

Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
 Data File : BG020242.D
 Acq On : 17 Dec 2015 4:45
 Operator : UM/SJ
 Sample : G4767-21
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:33 PM

Quant Time: Dec 25 23:11:04 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21339	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	101913	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	73463	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	179700	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	203479	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	194154	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	2036	5.27	ng/uL	0.00
5) Phenol-d5	7.24	99	56982	30.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	34329	30.58	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	44795	32.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	50415	31.33	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	24478	30.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	29225	33.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	53616	29.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	69665	34.63	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	178109	29.97	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	187802	27.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	29424	27.61	ng/ul	0.00
58) Fluorene-d10	15.72	176	140362	26.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	22435	21.06	ng/ul	0.00
71) Anthracene-d10	17.57	188	217238	26.24	ng/ul	0.00
79) Pyrene-d10	19.85	212	239414	25.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	250642	25.88	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.27	94	3624	1.80 ng/ul#	83
16) 4-Methylphenol	8.87	108	2766	1.63 ng/ul	92
24) 2,4-Dimethylphenol	10.06	107	3278m	1.52 ng/ul	
28) Naphthalene	10.98	128	1314960	247.08 ng/ul	95
34) 2-Methylnaphthalene	12.56	142	373114	91.78 ng/ul	99
41) 1,1'-Biphenyl	13.56	154	143359	25.87 ng/ul	95
45) Dimethylphthalate	14.17	163	82734	13.63 ng/ul	99
48) Acenaphthylene	14.45	152	49397	6.73 ng/ul#	95
50) Acenaphthene	14.79	153	622635	125.99 ng/ul	99
54) Dibenzofuran	15.12	168	642046	87.34 ng/ul	96
59) Fluorene	15.78	166	586149	99.29 ng/ul	98
70) Phenanthrene	17.53	178	2218676m	225.72 ng/ul	
72) Anthracene	17.60	178	210954	21.16 ng/ul	99
75) Carbazole	17.87	167	199429	23.81 ng/ul	99
77) Fluoranthene	19.52	202	1369754	119.24 ng/ul	99
80) Pyrene	19.88	202	956049	77.63 ng/ul	99
83) Benzo(a)anthracene	21.72	228	229574	19.34 ng/ul	99
85) Chrysene	21.79	228	189822	16.98 ng/ul	97
88) Benzo(b)fluoranthene	23.97	252	104762	8.96 ng/ul	97
89) Benzo(k)fluoranthene	24.03	252	39167m	3.49 ng/ul	
91) Benzo(a)pyrene	24.85	252	61172	5.52 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.72	276	19421m	1.47 ng/ul	
94) Benzo(g,h,i)perylene	29.88	276	14337m	1.33 ng/ul	

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 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

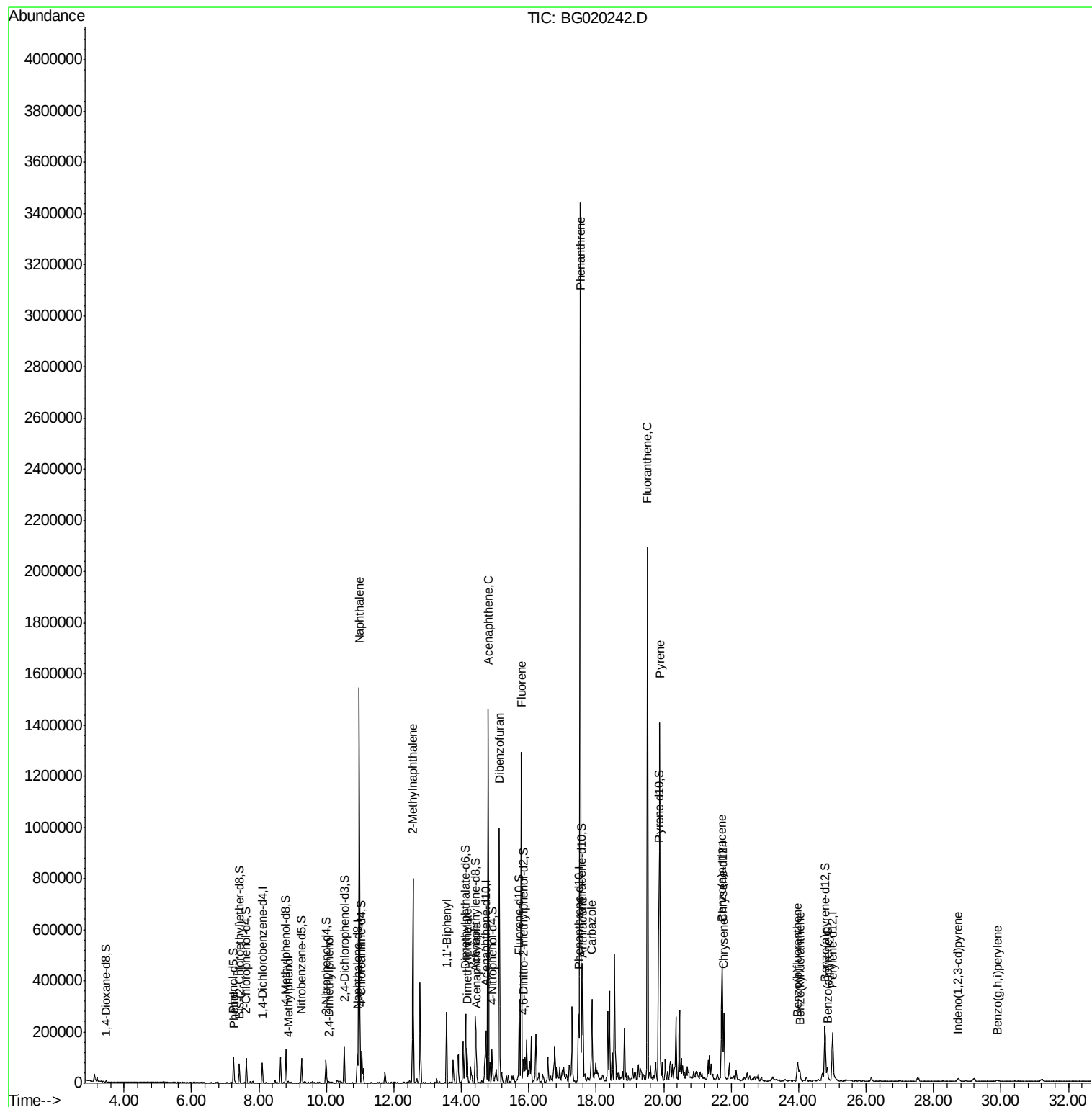
Data Path : U:\HPCHEM1\BNA G\DATA\BG121715\
Data File : BG020242.D
Acq On : 17 Dec 2015 4:45
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Sample : G4767-21
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ALS Vial : 27 Sample Multiplier: 1

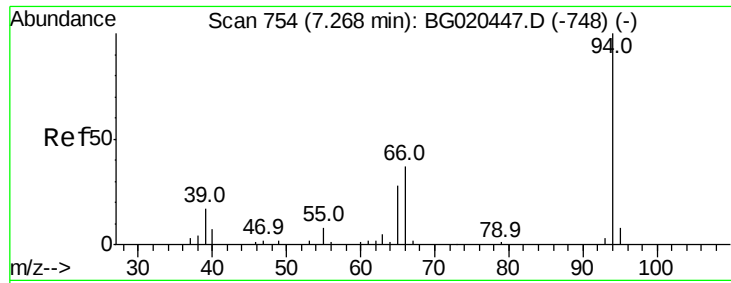
Instrument :
BNA_G
ClientSampleId :
D9N43

Manual Integrations
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.80 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Instrument :

