

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020425.D
 Acq On : 23 Dec 2015 2:51
 Operator : UM/SJ
 Sample : G4866-14MSD
 Misc : MED LEVEL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MSD

Manual Integrations
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 12/24/2015 5:33:26 PM

Quant Time: Dec 23 08:01:31 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	21447	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	95109	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	66973	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	154797	20.00	ng/ul	0.00
78) Chrysene-d12	21.76	240	194156	20.00	ng/ul	0.02
86) Perylene-d12	25.04	264	195765	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1158	2.98	ng/uL	0.00
5) Phenol-d5	7.24	99	33610	17.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	20225	17.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26940	19.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	24869	15.38	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	14351	19.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17358	21.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	33048	19.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	19000	10.12	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	112539	20.77	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	131430	20.85	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13789	14.19	ng/ul	0.00
58) Fluorene-d10	15.70	176	99577	20.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	16714	18.21	ng/ul	0.00
71) Anthracene-d10	17.57	188	151112	21.19	ng/ul	0.00
79) Pyrene-d10	19.85	212	184033	20.34	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.82	264	208975	21.40	ng/ul	0.04

Target Compounds

						Ovalue
6) Phenol	7.27	94	32732	16.16	ng/ul	97
10) 2-Chlorophenol	7.65	128	25792	17.91	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.89	70	23512	17.54	ng/ul	95
28) Naphthalene	10.95	128	44461	8.95	ng/ul	98
33) 4-Chloro-3-methylphenol	12.17	107	33098	16.23	ng/ul	97
34) 2-Methylnaphthalene	12.55	142	11822	3.12	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	6417	1.27	ng/ul#	94
45) Dimethylphthalate	14.16	163	26314	4.76	ng/ul	100
50) Acenaphthene	14.78	153	221152	49.09	ng/ul	98
53) 4-Nitrophenol	14.93	109	11183	11.97	ng/ul	94
54) Dibenzofuran	15.12	168	86444	12.90	ng/ul	98
55) 2,4-Dinitrotoluene	15.08	165	32622	19.42	ng/ul	90
59) Fluorene	15.76	166	135608	25.20	ng/ul	98
69) Pentachlorophenol	17.12	266	14590	12.40	ng/ul	97
70) Phenanthrene	17.52	178	1917710m	226.49	ng/ul	
72) Anthracene	17.60	178	441839	51.45	ng/ul	98
75) Carbazole	17.87	167	269917	37.41	ng/ul	98
77) Fluoranthene	19.54	202	3086567	311.91	ng/ul#	82
80) Pyrene	19.90	202	2935877	249.84	ng/ul#	82
83) Benzo(a)anthracene	21.74	228	1836707	162.13	ng/ul#	89
85) Chrysene	21.81	228	1908625	178.88	ng/ul#	85
88) Benzo(b)fluoranthene	24.02	252	2764091	234.59	ng/ul#	92
89) Benzo(k)fluoranthene	24.08	252	865399	76.54	ng/ul	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.92	252	1974475	176.78	ng/ul#	92
93) Dibenzo(a,h)anthracene	28.87	278	367578	33.29	ng/ul	96
94) Benzo(q,h,i)perylene	30.03	276	1413546	129.64	ng/ul	98

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

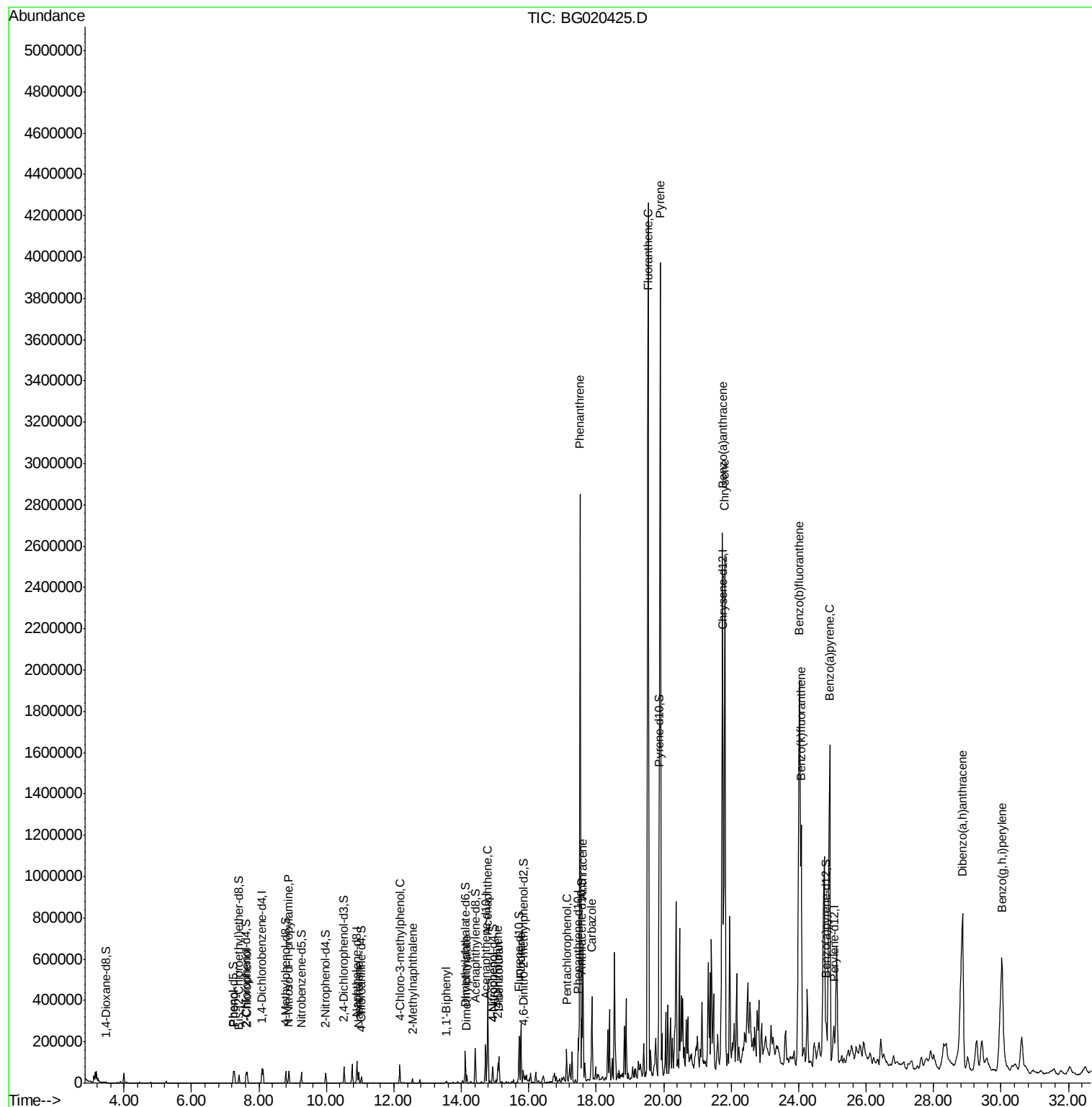
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
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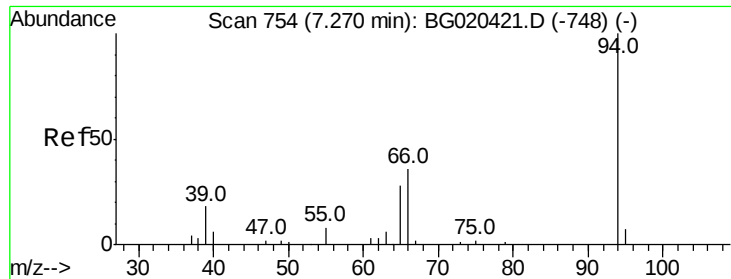
Instrument :
BNA_G
ClientSampleId :
E43M4MSD

Manual Integrations
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#6

Phenol

Concen: 16.16 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Instrument :

BNA_G

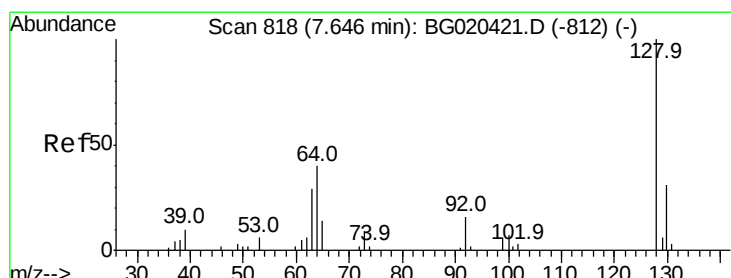
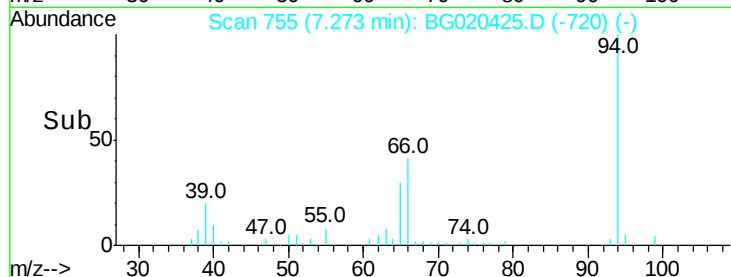
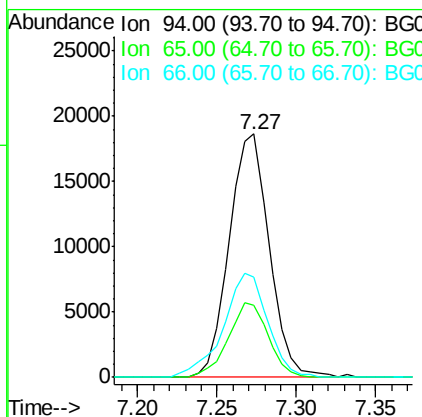
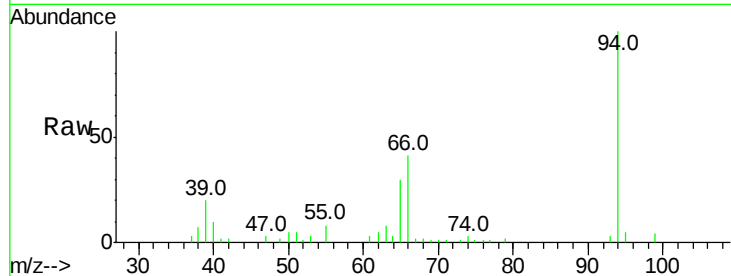
ClientSampleId :

