

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
 Data File : BG023015.D
 Acq On : 12 Jul 2016 00:38
 Operator : UM/SJ
 Sample : H3967-04MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Manual Integrations
 APPROVED

sohil
 7/12/2016 7:33:38 PM

Quant Time: Jul 12 04:41:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	109229	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	525457	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	402290	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	896008	20.00	ng	0.00
75) Chrysene-d12	21.87	240	991758	20.00	ng	0.02
86) Perylene-d12	25.25	264	1015676	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	455699	68.23	ng	0.00
7) Phenol-d6	7.31	99	465059	44.46	ng	0.00
23) Nitrobenzene-d5	9.33	82	1121314	91.38	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	795411	110.01	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2191102	85.79	ng	0.00
78) Terphenyl-d14	20.16	244	2829687	94.36	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.97	79	115124	12.96	ng	91
4) n-Nitrosodimethylamine	3.88	42	71051	18.64	ng	# 98
6) Aniline	7.47	93	343069	23.67	ng	95
8) 2-Chlorophenol	7.71	128	301306	42.39	ng	98
9) Benzaldehyde	7.28	77	434699	62.19	ng	# 1
10) Phenol	7.33	94	182378	16.95	ng	91
11) bis(2-Chloroethyl)ether	7.57	93	395643	46.38	ng	92
12) 1,3-Dichlorobenzene	8.04	146	298553	34.32	ng	95
13) 1,4-Dichlorobenzene	8.19	146	312935	35.93	ng	97
14) 1,2-Dichlorobenzene	8.51	146	317452	36.66	ng	95
15) Benzyl Alcohol	8.39	79	336416	35.11	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.68	45	462856	44.42	ng	93
17) 2-Methylphenol	8.60	107	261758	37.36	ng	96
18) Hexachloroethane	9.25	117	231953	63.09	ng	# 19
19) n-Nitroso-di-n-propylamine	8.96	70	429107	45.51	ng	97
20) 3+4-Methylphenols	8.93	107	324285	33.19	ng	95
22) Acetophenone	8.98	105	1008180	63.93	ng	# 90
24) Nitrobenzene	9.37	77	623028	47.78	ng	97
25) Isophorone	9.89	82	1113718	45.12	ng	97
26) 2-Nitrophenol	10.09	139	229916	44.94	ng	86
27) 2,4-Dimethylphenol	10.14	122	378060	42.74	ng	92
28) bis(2-Chloroethoxy)methane	10.38	93	610446	44.35	ng	98
29) 2,4-Dichlorophenol	10.63	162	431110	45.70	ng	99
30) 1,2,4-Trichlorobenzene	10.84	180	421201	38.97	ng	98
31) Naphthalene	11.03	128	2187296	81.77	ng	94
32) Benzoic acid	10.25	122	100919	12.54	ng	# 81
33) 4-Chloroaniline	11.15	127	262722	20.08	ng	93
34) Hexachlorobutadiene	11.31	225	299302	34.16	ng	97
35) Caprolactam	12.02	113	36183m	9.32	ng	
36) 4-Chloro-3-methylphenol	12.26	107	519198	40.24	ng	99
37) 2-Methylnaphthalene	12.63	142	1183526	55.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	625745	36.09	ng	98
40) Hexachlorocyclopentadiene	12.97	237	639161	64.04	ng	97
42) 2,4,6-Trichlorophenol	13.24	196	443096	44.47	ng	93

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071116\
 Data File : BG023015.D
 Acq On : 12 Jul 2016 00:38
 Operator : UM/SJ
 Sample : H3967-04MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

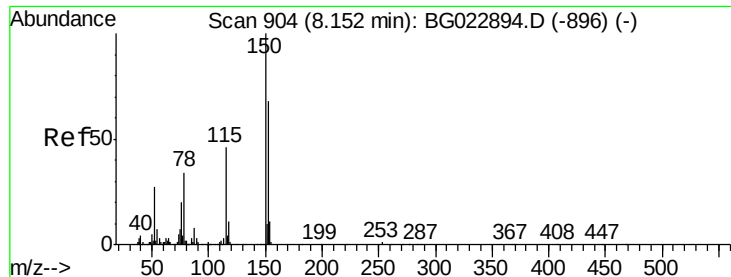
Manual Integrations
 APPROVED

sohil
 7/12/2016 7:33:38 PM

Quant Time: Jul 12 04:41:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	13.31	196	460885	45.04	nq	94
45) 1,1'-Biphenyl	13.63	154	1337340	44.31	nq	99
46) 2-Chloronaphthalene	13.68	162	1111607	45.40	nq	97
47) 2-Nitroaniline	13.88	65	485401	46.46	nq	95
48) Acenaphthylene	14.52	152	1632779	44.45	nq	98
49) Dimethylphthalate	14.25	163	1542620	46.94	nq	97
50) 2,6-Dinitrotoluene	14.37	165	342327	46.35	nq	92
51) Acenaphthene	14.86	154	1081469	45.06	nq	98
52) 3-Nitroaniline	14.71	138	169280	22.99	nq	92
53) 2,4-Dinitrophenol	14.91	184	394929	77.93	nq	97
54) Dibenzofuran	15.20	168	1701613	47.36	nq	98
55) 4-Nitrophenol	15.02	139	196484	31.83	nq	95
56) 2,4-Dinitrotoluene	15.16	165	488929	45.41	nq	# 95
57) Fluorene	15.85	166	1395077	45.12	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.42	232	463355	45.26	nq	97
59) Diethylphthalate	15.60	149	1508872	45.13	nq	96
60) 4-Chlorophenyl-phenylether	15.83	204	813479	43.20	nq	95
61) 4-Nitroaniline	15.87	138	286769	35.99	nq	88
62) Azobenzene	16.13	77	1617192	50.57	nq	94
64) 4,6-Dinitro-2-methylphenol	15.93	198	293665	44.10	nq	95
65) n-Nitrosodiphenylamine	16.05	169	1291617	50.03	nq	97
66) 4-Bromophenyl-phenylether	16.73	248	545452	46.79	nq	98
67) Hexachlorobenzene	16.86	284	577443	45.56	nq	99
68) Atrazine	17.01	200	507093	44.29	nq	99
69) Pentachlorophenol	17.21	266	766541	93.39	nq	95
70) Phenanthrene	17.60	178	2095970	47.73	nq	96
71) Anthracene	17.70	178	2130267	47.91	nq	96
72) Carbazole	17.97	167	1872945	48.75	nq	97
73) Di-n-butylphthalate	18.51	149	2207611	51.67	nq	98
74) Fluoranthene	19.61	202	2393809	44.42	nq	95
77) Pyrene	19.97	202	2447995	43.92	nq	99
79) Butylbenzylphthalate	20.85	149	1121418	50.80	nq	97
80) Benzo(a)anthracene	21.85	228	2645528	47.68	nq	99
81) 3,3'-Dichlorobenzidine	21.76	252	490211	20.13	nq	# 98
82) Chrysene	21.92	228	2426500	46.62	nq	96
83) Bis(2-ethylhexyl)phthalate	21.73	149	1527555	49.83	nq	97
84) Di-n-octyl phthalate	23.00	149	2533846	49.57	nq	100
85) Indeno(1,2,3-cd)pyrene	29.13	276	3206303	48.31	nq	# 100
87) Benzo(b)fluoranthene	24.18	252	2783762	47.51	nq	98
88) Benzo(k)fluoranthene	24.25	252	2686266	48.31	nq	# 96
89) Benzo(a)pyrene	25.09	252	2771627	49.34	nq	# 96
90) Dibenzo(a,h)anthracene	29.20	278	2678831	48.05	nq	# 93
91) Benzo(g,h,i)perylene	30.35	276	2643048	47.34	nq	# 96

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



#1

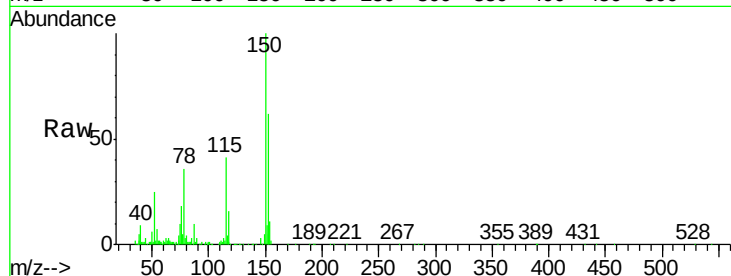
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

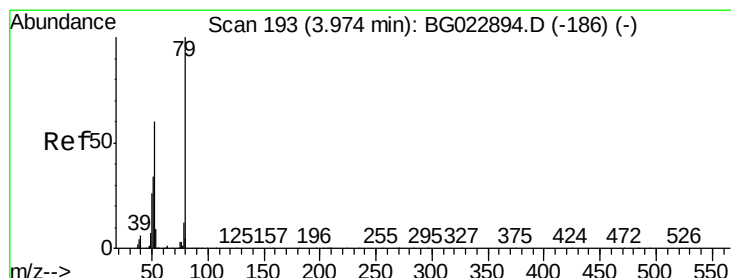
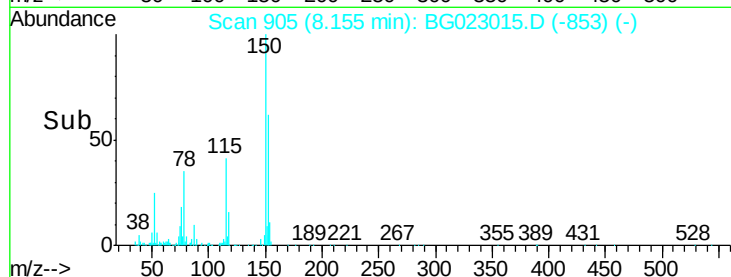
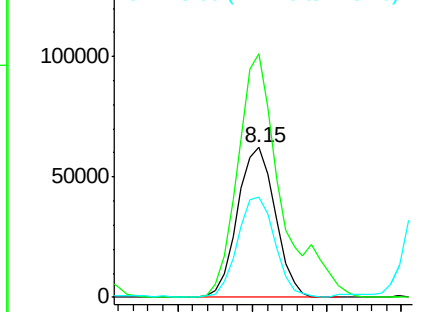
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	144.7	217.1
115	67.0	64.0	96.0

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



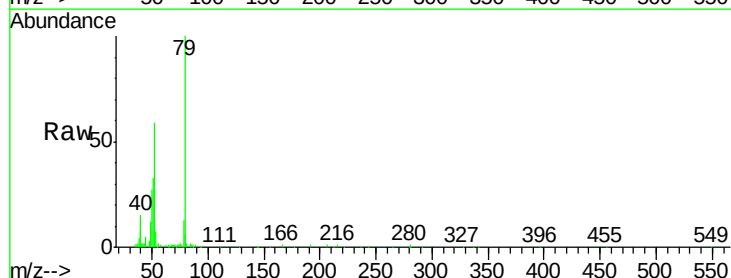
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



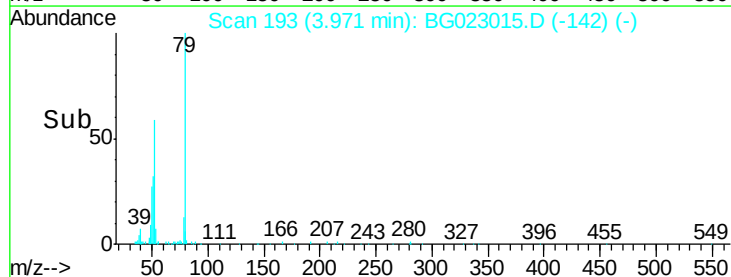
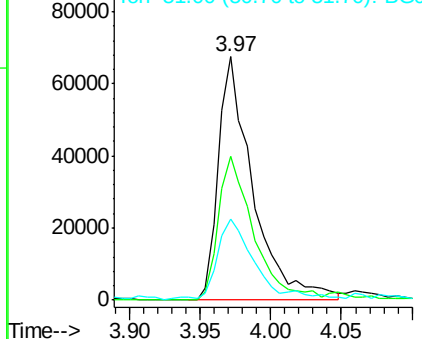
#3

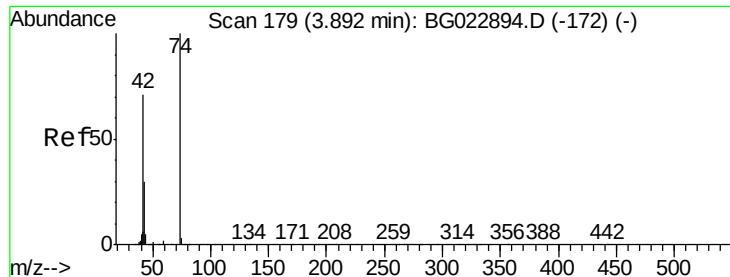
Pyridine
Concen: 12.96 ng
RT: 3.97 min Scan# 193
Delta R.T. -0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
79	100		
52	58.8	51.8	77.8
51	33.5	32.7	49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#4

n-Nitrosodimethylamine

Concen: 18.64 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

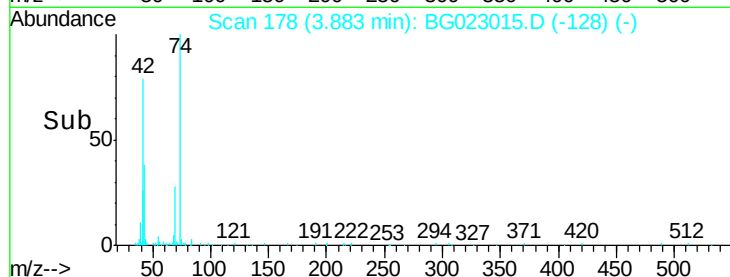
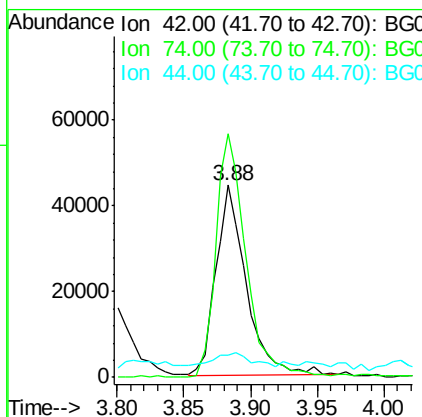
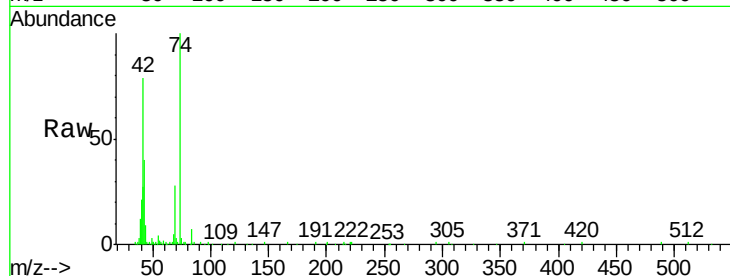
ClientSampleId :

S22-0005MSD

Tot Ion:	42	Resp:	71051
Ion	Ratio	Lower	Upper
42	100		
74	126.7	100.6	150.8
44	11.8	4.5	6.7#

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



#5

2-Fluorophenol

Concen: 68.23 ng

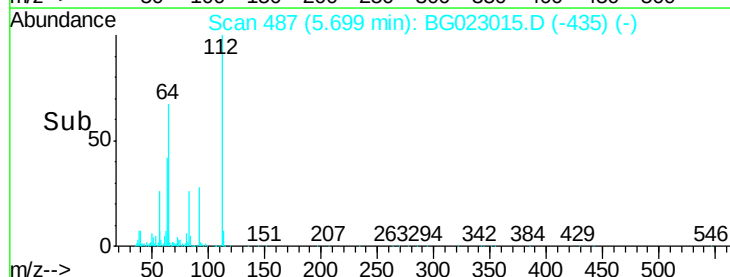
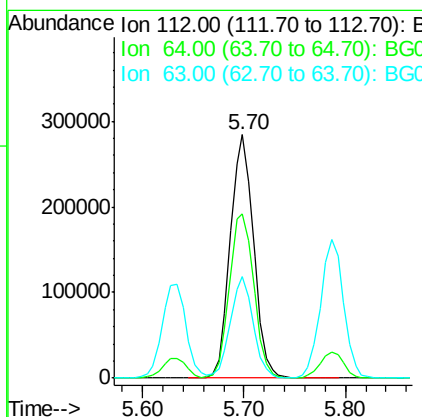
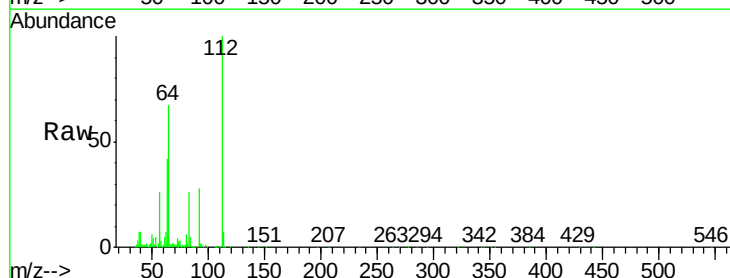
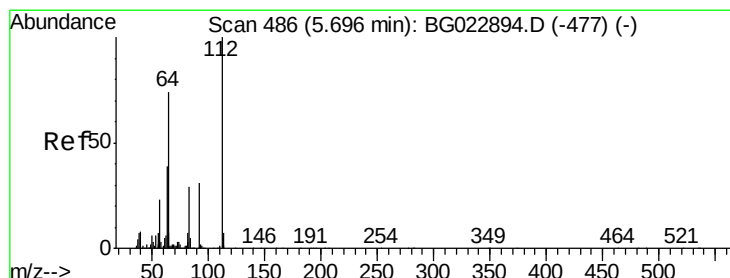
RT: 5.70 min Scan# 487

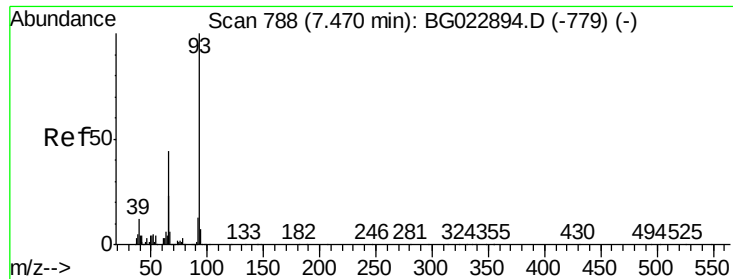
Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion:	112	Resp:	455699
Ion	Ratio	Lower	Upper
112	100		
64	67.4	59.0	88.4
63	41.8	37.8	56.8





#6

Aniline

Concen: 23.67 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

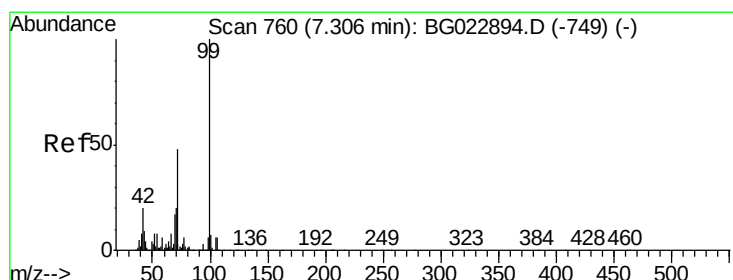
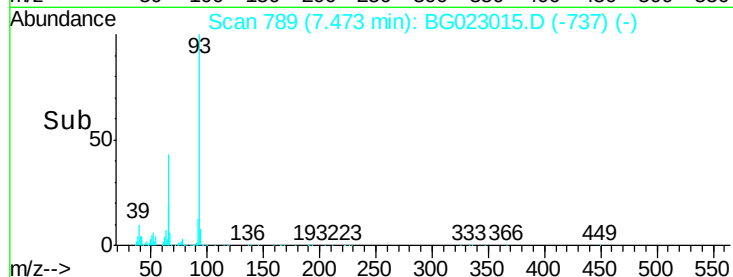
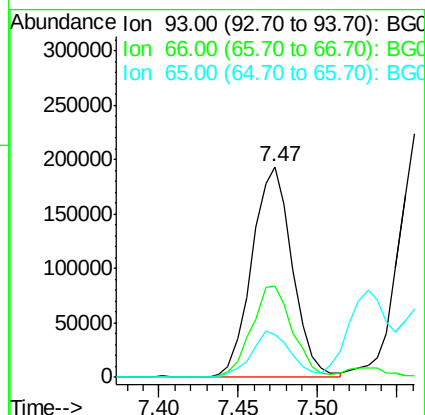
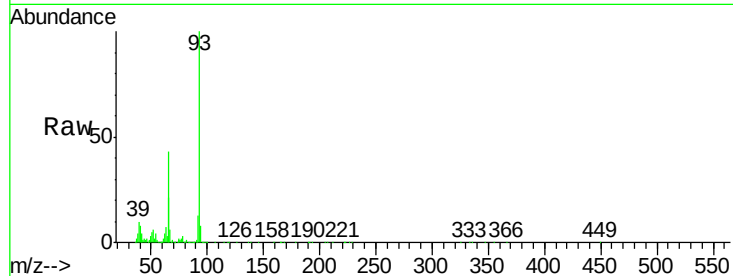
ClientSampleId :

S22-0005MSD

Tot Ion:	93	Resp:	343069
Ion	Ratio	Lower	Upper
93	100		
66	43.2	37.5	56.3
65	20.5	17.9	26.9

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



#7

Phenol-d6

Concen: 44.46 ng

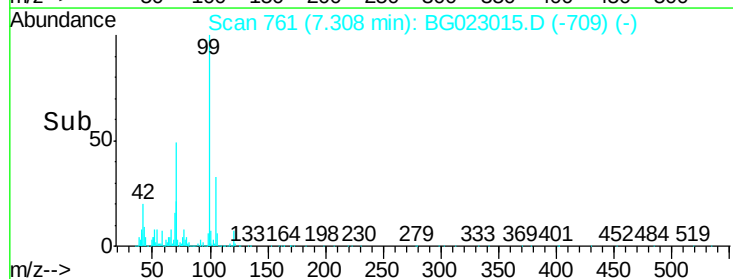
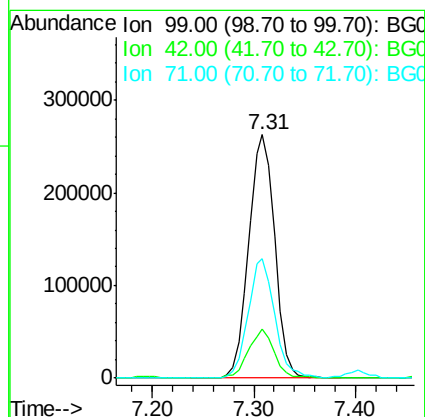
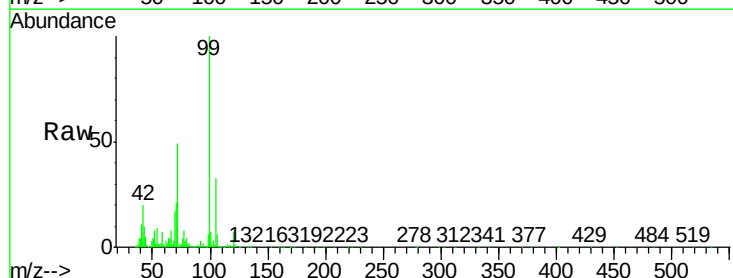
RT: 7.31 min Scan# 761

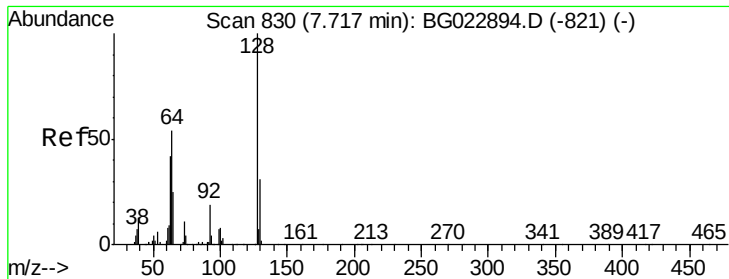
Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion:	99	Resp:	465059
Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.8	26.6
71	49.2	41.5	62.3





#8

2-Chlorophenol

Concen: 42.39 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

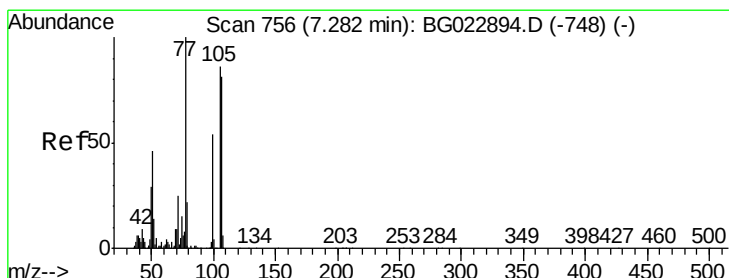
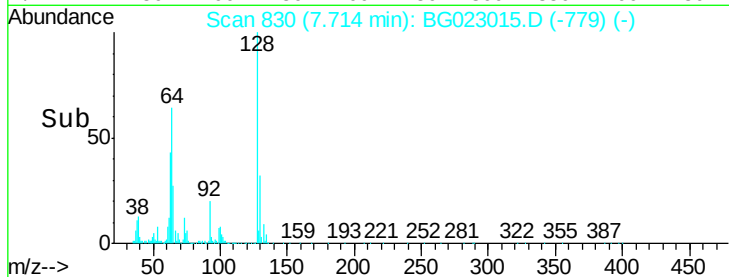
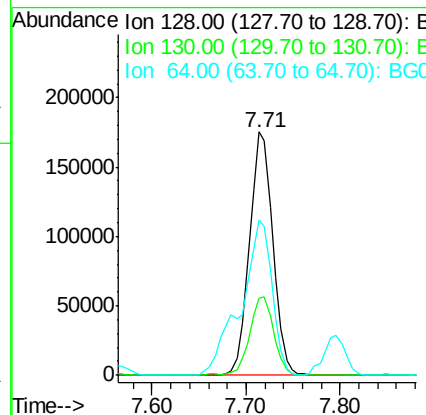
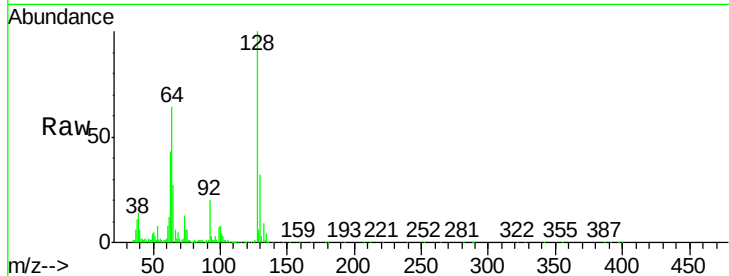
ClientSampleId :

S22-0005MSD

Tot Ion:	128	Resp:	301306
Ion Ratio	Lower	Upper	
128	100		
130	31.9	12.9	52.9
64	64.0	42.0	82.0

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



#9

Benzaldehyde

Concen: 62.19 ng

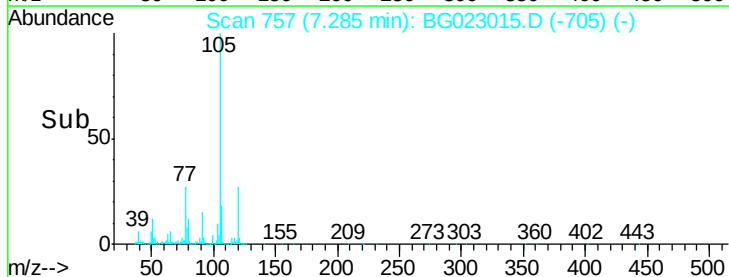
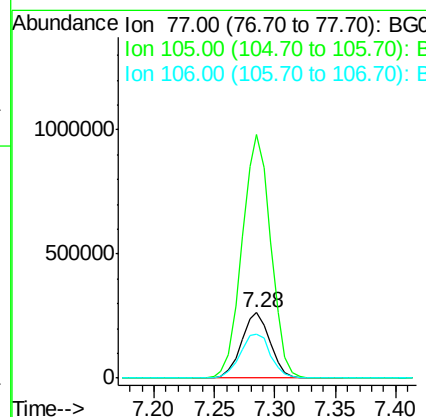
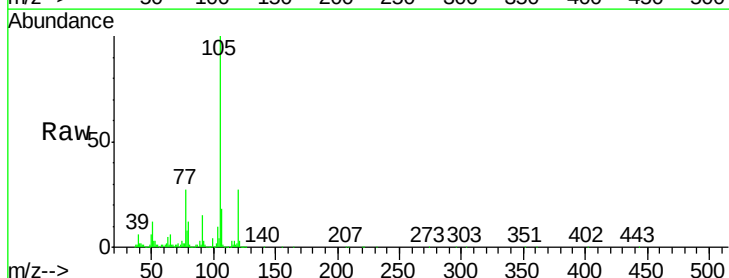
RT: 7.28 min Scan# 757

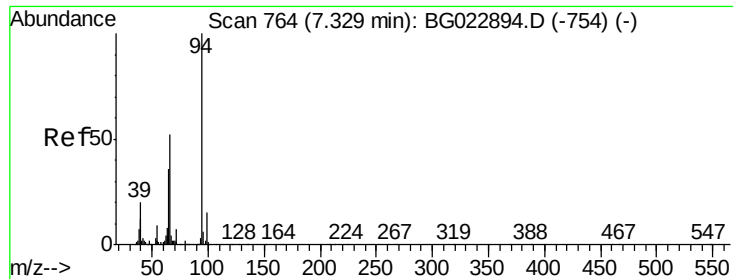
Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion:	77	Resp:	434699
Ion Ratio	Lower	Upper	
77	100		
105	373.8	58.7	98.7#
106	68.1	67.5	107.5





#10

Phenol

Concen: 16.95 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampled :

S22-0005MSD

Tot Ion: 94 Resp: 182378

Ion Ratio Lower Upper

94 100

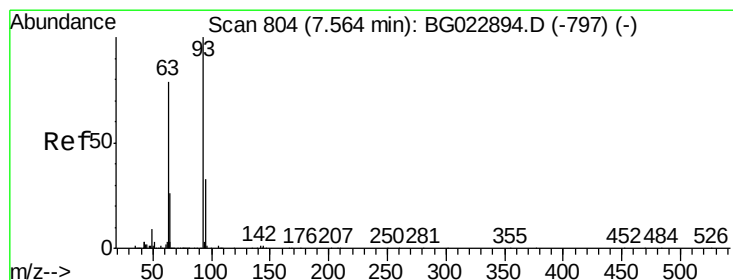
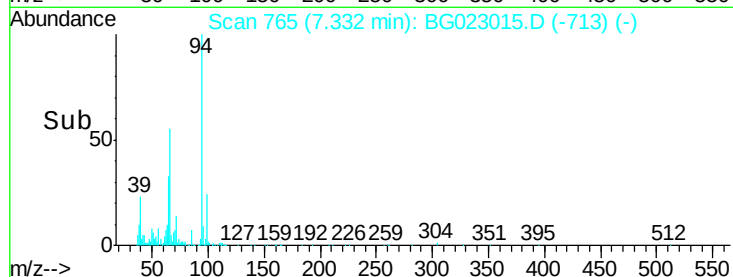
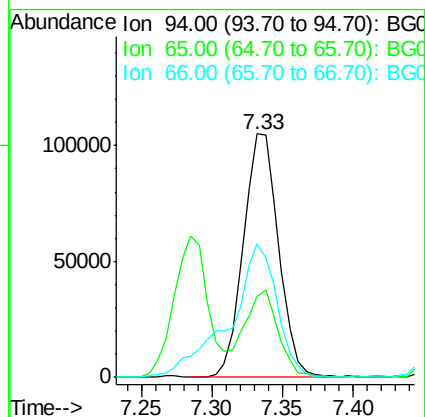
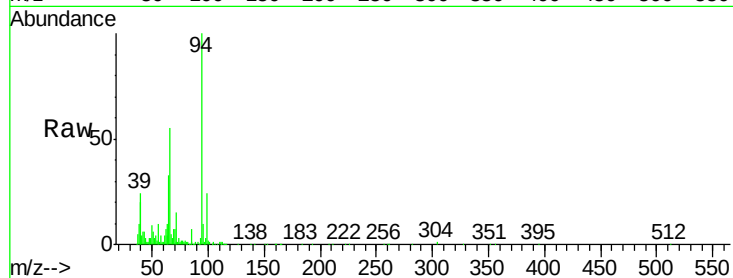
65 33.5 18.1 58.1