BNA_G

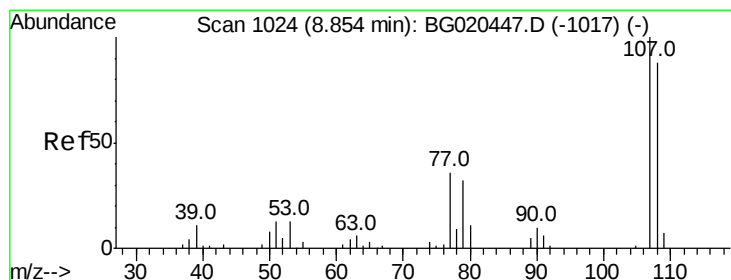
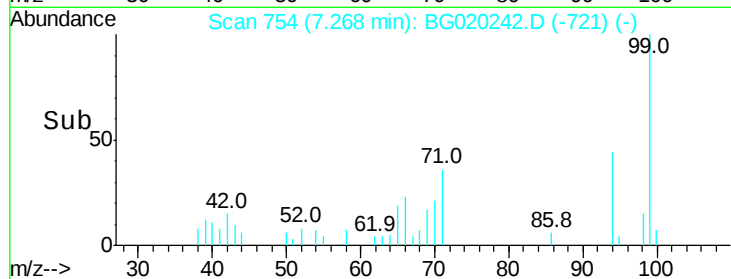
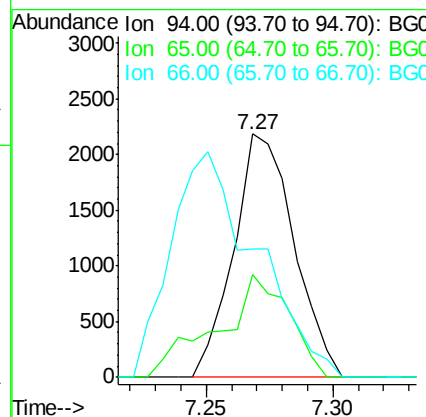
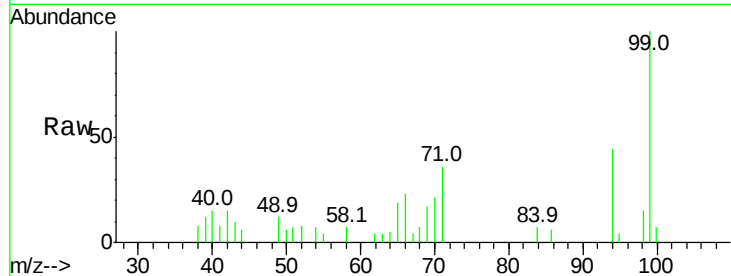
ClientSampled :

D9N43

Tot Ion:	94	Resp:	3624
Ion Ratio	Lower	Upper	
94	100		
65	42.0	26.3	39.5#
66	52.5	33.3	49.9#

Manual Integrations
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#16

4-Methylphenol

Concen: 1.63 ng/ul

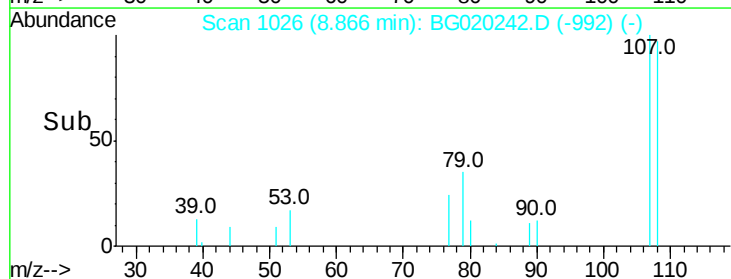
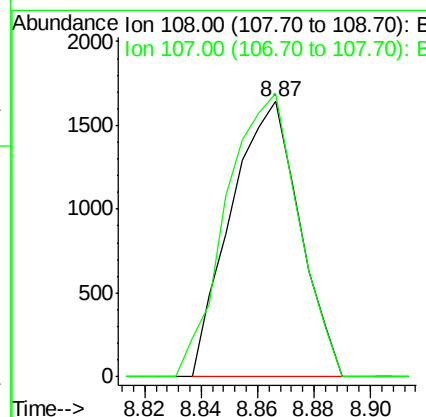
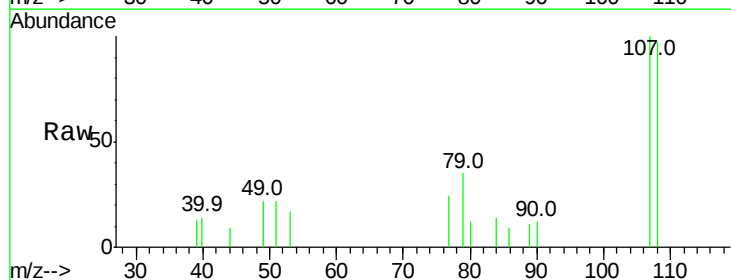
RT: 8.87 min Scan# 1026

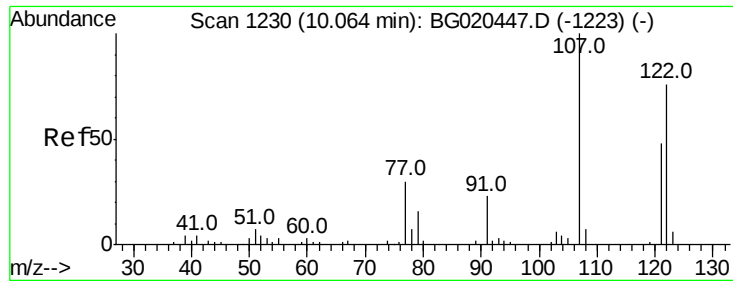
Delta R.T. 0.00 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Tgt Ion:	108	Resp:	2766
Ion Ratio	Lower	Upper	
108	100		
107	102.7	88.9	133.3





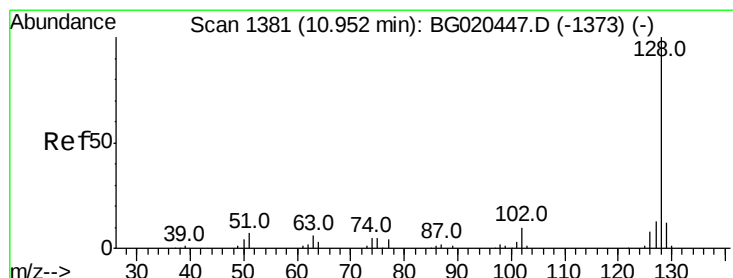
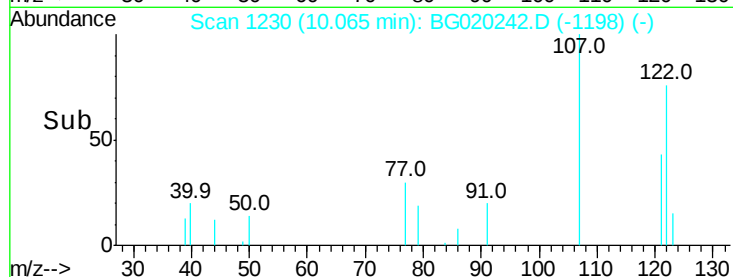
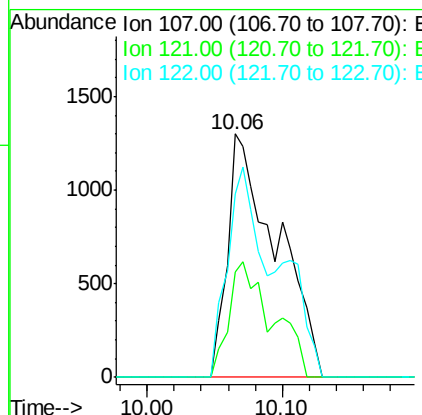
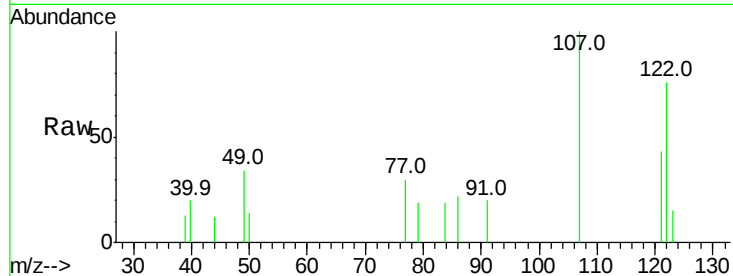
#24
2,4-Dimethylphenol
Concen: 1.52 ng/ul m
RT: 10.06 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Instrument :
BNA_G
ClientSampleId :
D9N43

Tot Ion	Ratio	Lower	Upper
107	100		
121	43.0	39.0	58.4
122	75.6	62.1	93.1

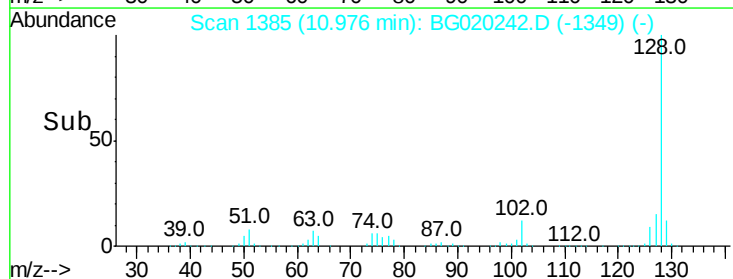
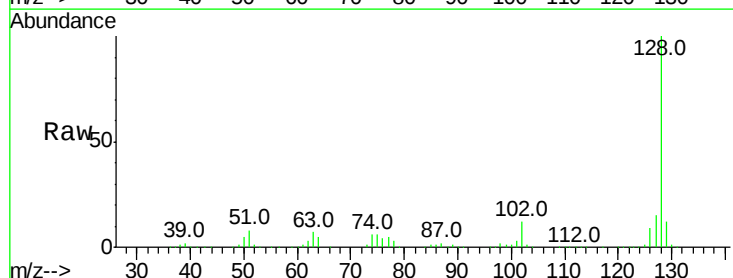
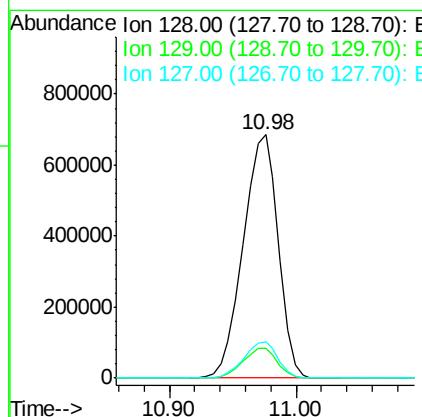
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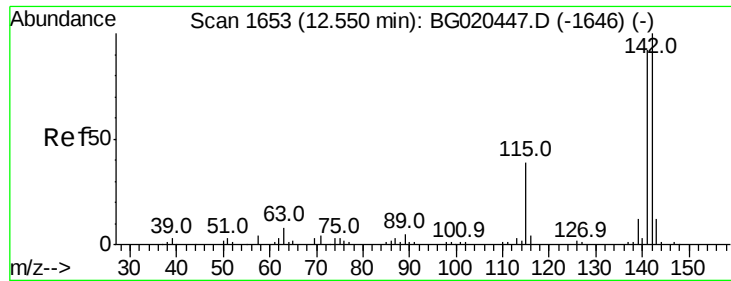
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#28
Naphthalene
Concen: 247.08 ng/ul
RT: 10.98 min Scan# 1385
Delta R.T. 0.01 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.6	12.8
127	15.0	10.1	15.1





