

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
 Data File : BG025033.D
 Acq On : 9 Dec 2016 10:39
 Operator : UM/SJ
 Sample : H5863-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 DA7X2

Manual Integrations
 APPROVED

Sohil
 12/12/2016 4:28:02 PM

Quant Time: Dec 12 13:40:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 12 03:23:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	58670	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	263555	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	229505	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	536172	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	655310	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	666468	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	5763	5.07	ng/uL	0.00
5) Phenol-d5	7.38	99	132391	26.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	79368	25.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	97126	27.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	118912	28.11	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	50359	26.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	62789	26.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	124044	27.72	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	120393	27.38	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	506027	32.05	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	537001	31.05	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	88903	32.77	ng/ul	0.00
57) Fluorene-d10	15.85	176	470312	31.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	107463	32.42	ng/ul	0.00
70) Anthracene-d10	17.70	188	827020	36.54	ng/ul	0.00
76) Pyrene-d10	19.98	212	1018520	37.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1101617	40.79	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	7.38	77	131354	34.47	ng/ul	97
10) 2-Chlorophenol	7.80	128	17107	4.81	ng/ul#	93
23) 2-Nitrophenol	10.18	139	84712	35.89	ng/ul#	79
28) Naphthalene	11.12	128	87520	7.14	ng/ul	99
31) Hexachlorobutadiene	11.39	225	67278	18.01	ng/ul	93
33) 4-Chloro-3-methylphenol	12.32	107	96418	18.01	ng/ul	95
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	50160	7.25	ng/ul#	87
38) 2,4,6-Trichlorophenol	13.30	196	80251	18.47	ng/ul	86
40) 1,1'-Biphenyl	13.70	154	319360	22.95	ng/ul	94
44) Dimethylphthalate	14.30	163	445777	28.73	ng/ul	97
45) 2,6-Dinitrotoluene	14.44	165	55161	16.55	ng/ul	96
52) 4-Nitrophenol	15.07	109	140031	42.91	ng/ul	94
53) Dibenzofuran	15.26	168	196289	10.78	ng/ul	92
63) 4,6-Dinitro-2-methylphenol	15.98	198	76975	22.42	ng/ul	92
66) Hexachlorobenzene	16.90	284	67210	9.86	ng/ul#	92
68) Pentachlorophenol	17.25	266	78086	19.07	ng/ul#	88
69) Phenanthrene	17.65	178	720162	28.14	ng/ul	99
71) Anthracene	17.74	178	308354	11.72	ng/ul	96
73) Di-n-butylphthalate	18.53	149	485701	17.53	ng/ul	99
74) Fluoranthene	19.64	202	756232	24.87	ng/ul	97
77) Pyrene	20.01	202	762029	24.19	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	423837	24.97	ng/ul	98
82) Chrysene	21.95	228	672840	21.13	ng/ul	99

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
Data File : BG025033.D
Acq On : 9 Dec 2016 10:39
Operator : UM/SJ
Sample : H5863-24
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA7X2

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM

Quant Time: Dec 12 13:40:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 03:23:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.15	252	632059	19.89	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	29.23	276	855857m	21.67	ng/ul	
90) Dibenzo(a,h)anthracene	29.28	278	457559m	13.75	ng/ul	

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

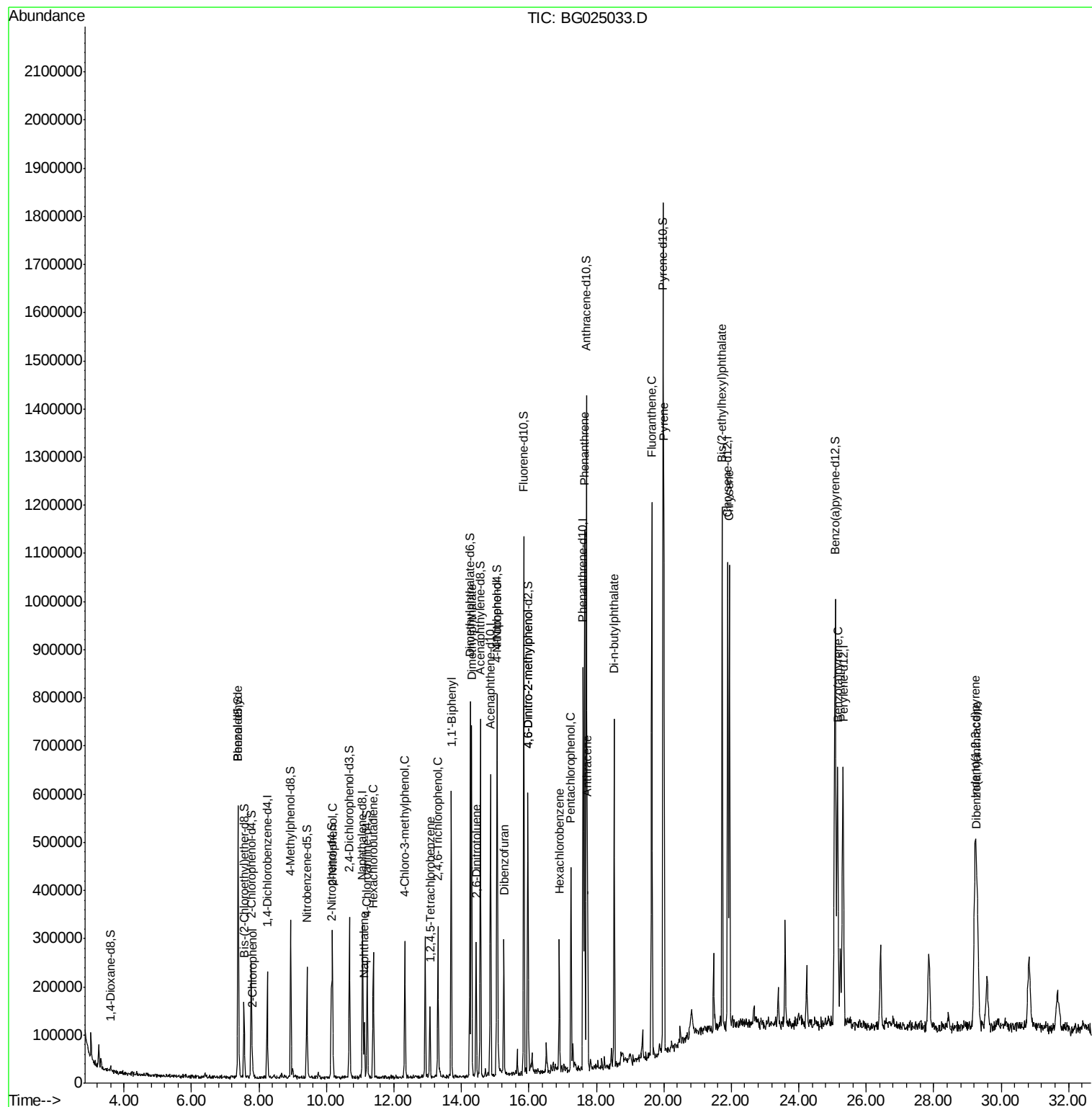
Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
Data File : BG025033.D
Acq On : 9 Dec 2016 10:39
Operator : UM/SJ
Sample : H5863-24
Misc :
ALS Vial : 3 Sample Multiplier: 1