E43M4MSD

Tot Ion:	94	Resp:	32732
Ion Ratio	Lower	Upper	
94	100		
65	29.8	26.3	39.5
66	41.4	33.3	49.9

Manual Integrations
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#10

2-Chlorophenol

Concen: 17.91 ng/ul

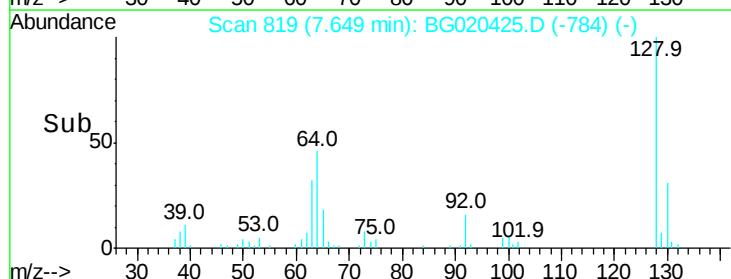
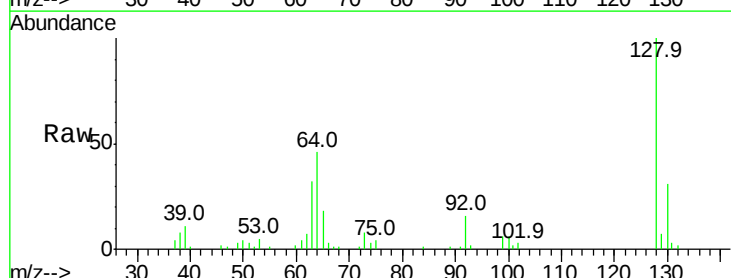
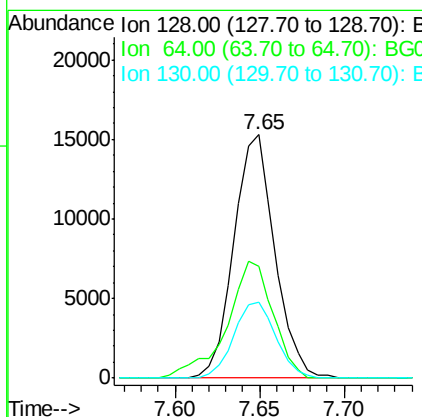
RT: 7.65 min Scan# 819

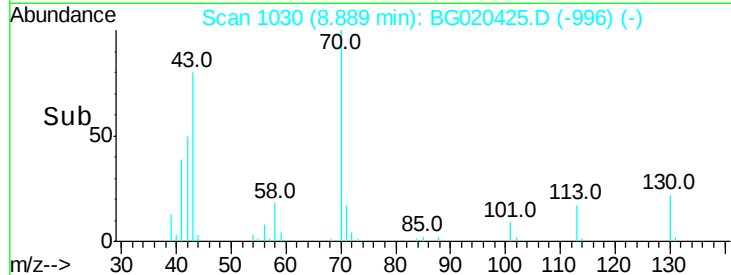
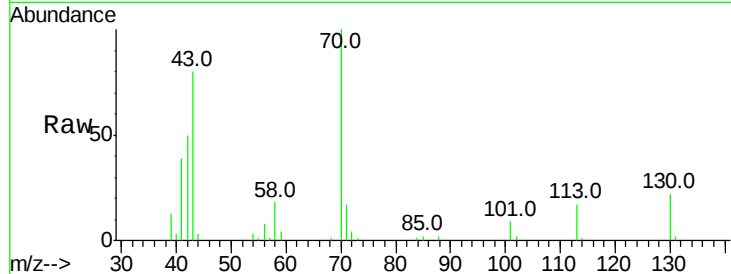
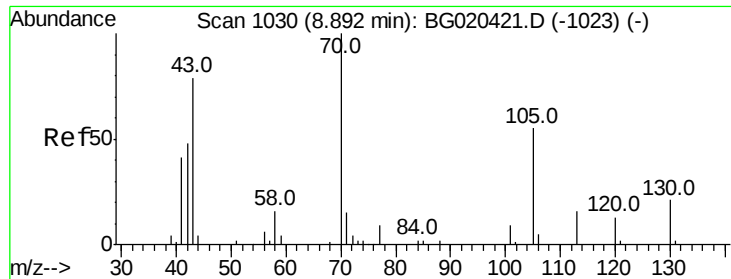
Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Tgt Ion:	128	Resp:	25792
Ion Ratio	Lower	Upper	
128	100		
64	45.8	39.4	59.0
130	31.0	24.6	36.8





#15

N-Nitroso-di-n-propylamine

Concen: 17.54 ng/ul

RT: 8.89 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Tot Ion:	70	Resp:	23512
Ion Ratio	Lower	Upper	
70	100		
42	50.5	44.3	66.5
101	9.5	7.6	11.4
130	22.3	17.0	25.4

Instrument :

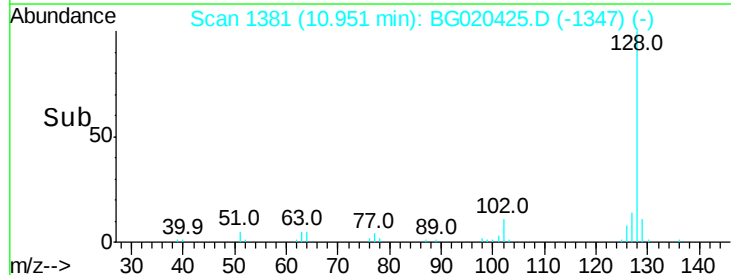
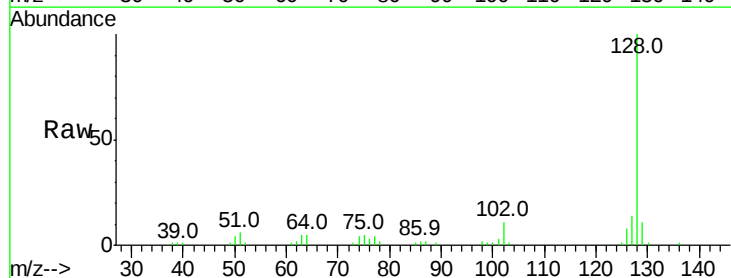
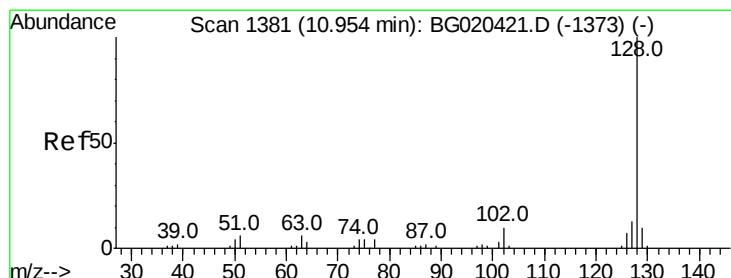
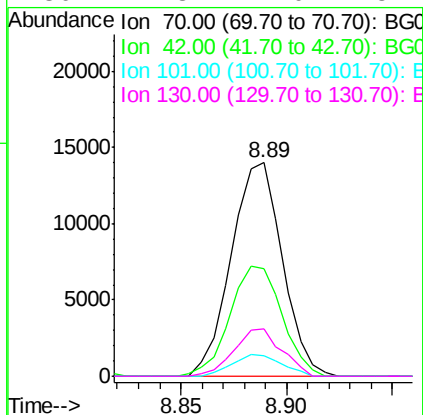
BNA_G

ClientSampleId :

E43M4MSD

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#28

Naphthalene

Concen: 8.95 ng/ul

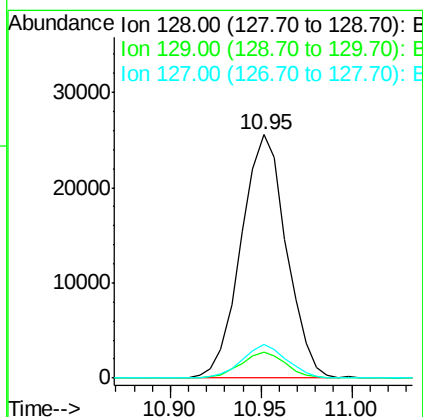
RT: 10.95 min Scan# 1381

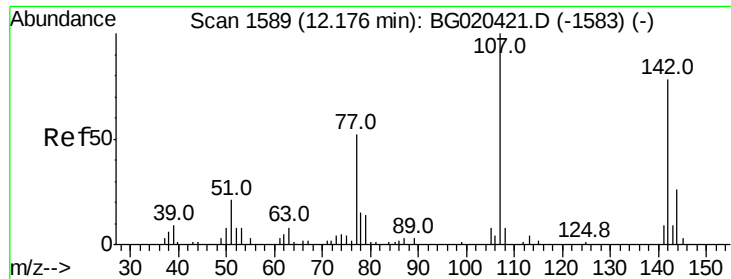
Delta R.T. -0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Tgt Ion:	128	Resp:	44461
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.6	12.8
127	13.7	10.1	15.1