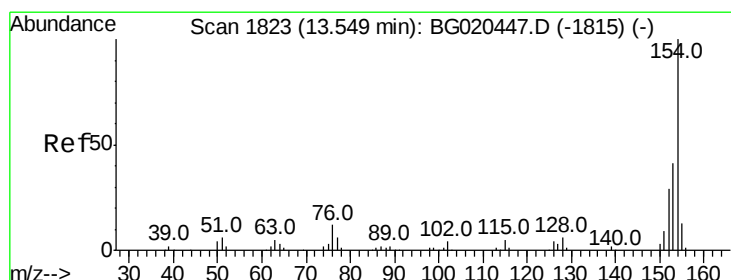
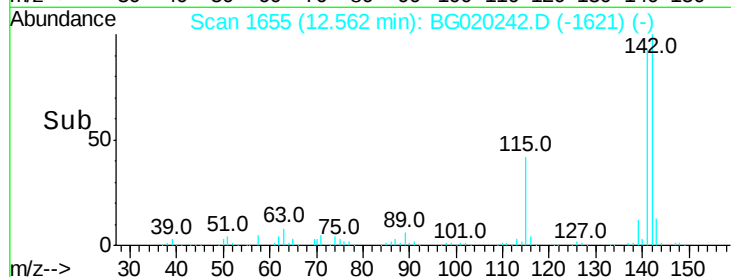
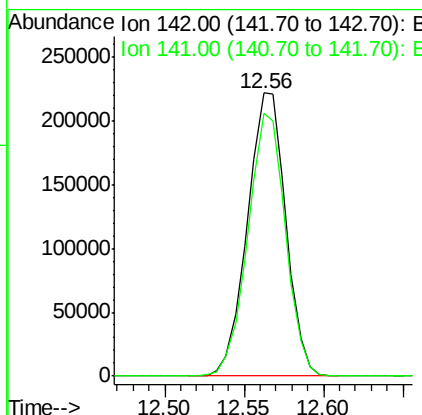
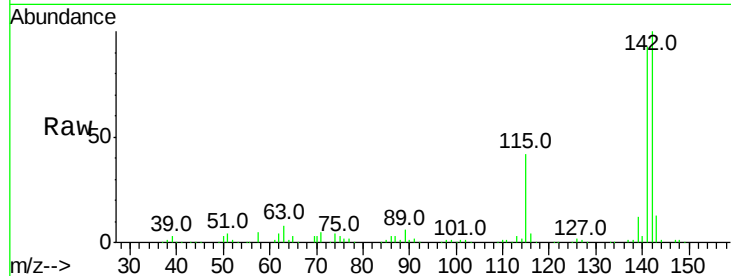
#34
 2-Methylnaphthalene
 Concen: 91.78 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BG020242.D
 Acq: 17 Dec 2015 4:45

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.9	112.3

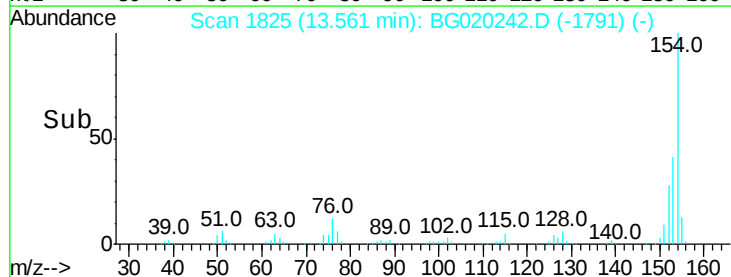
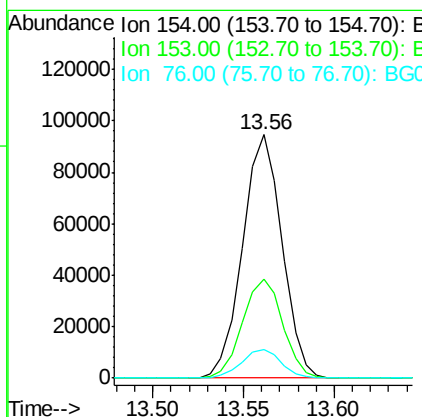
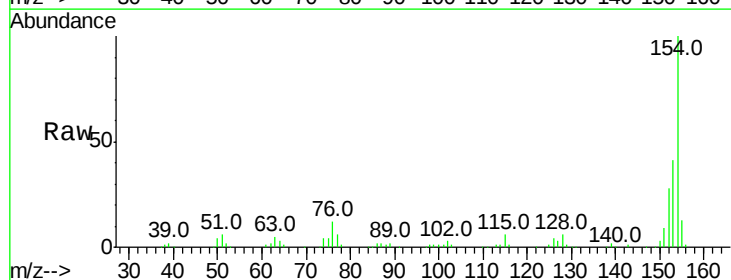
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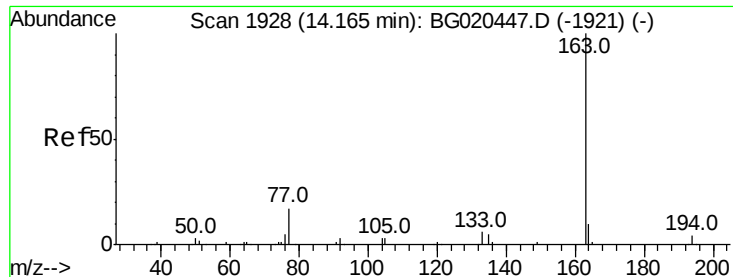
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 12/17/2015 12:00:33 PM



#41
 1,1'-Biphenyl
 Concen: 25.87 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BG020242.D
 Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	35.5	53.3
76	11.6	10.4	15.6





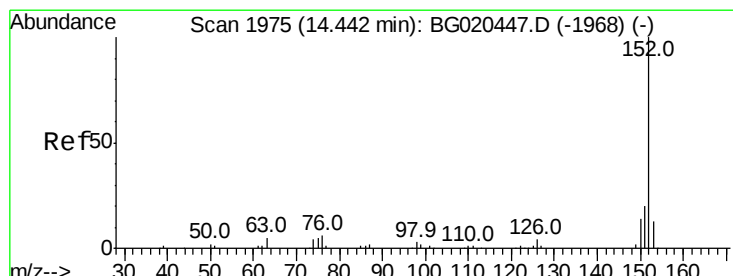
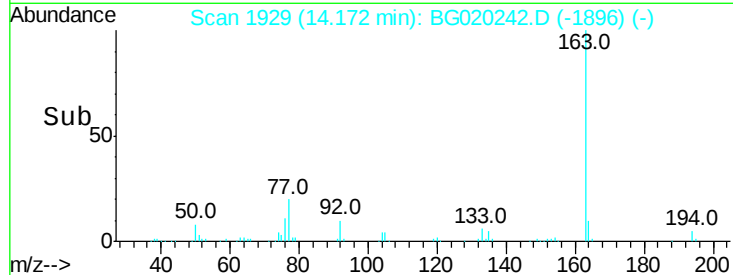
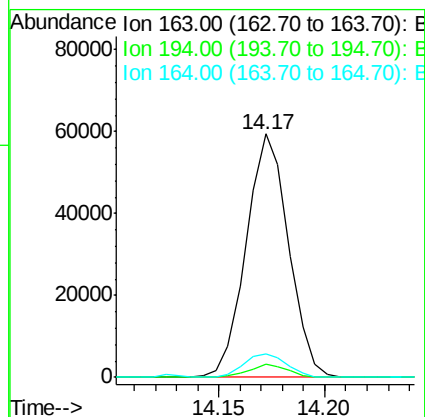
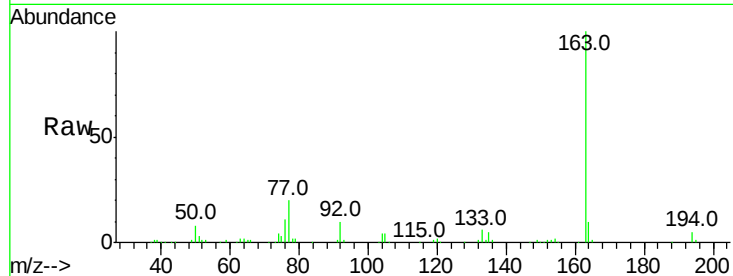
#45
Dimethylphthalate
Concen: 13.63 ng/ul
RT: 14.17 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Instrument :
BNA_G
ClientSampleId :
D9N43