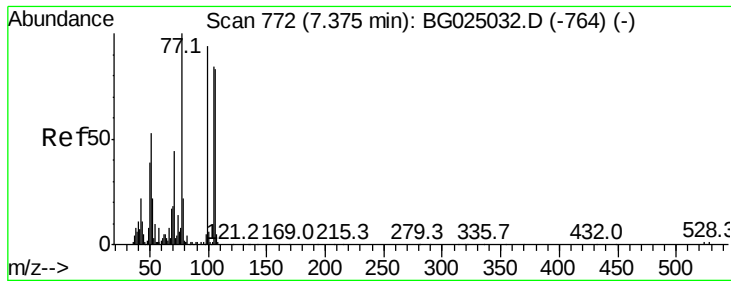
Instrument :
BNA_G
ClientSampleId :
DA7X2

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM

Quant Time: Dec 12 13:40:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 12 03:23:22 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 34.47 ng/ul

RT: 7.38 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

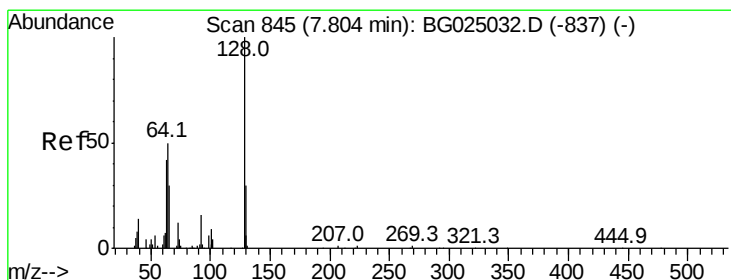
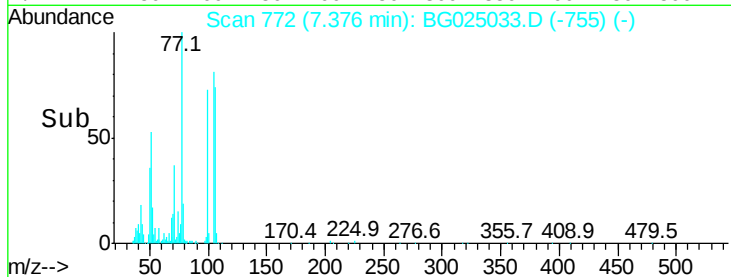
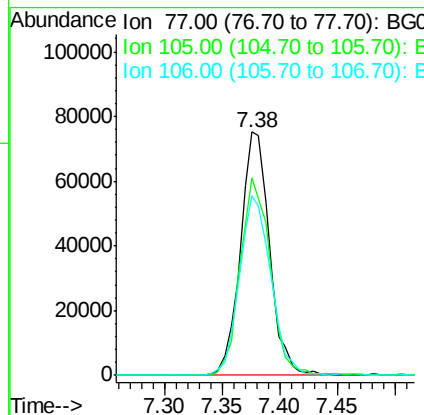
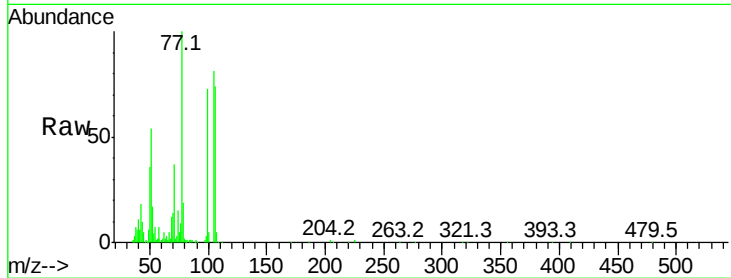
ClientSampled :

DA7X2

Tot Ion:	77	Resp:	131354
Ion Ratio	Lower	Upper	
77	100		
105	81.4	62.0	93.0
106	74.0	60.2	90.4

