

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
 Data File : BG020290.D
 Acq On : 19 Dec 2015 00:46
 Operator : UM/SJ
 Sample : G4768-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35

Manual Integrations
 APPROVED

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 12/22/2015 12:35:24 PM

Quant Time: Dec 19 04:45:51 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	85937	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.73	164	60504	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	142204	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	190373	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	179693	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	596	1.64	ng/uL	0.00
5) Phenol-d5	7.24	99	11287	6.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	32718	31.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	32922	25.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	22195	14.68	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22708	33.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25388	34.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	42856	28.38	ng/ul	0.01
29) 4-Chloroaniline-d4	11.10	131	12629m	7.45	ng/ul	0.06
44) Dimethylphthalate-d6	14.13	166	157550	32.19	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	180851	31.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5786	6.59	ng/ul	0.00
58) Fluorene-d10	15.72	176	143653	32.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24455	29.01	ng/ul	0.00
71) Anthracene-d10	17.57	188	225225	34.37	ng/ul	0.00
79) Pyrene-d10	19.85	212	274023	30.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	309431	34.52	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	11.03	128	7688890	1713.30	ng/ul#	49
34) 2-Methylnaphthalene	12.58	142	1603218	467.69	ng/ul	100
35) 1-Methylnaphthalene	12.80	142	992809	301.26	ng/ul#	96
41) 1,1'-Biphenyl	13.56	154	473796	103.80	ng/ul	97
48) Acenaphthylene	14.45	152	164530	27.20	ng/ul	98
50) Acenaphthene	14.81	153	1740358	427.60	ng/ul	93
54) Dibenzofuran	15.13	168	1453987	240.15	ng/ul	90
59) Fluorene	15.79	166	1206552	248.16	ng/ul	98
70) Phenanthrene	17.53	178	2026987m	260.59	ng/ul	
72) Anthracene	17.61	178	191465m	24.27	ng/ul	
75) Carbazole	17.88	167	1432067	216.03	ng/ul	93
77) Fluoranthene	19.52	202	373220	41.06	ng/ul	98
80) Pyrene	19.88	202	217049	18.84	ng/ul	98
83) Benzo(a)anthracene	21.72	228	11227	1.01	ng/ul	95

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

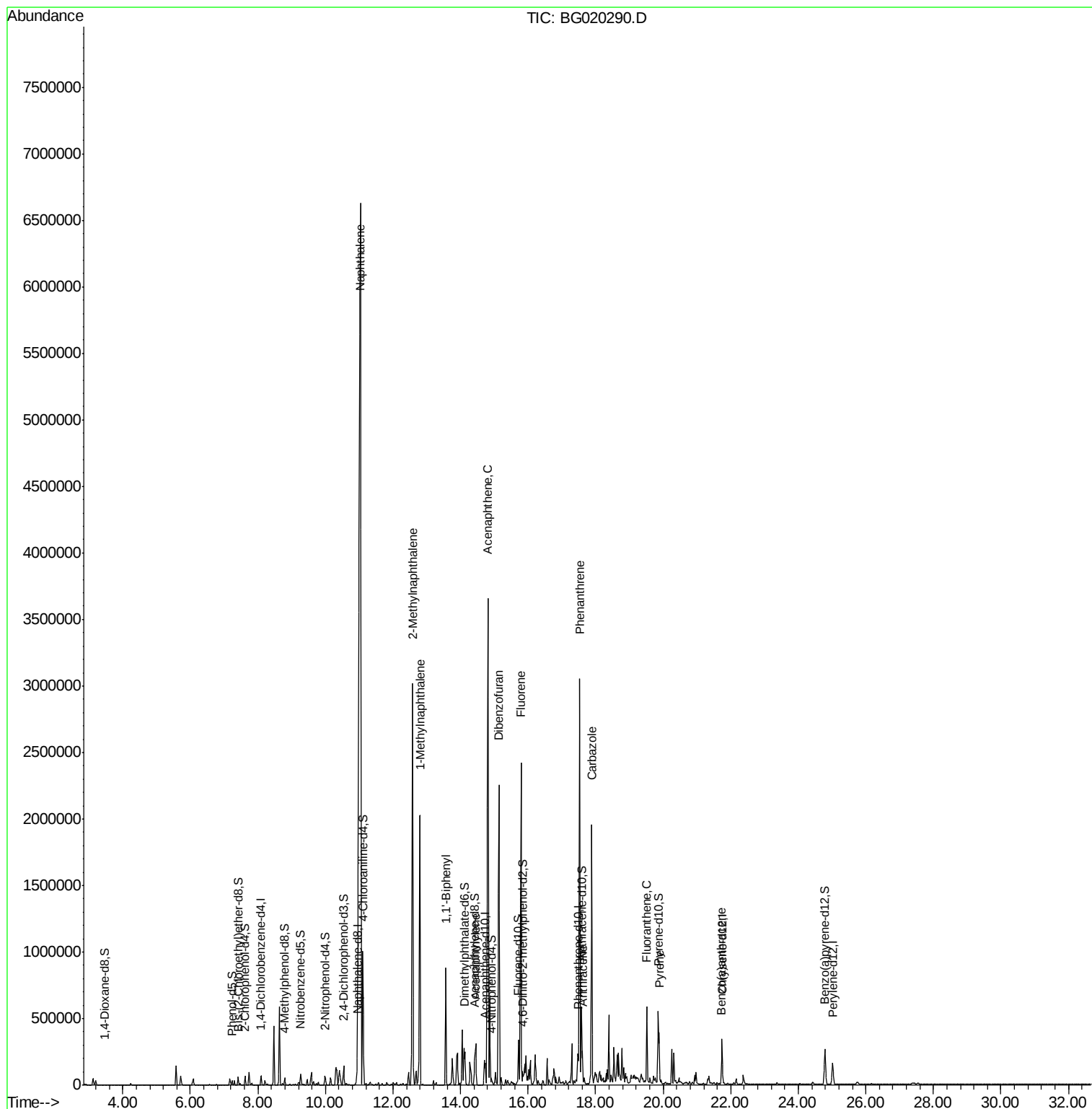
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020290.D
Acq On : 19 Dec 2015 00:46
Operator : UM/SJ
Sample : G4768-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