Tot Ion	Ratio	Resp	Lower	Upper
163	100	82734		
194	5.2		3.5	5.3
164	9.8		7.7	11.5

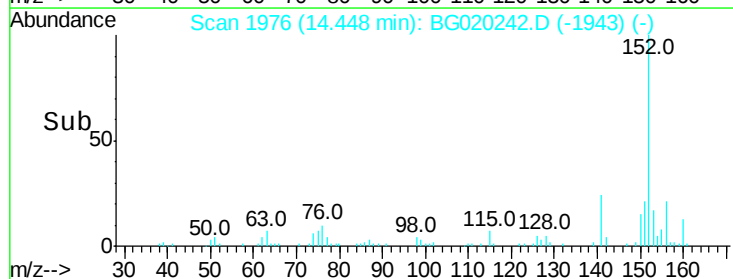
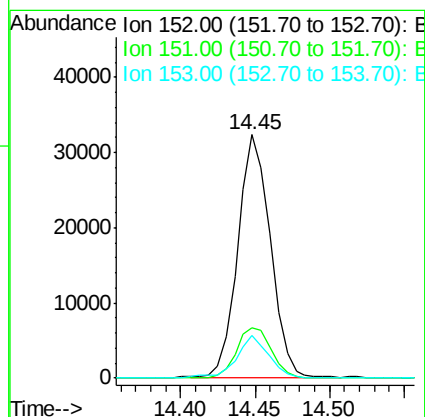
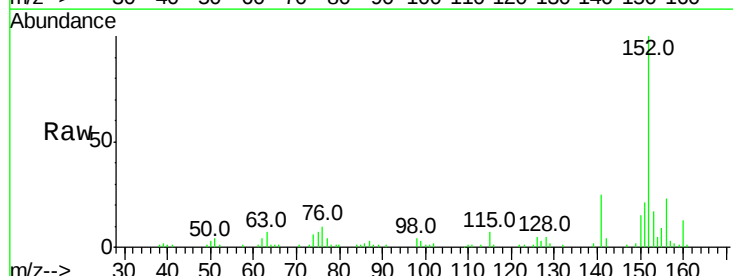
Manual Integrations
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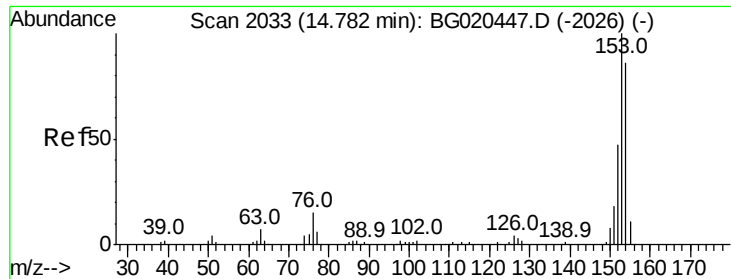
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#48
Acenaphthylene
Concen: 6.73 ng/ul
RT: 14.45 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	49397		
151	20.9		16.4	24.6
153	17.5		10.4	15.6





#50

Acenaphthene

Concen: 125.99 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Instrument :

BNA_G

ClientSampleId :

D9N43

Tot Ion:153 Resp: 622635

Ion Ratio Lower Upper

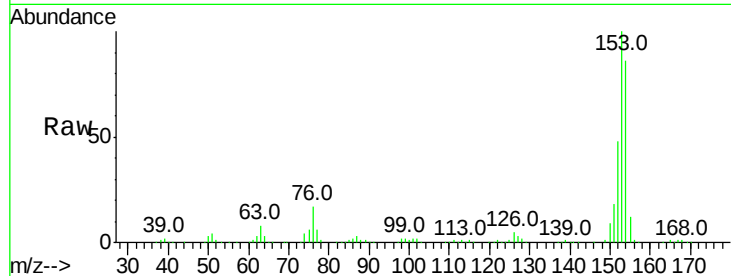
153 100

152 48.4 37.6 56.4

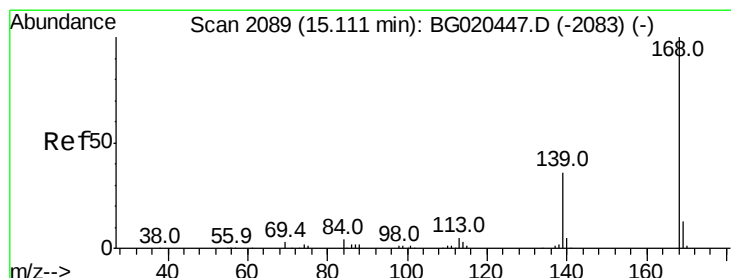
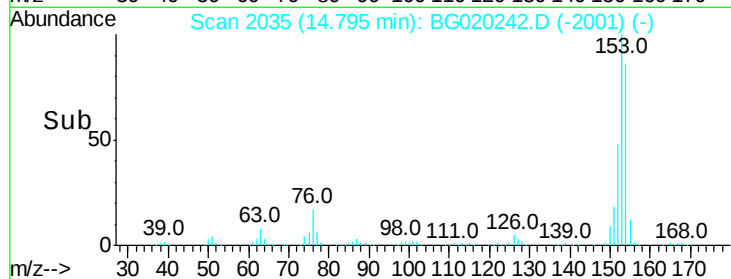
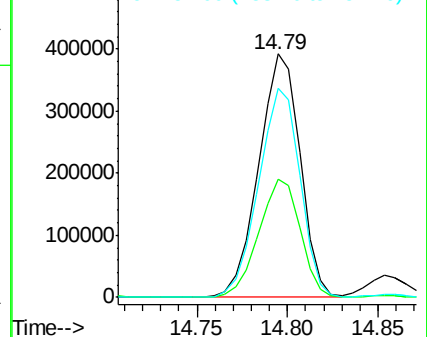
154 85.9 67.9 101.9

Manual Integrations
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 87.34 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020242.D

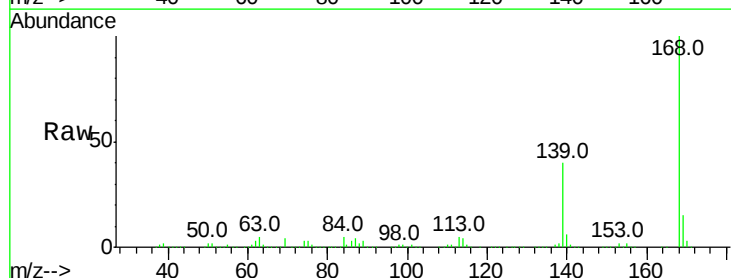
Acq: 17 Dec 2015 4:45

Tgt Ion:168 Resp: 642046

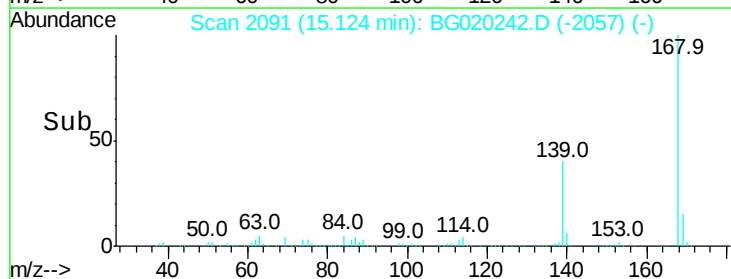
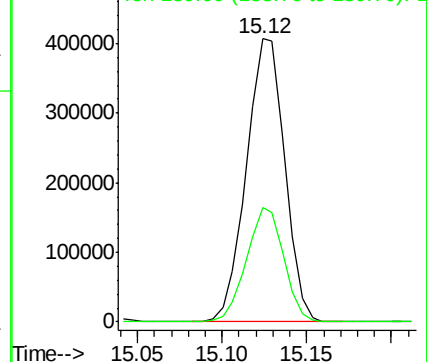
Ion Ratio Lower Upper

