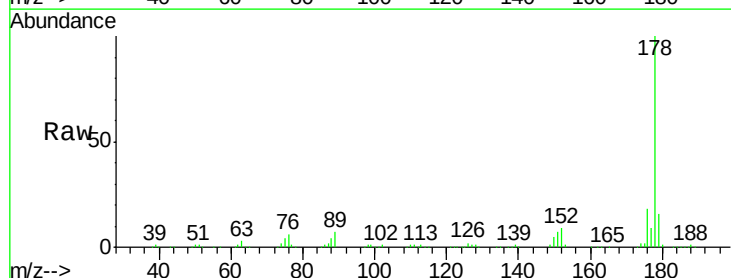
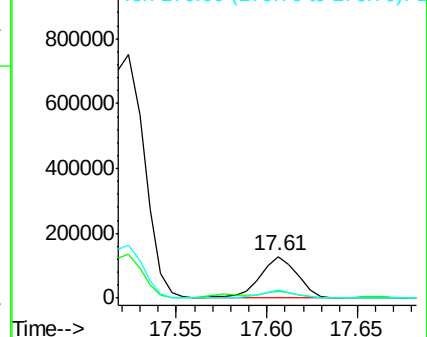
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

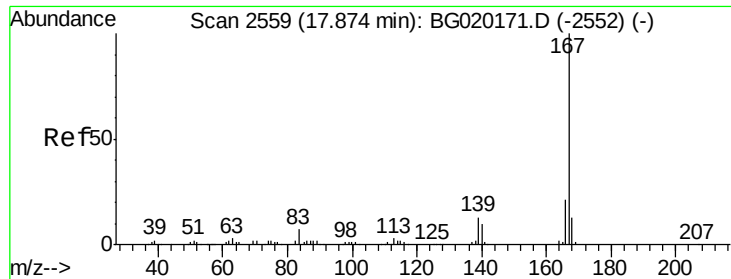


#72
Anthracene
Concen: 18.21 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	18.5	14.3	21.5

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: 12.70 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020155.D

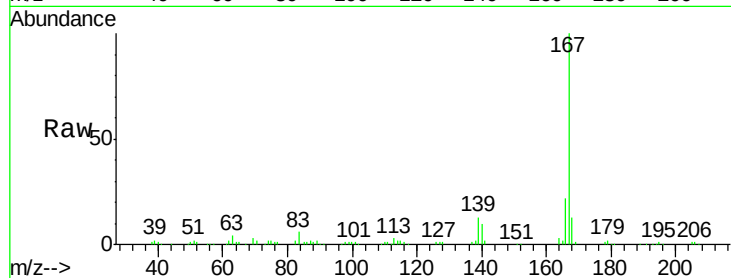
Acq: 14 Dec 2015 14:58

Instrument :

BNA_G

ClientSampleId :

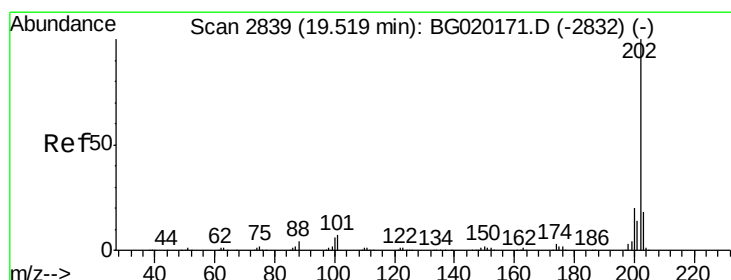
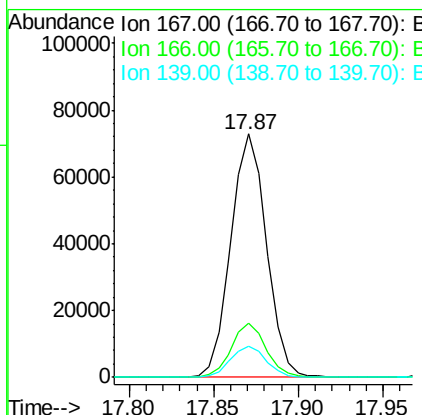
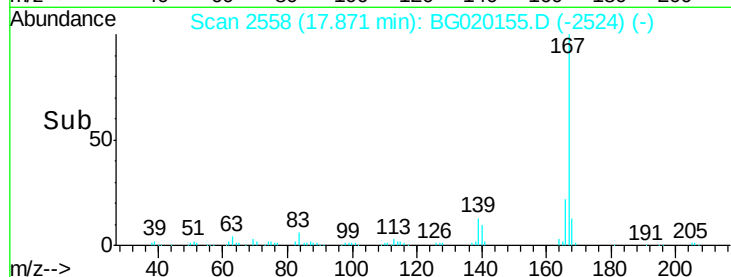
D9N28



