

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020419.D
 Acq On : 22 Dec 2015 21:31
 Operator : UM/SJ
 Sample : G4787-17ME
 Misc : MED LEVEL RX
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9ME

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:33:43 PM

Quant Time: Dec 23 07:16:38 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	17923	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	76699	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	56549	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	123981	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	154144	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	148091	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1179	3.63	ng/uL	0.00
5) Phenol-d5	7.24	99	30049	19.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	22975	24.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	27138	23.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	11919	8.82	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	17157	28.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	19359	29.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	28868	21.42	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	14.12	166	113734	24.86	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	135584	25.48	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	11781	14.36	ng/ul	0.00
58) Fluorene-d10	15.71	176	103062	24.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	14415	19.61	ng/ul	0.00
71) Anthracene-d10	17.56	188	153283	26.83	ng/ul	0.00
79) Pyrene-d10	19.85	212	186110	25.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	204840	27.73	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.98	128	2952382	737.11	ng/ul#	83
34) 2-Methylnaphthalene	12.58	142	1598962	522.63	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	153787	36.05	ng/ul	95
45) Dimethylphthalate	14.17	163	19845	4.25	ng/ul	96
48) Acenaphthylene	14.44	152	43199	7.64	ng/ul#	71
50) Acenaphthene	14.79	153	552431	145.22	ng/ul	97
54) Dibenzofuran	15.11	168	72775	12.86	ng/ul	89
59) Fluorene	15.77	166	326229	71.79	ng/ul	99
70) Phenanthrene	17.52	178	1428901	210.70	ng/ul	93
72) Anthracene	17.60	178	392692	57.09	ng/ul	98
75) Carbazole	17.87	167	13069	2.26	ng/ul#	68
77) Fluoranthene	19.51	202	540034	68.14	ng/ul	98
80) Pyrene	19.88	202	829760	88.94	ng/ul	99
83) Benzo(a)anthracene	21.72	228	316547	35.19	ng/ul	93
85) Chrysene	21.79	228	278634	32.89	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	167025	18.74	ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	55479m	6.49	ng/ul	
91) Benzo(a)pyrene	24.86	252	183705	21.74	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.72	276	70619	7.02	ng/ul#	96
93) Dibenzo(a,h)anthracene	28.77	278	26485m	3.17	ng/ul	
94) Benzo(a,h,i)perylene	29.88	276	64969	7.88	ng/ul	99

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Instrument :
BNA_G
ClientSampleId :
G9BN9ME

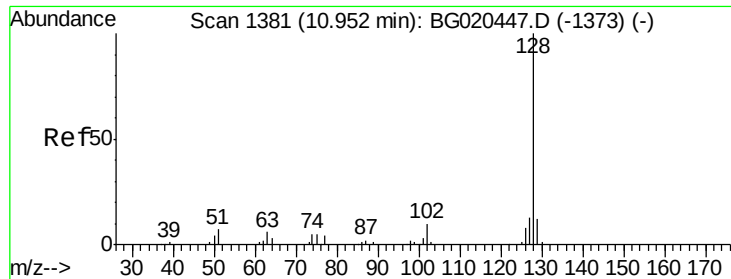
Manual Integrations
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Quant Time: Dec 23 07:16:38 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



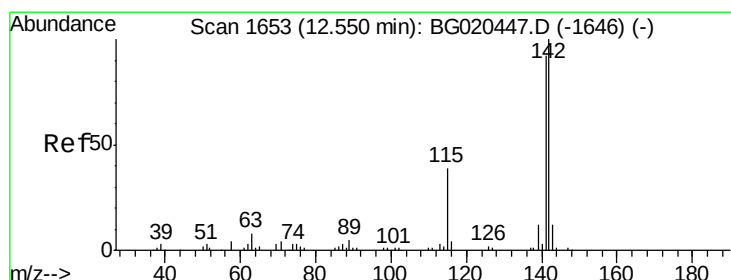
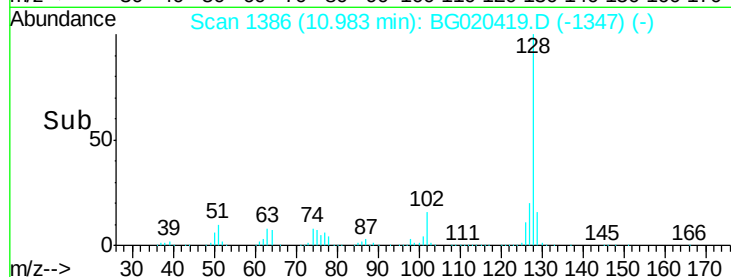
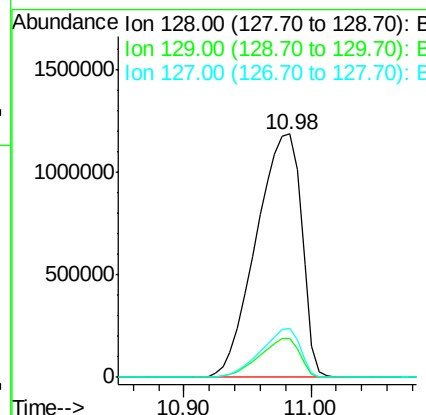
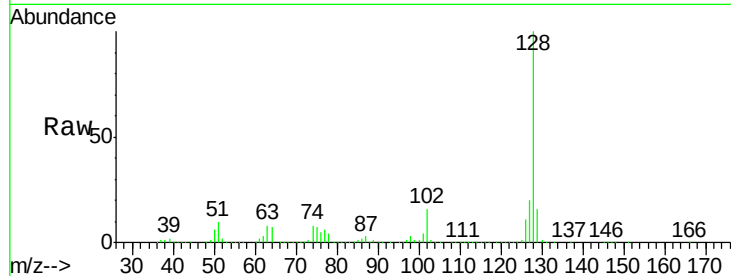
#28
Naphthalene
Concen: 737.11 ng/ul
RT: 10.98 min Scan# 1386
Delta R.T. 0.03 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

Instrument :
BNA_G
ClientSampleId :
G9BN9ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	15.9	8.6	12.8#
127	20.2	10.1	15.1#

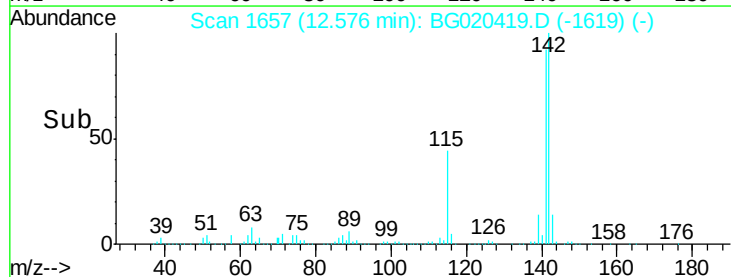
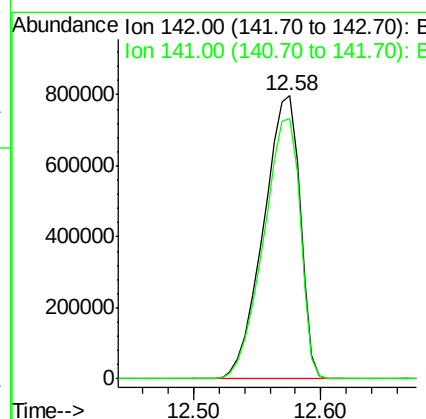
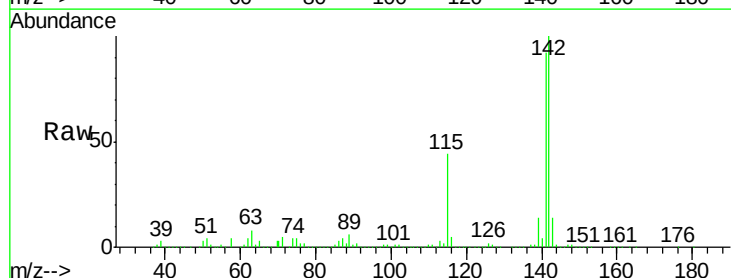
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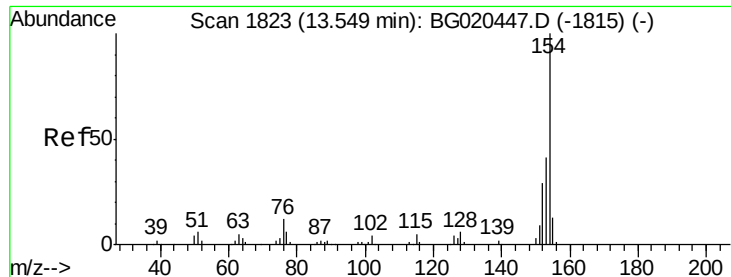
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#34
2-Methylnaphthalene
Concen: 522.63 ng/ul
RT: 12.58 min Scan# 1657
Delta R.T. 0.03 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.9	112.3





