

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020424.D
 Acq On : 23 Dec 2015 2:12
 Operator : UM/SJ
 Sample : G4866-13MS
 Misc : MED LEVEL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MS

Manual Integrations
 APPROVED

Sohil
 12/24/2015 5:33:29 PM

Quant Time: Dec 23 08:02:46 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20890	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	93165	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	64932	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	149186	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	184012	20.00	ng/ul	0.02
86) Perylene-d12	25.04	264	186623	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1133	2.99	ng/uL	0.00
5) Phenol-d5	7.24	99	33513	18.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	19357	17.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26297	19.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	24734	15.70	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14653	20.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17211	21.30	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	32645	19.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	18306	9.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	109887	20.92	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	127831	20.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13191	14.00	ng/ul	0.00
58) Fluorene-d10	15.71	176	97176	20.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	15590	17.63	ng/ul	0.00
71) Anthracene-d10	17.56	188	148023	21.53	ng/ul	0.00
79) Pyrene-d10	19.85	212	177238	20.67	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	200195	21.51	ng/ul	0.03

Target Compounds

						Ovalue
6) Phenol	7.27	94	32789	16.62	ng/ul	98
10) 2-Chlorophenol	7.65	128	24973	17.80	ng/ul	95
15) N-Nitroso-di-n-propylamine	8.89	70	22553	17.27	ng/ul	96
28) Naphthalene	10.95	128	44359	9.12	ng/ul	99
33) 4-Chloro-3-methylphenol	12.18	107	32841	16.44	ng/ul	91
34) 2-Methylnaphthalene	12.55	142	10941	2.94	ng/ul	93
41) 1,1'-Biphenyl	13.55	154	6210	1.27	ng/ul	95
45) Dimethylphthalate	14.16	163	25013	4.66	ng/ul	96
50) Acenaphthene	14.78	153	218012	49.91	ng/ul	100
53) 4-Nitrophenol	14.94	109	10839	11.96	ng/ul	96
54) Dibenzofuran	15.11	168	83925	12.92	ng/ul	97
55) 2,4-Dinitrotoluene	15.08	165	30993	19.03	ng/ul#	86
59) Fluorene	15.77	166	131413	25.19	ng/ul	99
69) Pentachlorophenol	17.12	266	13710	12.09	ng/ul	96
70) Phenanthrene	17.52	178	1882109m	230.64	ng/ul	
72) Anthracene	17.60	178	427382	51.64	ng/ul	97
75) Carbazole	17.87	167	259630	37.33	ng/ul	99
77) Fluoranthene	19.54	202	3019333	316.59	ng/ul#	84
80) Pyrene	19.90	202	2853880	256.25	ng/ul#	84
83) Benzo(a)anthracene	21.73	228	1748431	162.84	ng/ul#	89
85) Chrysene	21.81	228	1843175	182.27	ng/ul#	86
88) Benzo(b)fluoranthene	24.02	252	2662117	237.00	ng/ul#	92
89) Benzo(k)fluoranthene	24.07	252	954081m	88.51	ng/ul	

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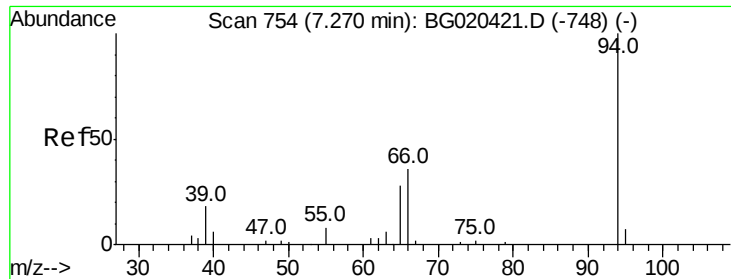
Manual Integrations
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Quant Time: Dec 23 08:02:46 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 07:35:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.91	252	1896478	178.11	ng/ul	93
92) Indeno(1,2,3-cd)pyrene	28.83	276	1506835	118.83	ng/ul#	93
93) Dibenzo(a,h)anthracene	28.86	278	355349	33.76	ng/ul#	97
94) Benzo(g,h,i)perylene	30.01	276	1378661	132.63	ng/ul	99

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



#6

Phenol

Concen: 16.62 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

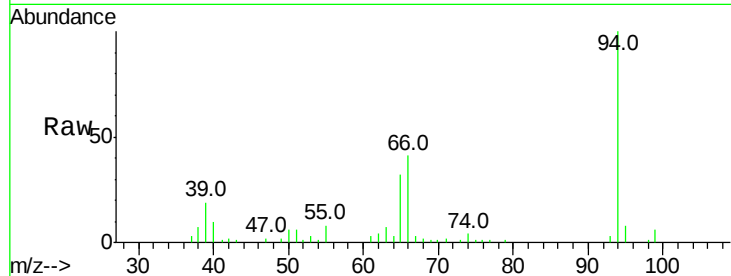
ClientSampleId :

E43M4MS

Tot Ion:	94	Resp:	32789
Ion	Ratio	Lower	Upper
94	100		
65	31.7	26.3	39.5
66	40.6	33.3	49.9

Manual Integrations
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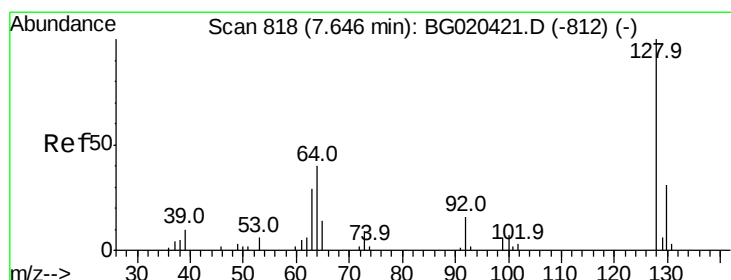
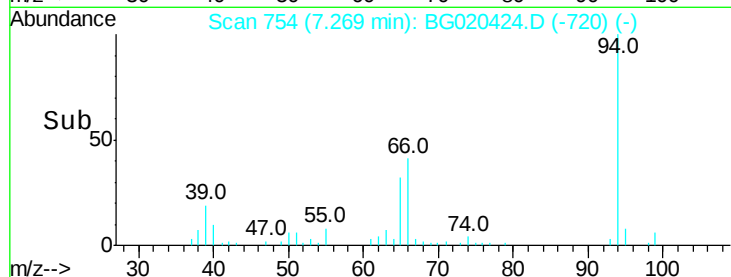
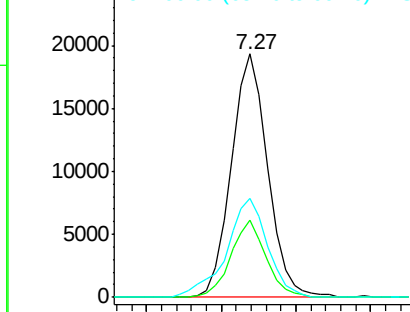


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#10

2-Chlorophenol

Concen: 17.80 ng/ul

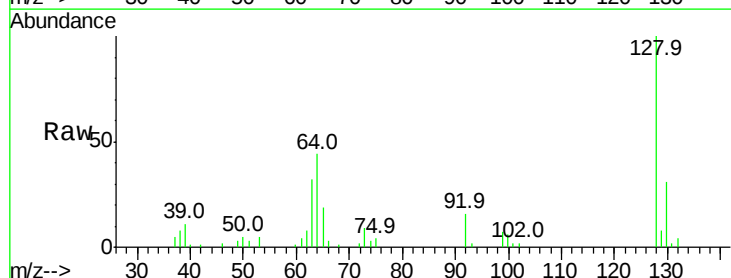
RT: 7.65 min Scan# 818

Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Tgt Ion:	128	Resp:	24973
Ion	Ratio	Lower	Upper
128	100		
64	43.9	39.4	59.0
130	31.3	24.6	36.8

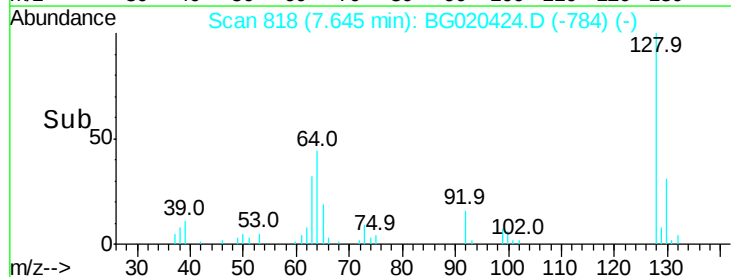
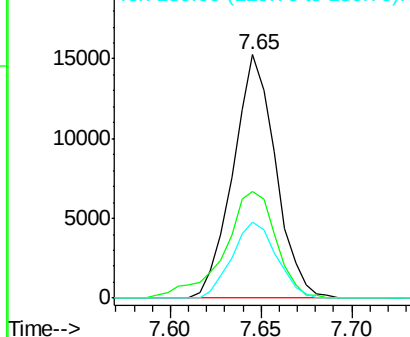


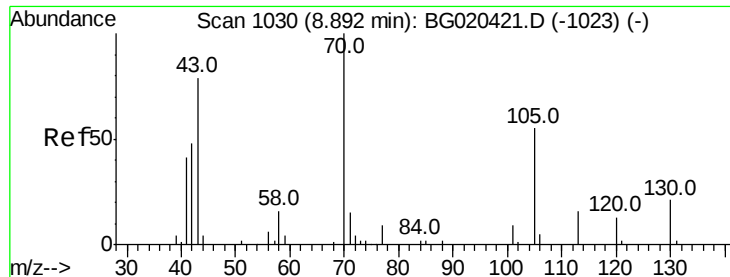
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#15

N-Nitroso-di-n-propylamine

Concen: 17.27 ng/ul

RT: 8.89 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

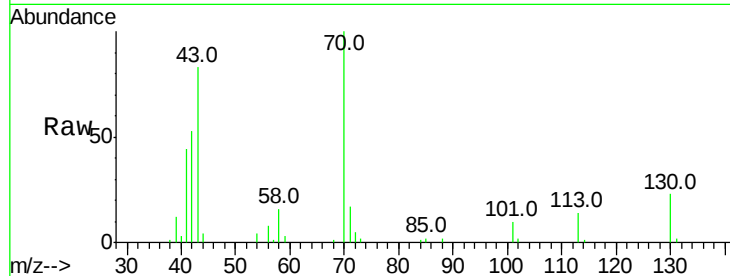
ClientSampleId :