66 55.0 42.1 82.1

Manual Integrations
APPROVED

sohil

7/12/2016 7:33:38 PM



#11

bis(2-Chloroethyl)ether

Concen: 46.38 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

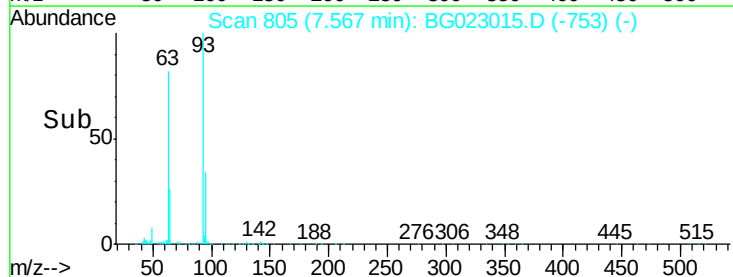
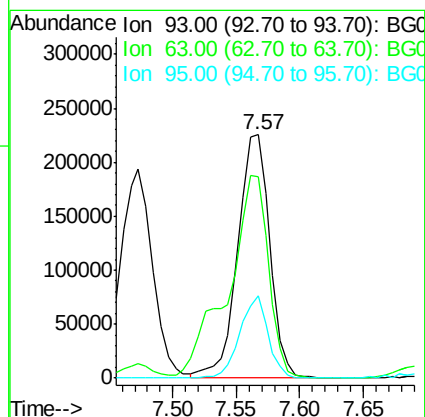
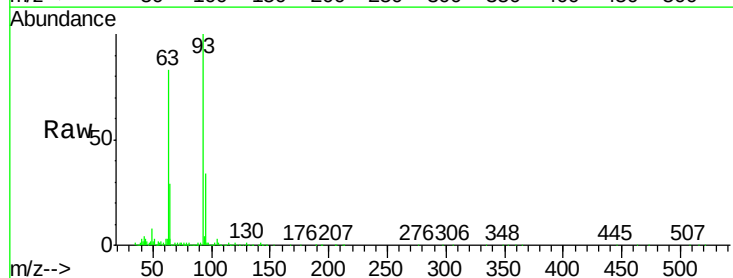
Tgt Ion: 93 Resp: 395643

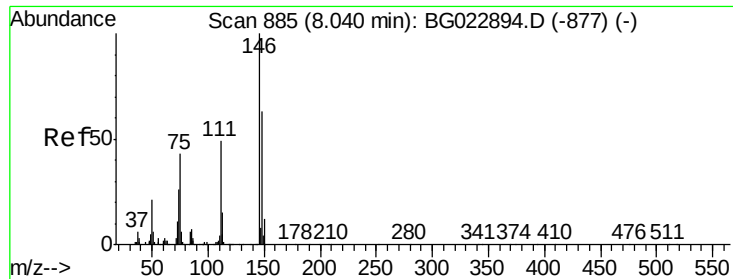
Ion Ratio Lower Upper

93 100

63 82.6 55.0 95.0

95 33.6 11.0 51.0





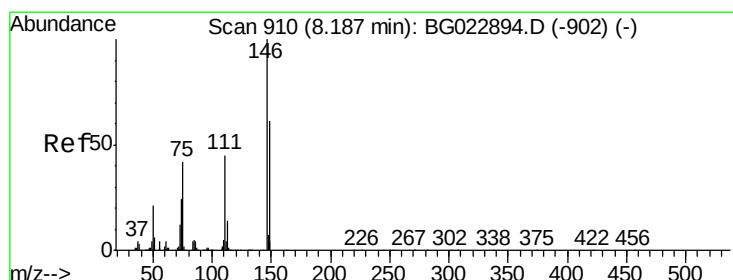
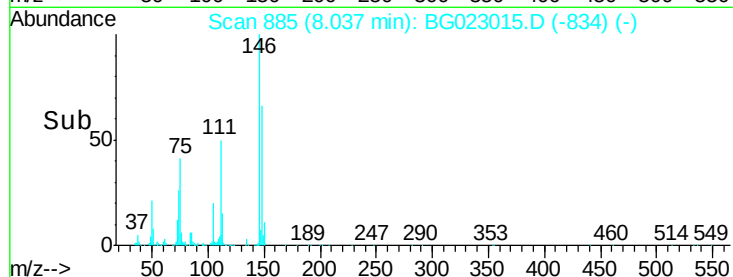
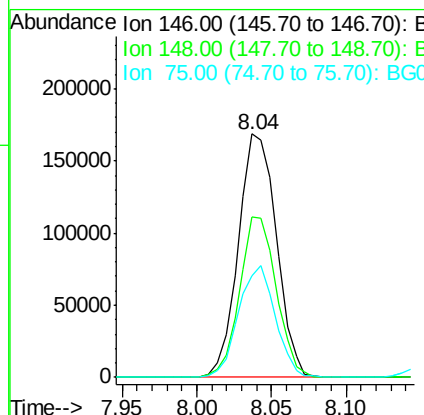
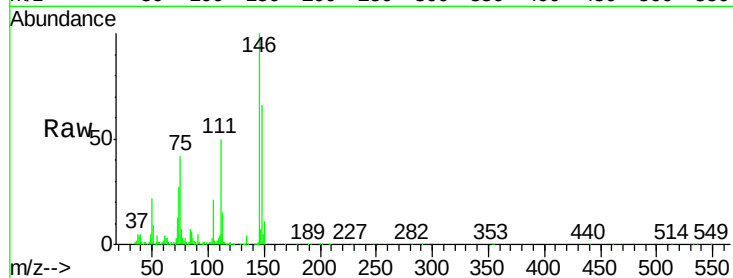
#12
1,3-Dichlorobenzene
Concen: 34.32 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.3	75.5
75	41.5	37.0	55.6

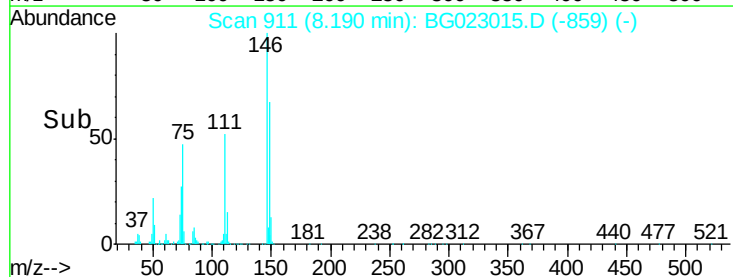
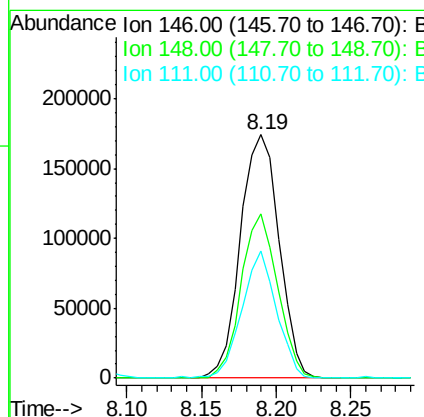
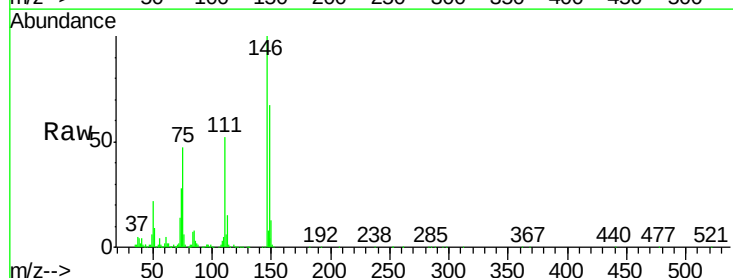
Manual Integrations
APPROVED

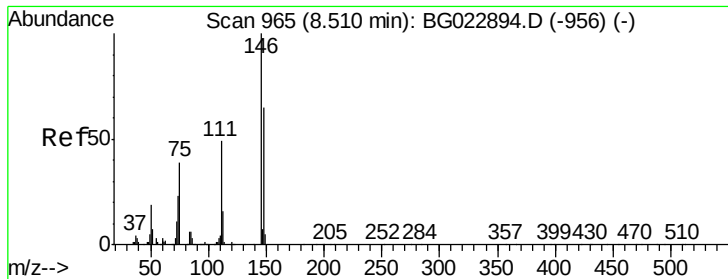
sohil
7/12/2016 7:33:38 PM



#13
1,4-Dichlorobenzene
Concen: 35.93 ng
RT: 8.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.4	54.5	81.7
111	52.0	37.8	56.8





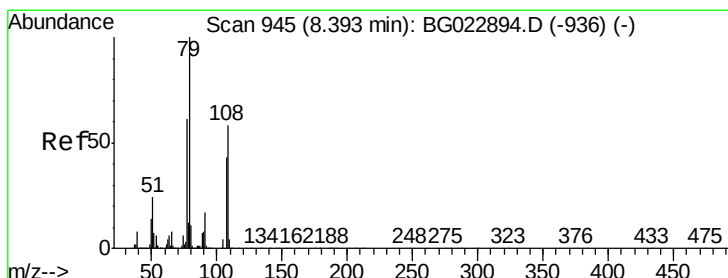
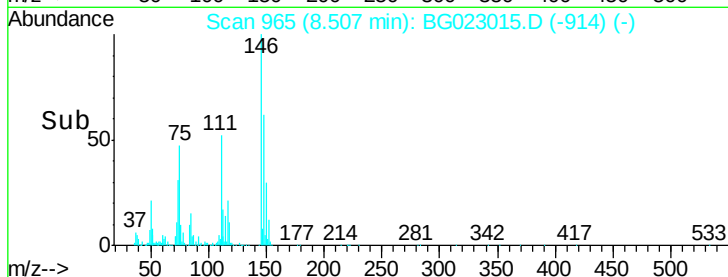
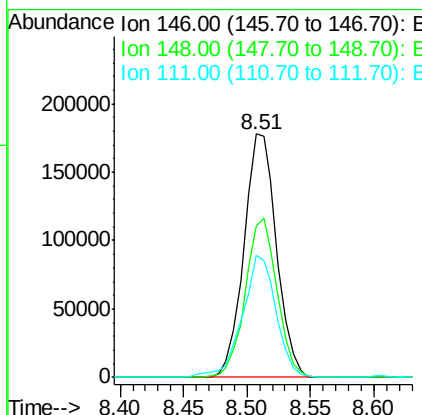
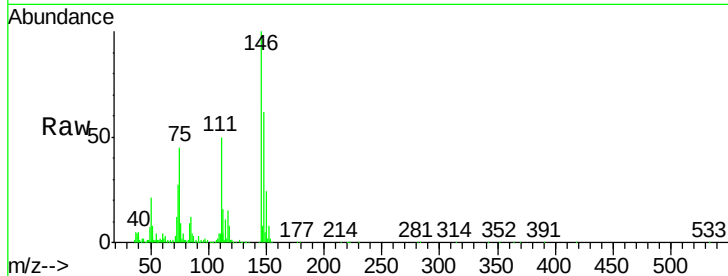
#14
 1,2-Dichlorobenzene
 Concen: 36.66 ng
 RT: 8.51 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.9	79.3
111	49.9	43.5	65.3

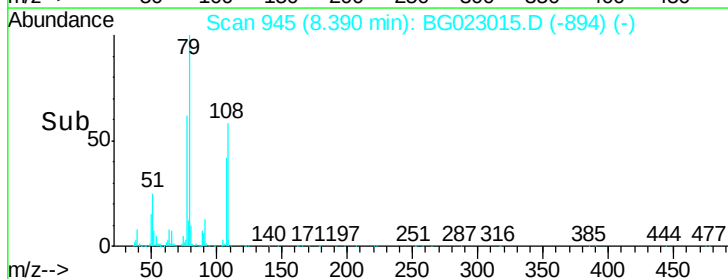
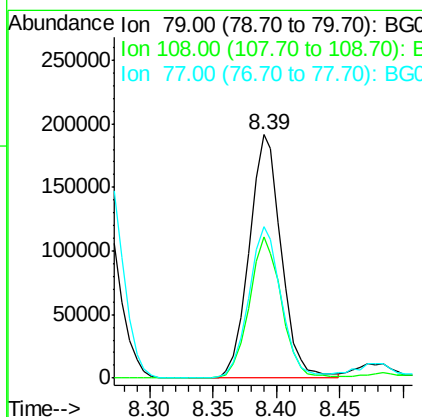
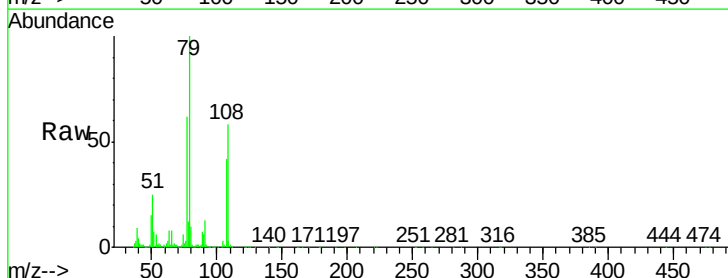
Manual Integrations
 APPROVED

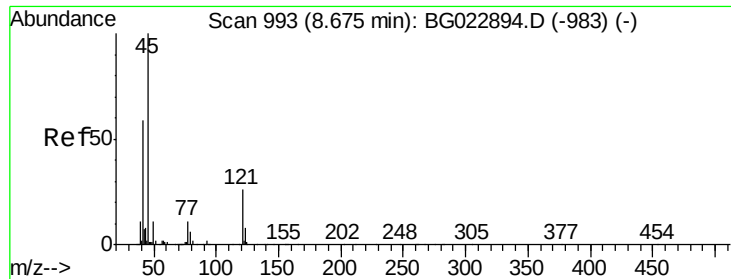
sohil
 7/12/2016 7:33:38 PM



#15
 Benzyl Alcohol
 Concen: 35.11 ng
 RT: 8.39 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
79	100		
108	58.1	46.5	69.7
77	62.4	52.3	78.5





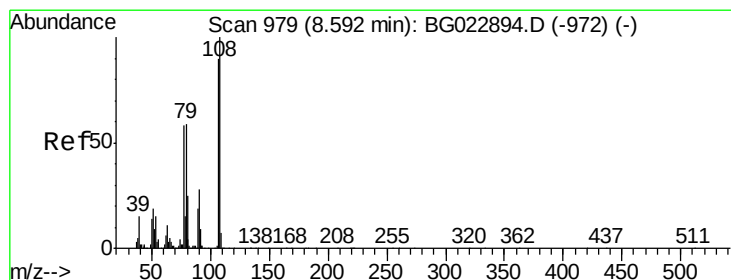
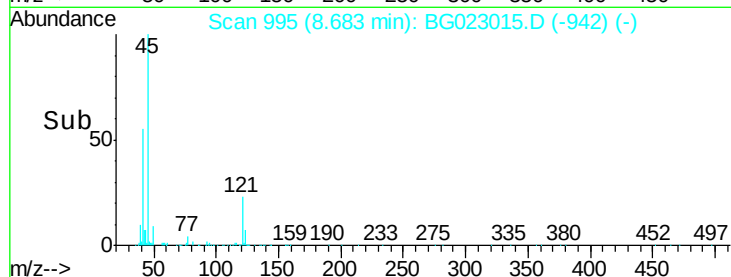
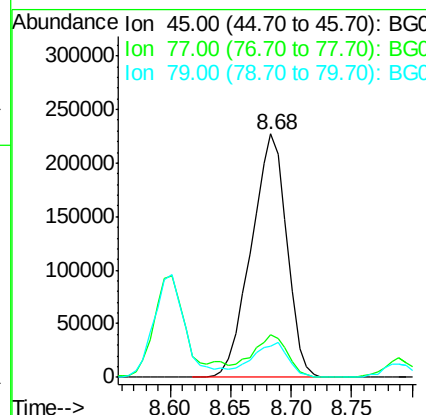
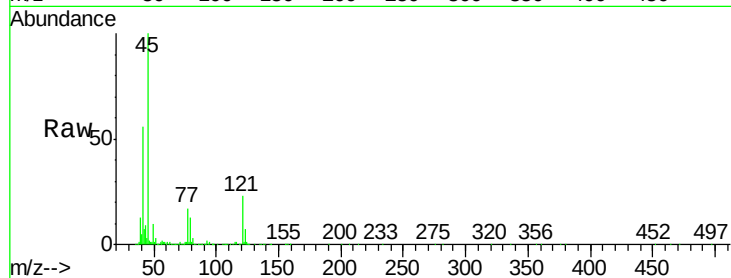
#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.42 ng
RT: 8.68 min Scan# 995
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Resp	Lower	Upper
45	100	462856		
77	17.5	0.6	40.6	
79	12.7	0.0	36.2	

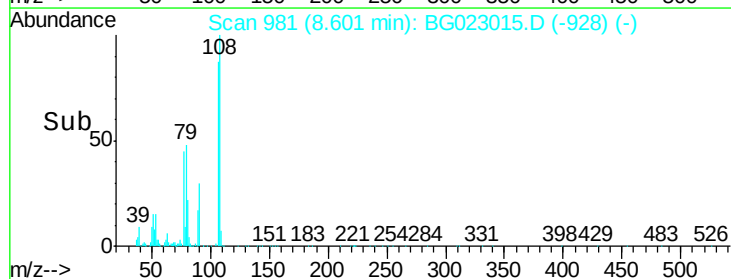
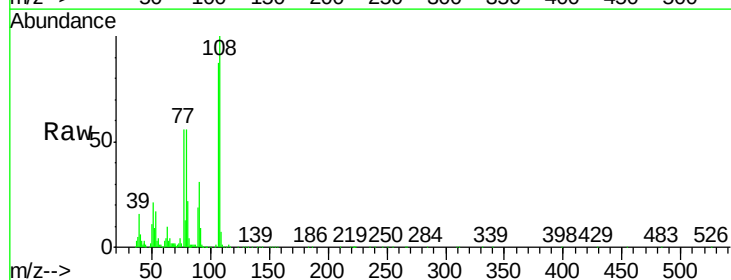
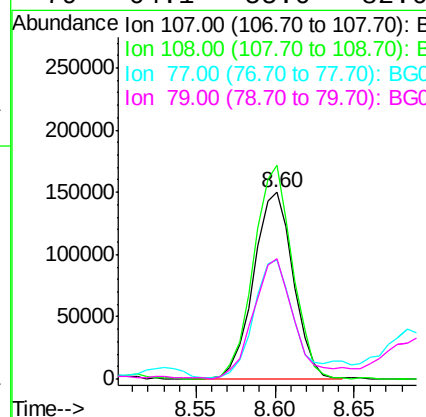
Manual Integrations
APPROVED

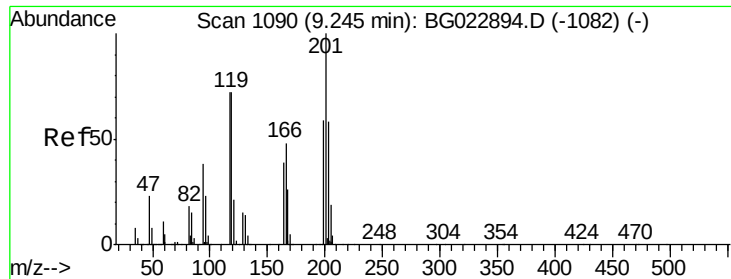
sohil
7/12/2016 7:33:38 PM



#17
2-Methylphenol
Concen: 37.36 ng
RT: 8.60 min Scan# 981
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	261758		
108	114.4	92.0	138.0	
77	63.5	55.8	83.6	
79	64.1	55.0	82.6	





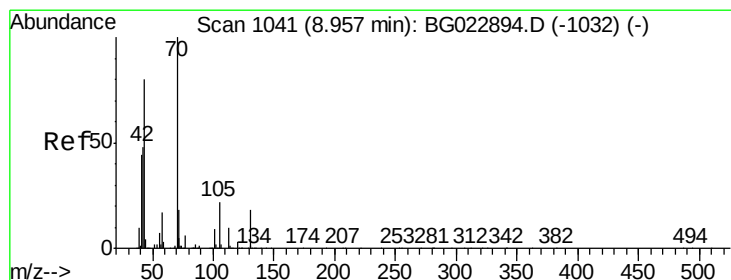
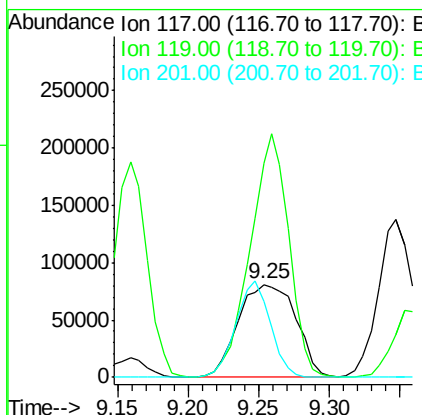
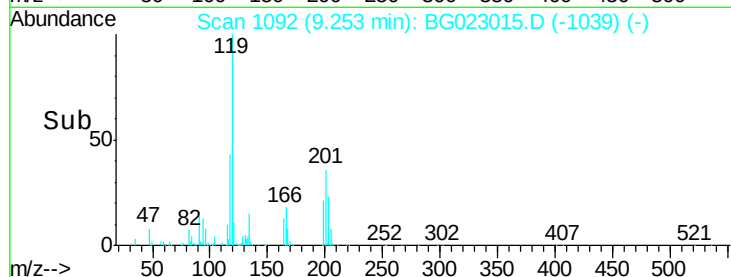
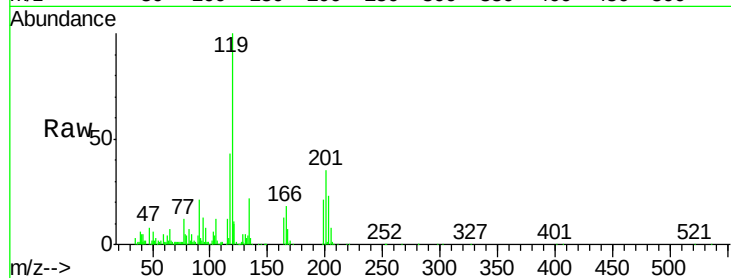
#18
Hexachloroethane
Concen: 63.09 ng
RT: 9.25 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	230.5	73.7	110.5#
201	81.6	88.7	133.1#

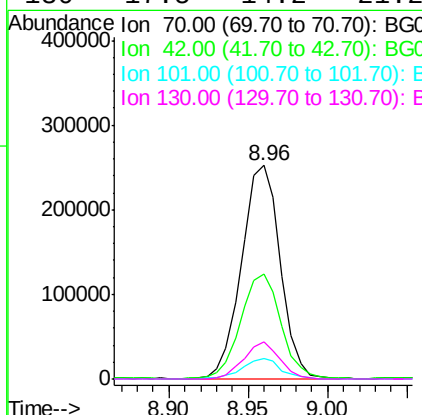
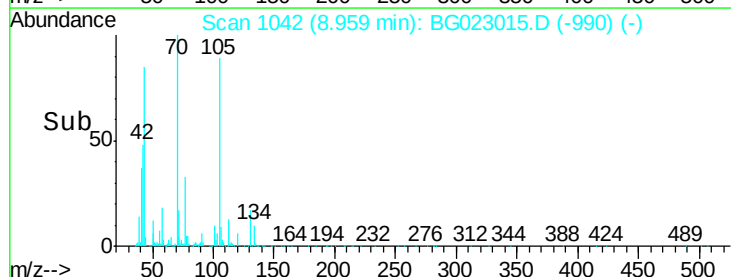
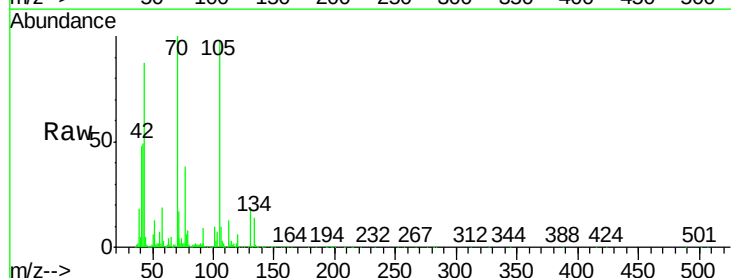
Manual Integrations
APPROVED

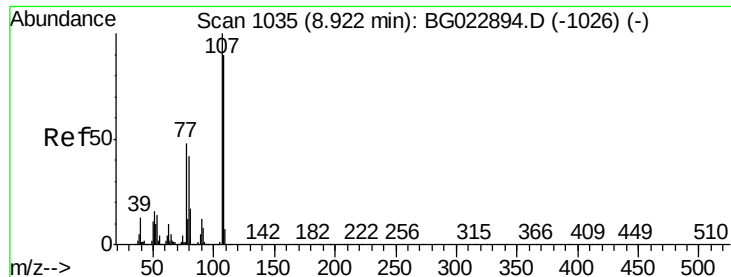
sohil
7/12/2016 7:33:38 PM



#19
n-Nitroso-di-n-propylamine
Concen: 45.51 ng
RT: 8.96 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.4	42.1	63.1
101	9.9	7.2	10.8
130	17.5	14.2	21.2





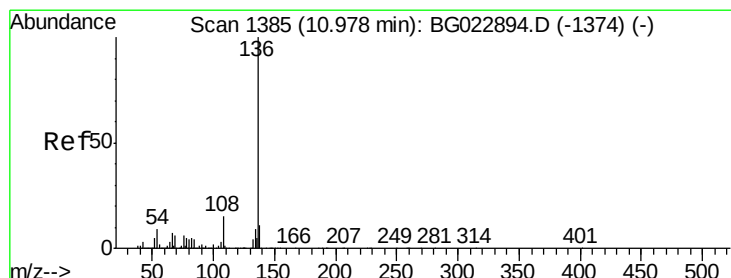
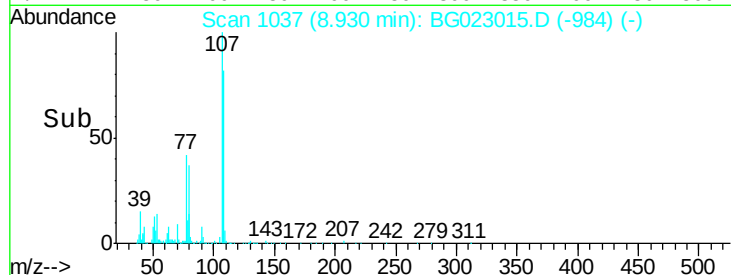
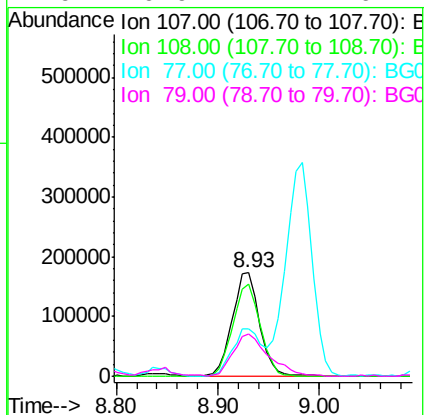
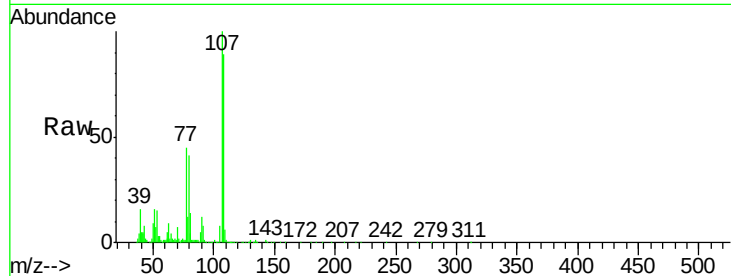
#20
3+4-Methylphenols
Concen: 33.19 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	324285		
108	108	88.7		72.5	112.5
77	77	45.4		30.1	70.1
79	79	40.9		24.2	64.2

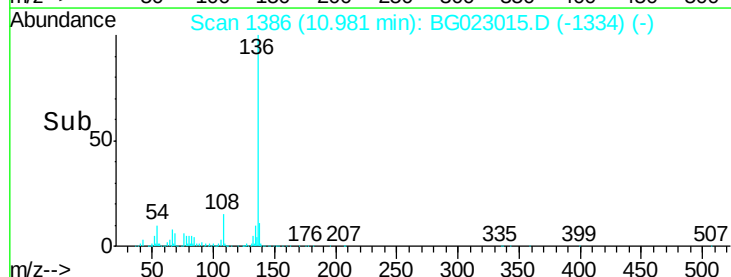
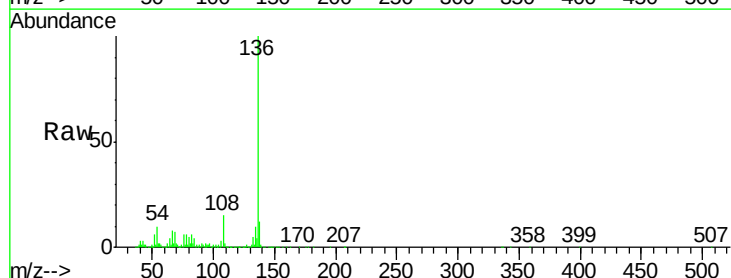
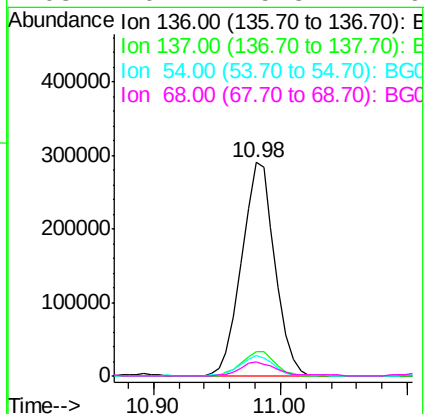
Manual Integrations
APPROVED

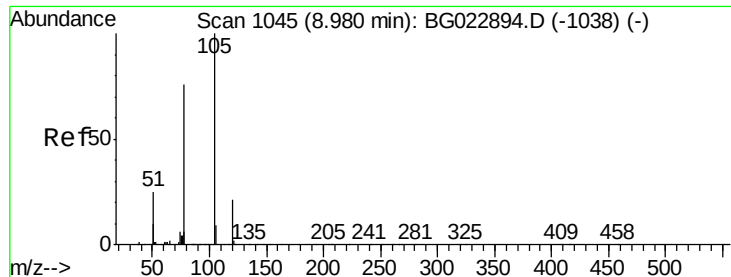
sohil
7/12/2016 7:33:38 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	525457		
137	137	11.6		9.6	14.4
54	54	9.9		7.3	10.9
68	68	6.7		5.3	7.9





