

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020534.D
 Acq On : 26 Dec 2015 10:55
 Operator : UM/SJ
 Sample : G4802-13
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D88

Manual Integrations
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Sohil
 12/28/2015 6:06:47 PM

Quant Time: Dec 28 06:43:29 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	25323	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	98930	20.00	ng/ul	0.04
36) Acenaphthene-d10	14.72	164	86176	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.48	188	141807	20.00	ng/ul	0.03
78) Chrysene-d12	21.76	240	187947	20.00	ng/ul	0.03
86) Perylene-d12	25.03	264	182091	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1530	3.33	ng/uL	0.01
5) Phenol-d5	7.24	99	37401	18.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	32617	27.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	32654	20.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	14761	8.63	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	26071	33.62	ng/ul	0.01
22) 2-Nitrophenol-d4	9.98	143	20581	23.34	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.53	165	31193	18.28	ng/ul	0.02
29) 4-Chloroaniline-d4	11.03	131	23137	11.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	139684	19.67	ng/ul	0.02
47) Acenaphthylene-d8	14.43	160	180154	21.89	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.73	176	137122	21.35	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.60	188	194987	29.36	ng/ul	0.05
79) Pyrene-d10	19.86	212	247904	30.47	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.81	264	281740	30.61	ng/ul	0.05

Target Compounds

						Ovalue
28) Naphthalene	11.02	128	7875371	1497.50	ng/ul#	48
34) 2-Methylnaphthalene	12.62	142	5686207	1461.29	ng/ul	95
41) 1,1'-Biphenyl	13.56	154	933171	140.31	ng/ul	98
45) Dimethylphthalate	14.18	163	48758	6.75	ng/ul#	96
48) Acenaphthylene	14.46	152	478273	55.29	ng/ul#	71
50) Acenaphthene	14.82	153	3071212	525.18	ng/ul#	87
54) Dibenzofuran	15.13	168	478249	54.97	ng/ul	91
59) Fluorene	15.80	166	2199756	312.00	ng/ul#	97
70) Phenanthrene	17.57	178	6345215	804.18	ng/ul#	45
72) Anthracene	17.64	178	2387519	295.91	ng/ul#	72
75) Carbazole	17.88	167	64791	9.53	ng/ul#	69
77) Fluoranthene	19.55	202	2877107m	289.96	ng/ul	
80) Pyrene	19.92	202	3982611	374.71	ng/ul#	66
83) Benzo(a)anthracene	21.74	228	1980666	179.44	ng/ul#	74
85) Chrysene	21.82	228	1879248	178.74	ng/ul#	82
88) Benzo(b)fluoranthene	24.01	252	1157214	105.88	ng/ul	95
89) Benzo(k)fluoranthene	24.06	252	402038m	38.05	ng/ul	
91) Benzo(a)pyrene	24.91	252	1403364	133.59	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.80	276	530852	42.19	ng/ul	95
93) Dibenzo(a,h)anthracene	28.82	278	192101	18.40	ng/ul#	91
94) Benzo(a,h,i)perylene	29.98	276	600718	58.13	ng/ul	99

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ALS Vial : 71 Sample Multiplier: 1

Instrument :
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G9D88

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

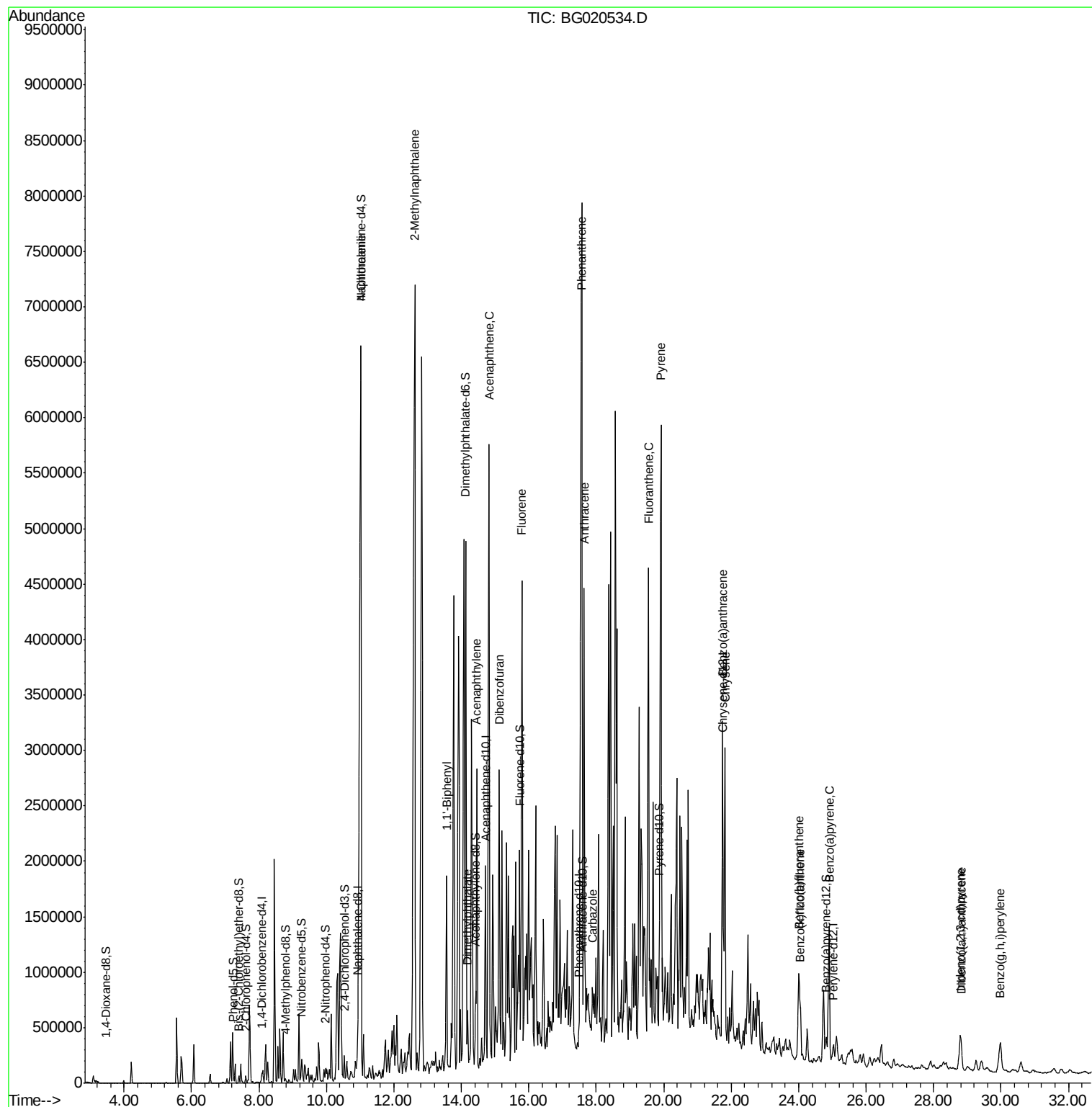
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
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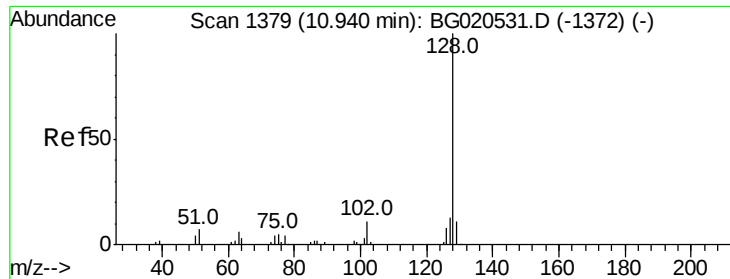
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BNA_G
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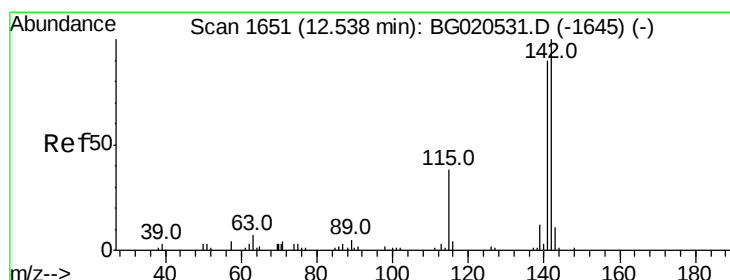
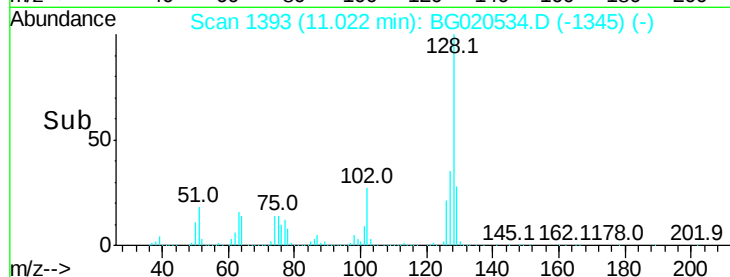
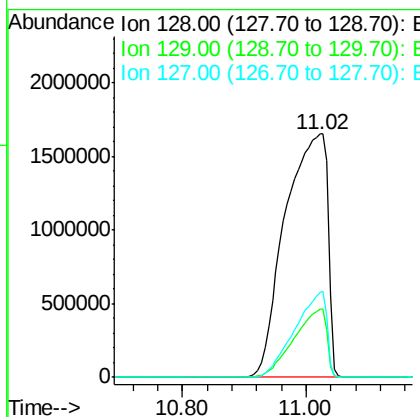
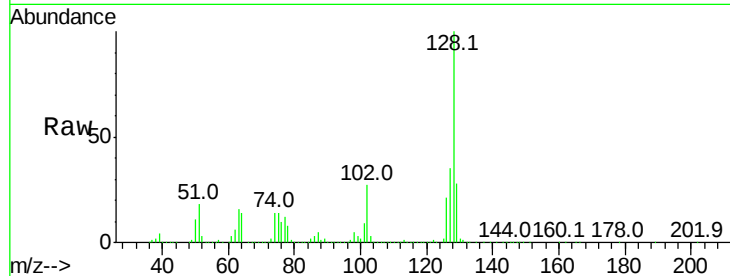
#28
Naphthalene
Concen: 1497.50 ng/ul
RT: 11.02 min Scan# 1393
Delta R.T. 0.08 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Instrument :
BNA_G
ClientSampleId :
G9D88