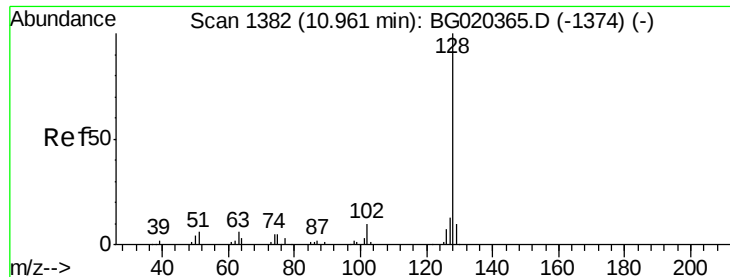
Instrument :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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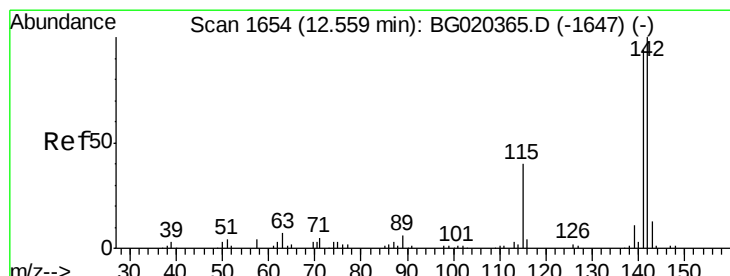
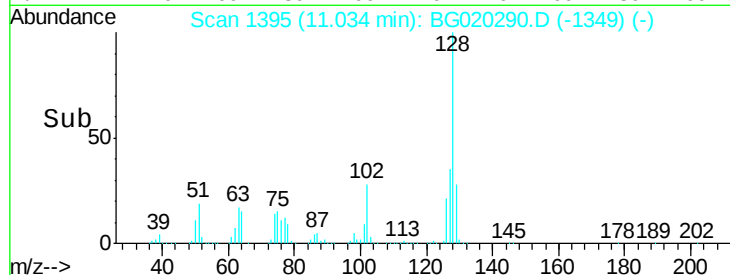
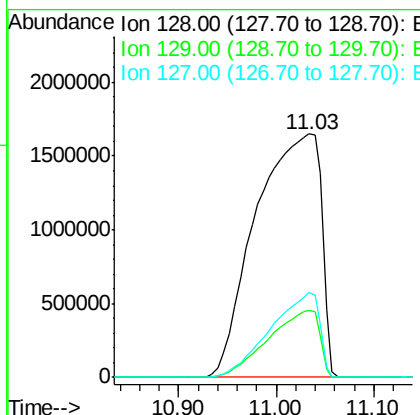
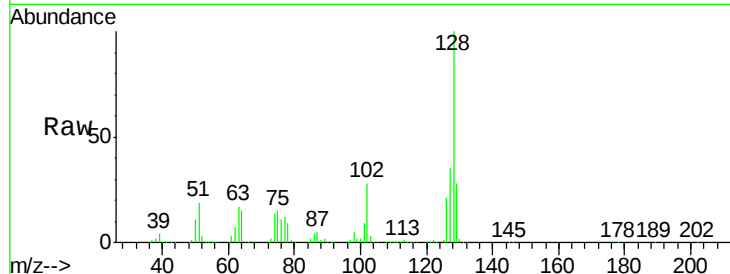
#28
Naphthalene
Concen: 1713.30 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.07 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Instrument :
BNA_G
ClientSampleId :
D9N35

Tot Ion:128 Resp: 7688890
Ion Ratio Lower Upper
128 100
129 27.8 8.6 12.8#
127 34.6 10.1 15.1#