#22

Acetophenone

Concen: 63.93 ng

RT: 8.98 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:105 Resp: 1008180

Ion Ratio Lower Upper

105 100

71 2.1 2.6 3.8#

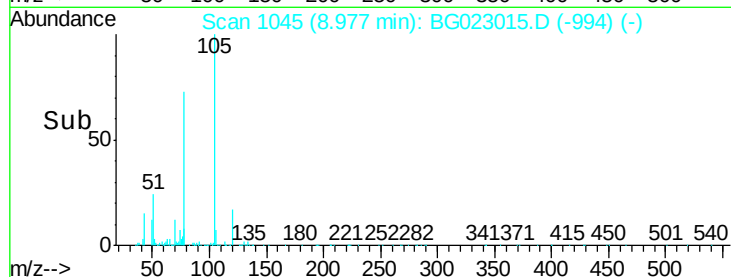
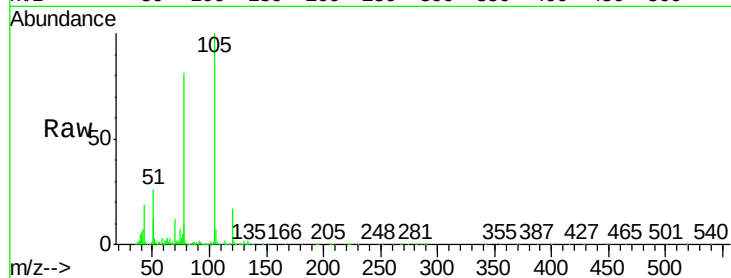
51 26.1 27.1 40.7#

120 17.0 15.1 22.7

Manual Integrations
APPROVED

sohil

7/12/2016 7:33:38 PM

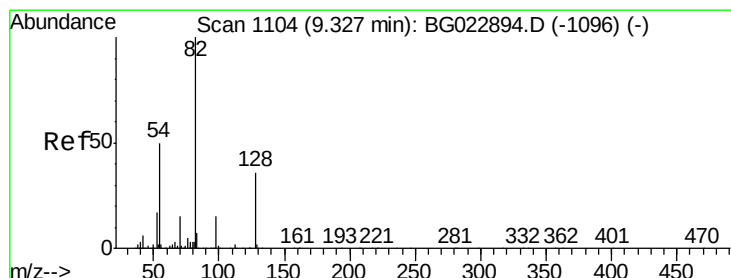
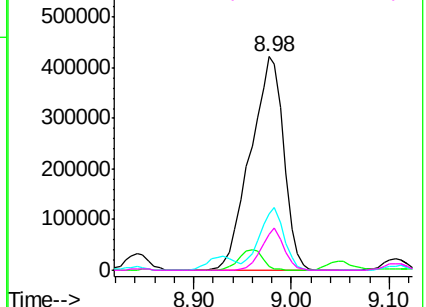


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 91.38 ng

RT: 9.33 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

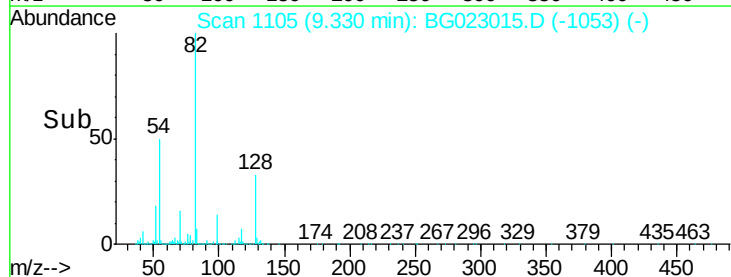
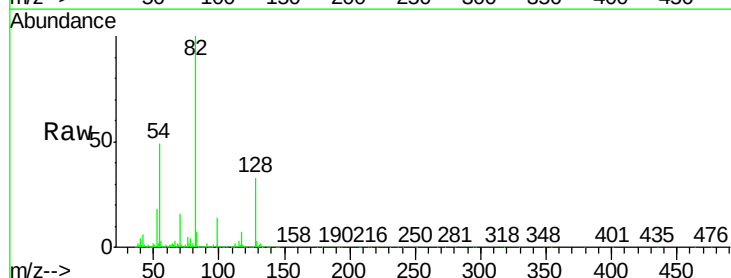
Tgt Ion: 82 Resp: 1121314

Ion Ratio Lower Upper

82 100

128 33.1 24.4 36.6

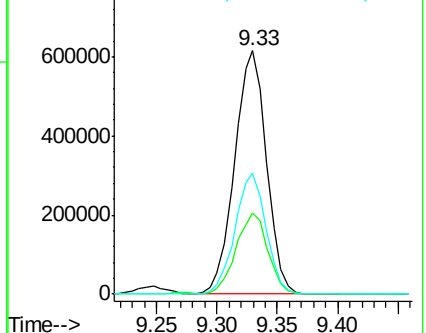
54 49.5 41.4 62.0

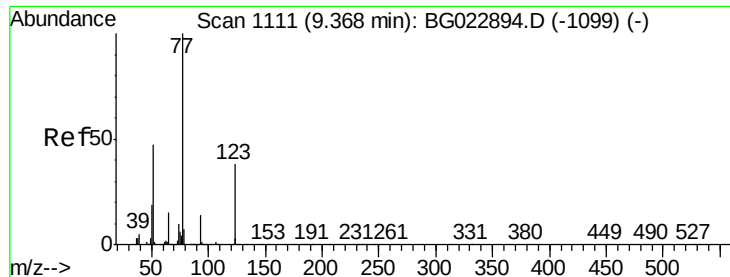


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





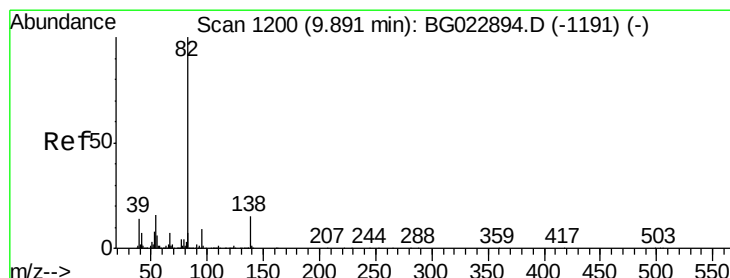
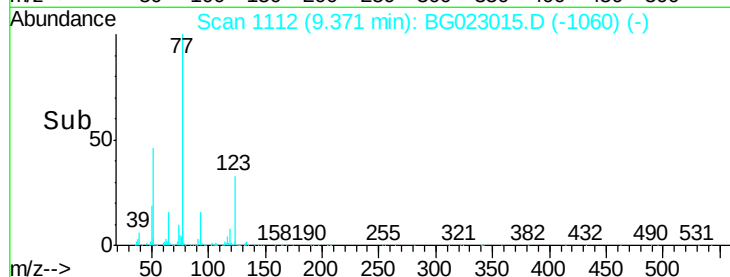
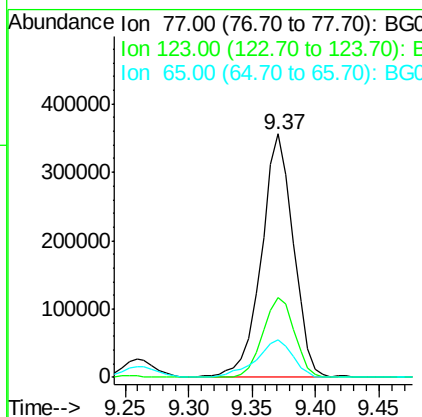
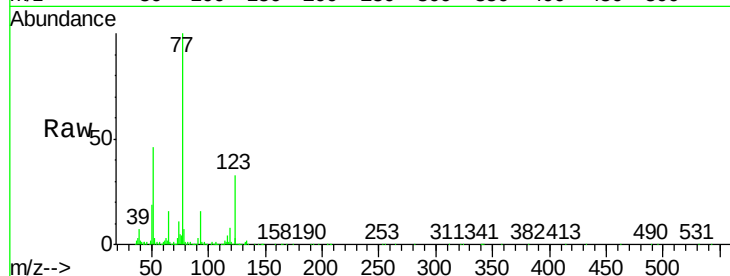
#24
 Nitrobenzene
 Concen: 47.78 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	32.8	25.0	37.6
65	15.6	13.4	20.0

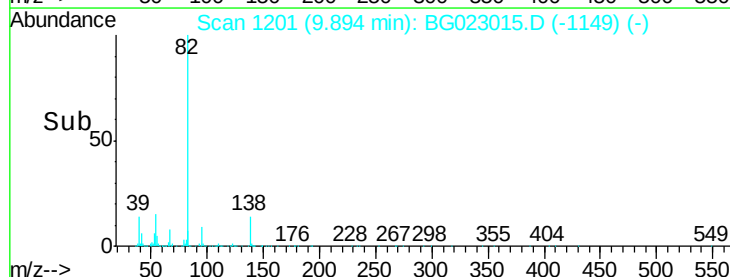
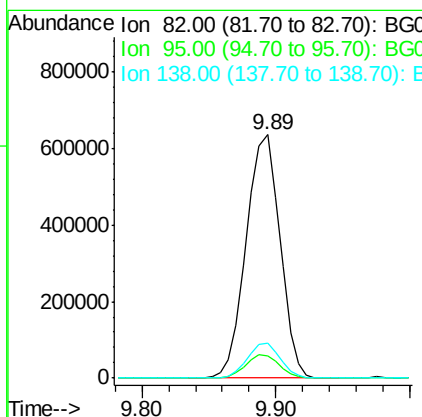
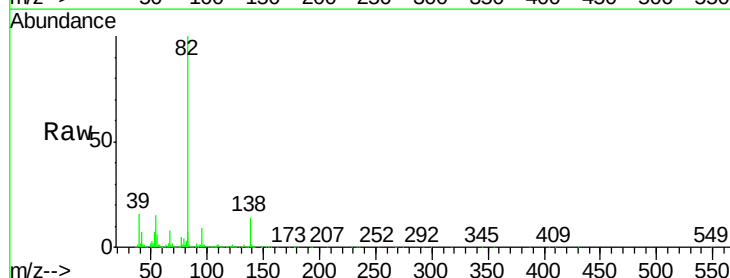
Manual Integrations
 APPROVED

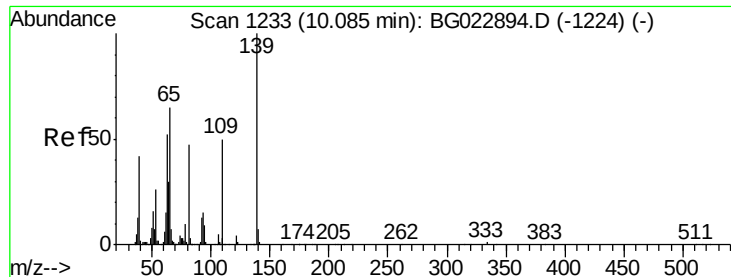
sohil
 7/12/2016 7:33:38 PM



#25
 Isophorone
 Concen: 45.12 ng
 RT: 9.89 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.1	8.2	12.2
138	14.5	10.7	16.1





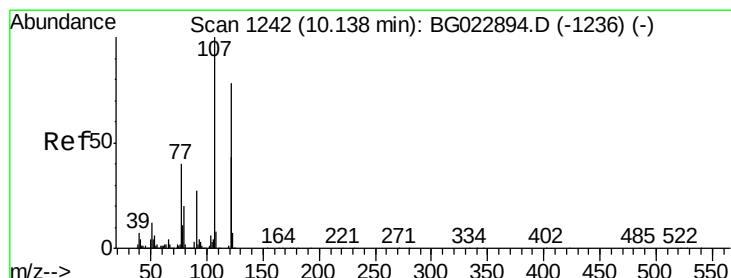
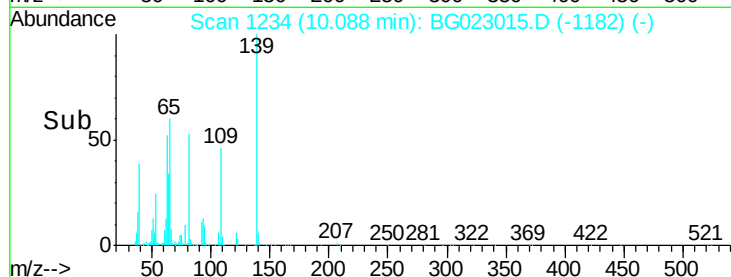
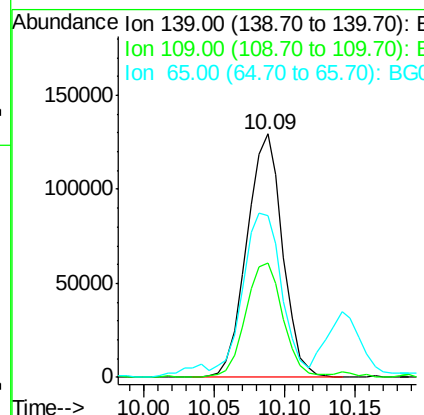
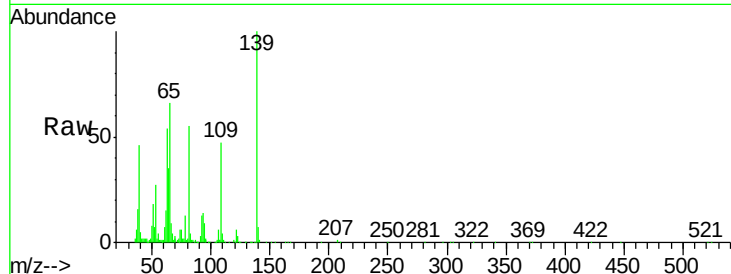
#26
2-Nitrophenol
Concen: 44.94 ng
RT: 10.09 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	229916		
109	46.8	43.5	65.3	
65	66.3	64.3	96.5	

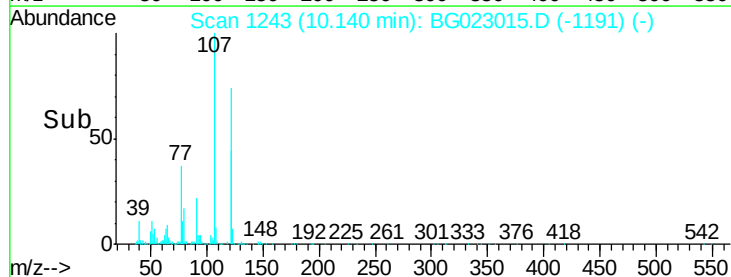
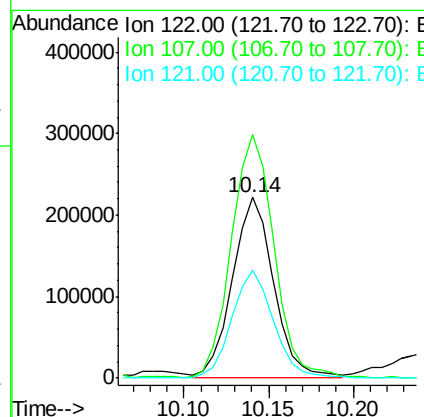
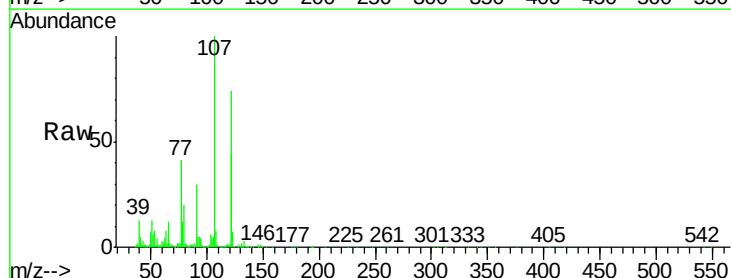
Manual Integrations
APPROVED

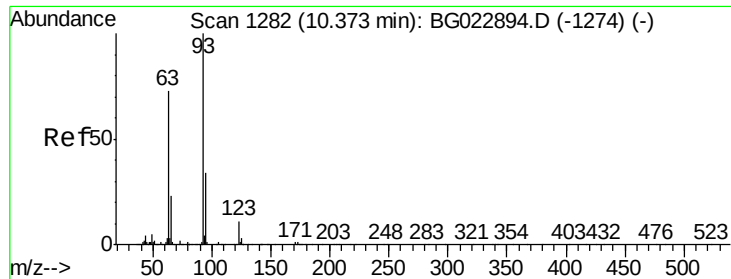
sohil
7/12/2016 7:33:38 PM



#27
2,4-Dimethylphenol
Concen: 42.74 ng
RT: 10.14 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	378060		
107	134.9	117.0	175.4	
121	59.5	50.1	75.1	





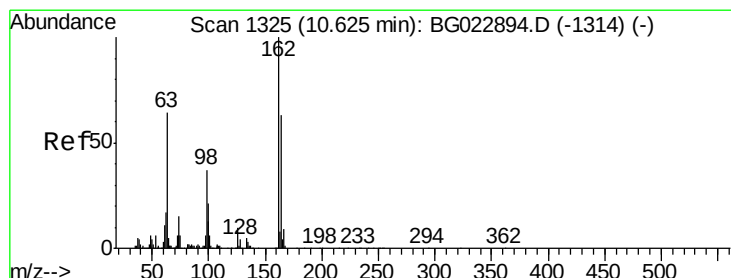
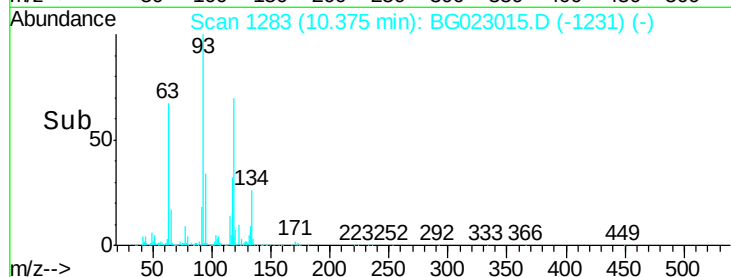
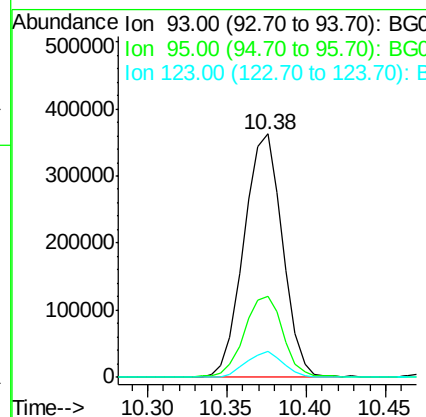
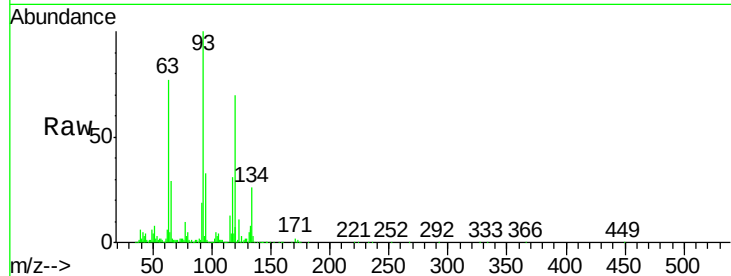
#28
 bis(2-Chloroethoxy)methane
 Concen: 44.35 ng
 RT: 10.38 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.4	38.2
123	10.6	8.2	12.2

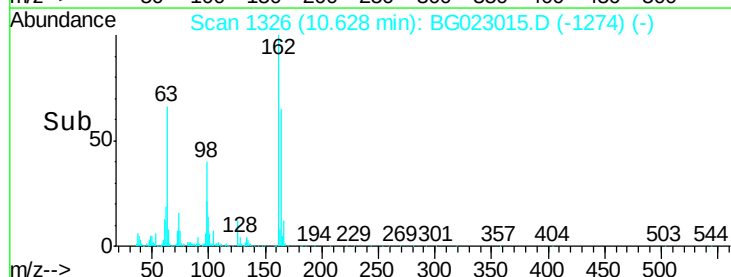
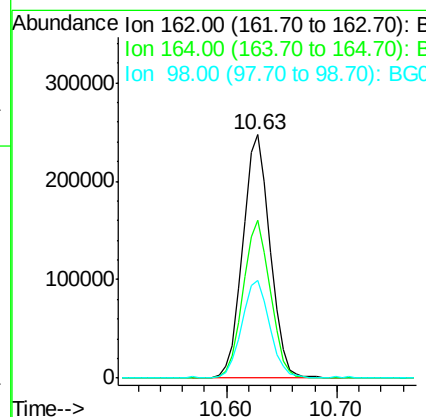
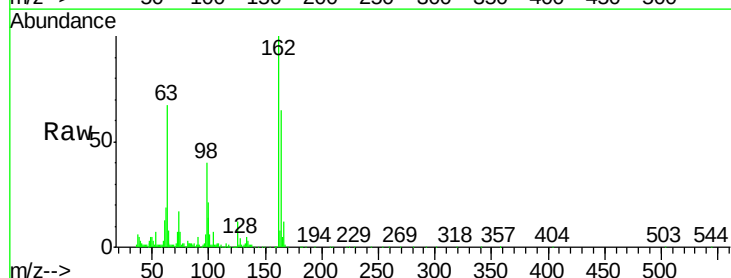
Manual Integrations
 APPROVED

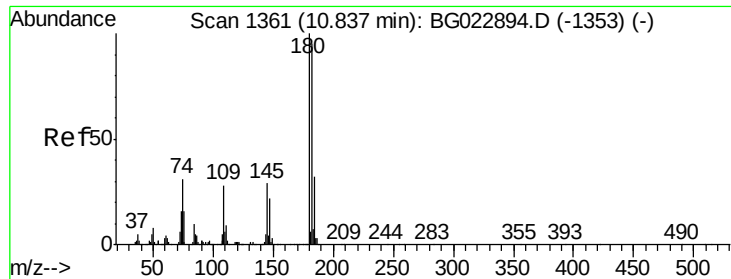
sohil
 7/12/2016 7:33:38 PM



#29
 2,4-Dichlorophenol
 Concen: 45.70 ng
 RT: 10.63 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	40.0	19.5	59.5





#30

1,2,4-Trichlorobenzene

Concen: 38.97 ng

RT: 10.84 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

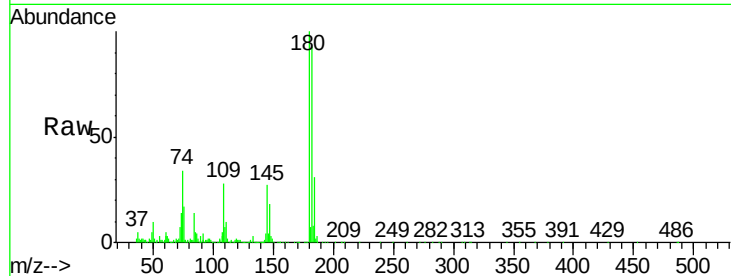
ClientSampleId :

S22-0005MSD

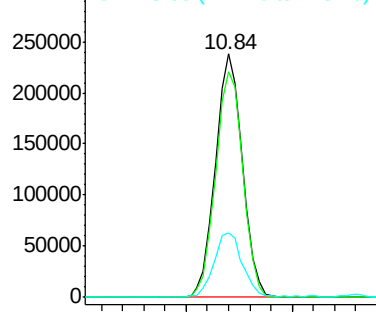
Tot Ion:	180	Resp:	421201
Ion Ratio	Lower	Upper	
180	100		
182	92.8	73.8	110.8
145	26.5	24.4	36.6

Manual Integrations
APPROVED

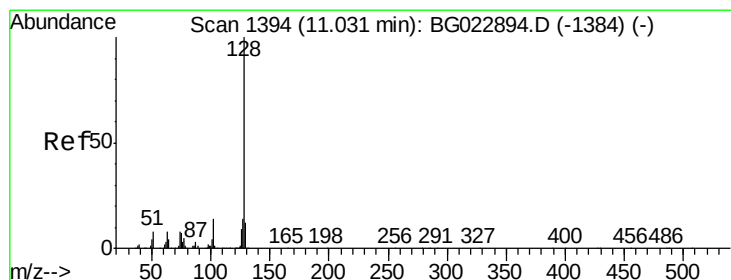
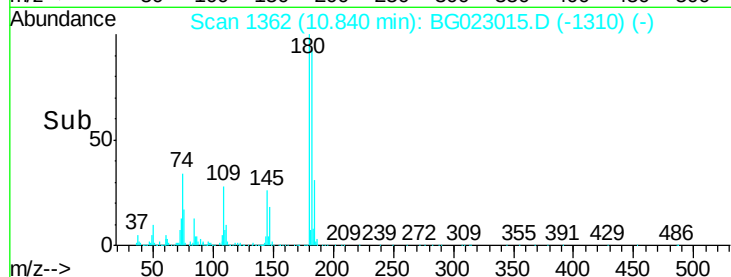
sohil
7/12/2016 7:33:38 PM



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E



Time-->



#31

Naphthalene

Concen: 81.77 ng

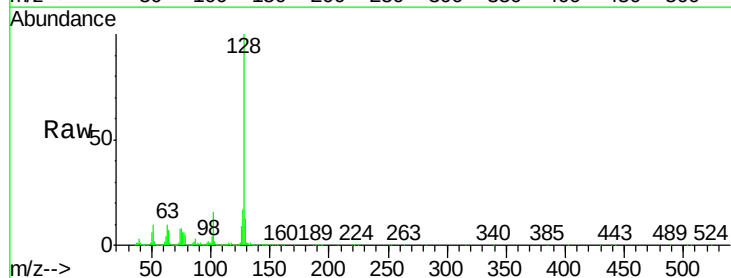
RT: 11.03 min Scan# 1395

Delta R.T. 0.00 min

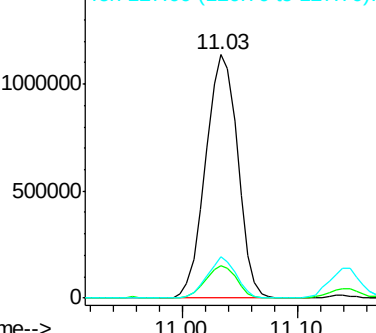
Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

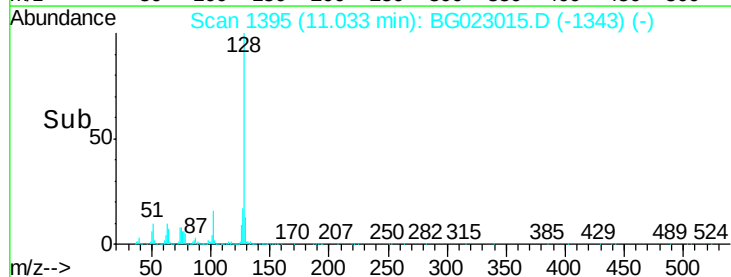
Tgt Ion:	128	Resp:	2187296
Ion Ratio	Lower	Upper	
128	100		
129	13.3	9.4	14.0
127	16.9	11.3	16.9

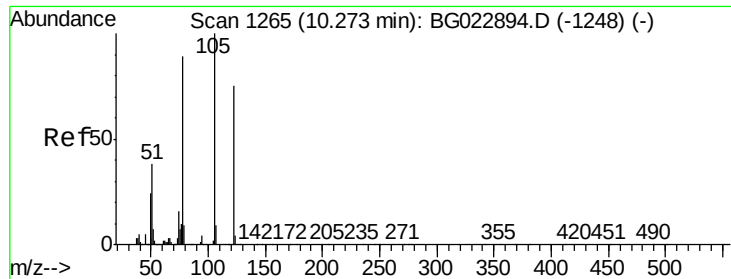


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





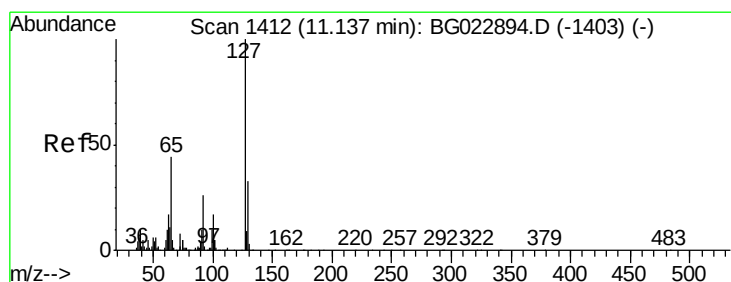
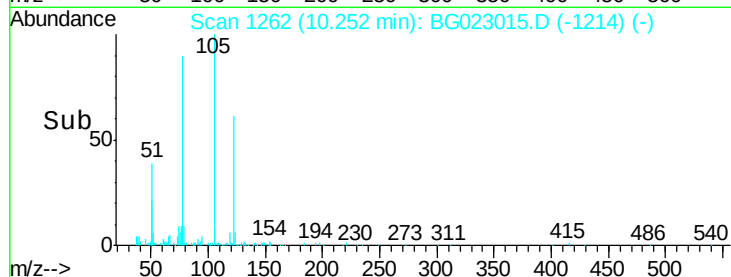
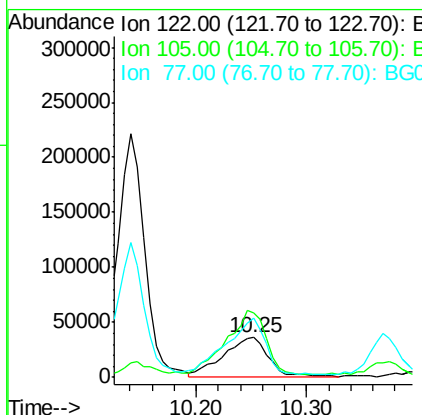
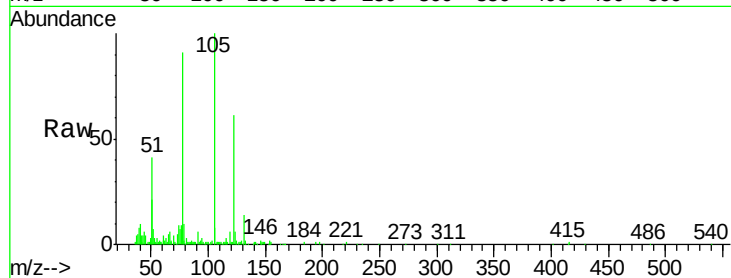
#32
Benzoic acid
Concen: 12.54 ng
RT: 10.25 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
122	100		
105	162.9	117.2	157.2#
77	147.9	109.2	149.2

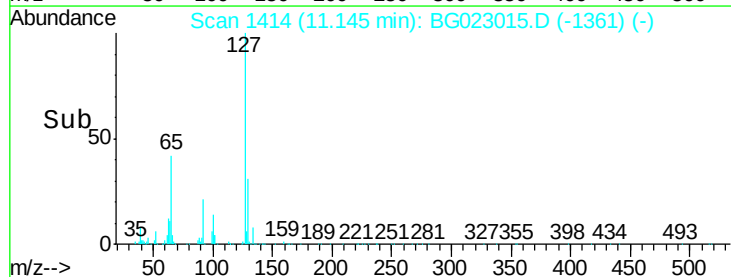
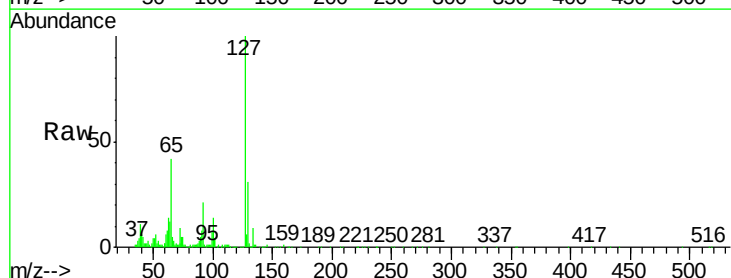
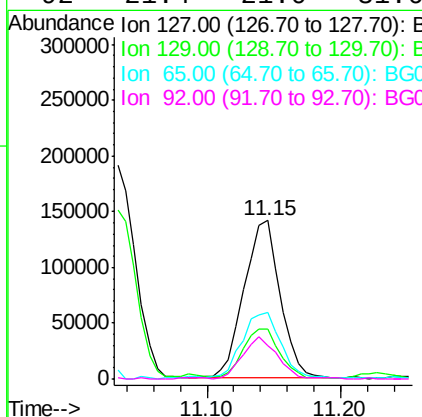
Manual Integrations
APPROVED

