

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020532.D
 Acq On : 26 Dec 2015 9:36
 Operator : UM/SJ
 Sample : G4802-10
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D85

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:06:40 PM

Quant Time: Dec 28 06:31:35 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:12:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20986	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	89786	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	63133	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	138900	20.00	ng/ul	0.02
78) Chrysene-d12	21.79	240	179624	20.00	ng/ul	0.06
86) Perylene-d12	25.09	264	184054	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	987	2.59	ng/uL	0.00
5) Phenol-d5	7.23	99	22335	13.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	22753	22.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	10151	7.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	31761	22.42	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	17890	25.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	2382	2.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	8587	5.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	26610	15.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	120182	23.10	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	151560	25.14	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.70	176	118549	25.19	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.58	188	178384	27.42	ng/ul	0.03
79) Pyrene-d10	19.87	212	214016	27.52	ng/ul	0.04
90) Benzo(a)pyrene-d12	24.86	264	247719	26.62	ng/ul	0.10

Target Compounds

					Ovalue	
14) Acetophenone	8.90	105	16056	7.07	ng/ul	91
28) Naphthalene	10.94	128	137193	28.74	ng/ul	97
34) 2-Methylnaphthalene	12.54	142	139797	39.58	ng/ul	97
41) 1,1'-Biphenyl	13.54	154	91527	18.78	ng/ul	97
45) Dimethylphthalate	14.16	163	50466	9.54	ng/ul#	88
48) Acenaphthylene	14.44	152	361192	57.00	ng/ul	97
50) Acenaphthene	14.77	153	87072	20.32	ng/ul	96
54) Dibenzofuran	15.10	168	33963	5.33	ng/ul	93
59) Fluorene	15.76	166	750173	145.23	ng/ul	98
70) Phenanthrene	17.55	178	5371835m	695.07	ng/ul	
72) Anthracene	17.61	178	1211294	153.27	ng/ul#	91
75) Carbazole	17.86	167	14604	2.19	ng/ul#	66
77) Fluoranthene	19.57	202	5053811m	519.99	ng/ul	
80) Pyrene	19.95	202	6944208	683.63	ng/ul#	22
83) Benzo(a)anthracene	21.77	228	4649556	440.76	ng/ul#	64
85) Chrysene	21.85	228	4452043	443.07	ng/ul#	59
88) Benzo(b)fluoranthene	24.08	252	6249642	565.70	ng/ul#	87
89) Benzo(k)fluoranthene	24.13	252	1437510m	134.61	ng/ul	
91) Benzo(a)pyrene	24.97	252	4141462	390.03	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	28.95	276	3390273m	266.57	ng/ul	
93) Dibenzo(a,h)anthracene	28.96	278	1042451	98.78	ng/ul	98
94) Benzo(a,h,i)perylene	30.16	276	3765997m	360.53	ng/ul	

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ALS Vial : 69 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D85

Manual Integrations
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Quant Time: Dec 28 06:31:35 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:12:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

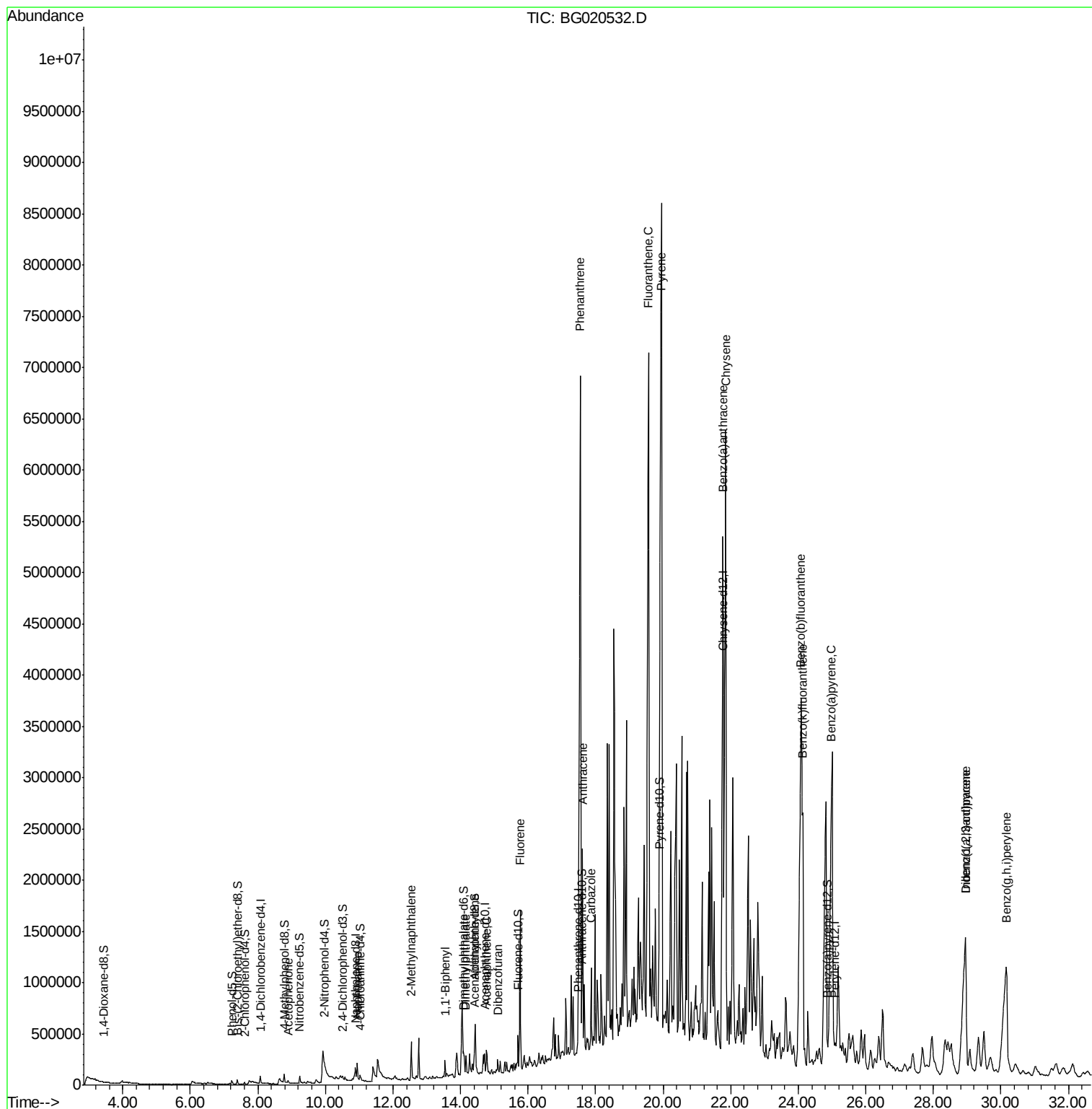
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
Data File : BG020532.D
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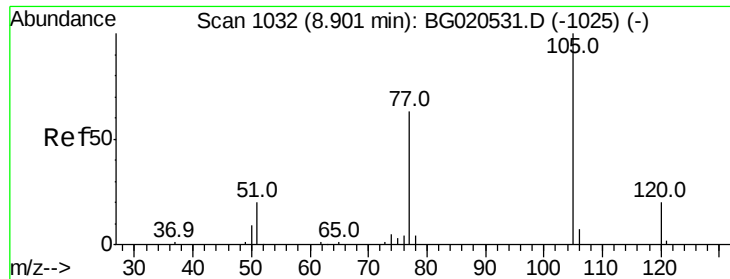
Instrument :
BNA_G
ClientSampled :
G9D85

Manual Integrations
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12/28/2015 6:06:40 PM

Quant Time: Dec 28 06:31:35 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#14

Acetophenone

Concen: 7.07 ng/ul

RT: 8.90 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

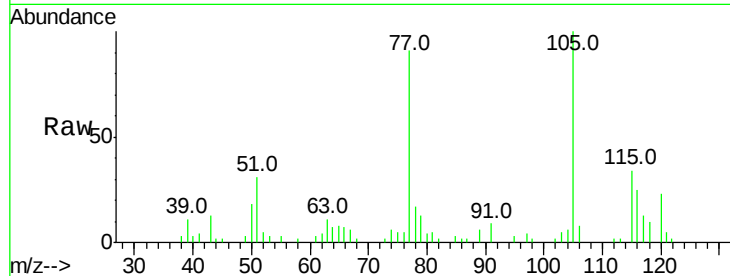
ClientSampleId :