Tot Ion:128 Resp: 7875371
Ion Ratio Lower Upper
128 100
129 28.2 8.6 12.8#
127 34.9 10.1 15.1#

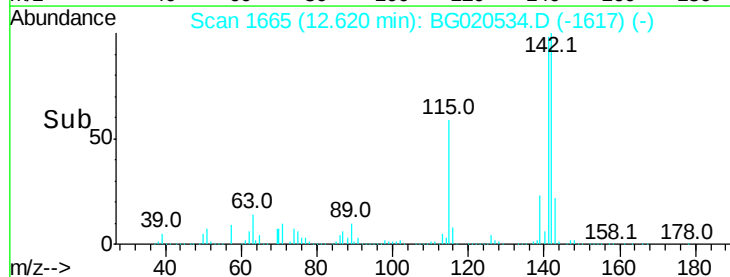
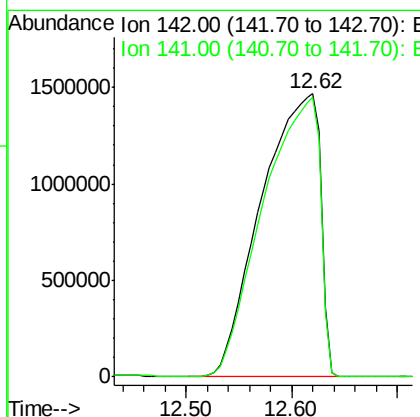
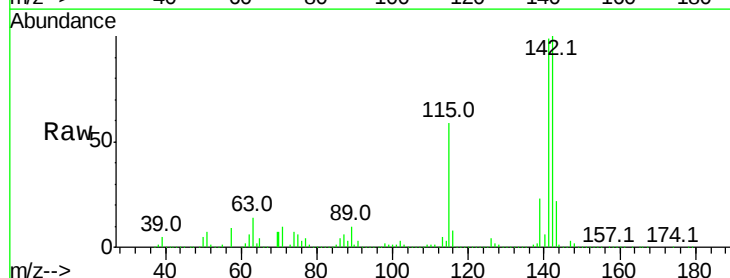
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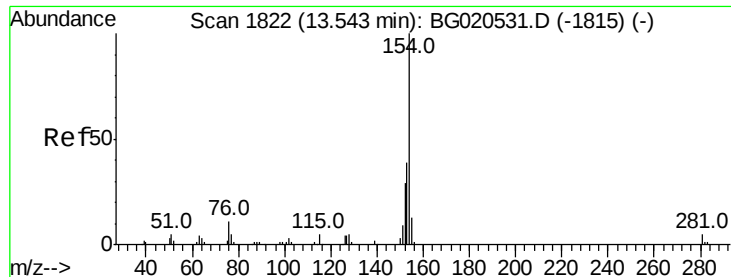
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#34
2-Methylnaphthalene
Concen: 1461.29 ng/ul
RT: 12.62 min Scan# 1665
Delta R.T. 0.08 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Tgt Ion:142 Resp: 5686207
Ion Ratio Lower Upper
142 100
141 98.6 74.9 112.3





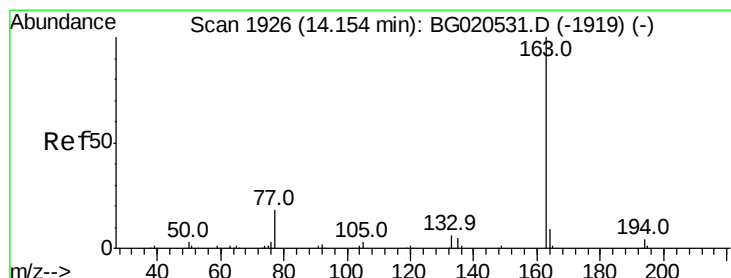
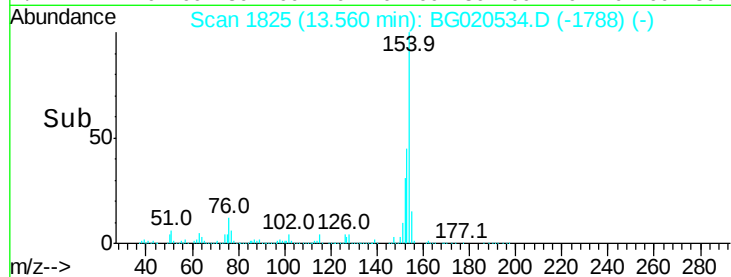
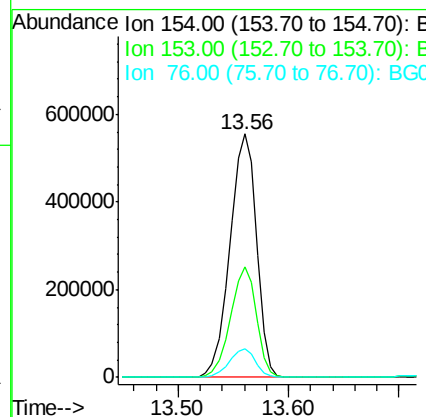
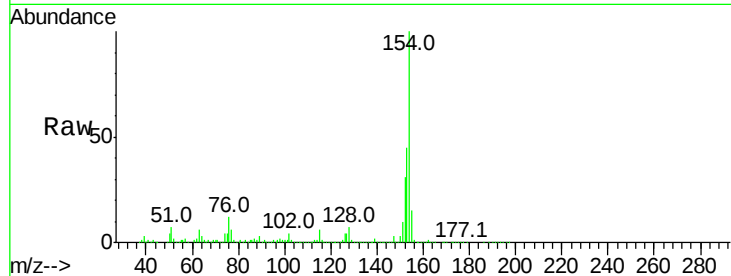
#41
 1,1'-Biphenyl
 Concen: 140.31 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Instrument :
 BNA_G
 ClientSampleId :
 G9D88

Tot Ion:	154	Resp:	933171
Ion Ratio	Lower	Upper	
154	100		
153	45.1	35.5	53.3
76	11.9	10.4	15.6