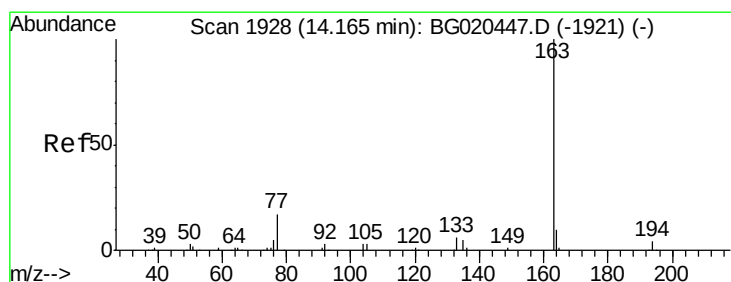
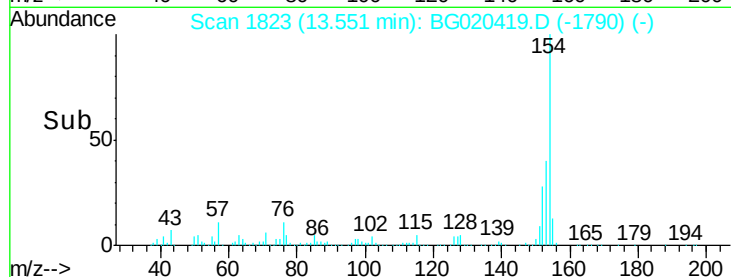
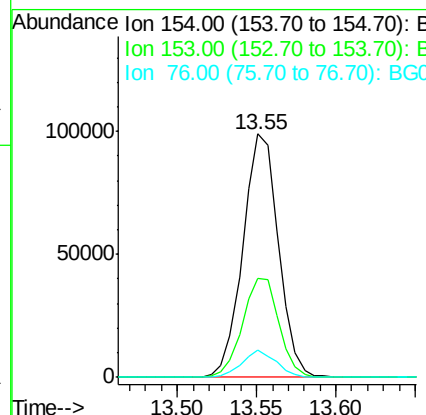
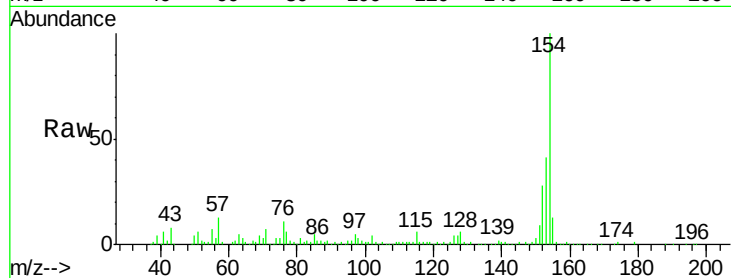
#41
 1,1'-Biphenyl
 Concen: 36.05 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020419.D
 Acq: 22 Dec 2015 21:31

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9ME

Tot Ion:	154	Resp:	153787
Ion Ratio	Lower	Upper	
154	100		
153	40.6	35.5	53.3
76	11.3	10.4	15.6

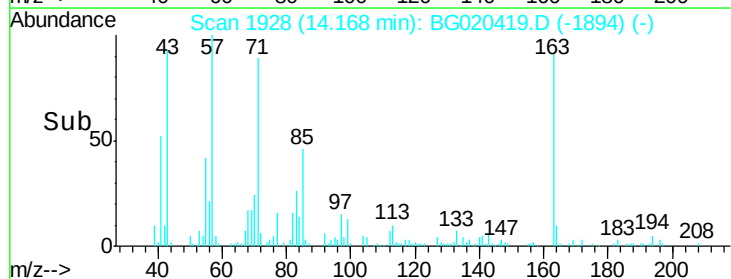
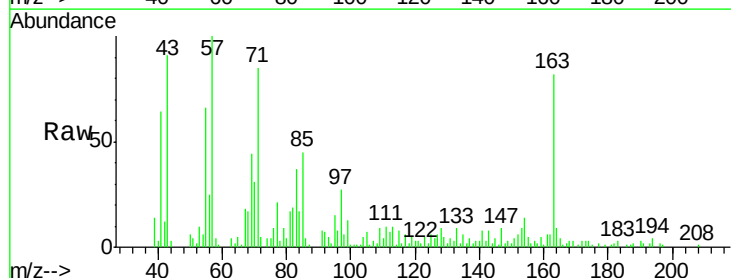
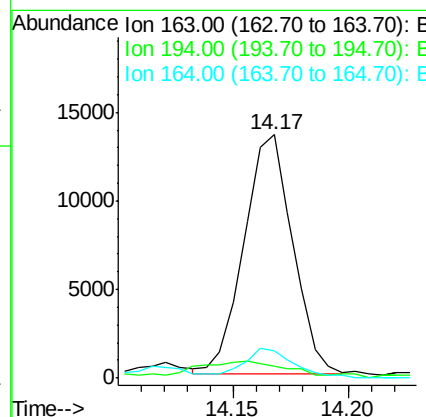
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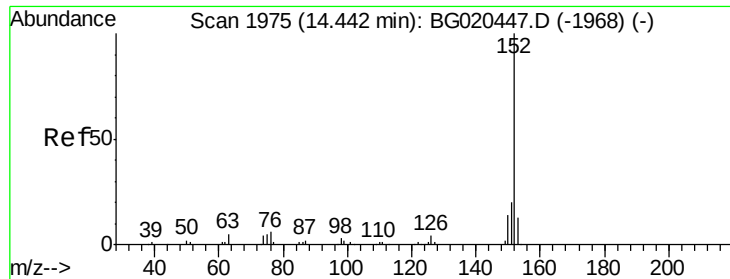
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#45
 Dimethylphthalate
 Concen: 4.25 ng/ul
 RT: 14.17 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: BG020419.D
 Acq: 22 Dec 2015 21:31

Tgt Ion:	163	Resp:	19845
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.5	5.3
164	11.3	7.7	11.5





