

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM

Quant Time: Dec 28 07:13:57 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	8.07	152	23484	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	98419	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	68627	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	177268	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	223886	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	219300	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1265	2.97	ng/uL	0.01
5) Phenol-d5	7.23	99	36890	19.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	22744	20.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	29852	20.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	30985	19.54	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	16017	20.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	18213	20.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	32848	19.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	39485	20.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	111626	19.73	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	133837	20.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13708	14.54	ng/ul	0.00
58) Fluorene-d10	15.70	176	108063	21.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	14615	12.44	ng/ul	0.01
71) Anthracene-d10	17.56	188	178762	21.53	ng/ul	0.01
79) Pyrene-d10	19.84	212	209914	21.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	236725	21.35	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.26	94	44084	22.46	ng/ul 97
11) 2-Methylphenol	8.52	108	14348	9.42	ng/ul# 79
16) 4-Methylphenol	8.85	108	40427	24.47	ng/ul 100
24) 2,4-Dimethylphenol	10.06	107	15483m	7.87	ng/ul
28) Naphthalene	10.95	128	743891	142.18	ng/ul 96
34) 2-Methylnaphthalene	12.54	142	183580	47.42	ng/ul 99
41) 1,1'-Biphenyl	13.54	154	43953	8.30	ng/ul 96
45) Dimethylphthalate	14.15	163	17449	3.03	ng/ul 98
48) Acenaphthylene	14.44	152	176162	25.57	ng/ul 95
50) Acenaphthene	14.77	153	28344	6.09	ng/ul 98
54) Dibenzofuran	15.11	168	159294	22.99	ng/ul 100
59) Fluorene	15.76	166	180781	32.20	ng/ul 99
70) Phenanthrene	17.50	178	928545	94.14	ng/ul 97
72) Anthracene	17.60	178	339412	33.65	ng/ul 99
75) Carbazole	17.86	167	94113	11.07	ng/ul 98
77) Fluoranthene	19.51	202	663126	53.46	ng/ul 98
80) Pyrene	19.87	202	602994	47.63	ng/ul 99
83) Benzo(a)anthracene	21.72	228	332342	25.28	ng/ul 96
85) Chrysene	21.78	228	263239	21.02	ng/ul 96
88) Benzo(b)fluoranthene	23.97	252	291417	22.14	ng/ul 96
89) Benzo(k)fluoranthene	24.02	252	95445m	7.50	ng/ul
91) Benzo(a)pyrene	24.85	252	252967	19.99	ng/ul 95
92) Indeno(1,2,3-cd)pyrene	28.74	276	137926m	9.10	ng/ul

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	28.76	278	39909m	3.17	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	112527	9.04	ng/ul	97

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

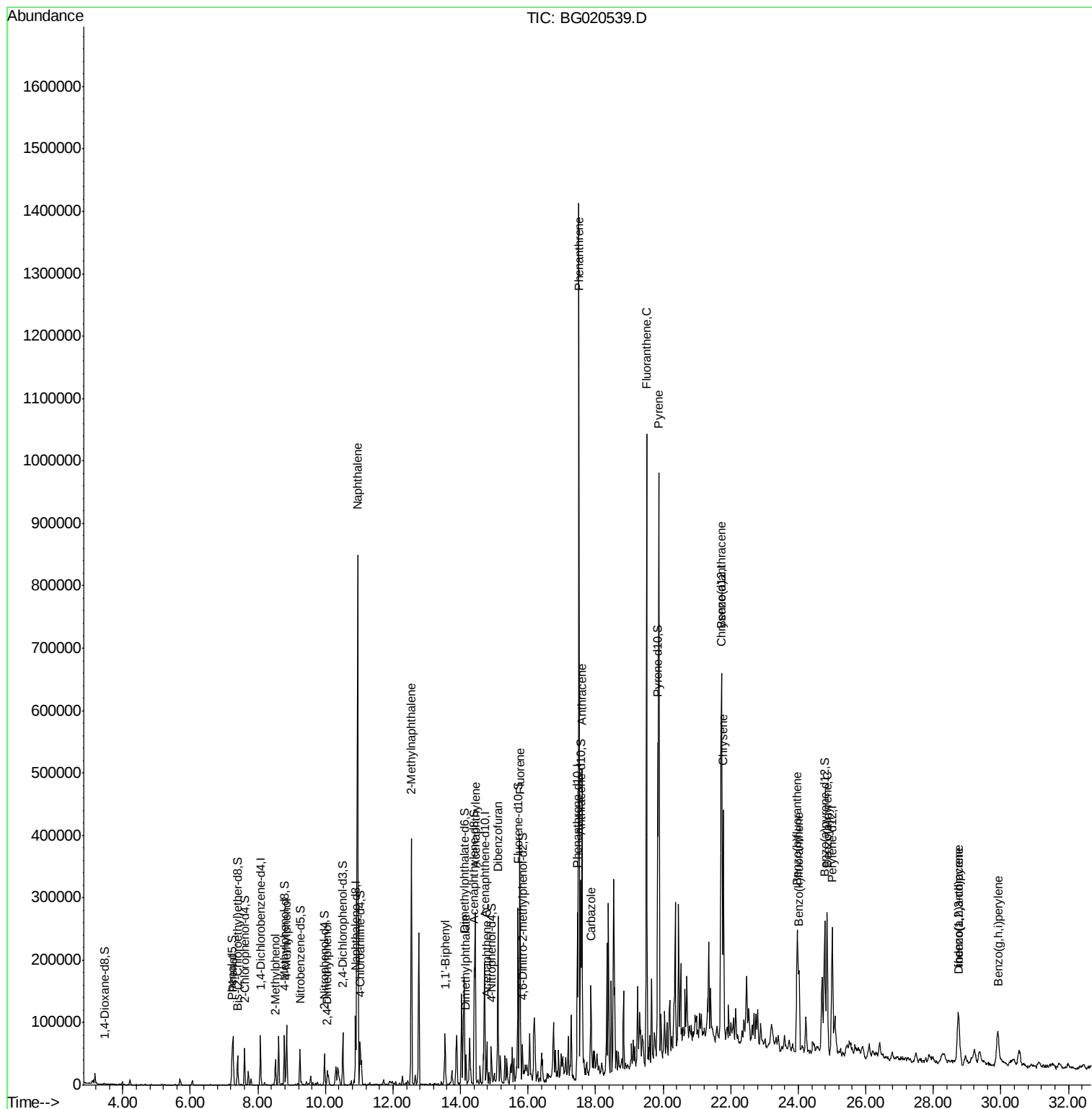
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122515\
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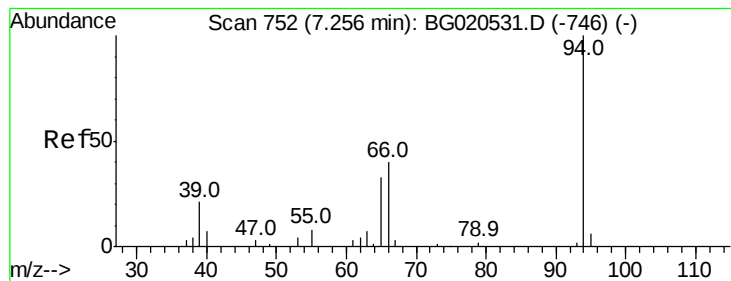
Instrument :
BNA_G
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#6

Phenol

Concen: 22.46 ng/ul

RT: 7.26 min Scan# 753

Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Instrument :

BNA_G

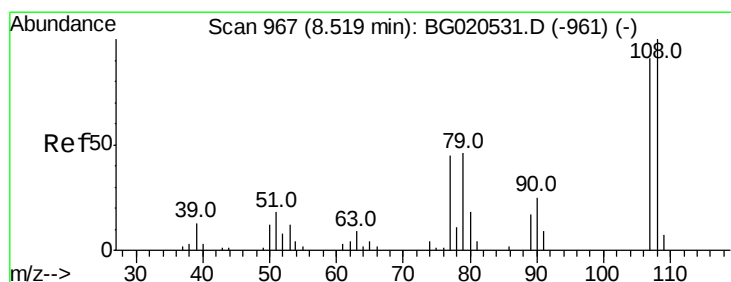
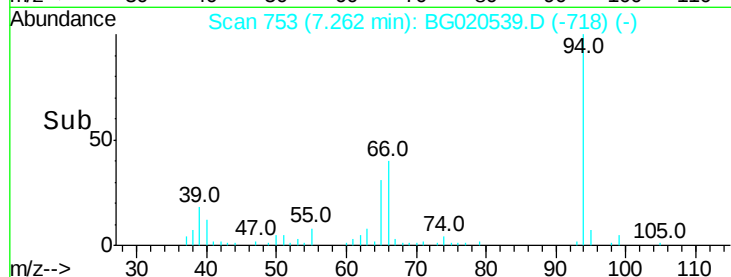
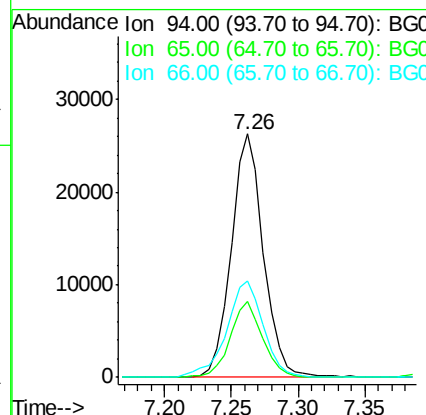
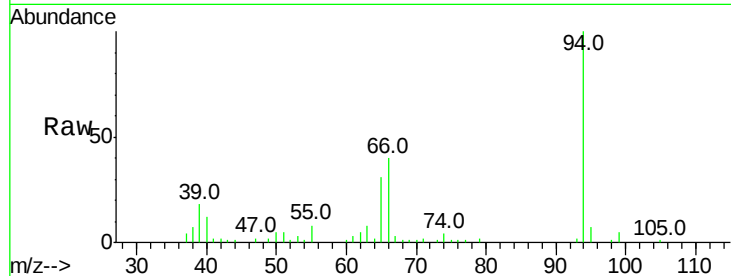
ClientSampleId :