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	107329		
166	22.3	17.0	25.6	
139	12.5	10.1	15.1	

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#77

Fluoranthene

Concen: 56.53 ng/ul

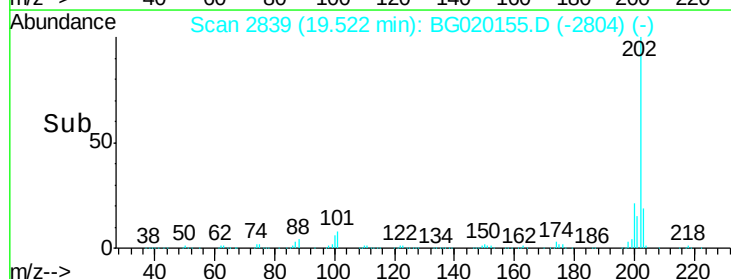
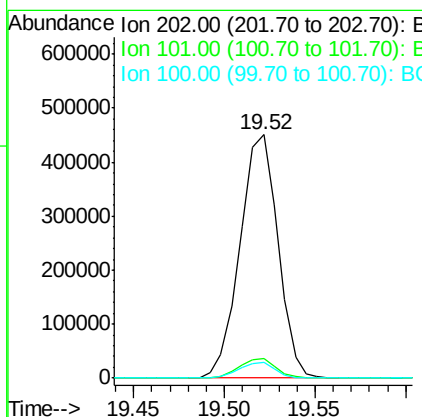
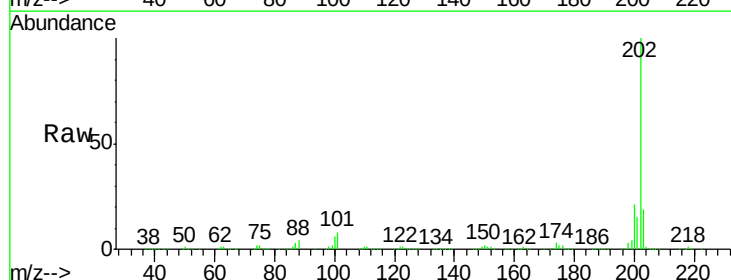
RT: 19.52 min Scan# 2839

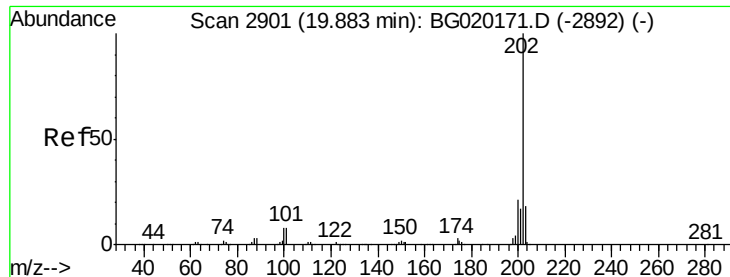
Delta R.T. 0.00 min

Lab File: BG020155.D

Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	655321		
101	7.9	6.2	9.4	
100	6.3	5.1	7.7	