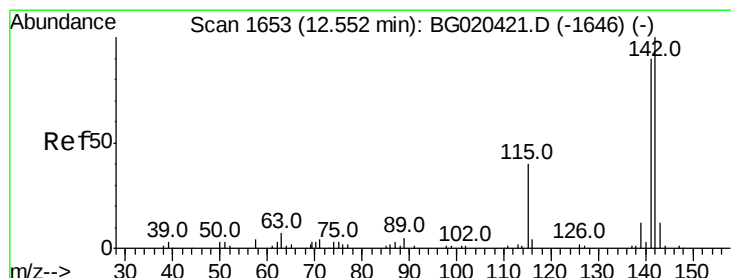
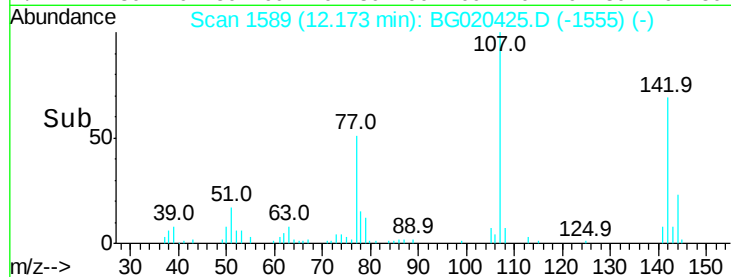
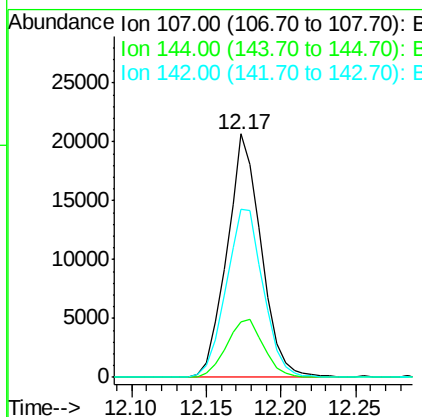
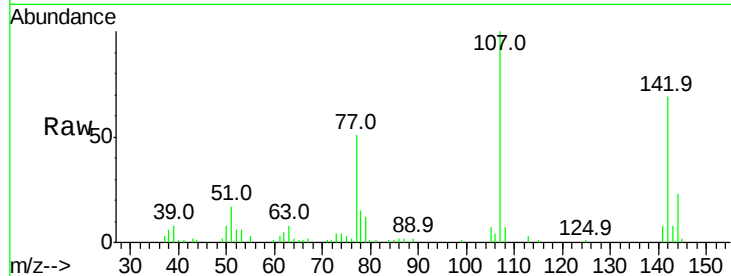
#33
 4-Chloro-3-methylphenol
 Concen: 16.23 ng/ul
 RT: 12.17 min Scan# 1589
 Delta R.T. -0.00 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	33098		
144	22.6	18.7	28.1	
142	68.8	52.8	79.2	

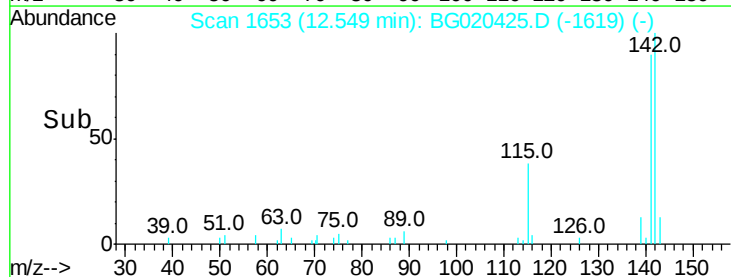
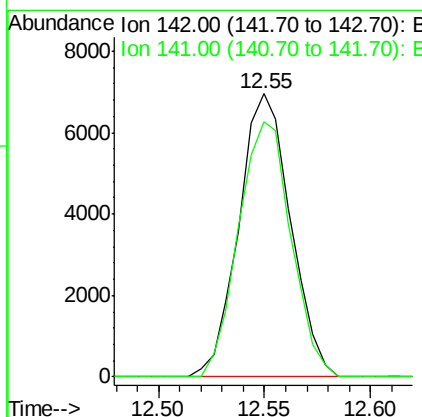
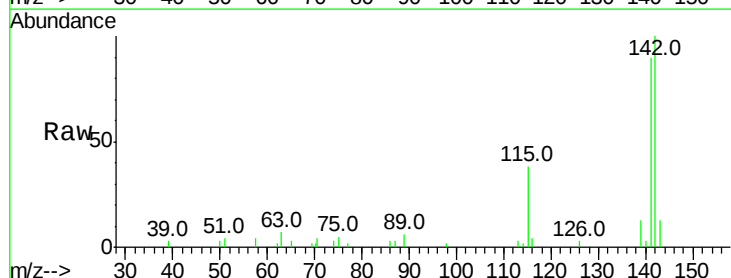
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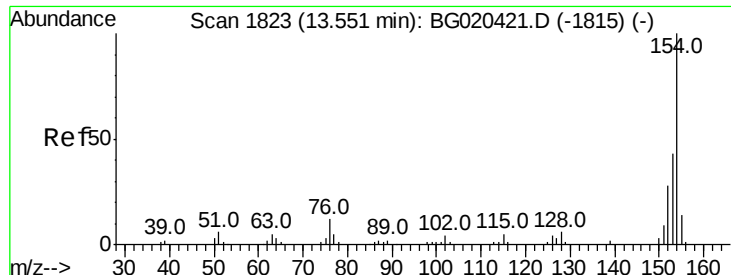
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#34
 2-Methylnaphthalene
 Concen: 3.12 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	11822		
141	90.4	74.9	112.3	





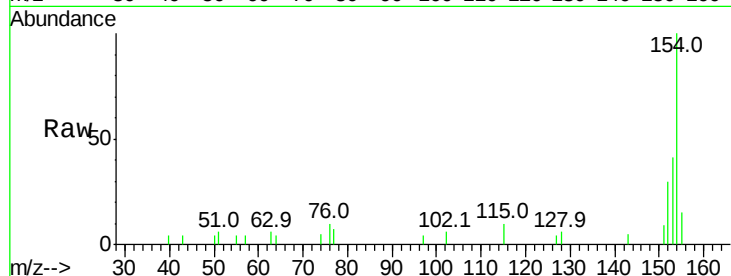
#41
1,1'-Biphenyl
Concen: 1.27 ng/ul
RT: 13.55 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Instrument :
BNA_G
ClientSampleId :
E43M4MSD

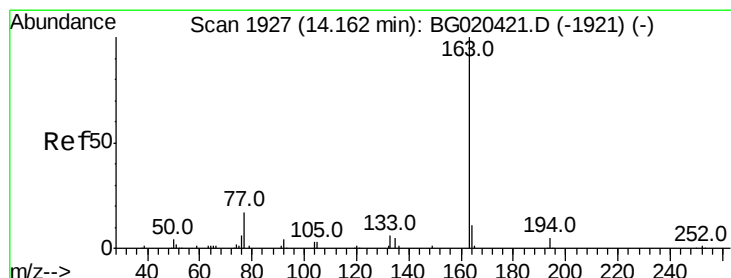
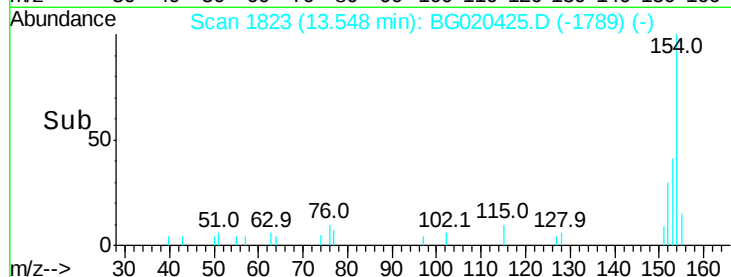
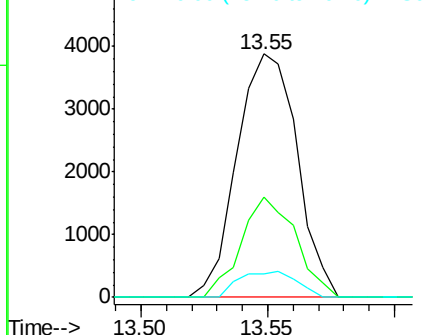
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.2	35.5	53.3
76	9.5	10.4	15.6

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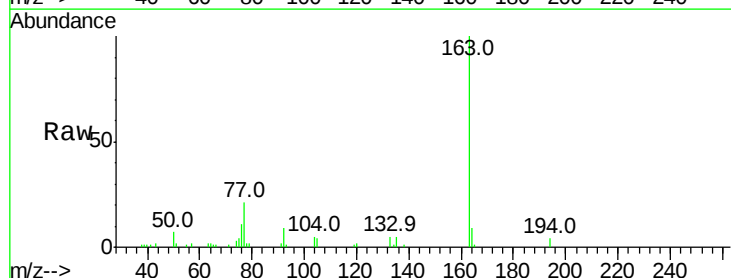


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

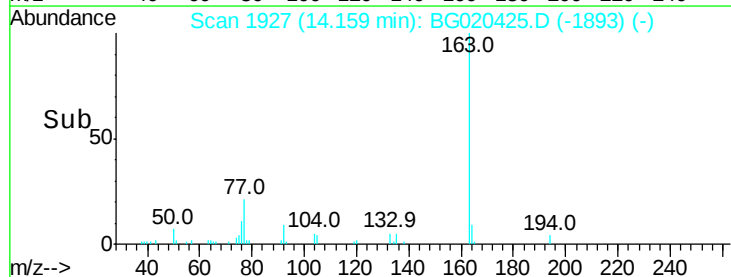
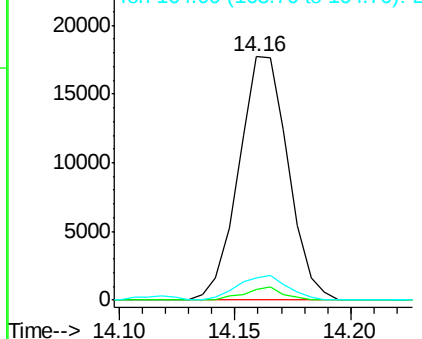