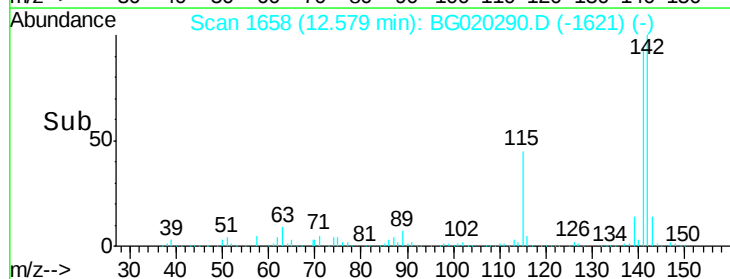
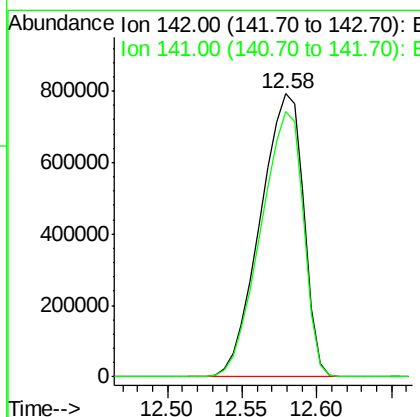
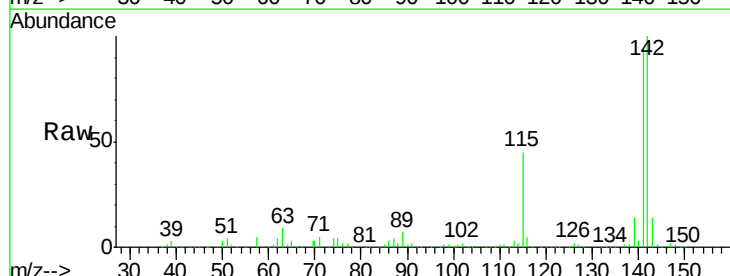
Manual Integrations
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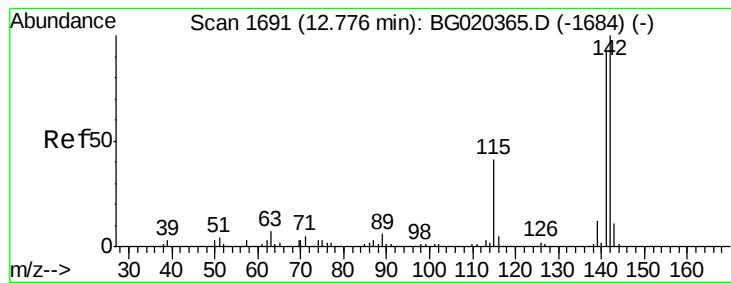
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#34
2-Methylnaphthalene
Concen: 467.69 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Tgt Ion:142 Resp: 1603218
Ion Ratio Lower Upper
142 100
141 93.6 74.9 112.3





#35

1-Methylnaphthalene

Concen: 301.26 ng/ul

RT: 12.80 min Scan# 1695

Delta R.T. 0.02 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35

Tot Ion:142 Resp: 992809

Ion Ratio Lower Upper

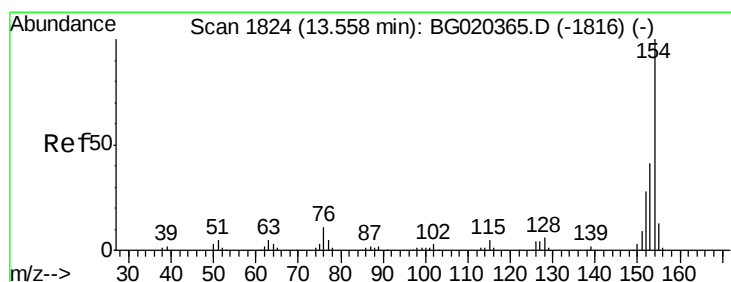
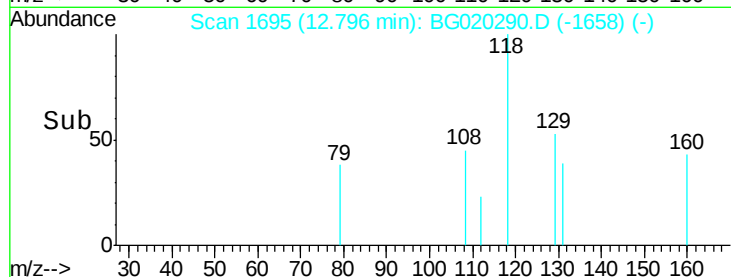
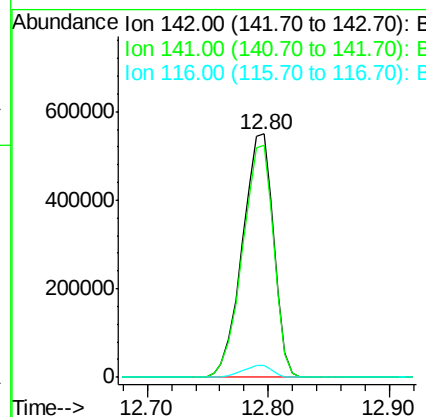
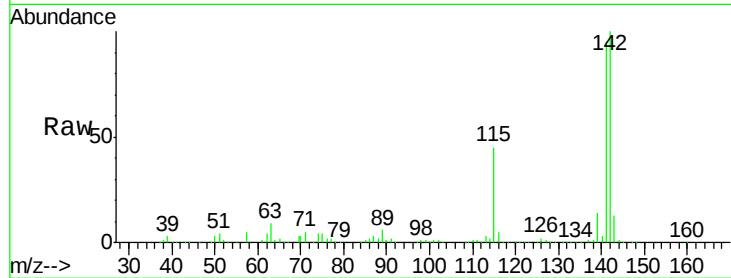
142 100

141 95.4 73.0 109.6

116 4.9 3.0 4.6#

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#41

1,1'-Biphenyl

Concen: 103.80 ng/ul

RT: 13.56 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

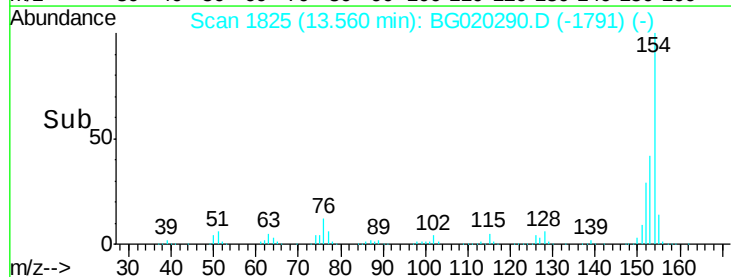
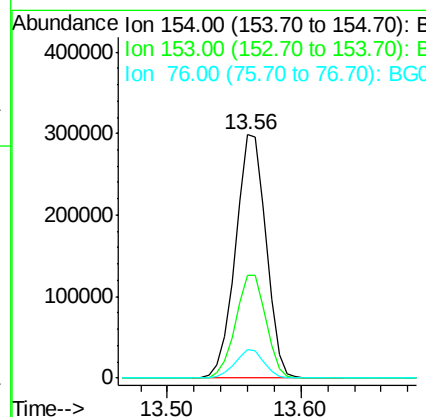
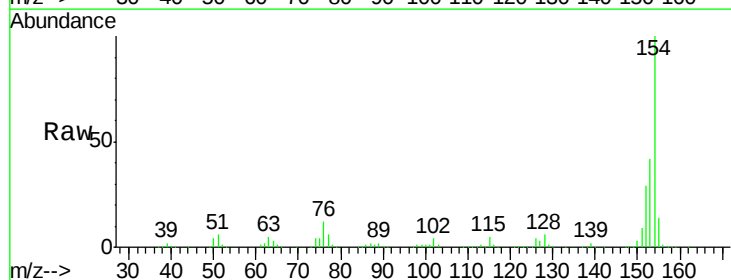
Tgt Ion:154 Resp: 473796