G9D85

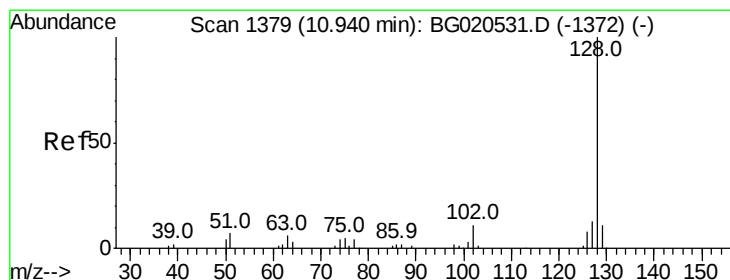
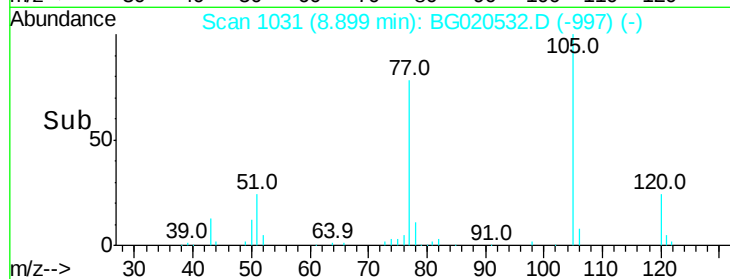
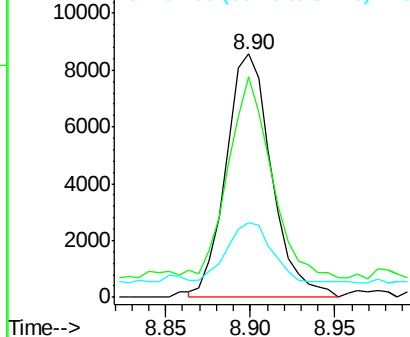
Tot Ion:	105	Resp:	16056
Ion Ratio	Lower	Upper	
105	100		
77	90.5	65.2	97.8
51	30.9	22.6	33.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 51.00 (50.70 to 51.70): BG



#28

Naphthalene

Concen: 28.74 ng/ul

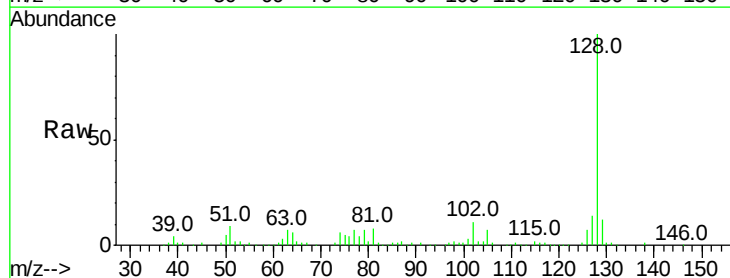
RT: 10.94 min Scan# 1379

Delta R.T. 0.00 min

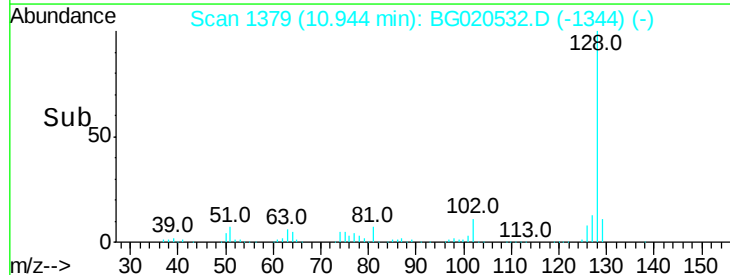
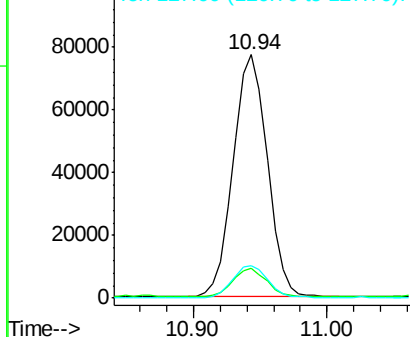
Lab File: BG020532.D

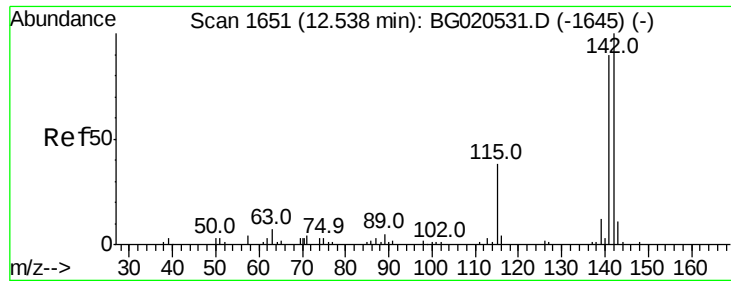
Acq: 26 Dec 2015 9:36

Tgt Ion:	128	Resp:	137193
Ion Ratio	Lower	Upper	
128	100		
129	12.2	8.6	12.8
127	13.6	10.1	15.1



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





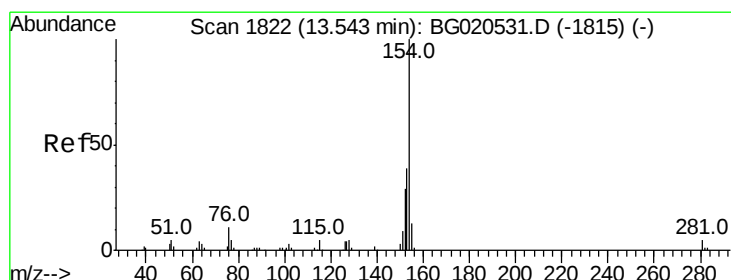
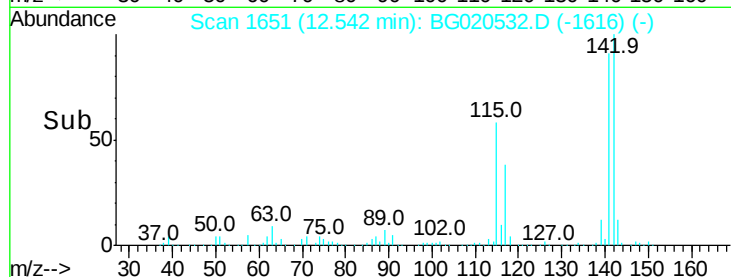
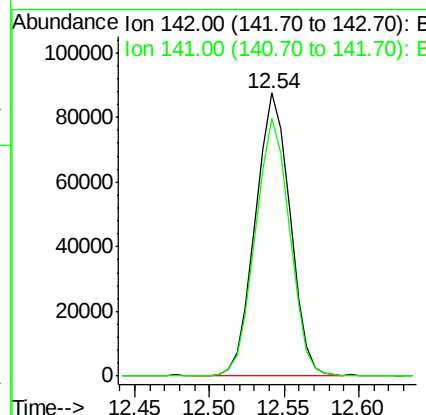
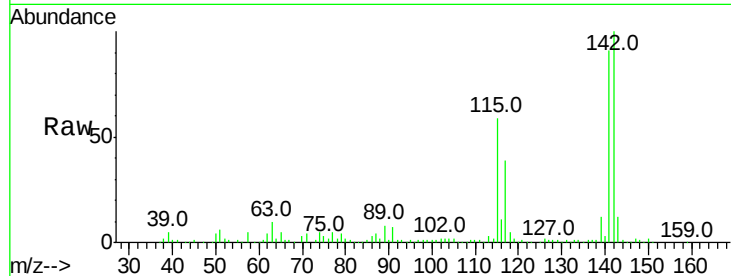
#34
 2-Methylnaphthalene
 Concen: 39.58 ng/ul
 RT: 12.54 min Scan# 1651
 Delta R.T. 0.00 min
 Lab File: BG020532.D
 Acq: 26 Dec 2015 9:36