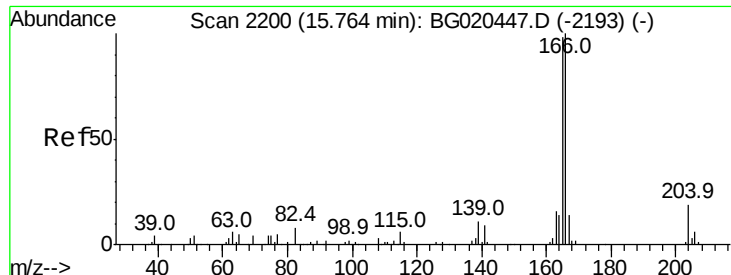
168 100

139 40.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 99.29 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Instrument :

BNA_G

ClientSampleId :

D9N43

Tot Ion:166 Resp: 586149

Ion Ratio Lower Upper

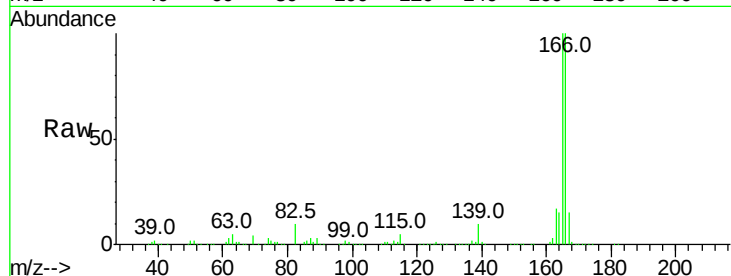
166 100

165 99.5 81.4 122.0

167 14.6 11.2 16.8

Manual Integrations
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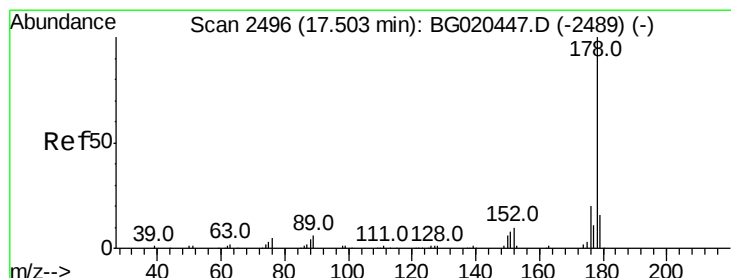
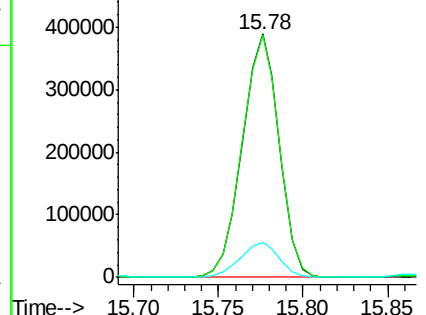
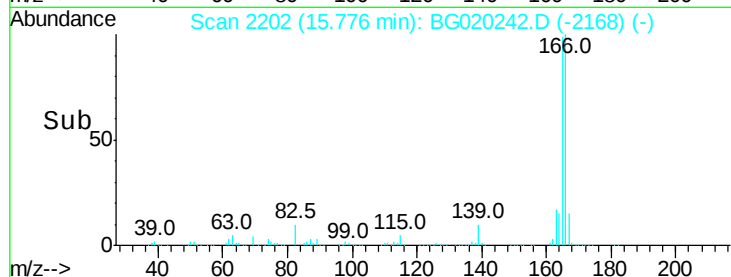
MMdadoda
12/17/2015 12:00:33 PM



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: 225.72 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

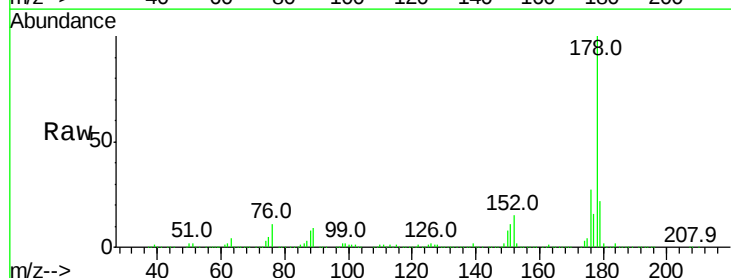
Tgt Ion:178 Resp: 2218676

Ion Ratio Lower Upper

178 100

179 22.3 12.9 19.3#

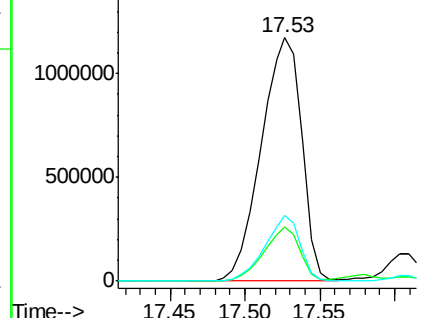
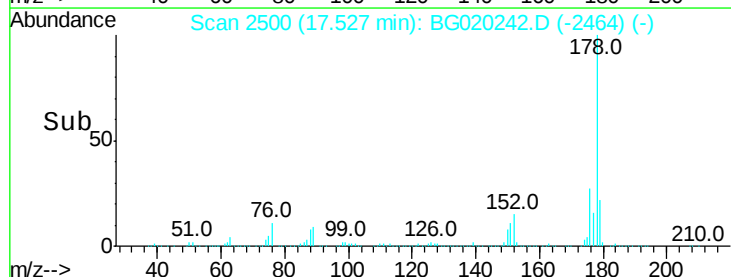
176 27.1 15.3 22.9#

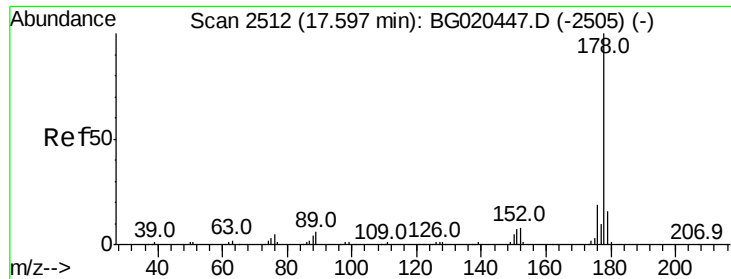


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





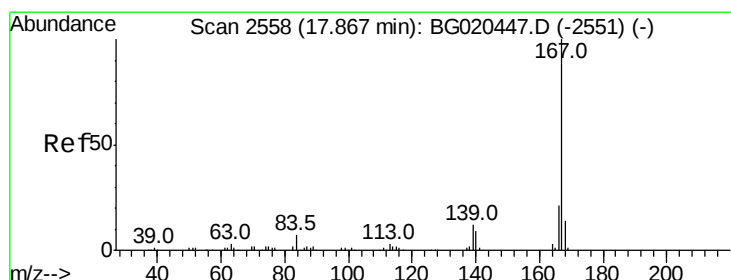
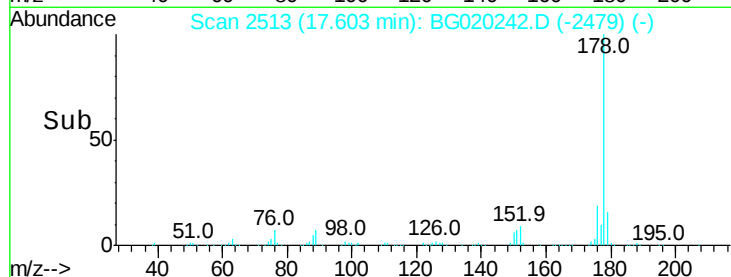
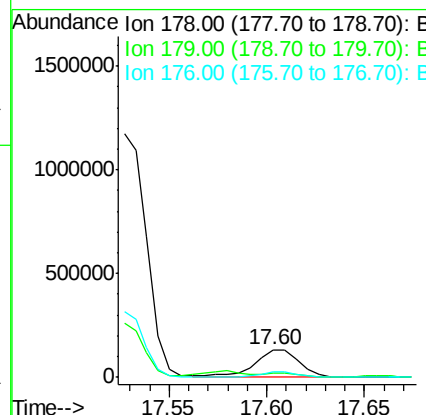
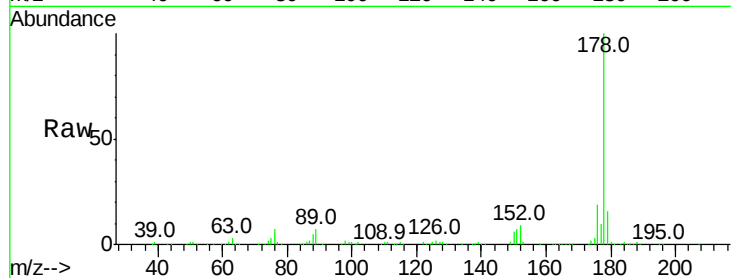
#72
 Anthracene
 Concen: 21.16 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG020242.D
 Acq: 17 Dec 2015 4:45