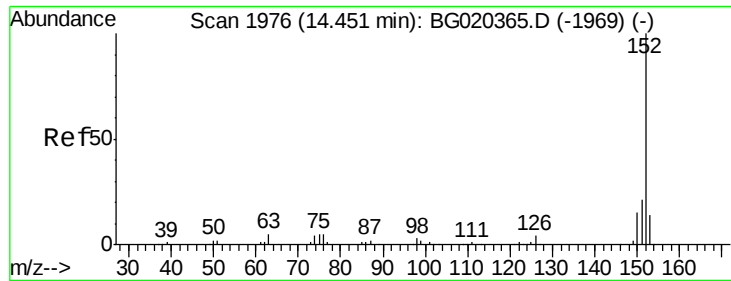
Ion Ratio Lower Upper

154 100

153 42.1 35.5 53.3

76 11.8 10.4 15.6





#48

Acenaphthylene

Concen: 27.20 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG020290.D

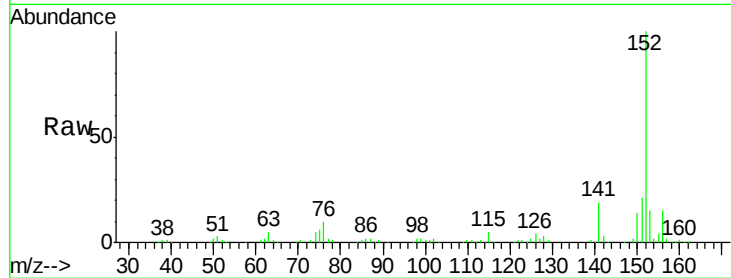
Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

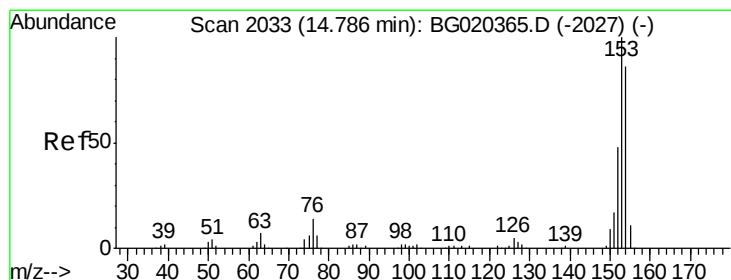
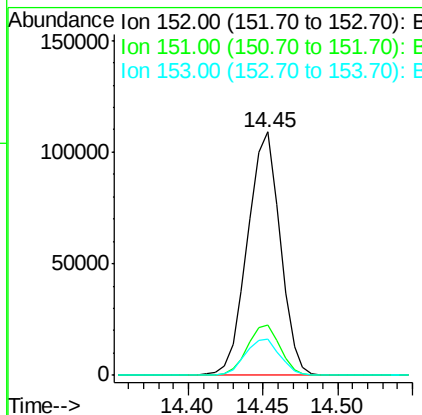
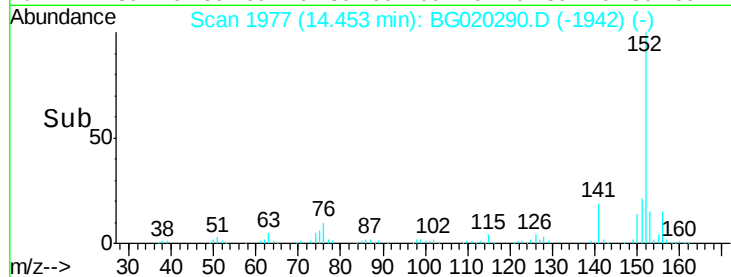
D9N35



Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		164530		
151	20.6	16.4	24.6		
153	15.0	10.4	15.6		