Instrument :
 BNA_G
 ClientSampled :
 G9D85

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.2	74.9	112.3

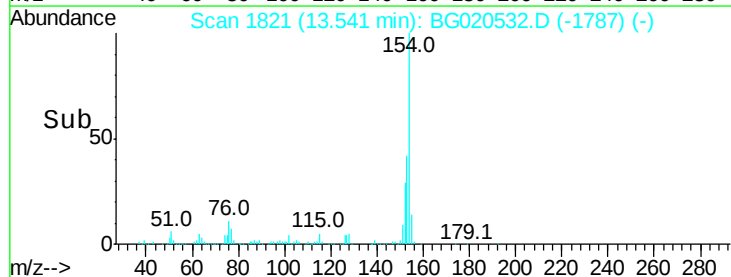
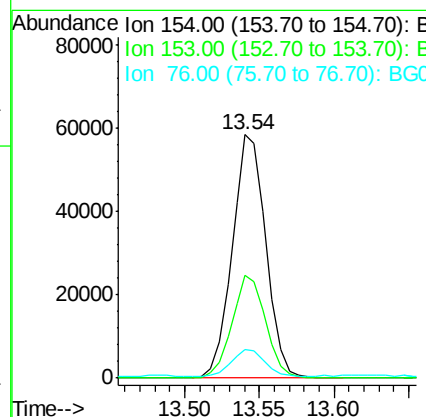
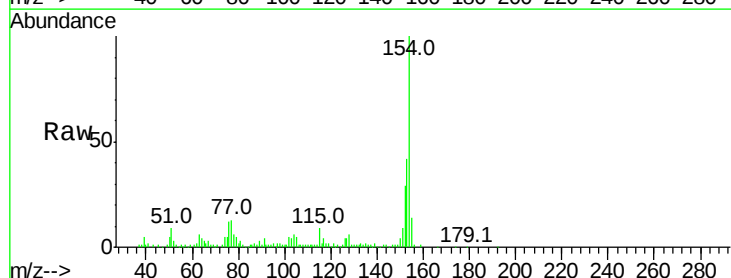
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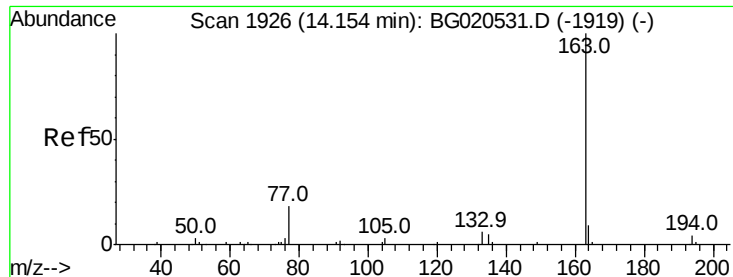
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#41
 1,1'-Biphenyl
 Concen: 18.78 ng/ul
 RT: 13.54 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BG020532.D
 Acq: 26 Dec 2015 9:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	35.5	53.3
76	11.6	10.4	15.6





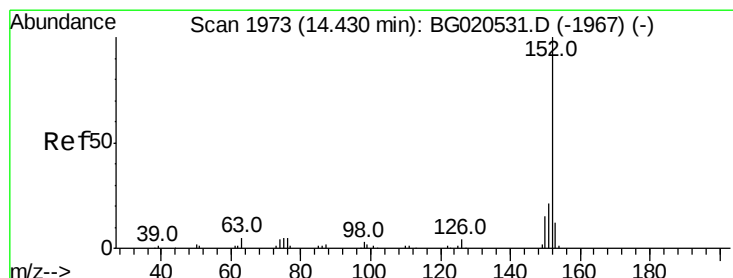
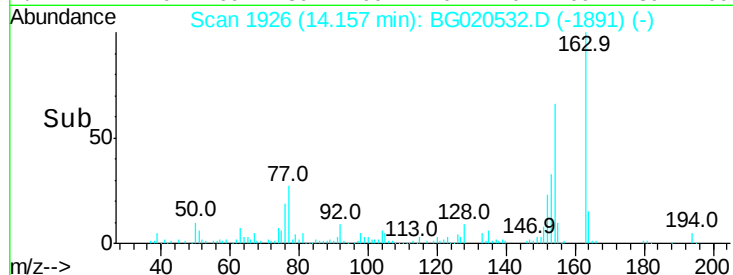
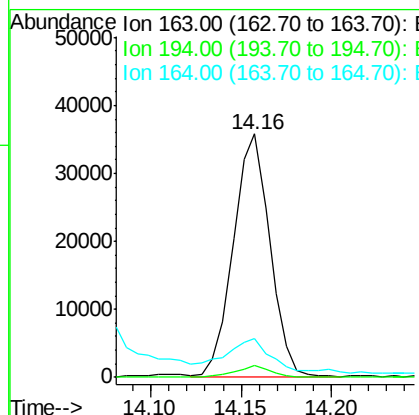
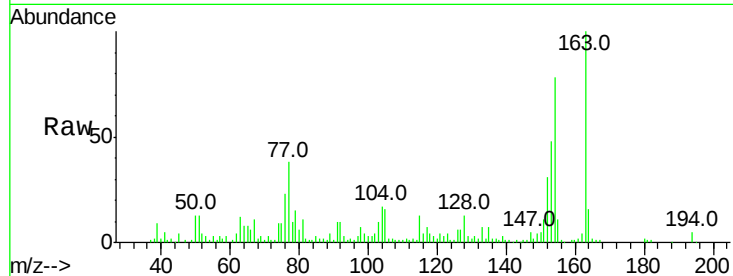
#45
Dimethylphthalate
Concen: 9.54 ng/ul
RT: 14.16 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Instrument :
BNA_G
ClientSampleID :
G9D85

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.9	3.5	5.3	
164	15.9	7.7	11.5	

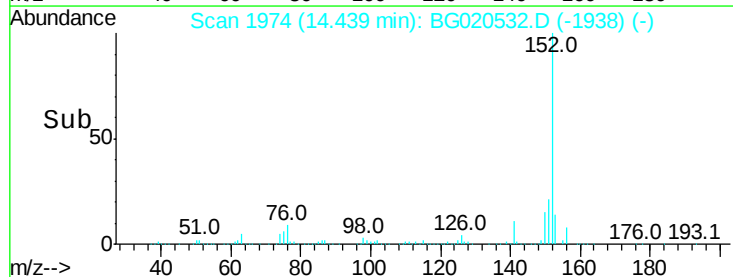
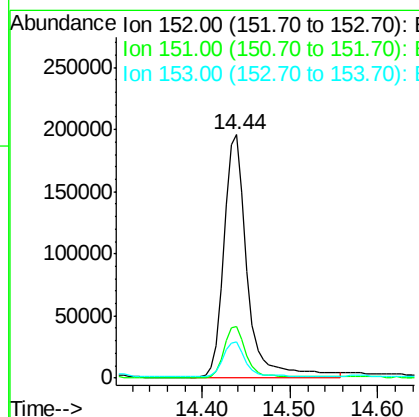
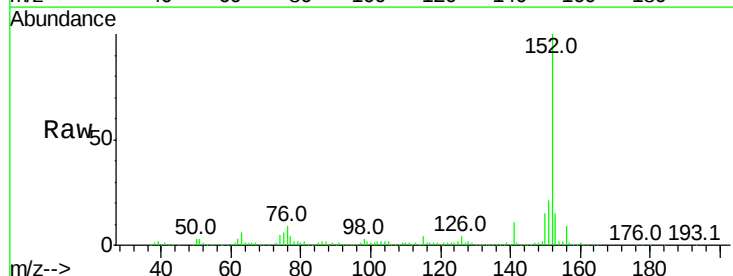
Manual Integrations
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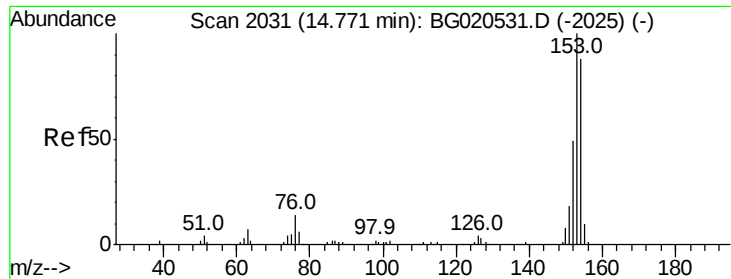
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#48
Acenaphthylene
Concen: 57.00 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	21.3	16.4	24.6	
153	15.1	10.4	15.6	