E43M4MS

Tot Ion:	70	Resp:	22553
Ion Ratio	Lower	Upper	
70	100		
42	52.7	44.3	66.5
101	10.3	7.6	11.4
130	23.0	17.0	25.4

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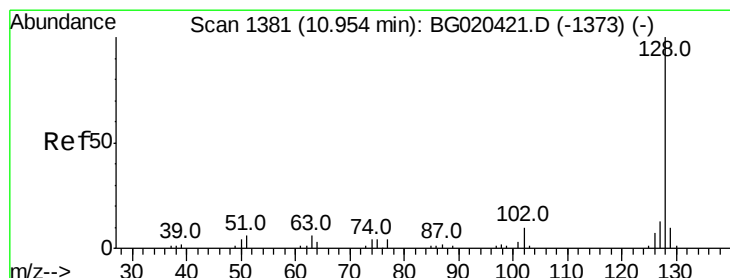
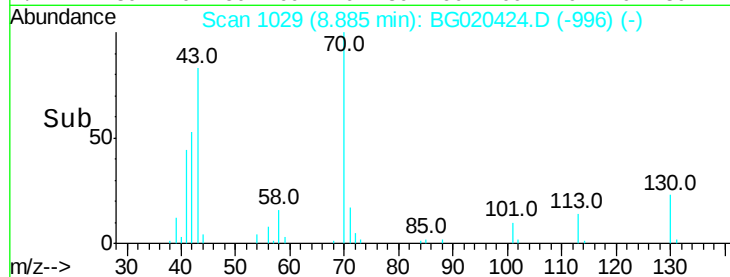
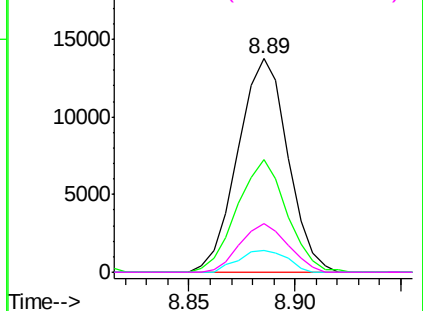
Abundance

Ion 70.00 (69.70 to 70.70): BG020421.D (-1023) (-)

Ion 42.00 (41.70 to 42.70): BG020421.D (-1023) (-)

Ion 101.00 (100.70 to 101.70): BG020421.D (-1023) (-)

Ion 130.00 (129.70 to 130.70): BG020421.D (-1023) (-)



#28

Naphthalene

Concen: 9.12 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

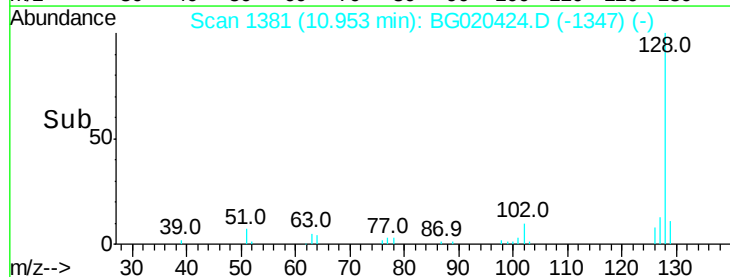
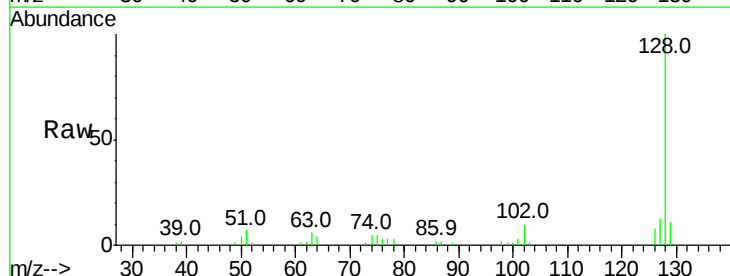
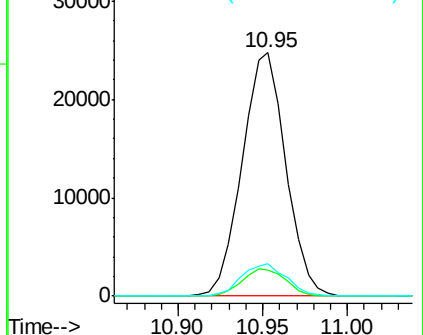
Tgt Ion:	128	Resp:	44359
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	12.8
127	13.1	10.1	15.1

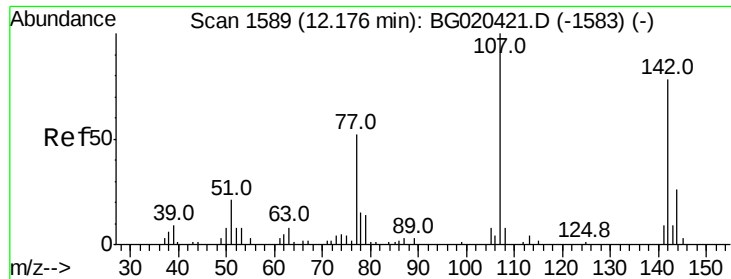
Abundance

Ion 128.00 (127.70 to 128.70): BG020421.D (-1373) (-)

Ion 129.00 (128.70 to 129.70): BG020421.D (-1373) (-)

Ion 127.00 (126.70 to 127.70): BG020421.D (-1373) (-)





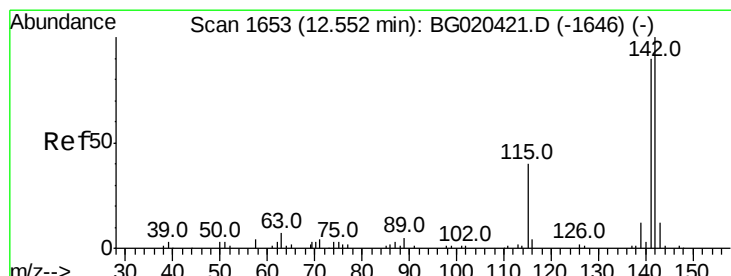
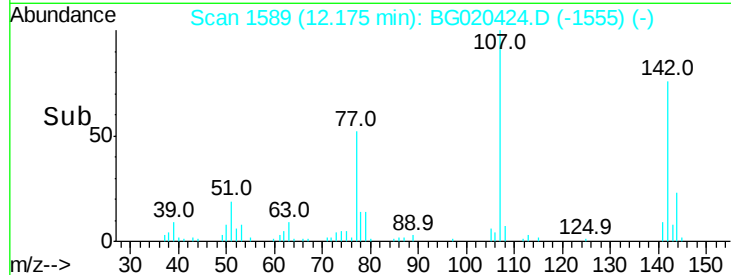
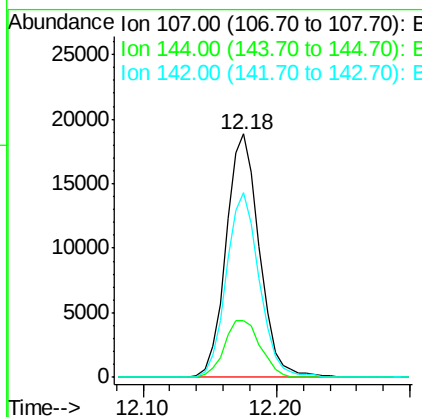
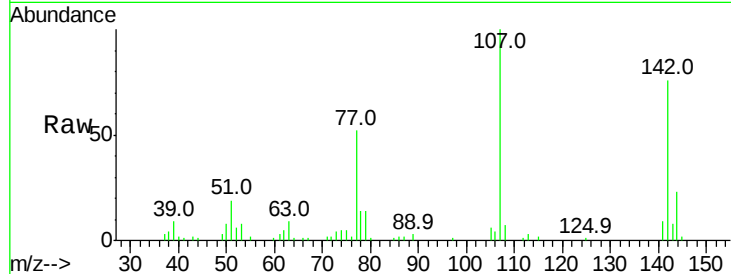
#33
 4-Chloro-3-methylphenol
 Concen: 16.44 ng/ul
 RT: 12.18 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BG020424.D
 Acq: 23 Dec 2015 2:12

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MS

Tot Ion:	107	Resp:	32841
Ion Ratio	Lower	Upper	
107	100		
144	23.4	18.7	28.1
142	76.0	52.8	79.2

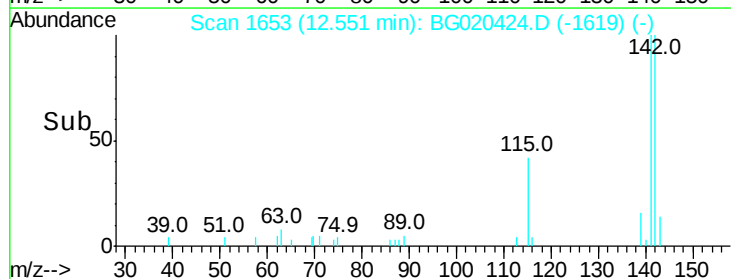
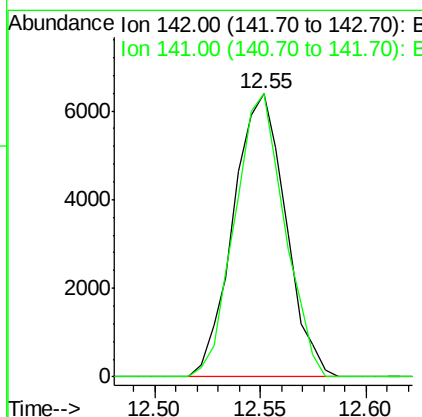
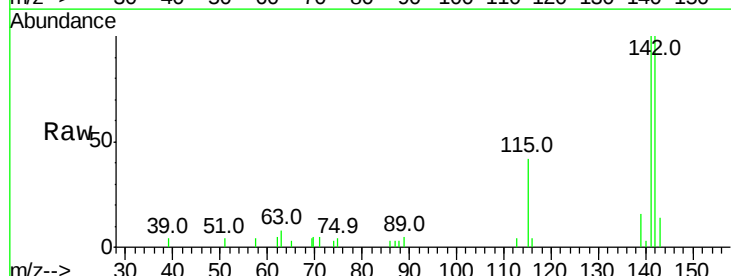
Manual Integrations
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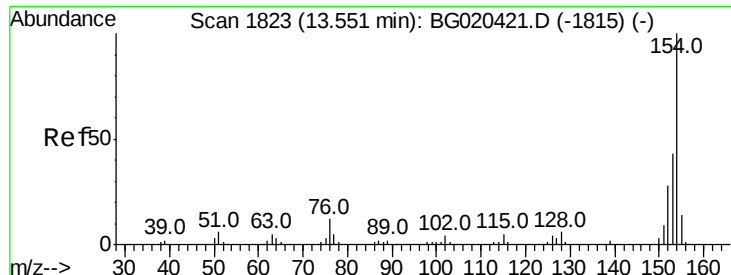
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#34
 2-Methylnaphthalene
 Concen: 2.94 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BG020424.D
 Acq: 23 Dec 2015 2:12