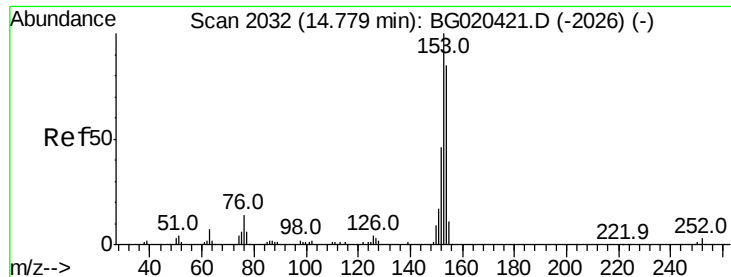
#45
Dimethylphthalate
Concen: 4.76 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. -0.00 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.3	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: 49.09 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Instrument :

BNA_G

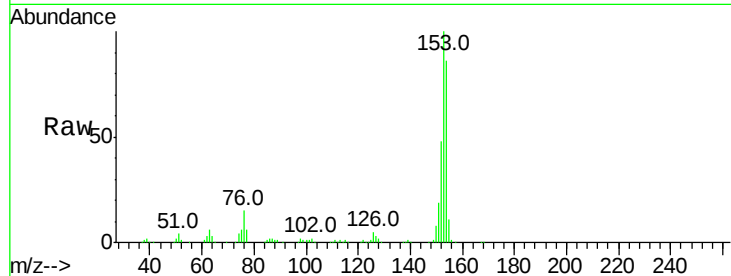
ClientSampleId :

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Tot Ion:	153	Resp:	221152
Ion Ratio	Lower	Upper	
153	100		
152	48.4	37.6	56.4
154	86.4	67.9	101.9

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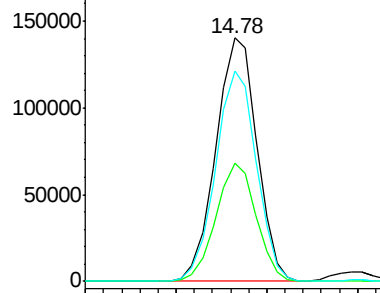
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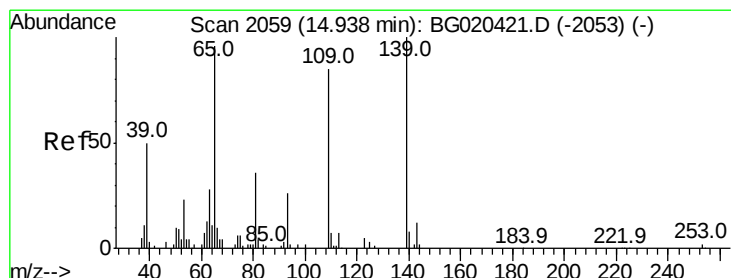
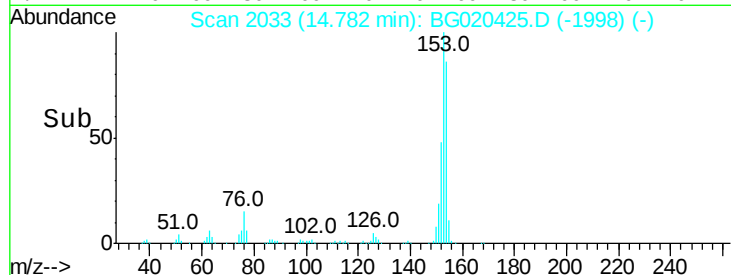
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.70 14.75 14.80 14.85



#53

4-Nitrophenol

Concen: 11.97 ng/ul

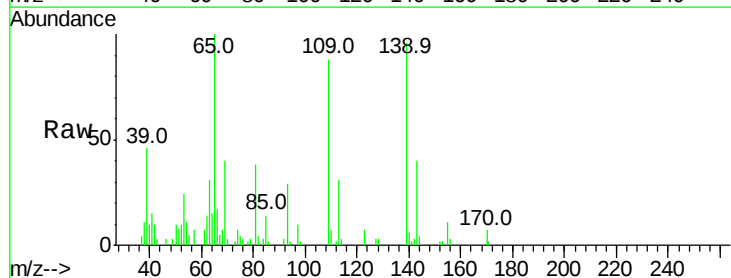
RT: 14.93 min Scan# 2059

Delta R.T. -0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

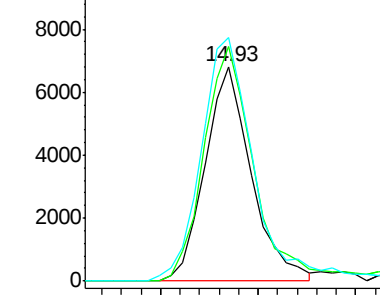
Tgt Ion:	109	Resp:	11183
Ion Ratio	Lower	Upper	
109	100		
139	109.4	80.5	120.7
65	113.5	93.4	140.2



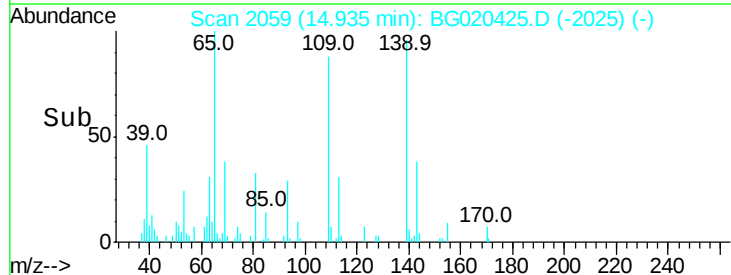
Abundance Ion 109.00 (108.70 to 109.70): E

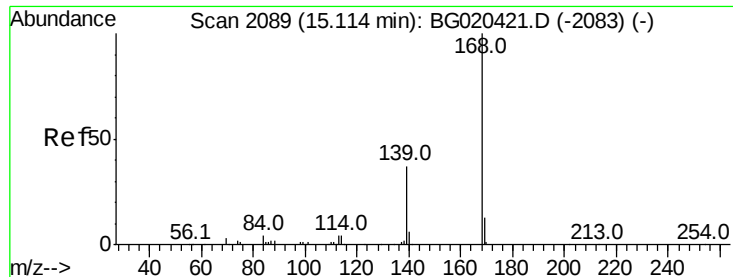
Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG



Time--> 14.90 14.95 15.00





#54

Dibenzenofuran

Concen: 12.90 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Instrument :

BNA_G

ClientSampleId :

E43M4MSD

Tot Ion:168 Resp: 86444

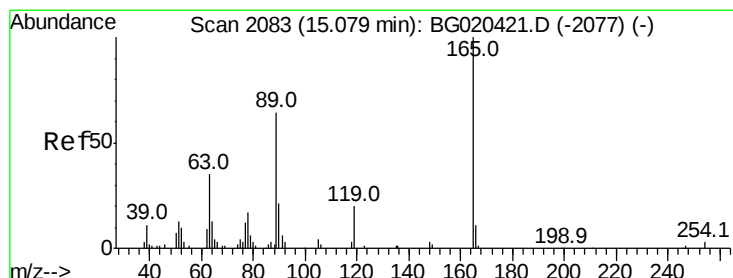
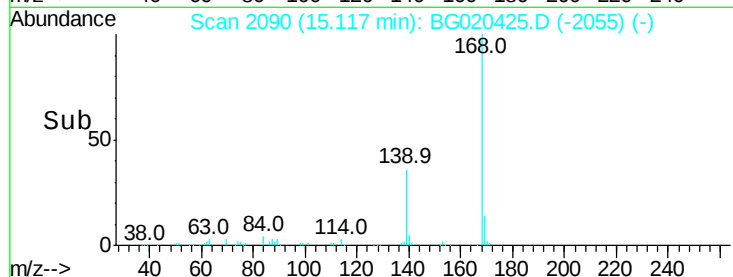
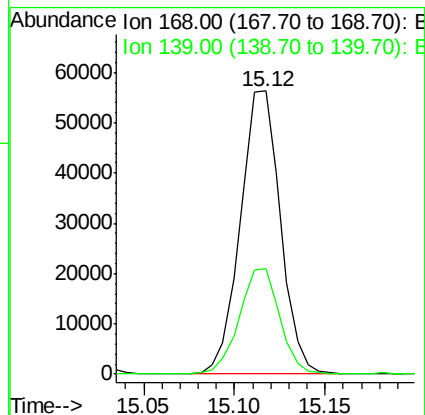
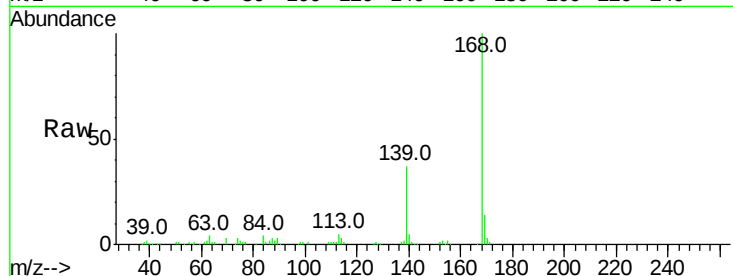
Ion Ratio Lower Upper