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#10

2-Chlorophenol

Concen: 4.81 ng/ul

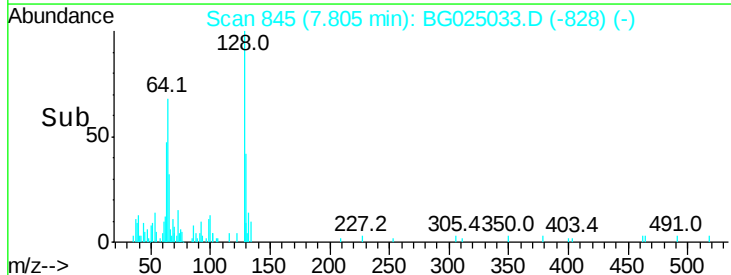
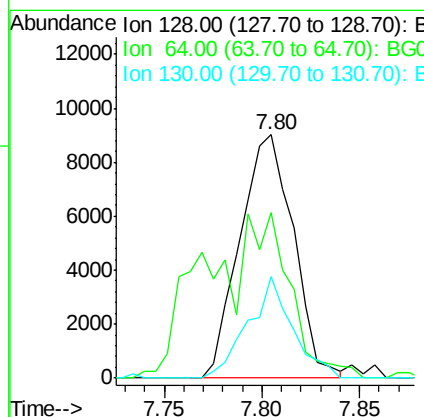
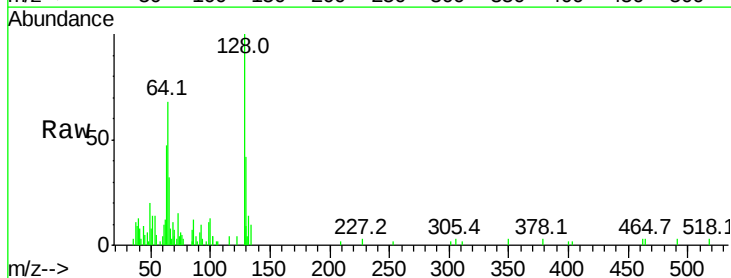
RT: 7.80 min Scan# 845

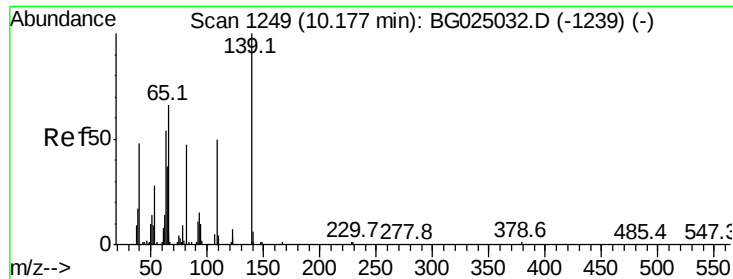
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	128	Resp:	17107
Ion Ratio	Lower	Upper	
128	100		
64	67.8	56.3	84.5
130	41.6	26.7	40.1#





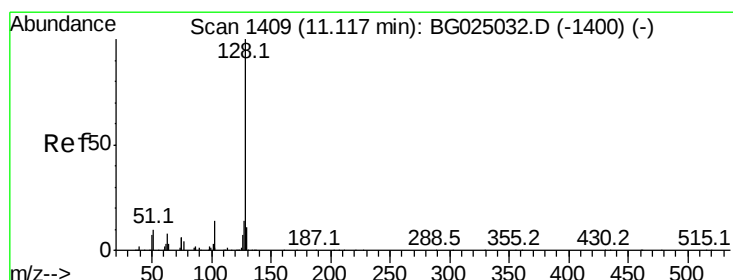
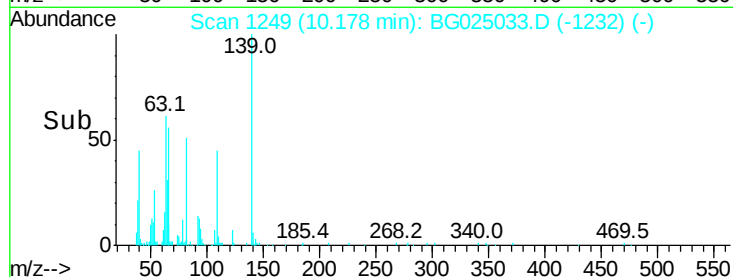
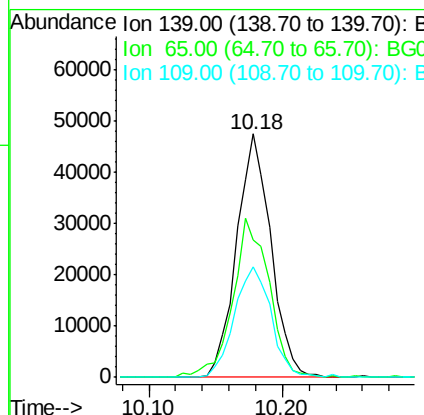
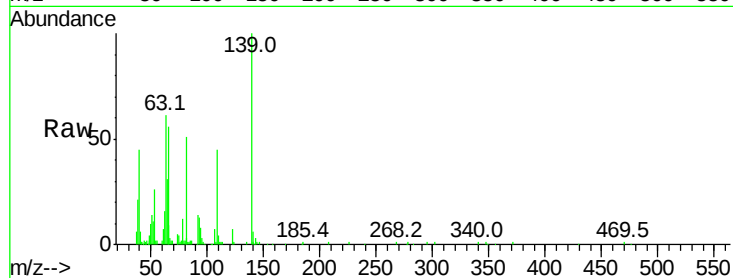
#23
2-Nitrophenol
Concen: 35.89 ng/ul
RT: 10.18 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Instrument :
BNA_G
ClientSampleId :
DA7X2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
139	100		84712		
65	56.4	67.0	100.6#		
109	45.4	39.6	59.4		