Tgt Ion:	142	Resp:	10941
Ion Ratio	Lower	Upper	
142	100		
141	99.9	74.9	112.3





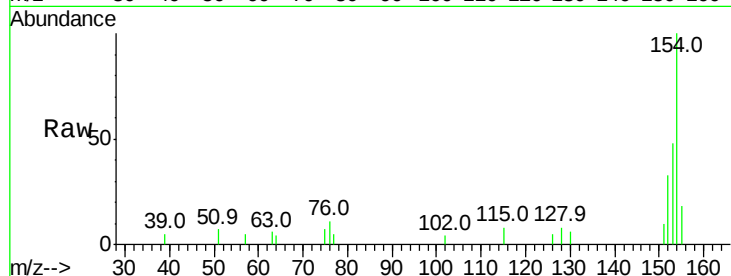
#41
1,1'-Biphenyl
Concen: 1.27 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

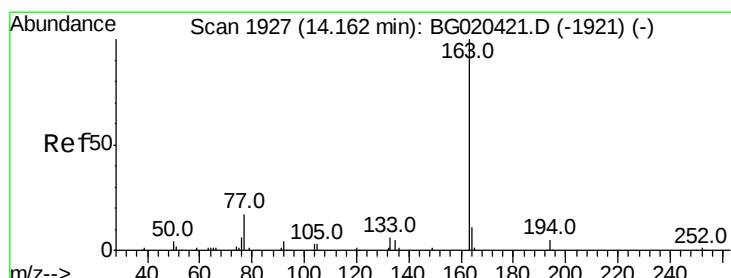
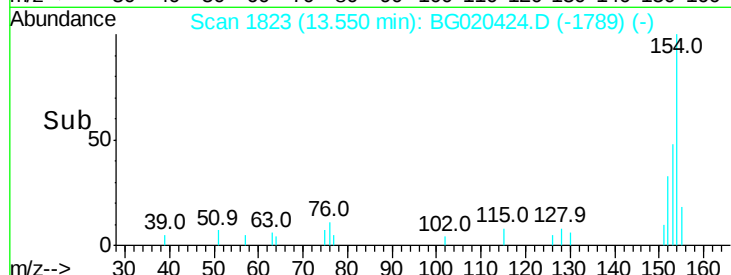
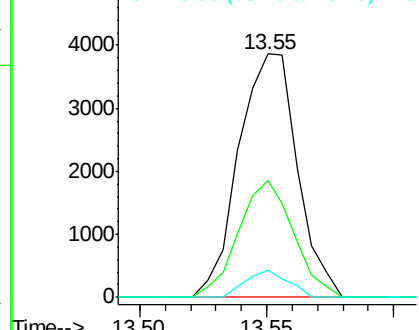
Tot Ion	Ratio	Lower	Upper
154	100		
153	47.9	35.5	53.3
76	11.0	10.4	15.6

Manual Integrations
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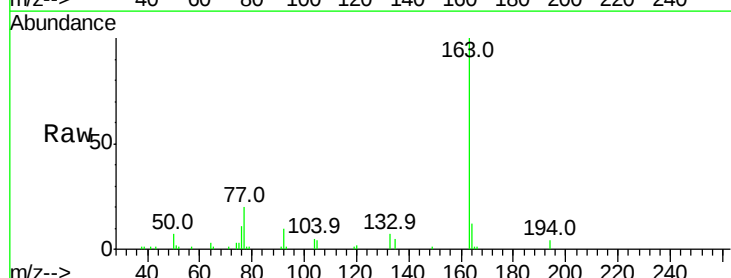


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

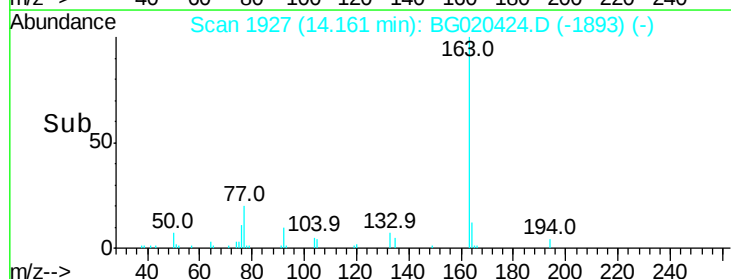
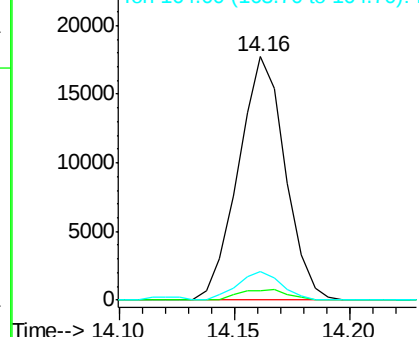


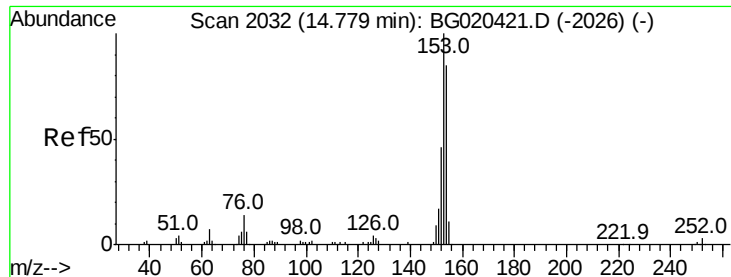
#45
Dimethylphthalate
Concen: 4.66 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	11.5	7.7	11.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 49.91 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

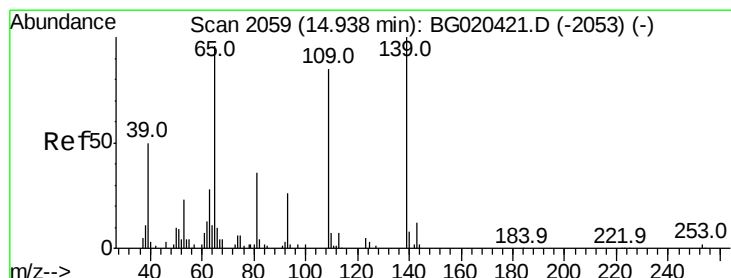
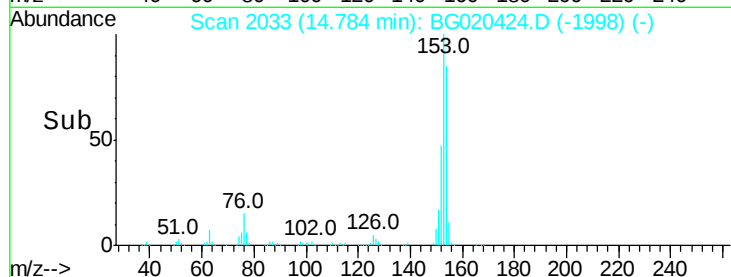
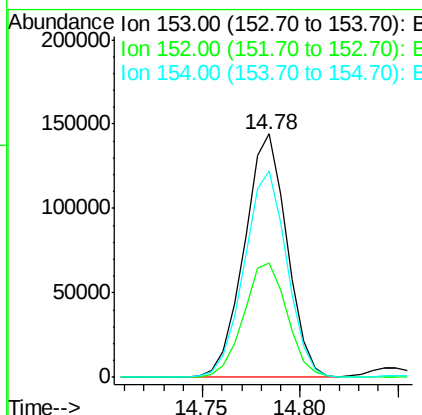
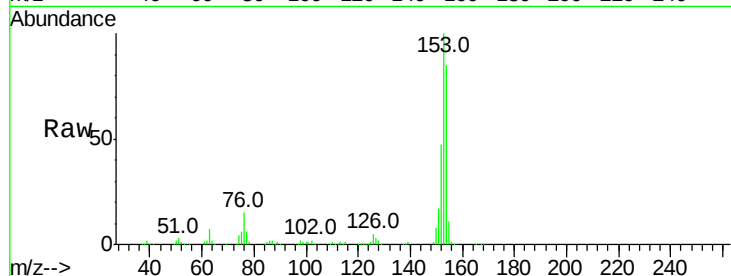
ClientSampleId :

E43M4MS

Tot Ion:	153	Resp:	218012
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.6	56.4
154	84.8	67.9	101.9