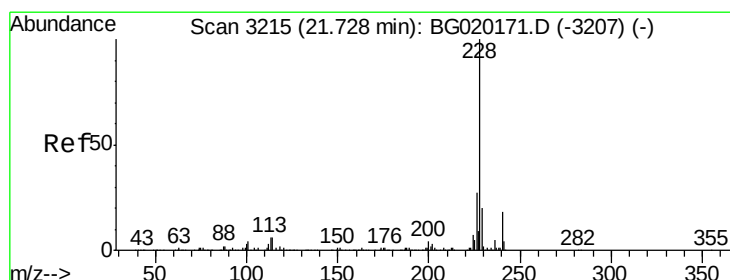
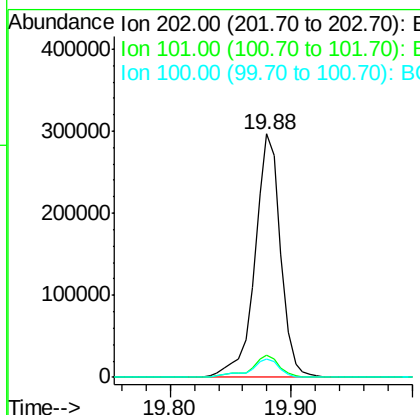
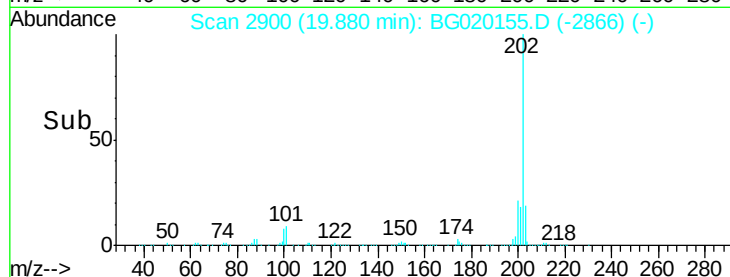
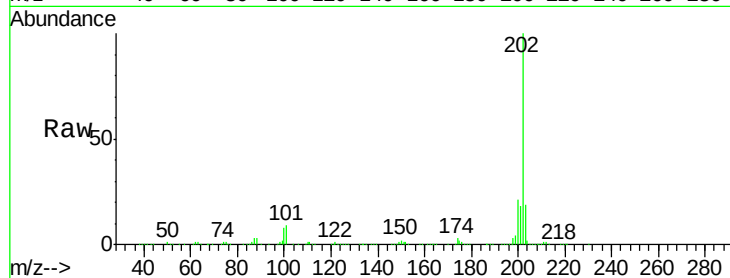
#80
Pyrene
Concen: 35.43 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Instrument :
BNA_G
ClientSampleId :
D9N28

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.1	7.0	10.4
100	7.8	6.4	9.6

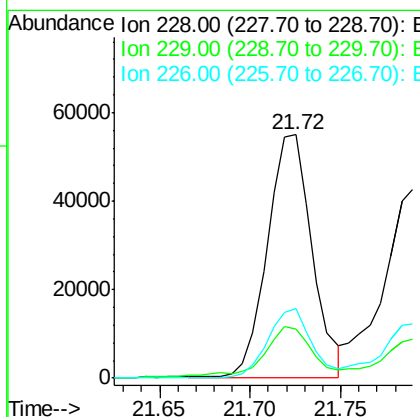
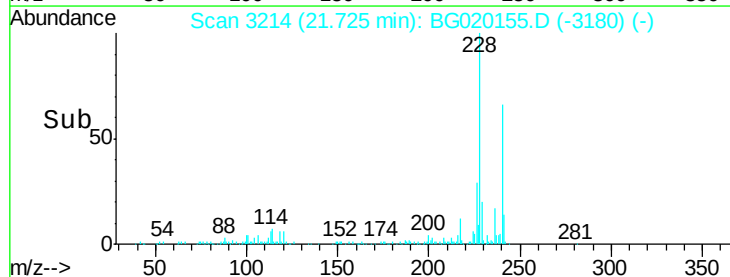
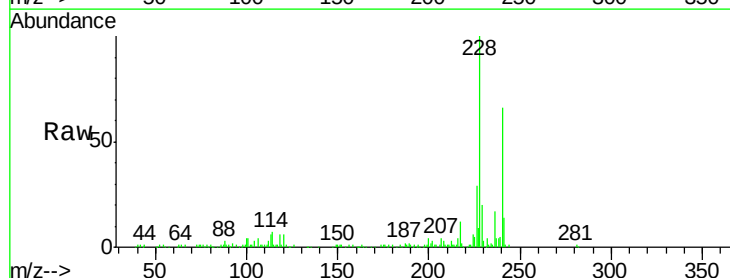
Manual Integrations
APPROVED

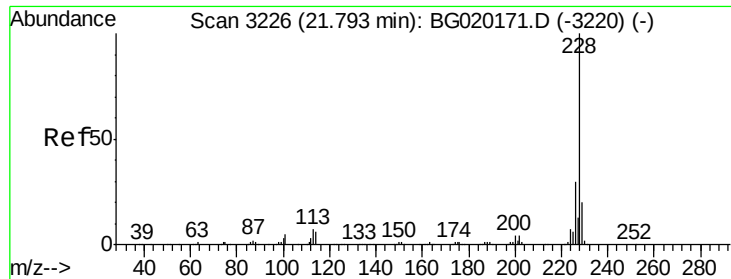
MMdadoda
12/15/2015 6:12:11 PM



#83
Benzo(a)anthracene
Concen: 7.97 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.3	15.8	23.8
226	28.7	21.8	32.6