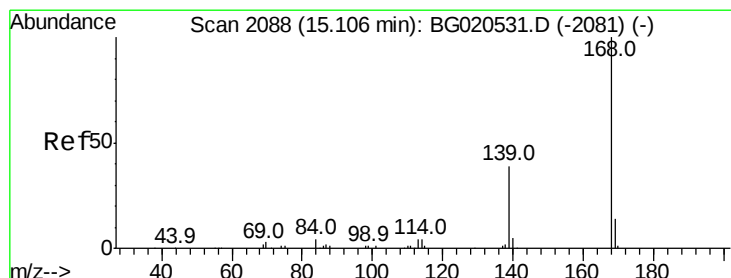
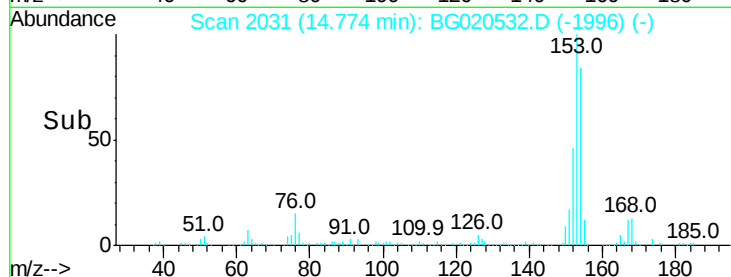
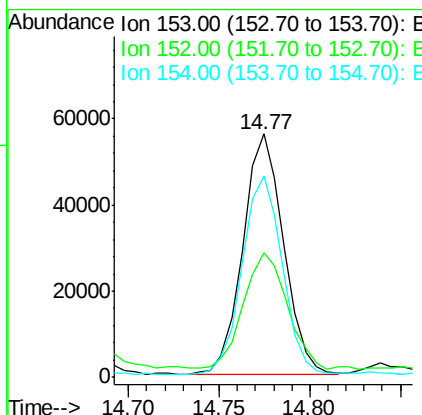
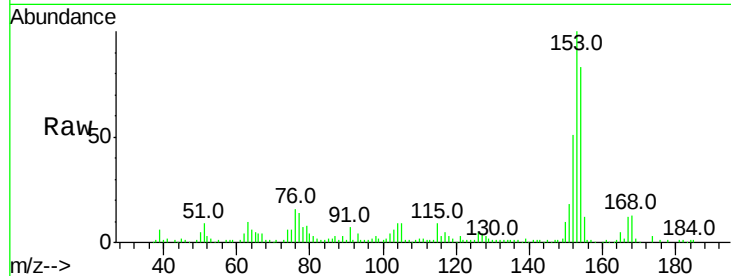
#50
Acenaphthene
Concen: 20.32 ng/ul
RT: 14.77 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Instrument :
BNA_G
ClientSampleId :
G9D85

Tot Ion	Ratio	Lower	Upper
153	100		
152	51.0	37.6	56.4
154	82.6	67.9	101.9

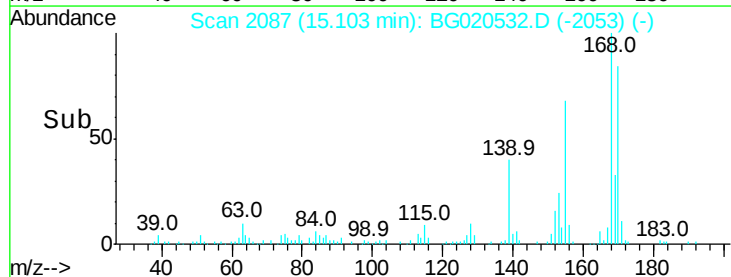
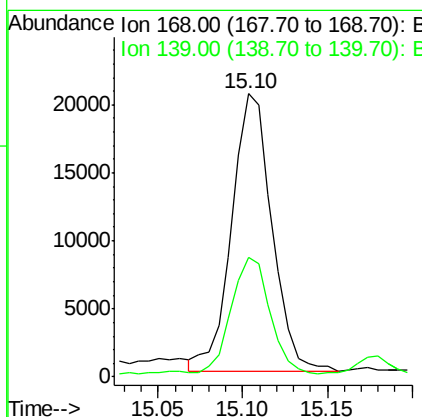
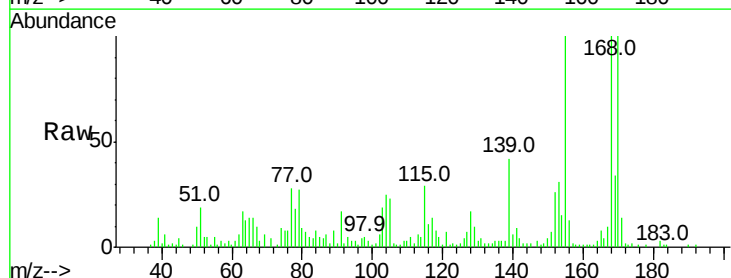
Manual Integrations
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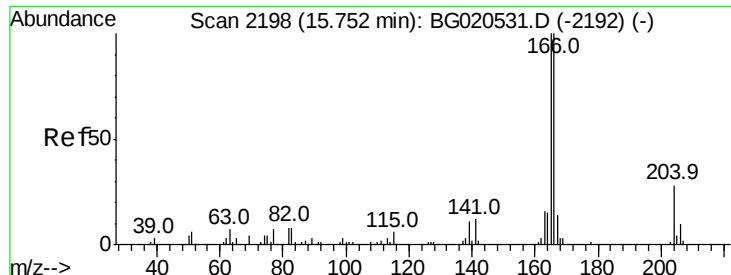
Sohil
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#54
Dibenzofuran
Concen: 5.33 ng/ul
RT: 15.10 min Scan# 2087
Delta R.T. -0.00 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.3	30.5	45.7





#59

Fluorene

Concen: 145.23 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

ClientSampleId :

G9D85

Tot Ion:166 Resp: 750173

Ion Ratio Lower Upper

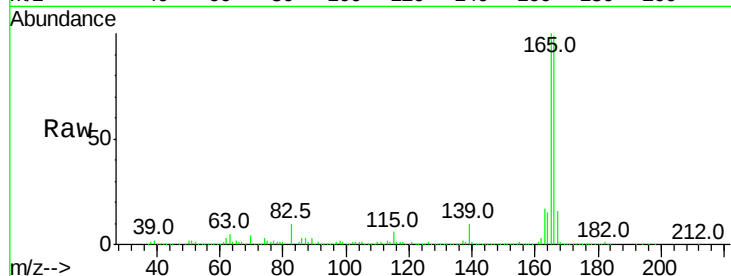
166 100

165 100.6 81.4 122.0

167 15.8 11.2 16.8

Manual Integrations
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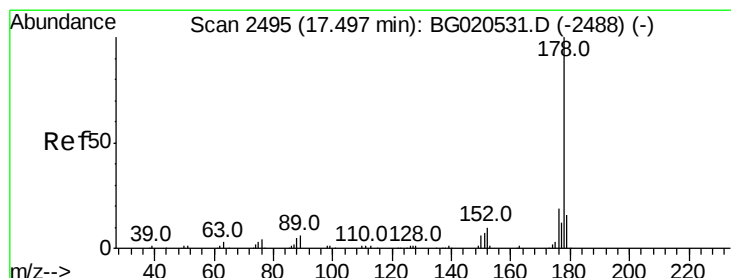
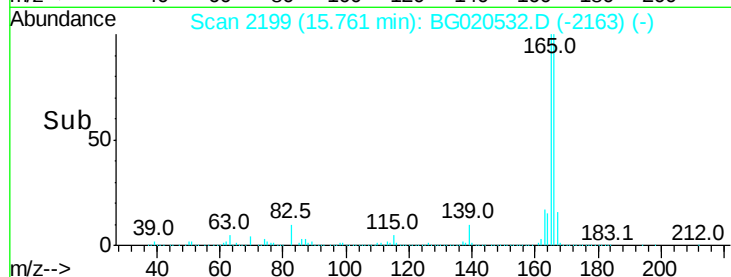
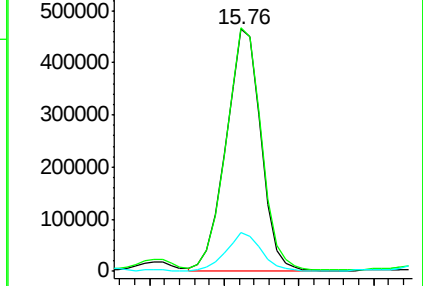
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 695.07 ng/ul m