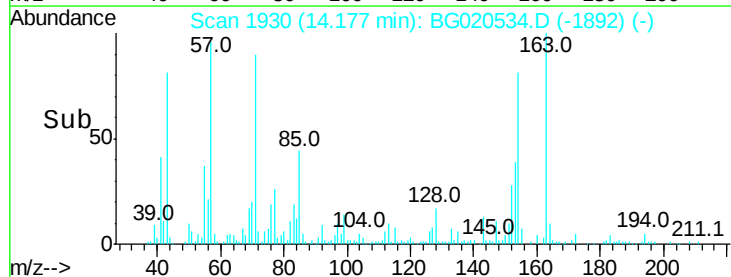
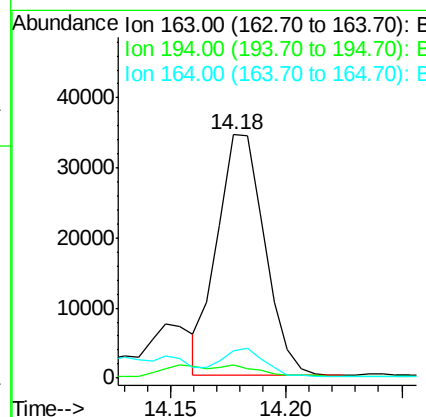
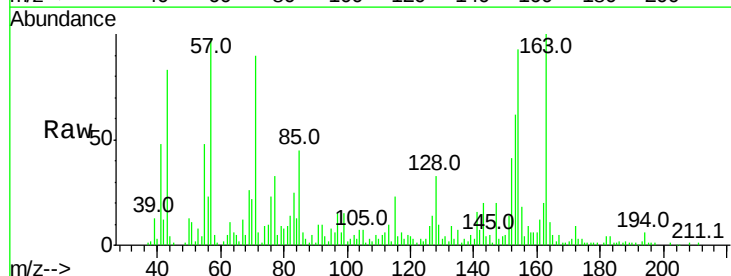
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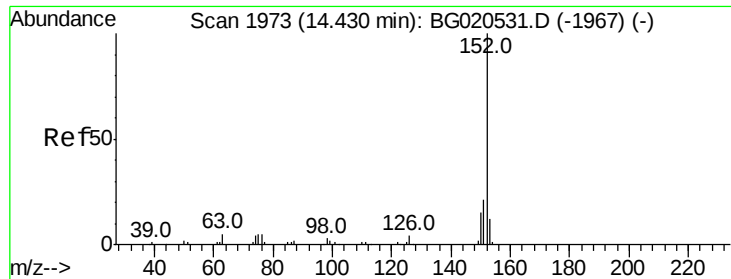
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#45
 Dimethylphthalate
 Concen: 6.75 ng/ul
 RT: 14.18 min Scan# 1930
 Delta R.T. 0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion:	163	Resp:	48758
Ion Ratio	Lower	Upper	
163	100		
194	5.6	3.5	5.3#
164	11.2	7.7	11.5





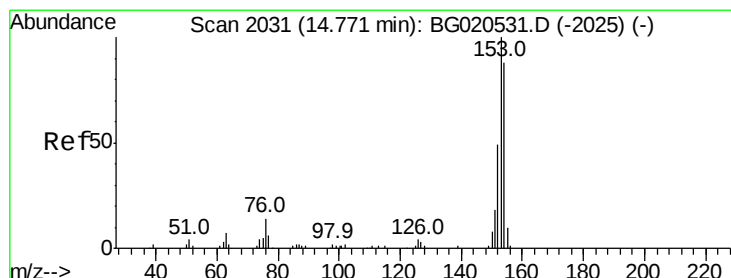
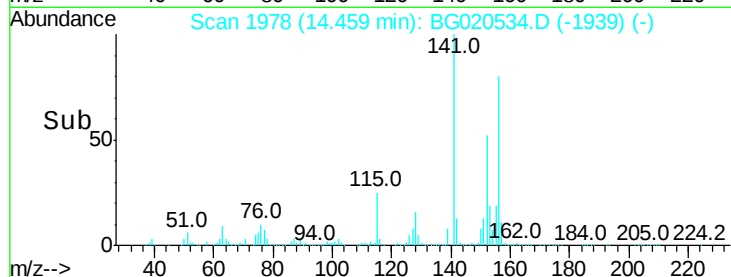
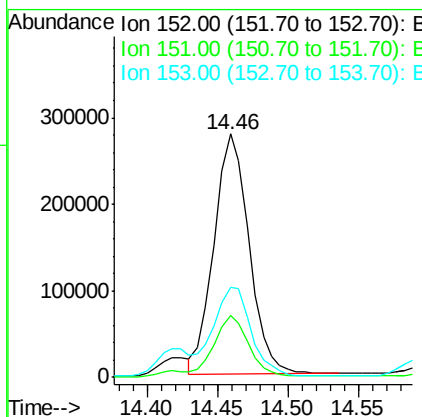
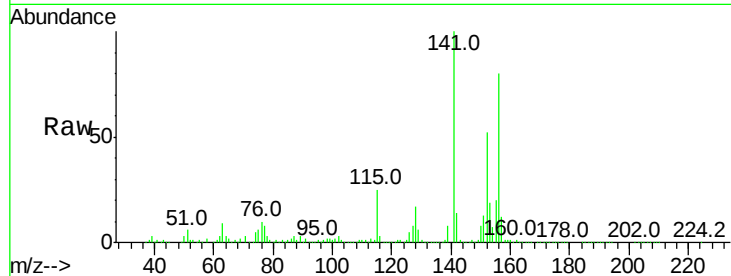
#48
Acenaphthylene
Concen: 55.29 ng/ul
RT: 14.46 min Scan# 1978
Delta R.T. 0.03 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Instrument :
BNA_G
ClientSampleId :
G9D88

Tot Ion	Ratio	Lower	Upper
152	100		
151	25.3	16.4	24.6#
153	36.7	10.4	15.6#

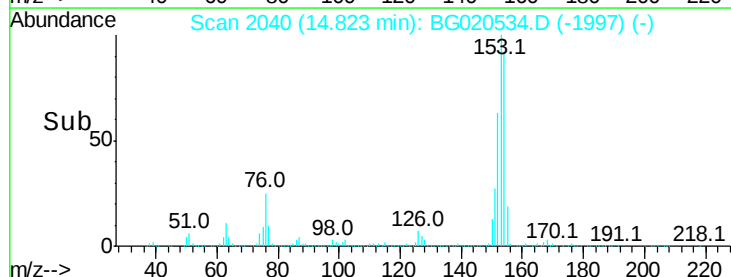
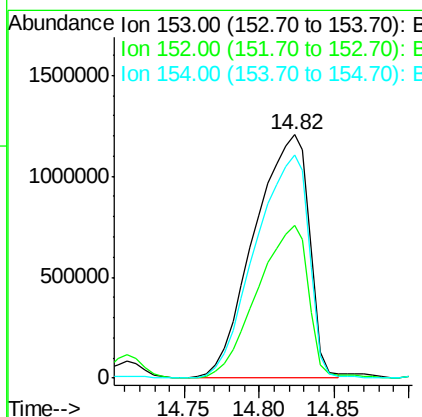
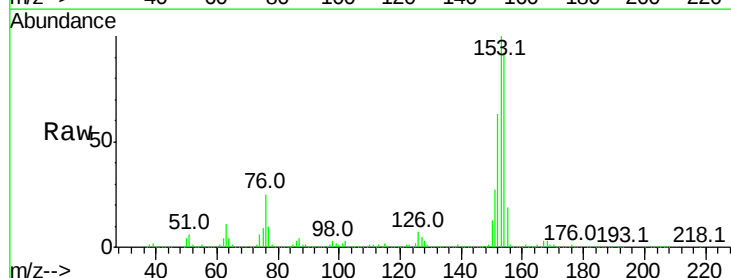
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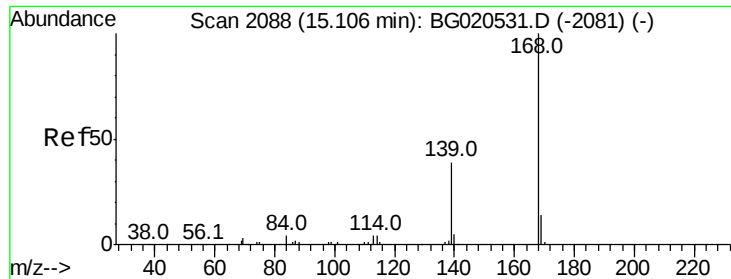
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#50
Acenaphthene
Concen: 525.18 ng/ul
RT: 14.82 min Scan# 2040
Delta R.T. 0.05 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Tgt Ion	Ratio	Lower	Upper
153	100		
152	62.9	37.6	56.4#
154	91.7	67.9	101.9