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#53

4-Nitrophenol

Concen: 11.96 ng/ul

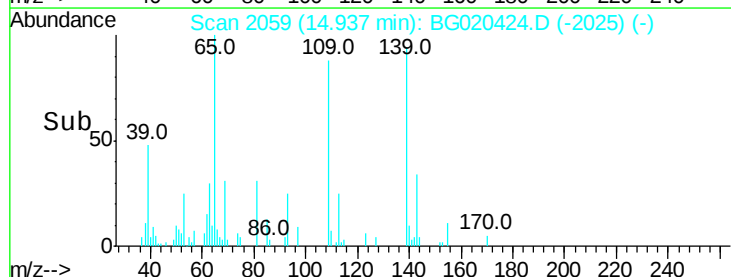
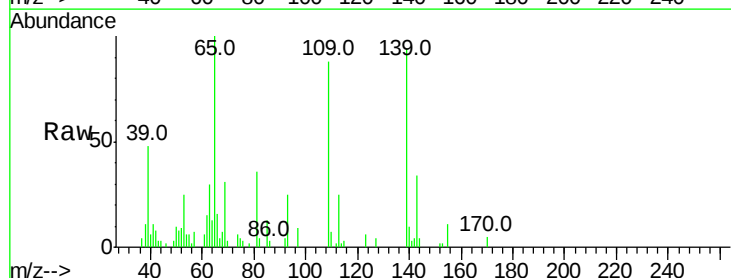
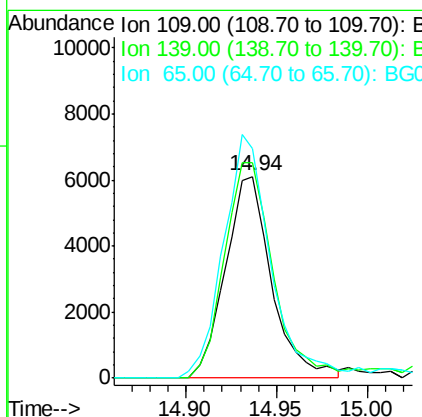
RT: 14.94 min Scan# 2059

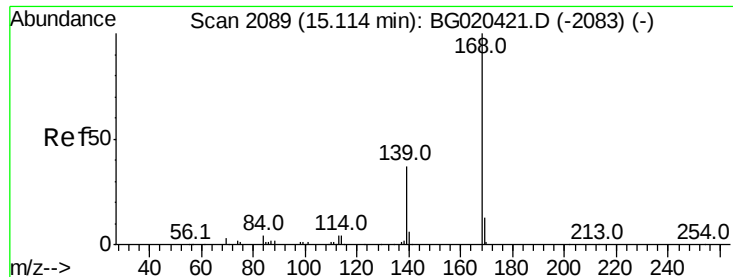
Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Tgt Ion:	109	Resp:	10839
Ion Ratio	Lower	Upper	
109	100		
139	106.4	80.5	120.7
65	113.7	93.4	140.2





#54

Dibenzenofuran

Concen: 12.92 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

ClientSampleId :

E43M4MS

Tot Ion:168 Resp: 83925

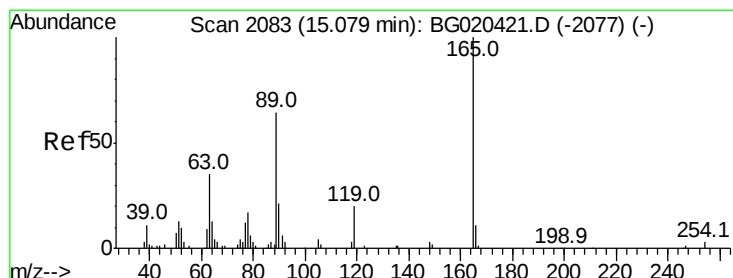
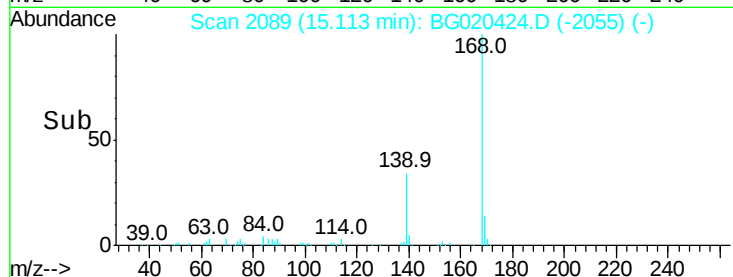
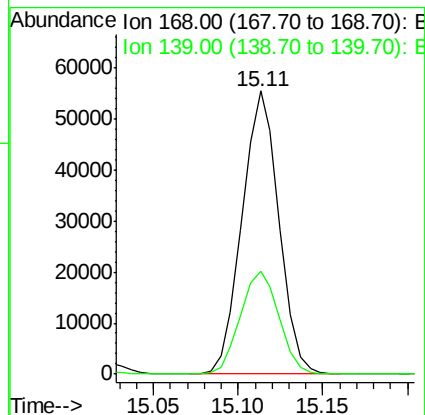
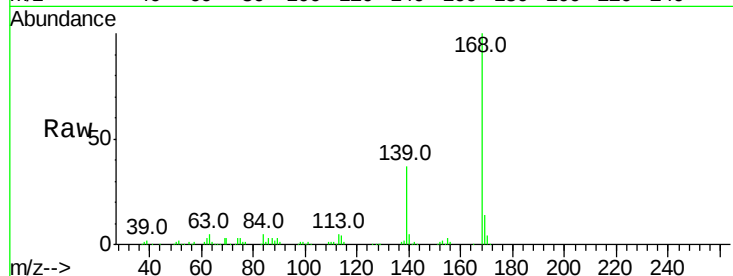
Ion Ratio Lower Upper

168 100

139 36.6 30.5 45.7

Manual Integrations
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#55

2,4-Dinitrotoluene

Concen: 19.03 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

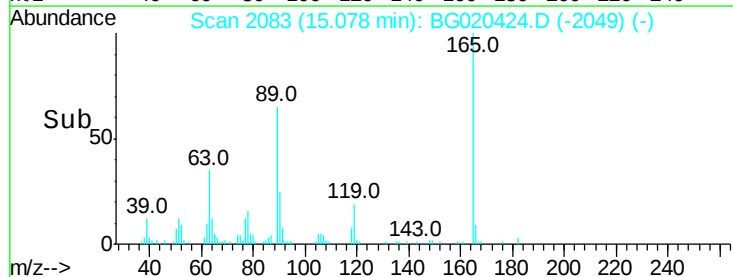
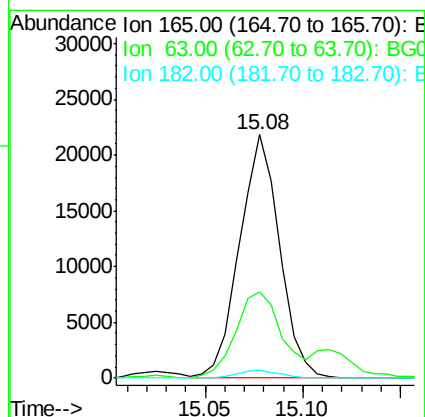
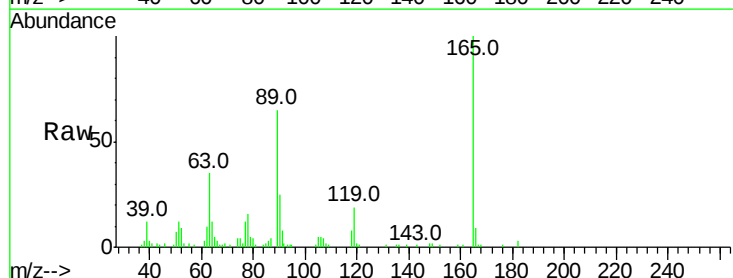
Tgt Ion:165 Resp: 30993

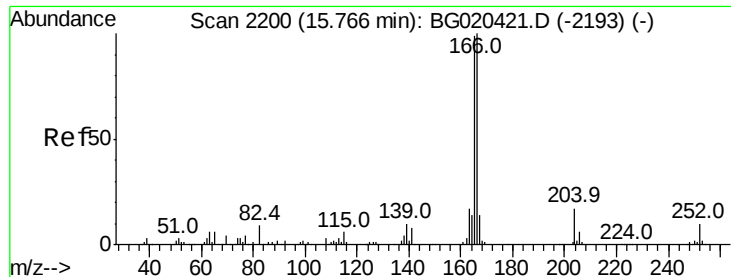
Ion Ratio Lower Upper

165 100

63 35.3 35.8 53.8#

182 3.3 2.2 3.2#





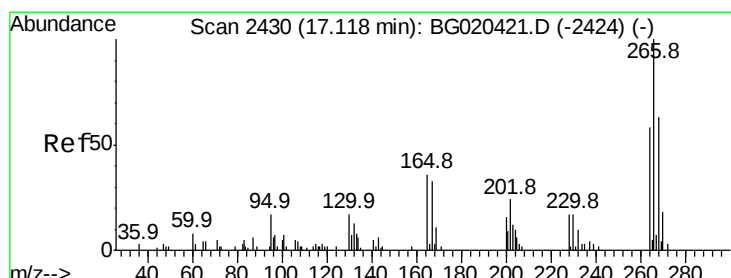
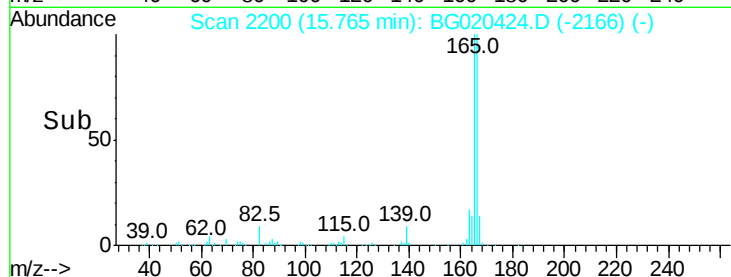
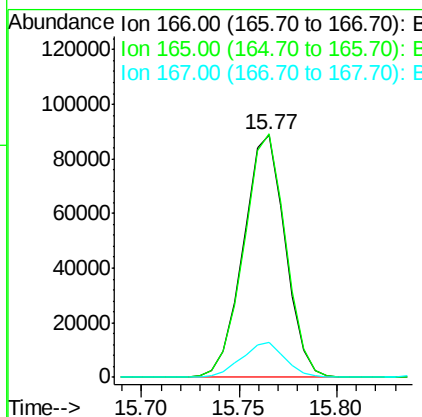
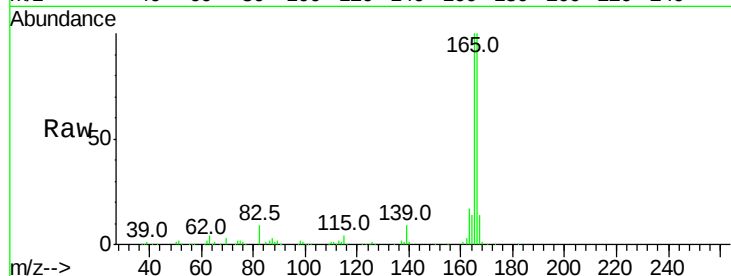
#59
Fluorene
 Concen: 25.19 ng/ul
 RT: 15.77 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG020424.D
 Acq: 23 Dec 2015 2:12