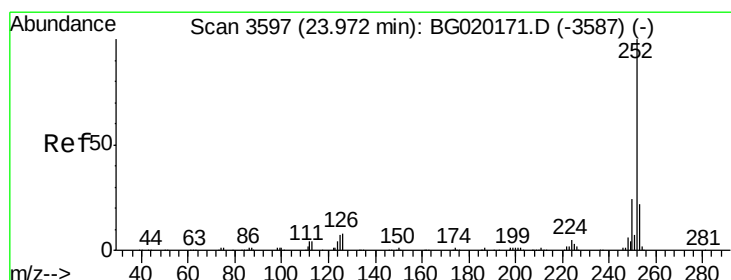
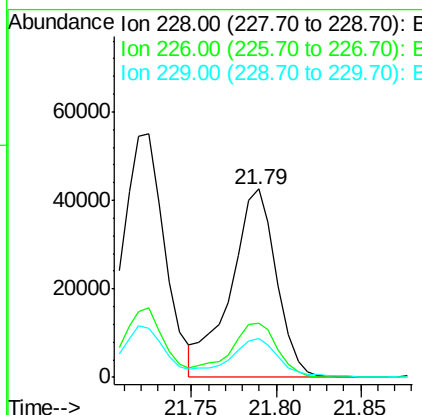
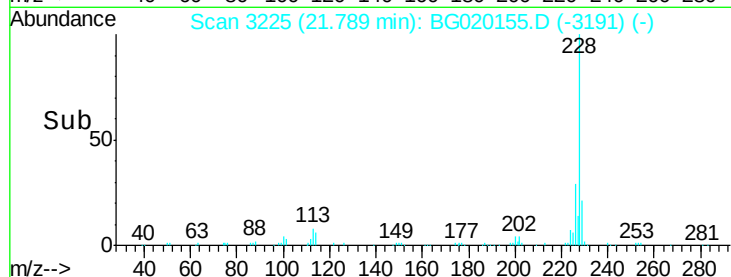
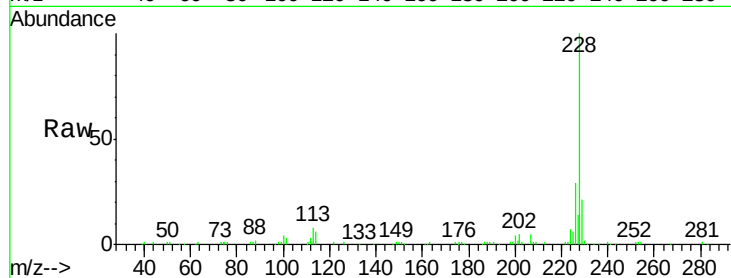
#85
Chrysene
Concen: 7.09 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Instrument :
BNA_G
ClientSampleId :
D9N28

Tgt Ion:	228	Resp:	79407
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.9	35.9
229	20.6	15.6	23.4

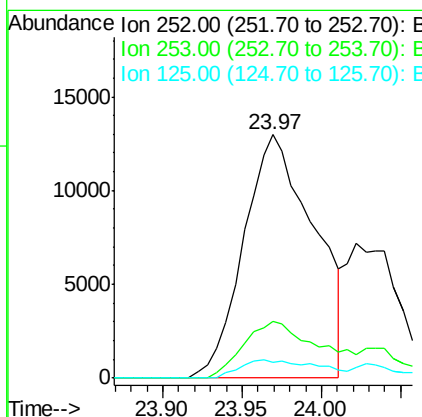
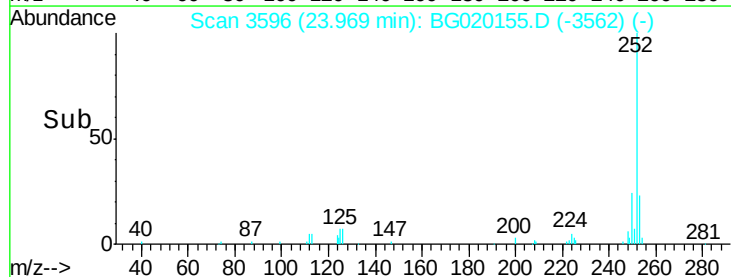
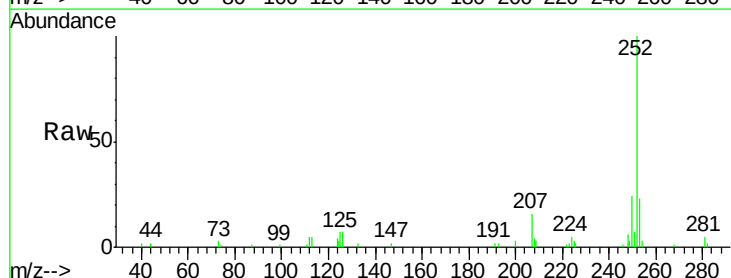
Manual Integrations
APPROVED