RT: 17.55 min Scan# 2503

Delta R.T. 0.05 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

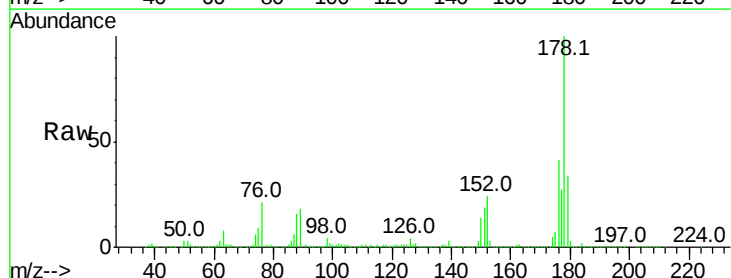
Tgt Ion:178 Resp: 5371835

Ion Ratio Lower Upper

178 100

179 34.1 12.9 19.3#

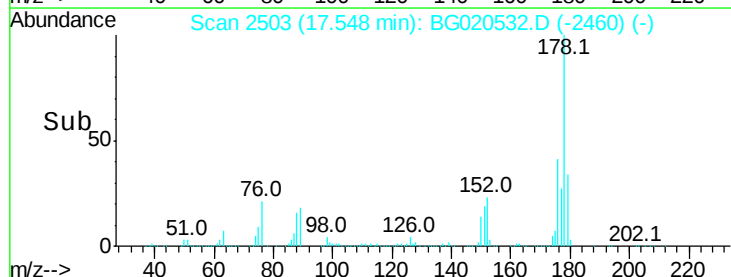
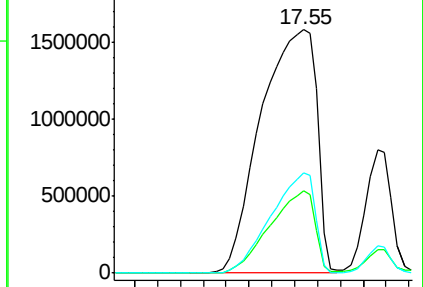
176 41.3 15.3 22.9#

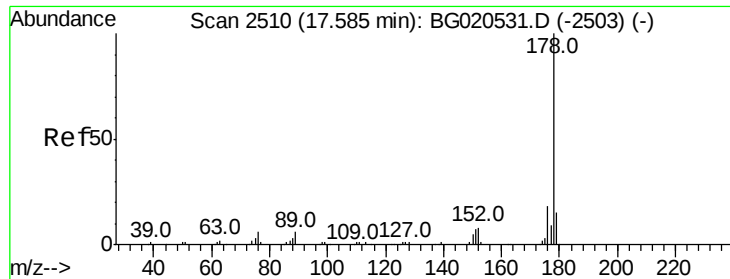


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 153.27 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.03 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

ClientSampleID :

G9D85

Tot Ion:178 Resp: 1211294

Ion Ratio Lower Upper

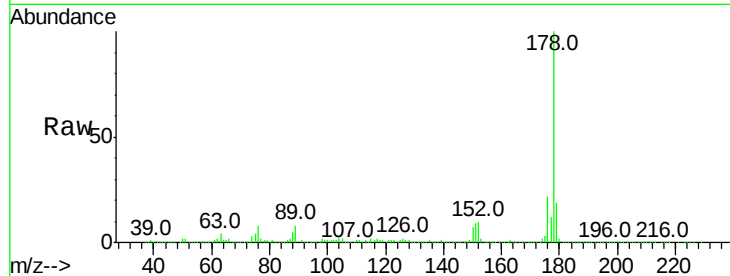
178 100

179 19.1 12.3 18.5#

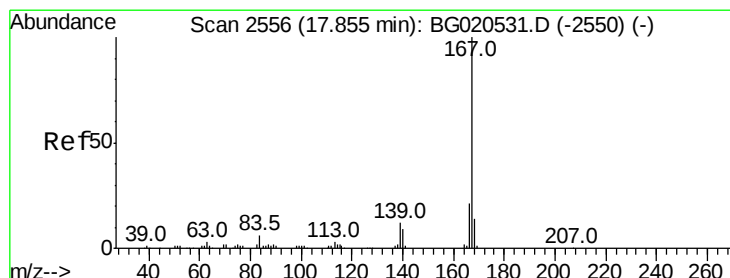
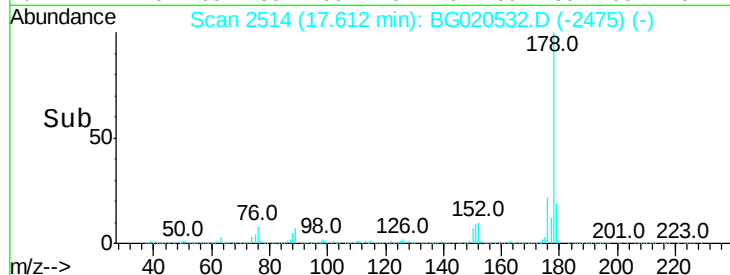
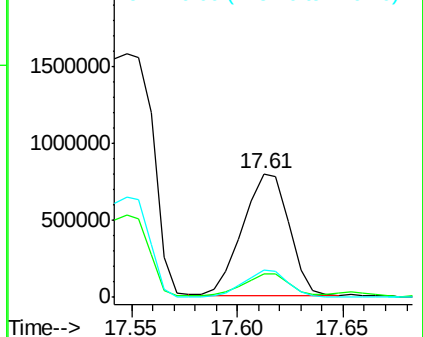
176 21.7 14.3 21.5#

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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



#75

Carbazole

Concen: 2.19 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

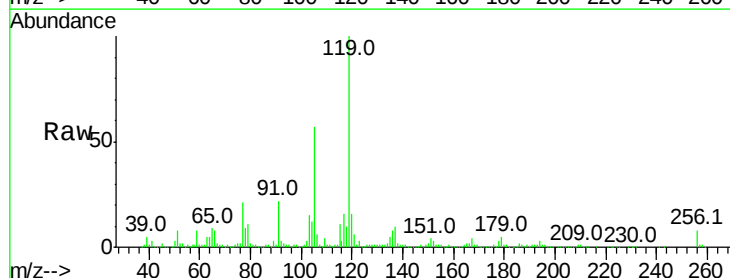
Tgt Ion:167 Resp: 14604

Ion Ratio Lower Upper

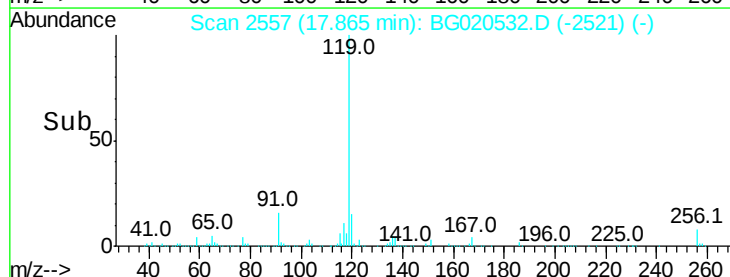
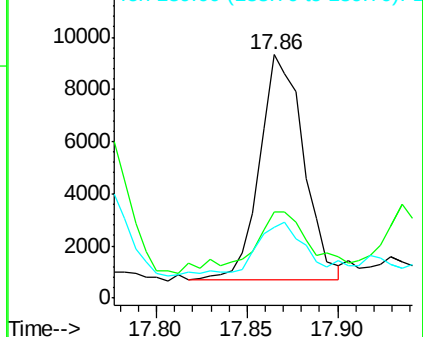
167 100

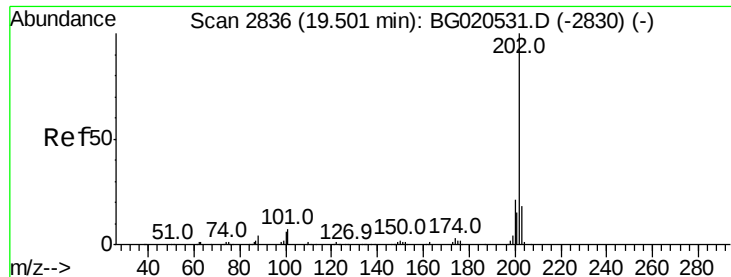
166 35.4 17.0 25.6#

139 29.2 10.1 15.1#



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: 519.99 ng/ul m

RT: 19.57 min Scan# 2847

Delta R.T. 0.07 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

ClientSampleId :