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	131413		
165	100.3	81.4	122.0	
167	14.2	11.2	16.8	

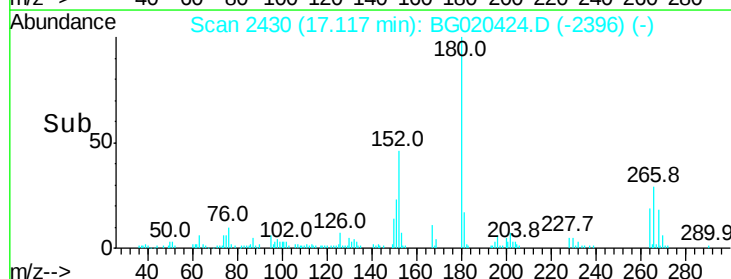
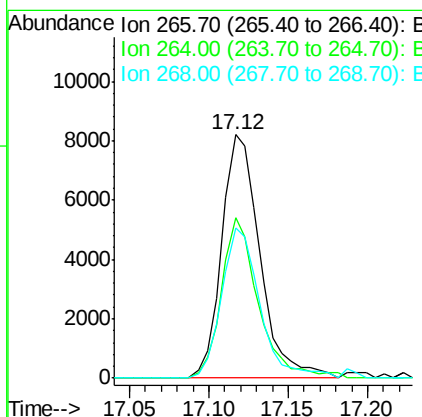
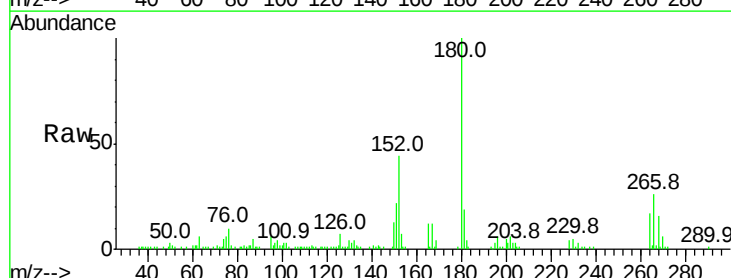
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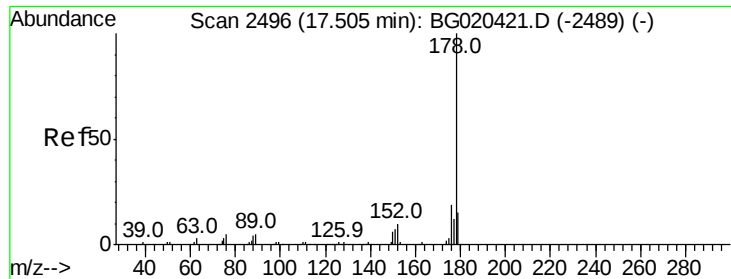
Sohil
 12/24/2015 5:33:29 PM



#69
Pentachlorophenol
 Concen: 12.09 ng/ul
 RT: 17.12 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG020424.D
 Acq: 23 Dec 2015 2:12

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	13710		
264	66.1	52.2	78.2	
268	66.4	49.3	73.9	





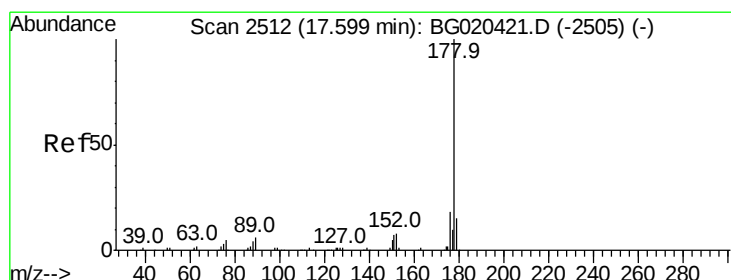
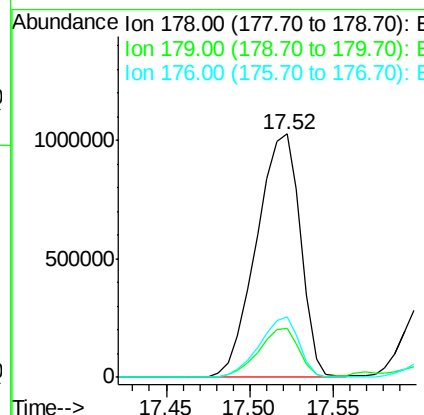
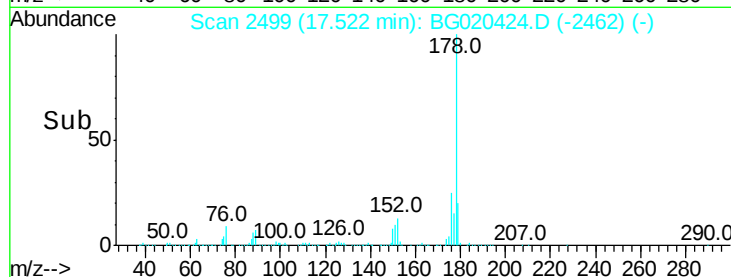
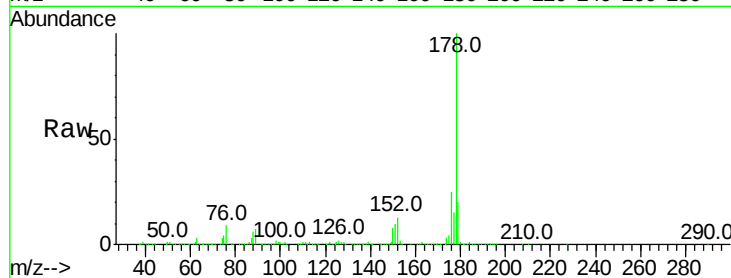
#70
Phenanthrene
Concen: 230.64 ng/ul m
RT: 17.52 min Scan# 2499
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.0	12.9	19.3#
176	24.7	15.3	22.9#

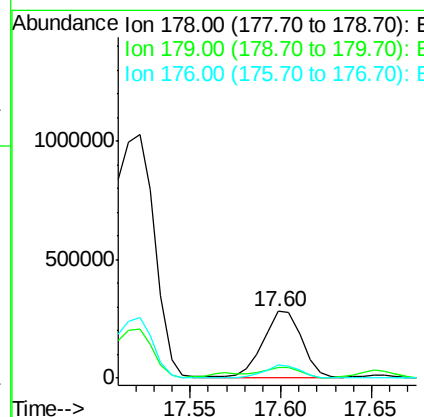
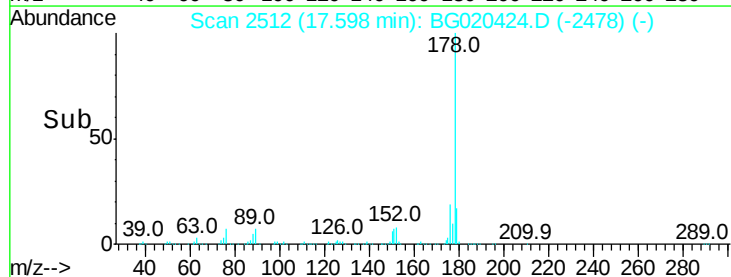
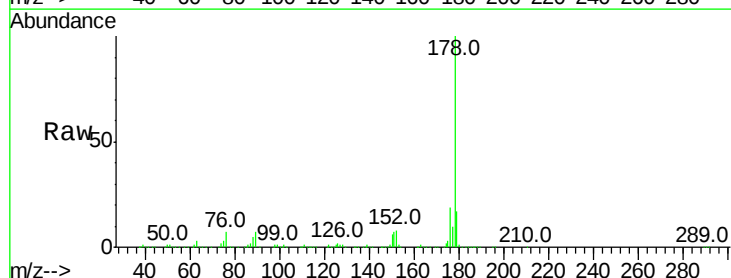
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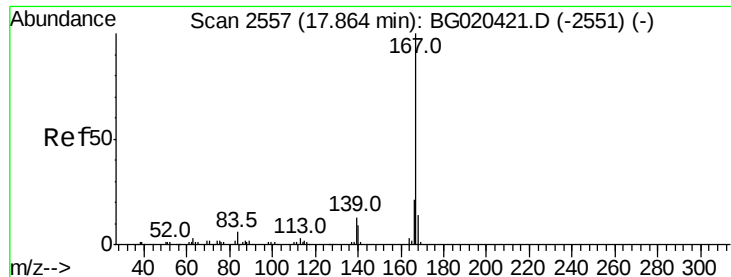
Sohil
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#72
Anthracene
Concen: 51.64 ng/ul
RT: 17.60 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.3	18.5
176	19.2	14.3	21.5