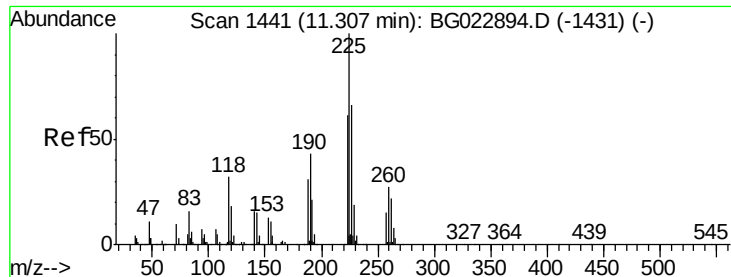
sohil
7/12/2016 7:33:38 PM



#33
4-Chloroaniline
Concen: 20.08 ng
RT: 11.15 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.1	27.9	41.9
65	42.1	36.8	55.2
92	21.4	21.0	31.6





#34

Hexachlorobutadiene

Concen: 34.16 ng

RT: 11.31 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

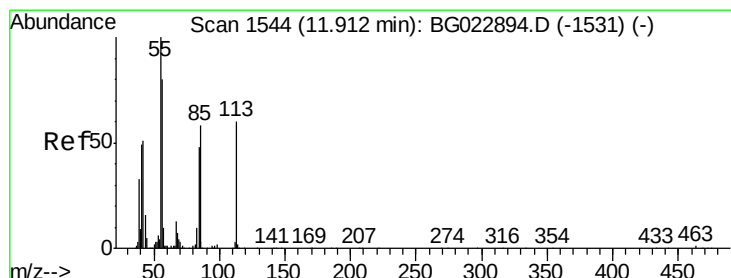
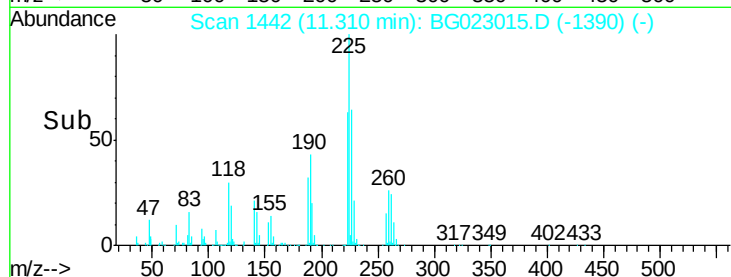
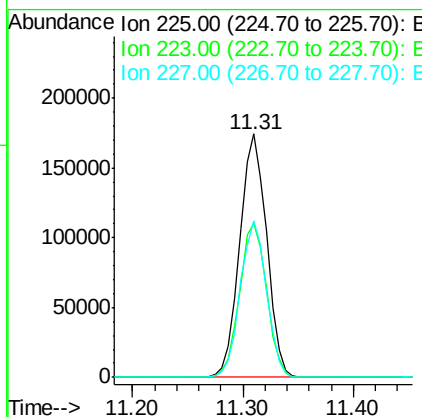
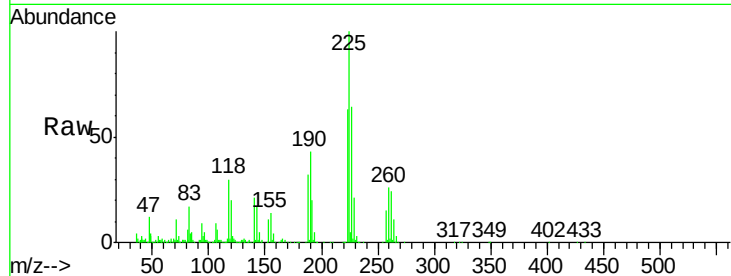
ClientSampleId :

S22-0005MSD

Tot Ion:	225	Resp:	299302
Ion Ratio	Lower	Upper	
225	100		
223	63.5	49.6	74.4
227	64.4	54.5	81.7

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



#35

Caprolactam

Concen: 9.32 ng m

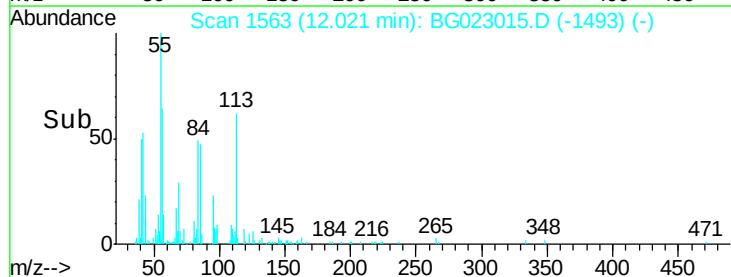
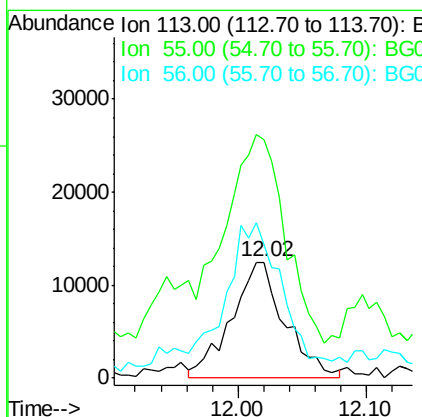
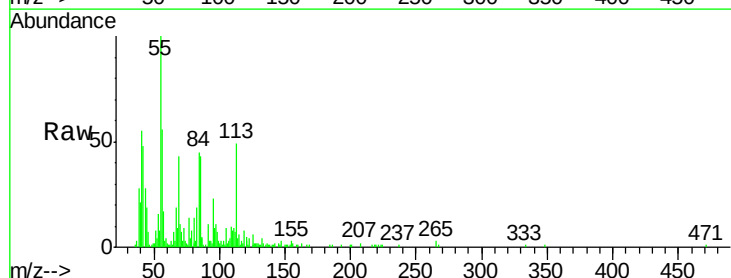
RT: 12.02 min Scan# 1563

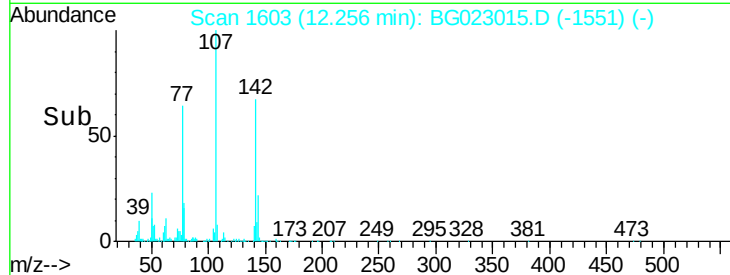
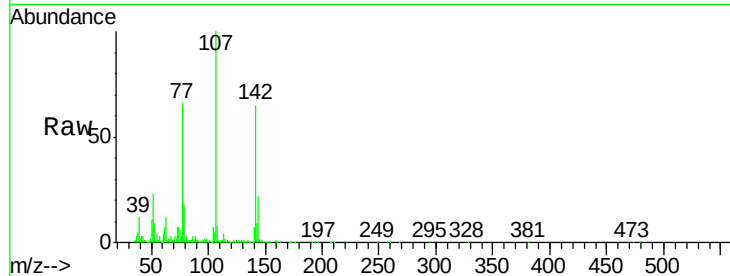
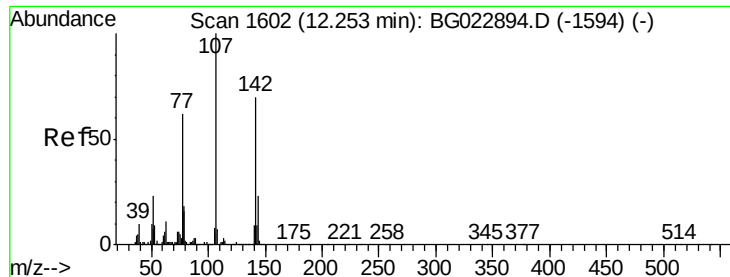
Delta R.T. 0.11 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion:	113	Resp:	36183
Ion Ratio	Lower	Upper	
113	100		
55	205.4	154.5	194.5#
56	115.3	125.1	165.1#





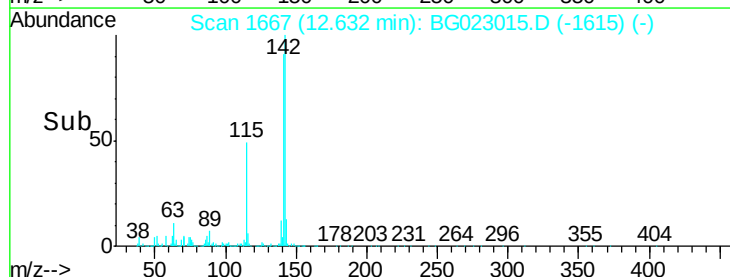
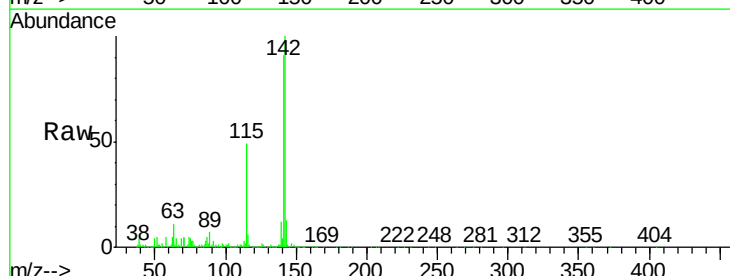
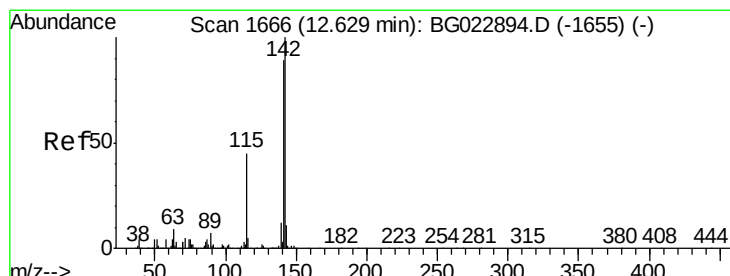
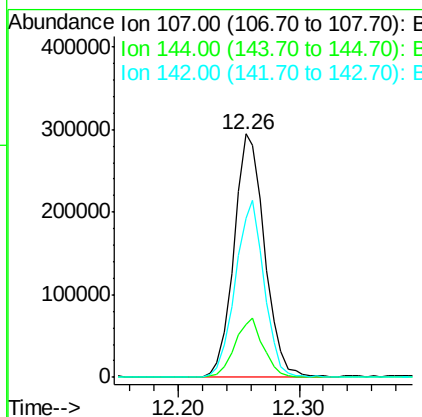
#36
 4-Chloro-3-methylphenol
 Concen: 40.24 ng
 RT: 12.26 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion:	107	Resp:	519198
Ion Ratio	Lower	Upper	
107	100		
144	21.7	17.0	25.6
142	65.5	53.0	79.6

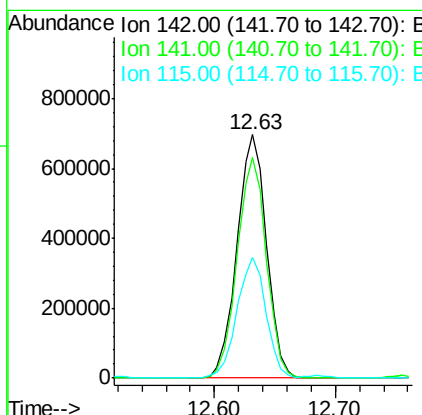
Manual Integrations
 APPROVED

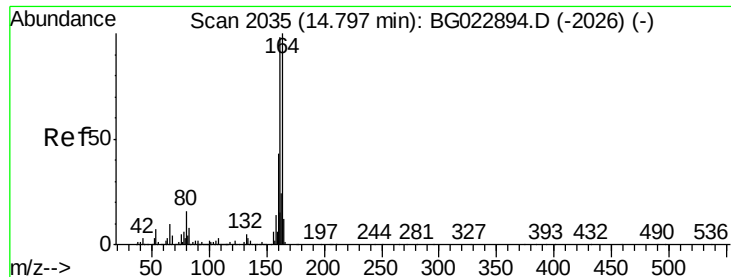
sohil
 7/12/2016 7:33:38 PM



#37
 2-Methylnaphthalene
 Concen: 55.98 ng
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion:	142	Resp:	1183526
Ion Ratio	Lower	Upper	
142	100		
141	90.6	70.2	105.2
115	49.3	41.7	62.5





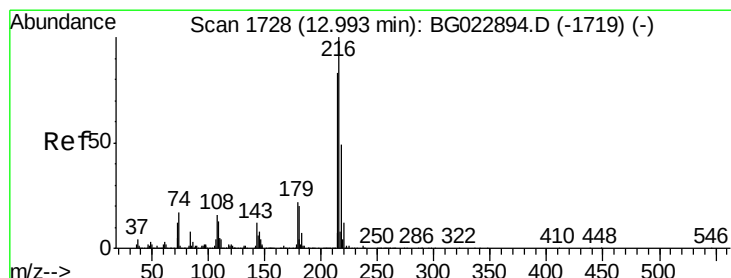
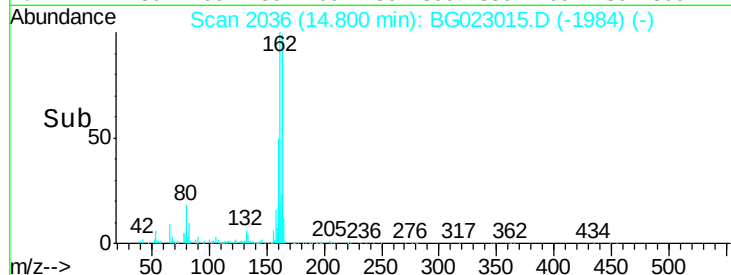
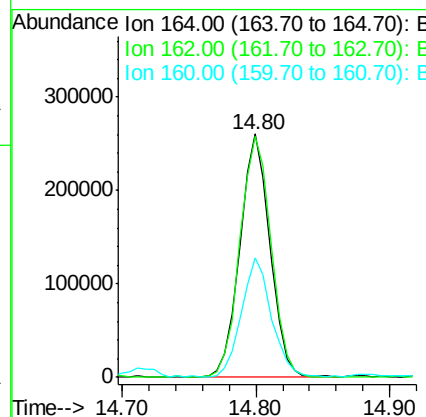
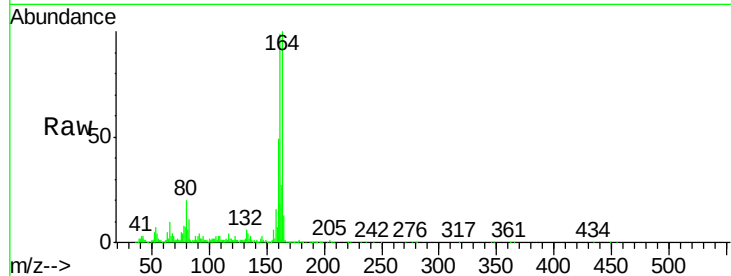
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	87.7	131.5
160	49.2	37.2	55.8

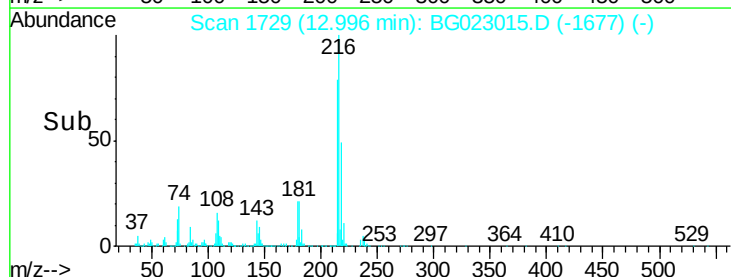
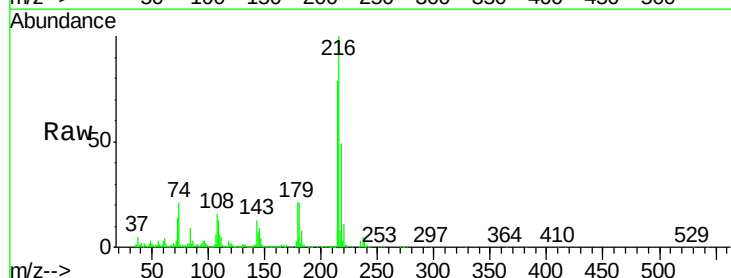
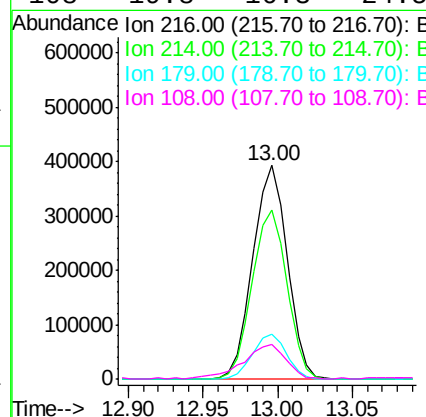
Manual Integrations
APPROVED

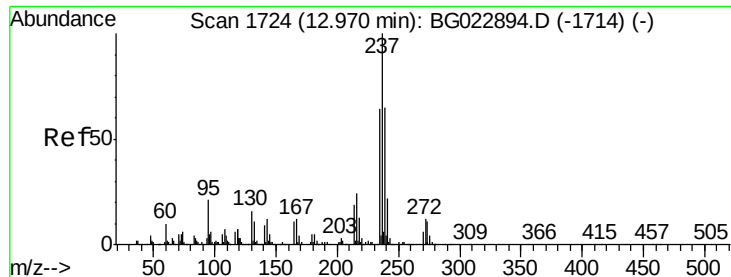
sohil
7/12/2016 7:33:38 PM



#39
1,2,4,5-Tetrachlorobenzene
Concen: 36.09 ng
RT: 13.00 min Scan# 1729
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.1	62.9	94.3
179	20.8	17.2	25.8
108	19.8	16.3	24.5





#40

Hexachlorocyclopentadiene

Concen: 64.04 ng

RT: 12.97 min Scan# 1725

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

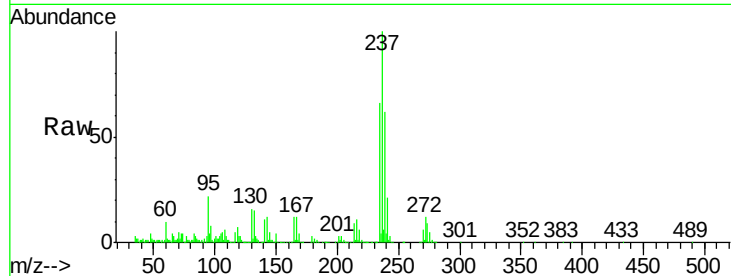
ClientSampleId :

S22-0005MSD

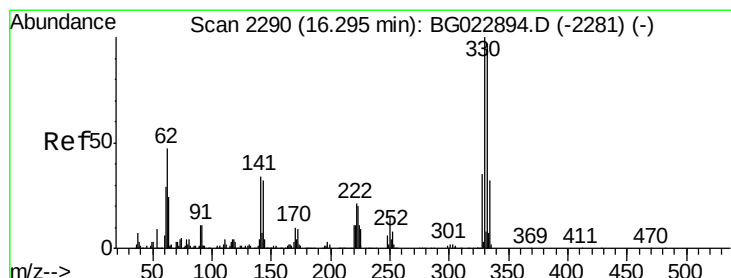
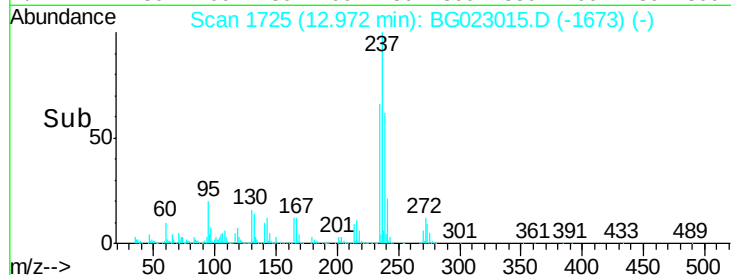
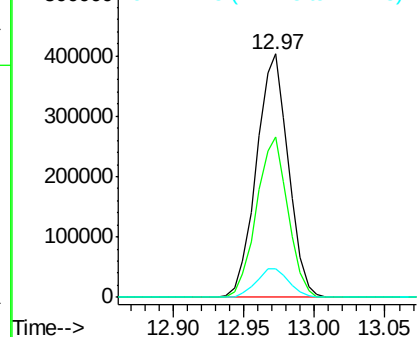
Tot Ion:	237	Resp:	639161
Ion Ratio	Lower	Upper	
237	100		
235	65.7	43.1	83.1
272	11.9	0.0	30.9

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 110.01 ng

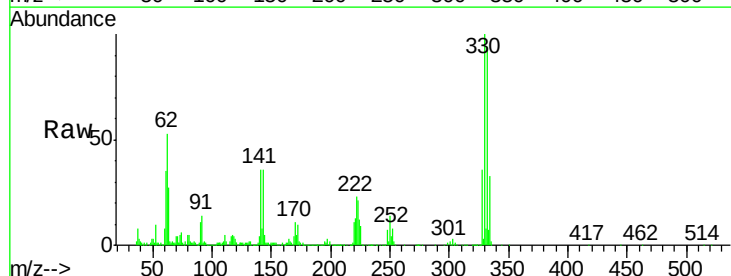
RT: 16.30 min Scan# 2291

Delta R.T. 0.00 min

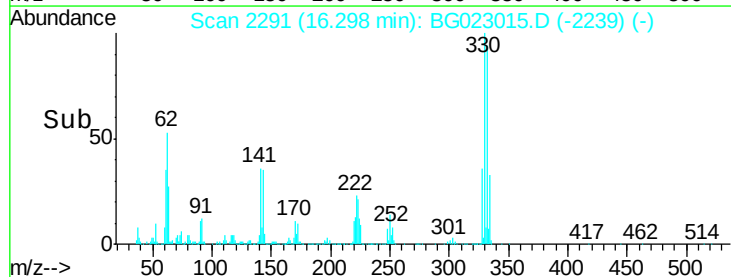
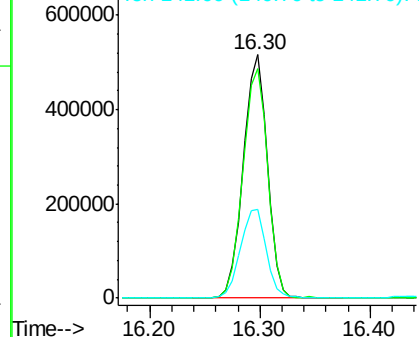
Lab File: BG023015.D

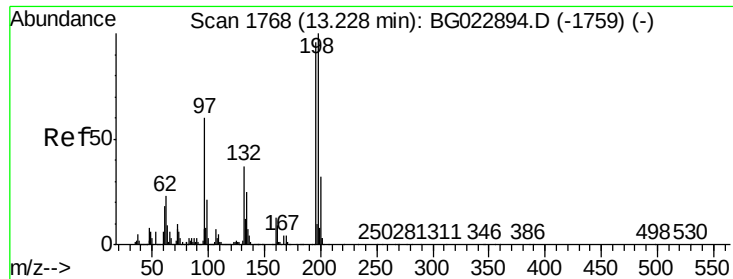
Acq: 12 Jul 2016 00:38

Tgt Ion:	330	Resp:	795411
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.2
141	38.8	31.7	47.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





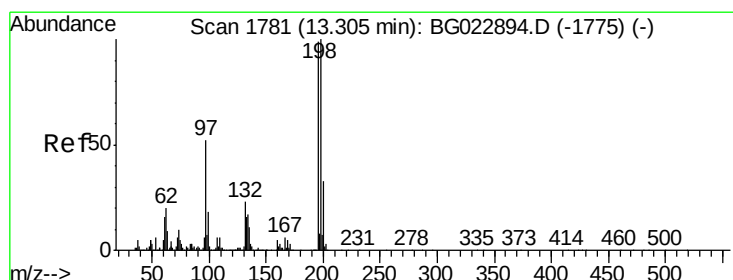
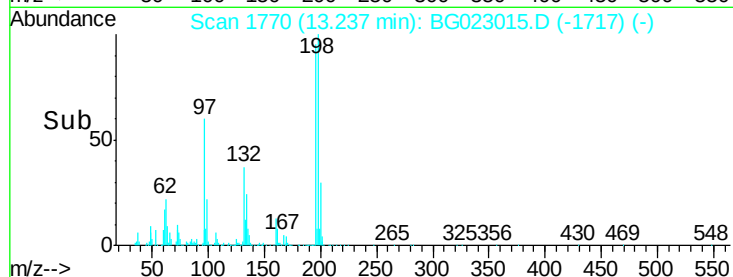
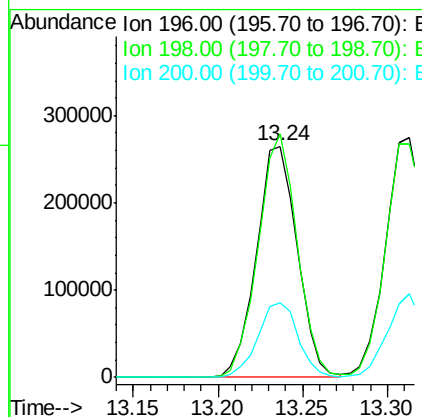
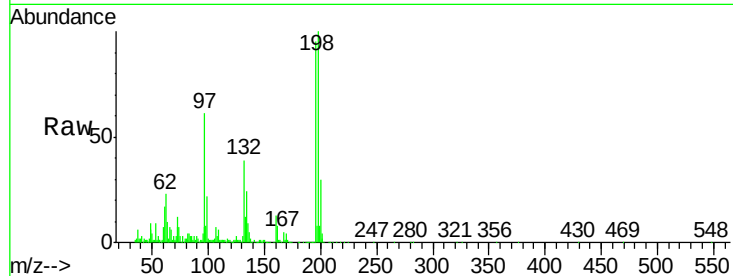
#42
2,4,6-Trichlorophenol
Concen: 44.47 ng
RT: 13.24 min Scan# 1770
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	443096		
198	105.5	78.2	117.2	
200	32.1	27.0	40.4	

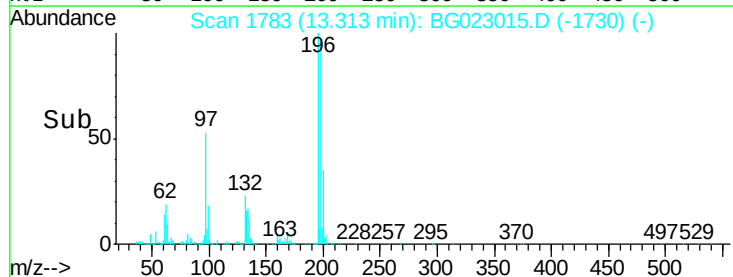
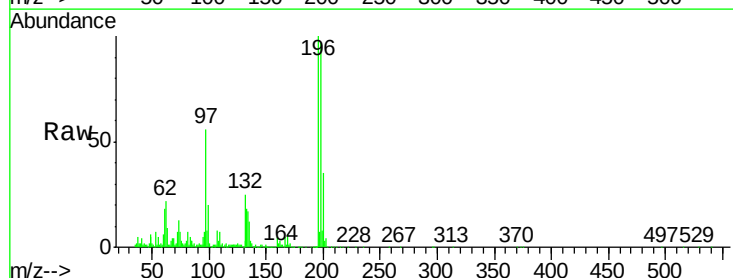
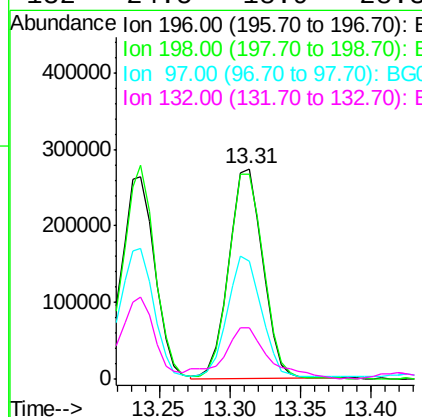
Manual Integrations
APPROVED

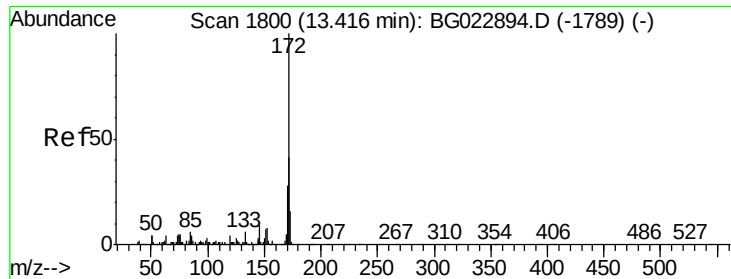
sohil
7/12/2016 7:33:38 PM



#43
2,4,5-Trichlorophenol
Concen: 45.04 ng
RT: 13.31 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	460885		
198	97.4	85.7	128.5	
97	56.1	45.5	68.3	
132	24.5	18.9	28.3	





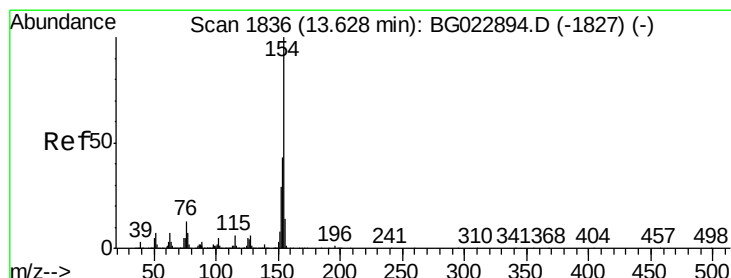
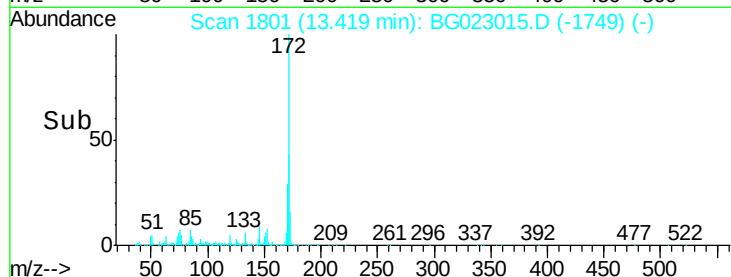
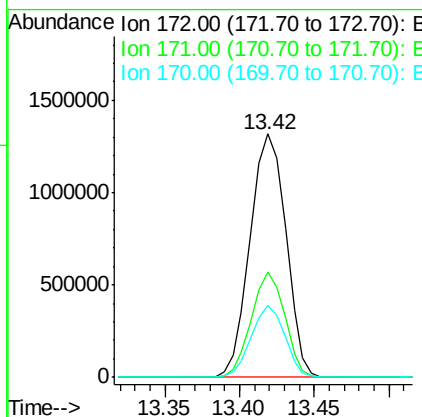
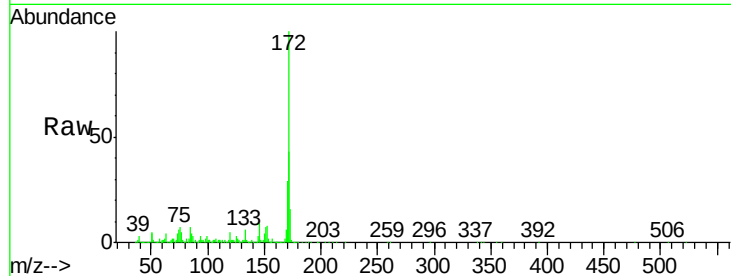
#44
2-Fluorobiphenyl
Concen: 85.79 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.0	31.6	47.4
170	29.5	21.3	31.9