G9D93

Tot Ion:	94	Resp:	44084
Ion Ratio	Lower	Upper	
94	100		
65	31.0	26.3	39.5
66	39.8	33.3	49.9

Manual Integrations
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#11

2-Methylphenol

Concen: 9.42 ng/ul

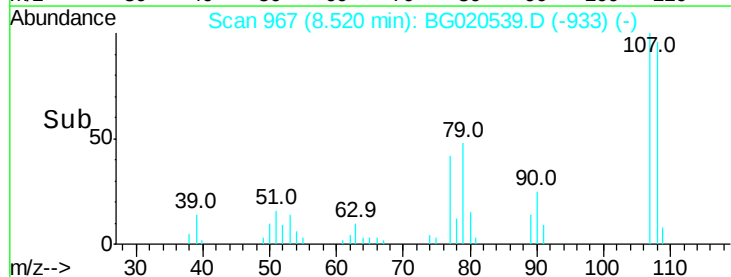
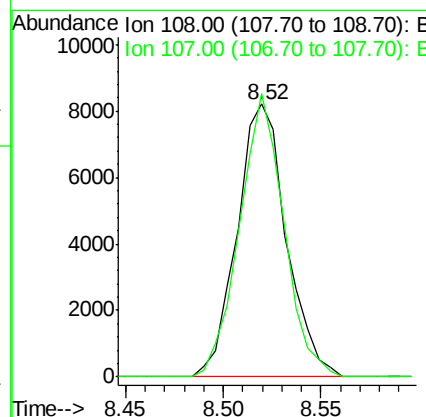
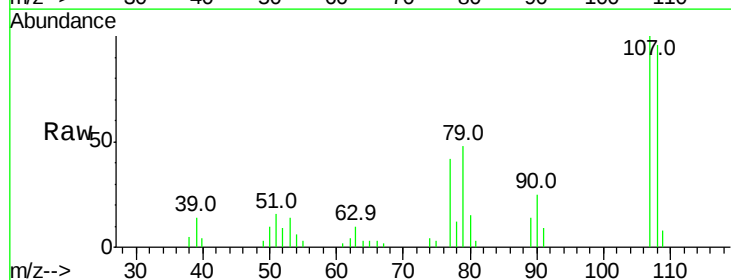
RT: 8.52 min Scan# 967

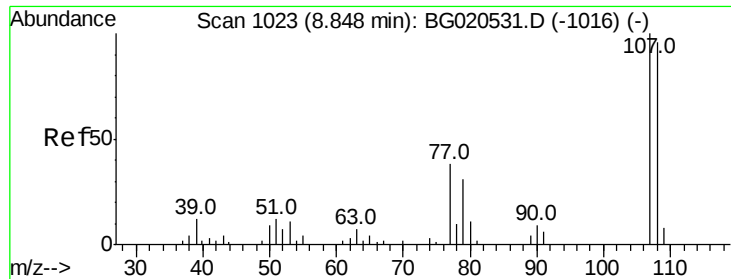
Delta R.T. 0.00 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Tgt Ion:	108	Resp:	14348
Ion Ratio	Lower	Upper	
108	100		
107	103.7	67.5	101.3#





#16

4-Methylphenol

Concen: 24.47 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Instrument :

BNA_G

ClientSampleId :

G9D93

Tot Ion:108 Resp: 40427

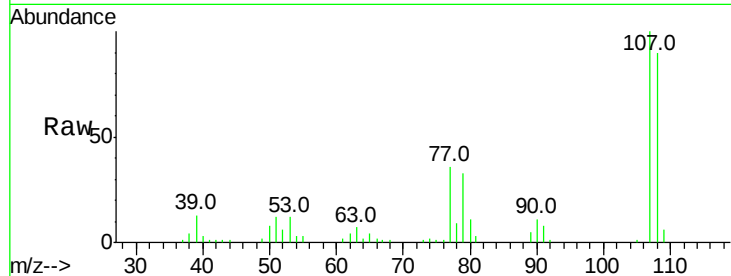
Ion Ratio Lower Upper

108 100

107 111.1 88.9 133.3

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

25000

20000

15000

10000

5000

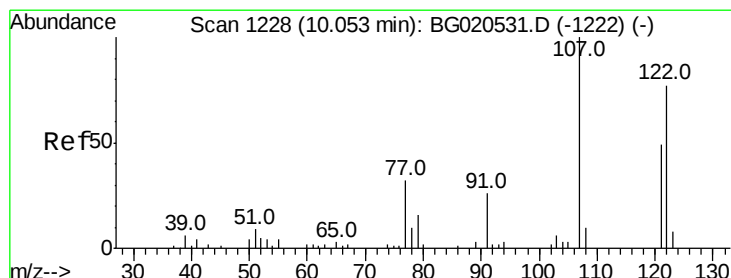
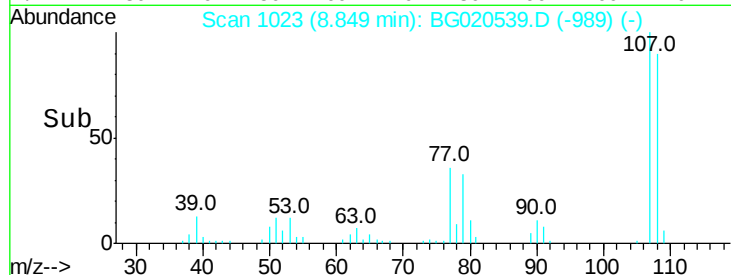
0

8.80

8.85

8.90

Time-->



#24

2,4-Dimethylphenol

Concen: 7.87 ng/ul m

RT: 10.06 min Scan# 1229

Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

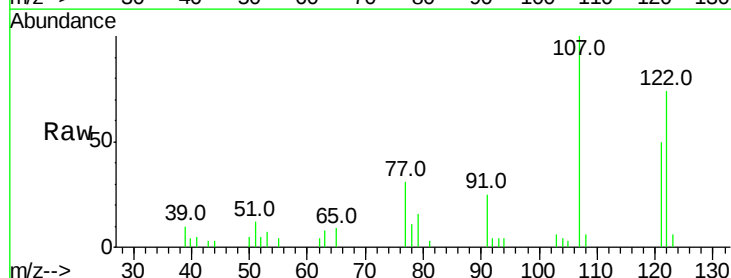
Tgt Ion:107 Resp: 15483

Ion Ratio Lower Upper

107 100

121 50.1 39.0 58.4

122 74.3 62.1 93.1



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

6000

4000

2000

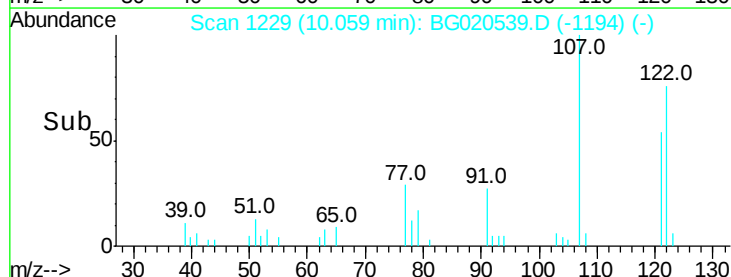
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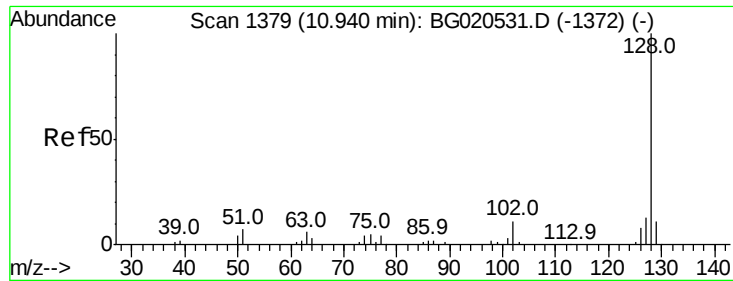
10.00

10.06

10.10

Time-->





#28

Naphthalene

Concen: 142.18 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Instrument :