168 100

139 37.2 30.5 45.7

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#55

2,4-Dinitrotoluene

Concen: 19.42 ng/ul

RT: 15.08 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

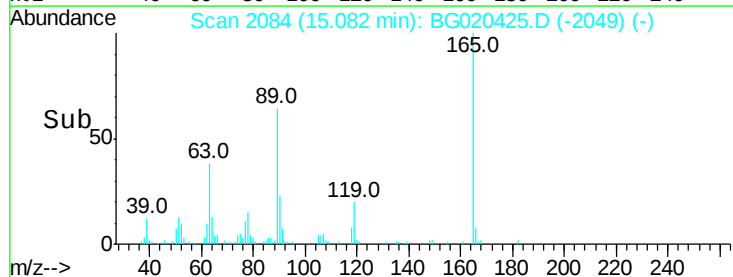
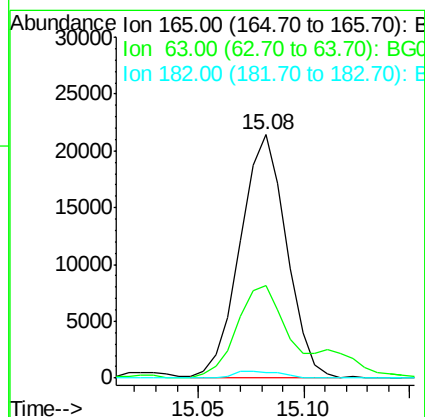
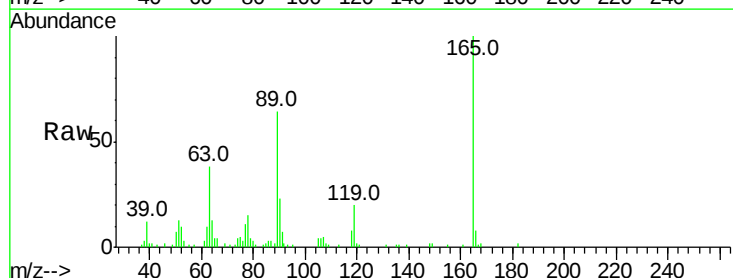
Tgt Ion:165 Resp: 32622

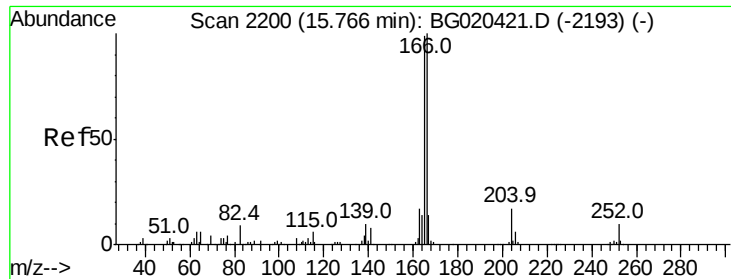
Ion Ratio Lower Upper

165 100

63 38.3 35.8 53.8

182 2.3 2.2 3.2





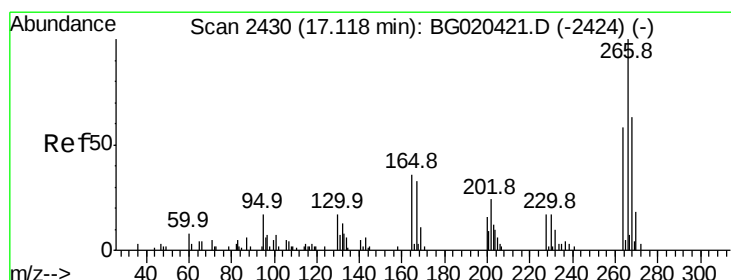
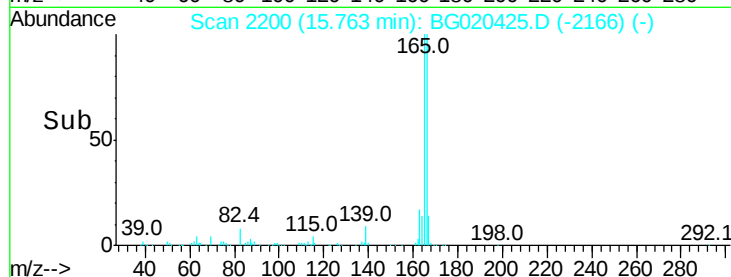
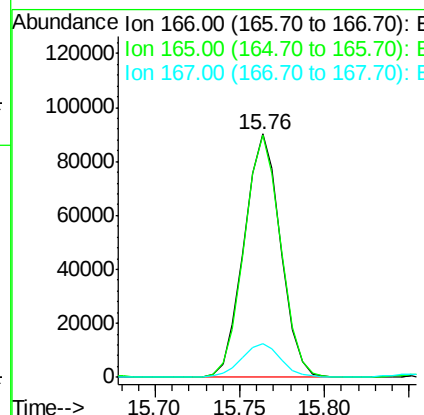
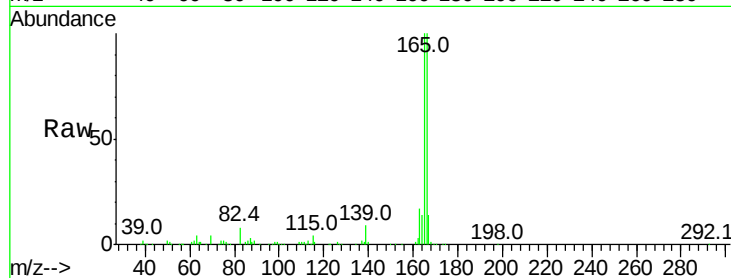
#59
 Fluorene
 Concen: 25.20 ng/ul
 RT: 15.76 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100	135608		
165	99.5	81.4	122.0	
167	13.6	11.2	16.8	

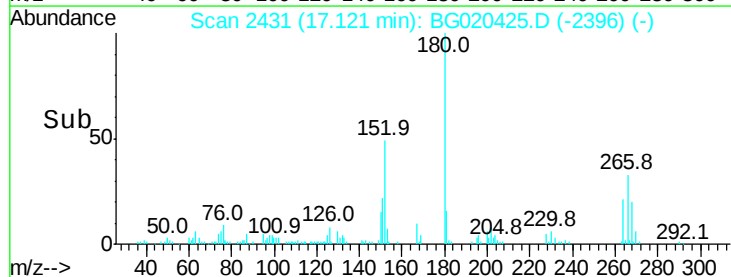
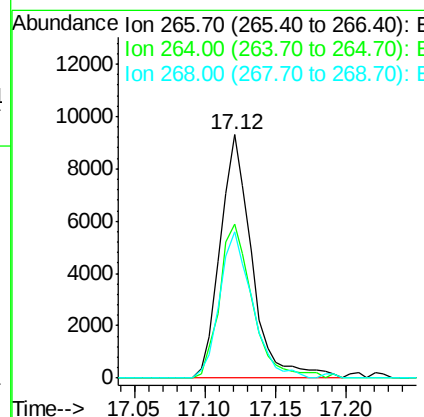
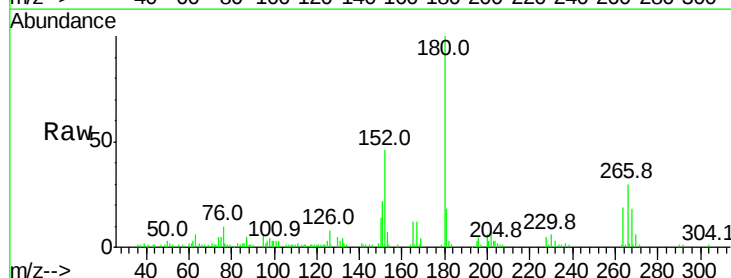
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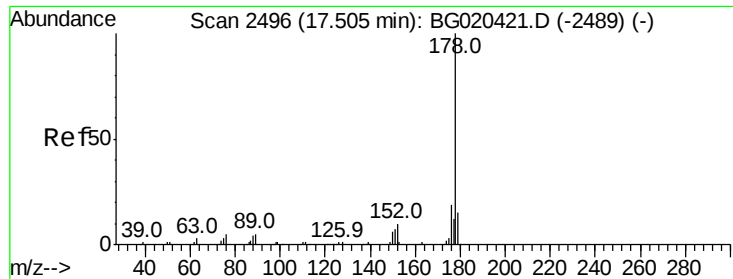
Sohil
 12/24/2015 5:33:26 PM



#69
 Pentachlorophenol
 Concen: 12.40 ng/ul
 RT: 17.12 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	14590		
264	63.5	52.2	78.2	
268	64.3	49.3	73.9	





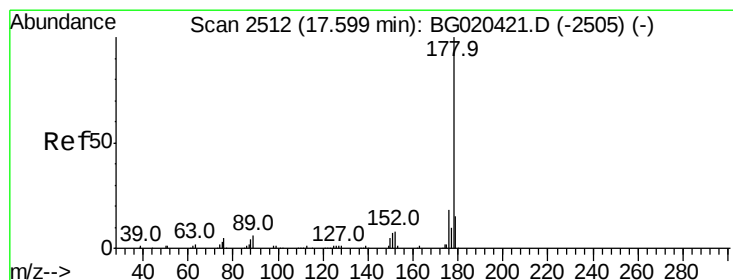
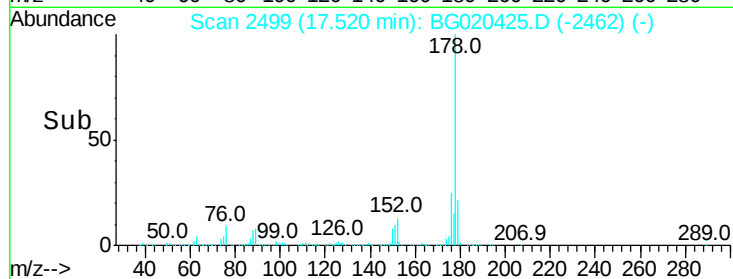
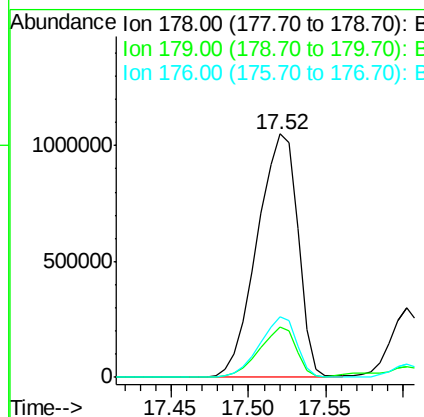
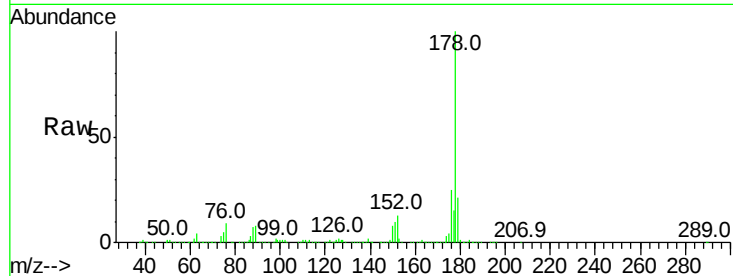
#70
Phenanthrene
Concen: 226.49 ng/ul m
RT: 17.52 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Instrument :
BNA_G
ClientSampleId :
E43M4MSD