#54

Dibenzenofuran

Concen: 54.97 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

Tot Ion:168 Resp: 478249

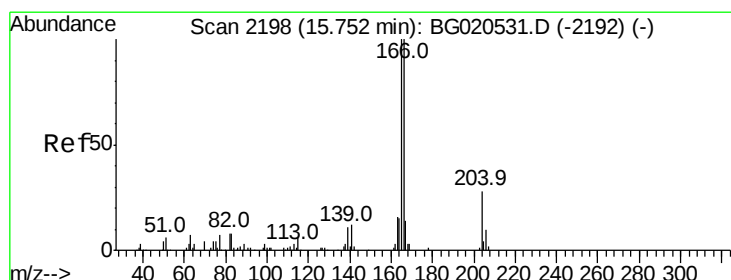
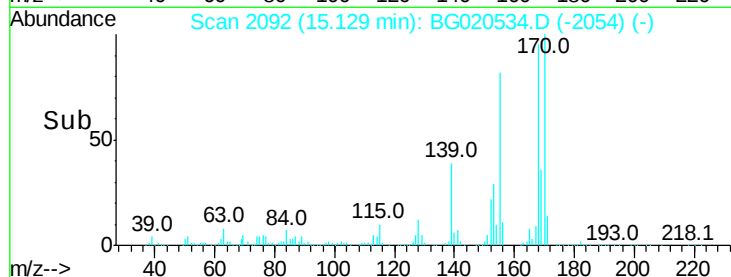
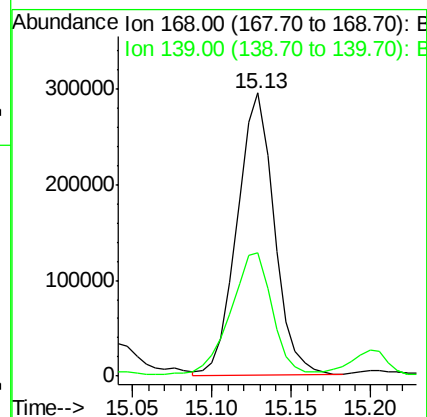
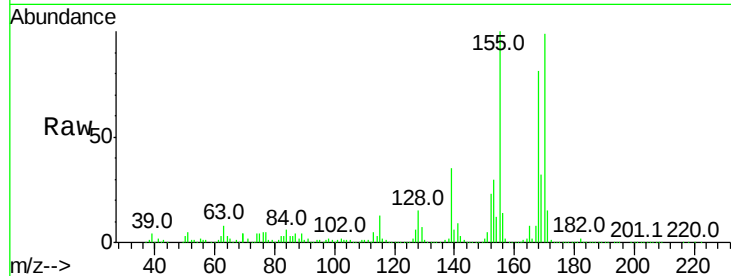
Ion Ratio Lower Upper

168 100

139 43.5 30.5 45.7

Manual Integrations
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#59

Fluorene

Concen: 312.00 ng/ul

RT: 15.80 min Scan# 2206

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

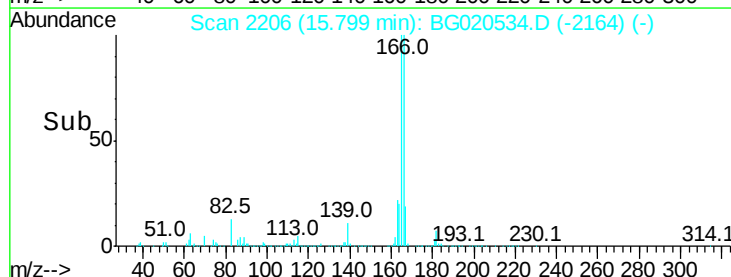
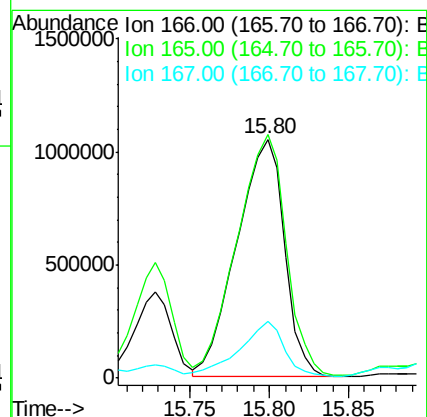
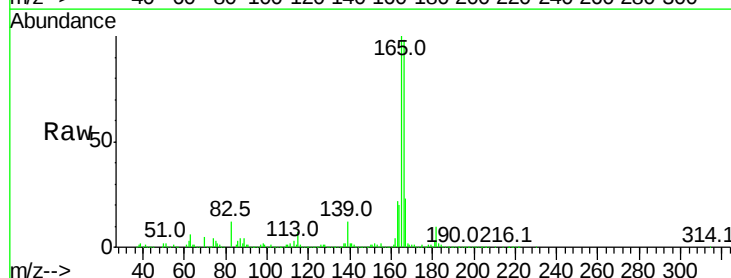
Tgt Ion:166 Resp: 2199756

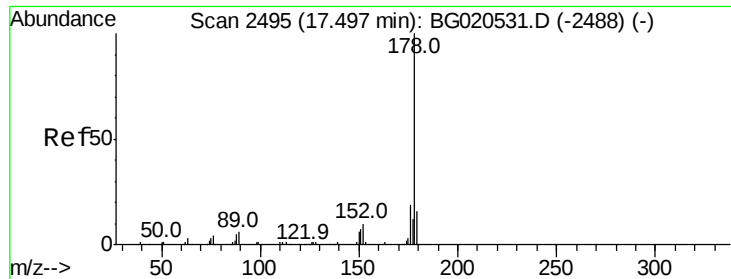
Ion Ratio Lower Upper

166 100

165 101.9 81.4 122.0

167 23.5 11.2 16.8#





#70

Phenanthrene

Concen: 804.18 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.07 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

Tot Ion:178 Resp: 6345215

Ion Ratio Lower Upper

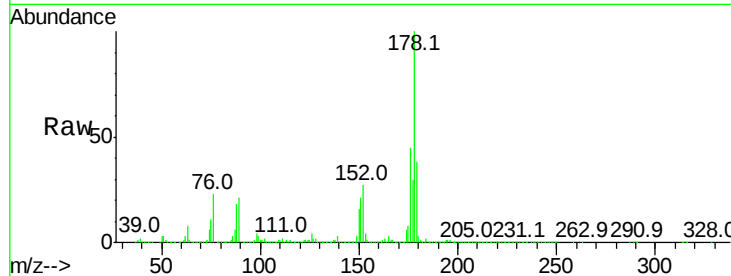
178 100

179 38.1 12.9 19.3#

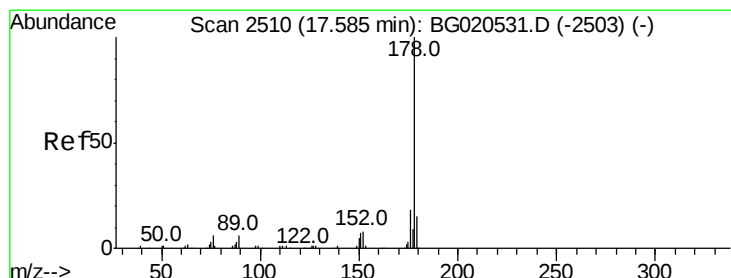
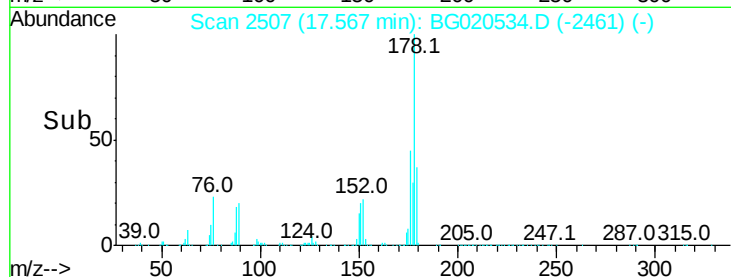
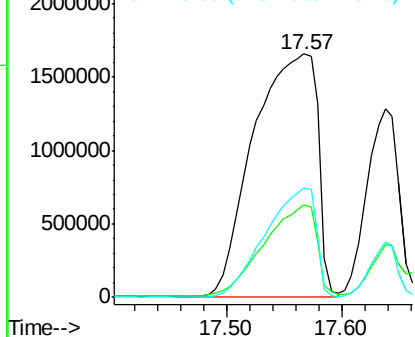
176 44.9 15.3 22.9#