#75

Carbazole

Concen: 37.33 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

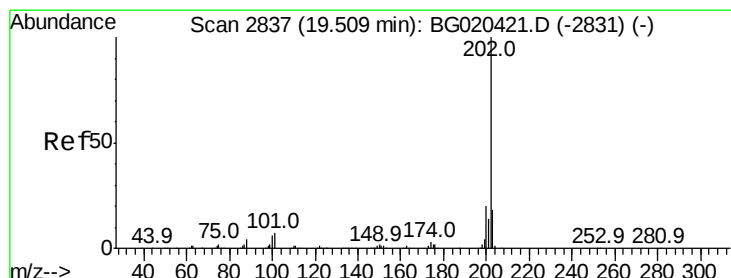
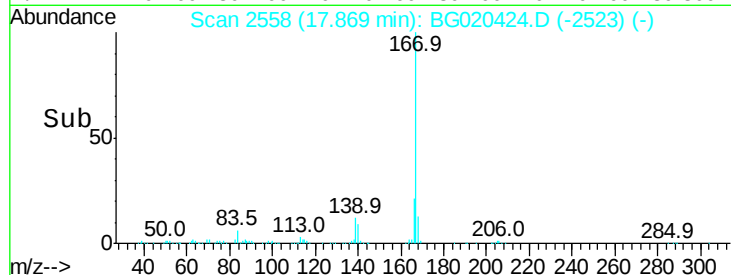
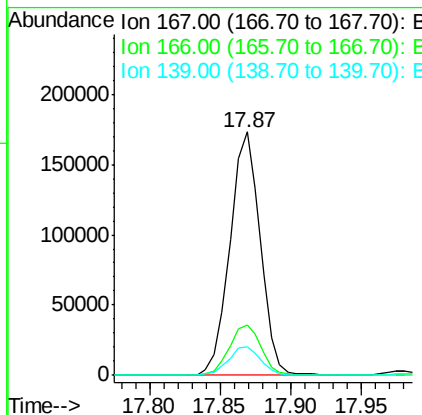
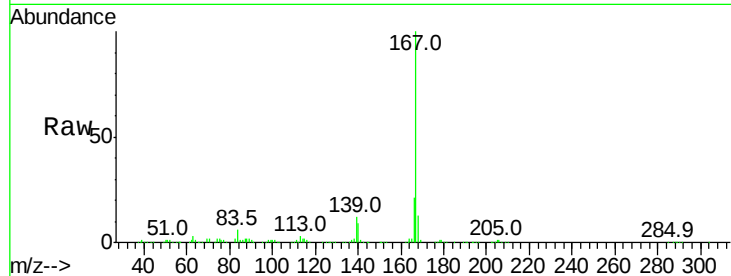
ClientSampleId :

E43M4MS

Tot Ion:	167	Resp:	259630
Ion Ratio		Lower	Upper
167	100		
166	20.7	17.0	25.6
139	11.9	10.1	15.1

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#77

Fluoranthene

Concen: 316.59 ng/ul

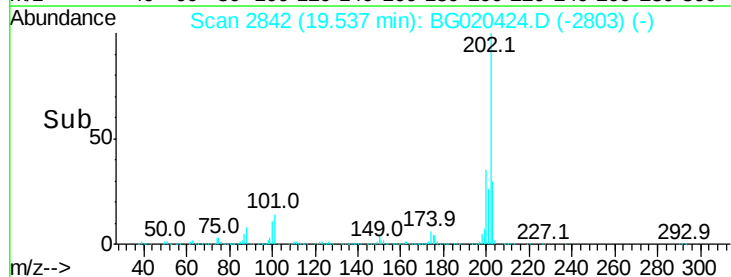
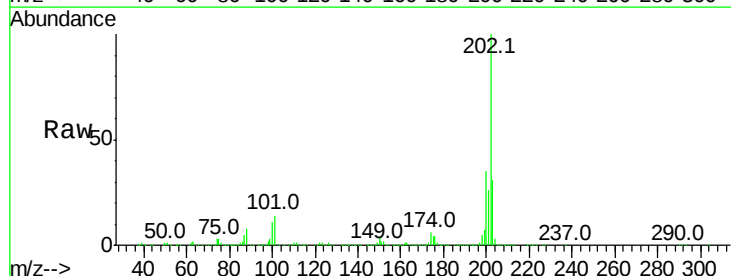
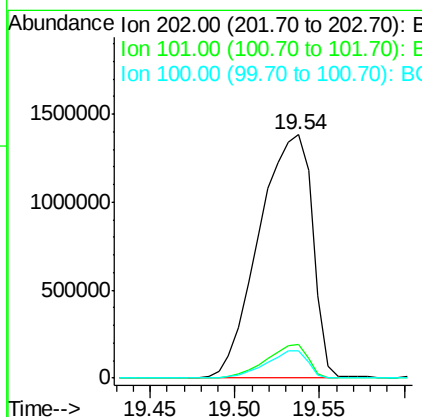
RT: 19.54 min Scan# 2842

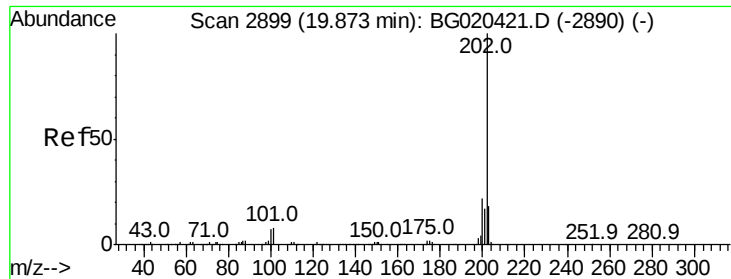
Delta R.T. 0.03 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Tgt Ion:	202	Resp:	3019333
Ion Ratio		Lower	Upper
202	100		
101	13.7	6.2	9.4#
100	11.3	5.1	7.7#





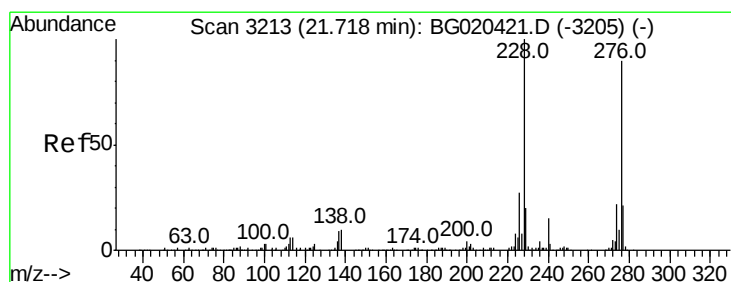
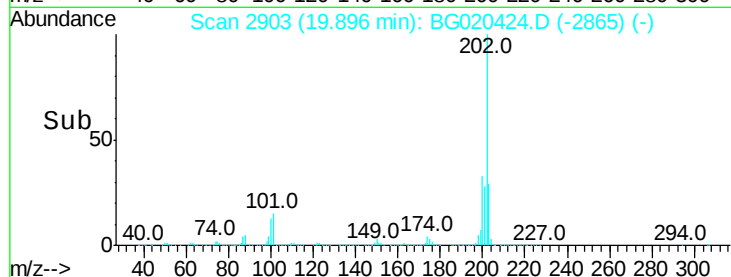
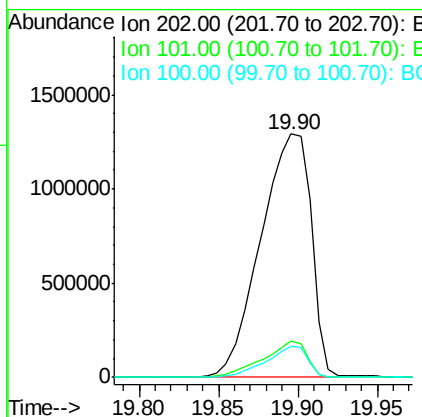
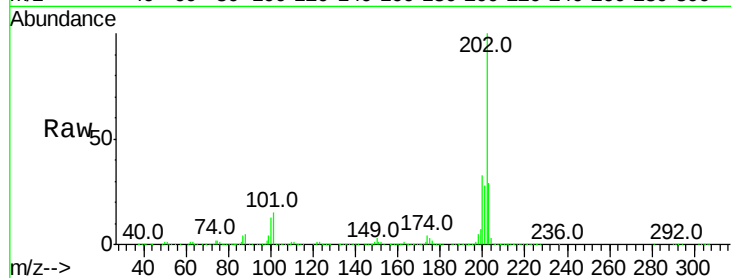
#80
Pvrene
Concen: 256.25 ng/ul
RT: 19.90 min Scan# 2903
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	7.0	10.4#
100	12.9	6.4	9.6#

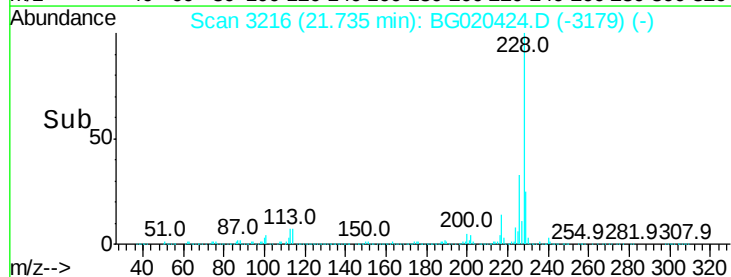
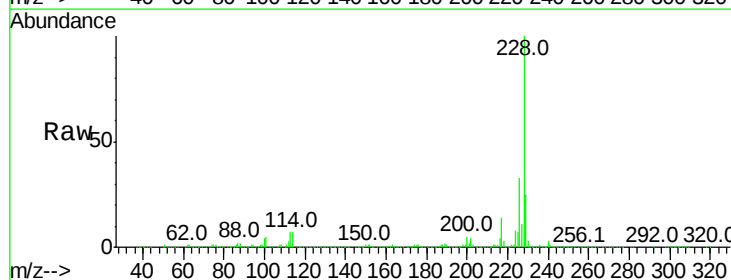
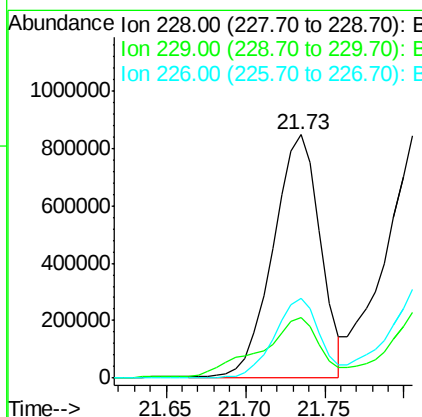
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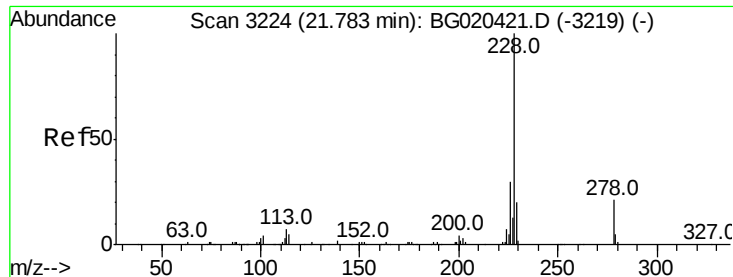
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#83
Benzo(a)anthracene
Concen: 162.84 ng/ul
RT: 21.73 min Scan# 3216
Delta R.T. 0.02 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.7	15.8	23.8#
226	33.0	21.8	32.6#