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.3	18.5
176	18.5	14.3	21.5

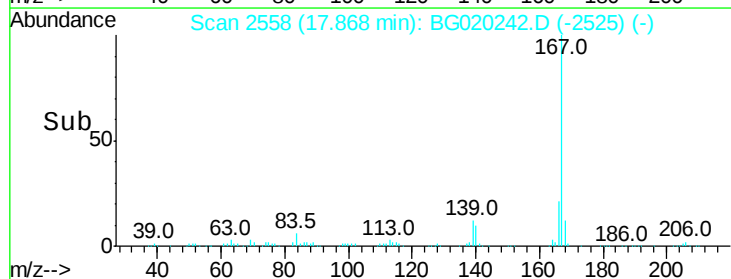
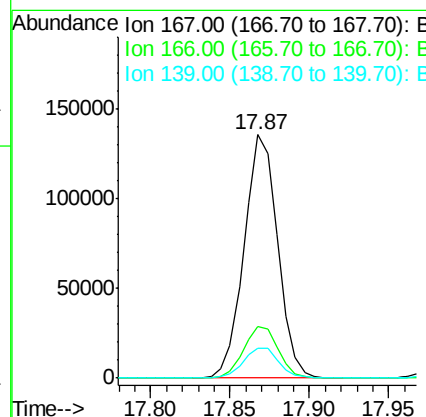
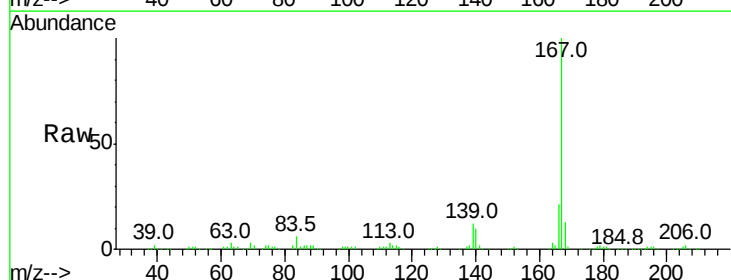
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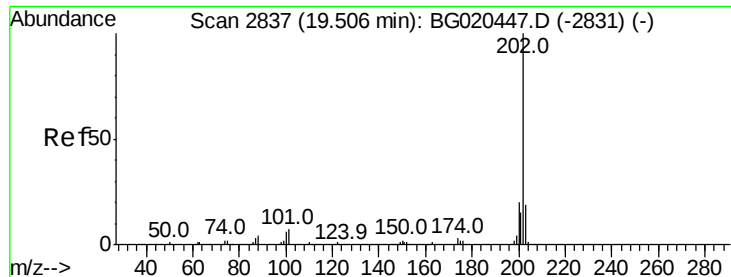
MMdadoda
 12/17/2015 12:00:33 PM



#75
 Carbazole
 Concen: 23.81 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BG020242.D
 Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.3	10.1	15.1





#77

Fluoranthene

Concen: 119.24 ng/ul

RT: 19.52 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Instrument :

BNA_G

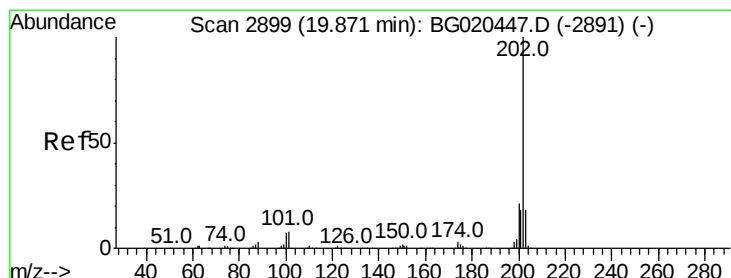
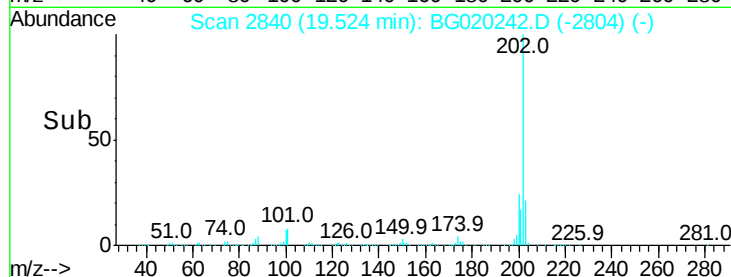
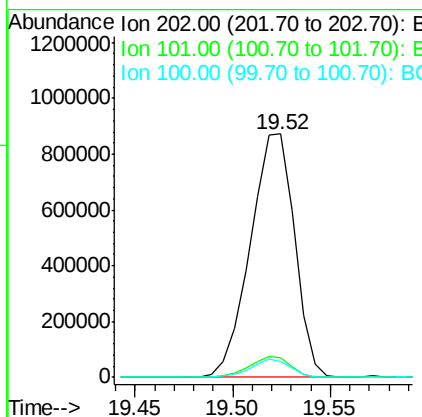
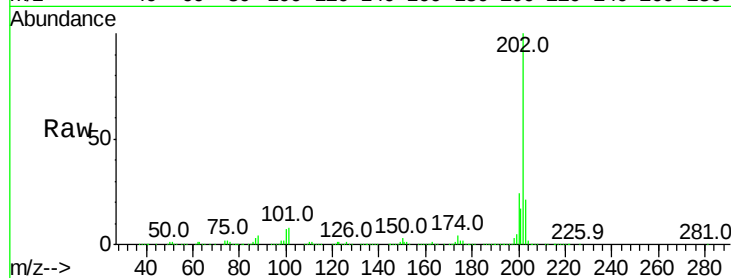
ClientSampled :

D9N43

Tot Ion:	202	Resp:	1369754
Ion Ratio	Lower	Upper	
202	100		
101	8.1	6.2	9.4
100	6.6	5.1	7.7

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MMdadoda
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#80

Pyrene

Concen: 77.63 ng/ul

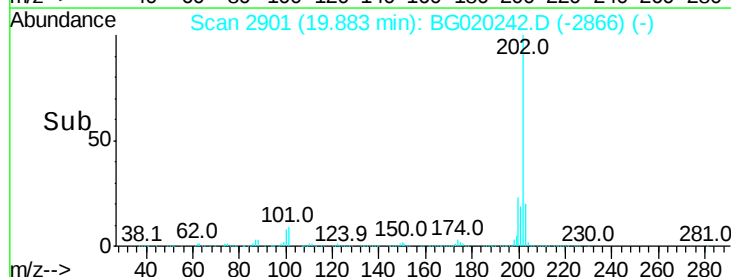
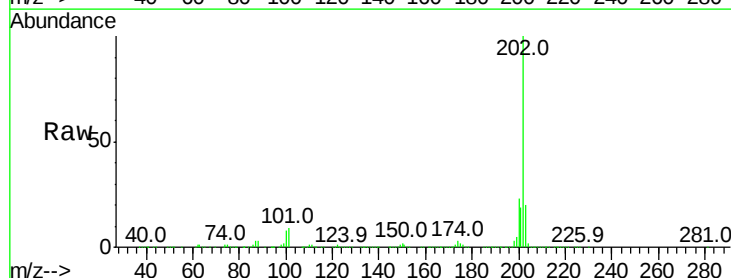
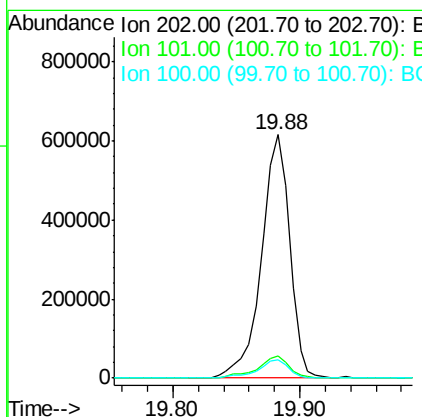
RT: 19.88 min Scan# 2901

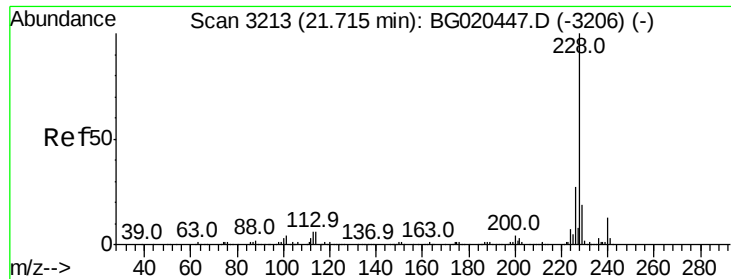
Delta R.T. 0.01 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Tgt Ion:	202	Resp:	956049
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
100	7.7	6.4	9.6