G9D85

Tot Ion:202 Resp: 5053811

Ion Ratio Lower Upper

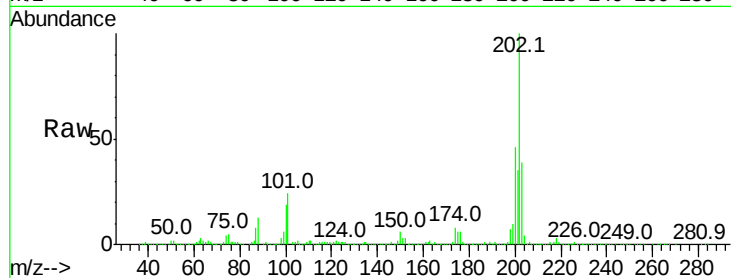
202 100

101 23.9 6.2 9.4#

100 19.4 5.1 7.7#

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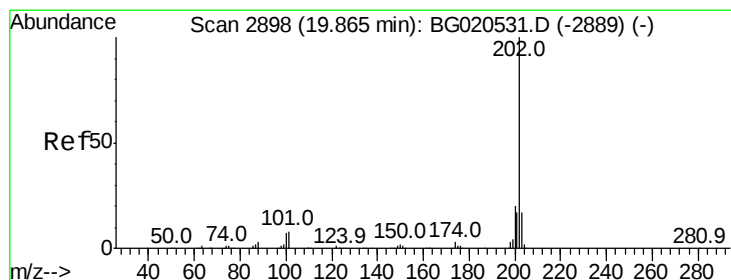
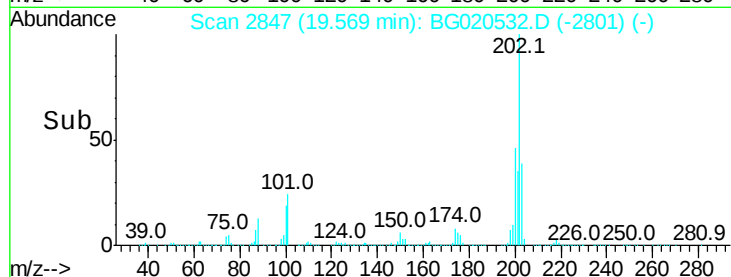
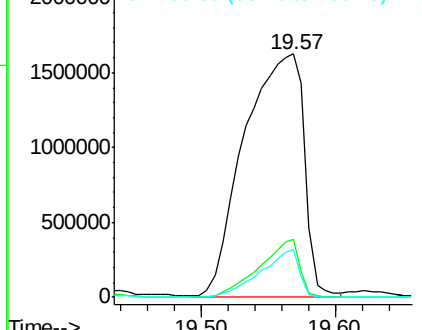
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 683.63 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. 0.09 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

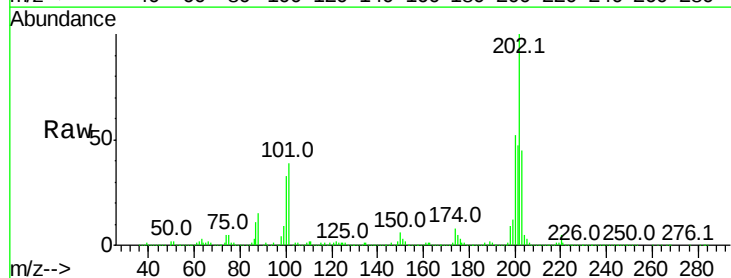
Tgt Ion:202 Resp: 6944208

Ion Ratio Lower Upper

202 100

101 38.6 7.0 10.4#

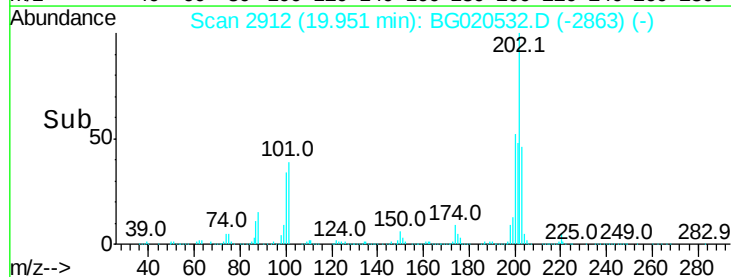
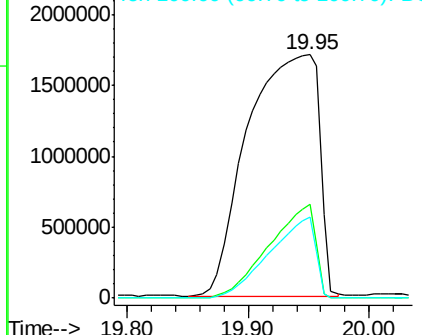
100 33.5 6.4 9.6#

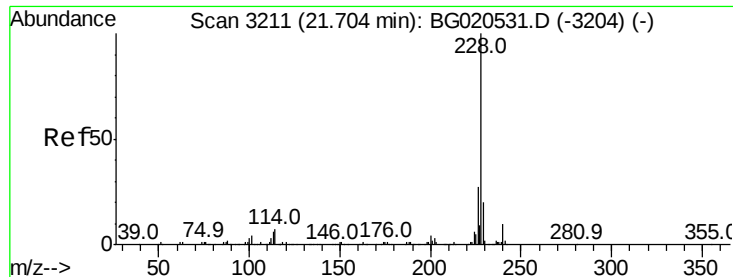


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





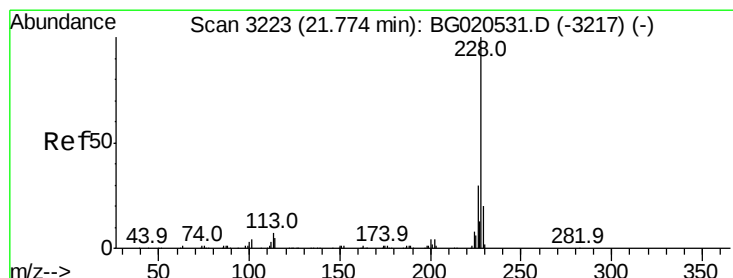
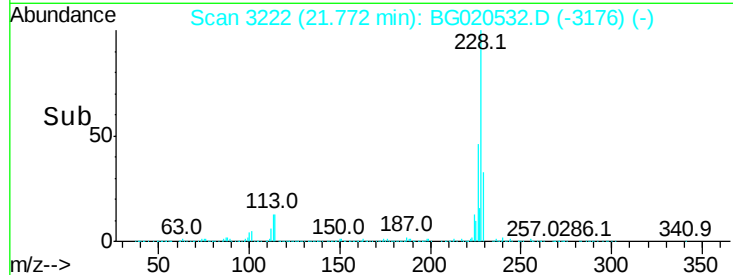
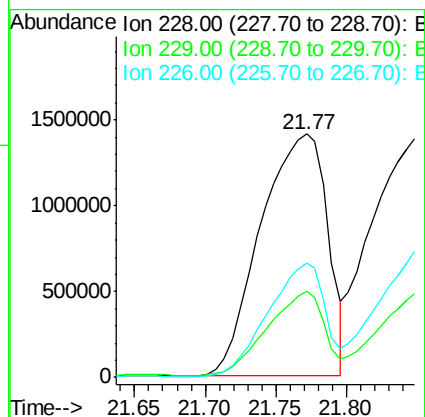
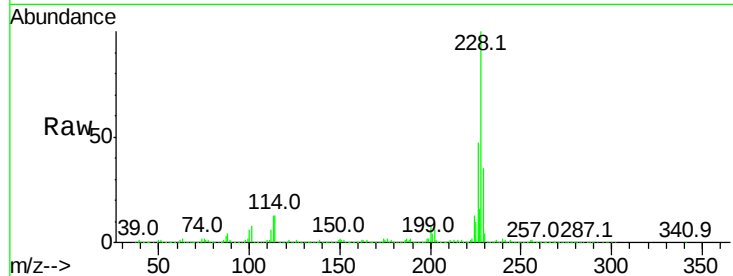
#83
Benzo(a)anthracene
Concen: 440.76 ng/ul
RT: 21.77 min Scan# 3222
Delta R.T. 0.07 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Instrument :
BNA_G
ClientSampleId :
G9D85

Tot Ion:228 Resp: 4649556
Ion Ratio Lower Upper
228 100
229 35.3 15.8 23.8#
226 47.1 21.8 32.6#