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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: 295.91 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

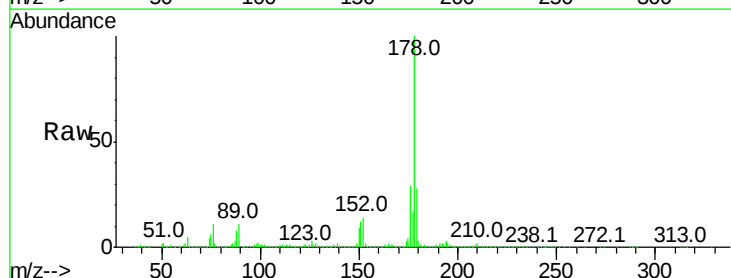
Tgt Ion:178 Resp: 2387519

Ion Ratio Lower Upper

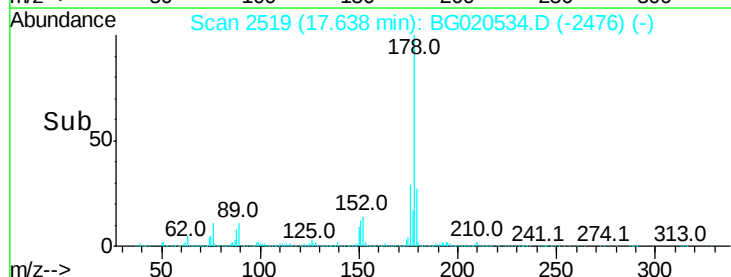
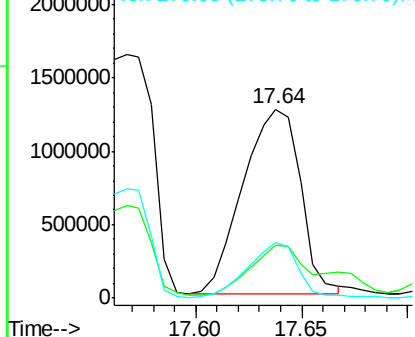
178 100

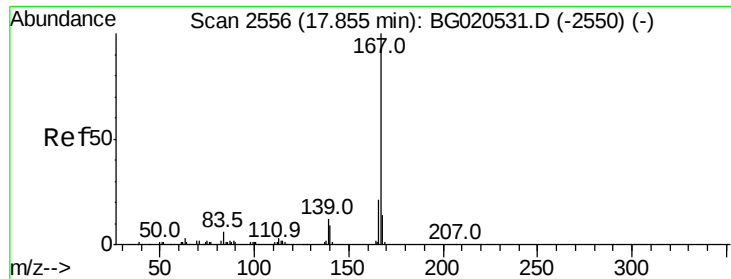
179 28.0 12.3 18.5#

176 29.5 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





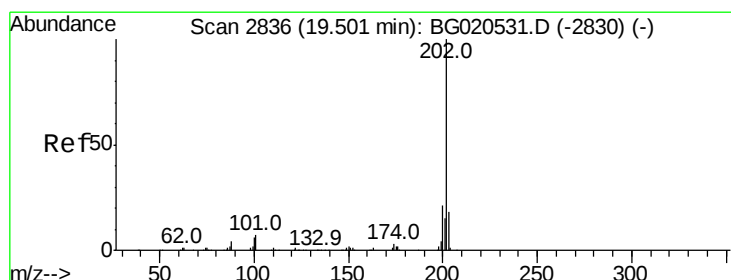
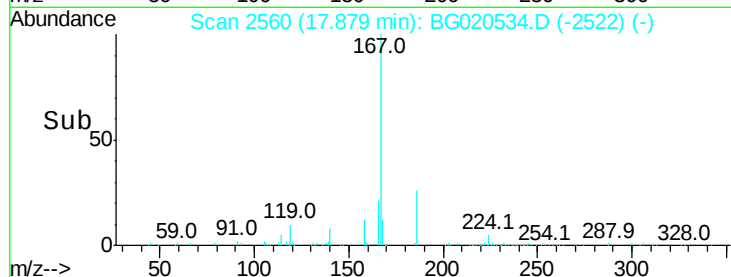
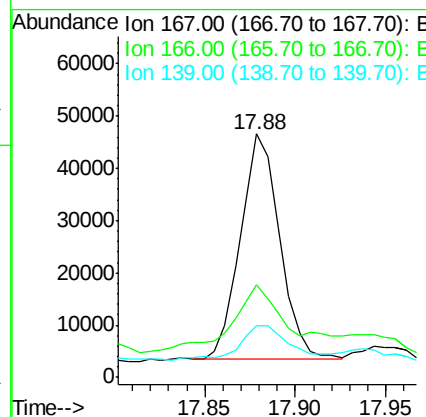
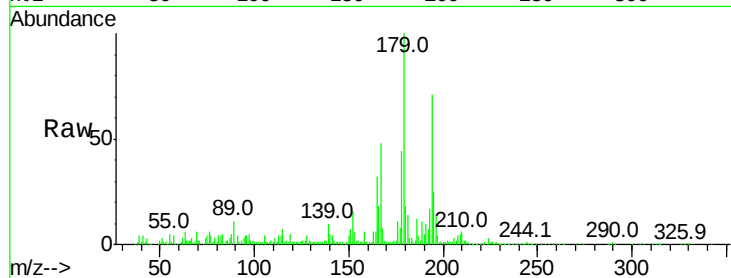
#75
 Carbazole
 Concen: 9.53 ng/ul
 RT: 17.88 min Scan# 2560
 Delta R.T. 0.02 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Instrument :
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Tot Ion	Ratio	Lower	Upper
167	100		
166	38.0	17.0	25.6#
139	21.4	10.1	15.1#

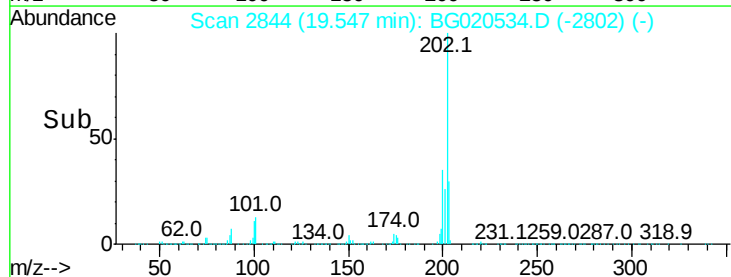
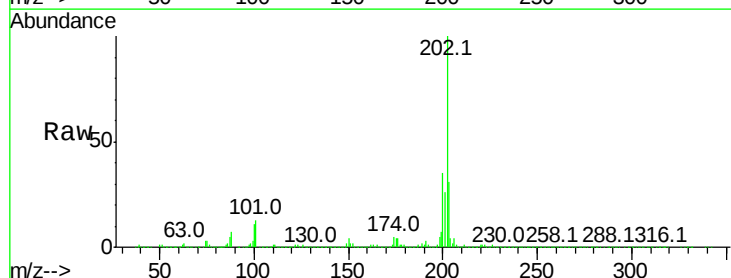
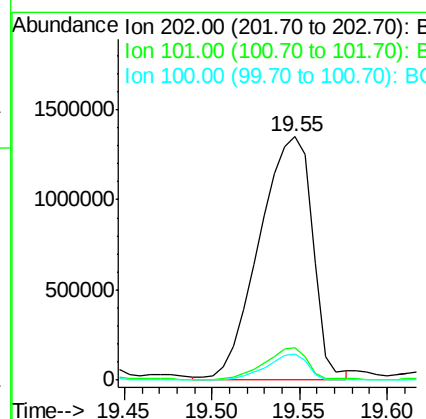
Manual Integrations
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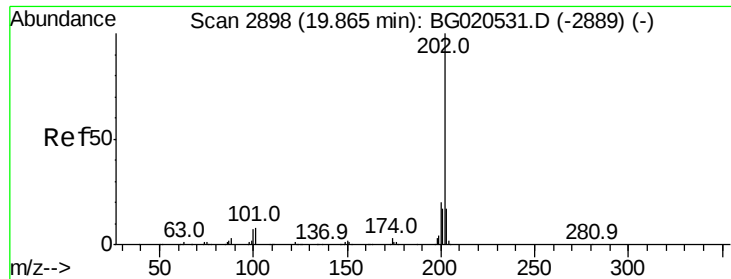
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#77
 Fluoranthene
 Concen: 289.96 ng/ul m
 RT: 19.55 min Scan# 2844
 Delta R.T. 0.05 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	6.2	9.4#
100	10.6	5.1	7.7#