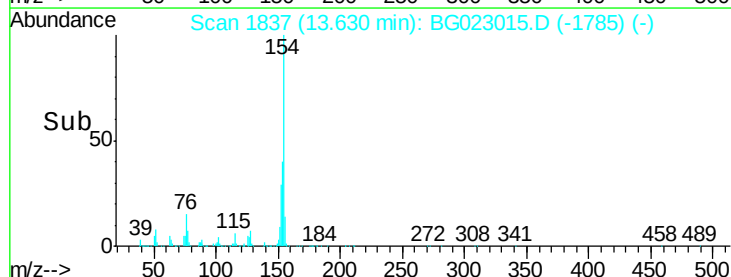
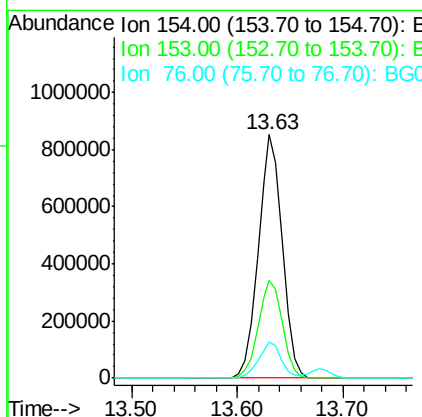
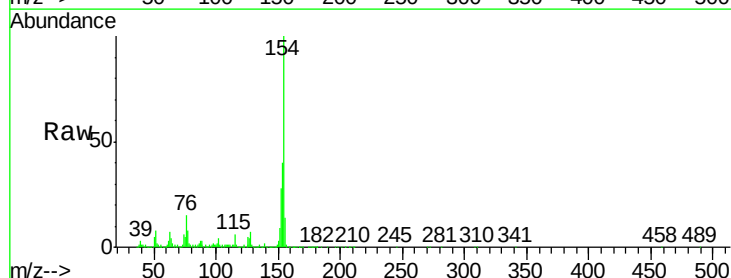
Manual Integrations
APPROVED

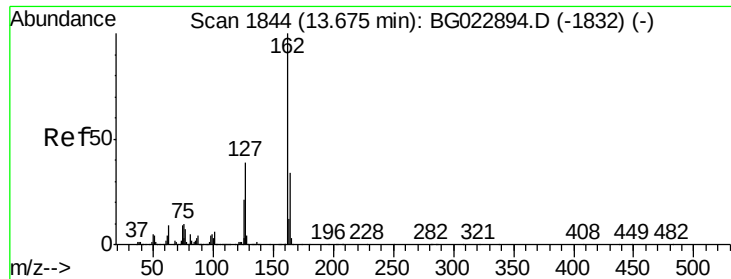
sohil
7/12/2016 7:33:38 PM



#45
1,1'-Biphenyl
Concen: 44.31 ng
RT: 13.63 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	14.7	0.0	32.9





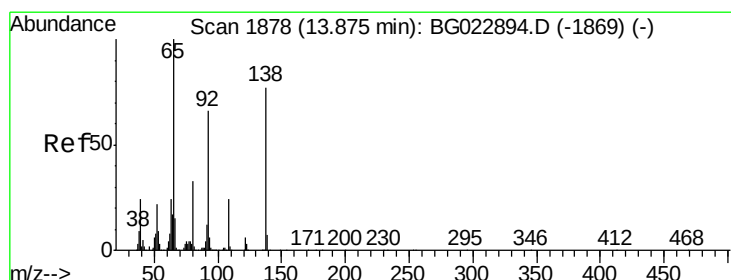
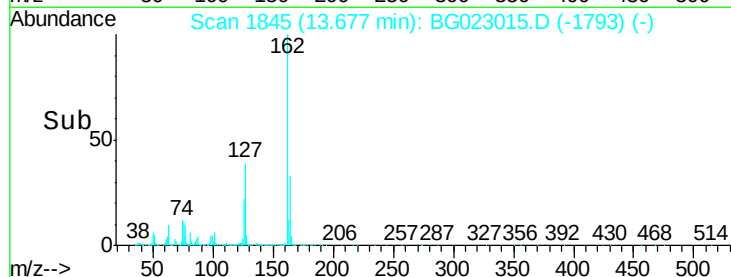
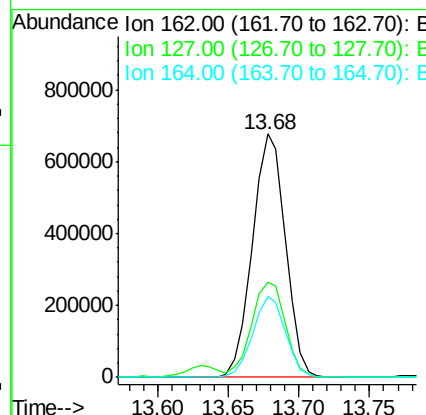
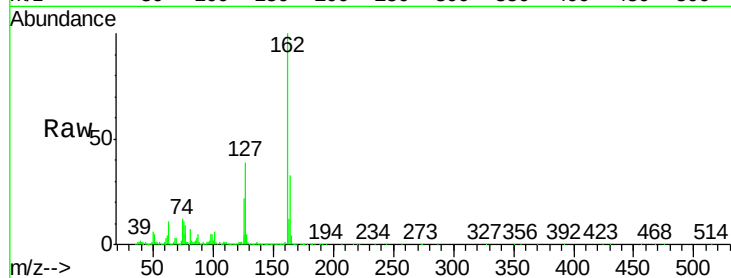
#46
 2-Chloronaphthalene
 Concen: 45.40 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.4	48.6
164	33.0	25.2	37.8

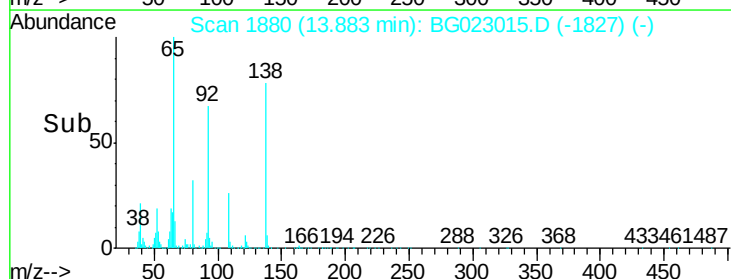
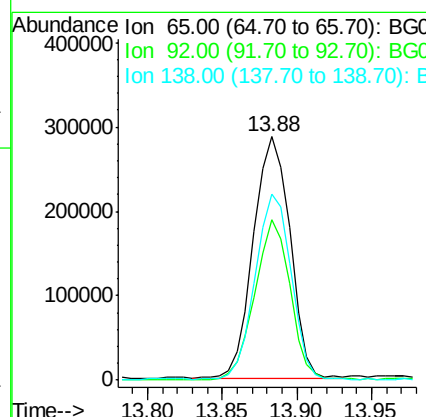
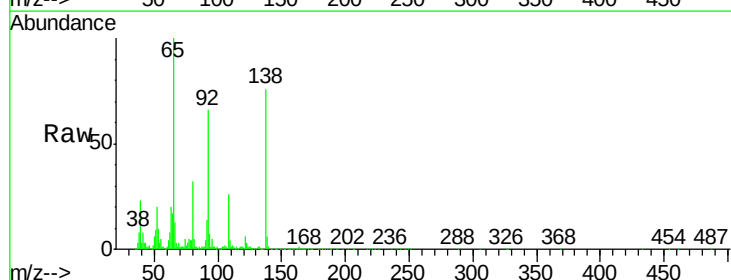
Manual Integrations
 APPROVED

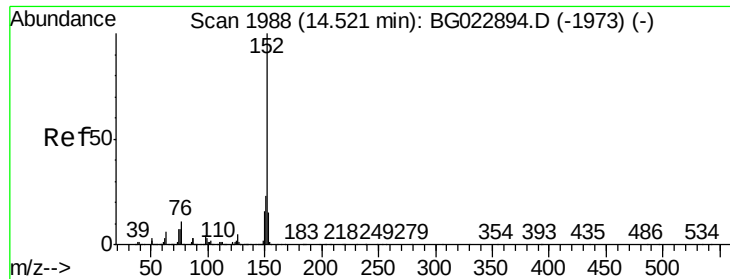
sohil
 7/12/2016 7:33:38 PM



#47
 2-Nitroaniline
 Concen: 46.46 ng
 RT: 13.88 min Scan# 1880
 Delta R.T. 0.01 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.9	49.4	74.0
138	76.4	58.0	87.0





#48

Acenaphthylene

Concen: 44.45 ng

RT: 14.52 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:152 Resp: 1632779

Ion Ratio Lower Upper

152 100

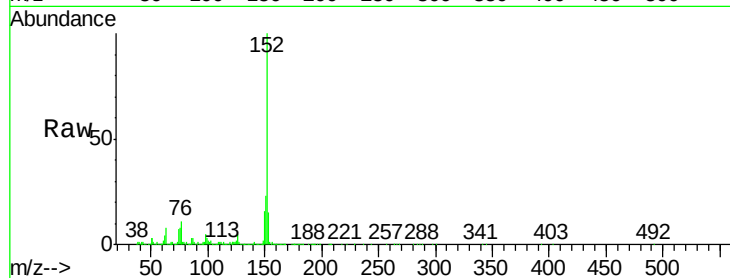
151 22.7 17.6 26.4

153 15.2 11.4 17.2

Manual Integrations
APPROVED

sohil

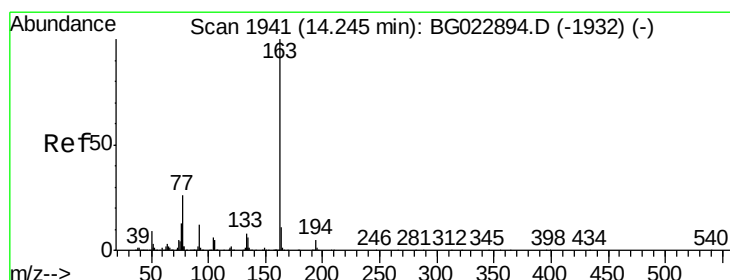
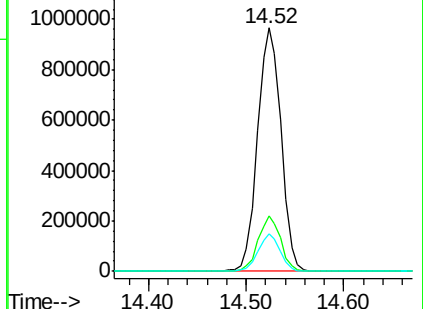
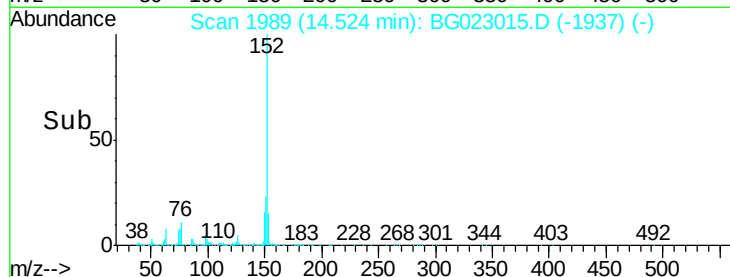
7/12/2016 7:33:38 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 46.94 ng

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

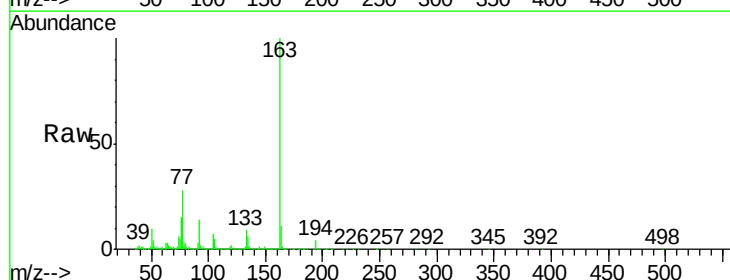
Tgt Ion:163 Resp: 1542620

Ion Ratio Lower Upper

163 100

194 4.2 3.6 5.4

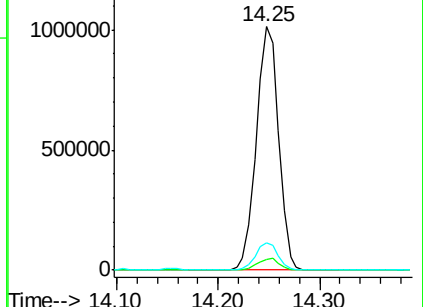
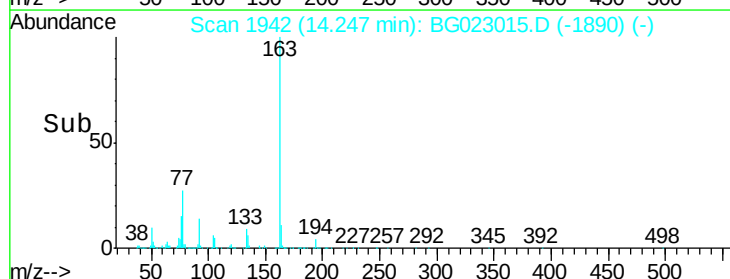
164 11.4 8.1 12.1

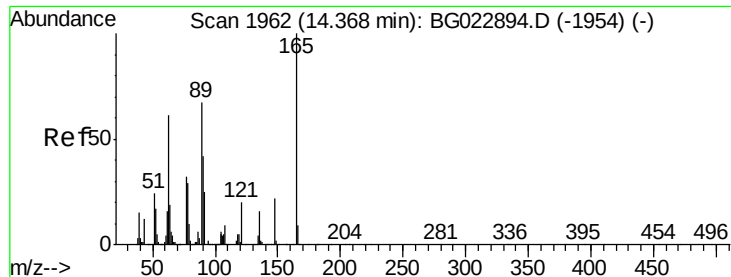


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





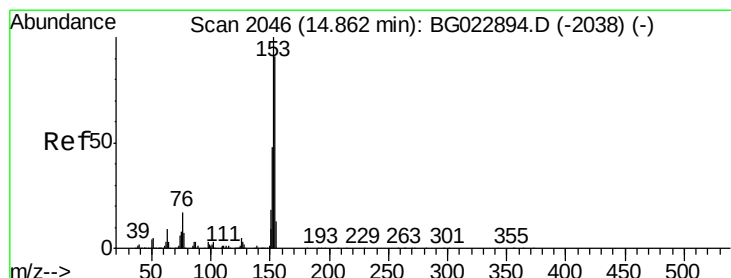
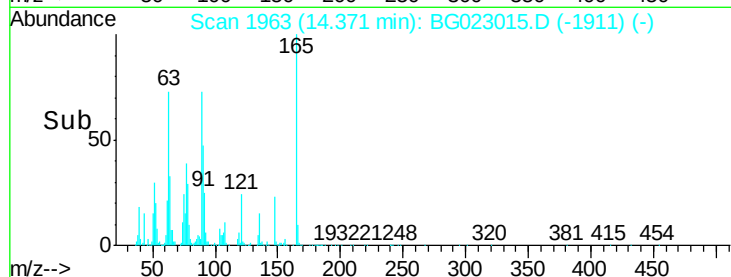
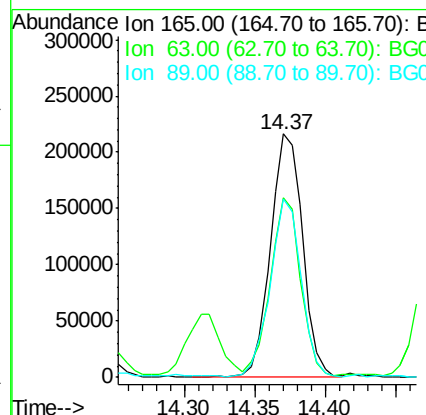
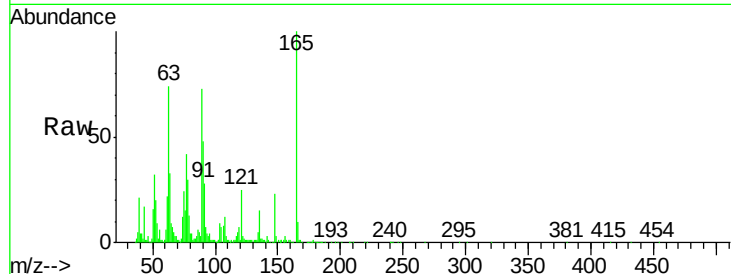
#50
2,6-Dinitrotoluene
Concen: 46.35 ng
RT: 14.37 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	73.7	64.3	96.5
89	73.4	64.3	96.5

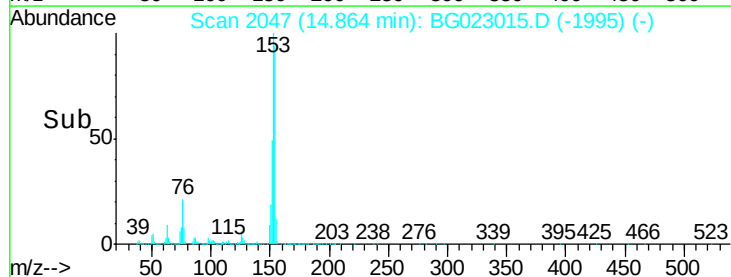
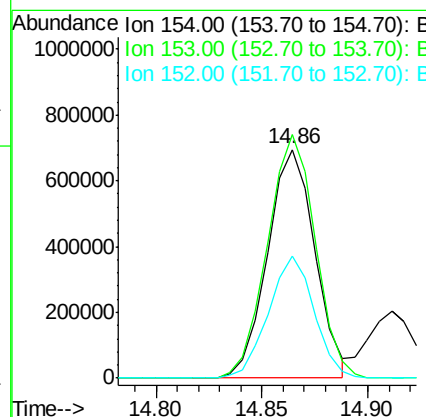
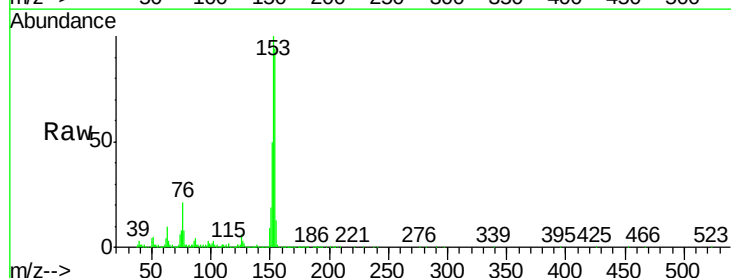
Manual Integrations
APPROVED

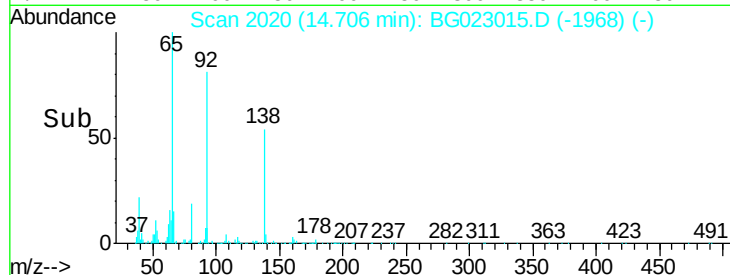
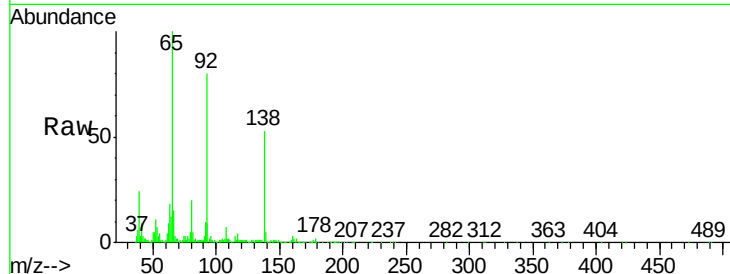
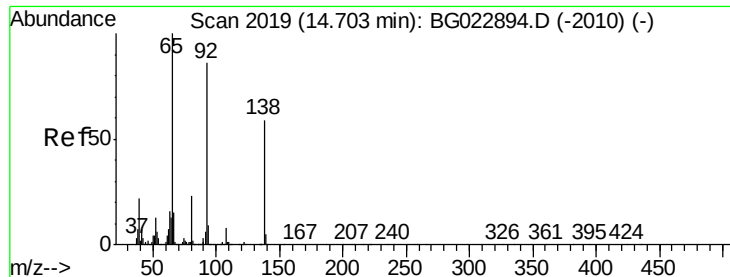
sohil
7/12/2016 7:33:38 PM



#51
Acenaphthene
Concen: 45.06 ng
RT: 14.86 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	106.6	87.5	131.3
152	53.2	42.7	64.1





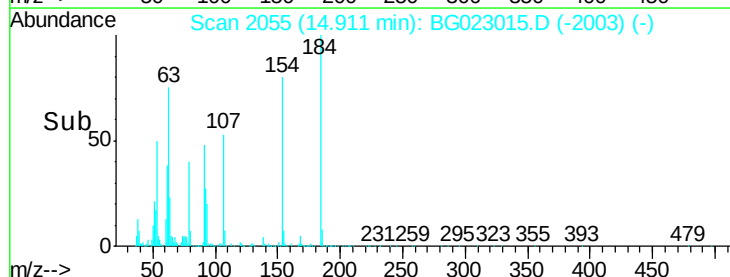
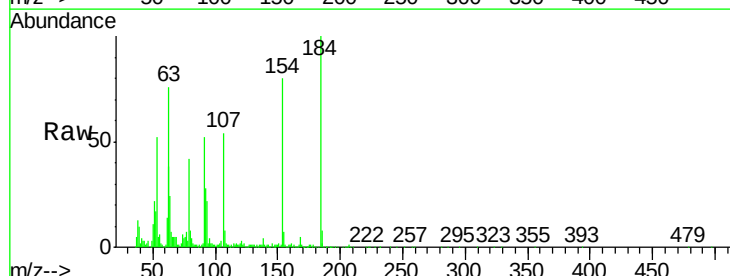
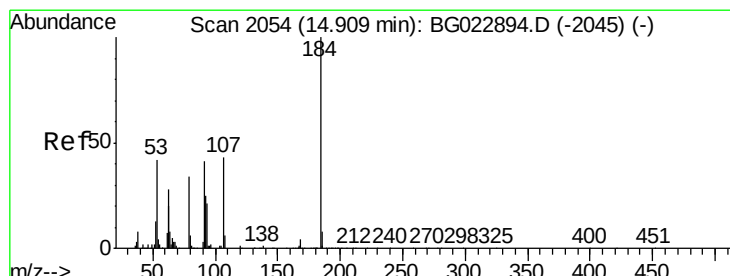
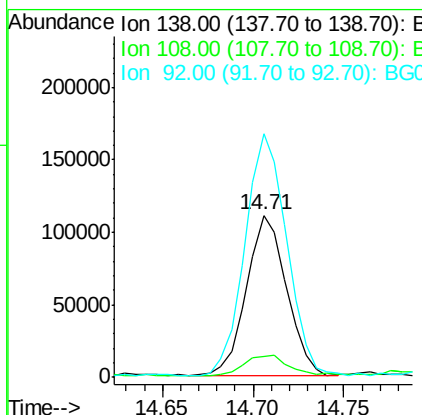
#52
3-Nitroaniline
Concen: 22.99 ng
RT: 14.71 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.8	11.7	17.5
92	150.5	129.7	194.5

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

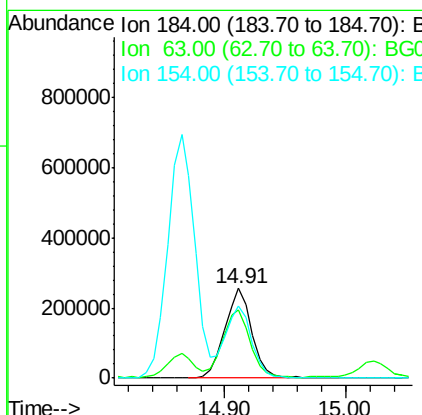
Manual Integrations
APPROVED

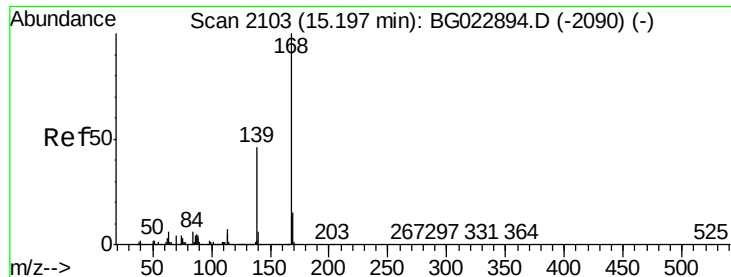
sohil
7/12/2016 7:33:38 PM



#53
2,4-Dinitrophenol
Concen: 77.93 ng
RT: 14.91 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.8	59.6	89.4
154	80.0	67.4	101.0





#54

Dibenzenofuran

Concen: 47.36 ng

RT: 15.20 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:168 Resp: 1701613

Ion Ratio Lower Upper

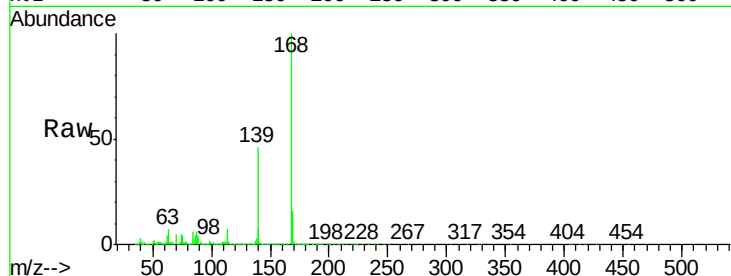
168 100

139 46.3 36.4 54.6

169 15.9 11.9 17.9

Manual Integrations
APPROVED

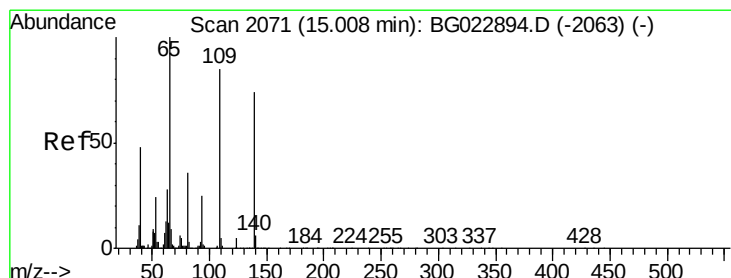
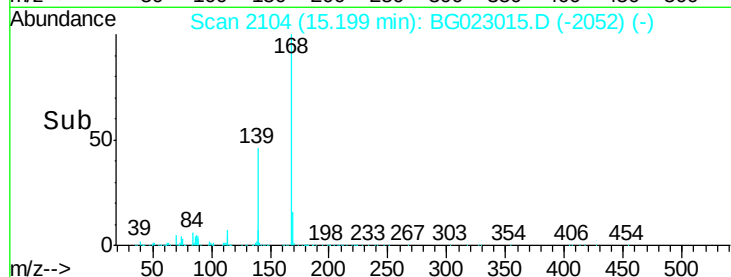
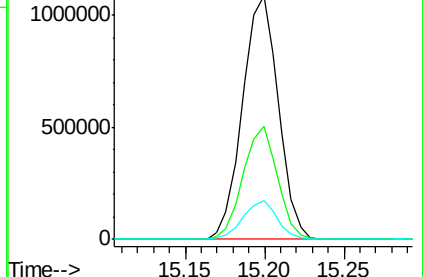
sohil
7/12/2016 7:33:38 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 31.83 ng

RT: 15.02 min Scan# 2074

Delta R.T. 0.01 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

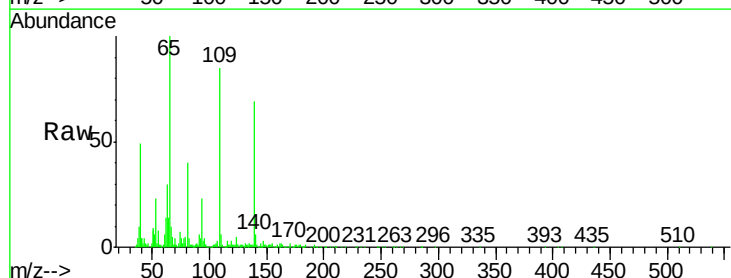
Tgt Ion:139 Resp: 196484

Ion Ratio Lower Upper

139 100

109 122.9 103.0 143.0

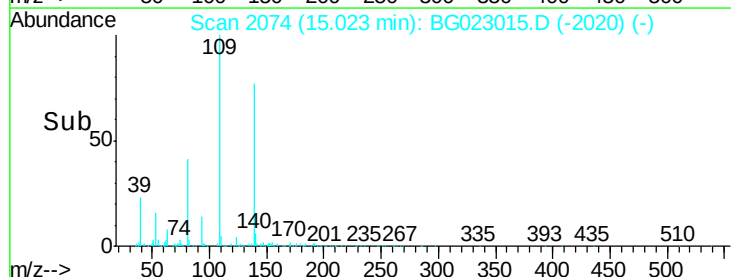
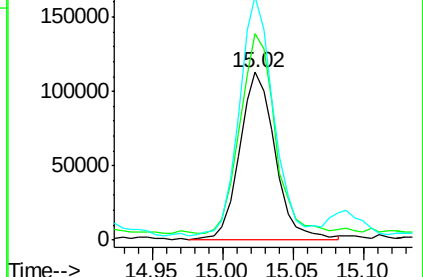
65 144.9 112.7 152.7

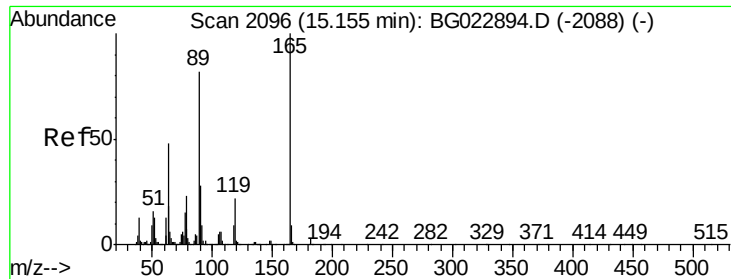


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 45.41 ng

RT: 15.16 min Scan# 2097

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

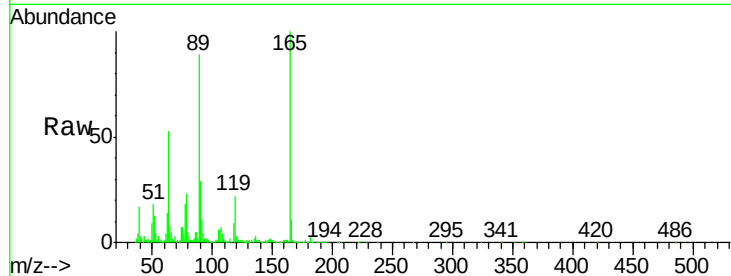
ClientSampleId :