#85

Chrysene

Concen: 182.27 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. 0.02 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

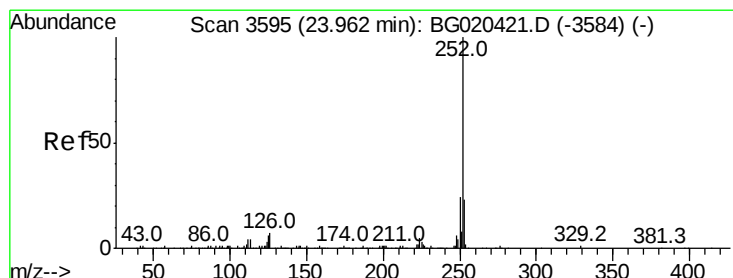
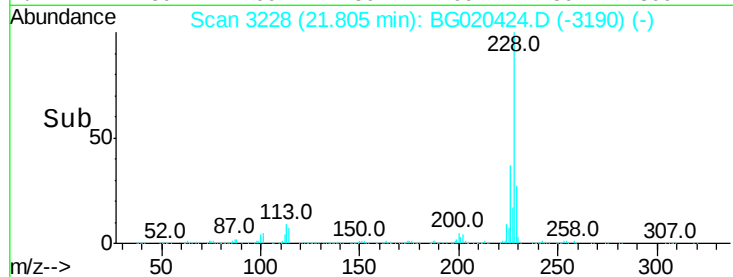
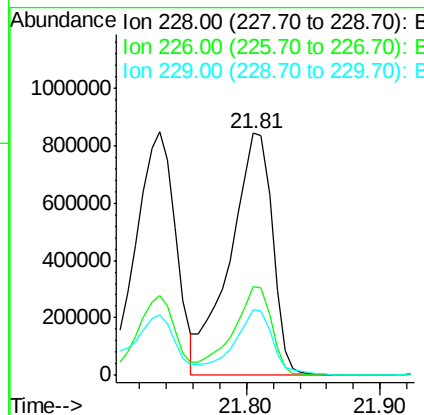
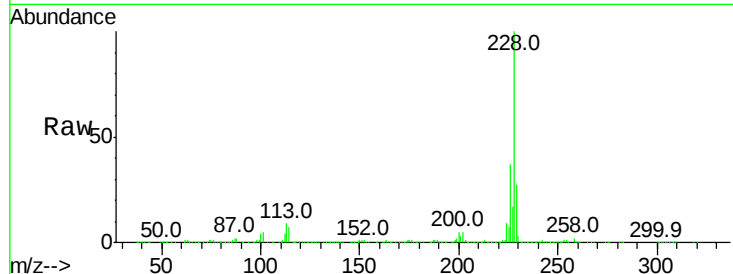
ClientSampleId :

E43M4MS

Tot Ion:	228	Resp:	1843175
Ion Ratio	Lower	Upper	
228	100		
226	36.6	23.9	35.9#
229	27.2	15.6	23.4#

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#88

Benzo(b)fluoranthene

Concen: 237.00 ng/ul

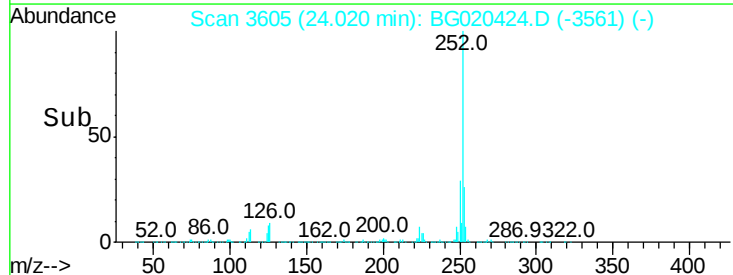
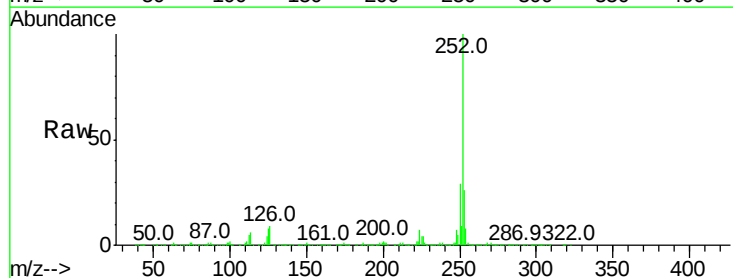
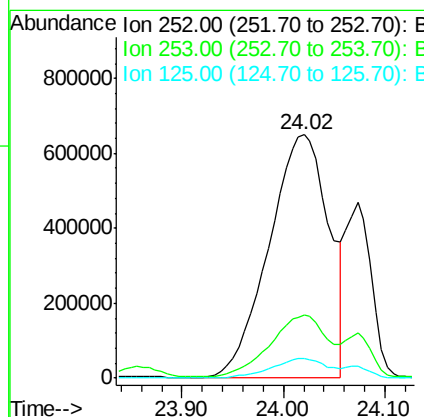
RT: 24.02 min Scan# 3605

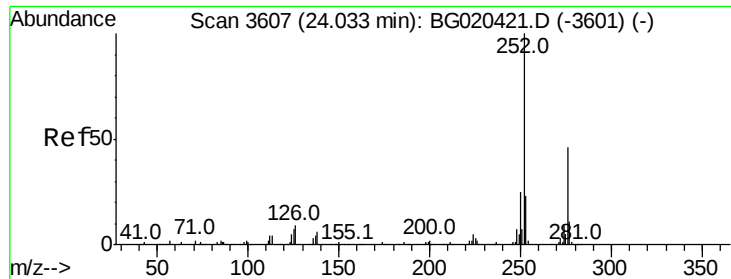
Delta R.T. 0.06 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Tgt Ion:	252	Resp:	2662117
Ion Ratio	Lower	Upper	
252	100		
253	25.7	16.7	25.1#
125	8.1	6.2	9.2





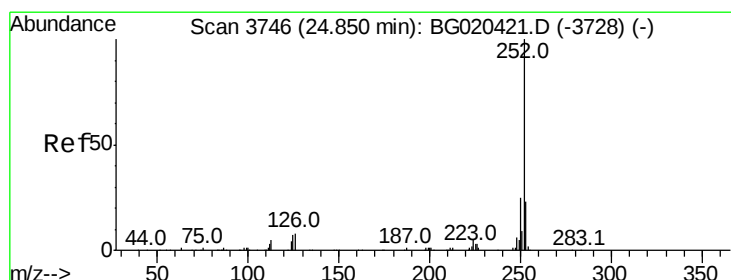
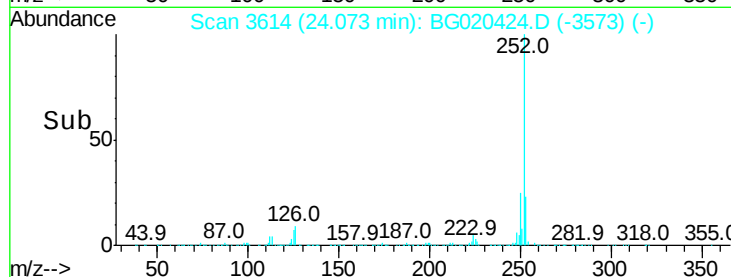
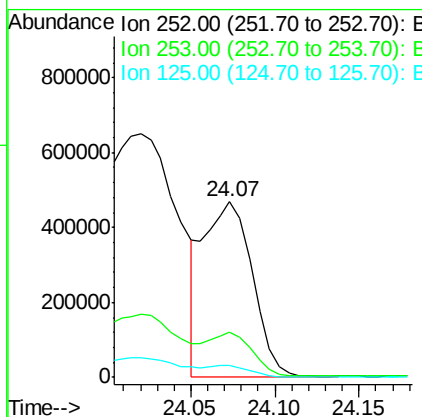
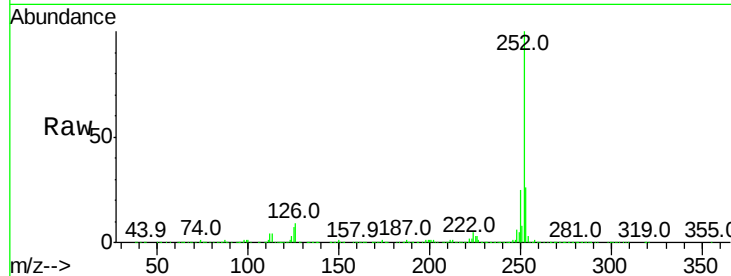
#89
Benzo(k)fluoranthene
Concen: 88.51 ng/ul m
RT: 24.07 min Scan# 3614
Delta R.T. 0.04 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Instrument :
BNA_G
ClientSampleId :
E43M4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	6.7	5.8	8.6