#48

Acenaphthylene

Concen: 7.64 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

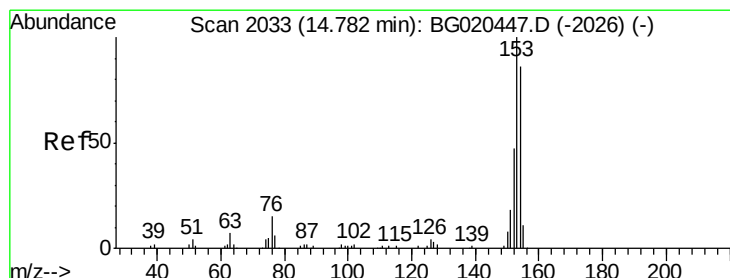
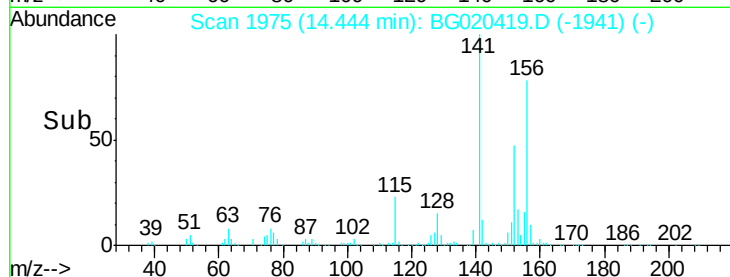
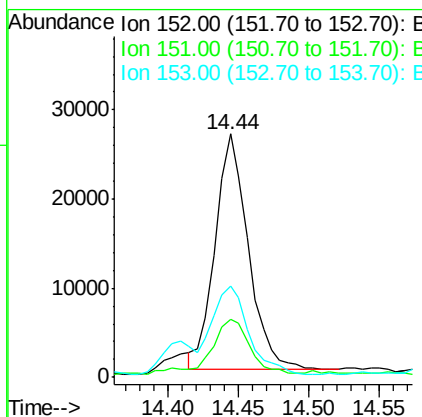
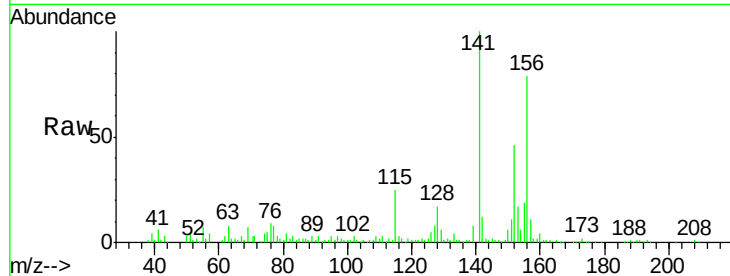
ClientSampleId :

G9BN9ME

Tot Ion:	152	Resp:	43199
Ion Ratio	Lower	Upper	
152	100		
151	23.9	16.4	24.6
153	37.6	10.4	15.6#

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#50

Acenaphthene

Concen: 145.22 ng/ul

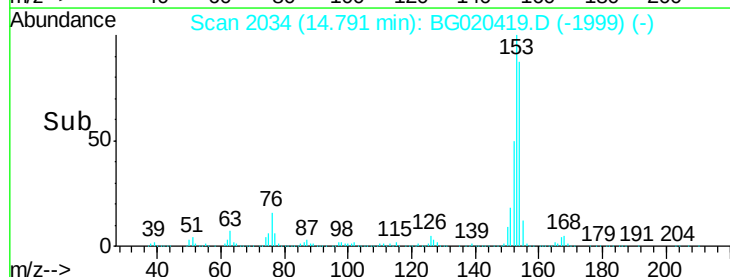
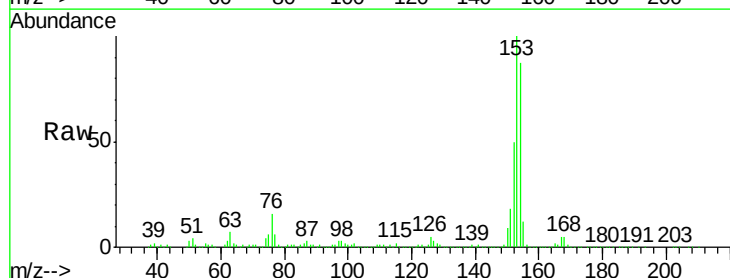
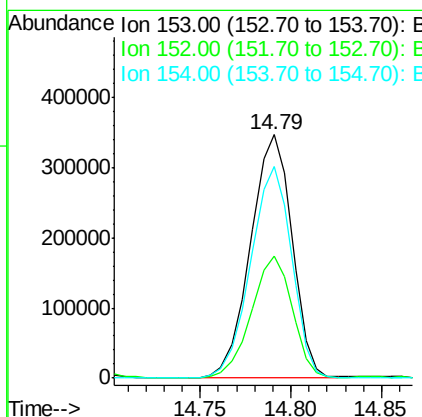
RT: 14.79 min Scan# 2034

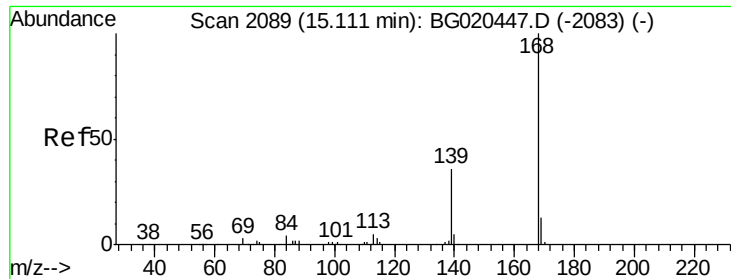
Delta R.T. 0.01 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Tgt Ion:	153	Resp:	552431
Ion Ratio	Lower	Upper	
153	100		
152	50.1	37.6	56.4
154	87.0	67.9	101.9





#54

Dibenzenofuran

Concen: 12.86 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

ClientSampleId :

G9BN9ME

Tot Ion:168 Resp: 72775

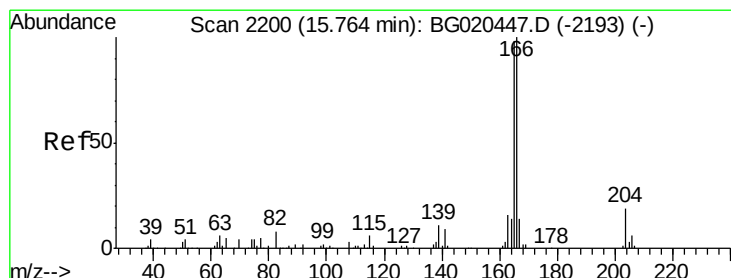
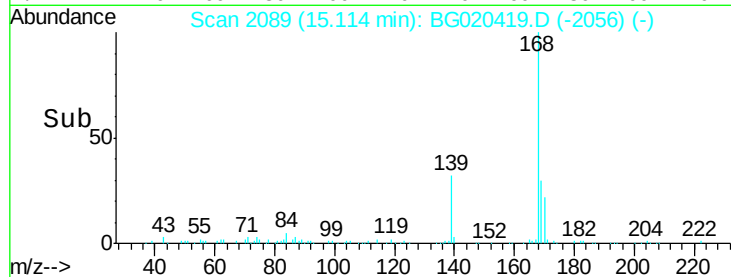
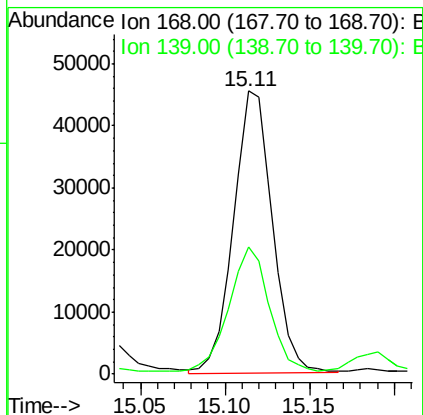
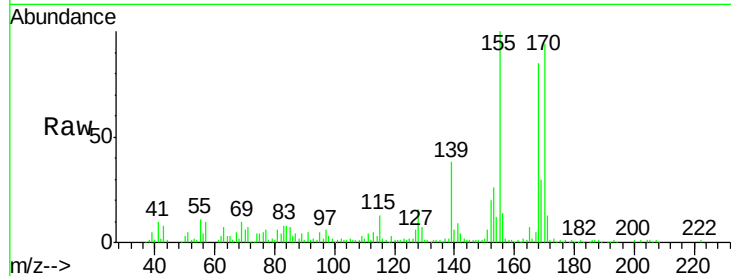
Ion Ratio Lower Upper