Tot Ion	Ratio	Lower	Upper
178	100		
179	20.7	12.9	19.3#
176	25.0	15.3	22.9#

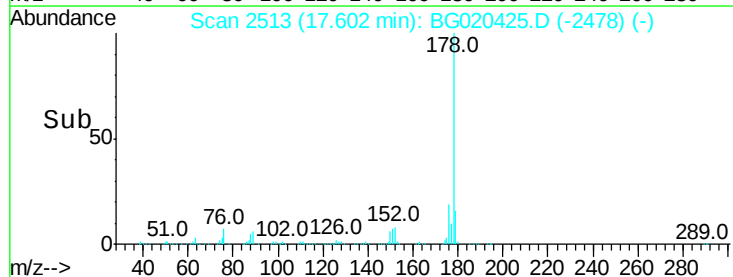
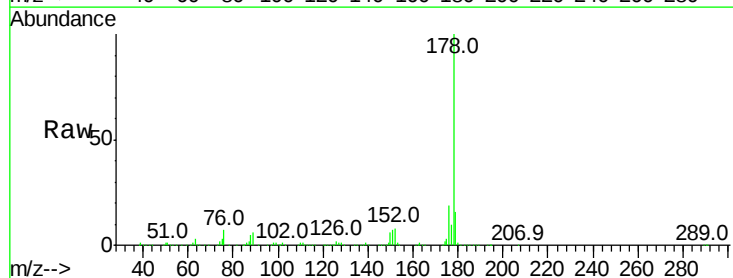
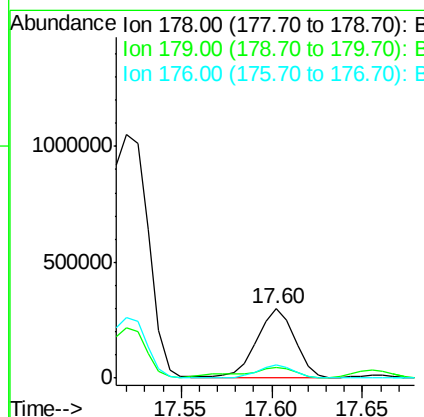
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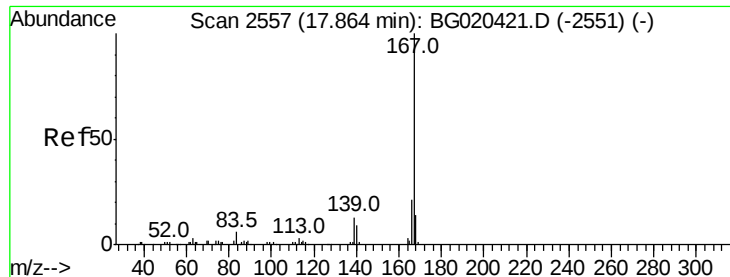
Sohil
12/24/2015 5:33:26 PM



#72
Anthracene
Concen: 51.45 ng/ul
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.3	18.5
176	18.9	14.3	21.5





#75

Carbazole

Concen: 37.41 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020425.D

Acq: 23 Dec 2015 2:51

Instrument :

BNA_G

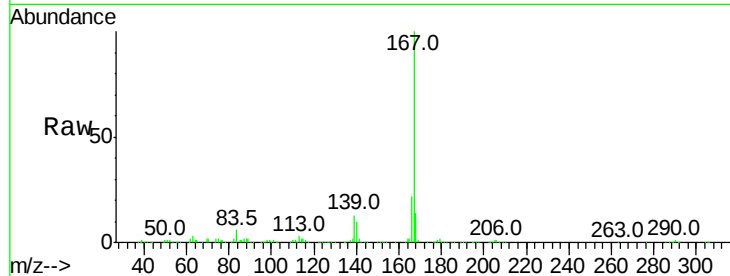
ClientSampleId :

E43M4MSD

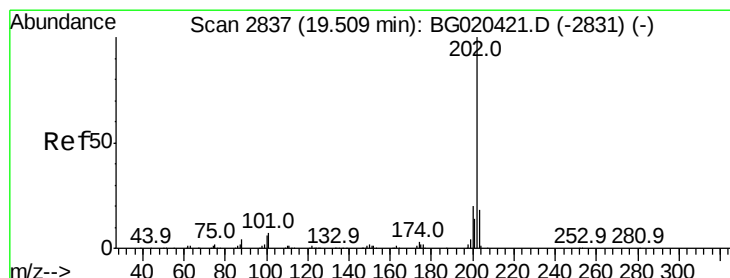
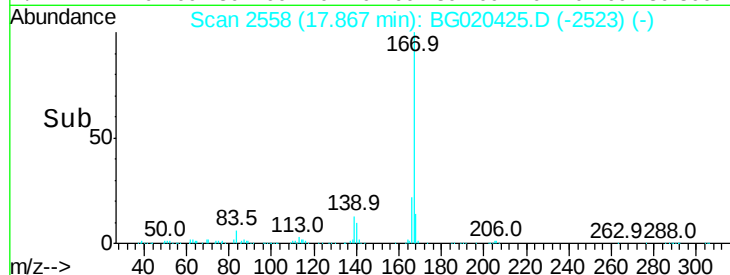
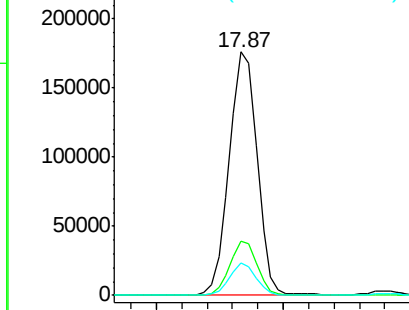
Tot Ion:	167	Resp:	269917
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.0	25.6
139	13.2	10.1	15.1

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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: 311.91 ng/ul

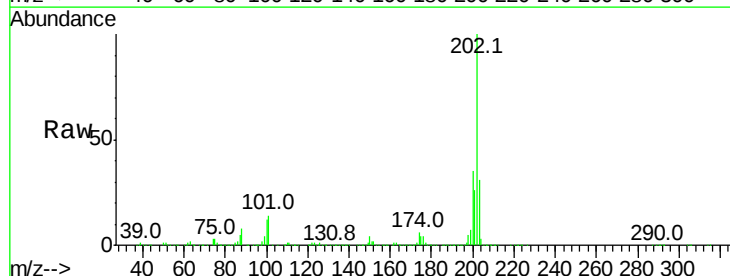
RT: 19.54 min Scan# 2842

Delta R.T. 0.03 min

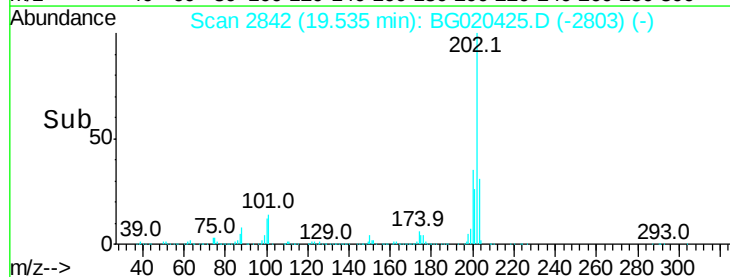
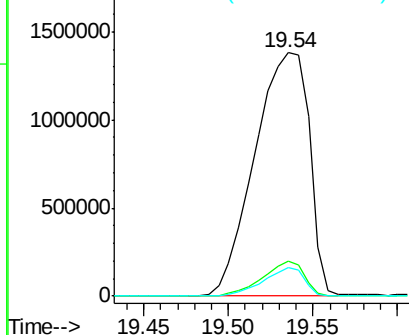
Lab File: BG020425.D

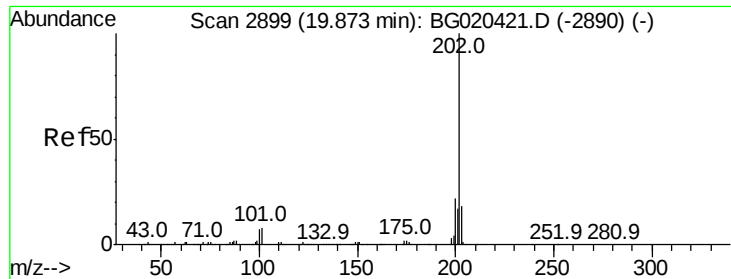
Acq: 23 Dec 2015 2:51

Tgt Ion:	202	Resp:	3086567
Ion Ratio	Lower	Upper	
202	100		
101	14.4	6.2	9.4#
100	11.8	5.1	7.7#