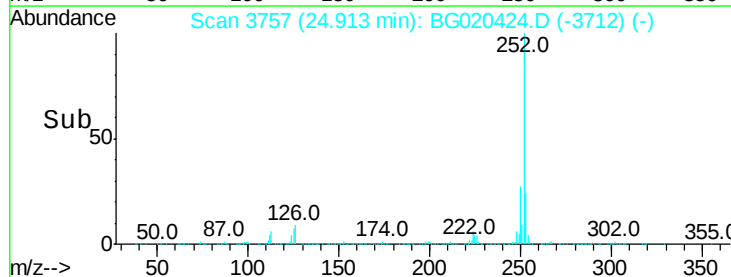
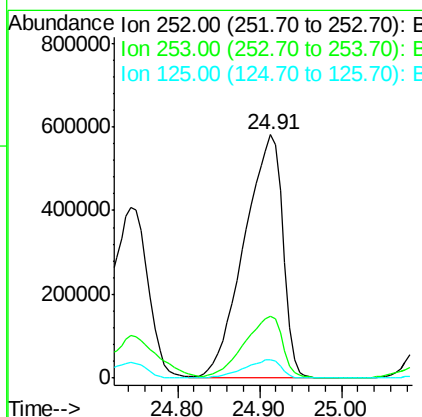
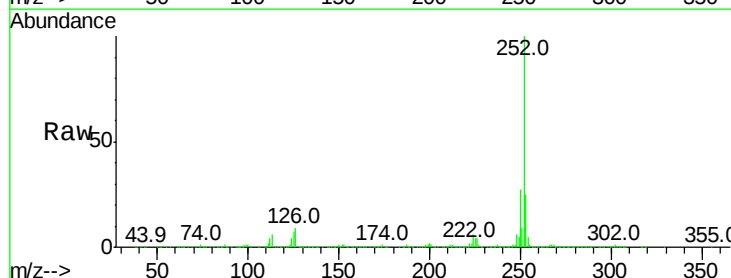
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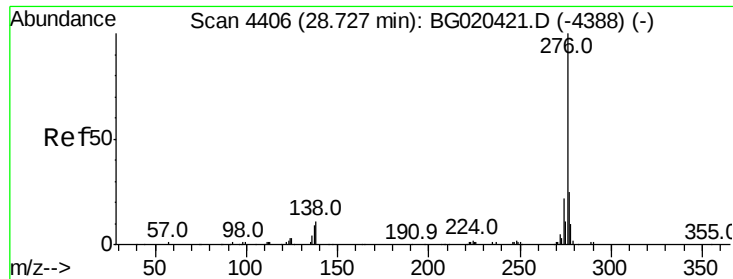
Sohil
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#91
Benzo(a)pyrene
Concen: 178.11 ng/ul
RT: 24.91 min Scan# 3757
Delta R.T. 0.06 min
Lab File: BG020424.D
Acq: 23 Dec 2015 2:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.4
125	7.5	6.2	9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 118.83 ng/ul

RT: 28.83 min Scan# 4424

Delta R.T. 0.10 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Instrument :

BNA_G

ClientSampleId :

E43M4MS

Tot Ion:276 Resp: 1506835

Ion Ratio Lower Upper

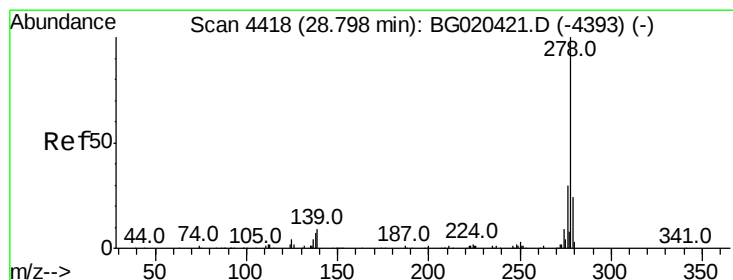
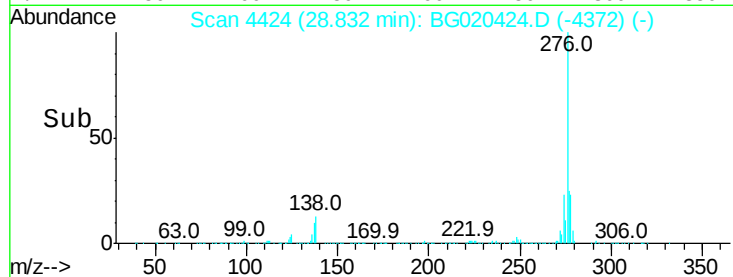
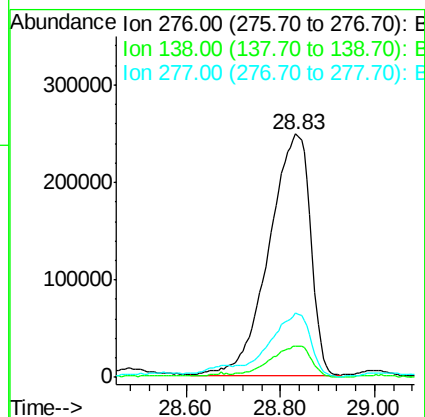
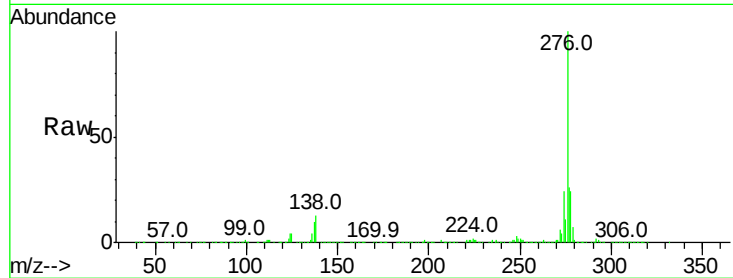
276 100

138 12.9 11.4 17.0

277 26.2 17.4 26.0#

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#93

Dibenzo(a,h)anthracene

Concen: 33.76 ng/ul

RT: 28.86 min Scan# 4429

Delta R.T. 0.06 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

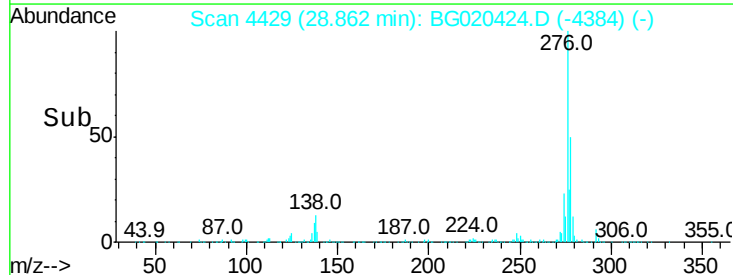
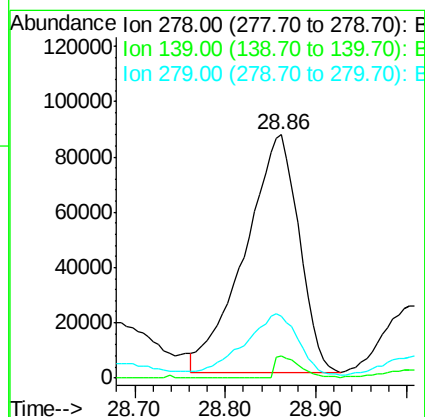
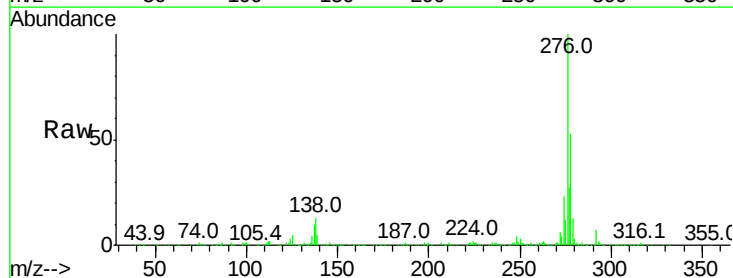
Tgt Ion:278 Resp: 355349

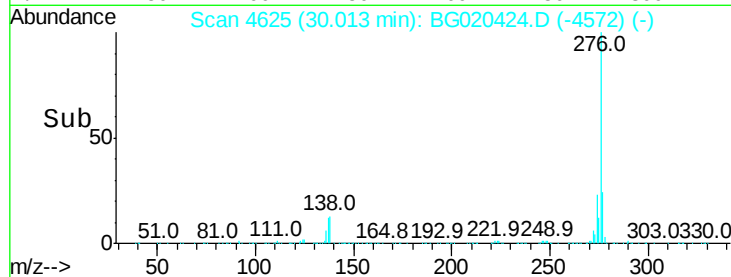
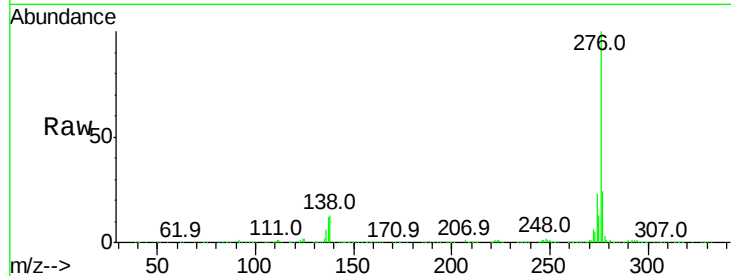
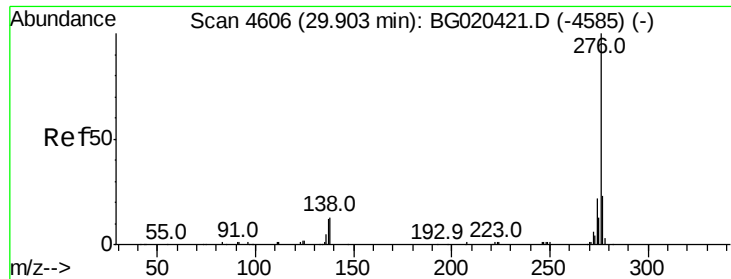
Ion Ratio Lower Upper

278 100

139 9.3 9.4 14.2#

279 25.2 19.4 29.0





#94

Benzo(a,h,i)perylene

Concen: 132.63 ng/ul

RT: 30.01 min Scan# 4625

Delta R.T. 0.11 min

Lab File: BG020424.D

Acq: 23 Dec 2015 2:12

Tot Ion:	276	Resp:	1378661
Ion Ratio	Lower	Upper	
276	100		
138	13.3	10.8	16.2
277	24.2	19.9	29.9

Instrument :

BNA_G

ClientSampleId :

E43M4MS

Manual Integrations
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