168 100

139 45.0 30.5 45.7

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#59

Fluorene

Concen: 71.79 ng/ul

RT: 15.77 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

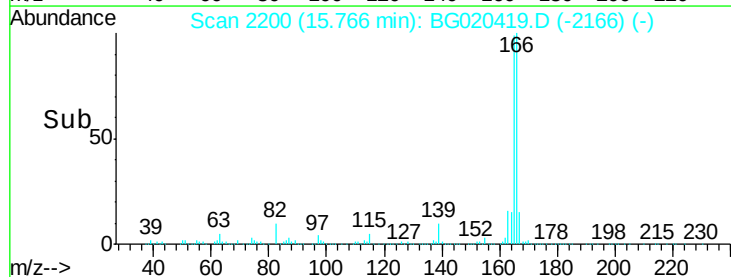
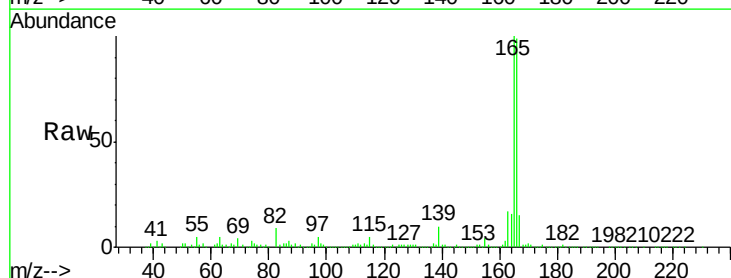
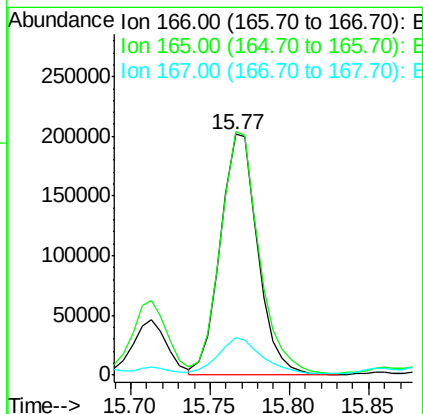
Tgt Ion:166 Resp: 326229

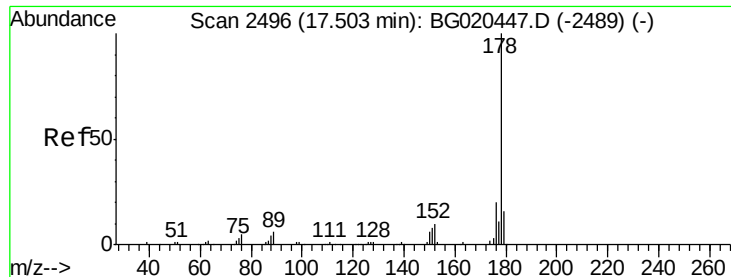
Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

167 15.4 11.2 16.8





#70

Phenanthrene

Concen: 210.70 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

ClientSampleId :

G9BN9ME

Tot Ion:178 Resp: 1428901

Ion Ratio Lower Upper

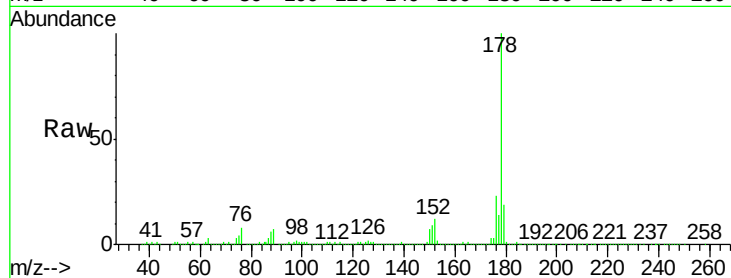
178 100

179 18.9 12.9 19.3

176 22.8 15.3 22.9

Manual Integrations
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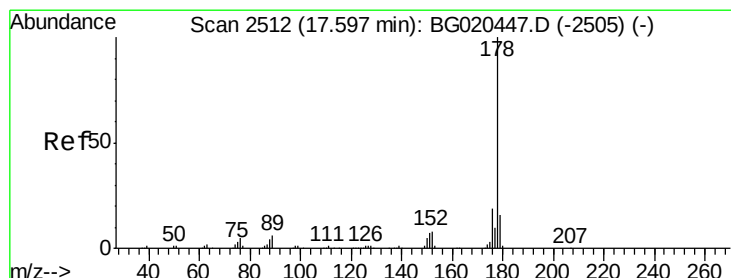
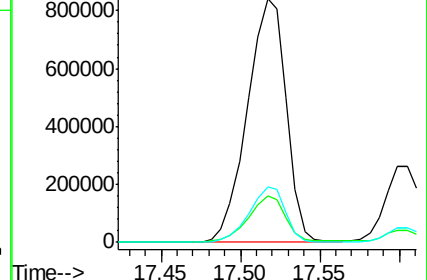
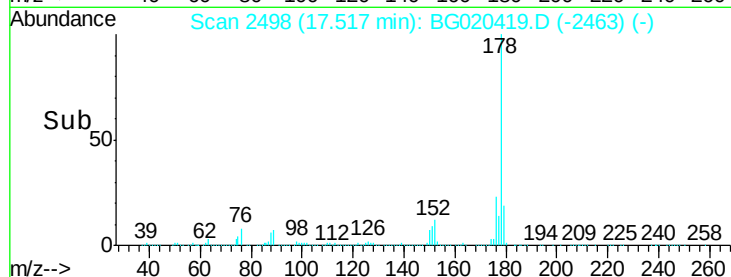
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 57.09 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

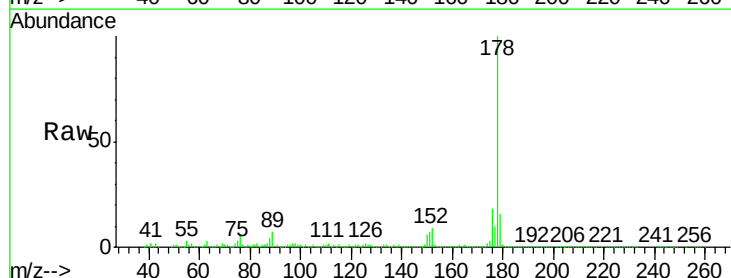
Tgt Ion:178 Resp: 392692

Ion Ratio Lower Upper

178 100

179 16.4 12.3 18.5

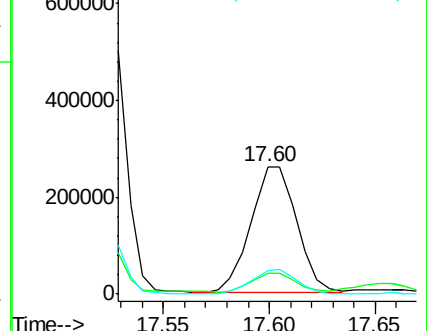
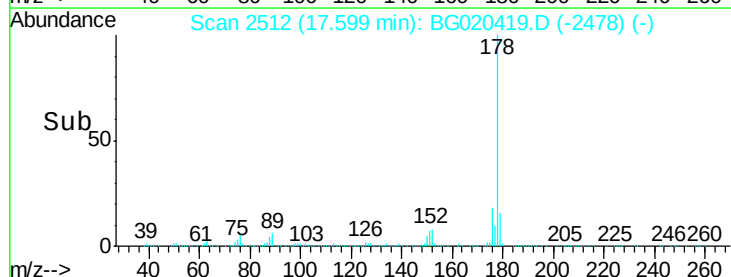
176 18.3 14.3 21.5