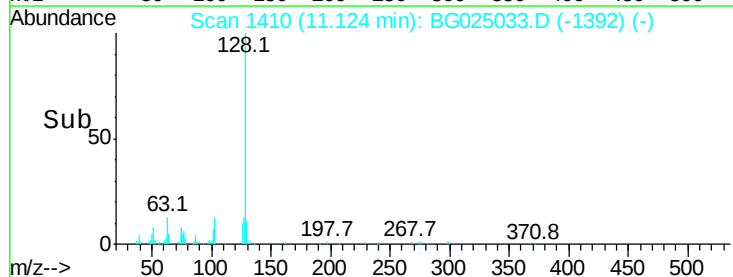
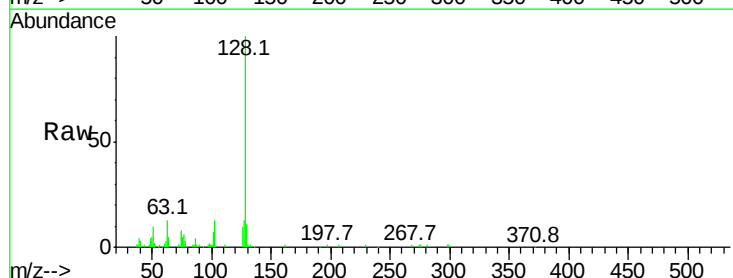
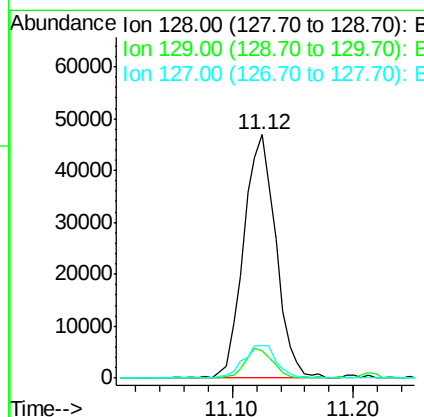
Manual Integrations
APPROVED

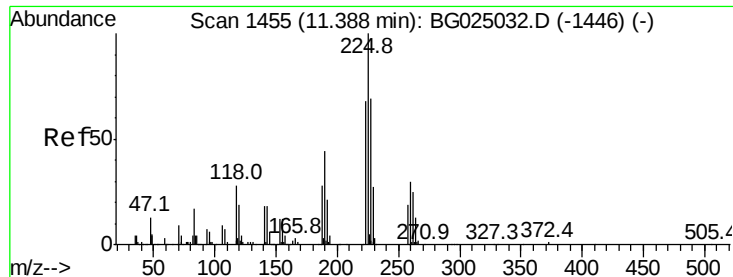
Sohil
12/12/2016 4:28:02 PM



#28
Naphthalene
Concen: 7.14 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		87520		
129	11.4	9.4	14.2		
127	13.5	10.3	15.5		





#31

Hexachlorobutadiene

Concen: 18.01 ng/ul

RT: 11.39 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

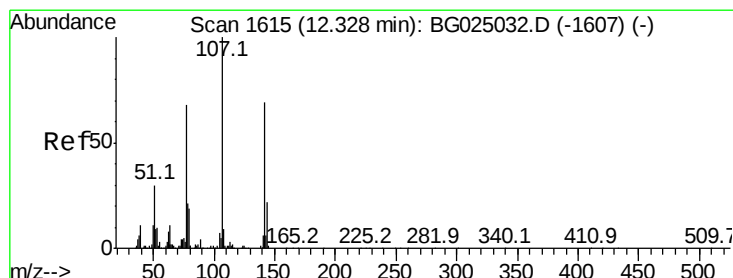
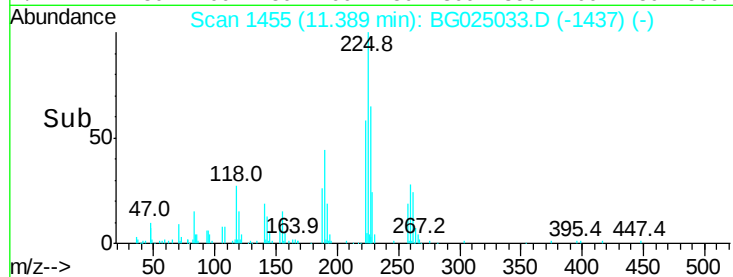
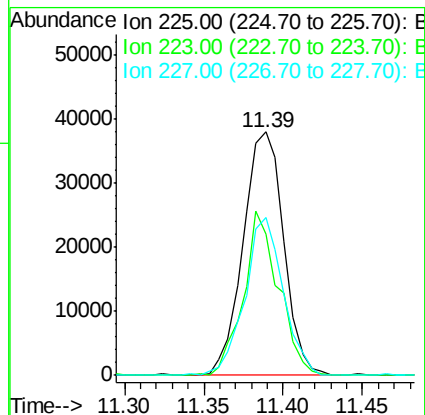
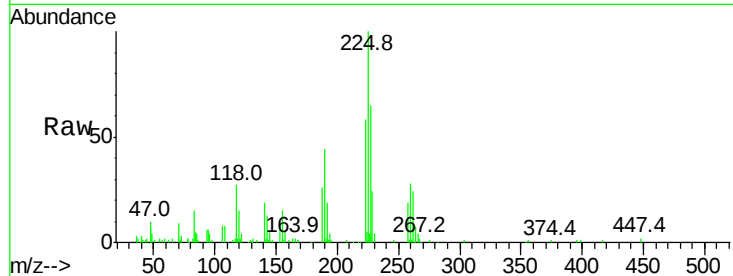
ClientSampleId :

DA7X2

Tot Ion:	225	Resp:	67278
Ion Ratio	Lower	Upper	
225	100		
223	57.9	45.9	68.9
227	65.0	44.7	67.1