BNA_G

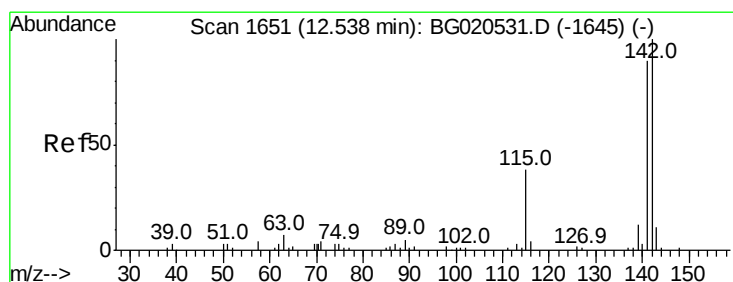
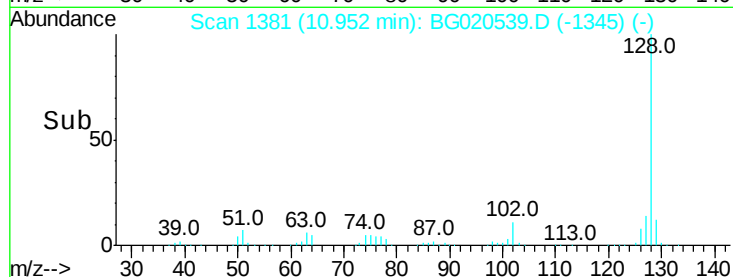
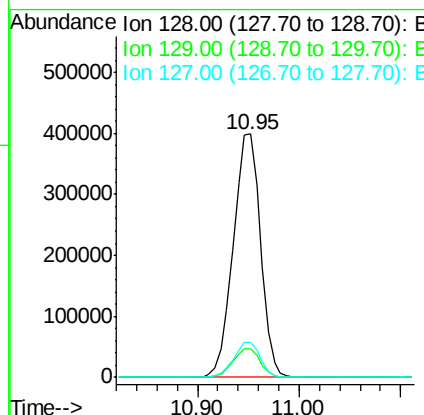
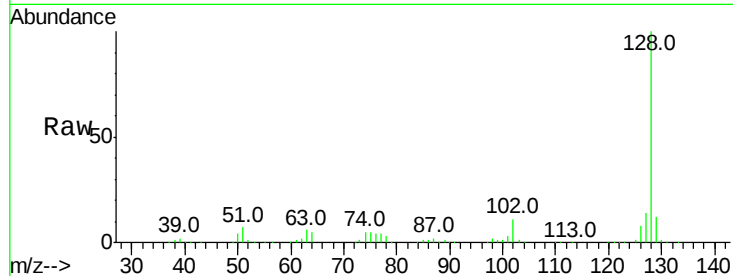
ClientSampleId :

G9D93

Tot Ion:	128	Resp:	743891
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.6	12.8
127	14.4	10.1	15.1

Manual Integrations
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#34

2-Methylnaphthalene

Concen: 47.42 ng/ul

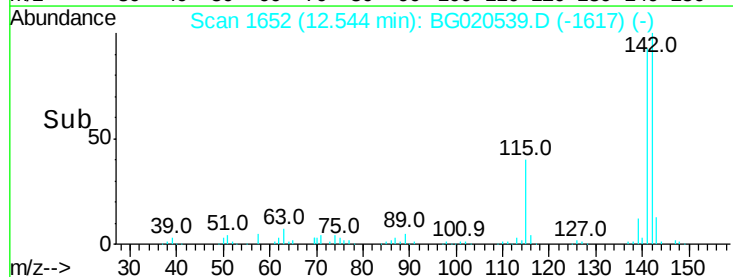
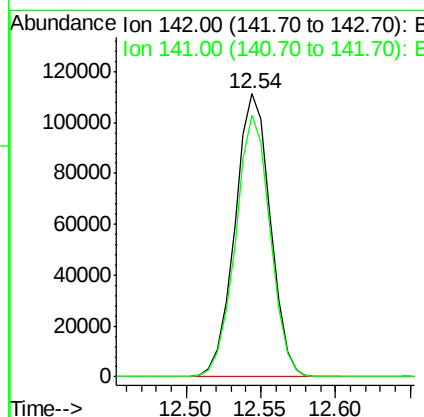
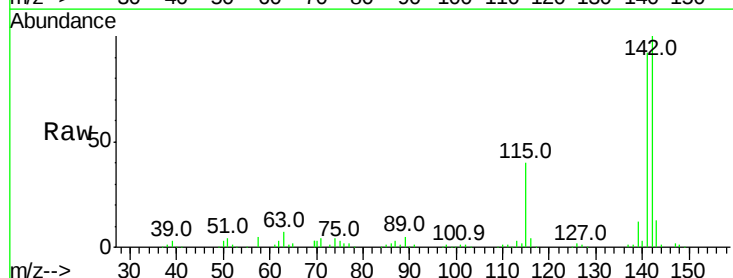
RT: 12.54 min Scan# 1652

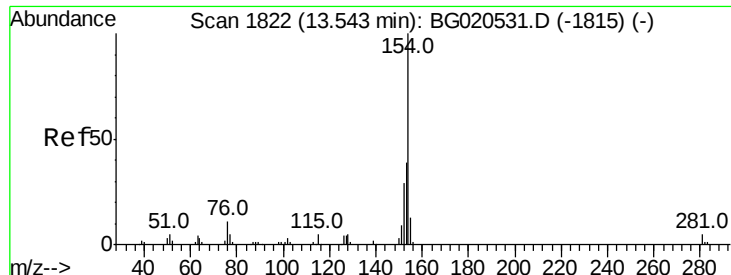
Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Tgt Ion:	142	Resp:	183580
Ion Ratio	Lower	Upper	
142	100		
141	92.4	74.9	112.3





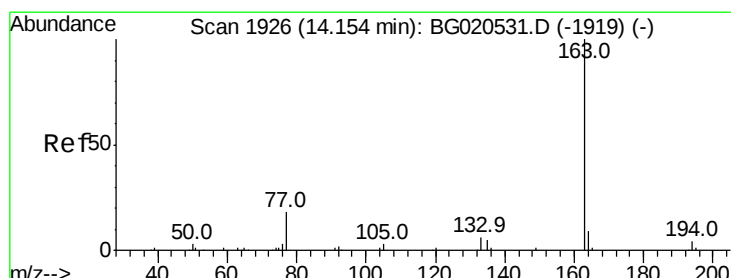
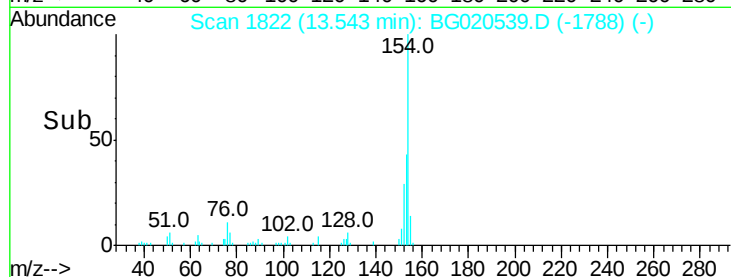
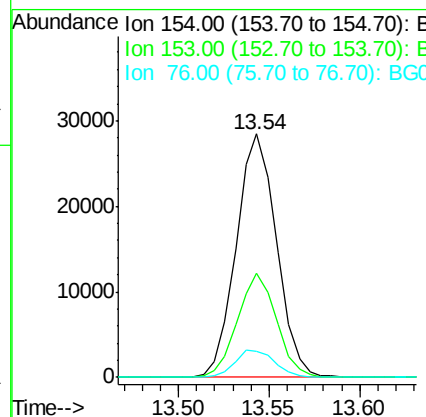
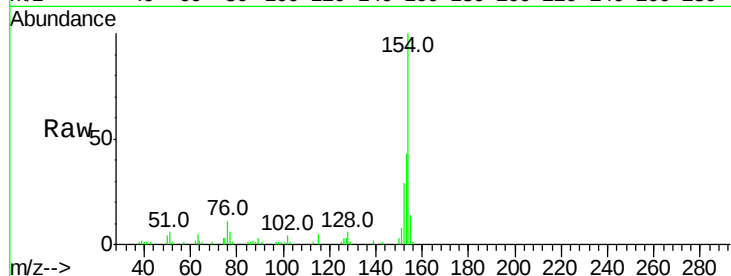
#41
 1,1'-Biphenyl
 Concen: 8.30 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Instrument :
 BNA_G
 ClientSampled :
 G9D93

Tot Ion:	154	Resp:	43953
Ion Ratio	Lower	Upper	
154	100		
153	42.5	35.5	53.3
76	10.6	10.4	15.6

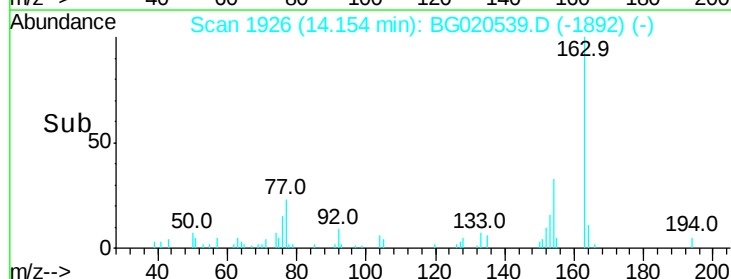
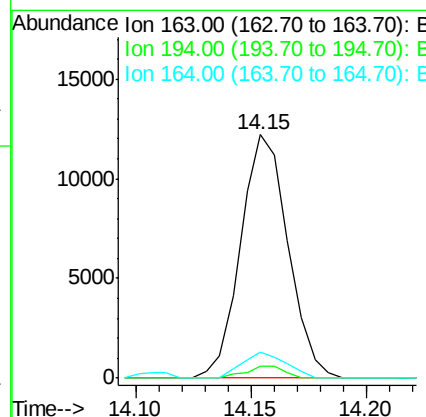
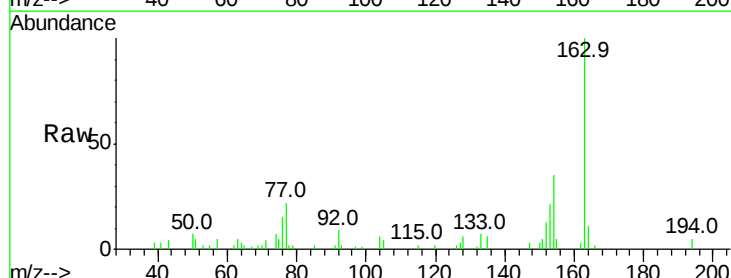
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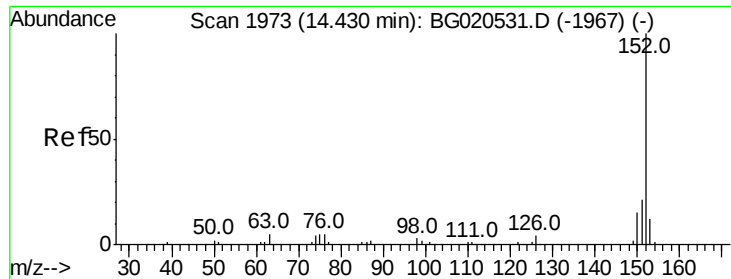
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#45
 Dimethylphthalate
 Concen: 3.03 ng/ul
 RT: 14.15 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Tgt Ion:	163	Resp:	17449
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.5	5.3
164	10.6	7.7	11.5