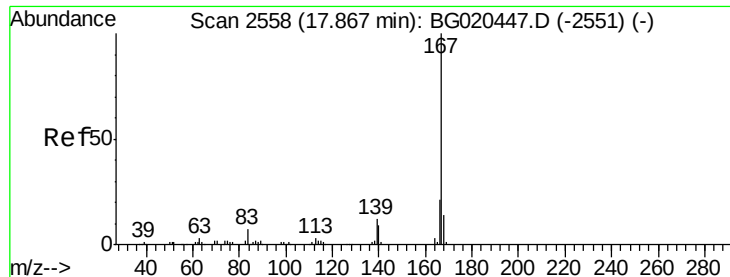


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.26 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

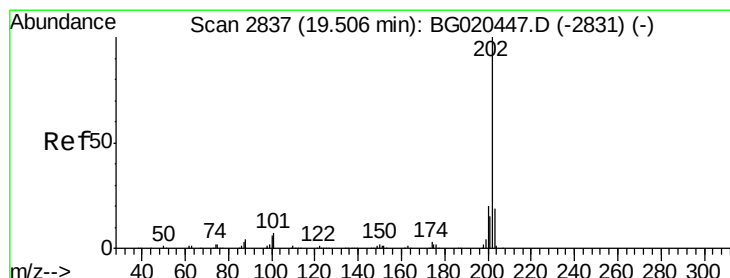
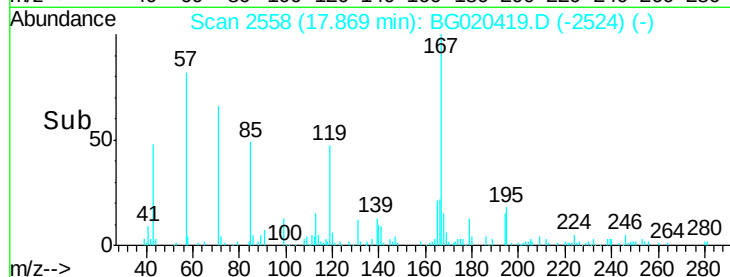
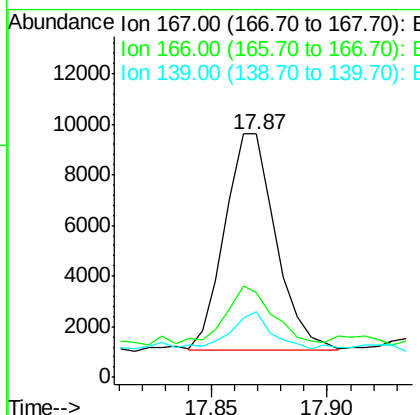
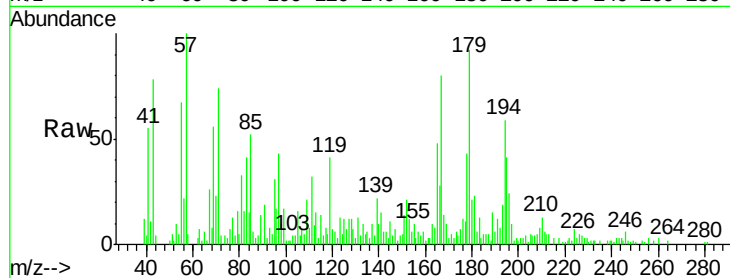
ClientSampleId :

G9BN9ME

Tot Ion:	167	Resp:	13069
Ion Ratio	Lower	Upper	
167	100		
166	35.1	17.0	25.6#
139	27.0	10.1	15.1#

Manual Integrations
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#77

Fluoranthene

Concen: 68.14 ng/ul

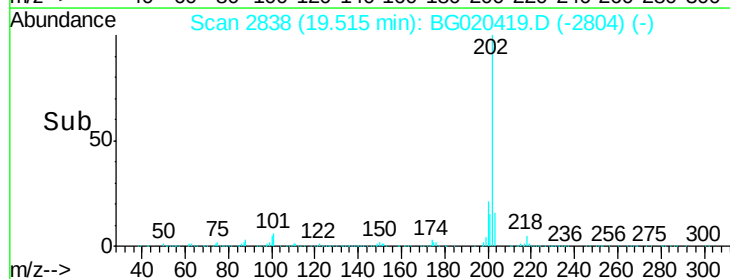
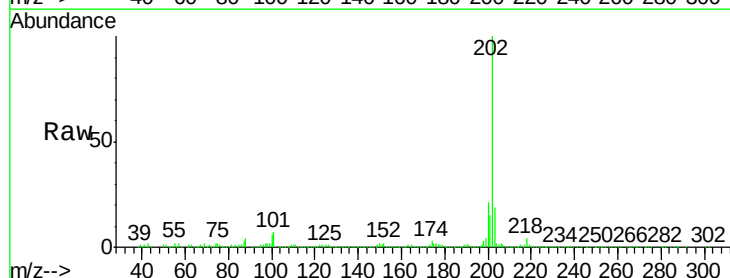
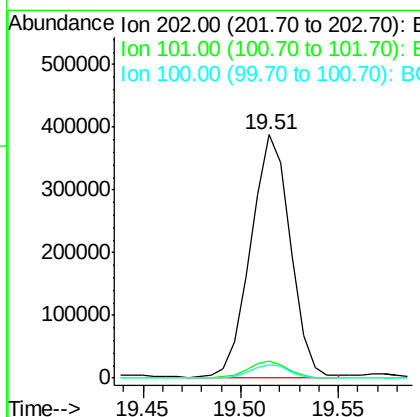
RT: 19.51 min Scan# 2838

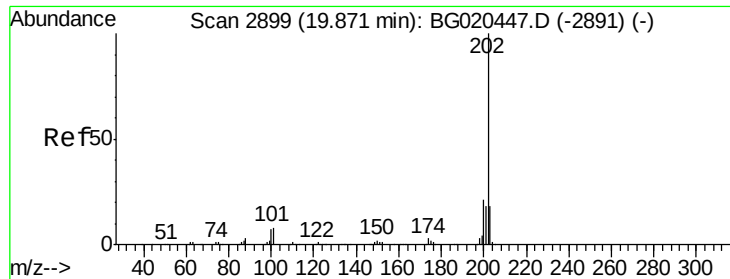
Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Tgt Ion:	202	Resp:	540034
Ion Ratio	Lower	Upper	
202	100		
101	7.1	6.2	9.4
100	5.6	5.1	7.7