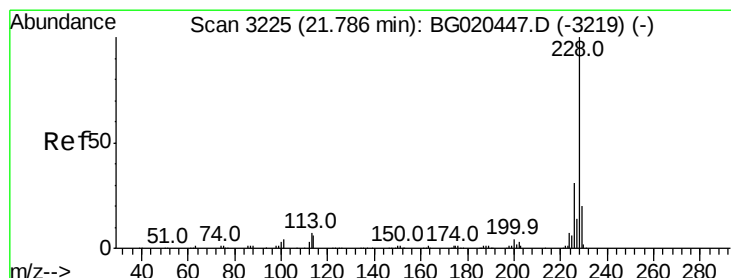
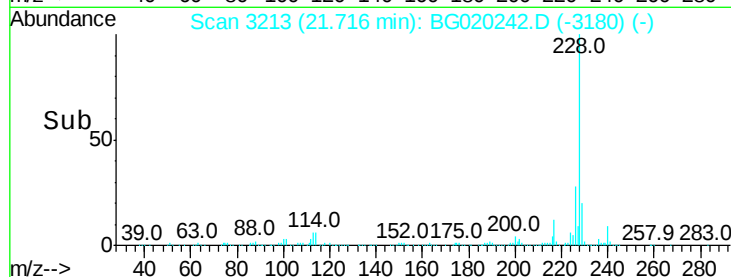
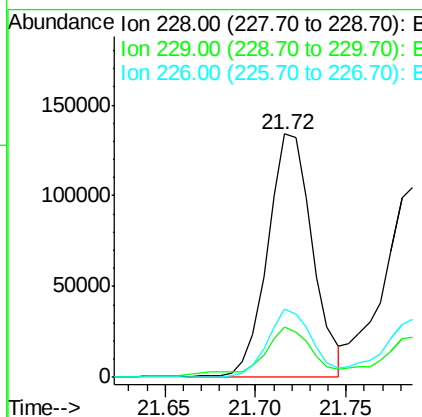
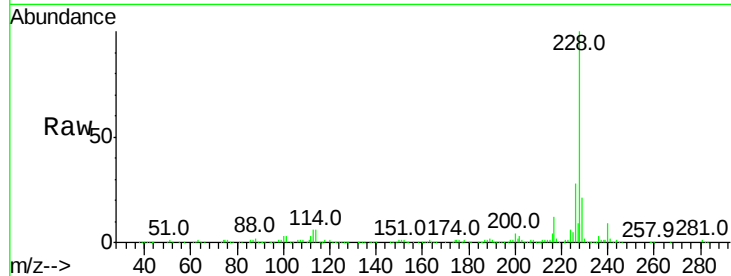
#83
Benzo(a)anthracene
Concen: 19.34 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Instrument :
BNA_G
ClientSampleId :
D9N43

Tot Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	15.8	23.8
226	27.9	21.8	32.6

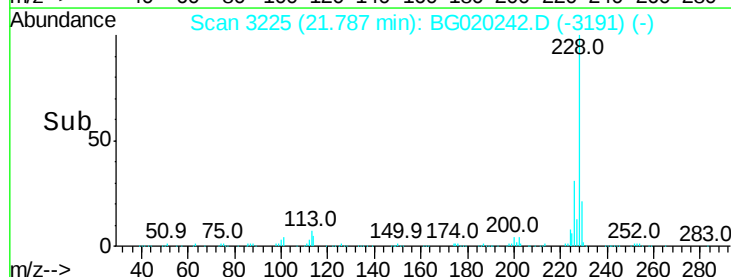
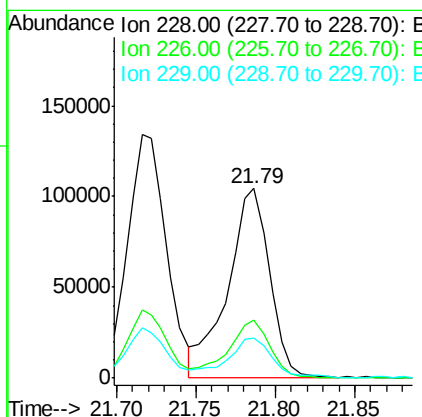
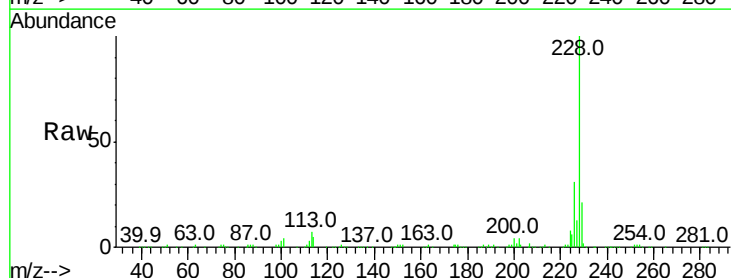
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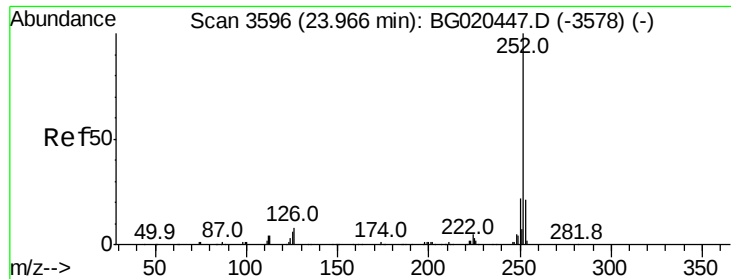
MMdadoda
12/17/2015 12:00:33 PM



#85
Chrysene
Concen: 16.98 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.9	23.9	35.9
229	21.2	15.6	23.4





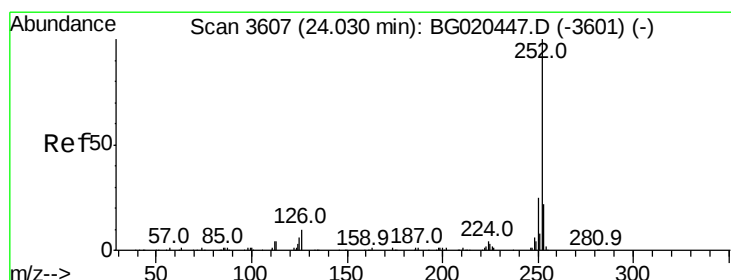
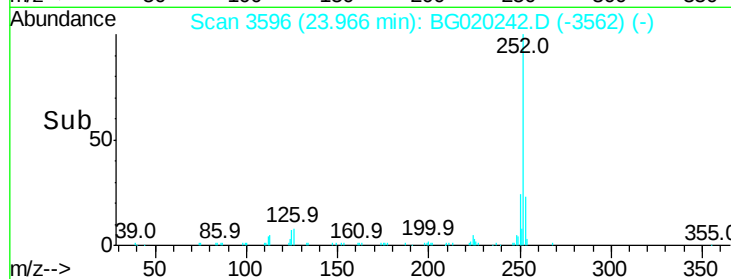
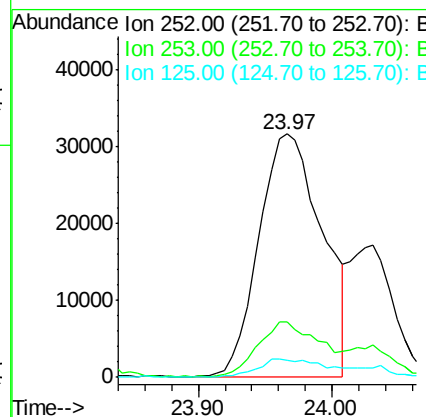
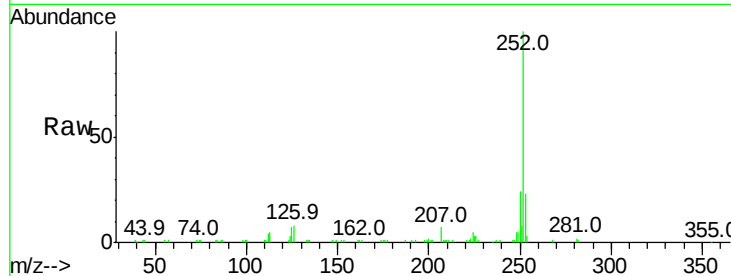
#88
Benzo(b)fluoranthene
Concen: 8.96 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Instrument :
BNA_G
ClientSampleId :
D9N43