S22-0005MSD

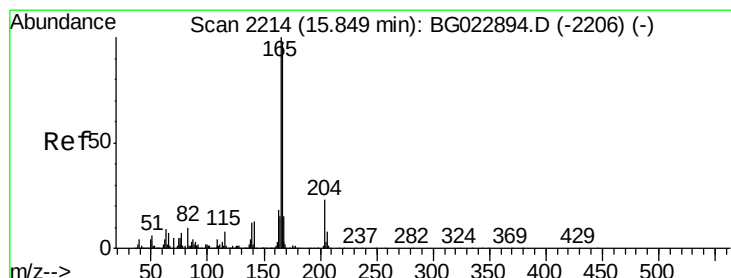
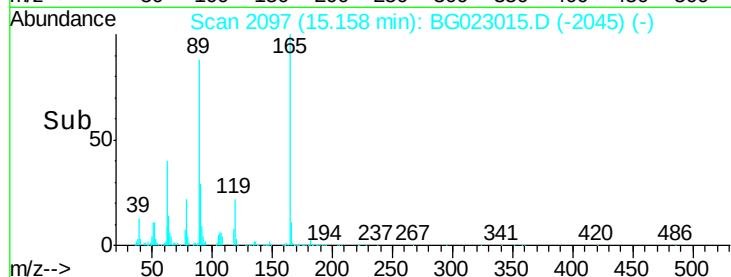
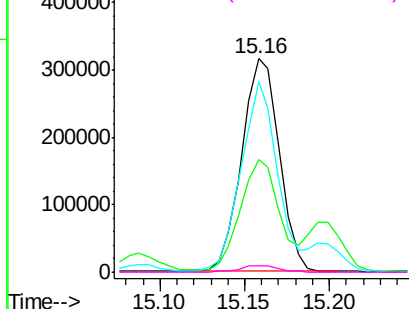
Tot Ion	Ratio	Lower	Upper
165	100		
63	53.0	45.8	68.6
89	89.3	68.6	102.8
182	3.2	2.0	3.0#

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 45.12 ng

RT: 15.85 min Scan# 2214

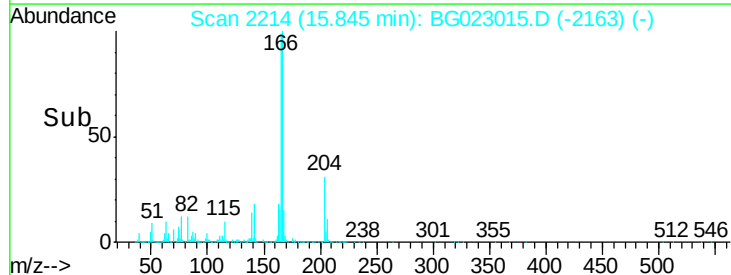
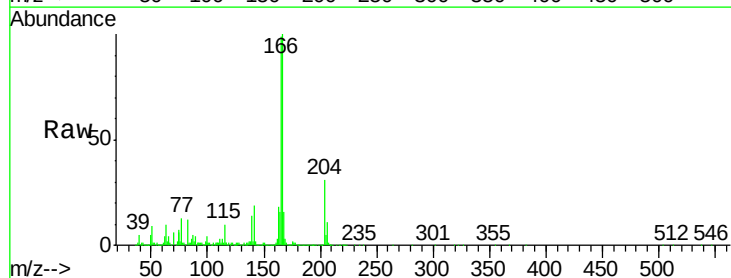
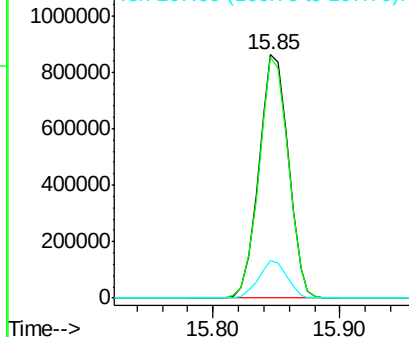
Delta R.T. -0.00 min

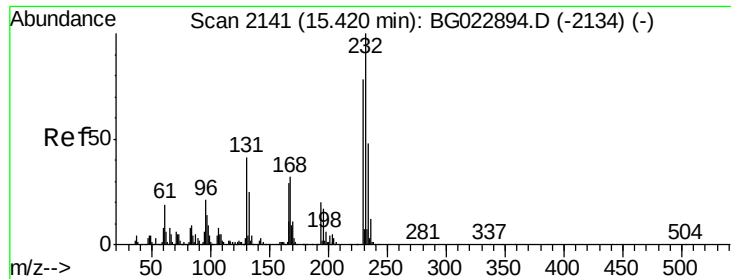
Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	81.0	121.6
167	15.5	12.0	18.0

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





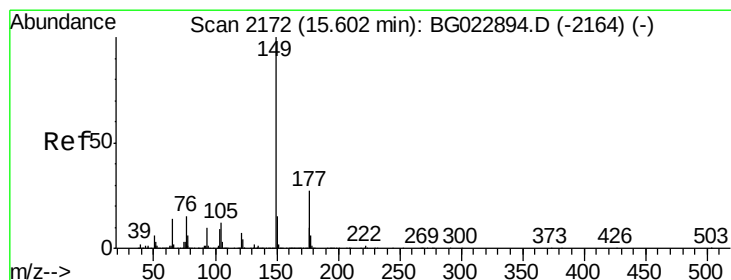
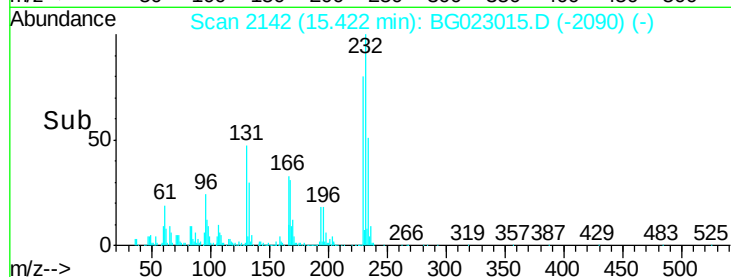
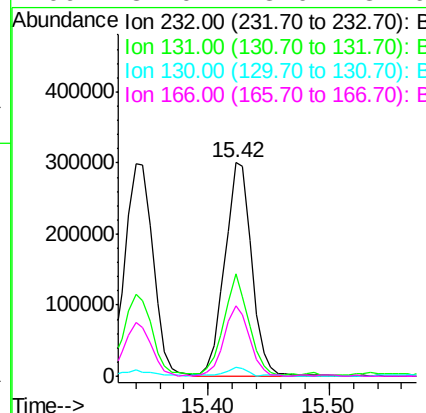
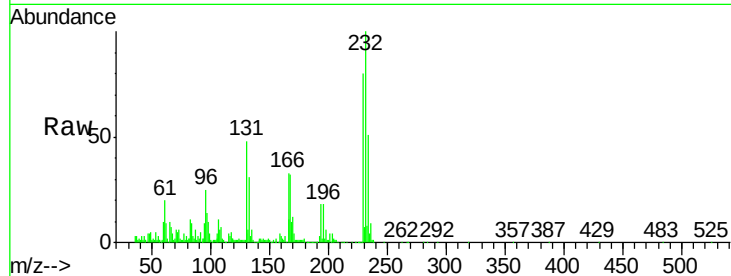
#58
2,3,4,6-Tetrachlorophenol
Concen: 45.26 ng
RT: 15.42 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.7	32.7	49.1
130	3.6	2.6	3.8
166	31.0	23.0	34.6

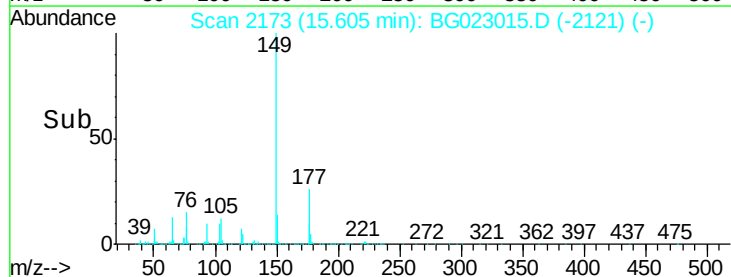
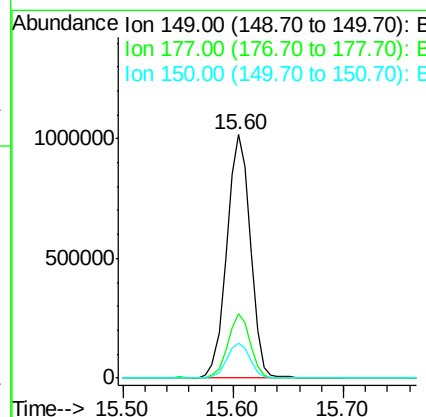
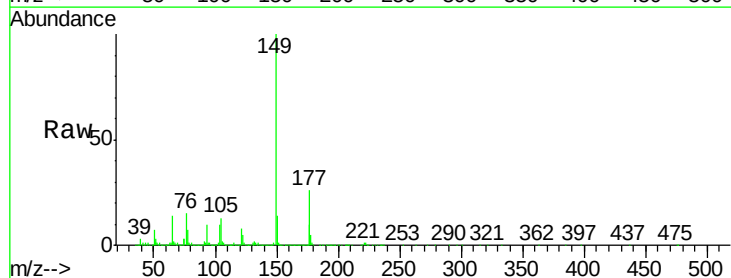
Manual Integrations
APPROVED

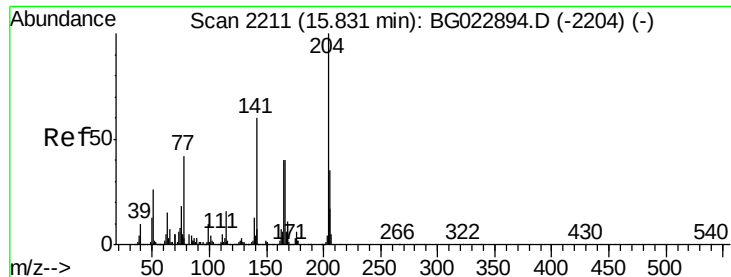
sohil
7/12/2016 7:33:38 PM



#59
Diethylphthalate
Concen: 45.13 ng
RT: 15.60 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
149	100		
177	26.4	19.2	28.8
150	14.2	10.6	16.0





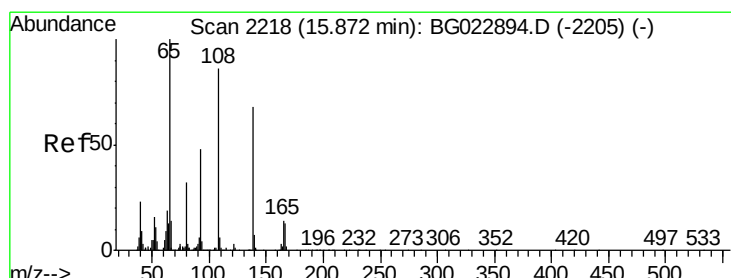
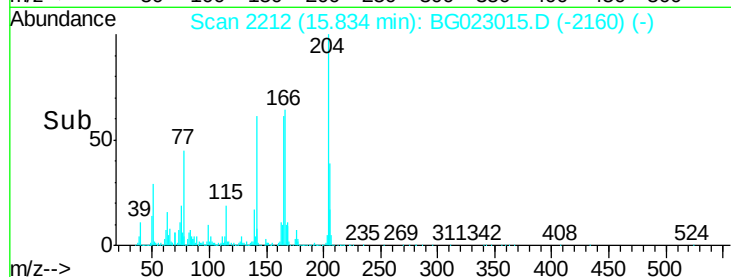
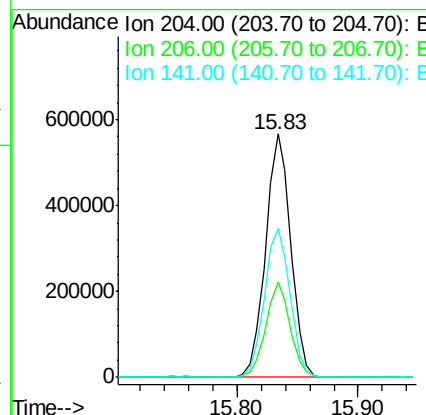
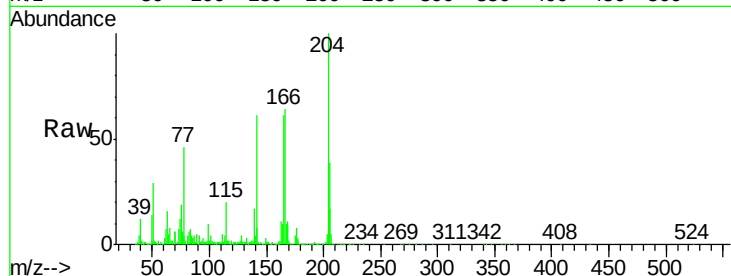
#60
4-Chlorophenyl-phenylether
Concen: 43.20 ng
RT: 15.83 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	39.0	28.5	42.7
141	61.1	51.4	77.0

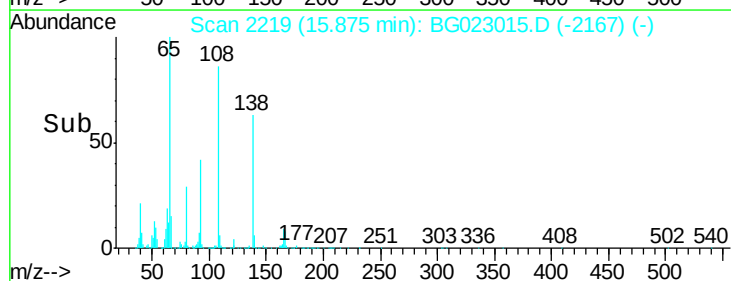
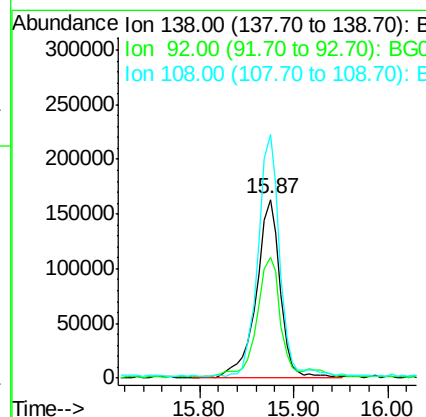
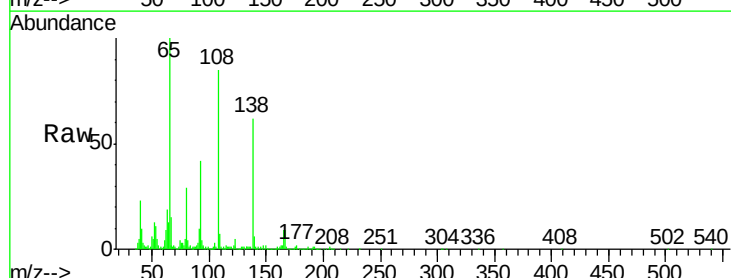
Manual Integrations
APPROVED

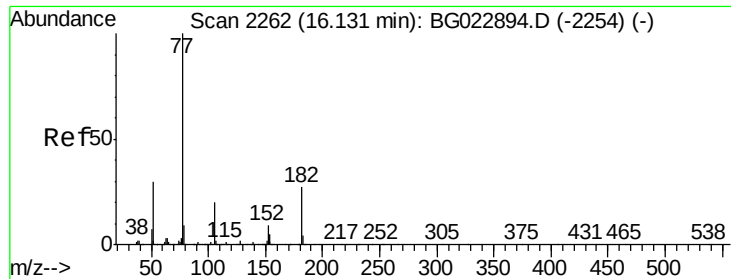
sohil
7/12/2016 7:33:38 PM



#61
4-Nitroaniline
Concen: 35.99 ng
RT: 15.87 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	67.5	54.1	94.1
108	136.3	133.9	173.9





#62

Azobenzene

Concen: 50.57 ng

RT: 16.13 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion: 77 Resp: 1617192

Ion Ratio Lower Upper

77 100

182 24.9 3.5 43.5

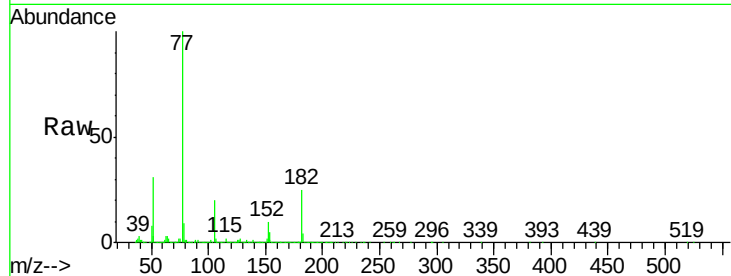
105 20.3 0.0 38.5

51 31.3 17.1 57.1

Manual Integrations
APPROVED

sohil

7/12/2016 7:33:38 PM

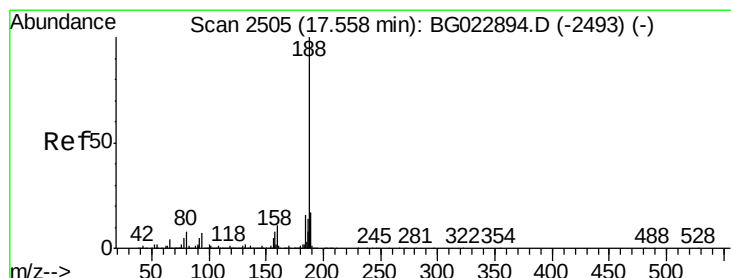
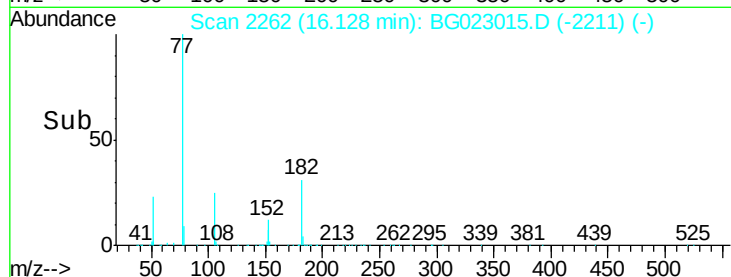
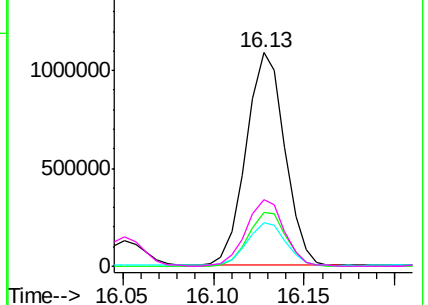


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion: 188 Resp: 896008

Ion Ratio Lower Upper

188 100

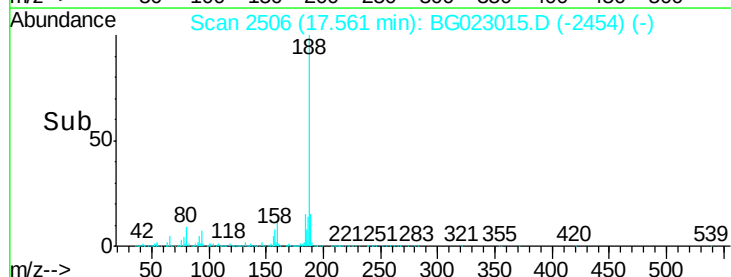
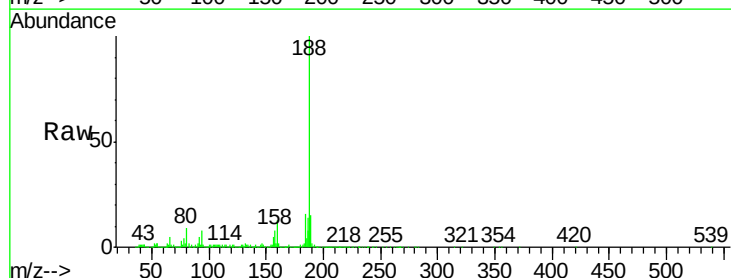
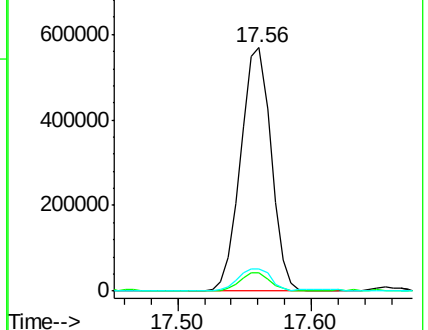
94 7.6 5.2 7.8

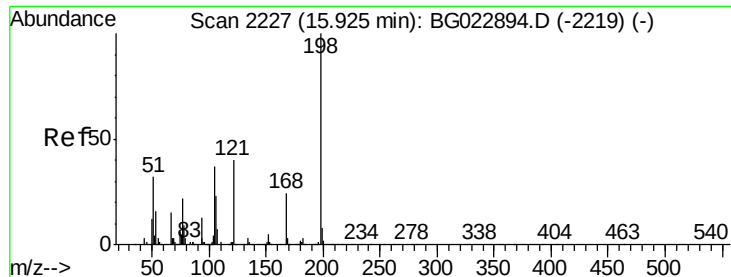
80 9.3 7.2 10.8

Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 44.10 ng

RT: 15.93 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:198 Resp: 293665

Ion Ratio Lower Upper

198 100

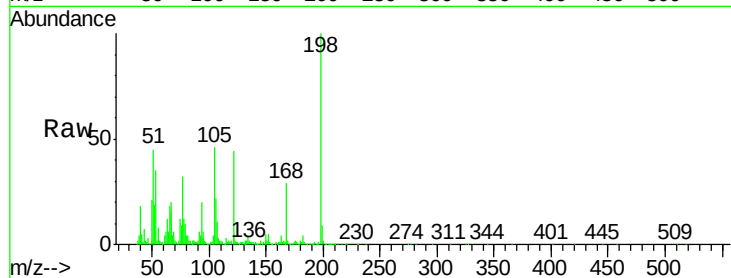
51 45.3 26.0 66.0

105 45.9 20.1 60.1

Manual Integrations
APPROVED

sohil

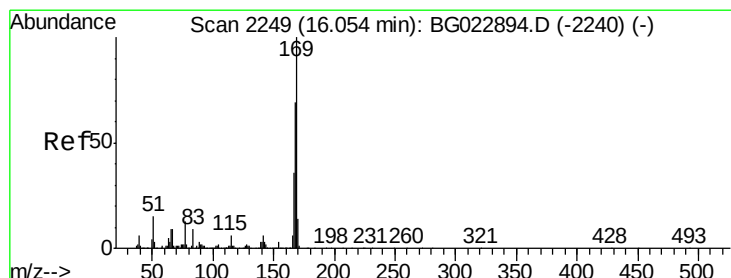
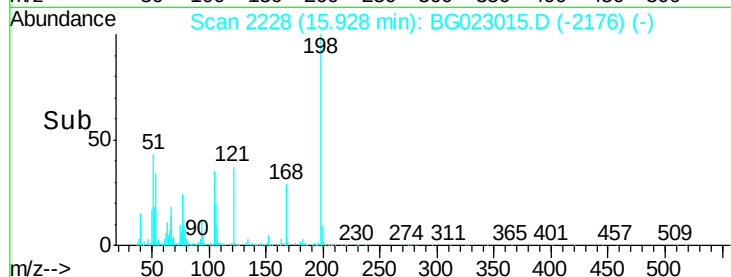
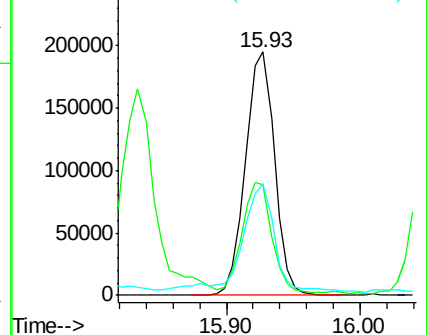
7/12/2016 7:33:38 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 50.03 ng

RT: 16.05 min Scan# 2249

Delta R.T. -0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

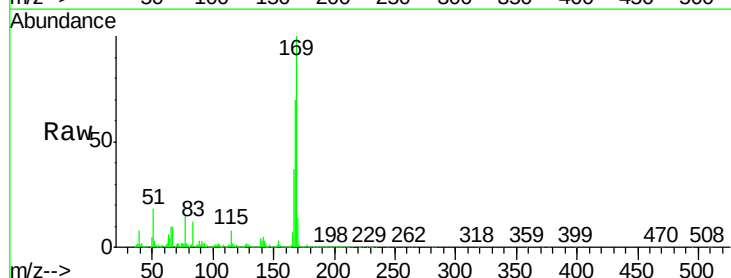
Tgt Ion:169 Resp: 1291617

Ion Ratio Lower Upper

169 100

168 70.1 55.0 82.4

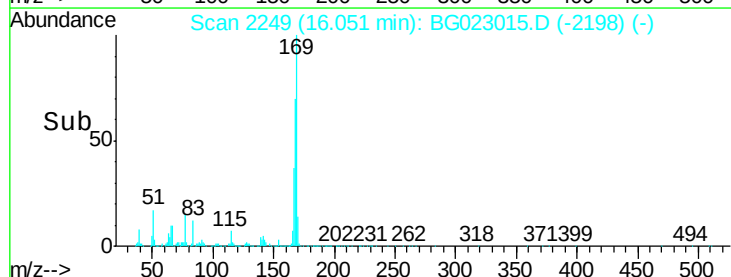
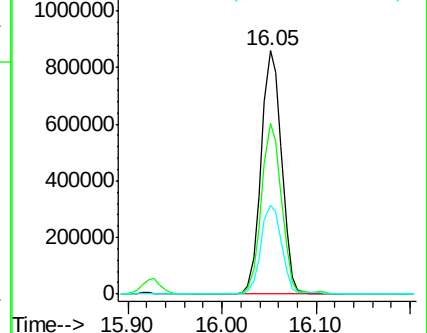
167 36.5 27.4 41.0

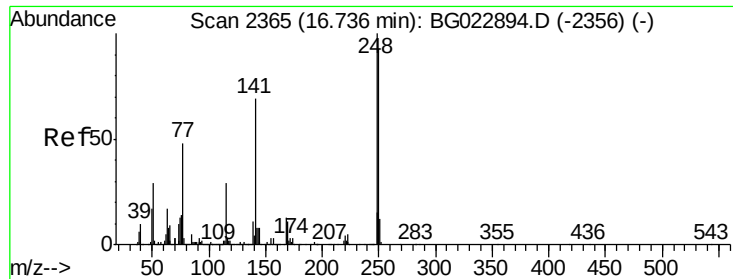


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





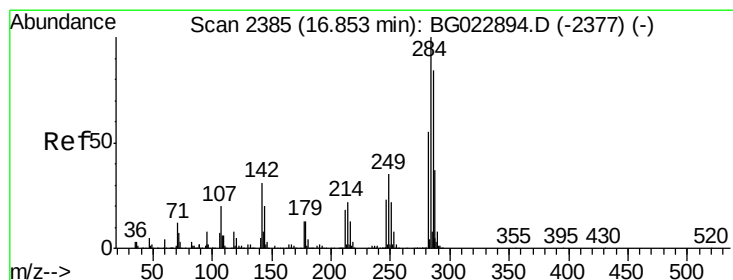
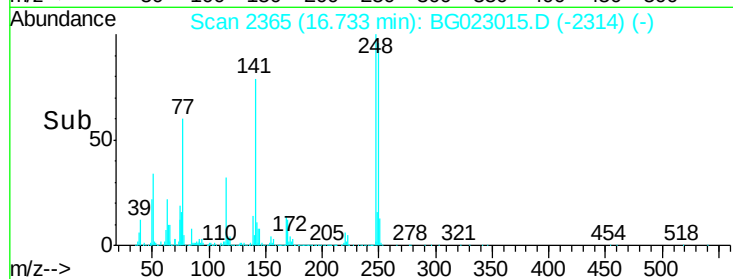
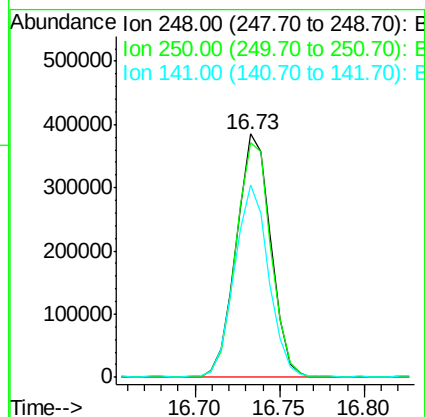
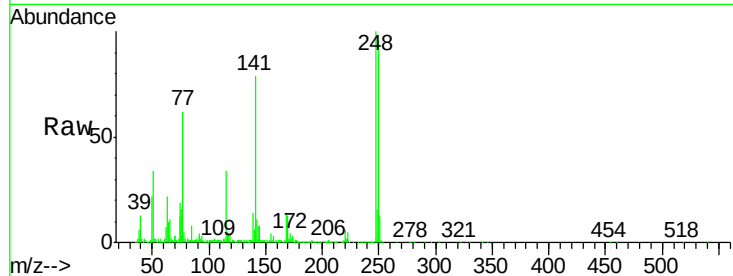
#66
4-Bromophenyl-phenylether
Concen: 46.79 ng
RT: 16.73 min Scan# 2365
Delta R.T. -0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampled :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.8	116.8
141	79.3	65.7	98.5

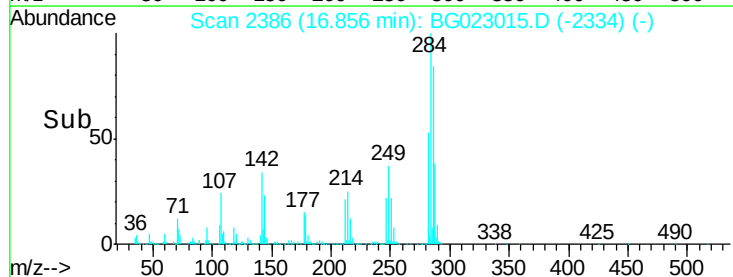
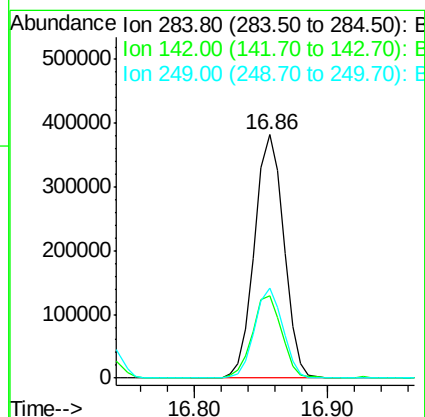
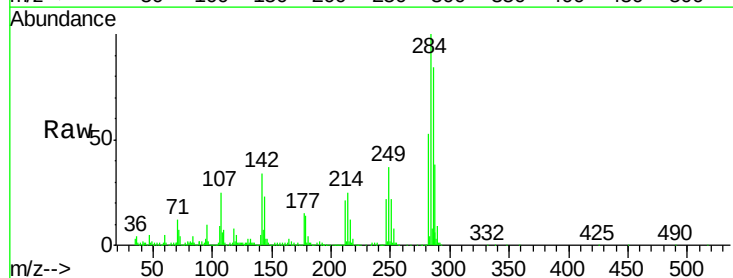
Manual Integrations
APPROVED

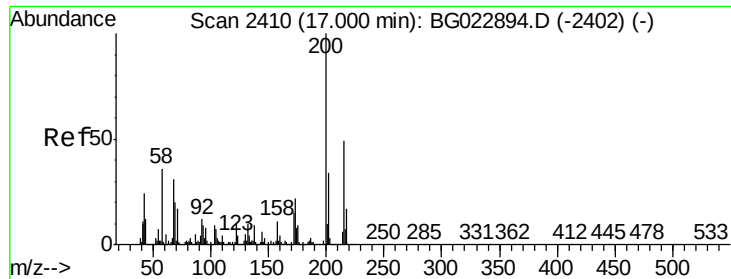
sohil
7/12/2016 7:33:38 PM



#67
Hexachlorobenzene
Concen: 45.56 ng
RT: 16.86 min Scan# 2386
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.8	26.8	40.2
249	36.7	28.9	43.3