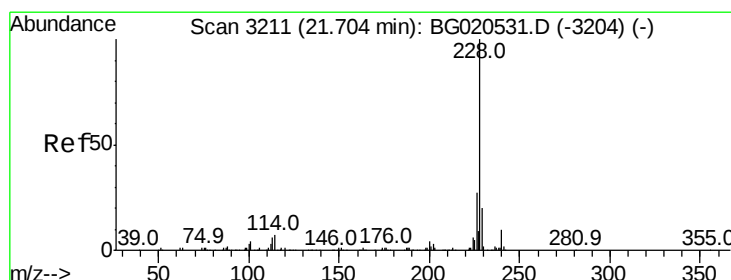
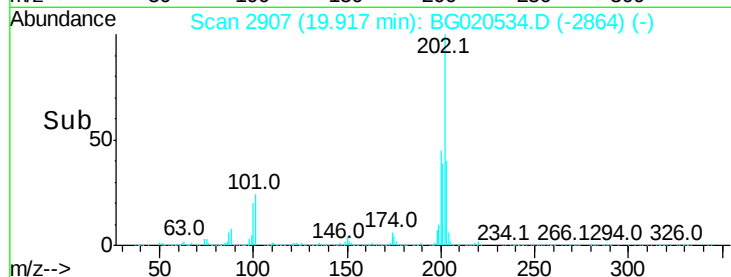
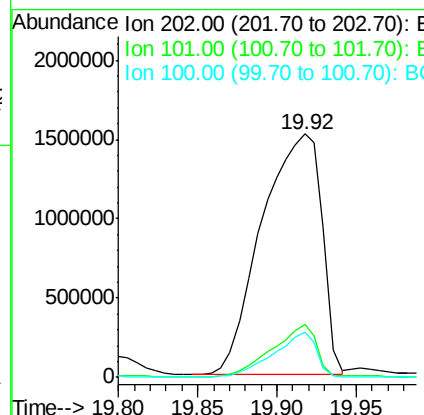
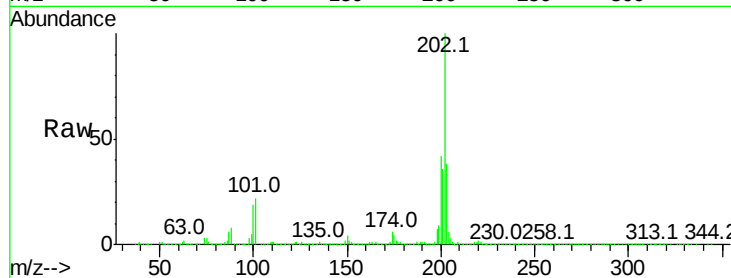
#80
Pvrene
Concen: 374.71 ng/ul
RT: 19.92 min Scan# 2907
Delta R.T. 0.05 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Instrument :
BNA_G
ClientSampleId :
G9D88

Tot Ion	Ratio	Lower	Upper
202	100		
101	22.0	7.0	10.4#
100	18.5	6.4	9.6#

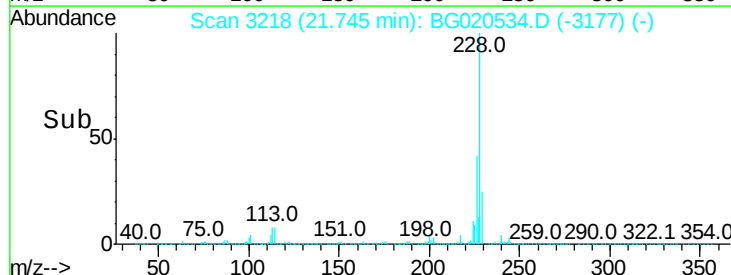
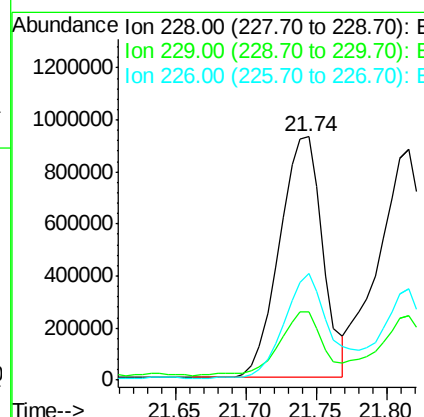
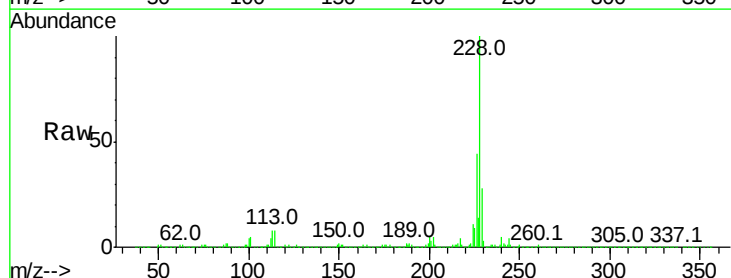
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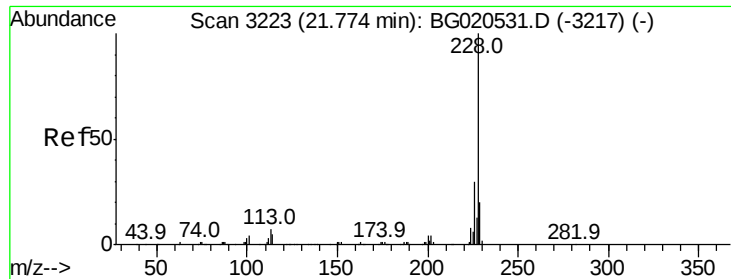
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#83
Benzo(a)anthracene
Concen: 179.44 ng/ul
RT: 21.74 min Scan# 3218
Delta R.T. 0.04 min
Lab File: BG020534.D
Acq: 26 Dec 2015 10:55

Tgt Ion	Ratio	Lower	Upper
228	100		
229	28.2	15.8	23.8#
226	43.6	21.8	32.6#





#85

Chrysene

Concen: 178.74 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.04 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88

Tot Ion:228 Resp: 1879248

Ion Ratio Lower Upper

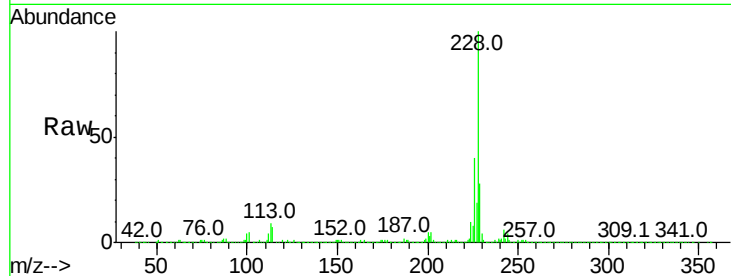
228 100

226 39.7 23.9 35.9#

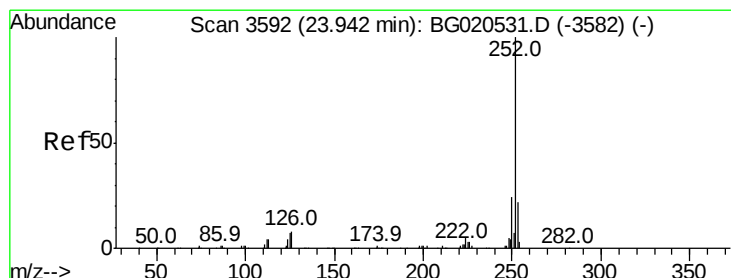
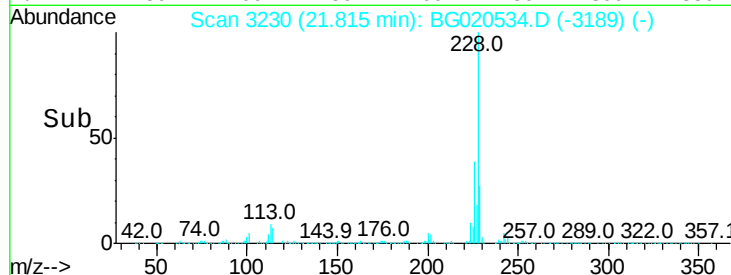
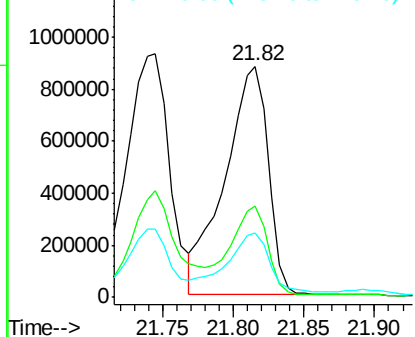
229 27.9 15.6 23.4#