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#33

4-Chloro-3-methylphenol

Concen: 18.01 ng/ul

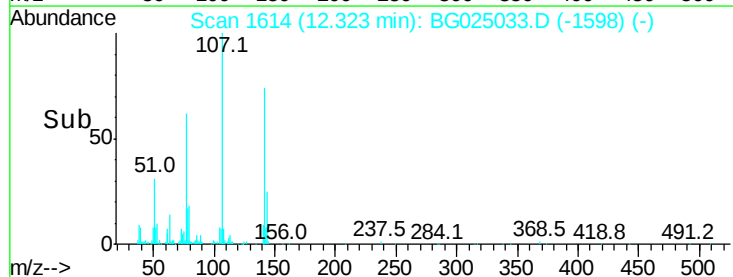
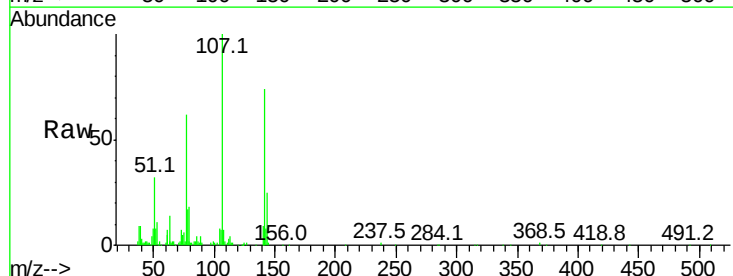
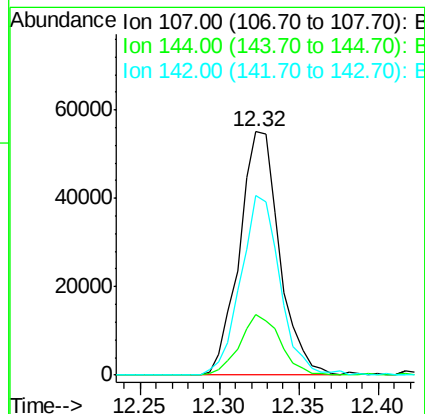
RT: 12.32 min Scan# 1614

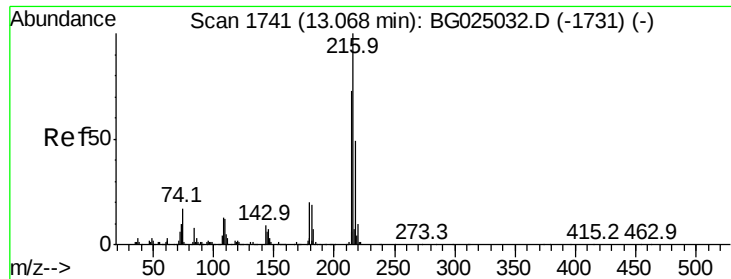
Delta R.T. -0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	107	Resp:	96418
Ion Ratio	Lower	Upper	
107	100		
144	24.7	18.2	27.4
142	73.5	55.0	82.4





#36

1,2,4,5-Tetrachlorobenzene

Concen: 7.25 ng/ul

RT: 13.07 min Scan# 1741

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

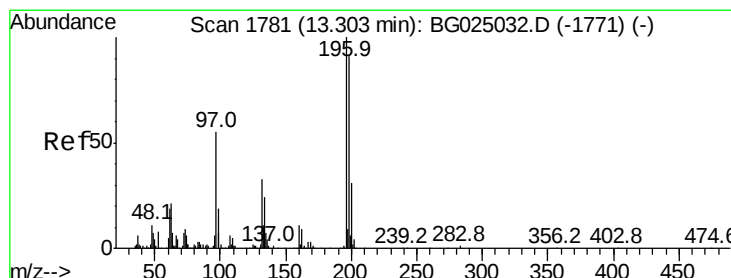
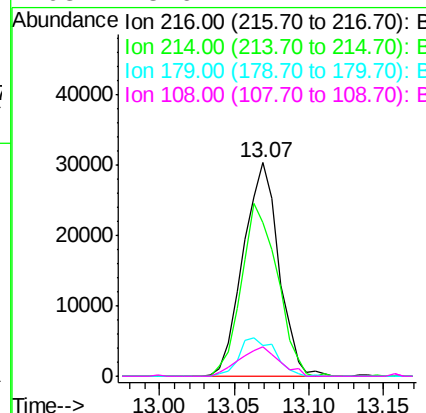
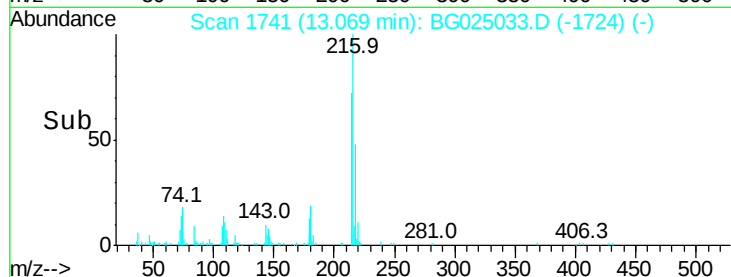
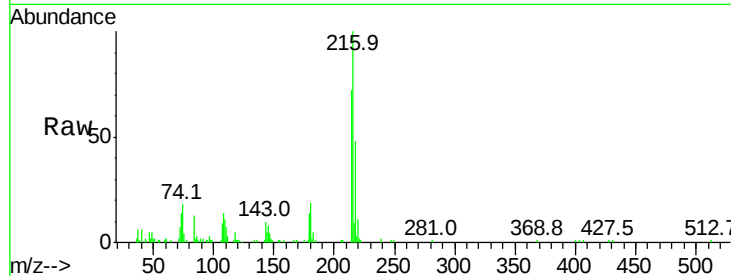
ClientSampleId :

DA7X2

Tot Ion:	216	Resp:	50160
Ion Ratio	Lower	Upper	
216	100		
214	71.7	67.0	100.6
179	14.4	18.1	27.1#
108	13.6	14.1	21.1#