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#50

Acenaphthene

Concen: 427.60 ng/ul

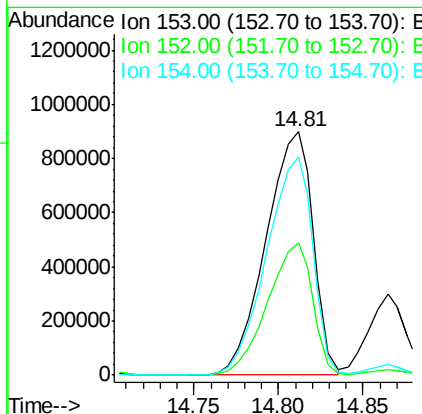
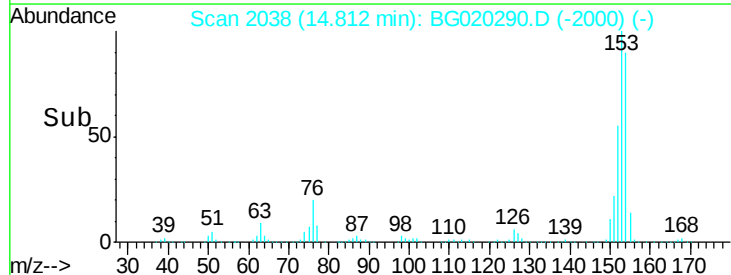
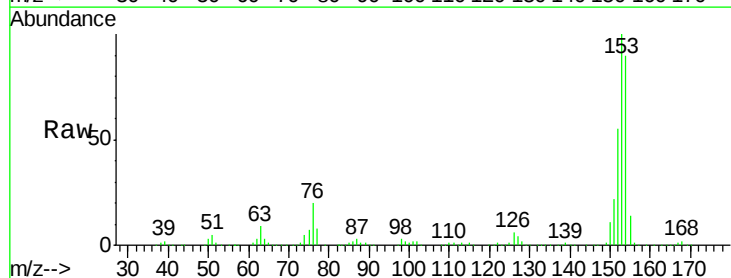
RT: 14.81 min Scan# 2038

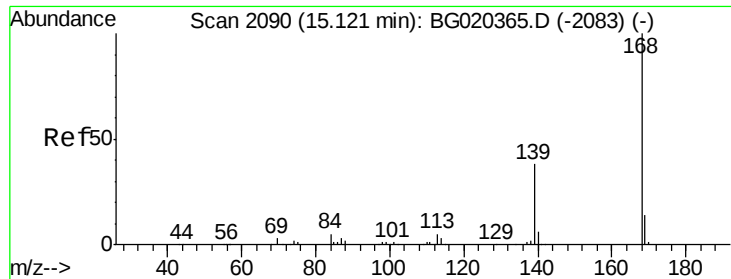
Delta R.T. 0.02 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
153	100		1740358		
152	54.6	37.6	56.4		
154	89.7	67.9	101.9		





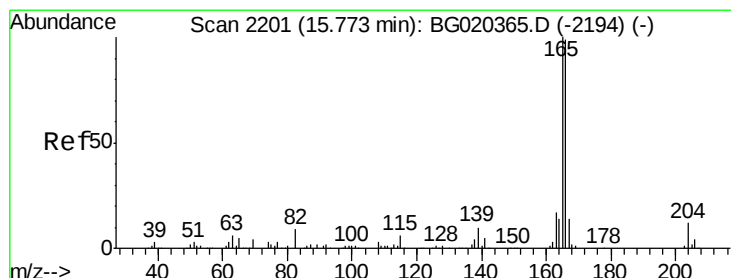
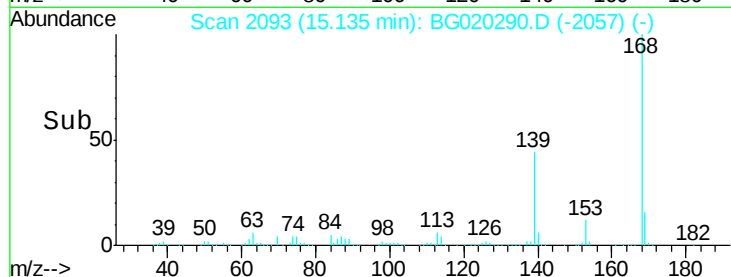
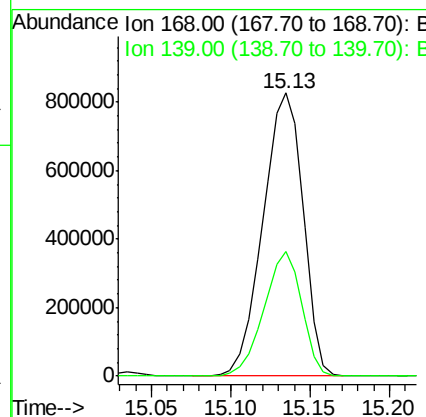
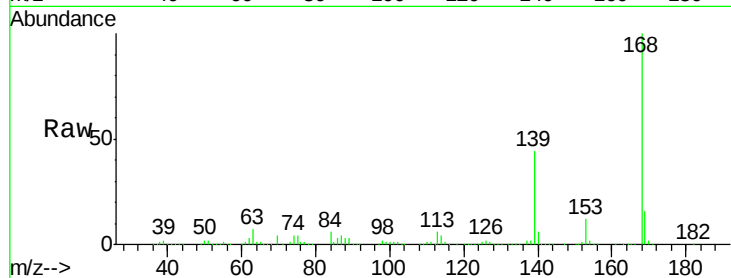
#54
Dibenzenofuran
Concen: 240.15 ng/ul
RT: 15.13 min Scan# 2093
Delta R.T. 0.01 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Instrument :
BNA_G
ClientSampleId :
D9N35