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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: 105.88 ng/ul

RT: 24.01 min Scan# 3603

Delta R.T. 0.06 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

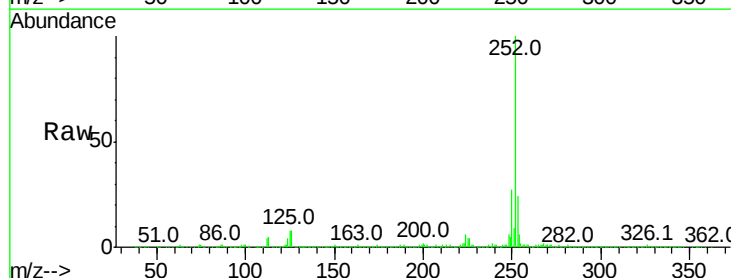
Tgt Ion:252 Resp: 1157214

Ion Ratio Lower Upper

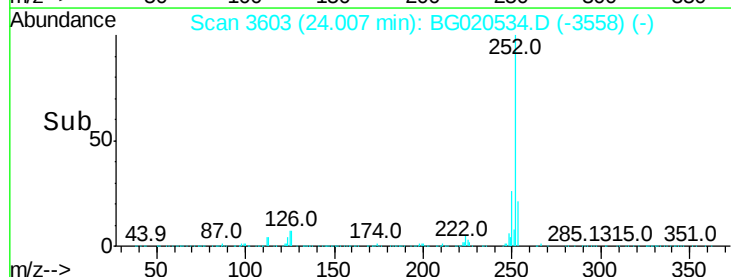
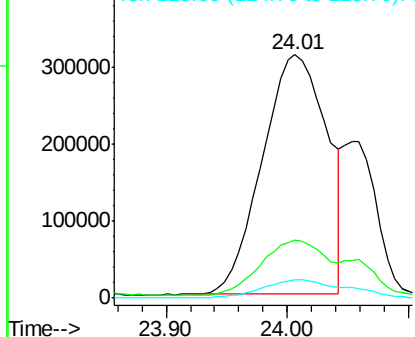
252 100

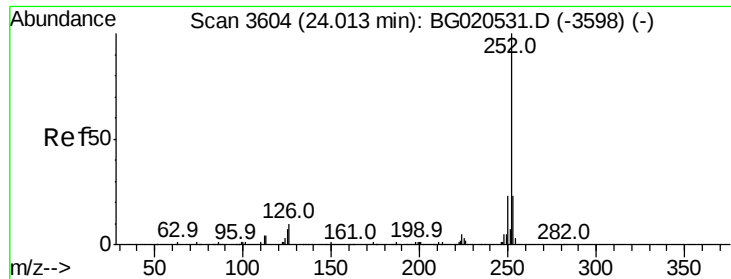
253 24.0 16.7 25.1

125 7.7 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: 38.05 ng/ul m

RT: 24.06 min Scan# 3612

Delta R.T. 0.05 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

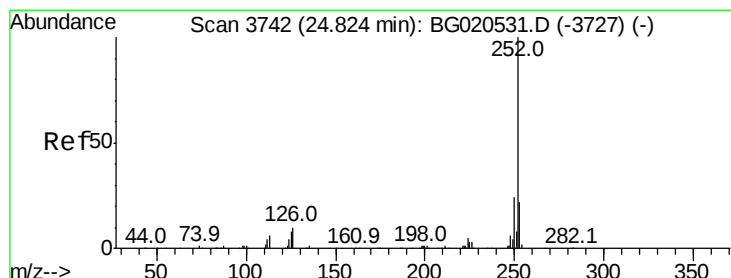
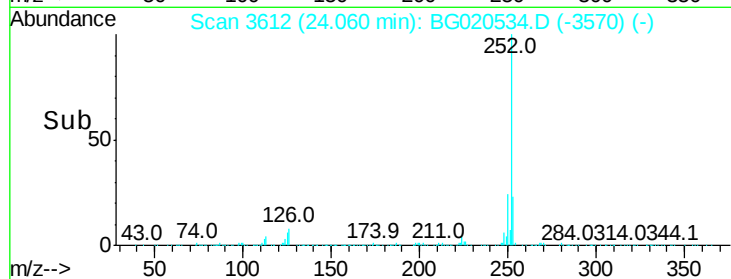
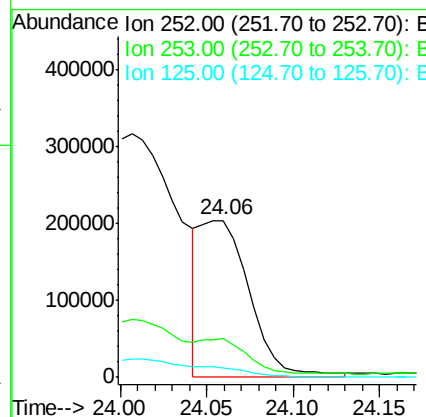
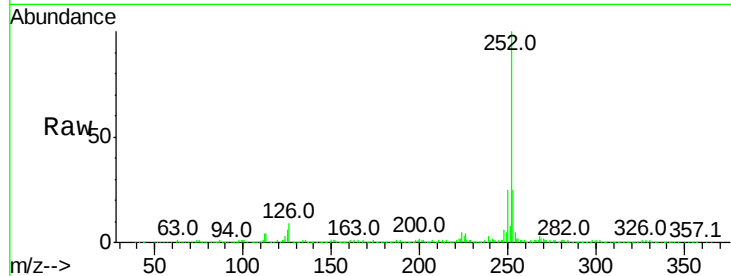
ClientSampleId :

G9D88

Tot Ion:	252	Resp:	402038
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	6.4	5.8	8.6

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#91

Benzo(a)pyrene

Concen: 133.59 ng/ul

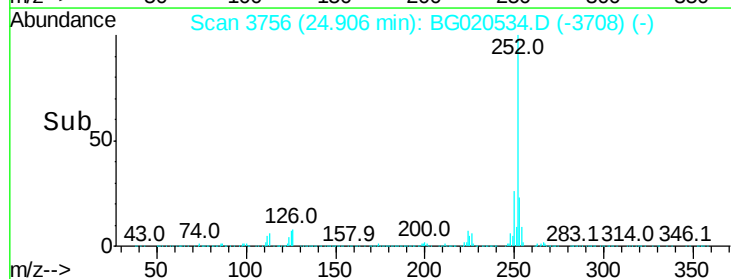
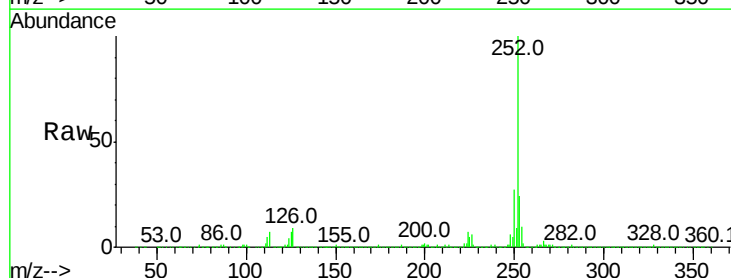
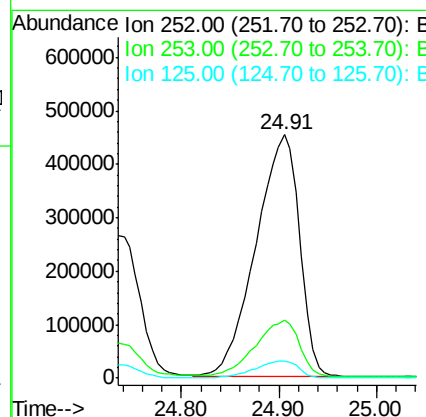
RT: 24.91 min Scan# 3756