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#38

2,4,6-Trichlorophenol

Concen: 18.47 ng/ul

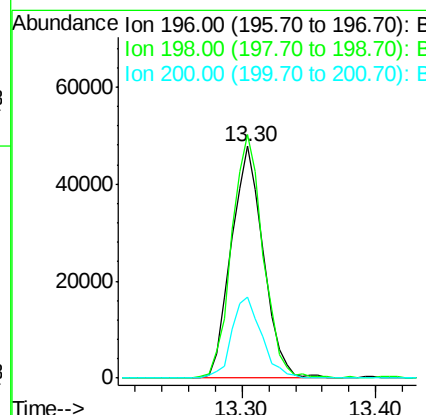
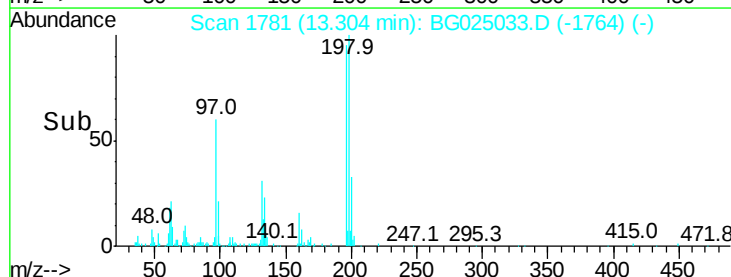
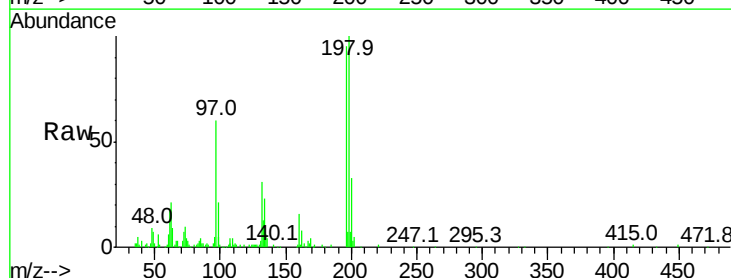
RT: 13.30 min Scan# 1781

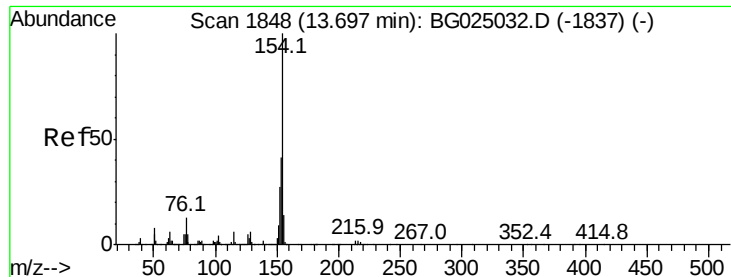
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	196	Resp:	80251
Ion Ratio	Lower	Upper	
196	100		
198	105.1	71.4	107.2
200	34.8	24.6	37.0





#40

1,1'-Biphenyl

Concen: 22.95 ng/ul

RT: 13.70 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

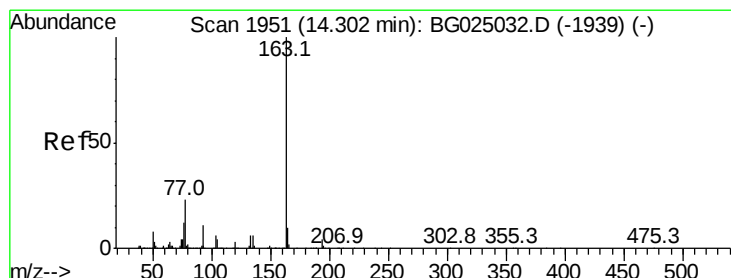
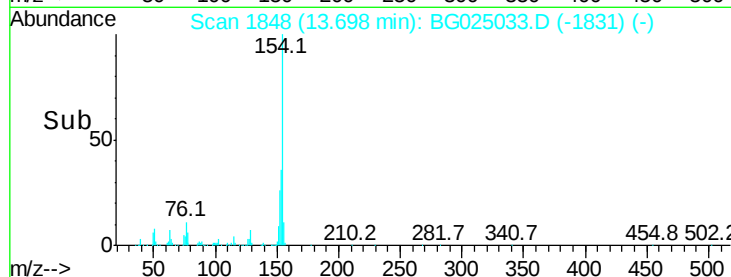
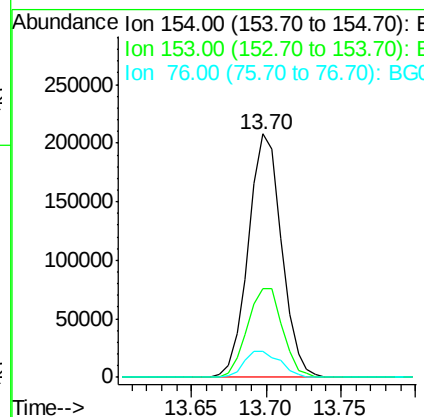
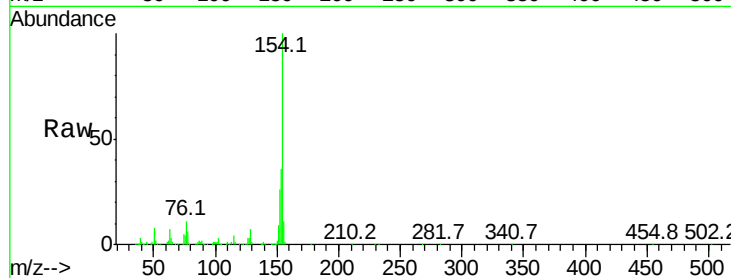
ClientSampleId :

DA7X2

Tot Ion:	154	Resp:	319360
Ion Ratio	Lower	Upper	
154	100		
153	36.3	32.2	48.2
76	10.8	9.6	14.4