Tot Ion:168 Resp: 1453987
Ion Ratio Lower Upper
168 100
139 44.0 30.5 45.7

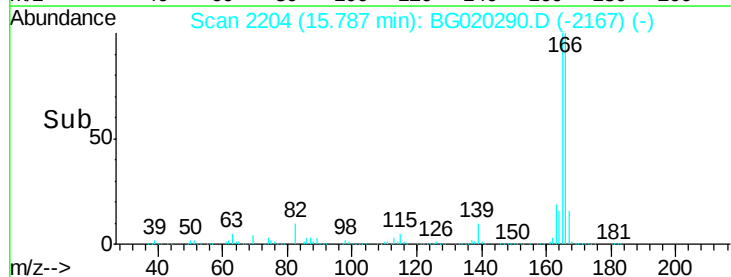
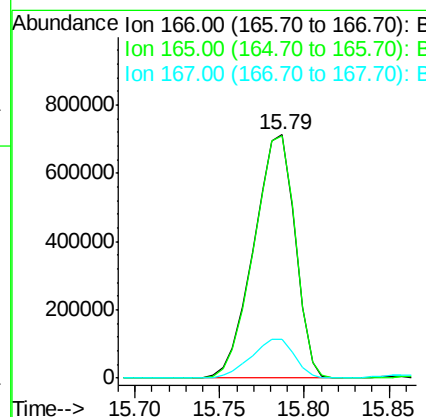
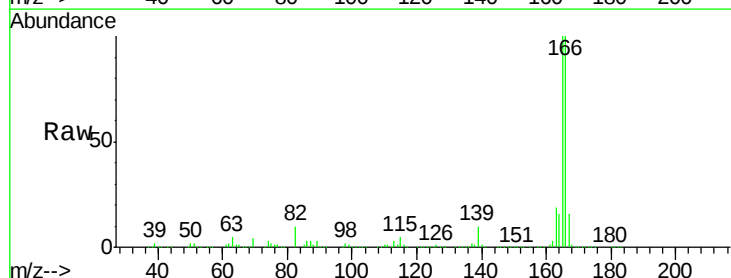
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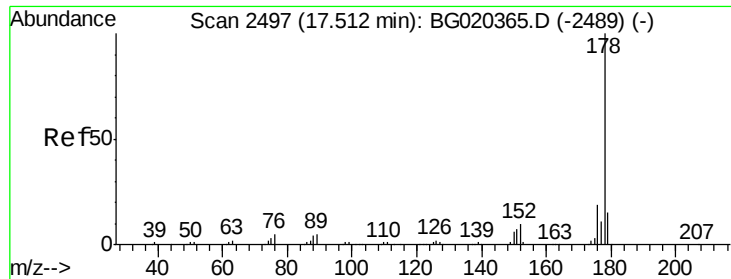
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#59
Fluorene
Concen: 248.16 ng/ul
RT: 15.79 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Tgt Ion:166 Resp: 1206552
Ion Ratio Lower Upper
166 100
165 99.7 81.4 122.0
167 15.9 11.2 16.8





#70

Phenanthrene

Concen: 260.59 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.02 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampled :

D9N35

Tot Ion:178 Resp: 2026987

Ion Ratio Lower Upper

178 100

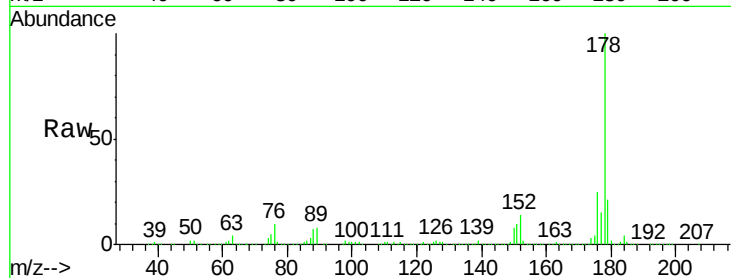
179 21.1 12.9 19.3#

176 25.1 15.3 22.9#

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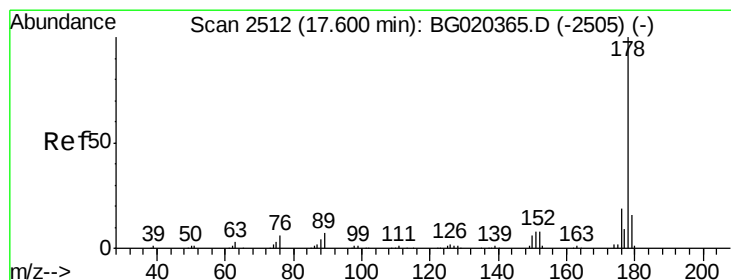
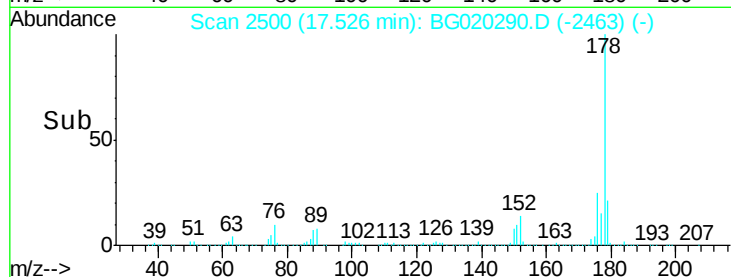
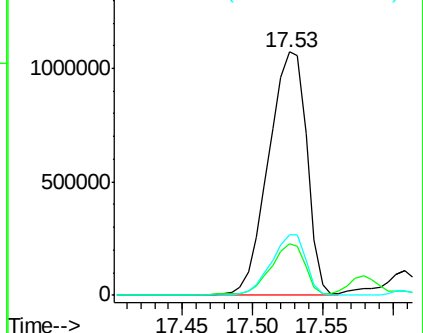
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 24.27 ng/ul m