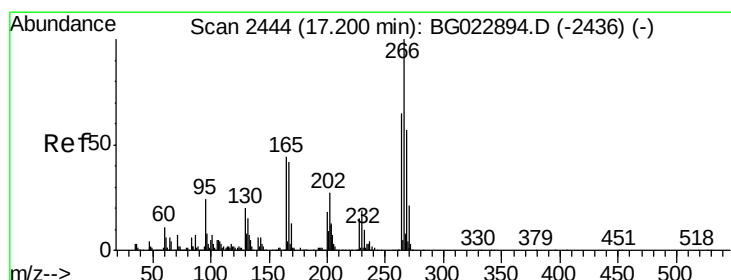
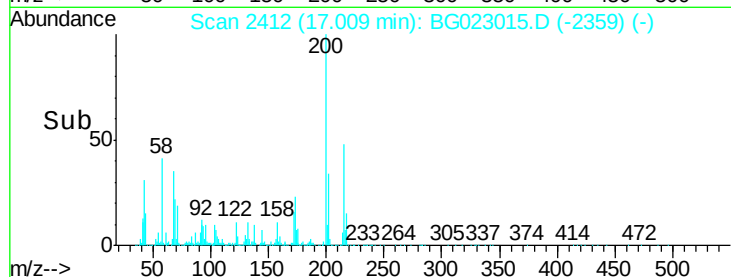
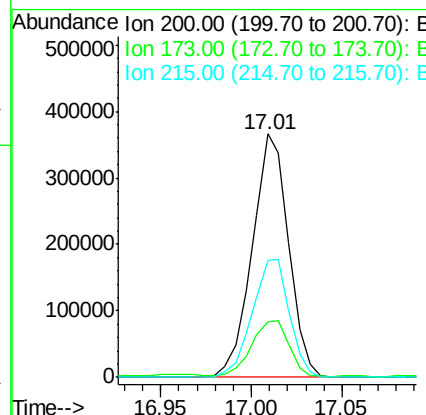
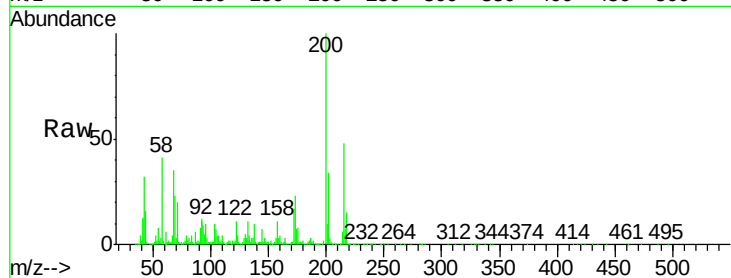
#68
Atrazine
Concen: 44.29 ng
RT: 17.01 min Scan# 2412
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.0	1.6	41.6
215	48.2	28.7	68.7

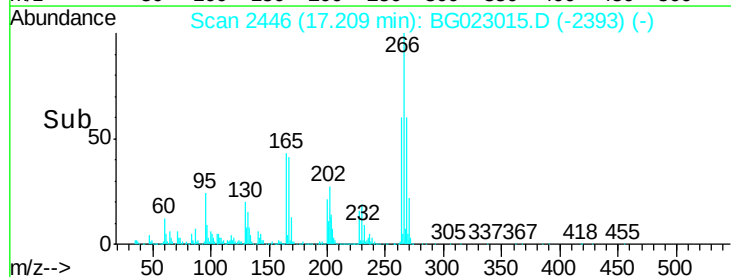
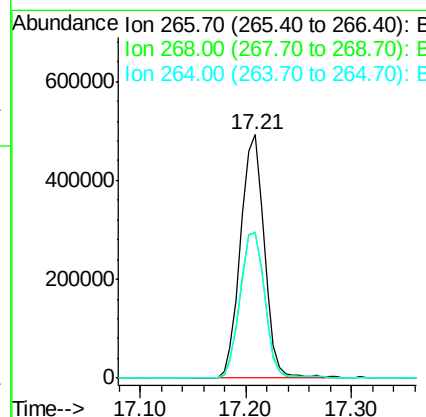
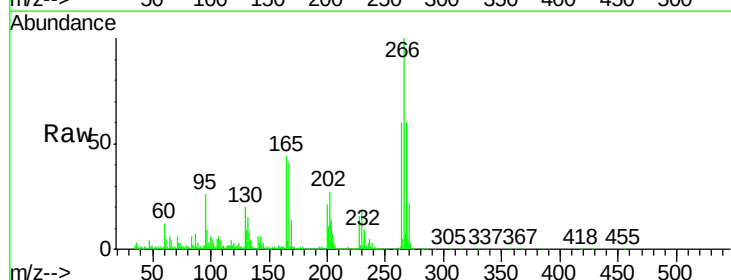
Manual Integrations
APPROVED

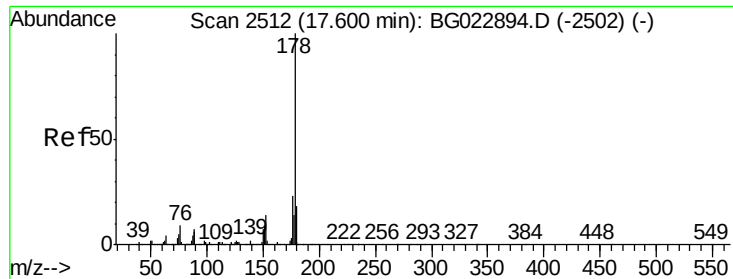
sohil
7/12/2016 7:33:38 PM



#69
Pentachlorophenol
Concen: 93.39 ng
RT: 17.21 min Scan# 2446
Delta R.T. 0.01 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.8	51.9	77.9
264	60.2	50.6	75.8





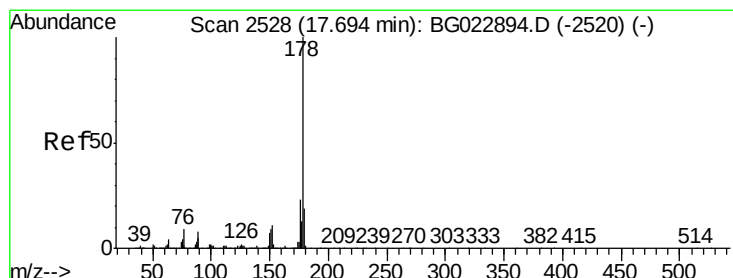
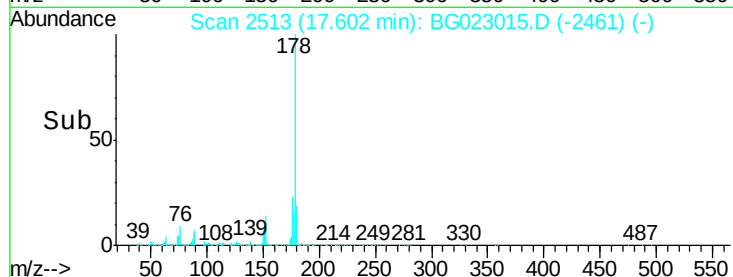
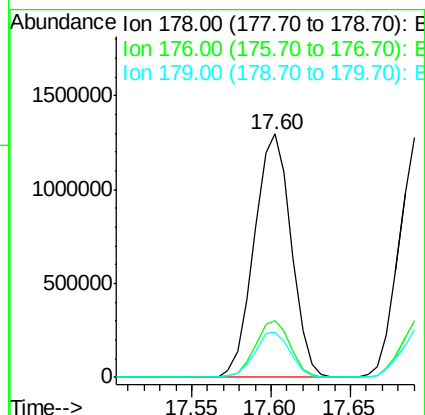
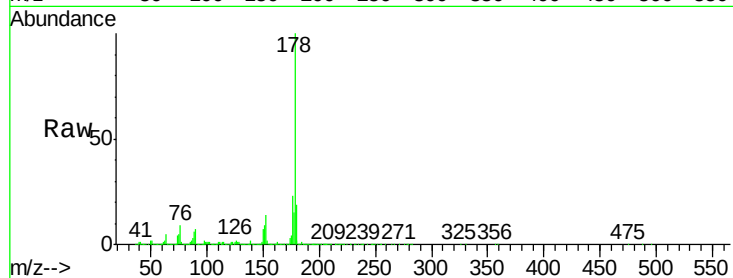
#70
Phenanthrene
Concen: 47.73 ng
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion:178 Resp: 2095970
Ion Ratio Lower Upper
178 100
176 23.5 16.8 25.2
179 18.8 14.3 21.5

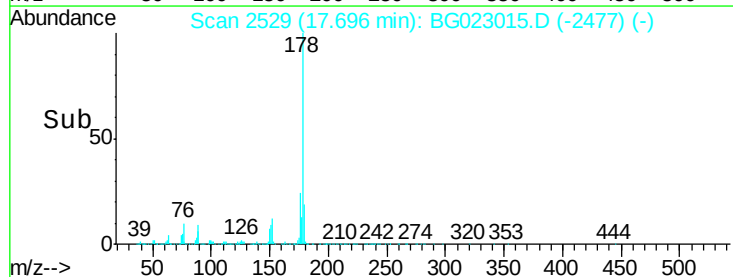
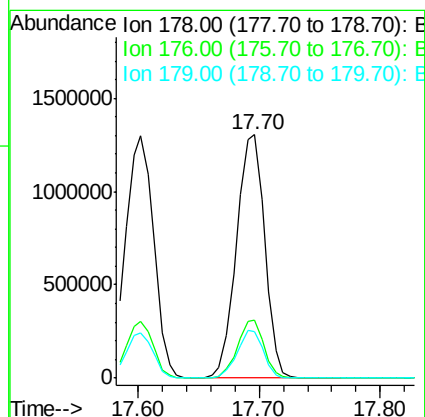
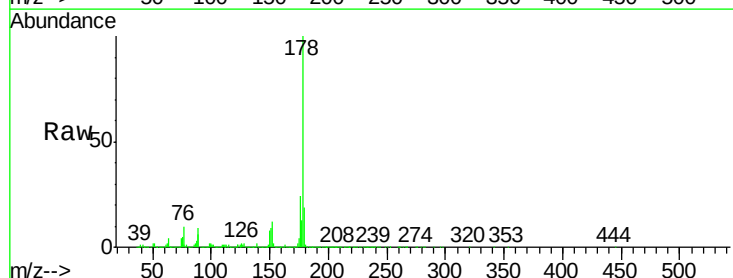
Manual Integrations
APPROVED

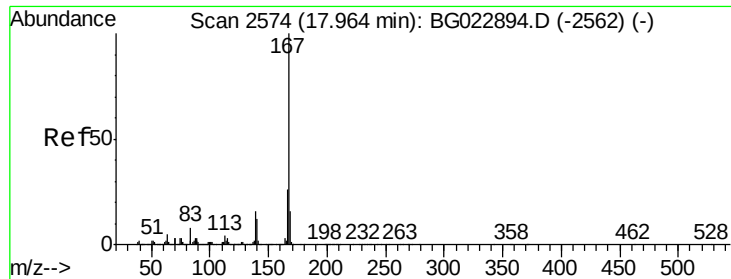
sohil
7/12/2016 7:33:38 PM



#71
Anthracene
Concen: 47.91 ng
RT: 17.70 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion:178 Resp: 2130267
Ion Ratio Lower Upper
178 100
176 23.9 17.3 25.9
179 19.1 14.0 21.0





#72

Carbazole

Concen: 48.75 ng

RT: 17.97 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:167 Resp: 1872945

Ion Ratio Lower Upper

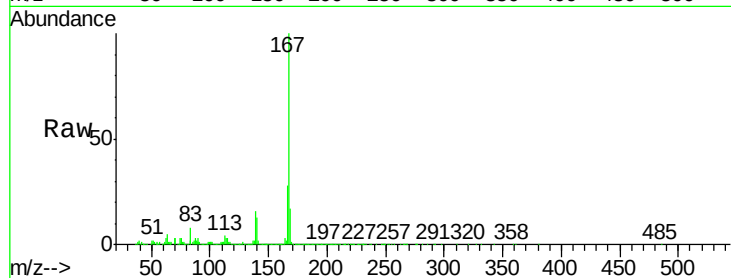
167 100

166 27.6 20.7 31.1

139 15.9 11.9 17.9

Manual Integrations
APPROVED

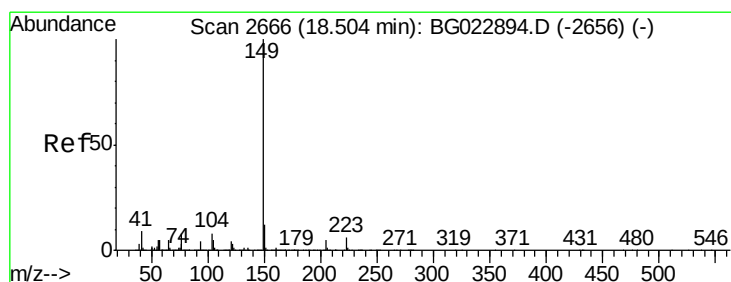
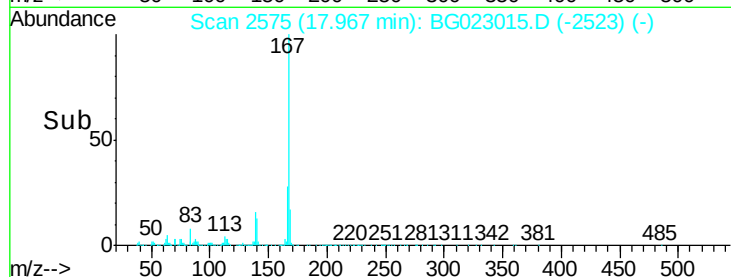
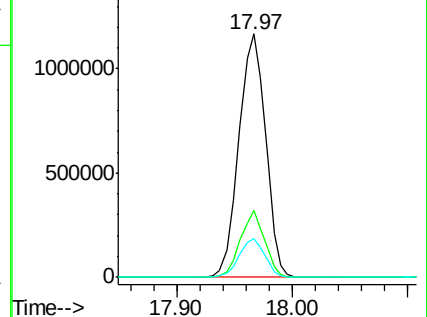
sohil
7/12/2016 7:33:38 PM



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



#73

Di-n-butylphthalate

Concen: 51.67 ng

RT: 18.51 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

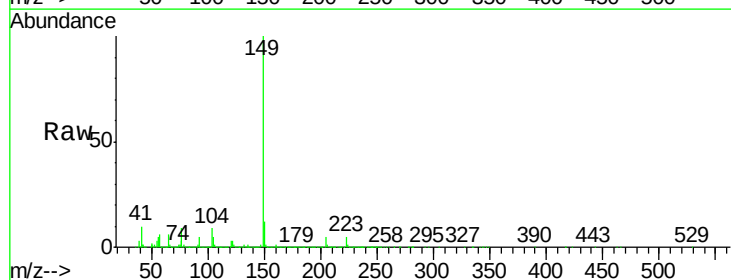
Tgt Ion:149 Resp: 2207611

Ion Ratio Lower Upper

149 100

150 12.1 9.1 13.7

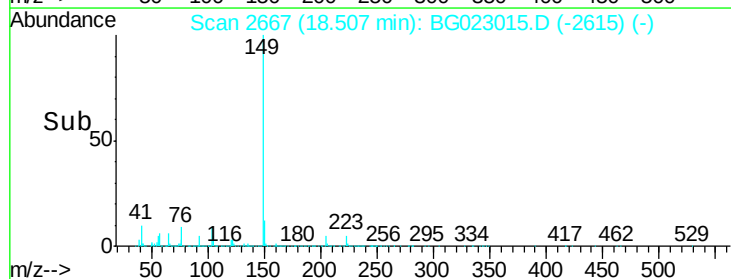
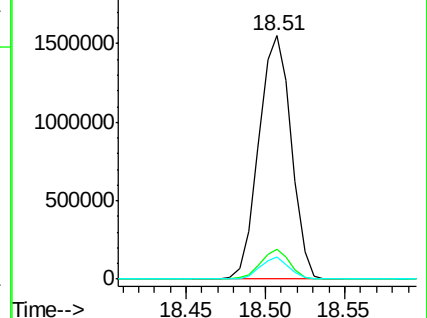
104 9.2 6.9 10.3

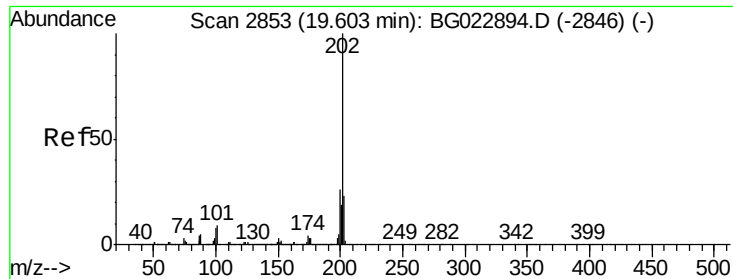


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 44.42 ng

RT: 19.61 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

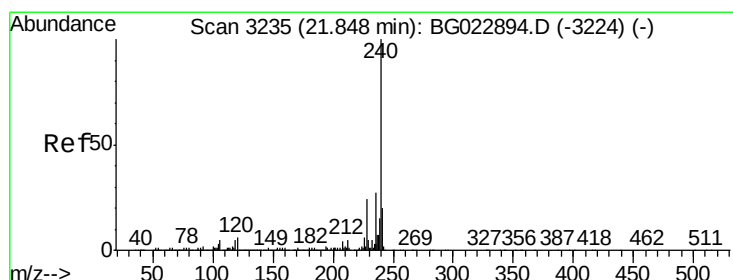
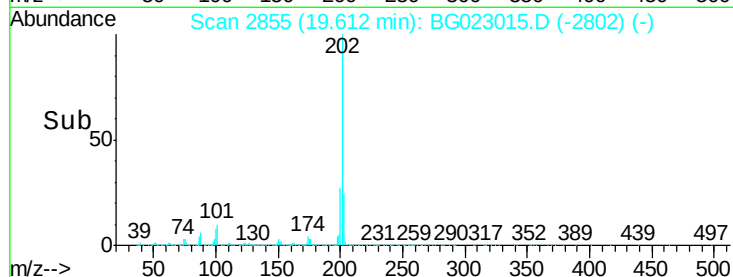
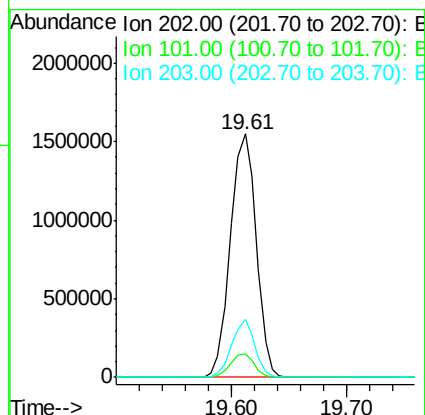
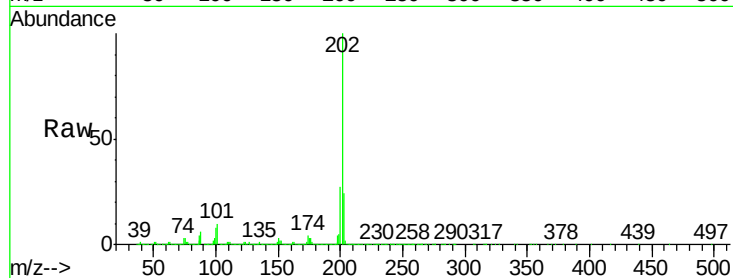
ClientSampleId :

S22-0005MSD

Tot Ion:	202	Resp:	2393809
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	27.4
203	23.7	1.7	41.7

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



#75

Chrysene-d12

Concen: 20.00 ng

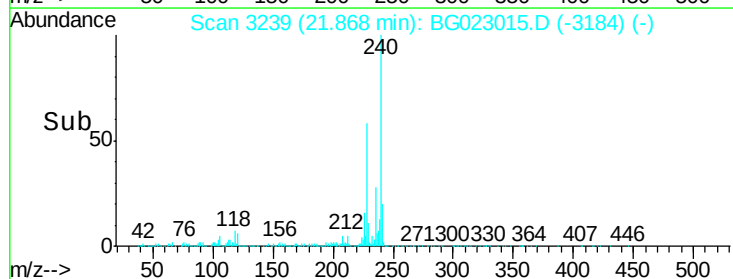
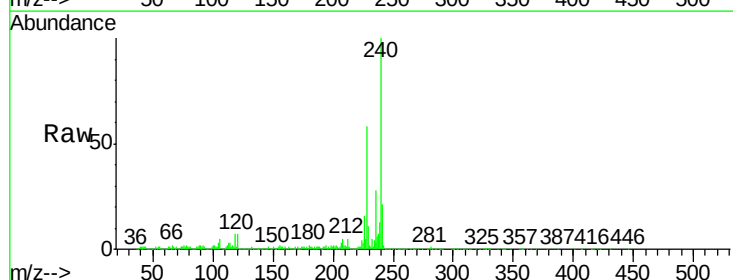
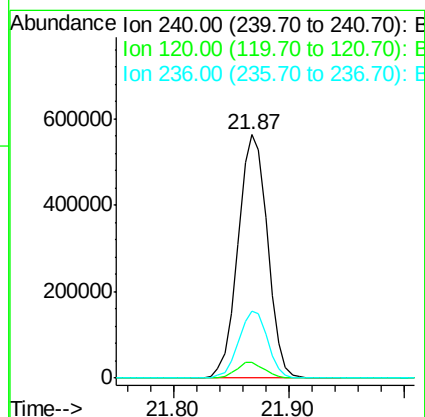
RT: 21.87 min Scan# 3239

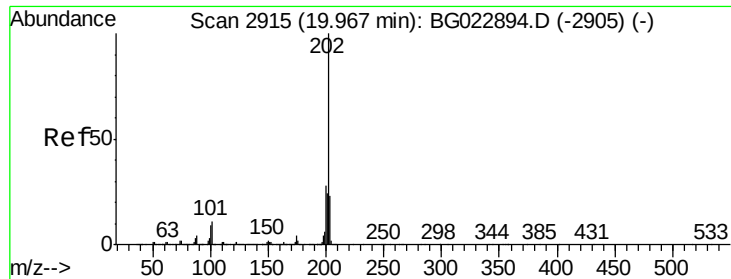
Delta R.T. 0.02 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Tgt Ion:	240	Resp:	991758
Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.1	6.1#
236	27.6	21.1	31.7





#77

Pvrene

Concen: 43.92 ng

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

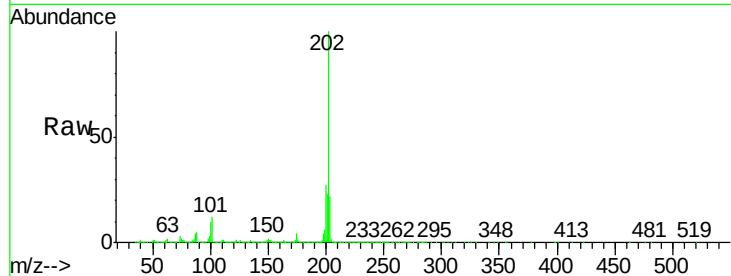
ClientSampleId :

S22-0005MSD

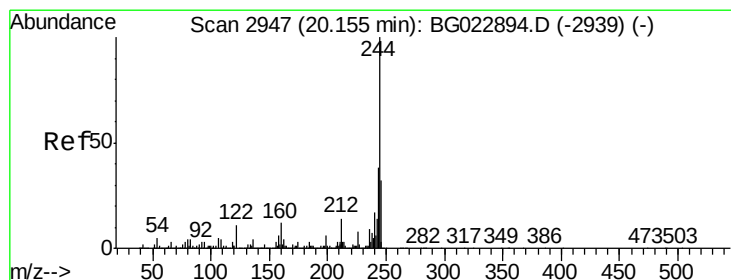
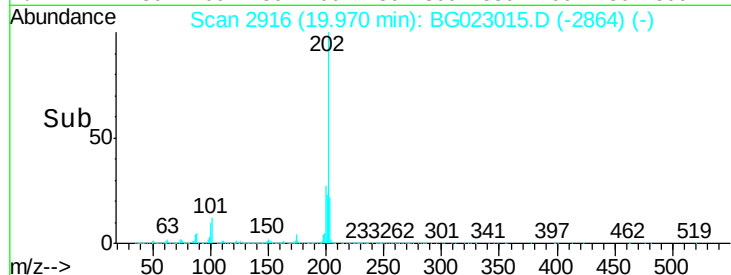
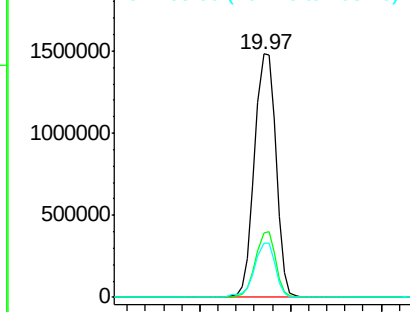
Tot Ion:	202	Resp:	2447995
Ion	Ratio	Lower	Upper
202	100		
200	26.6	21.2	31.8
203	22.4	16.8	25.2

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM



Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 94.36 ng

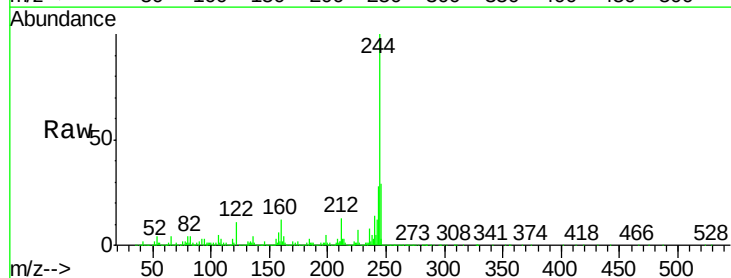
RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

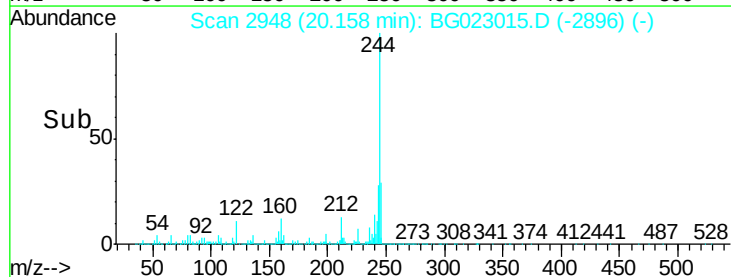
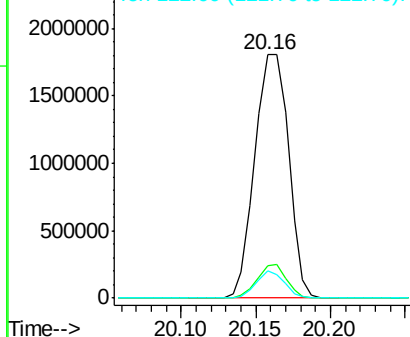
Lab File: BG023015.D

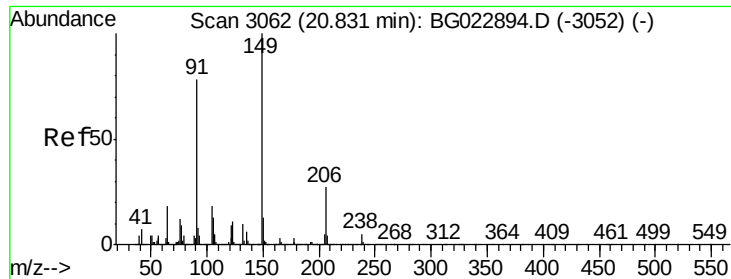
Acq: 12 Jul 2016 00:38

Tgt Ion:	244	Resp:	2829687
Ion	Ratio	Lower	Upper
244	100		
212	13.4	10.8	16.2
122	11.0	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E
2500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 50.80 ng

RT: 20.85 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:149 Resp: 1121418

Ion Ratio Lower Upper

149 100

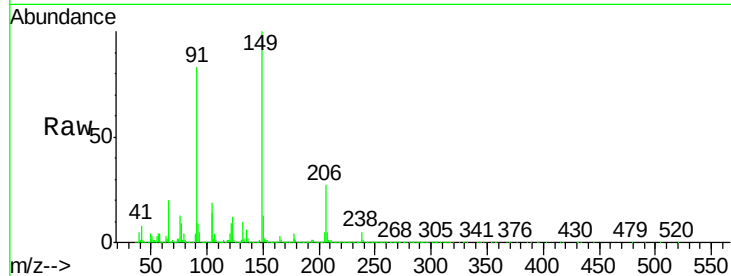
91 82.5 68.1 102.1

206 27.0 19.8 29.6

Manual Integrations
APPROVED

sohil

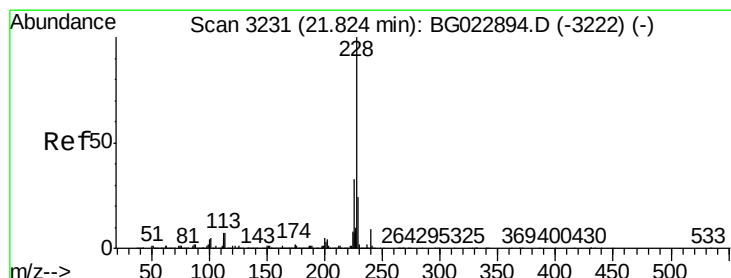
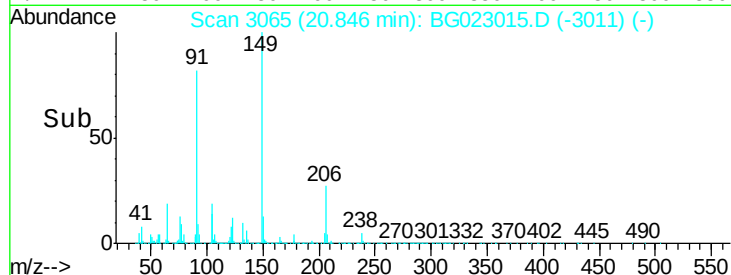
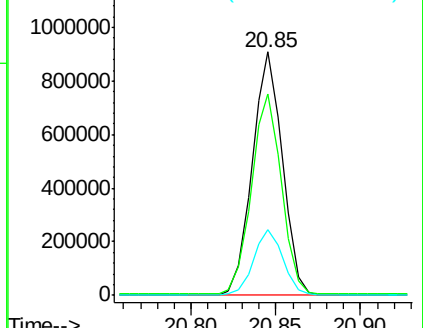
7/12/2016 7:33:38 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 47.68 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.03 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