#48

Acenaphthylene

Concen: 25.57 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Instrument :

BNA_G

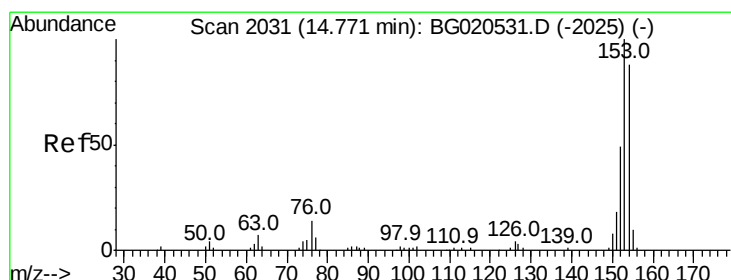
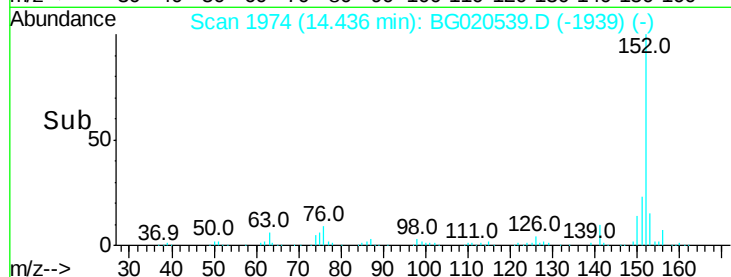
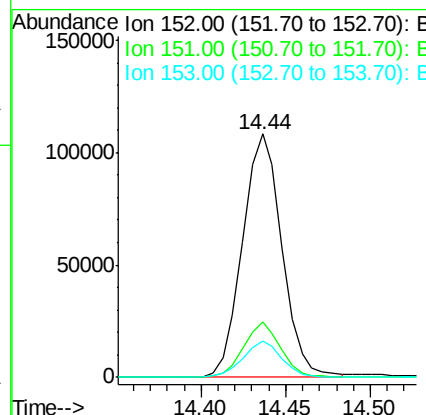
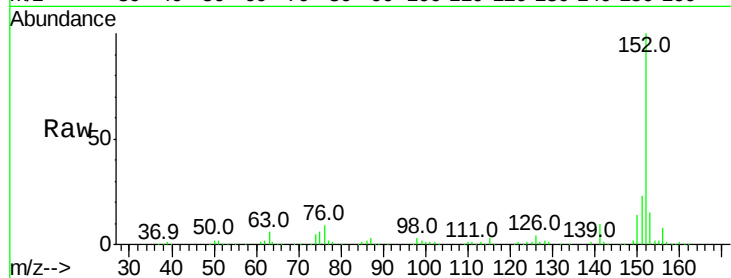
ClientSampleId :

G9D93

Tot Ion:	152	Resp:	176162
Ion Ratio	Lower	Upper	
152	100		
151	22.9	16.4	24.6
153	14.8	10.4	15.6

Manual Integrations
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#50

Acenaphthene

Concen: 6.09 ng/ul

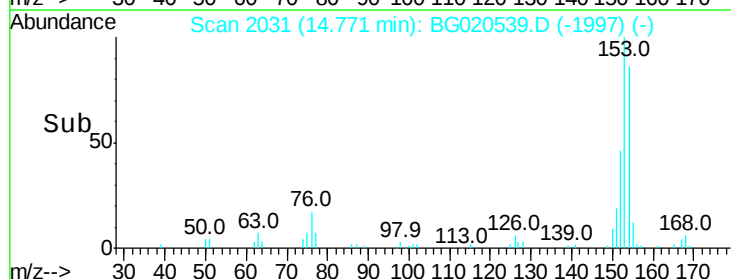
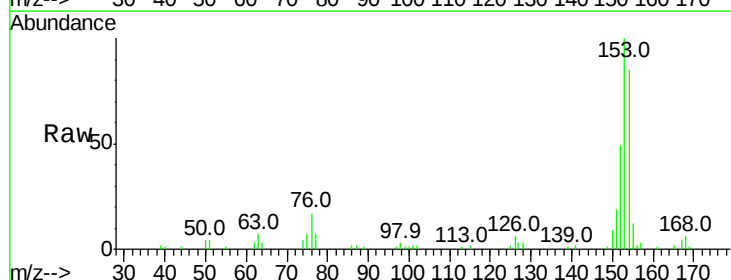
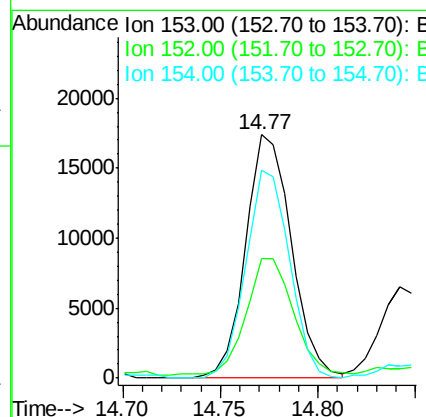
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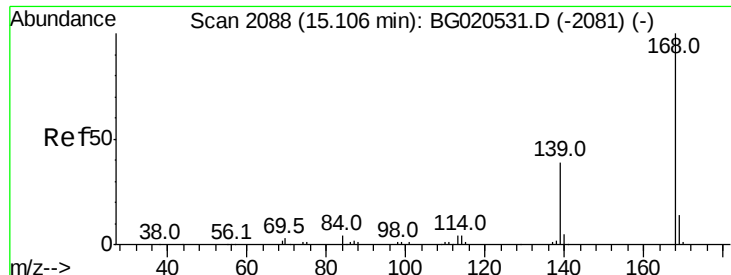
Delta R.T. 0.00 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Tgt Ion:	153	Resp:	28344
Ion Ratio	Lower	Upper	
153	100		
152	49.2	37.6	56.4
154	85.4	67.9	101.9





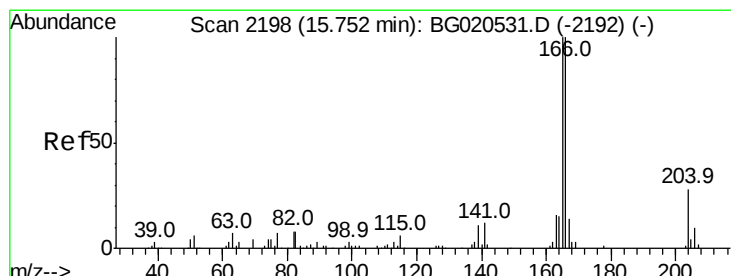
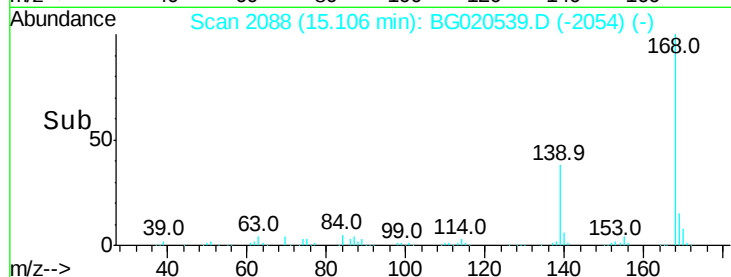
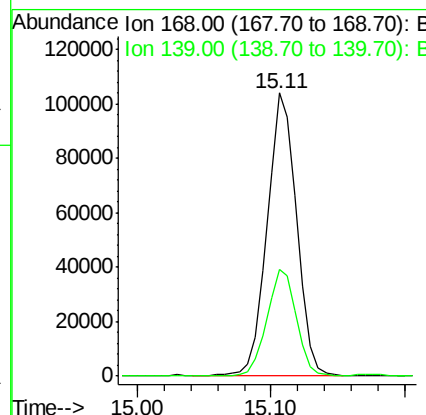
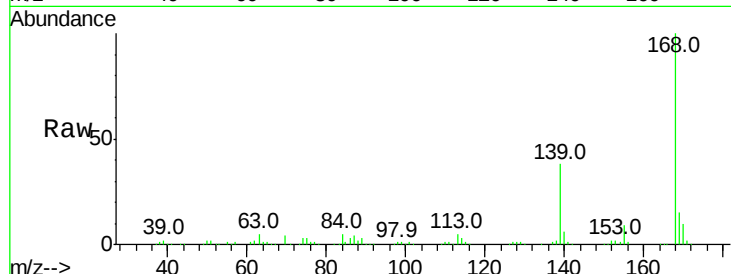
#54
Dibenzenofuran
Concen: 22.99 ng/ul
RT: 15.11 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Instrument :
BNA_G
ClientSampleId :
G9D93