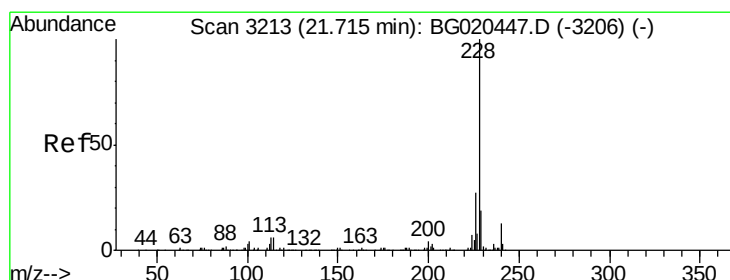
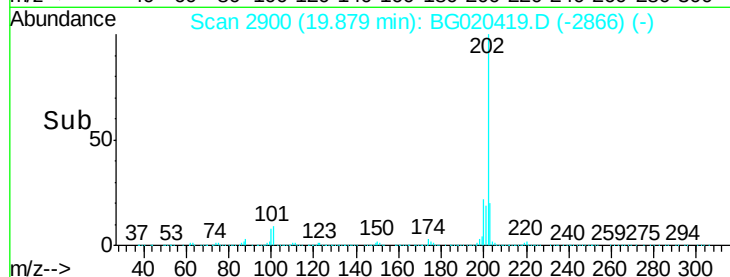
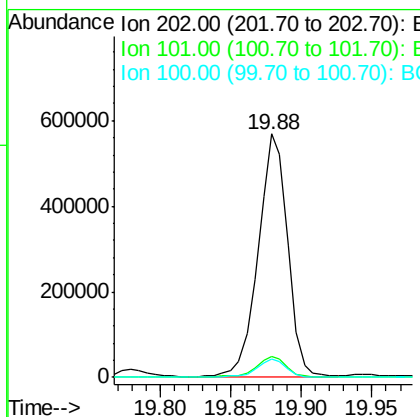
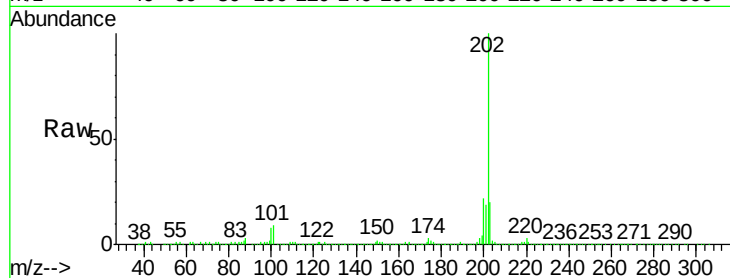
#80
Pvrene
Concen: 88.94 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.00 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

Instrument :
BNA_G
ClientSampleId :
G9BN9ME

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.6	6.4	9.6

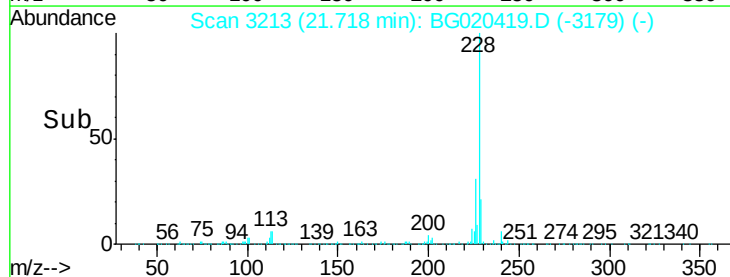
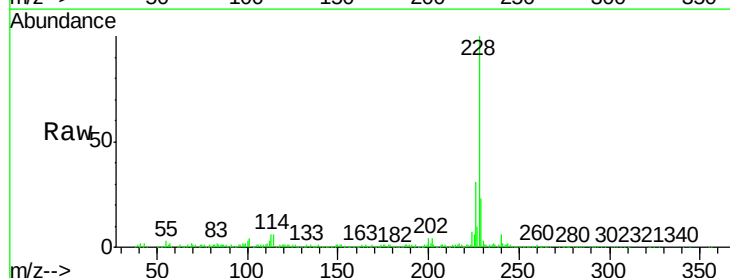
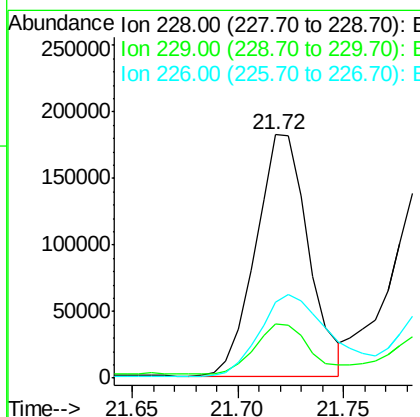
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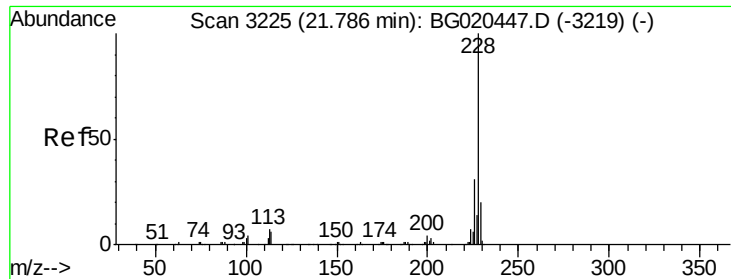
Sohil
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#83
Benzo(a)anthracene
Concen: 35.19 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	22.5	15.8	23.8
226	31.1	21.8	32.6





#85

Chrysene

Concen: 32.89 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. 0.00 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

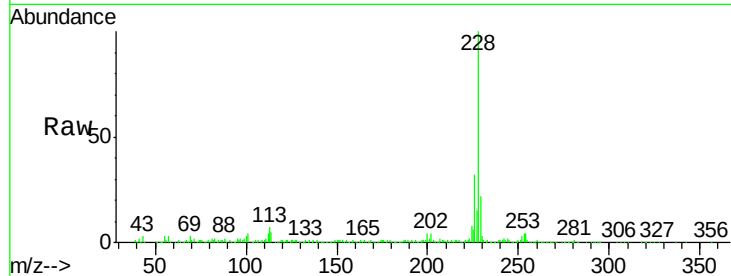
ClientSampleId :

G9BN9ME

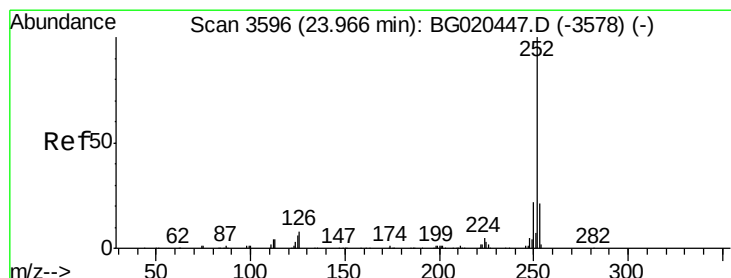
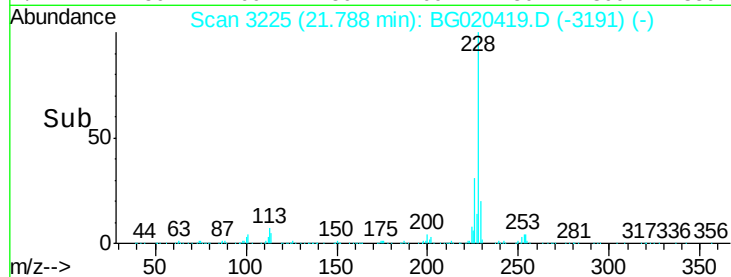
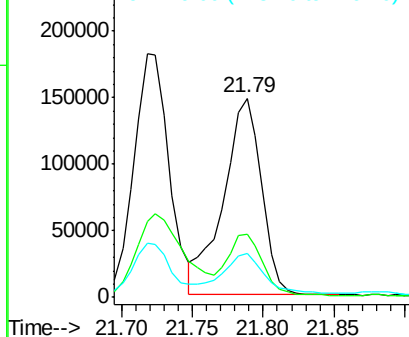
Tot Ion:	228	Resp:	278634
Ion Ratio	Lower	Upper	
228	100		
226	31.9	23.9	35.9
229	22.1	15.6	23.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 18.74 ng/ul