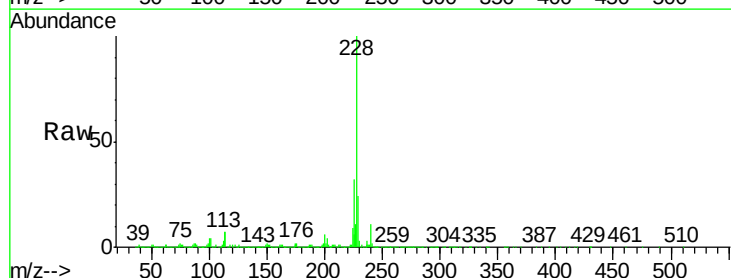
Tgt Ion:228 Resp: 2645528

Ion Ratio Lower Upper

228 100

226 32.3 25.3 37.9

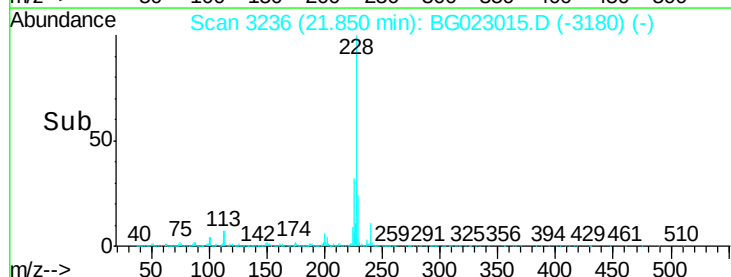
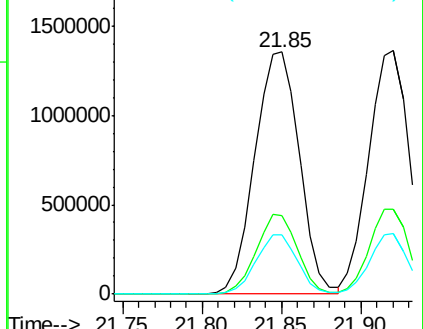
229 24.4 19.9 29.9

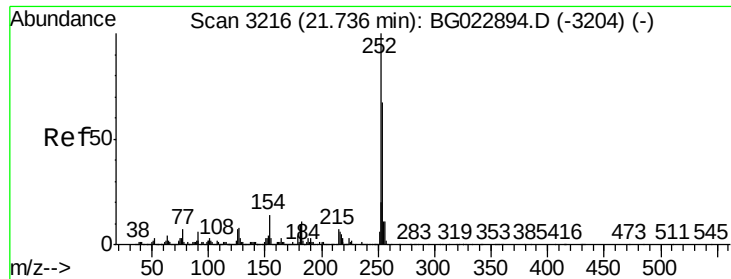


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





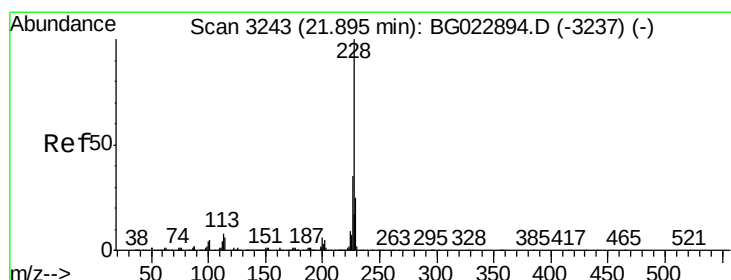
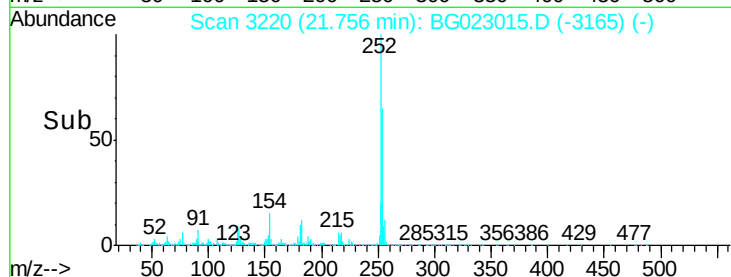
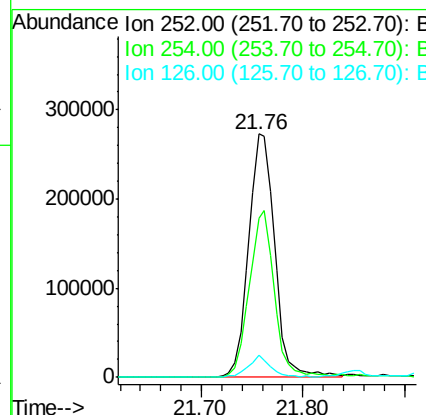
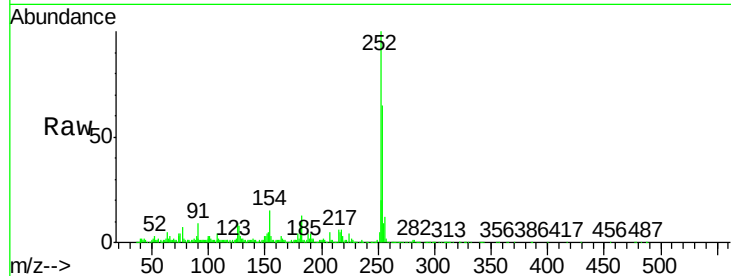
#81
 3,3'-Dichlorobenzidine
 Concen: 20.13 ng
 RT: 21.76 min Scan# 3220
 Delta R.T. 0.02 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.2	76.8
126	8.9	5.3	7.9

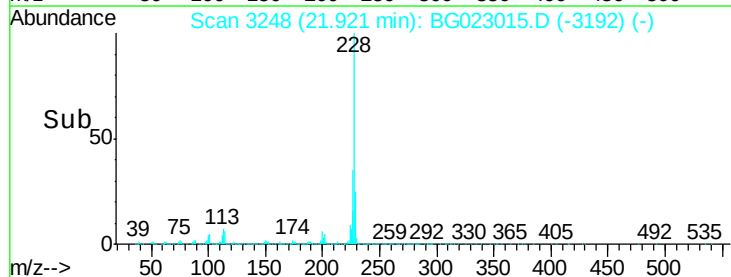
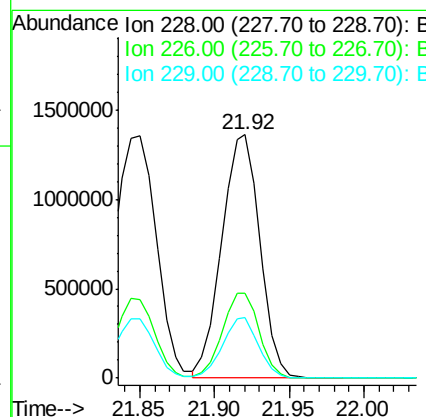
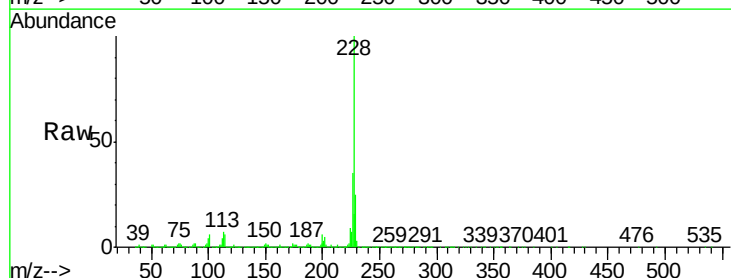
Manual Integrations
 APPROVED

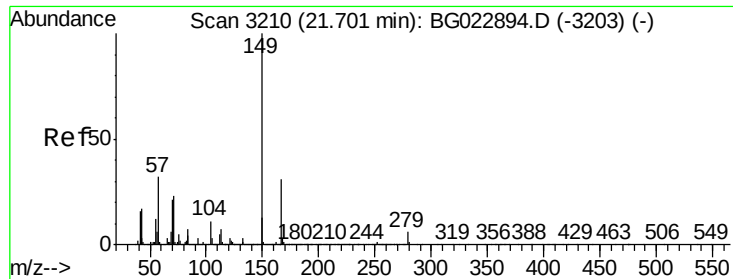
sohil
 7/12/2016 7:33:38 PM



#82
 Chrysene
 Concen: 46.62 ng
 RT: 21.92 min Scan# 3248
 Delta R.T. 0.03 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	26.7	40.1
229	25.0	17.4	26.2





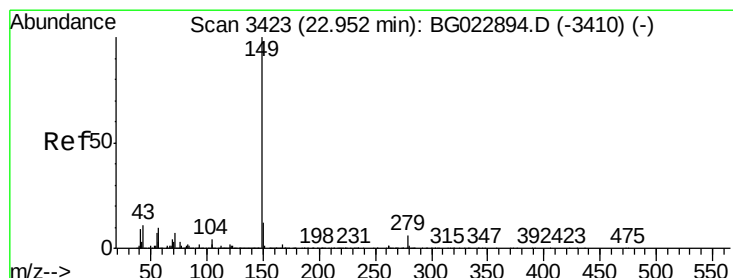
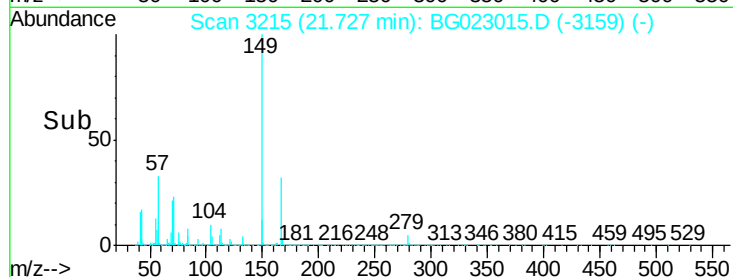
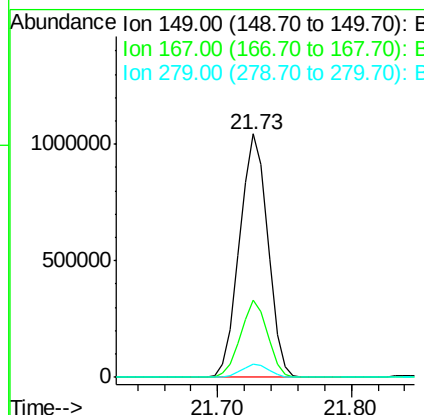
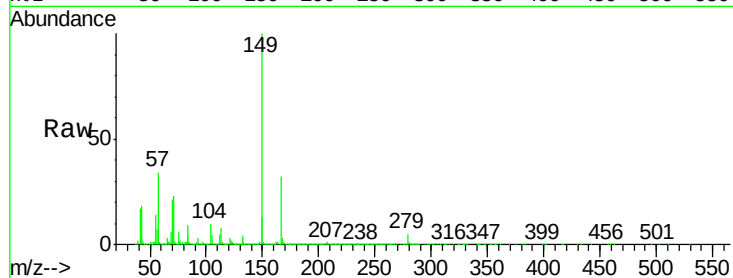
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.83 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.03 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.9	24.0	36.0
279	5.5	4.8	7.2

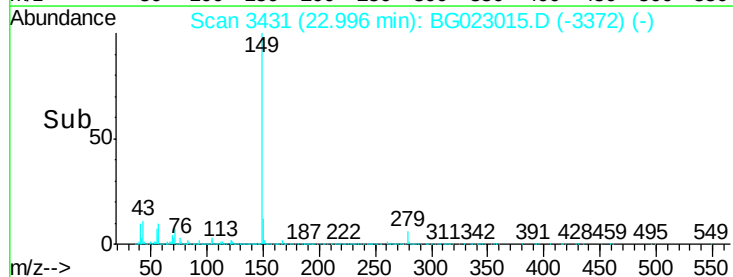
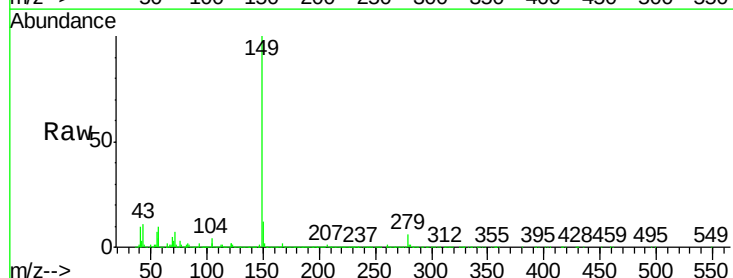
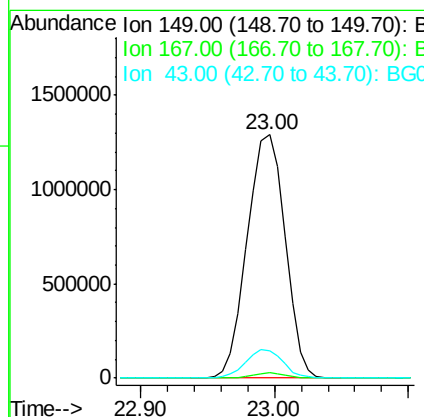
Manual Integrations
 APPROVED

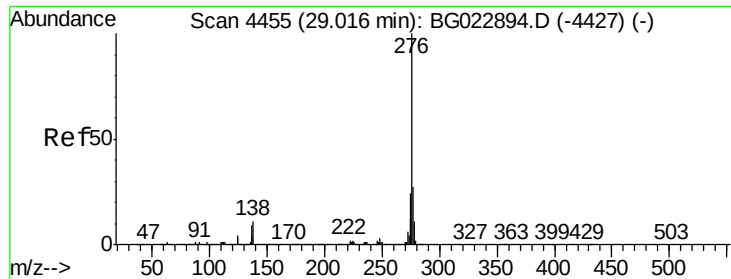
sohil
 7/12/2016 7:33:38 PM



#84
 Di-n-octyl phthalate
 Concen: 49.57 ng
 RT: 23.00 min Scan# 3431
 Delta R.T. 0.04 min
 Lab File: BG023015.D
 Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.5	2.3
43	10.9	8.8	13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 48.31 ng

RT: 29.13 min Scan# 4475

Delta R.T. 0.11 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:276 Resp: 3206303

Ion Ratio Lower Upper

276 100

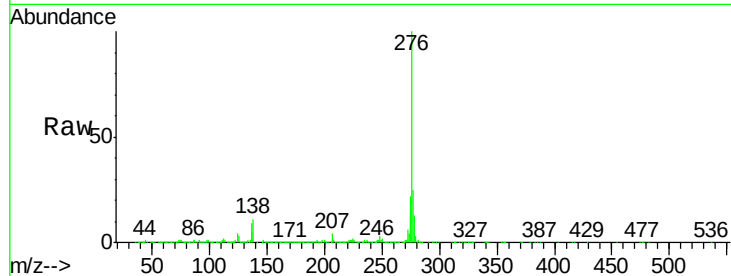
138 6.8 0.0 0.0#

277 26.3 0.0 0.0#

Manual Integrations
APPROVED

sohil

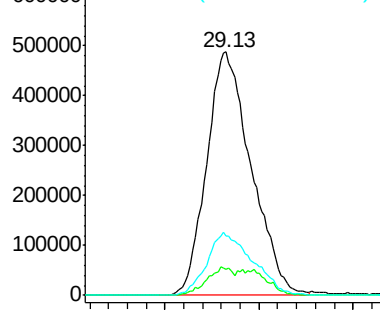
7/12/2016 7:33:38 PM



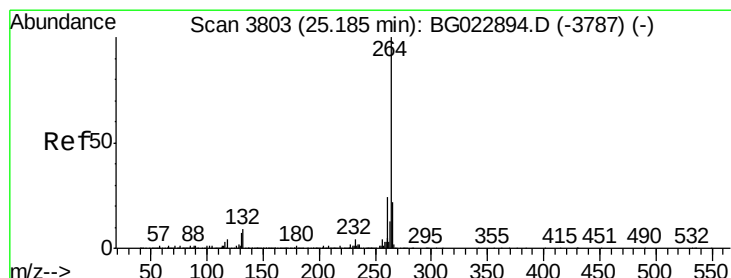
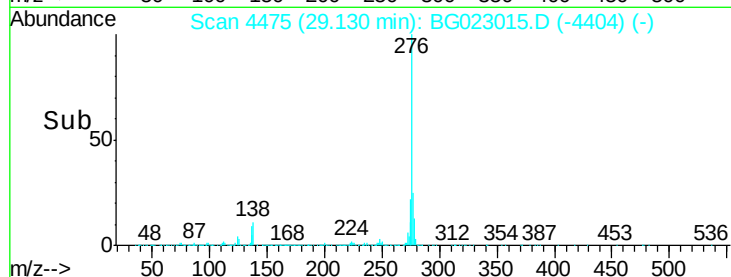
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3815

Delta R.T. 0.07 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

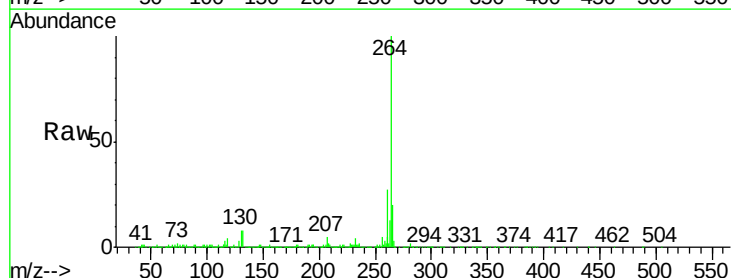
Tgt Ion:264 Resp: 1015676

Ion Ratio Lower Upper

264 100

260 26.7 18.4 27.6

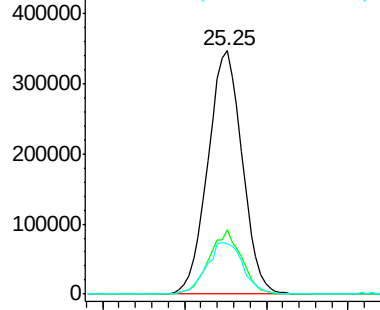
265 20.4 18.9 28.3



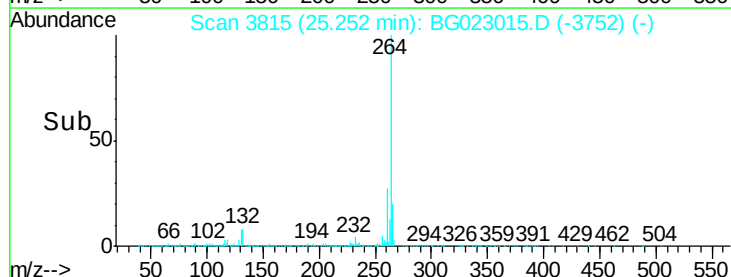
Abundance Ion 264.00 (263.70 to 264.70): E

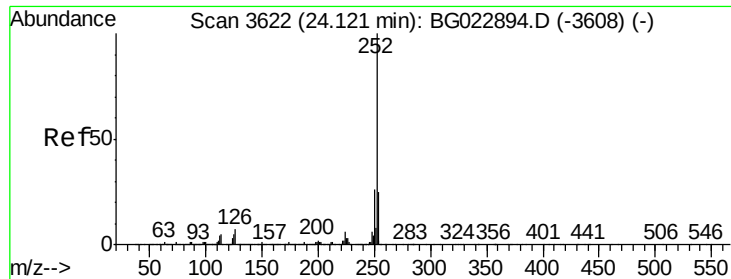
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





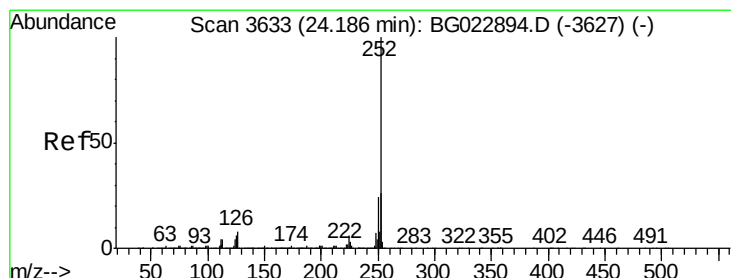
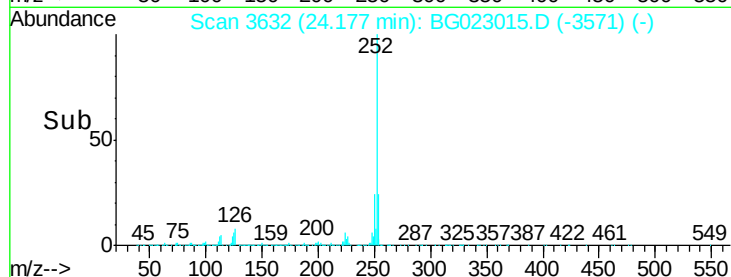
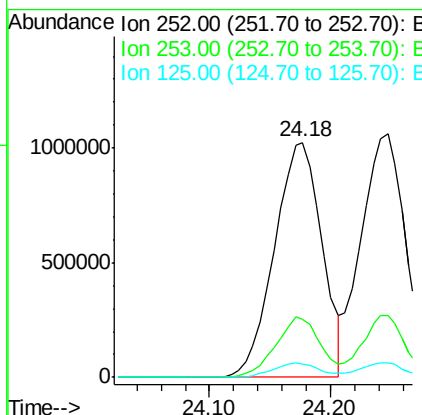
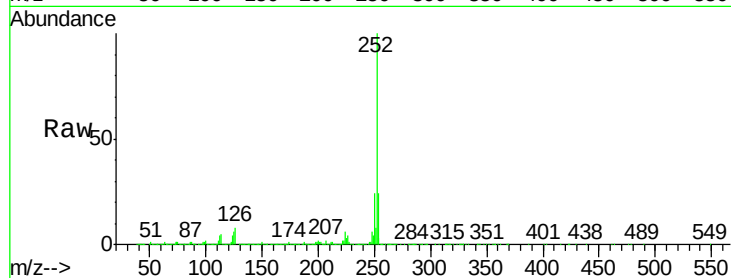
#87
Benzo(b)fluoranthene
Concen: 47.51 ng
RT: 24.18 min Scan# 3632
Delta R.T. 0.06 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.9	28.3
125	5.8	3.9	5.9

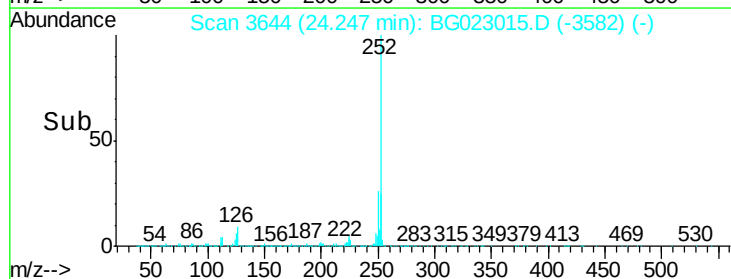
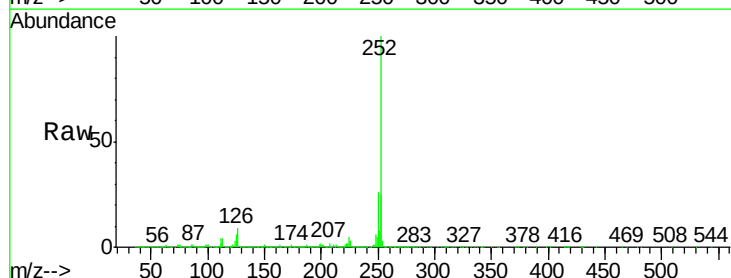
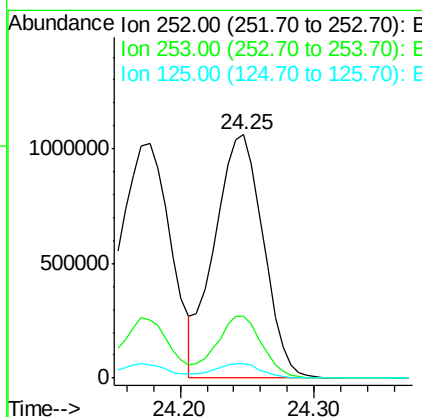
Manual Integrations
APPROVED

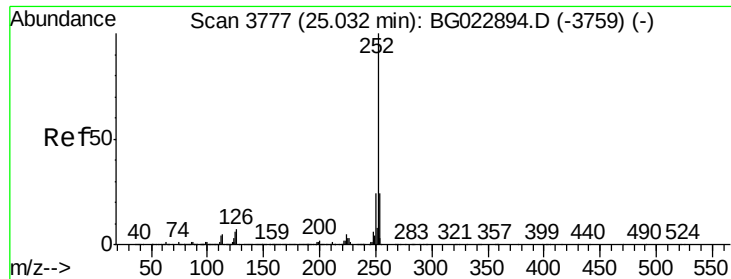
sohil
7/12/2016 7:33:38 PM



#88
Benzo(k)fluoranthene
Concen: 48.31 ng
RT: 24.25 min Scan# 3644
Delta R.T. 0.06 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.8	28.2
125	5.8	3.2	4.8#





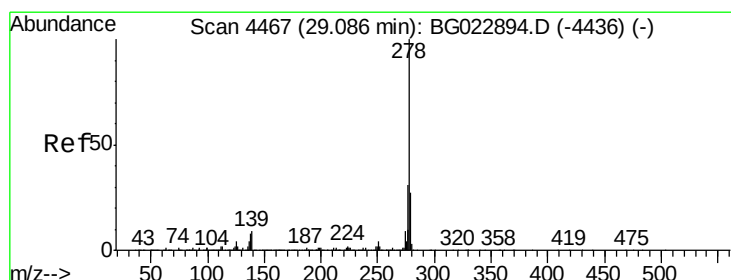
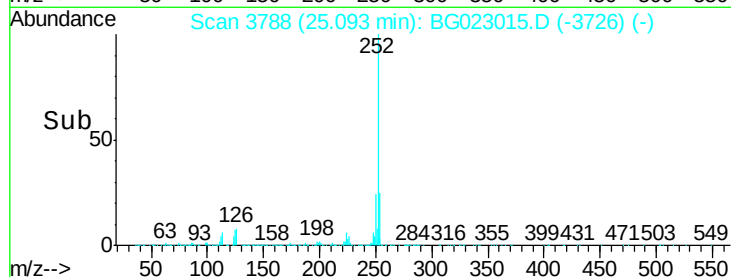
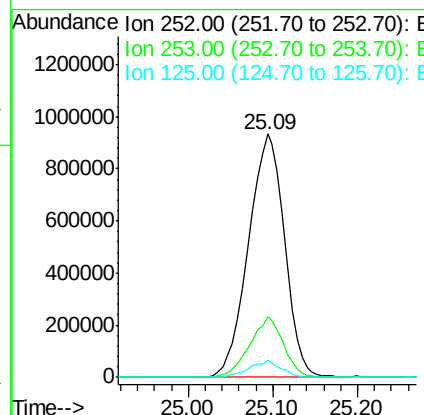
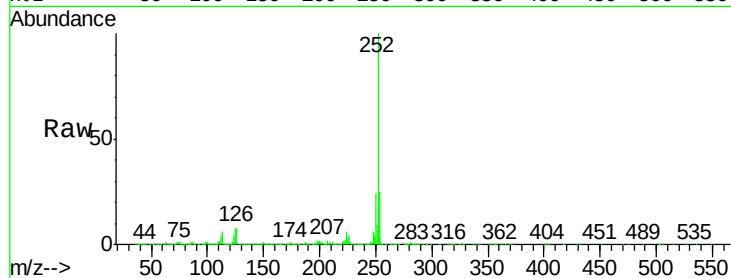
#89
Benzo(a)pyrene
Concen: 49.34 ng
RT: 25.09 min Scan# 3788
Delta R.T. 0.06 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Instrument :
BNA_G
ClientSampleId :
S22-0005MSD

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	24.9	18.7	28.1	
125	6.8	3.9	5.9	

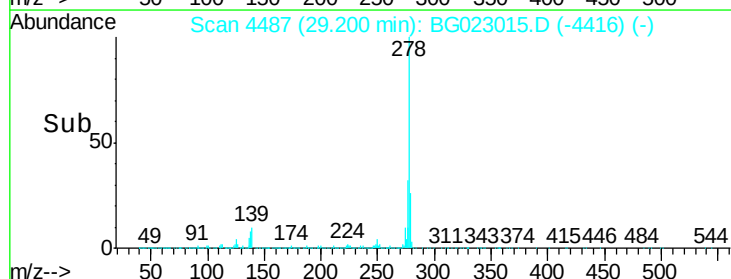
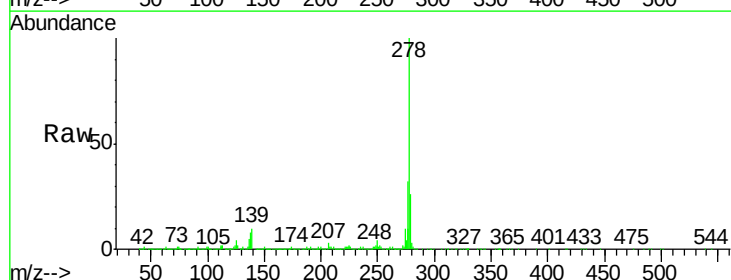
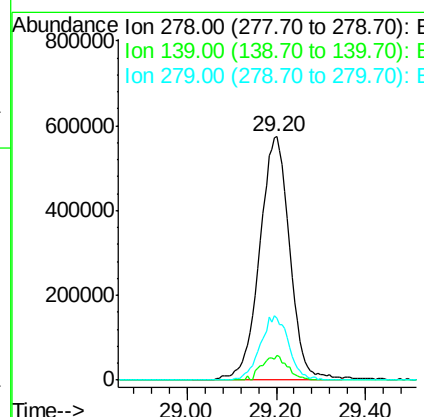
Manual Integrations
APPROVED

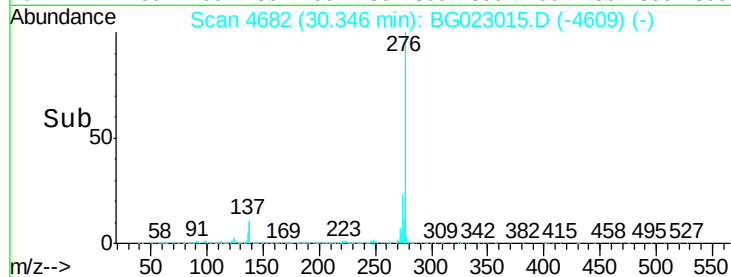
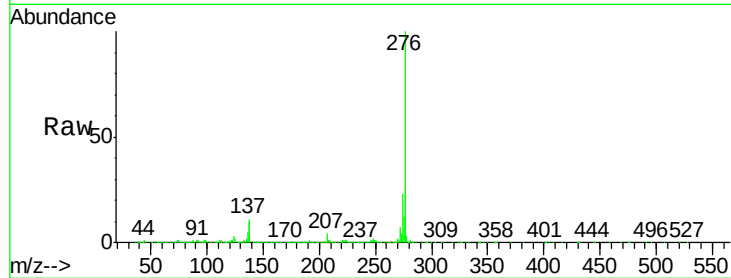
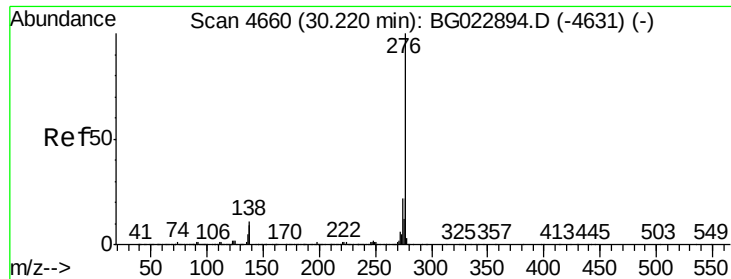
sohil
7/12/2016 7:33:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 48.05 ng
RT: 29.20 min Scan# 4487
Delta R.T. 0.11 min
Lab File: BG023015.D
Acq: 12 Jul 2016 00:38

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	10.4	4.7	7.1	
279	25.7	18.3	27.5	





#91

Benzo(a,h,i)perylene

Concen: 47.34 ng

RT: 30.35 min Scan# 4682

Delta R.T. 0.13 min

Lab File: BG023015.D

Acq: 12 Jul 2016 00:38

Instrument :

BNA_G

ClientSampleId :

S22-0005MSD

Tot Ion:276 Resp: 2643048

Ion Ratio Lower Upper

276 100

277 24.7 18.6 27.8

138 10.4 6.8 10.2#

Manual Integrations
APPROVED

sohil
7/12/2016 7:33:38 PM