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.5	45.7

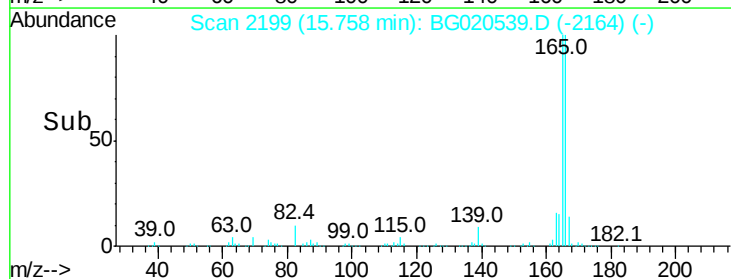
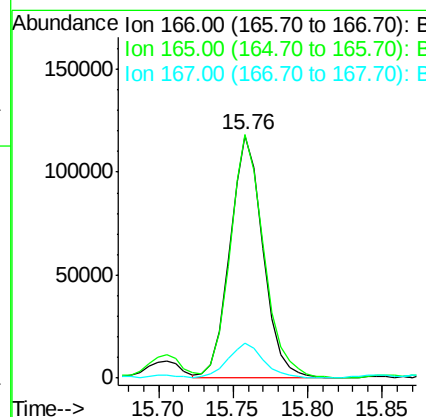
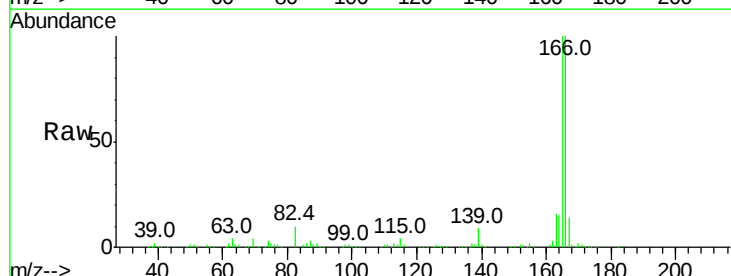
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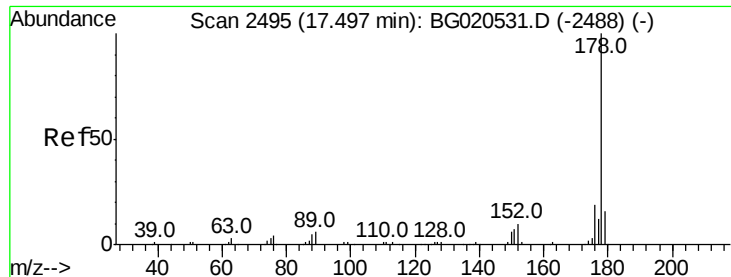
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#59
Fluorene
Concen: 32.20 ng/ul
RT: 15.76 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	81.4	122.0
167	14.2	11.2	16.8





#70

Phenanthrene

Concen: 94.14 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Instrument :

BNA_G

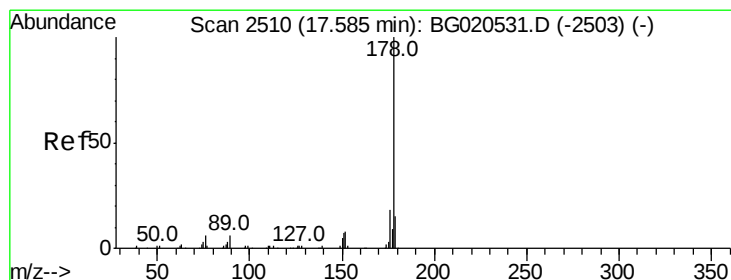
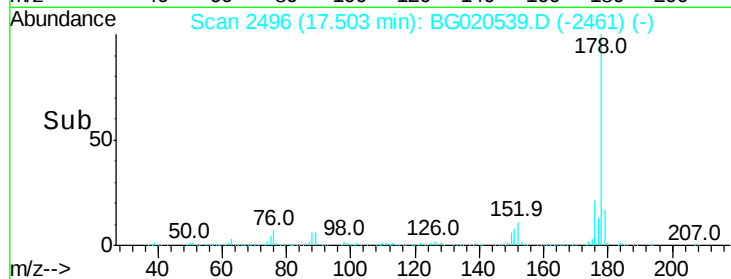
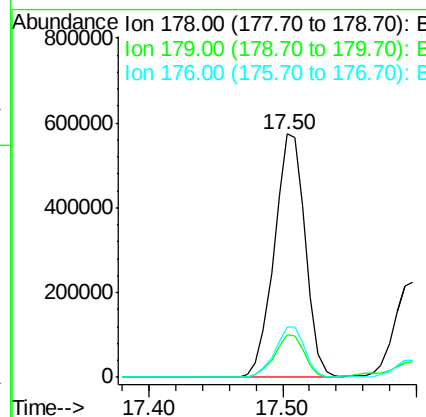
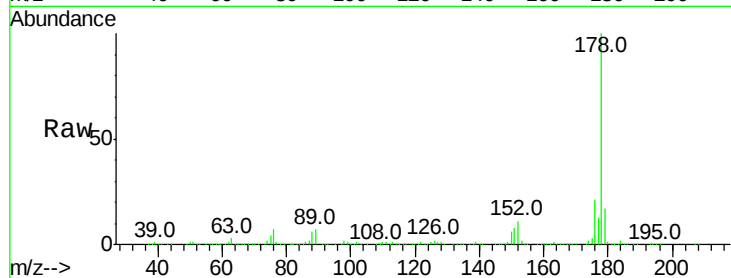
ClientSampleId :

G9D93

Tot Ion:178	Resp:	928545
Ion Ratio	Lower	Upper
178	100	
179	17.3	12.9 19.3
176	20.6	15.3 22.9

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#72

Anthracene

Concen: 33.65 ng/ul

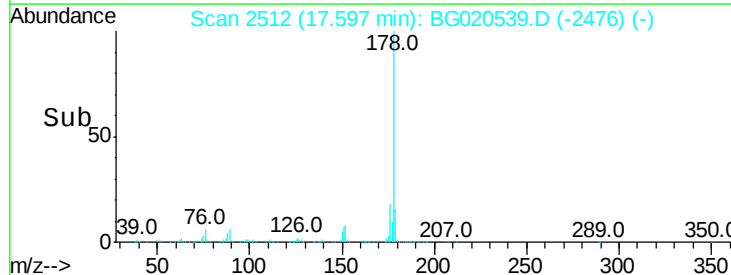
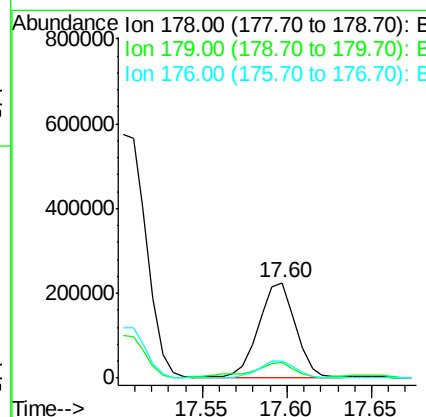
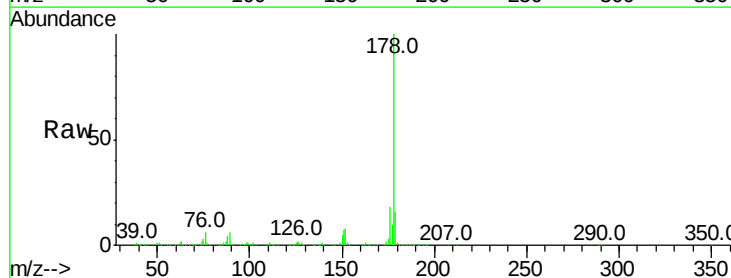
RT: 17.60 min Scan# 2512

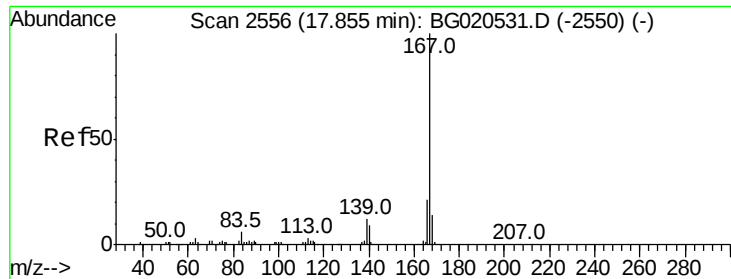
Delta R.T. 0.01 min

Lab File: BG020539.D

Acq: 26 Dec 2015 14:11

Tgt Ion:178	Resp:	339412
Ion Ratio	Lower	Upper
178	100	
179	16.0	12.3 18.5
176	17.9	14.3 21.5