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





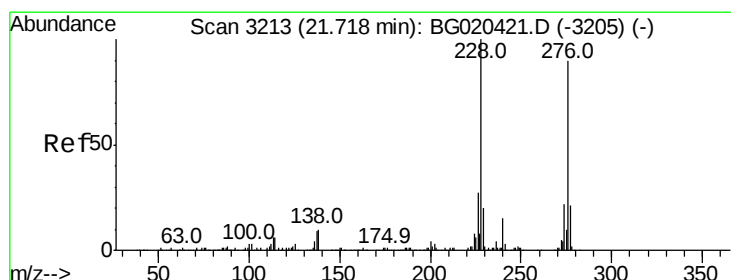
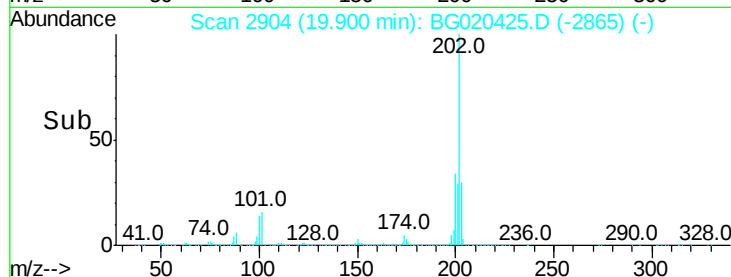
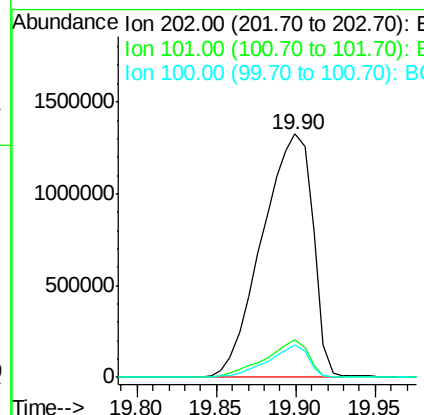
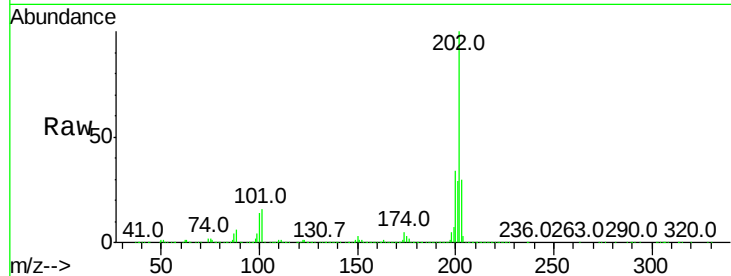
#80
Pvrene
Concen: 249.84 ng/ul
RT: 19.90 min Scan# 2904
Delta R.T. 0.03 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Instrument :
BNA_G
ClientSampleId :
E43M4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.7	7.0	10.4#
100	13.6	6.4	9.6#

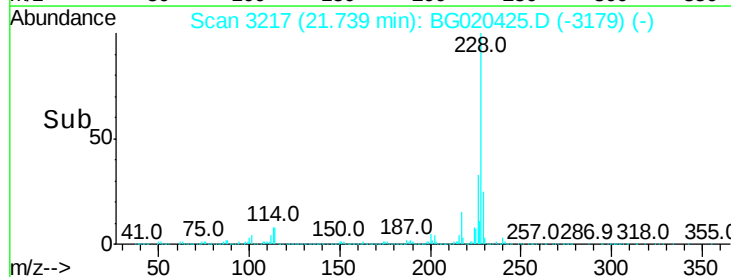
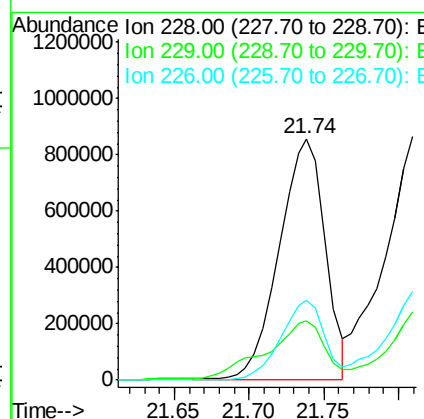
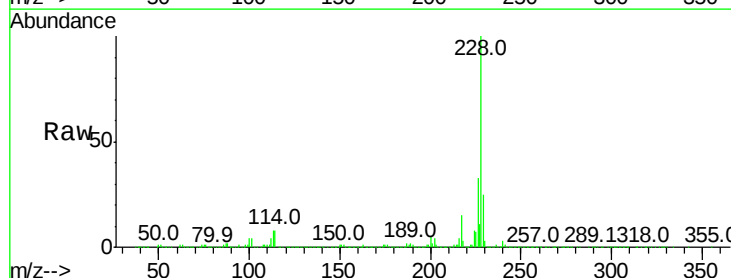
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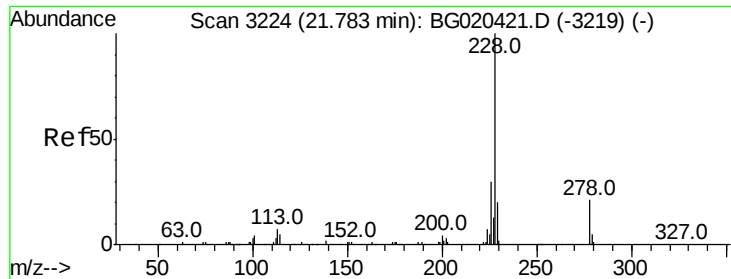
Sohil
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#83
Benzo(a)anthracene
Concen: 162.13 ng/ul
RT: 21.74 min Scan# 3217
Delta R.T. 0.02 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.8	15.8	23.8#
226	33.1	21.8	32.6#





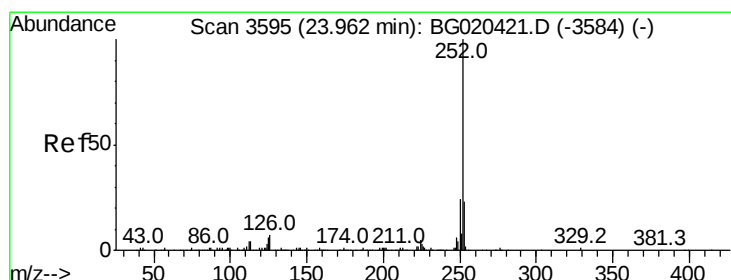
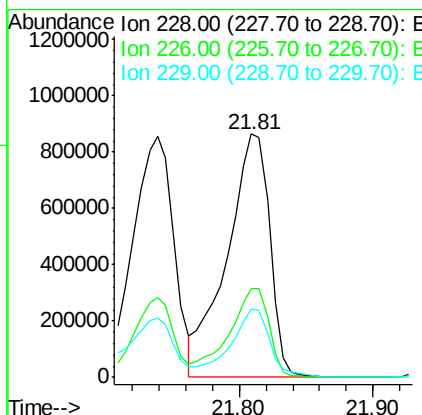
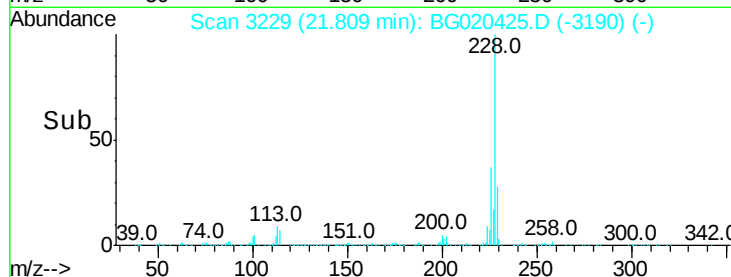
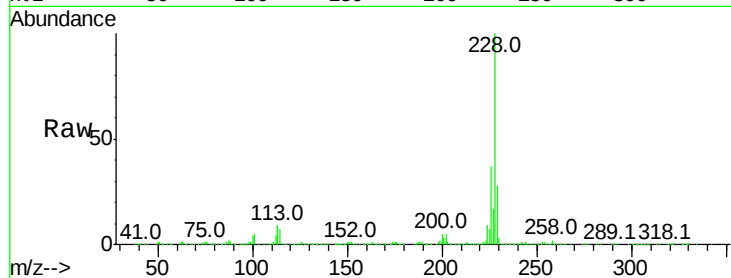
#85
 Chrysene
 Concen: 178.88 ng/ul
 RT: 21.81 min Scan# 3229
 Delta R.T. 0.03 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Instrument :
 BNA_G
 ClientSampleId :
 E43M4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.6	23.9	35.9#
229	27.9	15.6	23.4#

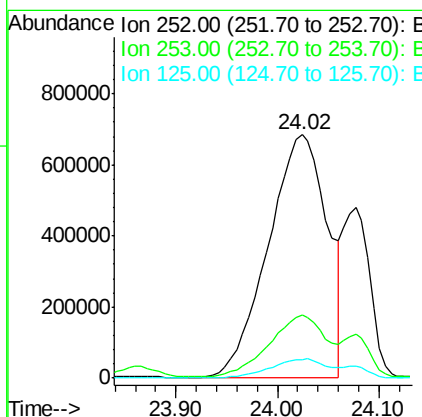
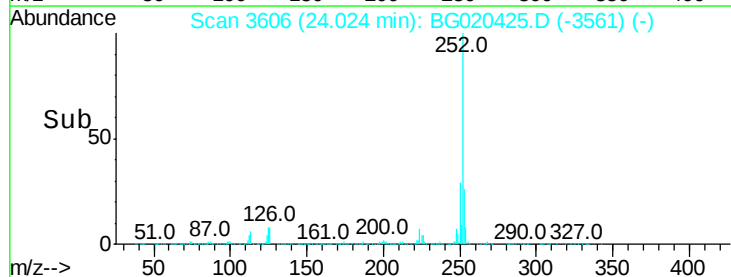
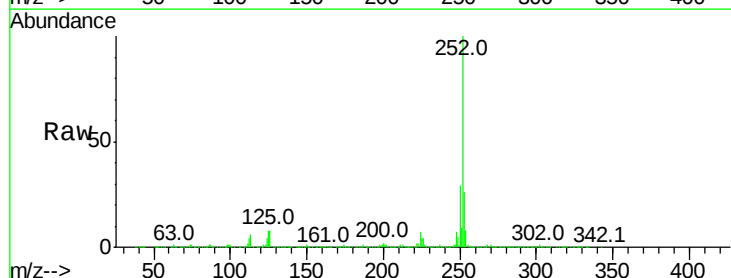
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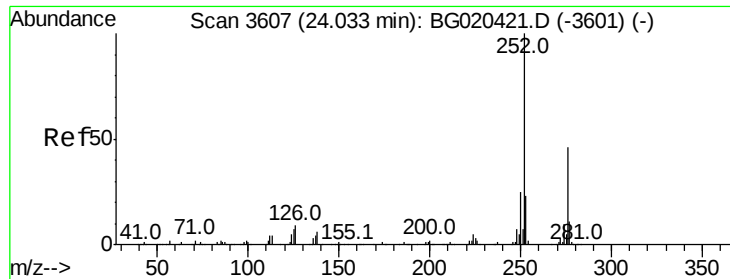
Sohil
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#88
 Benzo(b)fluoranthene
 Concen: 234.59 ng/ul
 RT: 24.02 min Scan# 3606
 Delta R.T. 0.06 min
 Lab File: BG020425.D
 Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	16.7	25.1#
125	7.8	6.2	9.2