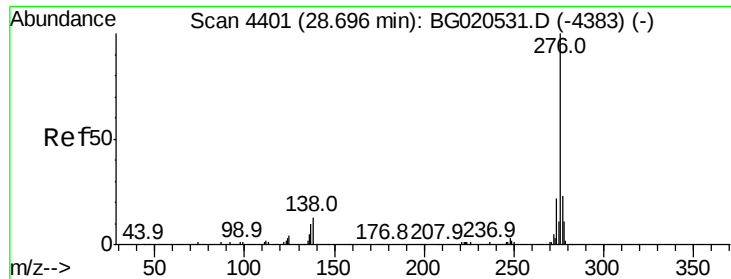
Delta R.T. 0.08 min

Lab File: BG020534.D

Acq: 26 Dec 2015 10:55

Tgt Ion:	252	Resp:	1403364
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.0	25.4
125	7.2	6.2	9.4





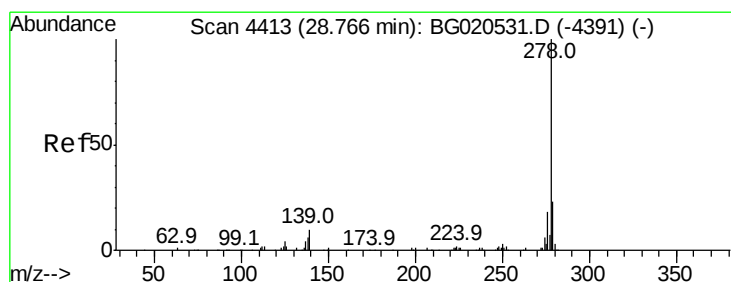
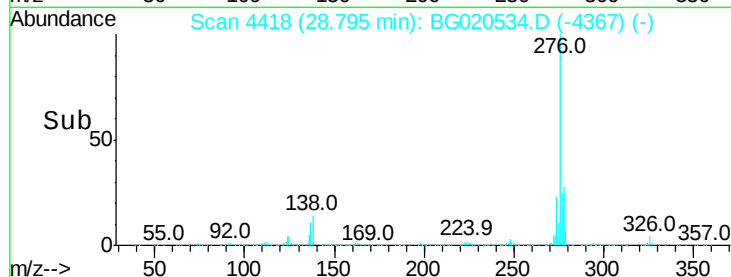
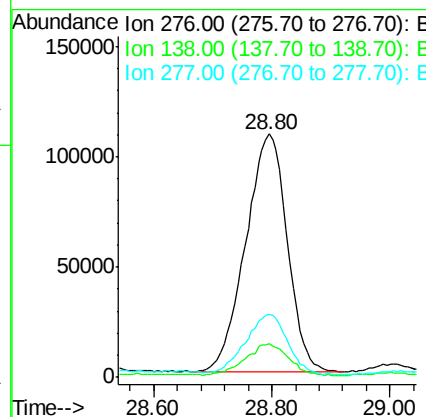
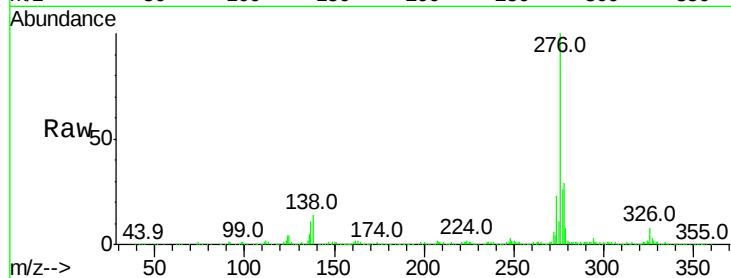
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 42.19 ng/ul
 RT: 28.80 min Scan# 4418
 Delta R.T. 0.10 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Instrument :
 BNA_G
 ClientSampleId :
 G9D88

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.4	17.0
277	25.7	17.4	26.0

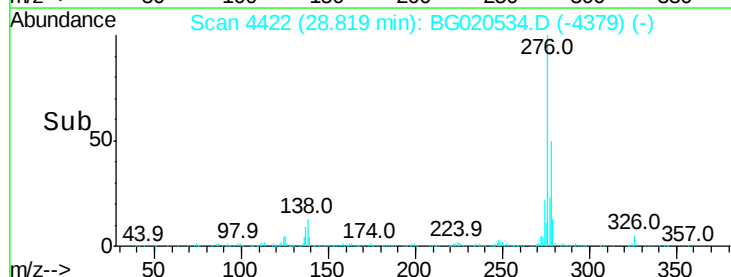
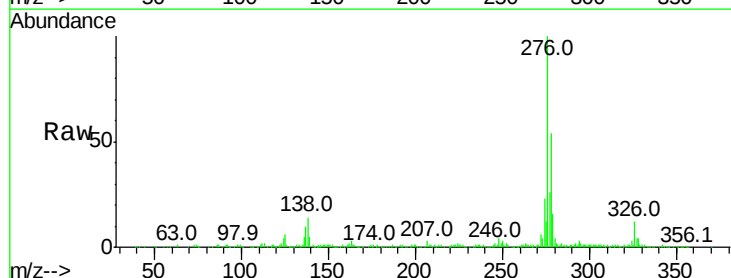
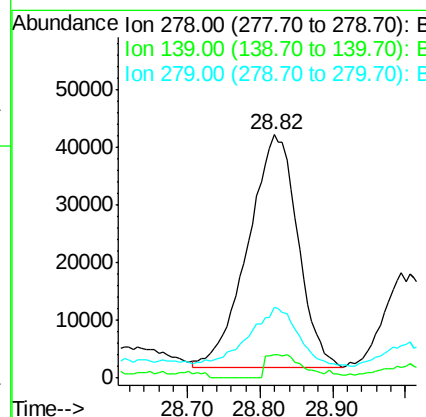
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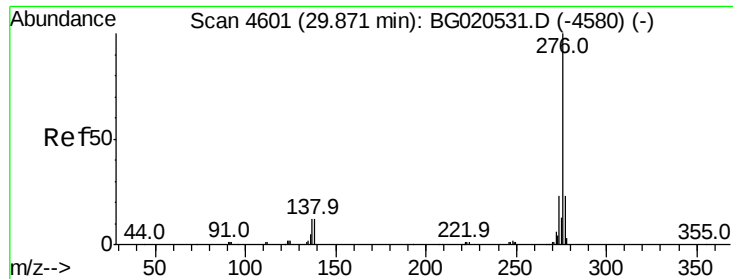
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#93
 Dibenzo(a,h)anthracene
 Concen: 18.40 ng/ul
 RT: 28.82 min Scan# 4422
 Delta R.T. 0.05 min
 Lab File: BG020534.D
 Acq: 26 Dec 2015 10:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.7	9.4	14.2
279	29.3	19.4	29.0#





#94

Benzo(a,h,i)perylene

Concen: 58.13 ng/ul

RT: 29.98 min Scan# 4620

Delta R.T. 0.11 min

Lab File: BG020534.D

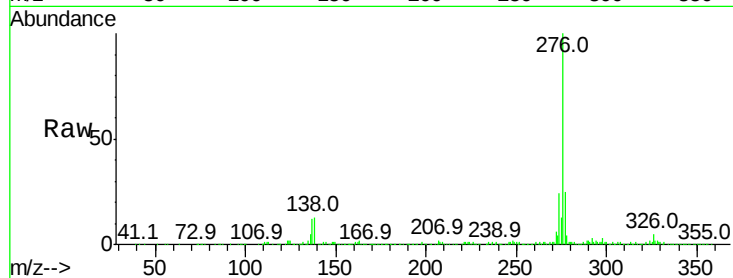
Acq: 26 Dec 2015 10:55

Instrument :

BNA_G

ClientSampleId :

G9D88



Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	10.8	16.2
277	24.6	19.9	29.9

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