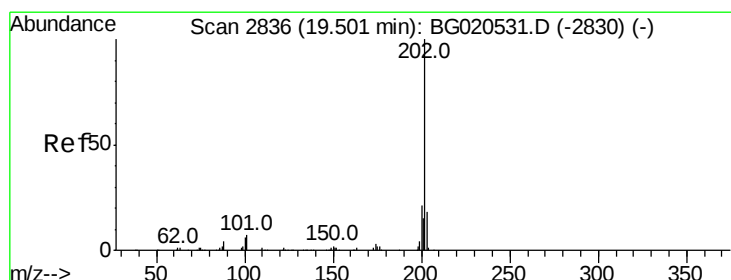
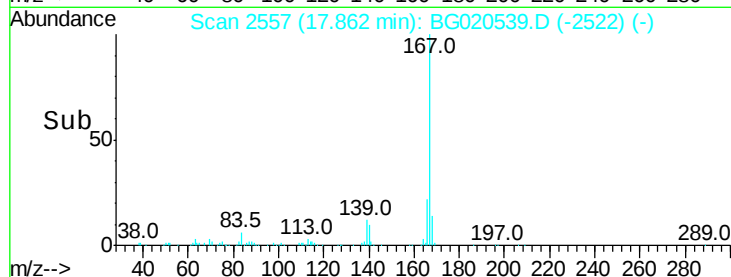
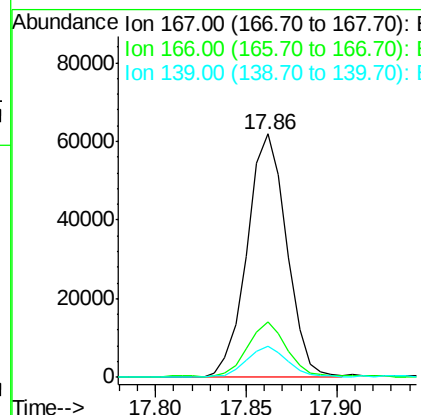
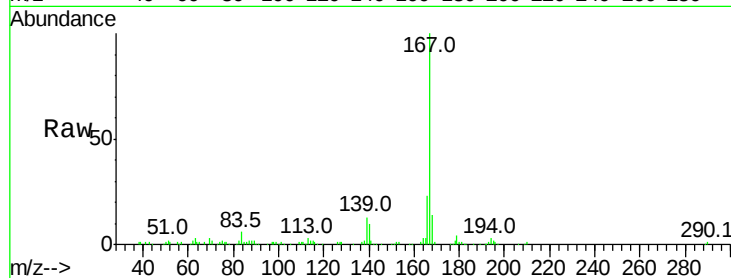
#75
 Carbazole
 Concen: 11.07 ng/ul
 RT: 17.86 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.0	25.6
139	12.8	10.1	15.1

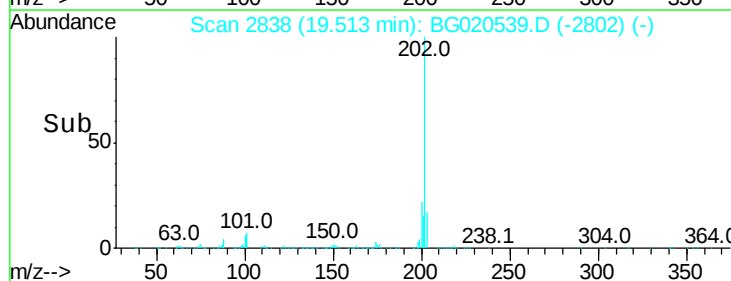
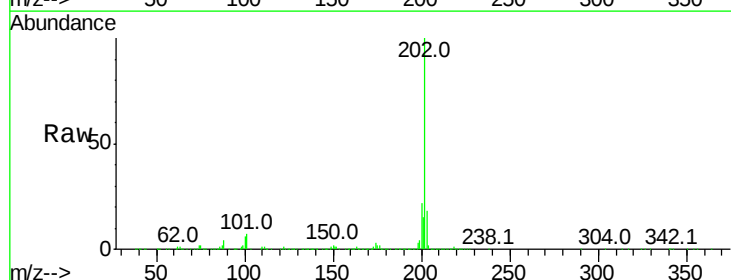
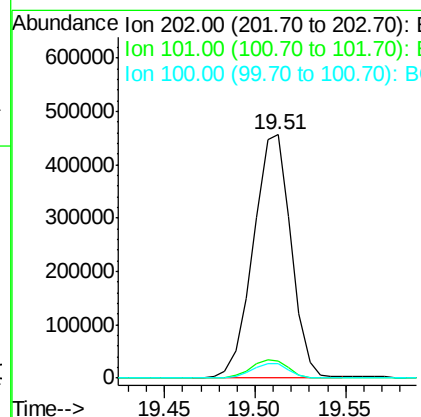
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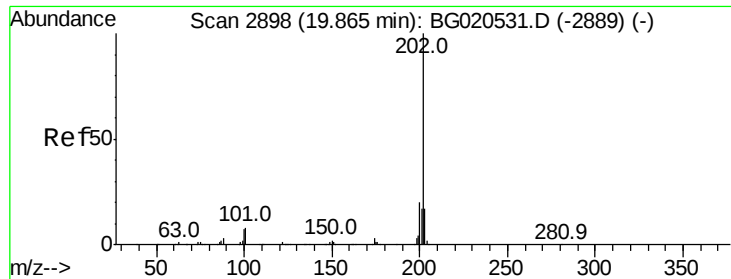
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#77
 Fluoranthene
 Concen: 53.46 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.1	6.2	9.4
100	6.0	5.1	7.7





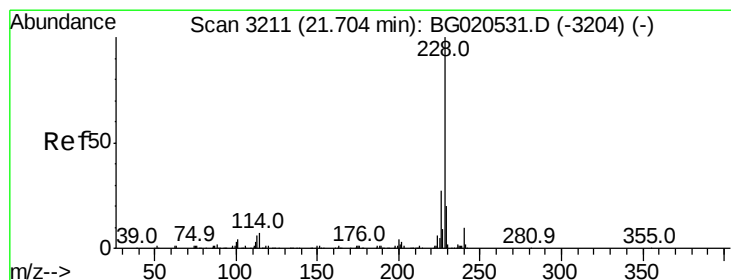
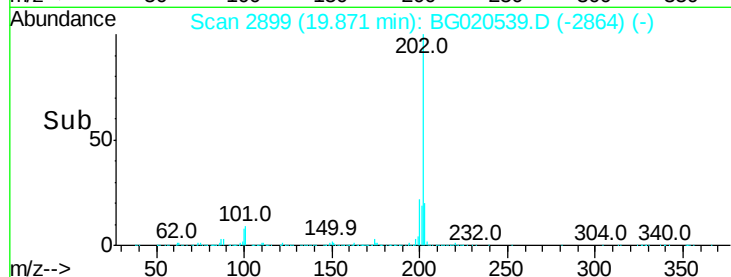
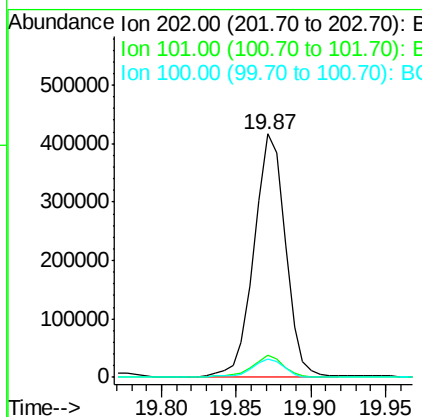
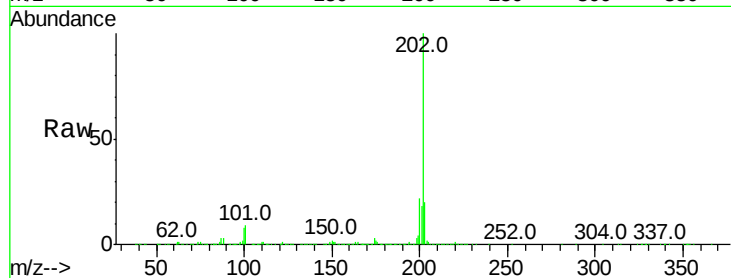
#80
Pvrene
Concen: 47.63 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. 0.01 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Instrument :
BNA_G
ClientSampleId :
G9D93

Tot Ion:	202	Resp:	602994
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
100	7.8	6.4	9.6

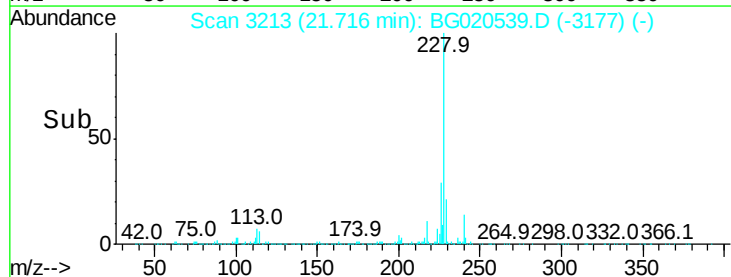
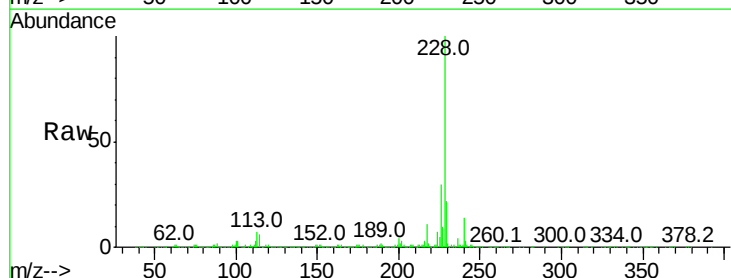
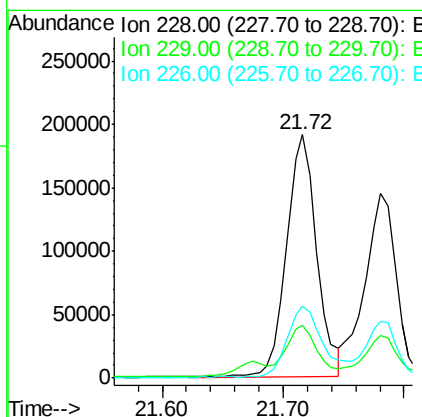
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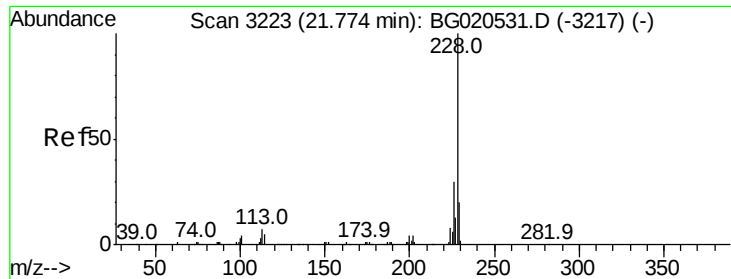
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#83
Benzo(a)anthracene
Concen: 25.28 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.01 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Tgt Ion:	228	Resp:	332342
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.8	23.8
226	29.6	21.8	32.6