RT: 23.97 min Scan# 3596

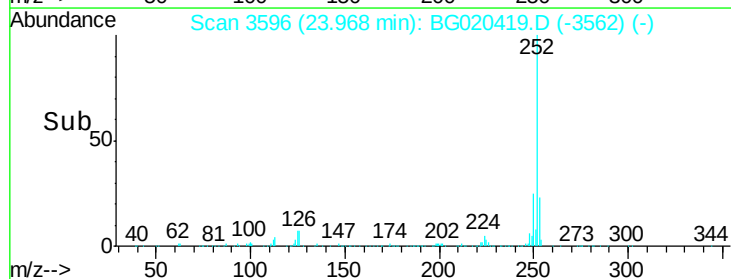
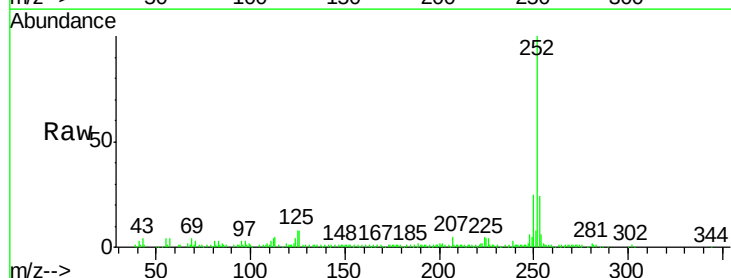
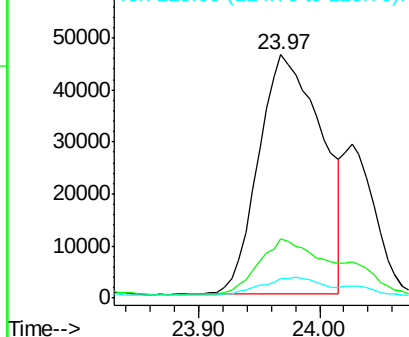
Delta R.T. 0.00 min

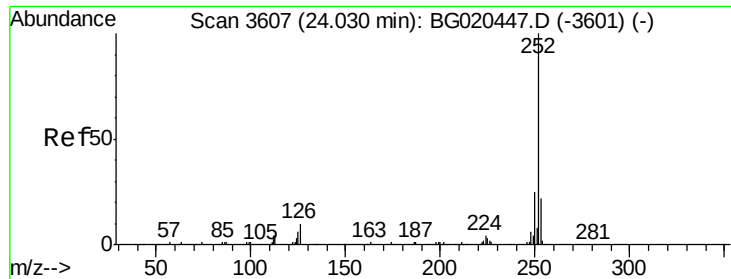
Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Tgt Ion:	252	Resp:	167025
Ion Ratio	Lower	Upper	
252	100		
253	24.1	16.7	25.1
125	8.0	6.2	9.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





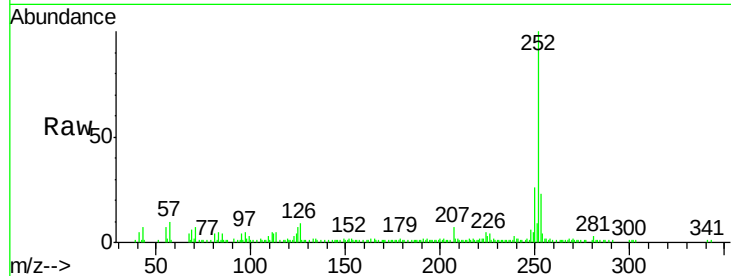
#89
Benzo(k)fluoranthene
Concen: 6.49 ng/ul m
RT: 24.03 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

Instrument :
BNA_G
ClientSampleId :
G9BN9ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	7.4	5.8	8.6

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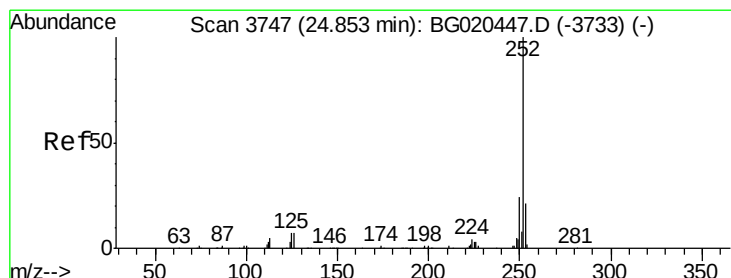
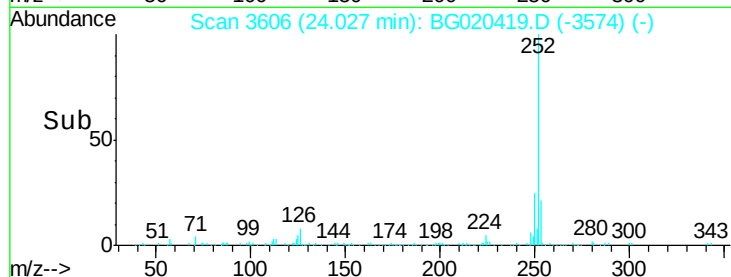
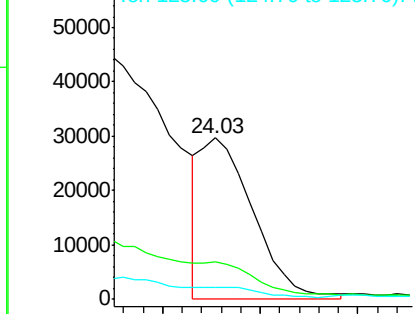


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(a)pyrene
Concen: 21.74 ng/ul
RT: 24.86 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020419.D
Acq: 22 Dec 2015 21:31

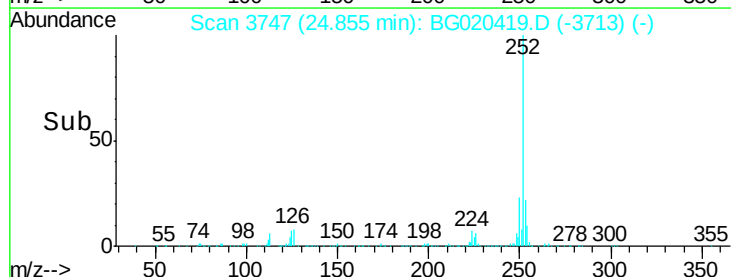
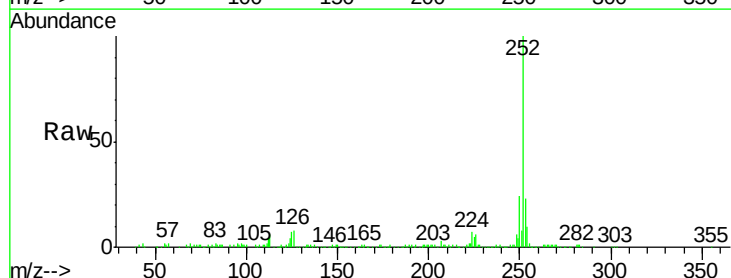
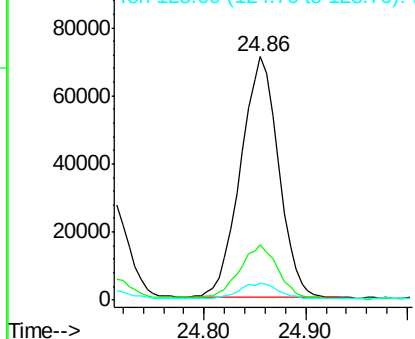
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.4
125	7.1	6.2	9.4