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#44

Dimethylphthalate

Concen: 28.73 ng/ul

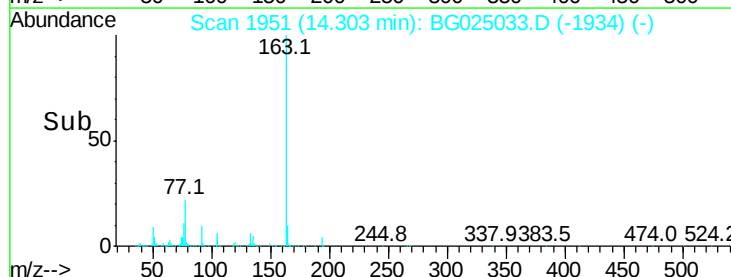
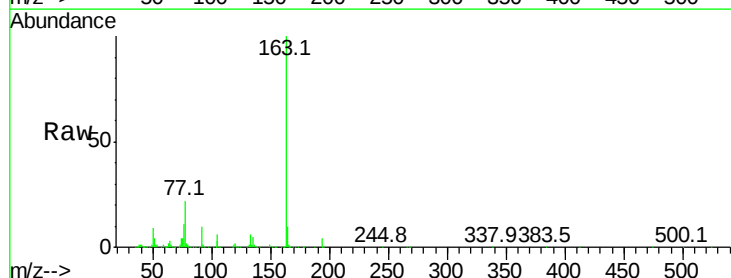
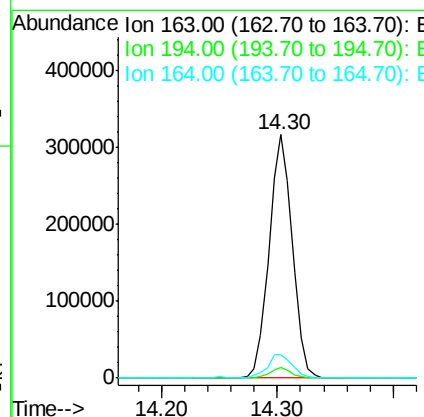
RT: 14.30 min Scan# 1951

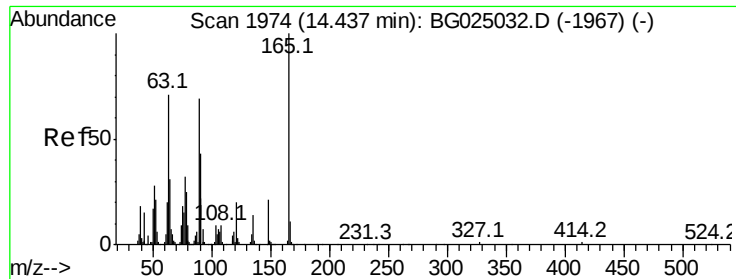
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	163	Resp:	445777
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.0
164	9.6	9.0	13.4





#45

2,6-Dinitrotoluene

Concen: 16.55 ng/ul

RT: 14.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

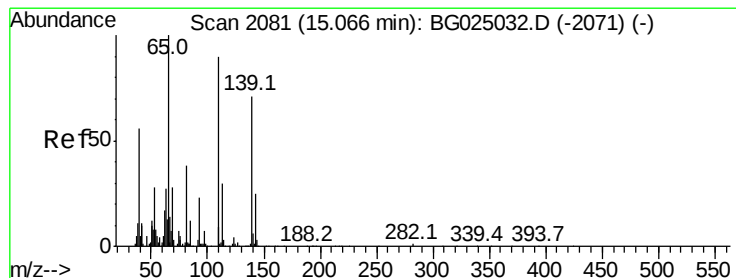
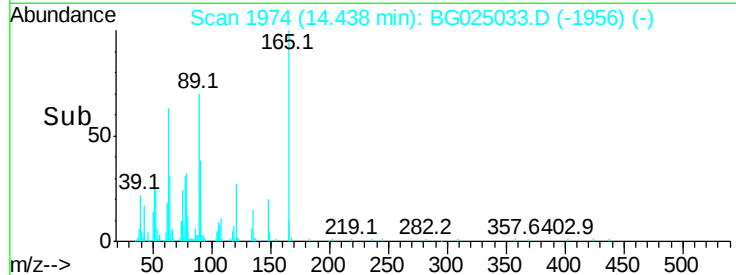
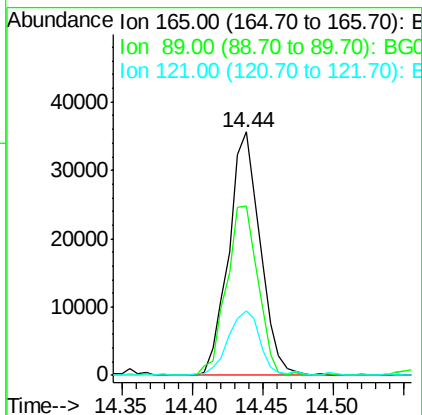
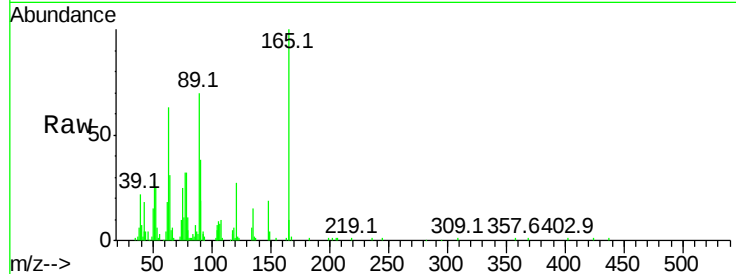
ClientSampled :

DA7X2

Tot Ion:	165	Resp:	55161
Ion Ratio	Lower	Upper	
165	100		
89	69.6	52.9	79.3
121	26.6	22.2	33.4