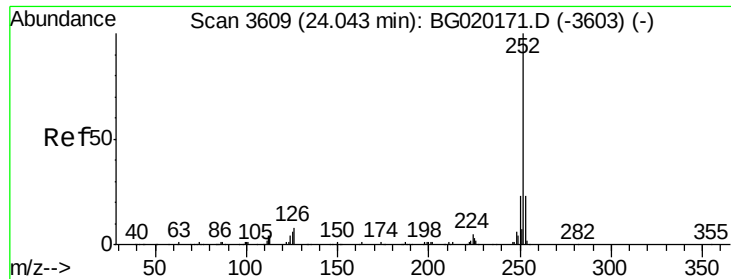
MMdadoda
12/15/2015 6:12:11 PM



#88
Benzo(b)fluoranthene
Concen: 3.47 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion:	252	Resp:	40105
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.7	25.1
125	6.7	6.2	9.2





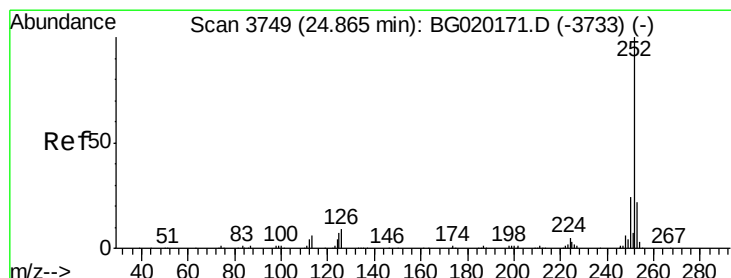
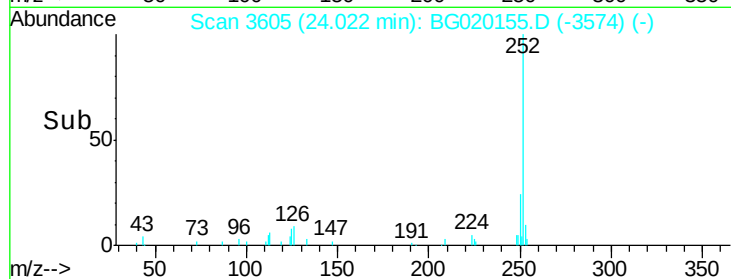
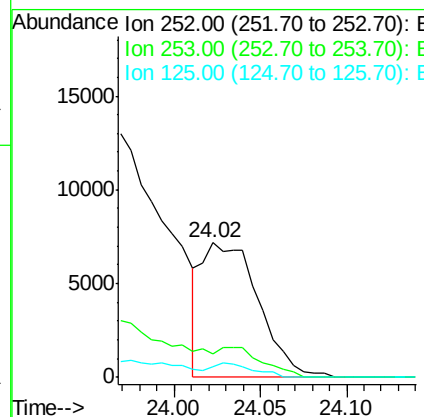
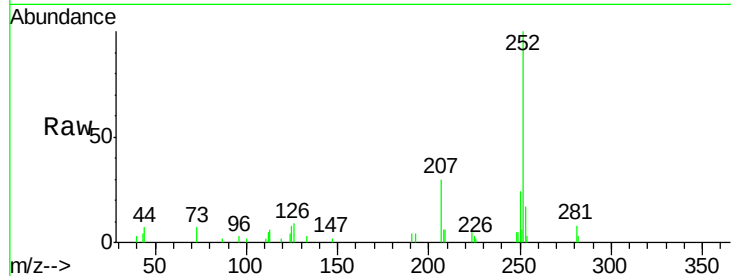
#89
Benzo(k)fluoranthene
Concen: 1.49 ng/ul m
RT: 24.02 min Scan# 3605
Delta R.T. -0.02 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Instrument :
BNA_G
ClientSampleId :
D9N28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	16481		
253	17.5	17.9	26.9#	
125	7.5	5.8	8.6	

Manual Integrations
APPROVED

MMdadoda
12/15/2015 6:12:11 PM



#91
Benzo(a)pyrene
Concen: 2.18 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. -0.00 min
Lab File: BG020155.D
Acq: 14 Dec 2015 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	23871		
253	19.5	17.0	25.4	
125	7.2	6.2	9.4	