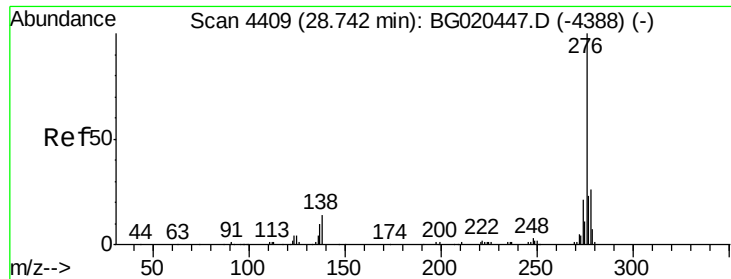
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.02 ng/ul

RT: 28.72 min Scan# 4405

Delta R.T. -0.02 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Instrument :

BNA_G

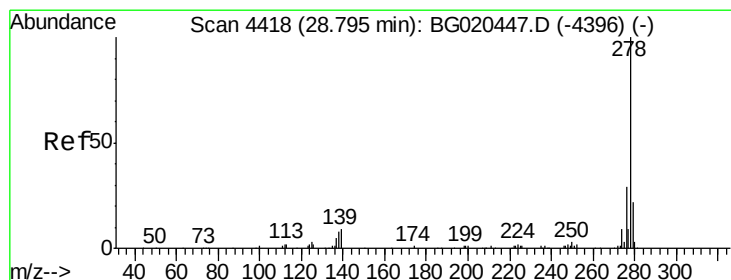
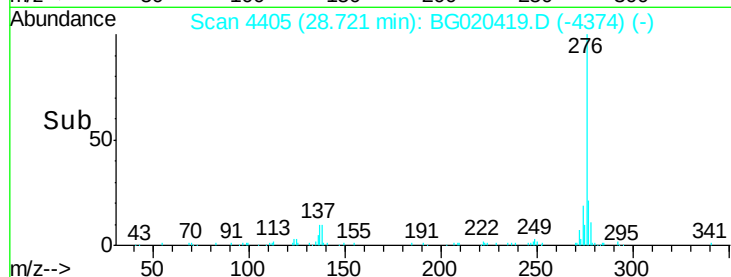
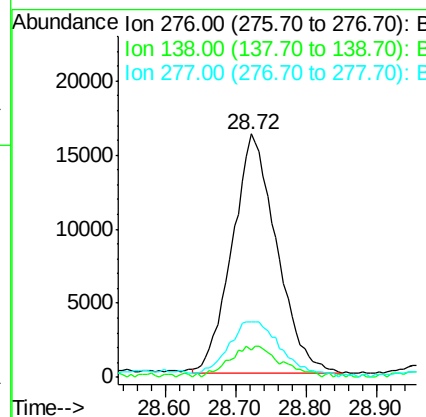
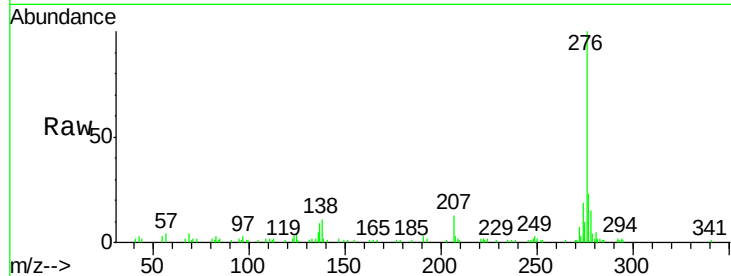
ClientSampleId :

G9BN9ME

Tot Ion:	276	Resp:	70619
Ion Ratio	Lower	Upper	
276	100		
138	11.3	11.4	17.0#
277	22.8	17.4	26.0

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#93

Dibenzo(a,h)anthracene

Concen: 3.17 ng/ul m

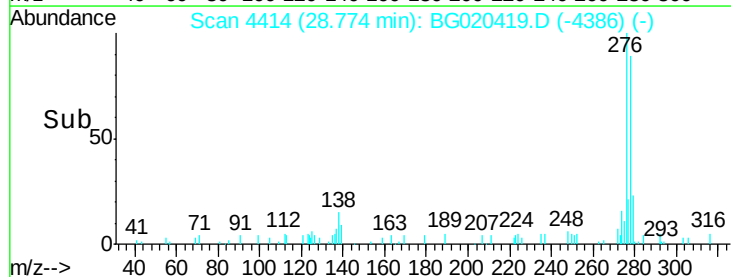
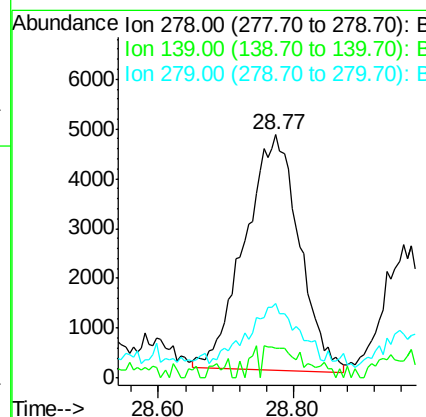
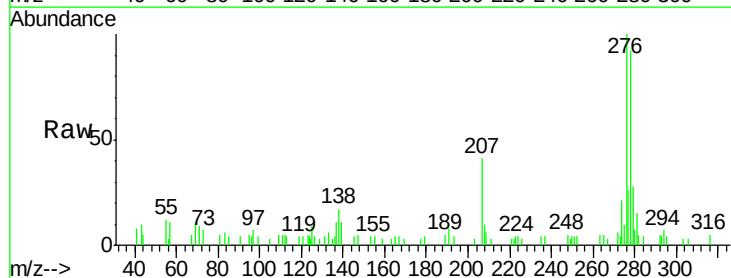
RT: 28.77 min Scan# 4414

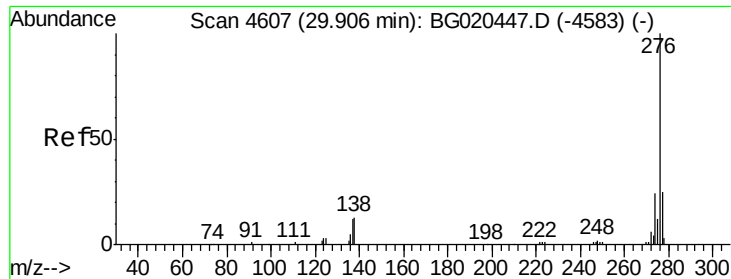
Delta R.T. -0.03 min

Lab File: BG020419.D

Acq: 22 Dec 2015 21:31

Tgt Ion:	278	Resp:	26485
Ion Ratio	Lower	Upper	
278	100		
139	12.0	9.4	14.2
279	30.5	19.4	29.0#





#94
 Benzo(a,h,i)perylene
 Concen: 7.88 ng/ul
 RT: 29.88 min Scan# 4603
 Delta R.T. -0.02 min
 Lab File: BG020419.D
 Acq: 22 Dec 2015 21:31

Instrument :
 BNA_G
 ClientSampleId :
 G9BN9ME

Tot Ion:	276	Resp:	64969
Ion Ratio		Lower	Upper
276	100		
138	13.7	10.8	16.2
277	24.4	19.9	29.9

Manual Integrations
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