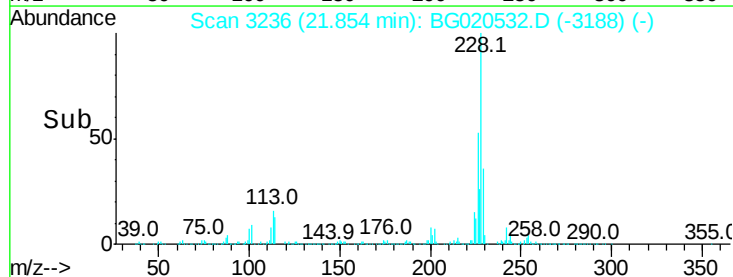
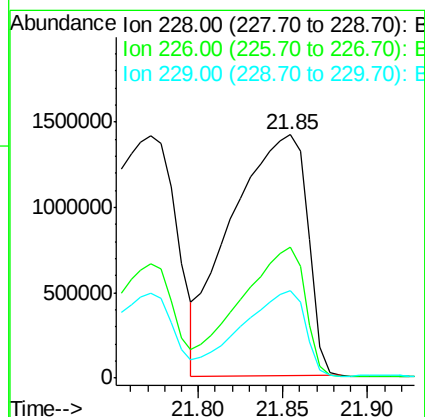
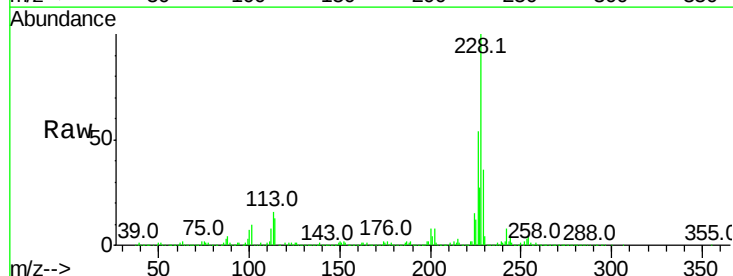
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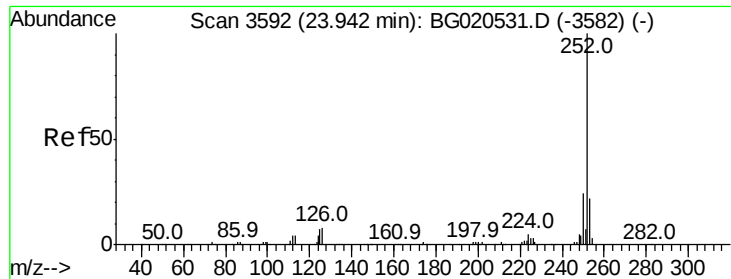
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#85
Chrysene
Concen: 443.07 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. 0.08 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Tgt Ion:228 Resp: 4452043
Ion Ratio Lower Upper
228 100
226 53.5 23.9 35.9#
229 36.0 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 565.70 ng/ul

RT: 24.08 min Scan# 3614

Delta R.T. 0.13 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

ClientSampleId :

G9D85

Tot Ion:252 Resp: 6249642

Ion Ratio Lower Upper

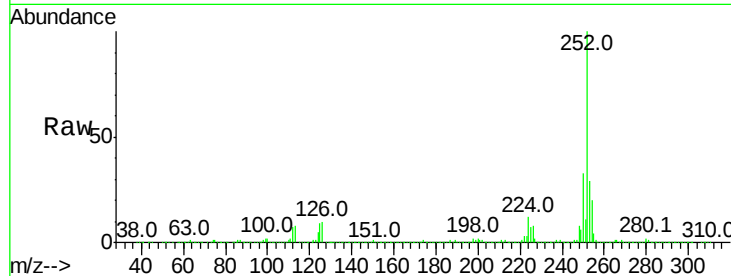
252 100

253 28.6 16.7 25.1#

125 9.5 6.2 9.2#

Manual Integrations
APPROVED

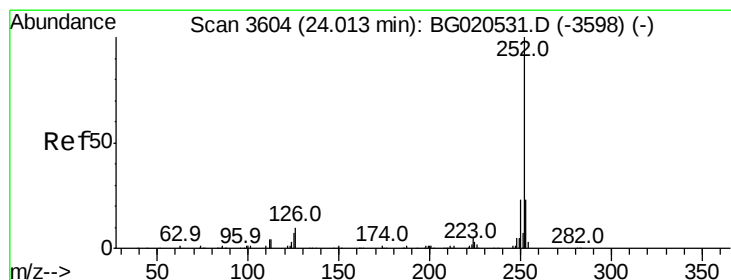
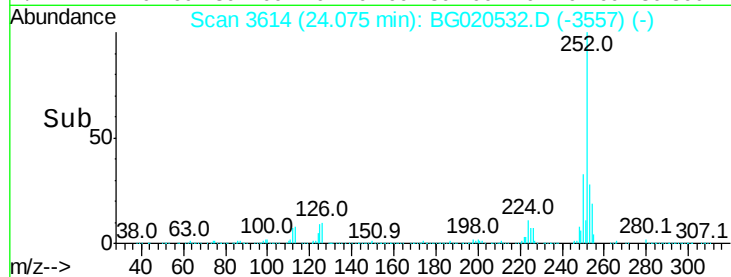
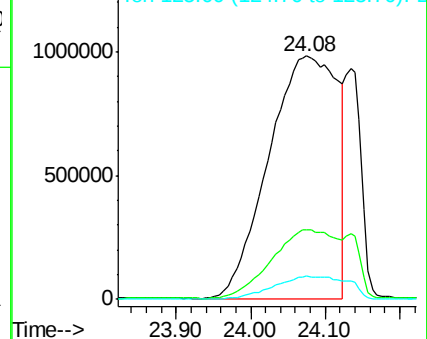
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 134.61 ng/ul m

RT: 24.13 min Scan# 3624

Delta R.T. 0.12 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Tgt Ion:252 Resp: 1437510

Ion Ratio Lower Upper

252 100

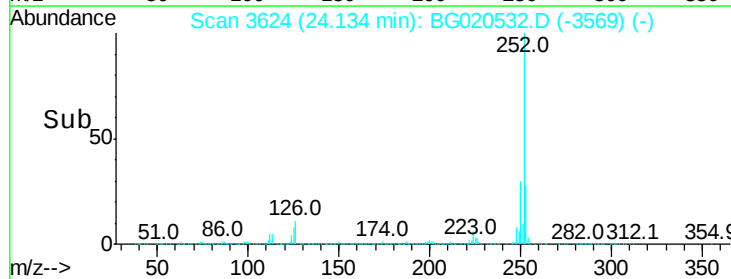
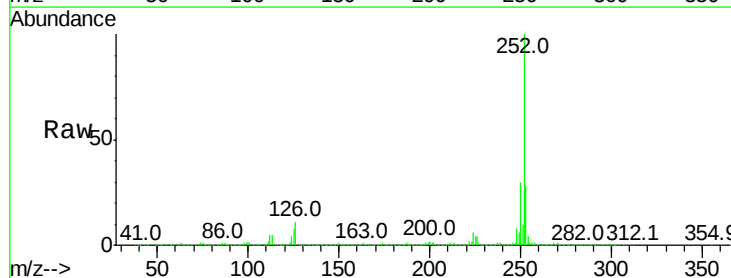
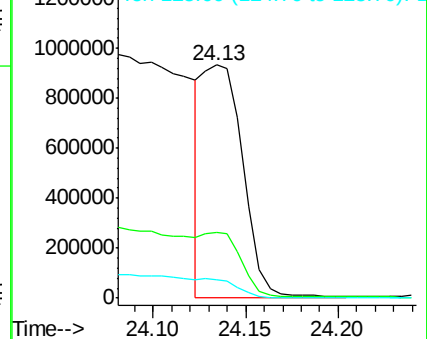
253 28.4 17.9 26.9#

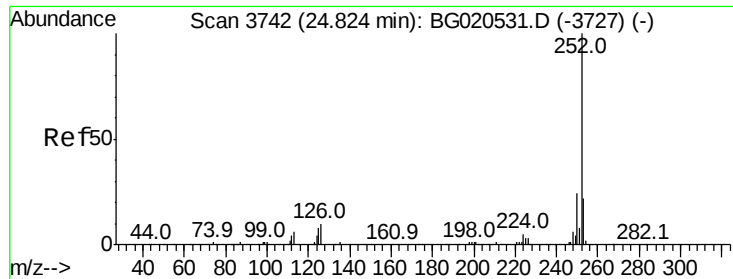
125 8.0 5.8 8.6

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: 390.03 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. 0.15 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

Instrument :

BNA_G

ClientSampleId :