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.7	25.1
125	7.3	6.2	9.2

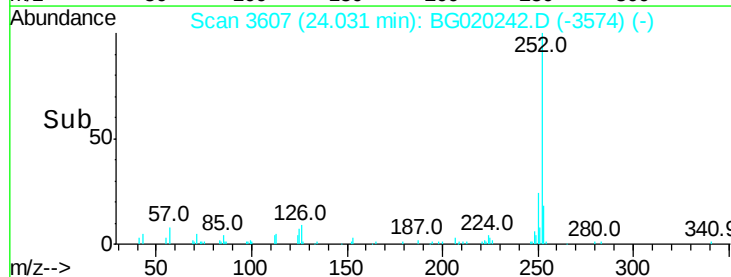
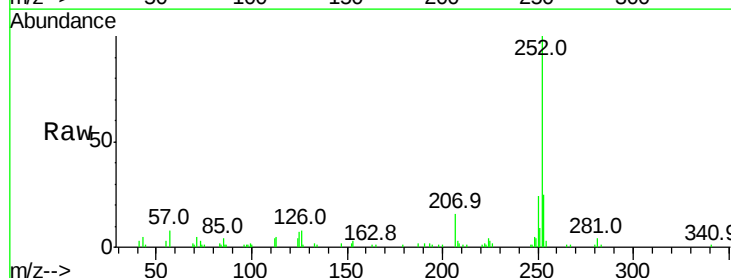
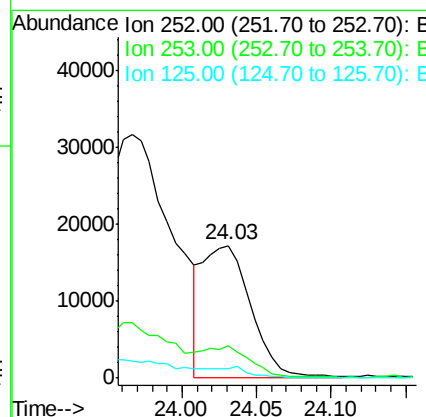
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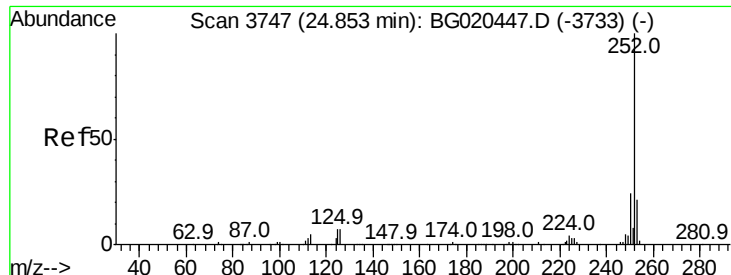
MMdadoda
12/17/2015 12:00:33 PM



#89
Benzo(k)fluoranthene
Concen: 3.49 ng/ul m
RT: 24.03 min Scan# 3607
Delta R.T. -0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	7.3	5.8	8.6





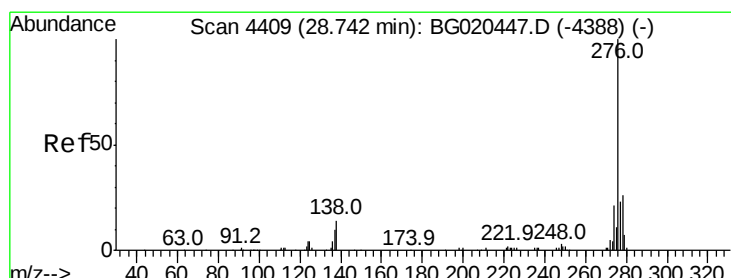
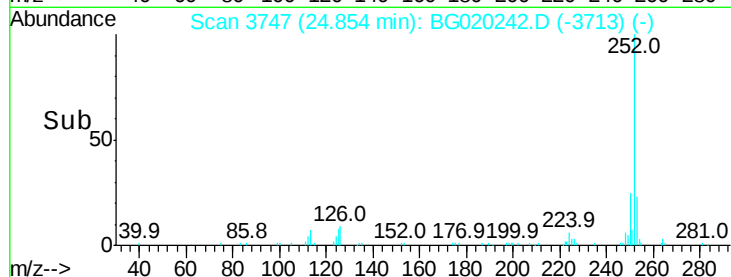
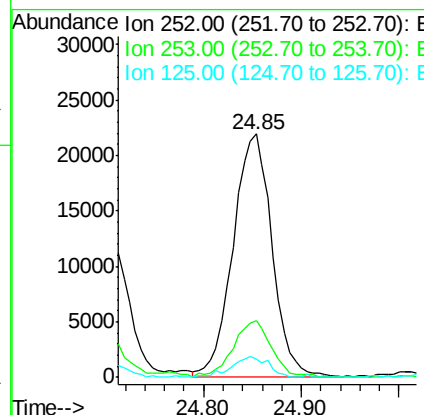
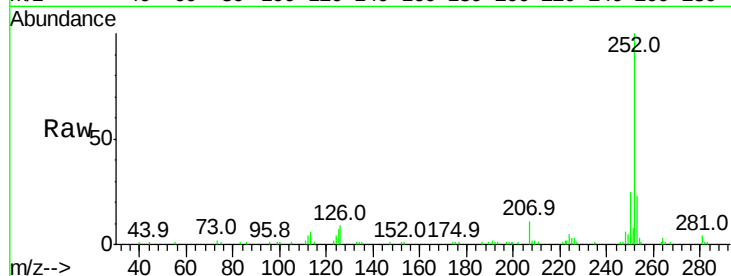
#91
Benzo(a)pyrene
Concen: 5.52 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. 0.00 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Instrument :
BNA_G
ClientSampled :
D9N43

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.0	25.4
125	7.4	6.2	9.4

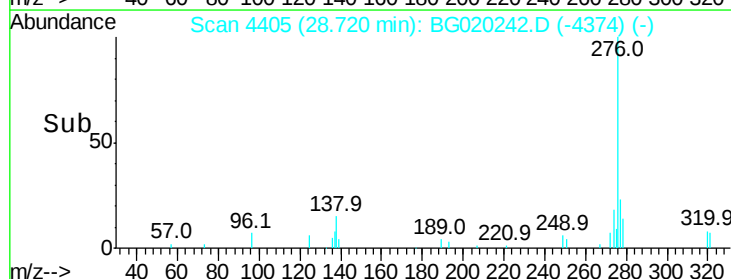
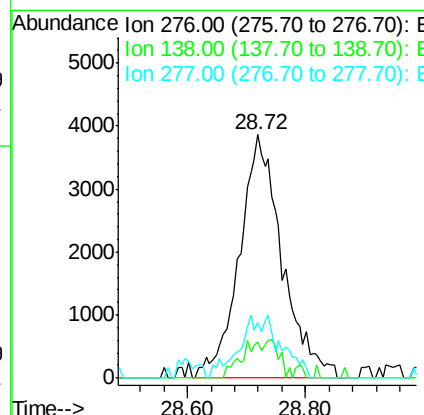
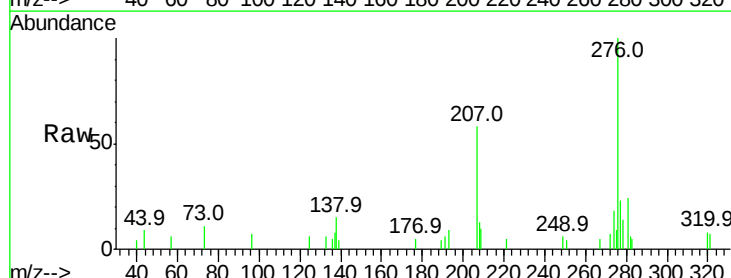
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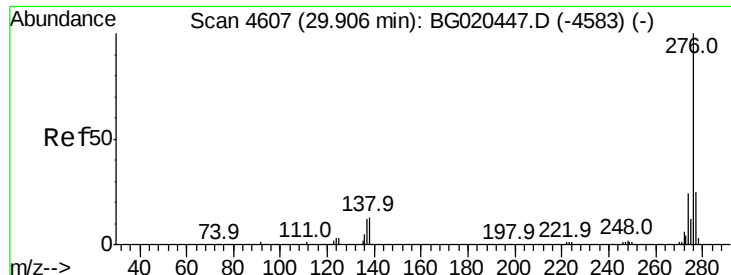
MMdadoda
12/17/2015 12:00:33 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 1.47 ng/ul m
RT: 28.72 min Scan# 4405
Delta R.T. -0.02 min
Lab File: BG020242.D
Acq: 17 Dec 2015 4:45

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.1	11.4	17.0
277	22.6	17.4	26.0





#94

Benzo(a,h,i)perylene

Concen: 1.33 ng/ul m

RT: 29.88 min Scan# 4603

Delta R.T. -0.02 min

Lab File: BG020242.D

Acq: 17 Dec 2015 4:45

Instrument :

BNA_G

ClientSampleId :

D9N43

Tot Ion: 276 Resp: 14337
Ion Ratio Lower Upper

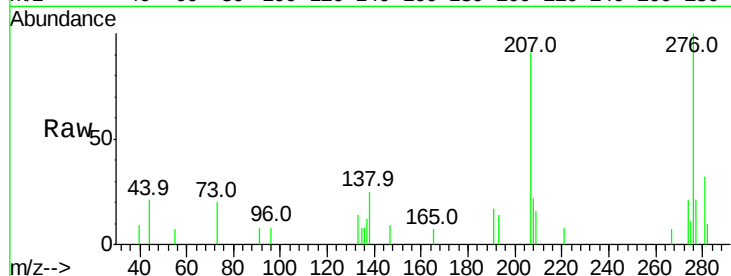
276 100

138 24.7 10.8 16.2#

277 20.9 19.9 29.9

Manual Integrations
APPROVED

MMdadoda
12/17/2015 12:00:33 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