RT: 17.61 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

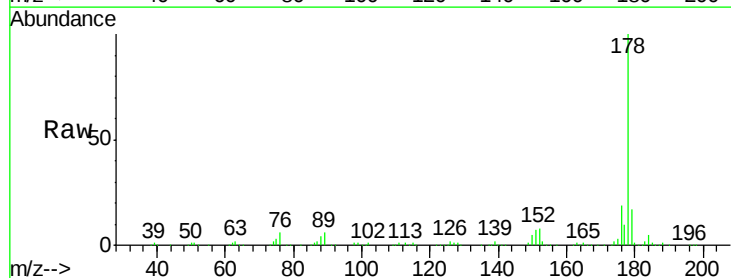
Tgt Ion:178 Resp: 191465

Ion Ratio Lower Upper

178 100

179 16.6 12.3 18.5

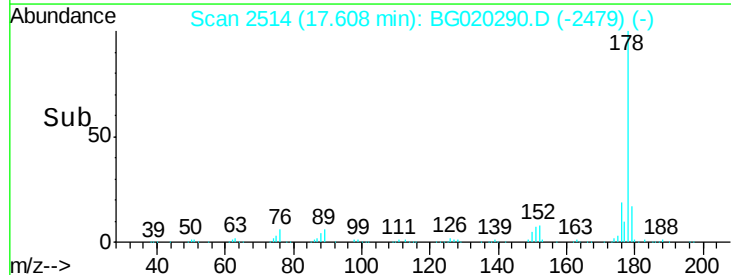
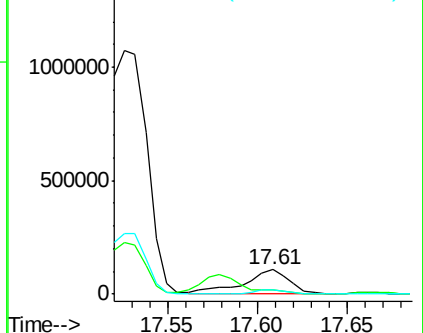
176 19.1 14.3 21.5

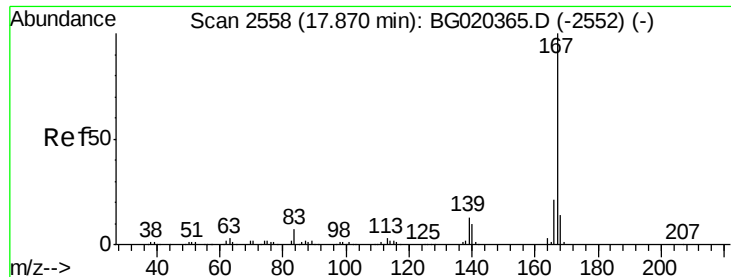


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 216.03 ng/ul

RT: 17.88 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35

Tot Ion:167 Resp: 1432067

Ion Ratio Lower Upper

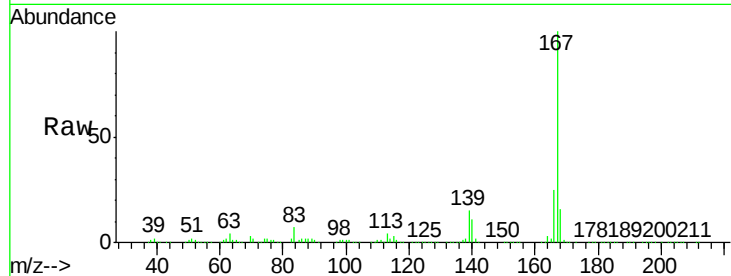
167 100

166 25.2 17.0 25.6

139 14.9 10.1 15.1

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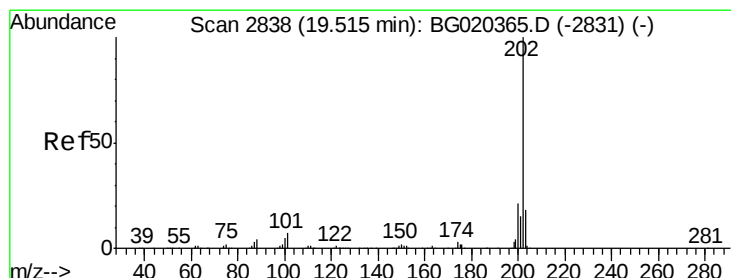
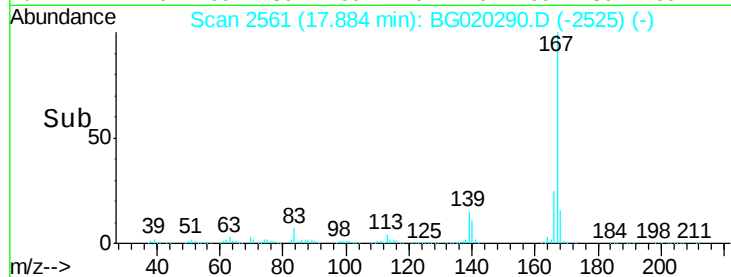
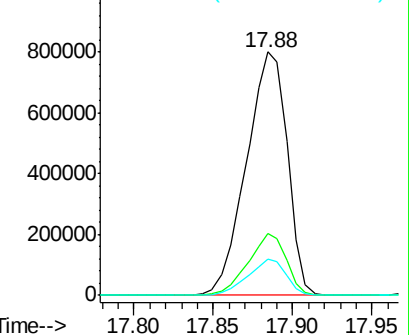
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 41.06 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