G9D85

Tot Ion:252 Resp: 4141462

Ion Ratio Lower Upper

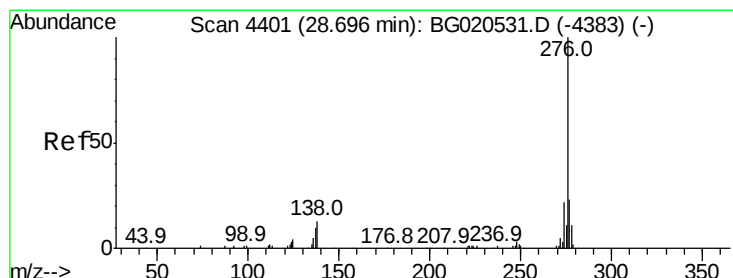
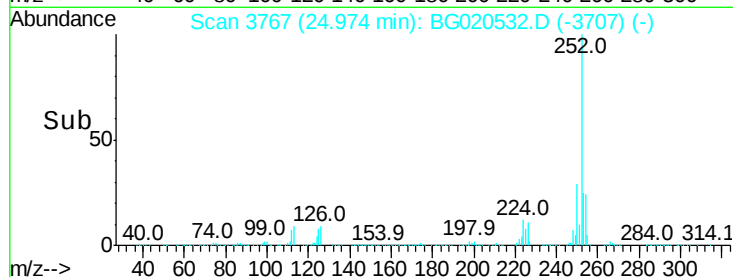
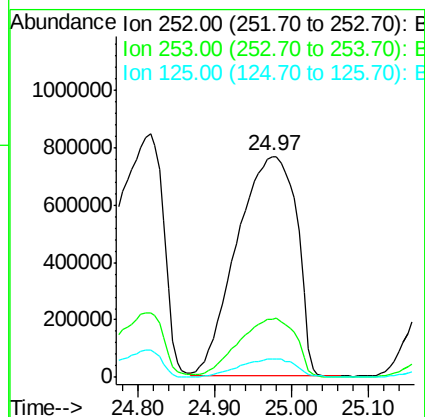
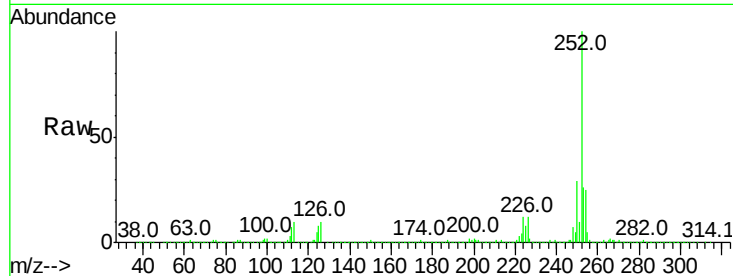
252 100

253 26.3 17.0 25.4#

125 8.2 6.2 9.4

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 266.57 ng/ul m

RT: 28.95 min Scan# 4443

Delta R.T. 0.25 min

Lab File: BG020532.D

Acq: 26 Dec 2015 9:36

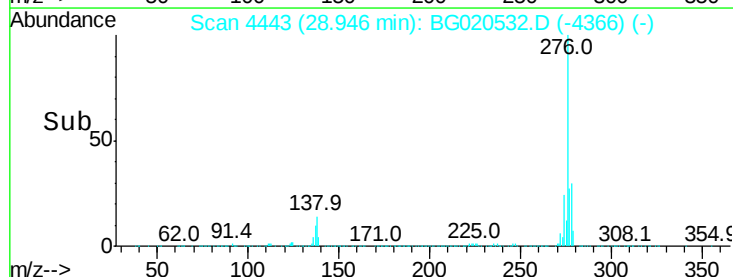
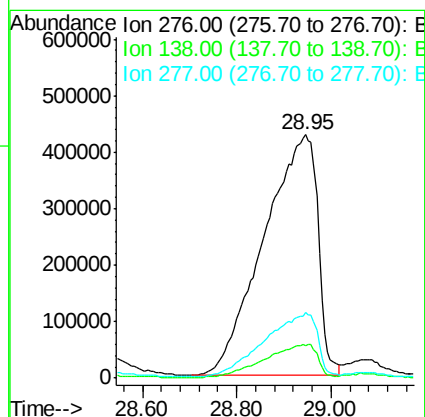
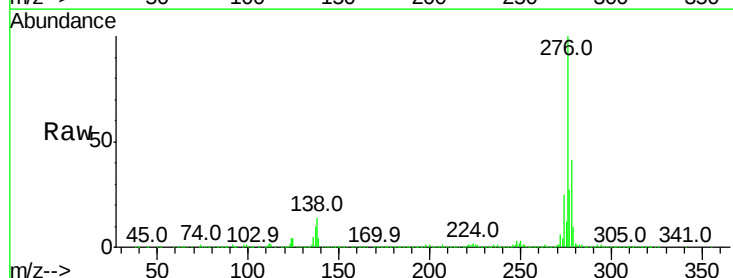
Tgt Ion:276 Resp: 3390273

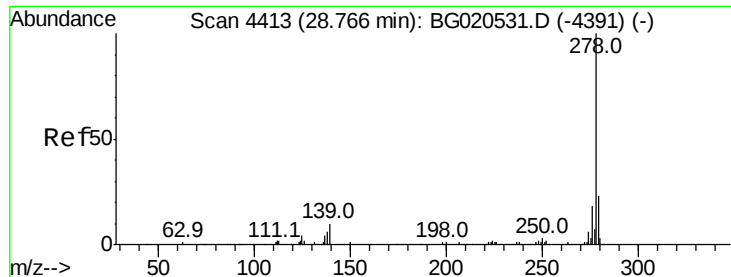
Ion Ratio Lower Upper

276 100

138 13.6 11.4 17.0

277 26.7 17.4 26.0#





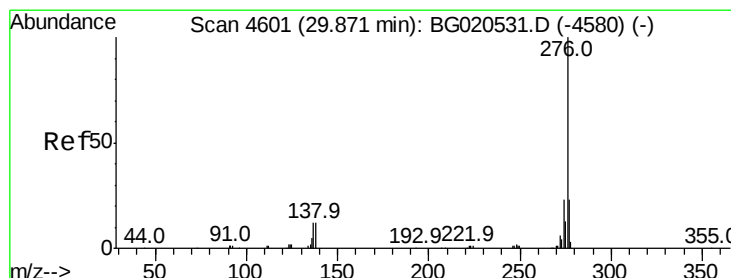
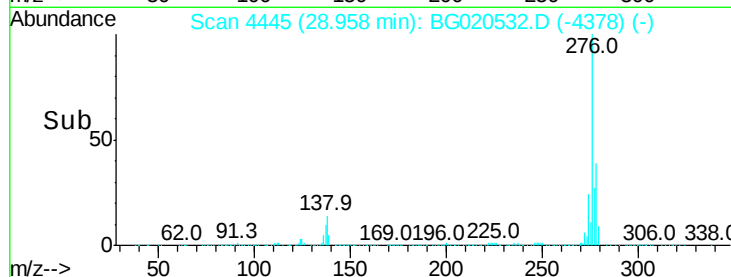
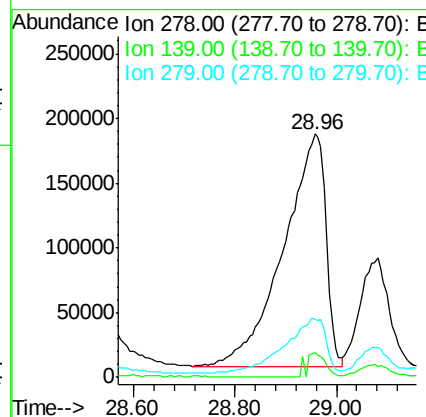
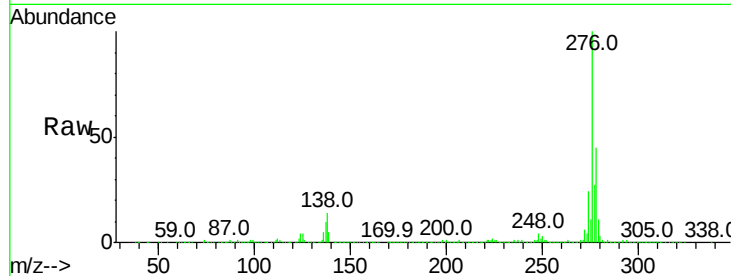
#93
Dibenzo(a,h)anthracene
Concen: 98.78 ng/ul
RT: 28.96 min Scan# 4445
Delta R.T. 0.19 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Instrument :
BNA_G
ClientSampleId :
G9D85

Tot Ion:278 Resp: 1042451
Ion Ratio Lower Upper
278 100
139 10.4 9.4 14.2
279 23.8 19.4 29.0

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 360.53 ng/ul m
RT: 30.16 min Scan# 4649
Delta R.T. 0.29 min
Lab File: BG020532.D
Acq: 26 Dec 2015 9:36

Tgt Ion:276 Resp: 3765997
Ion Ratio Lower Upper
276 100
138 13.1 10.8 16.2
277 25.3 19.9 29.9