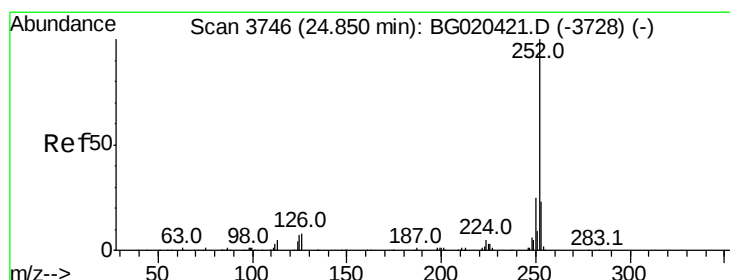
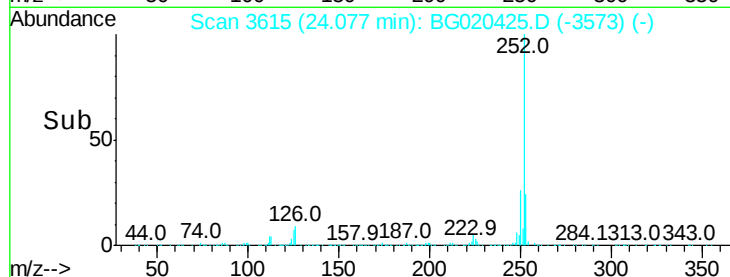
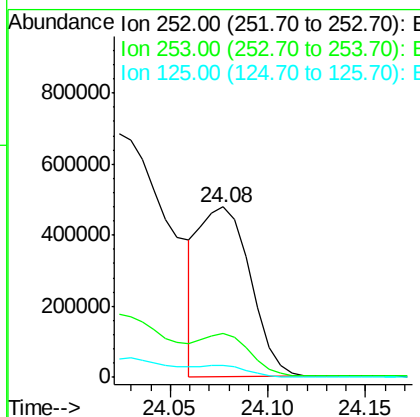
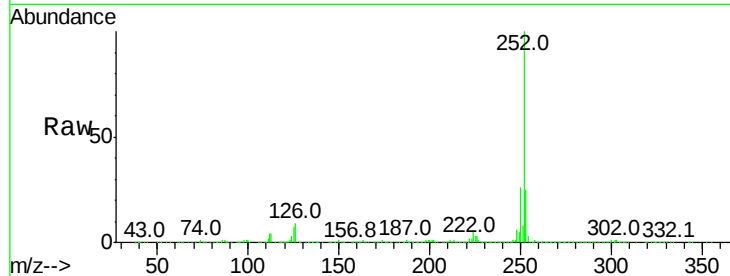
#89
Benzo(k)fluoranthene
Concen: 76.54 ng/ul
RT: 24.08 min Scan# 3615
Delta R.T. 0.04 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Instrument :
BNA_G
ClientSampleId :
E43M4MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	865399		
253	25.4		17.9	26.9
125	6.7		5.8	8.6

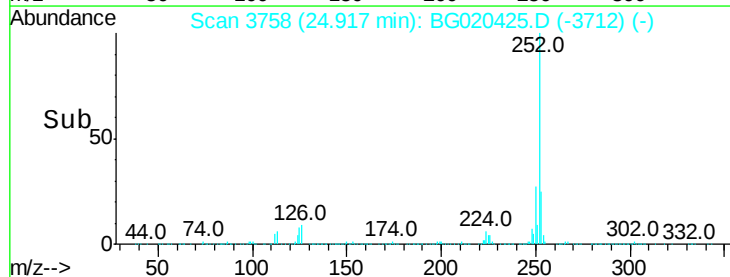
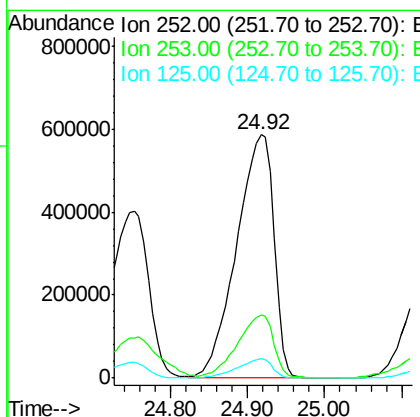
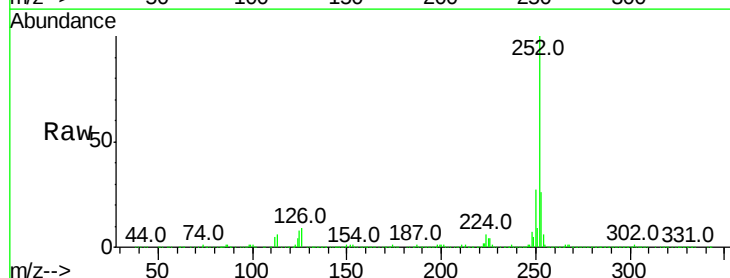
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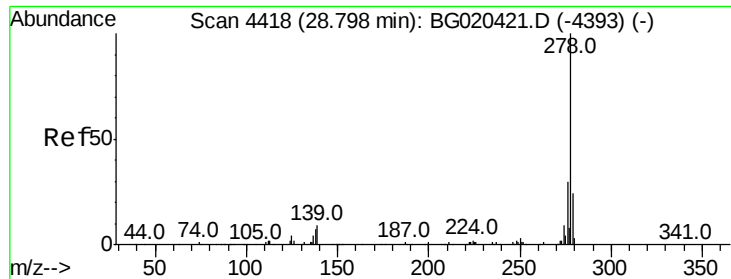
Sohil
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#91
Benzo(a)pyrene
Concen: 176.78 ng/ul
RT: 24.92 min Scan# 3758
Delta R.T. 0.07 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1974475		
253	26.0		17.0	25.4#
125	7.9		6.2	9.4





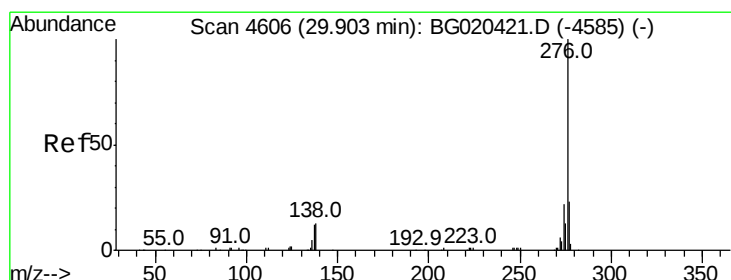
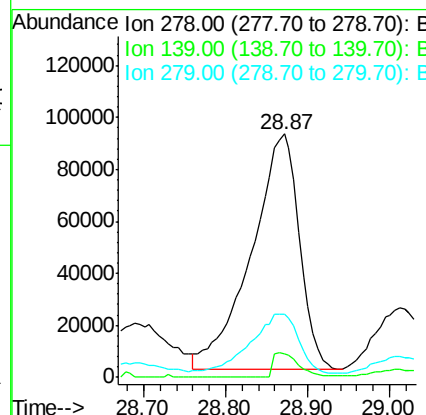
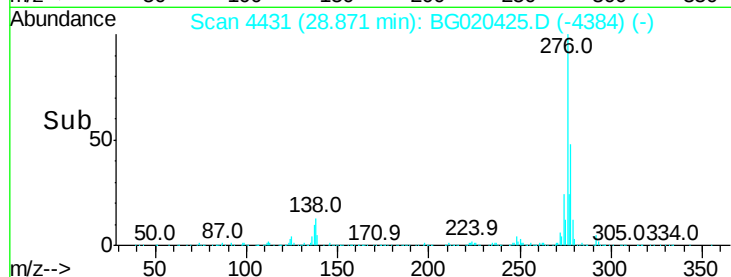
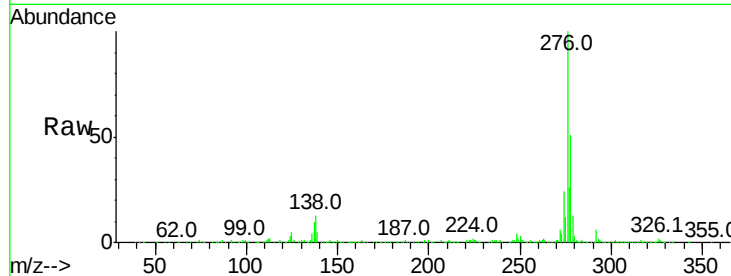
#93
Dibenzo(a,h)anthracene
Concen: 33.29 ng/ul
RT: 28.87 min Scan# 4431
Delta R.T. 0.07 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Instrument :
BNA_G
ClientSampleId :
E43M4MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	9.8	9.4	14.2
279	26.1	19.4	29.0

Manual Integrations
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12/24/2015 5:33:26 PM



#94
Benzo(g,h,i)perylene
Concen: 129.64 ng/ul
RT: 30.03 min Scan# 4628
Delta R.T. 0.13 min
Lab File: BG020425.D
Acq: 23 Dec 2015 2:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	24.1	19.9	29.9