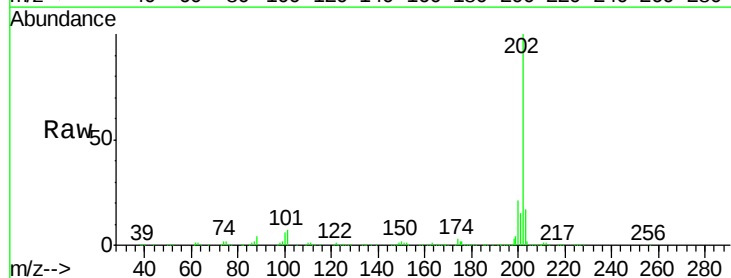
Tgt Ion:202 Resp: 373220

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.4

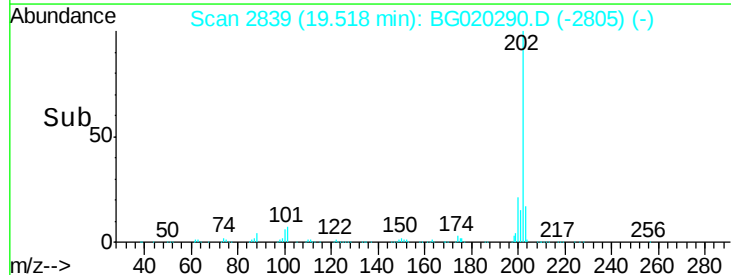
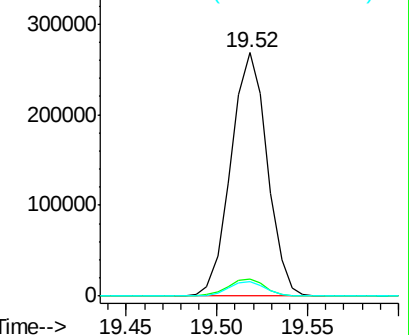
100 5.9 5.1 7.7

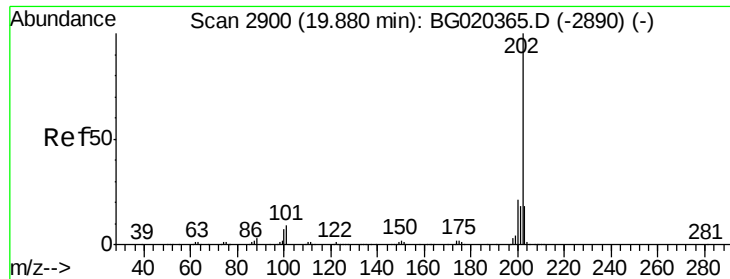


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Pvrene

Concen: 18.84 ng/ul

RT: 19.88 min Scan# 2901

Delta R.T. -0.00 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

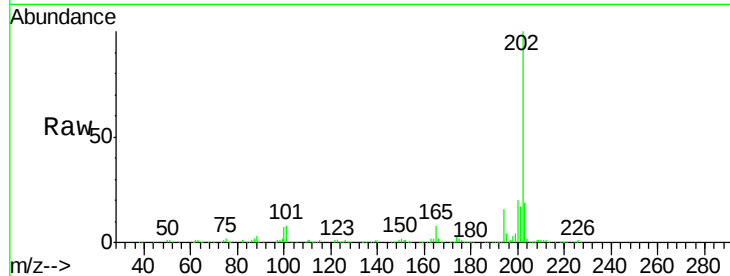
ClientSampleId :

D9N35

Tot Ion:	202	Resp:	217049
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.0	10.4
100	6.7	6.4	9.6

Manual Integrations
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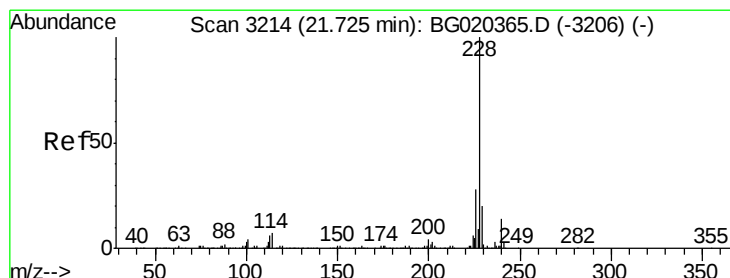
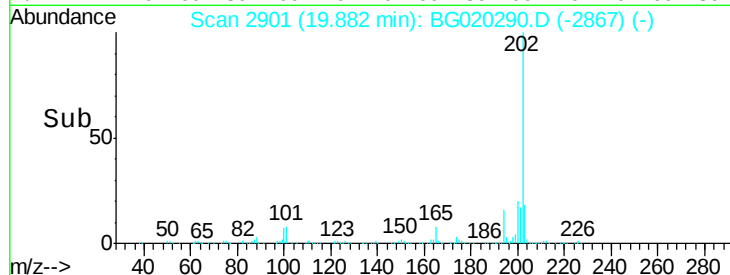
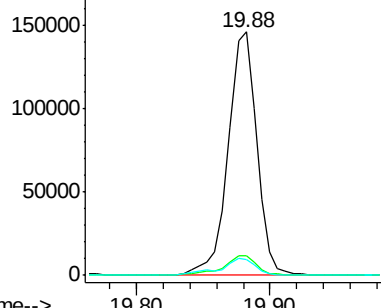
apatel
12/22/2015 12:35:24 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#83

Benzo(a)anthracene

Concen: 1.01 ng/ul

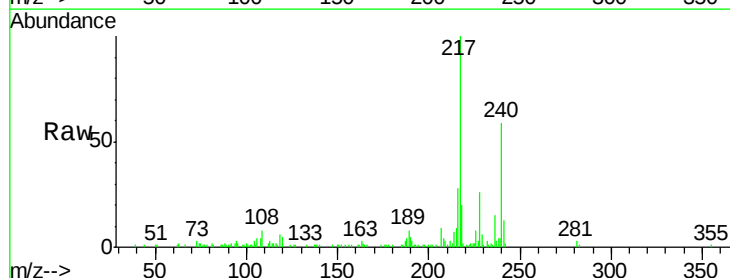
RT: 21.72 min Scan# 3214

Delta R.T. -0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Tgt Ion:	228	Resp:	11227
Ion Ratio	Lower	Upper	
228	100		
229	22.0	15.8	23.8
226	30.3	21.8	32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