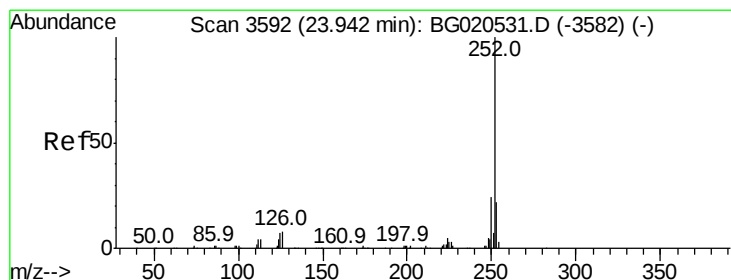
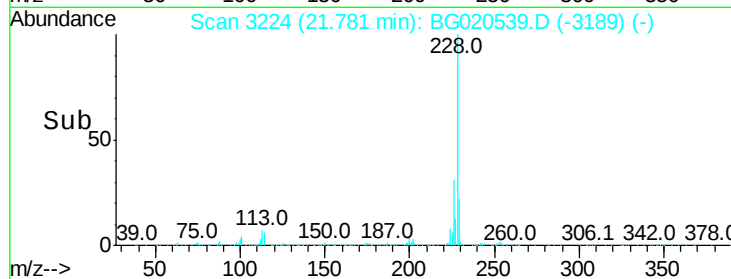
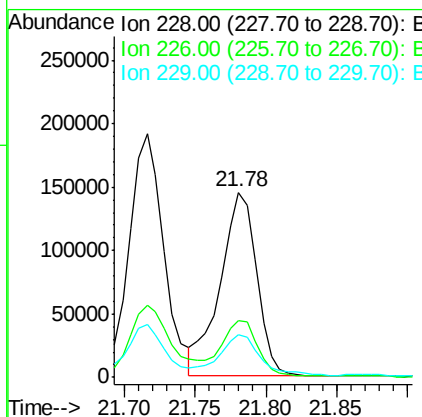
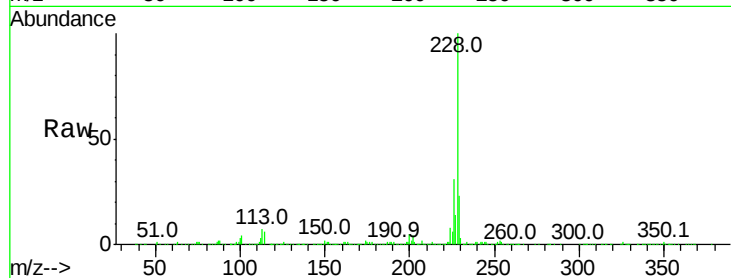
#85
Chrysene
Concen: 21.02 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. 0.01 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Instrument :
BNA_G
ClientSampleId :
G9D93

Tot Ion:228	Resp:	263239
Ion Ratio	Lower	Upper
228 100		
226 30.9	23.9	35.9
229 23.2	15.6	23.4

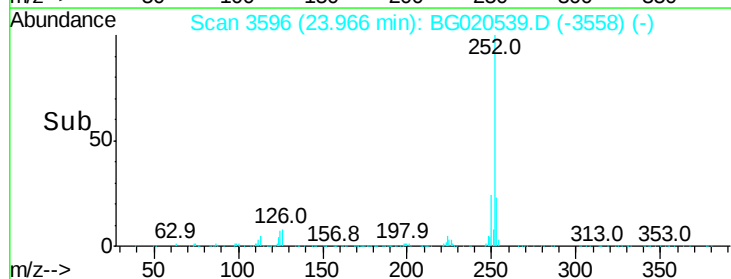
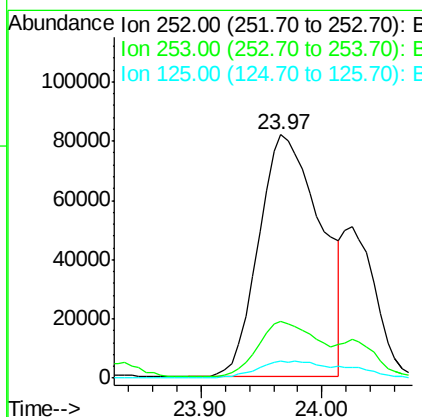
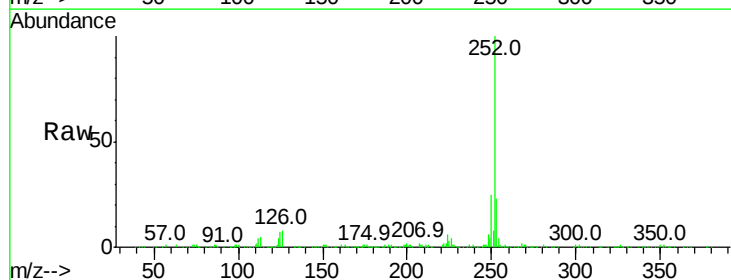
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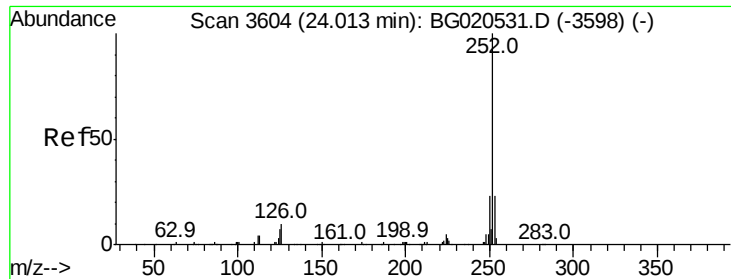
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#88
Benzo(b)fluoranthene
Concen: 22.14 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. 0.02 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Tgt Ion:252	Resp:	291417
Ion Ratio	Lower	Upper
252 100		
253 23.4	16.7	25.1
125 7.0	6.2	9.2





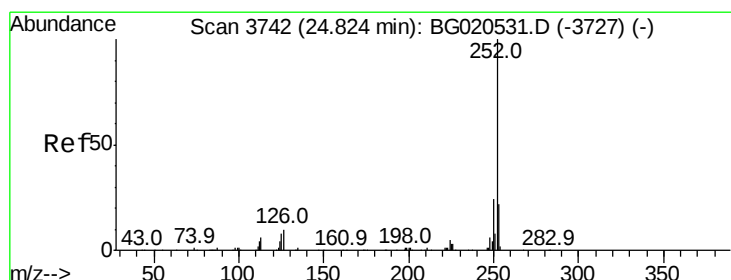
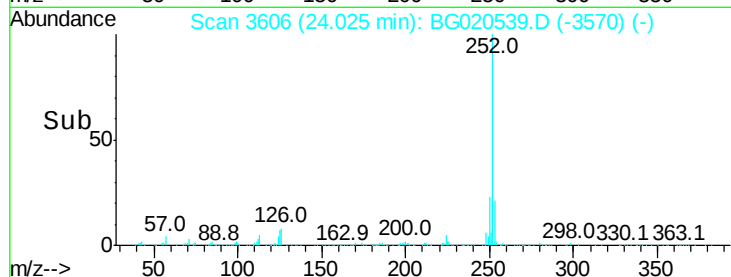
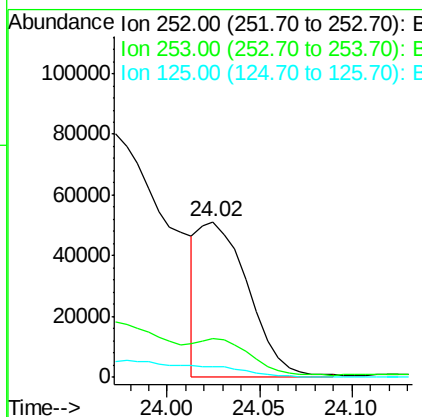
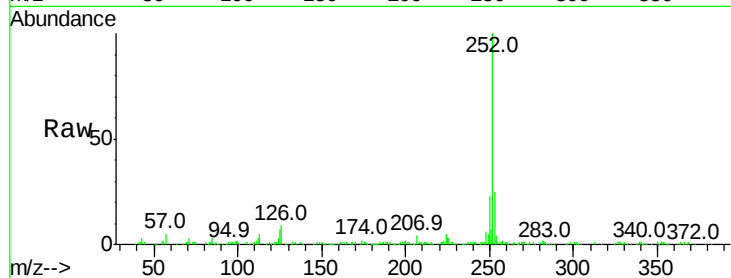
#89
Benzo(k)fluoranthene
Concen: 7.50 ng/ul m
RT: 24.02 min Scan# 3606
Delta R.T. 0.01 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Instrument :
BNA_G
ClientSampleId :
G9D93

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	6.8	5.8	8.6

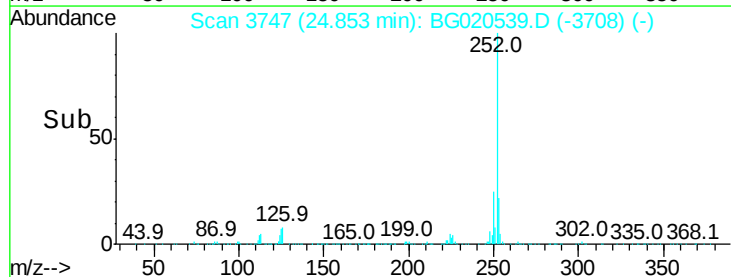
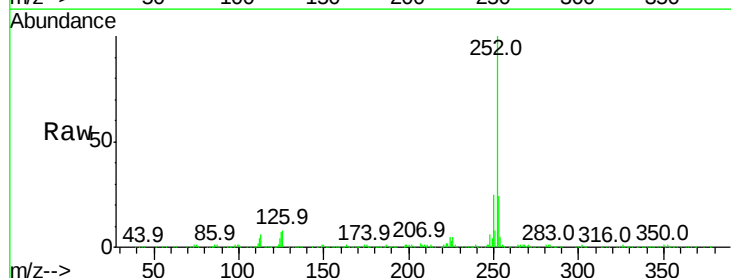
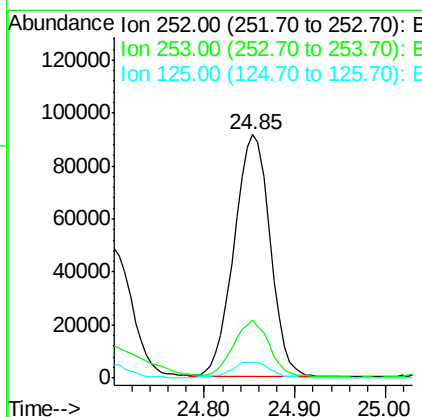
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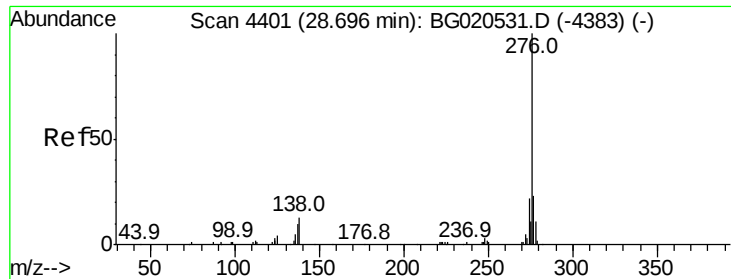
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#91
Benzo(a)pyrene
Concen: 19.99 ng/ul
RT: 24.85 min Scan# 3747
Delta R.T. 0.03 min
Lab File: BG020539.D
Acq: 26 Dec 2015 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.4
125	6.7	6.2	9.4





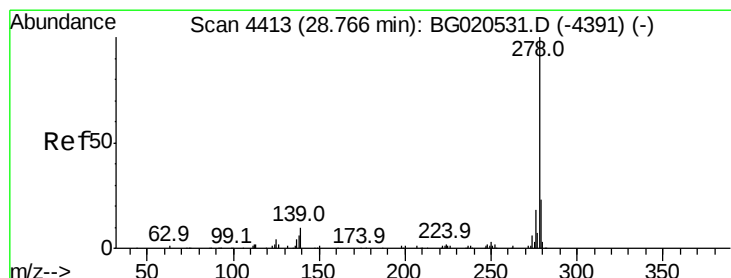
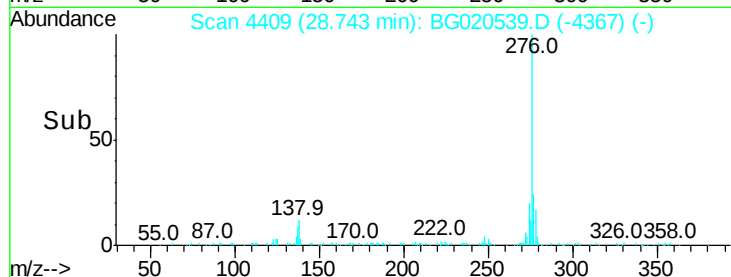
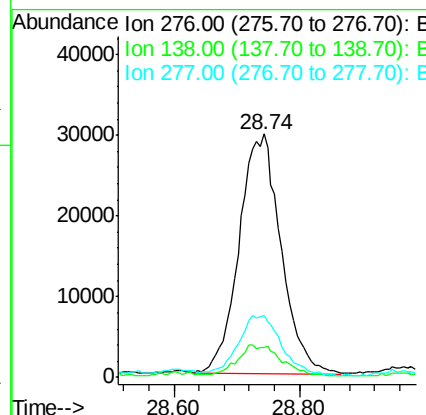
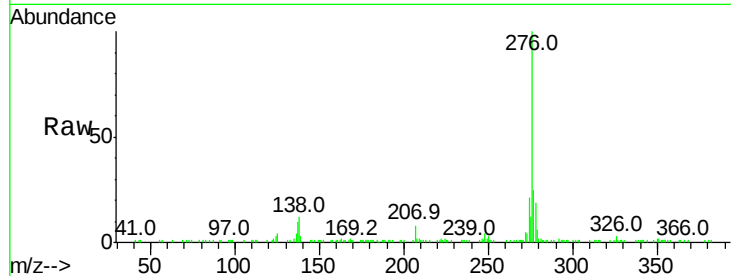
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 9.10 ng/ul m
 RT: 28.74 min Scan# 4409
 Delta R.T. 0.05 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Tot Ion	Ratio	Resp	Lower	Upper
276	100	137926		
138	12.4		11.4	17.0
277	25.3		17.4	26.0

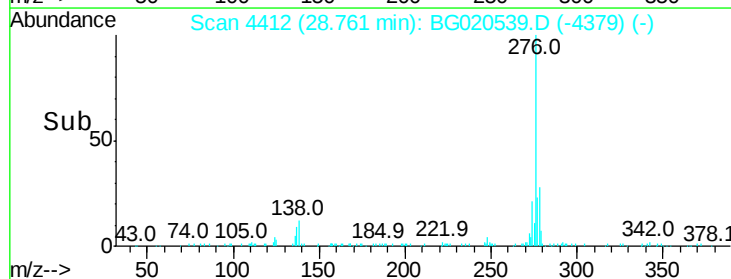
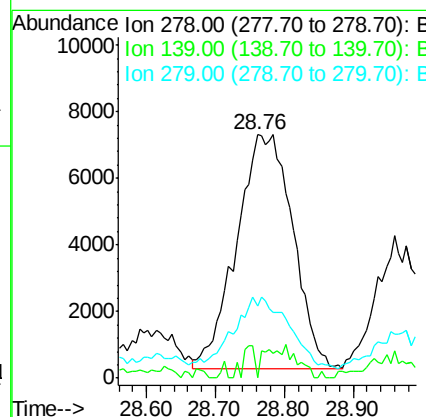
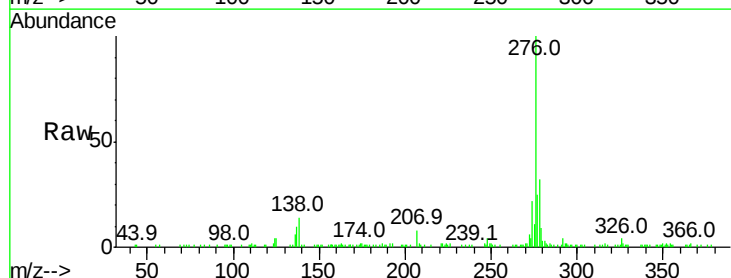
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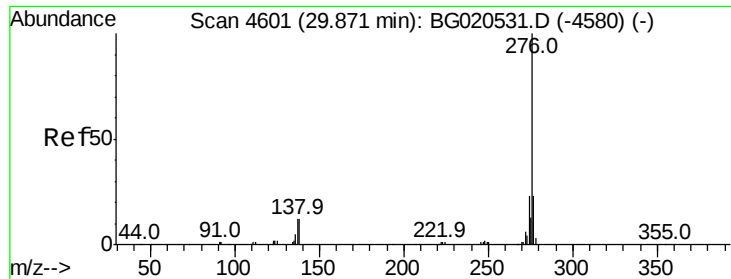
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.17 ng/ul m
 RT: 28.76 min Scan# 4412
 Delta R.T. -0.01 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	39909		
139	3.1		9.4	14.2#
279	29.5		19.4	29.0#





#94
 Benzo(a,h,i)perylene
 Concen: 9.04 ng/ul
 RT: 29.91 min Scan# 4607
 Delta R.T. 0.04 min
 Lab File: BG020539.D
 Acq: 26 Dec 2015 14:11

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.0	10.8	16.2
277	23.9	19.9	29.9

Manual Integrations
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