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#52

4-Nitrophenol

Concen: 42.91 ng/ul

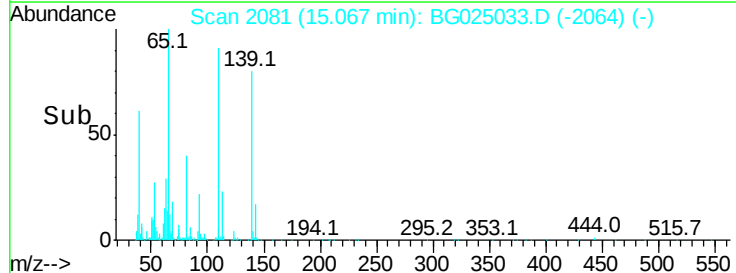
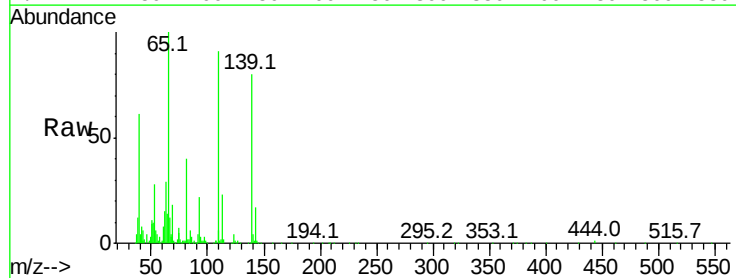
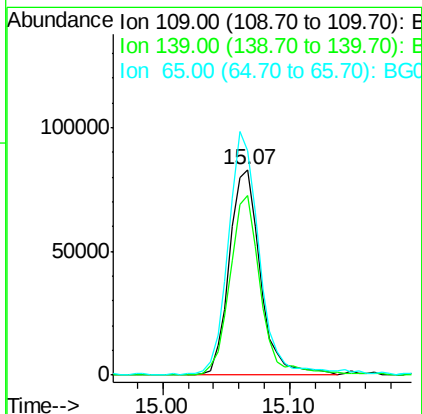
RT: 15.07 min Scan# 2081

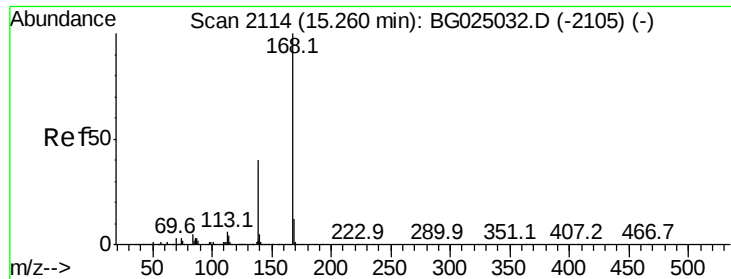
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	109	Resp:	140031
Ion Ratio	Lower	Upper	
109	100		
139	87.5	62.6	93.8
65	109.4	90.4	135.6





#53

Dibenzofuran

Concen: 10.78 ng/ul

RT: 15.26 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

ClientSampleId :

DA7X2

Tot Ion:168 Resp: 196289

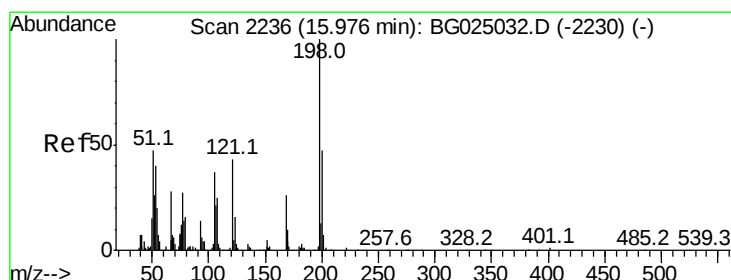
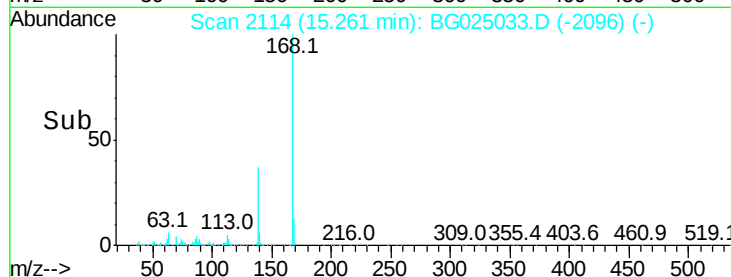
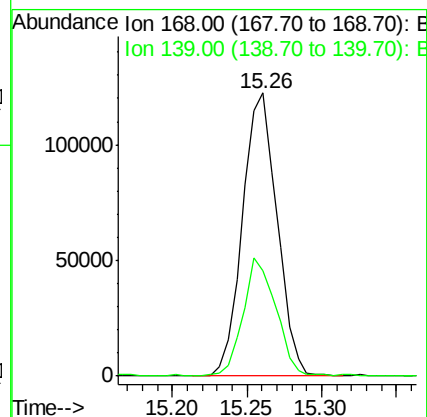
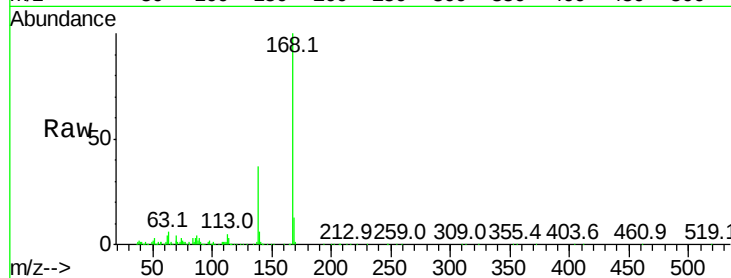
Ion Ratio Lower Upper

168 100

139 37.1 33.8 50.8

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#63

4,6-Dinitro-2-methylphenol

Concen: 22.42 ng/ul

RT: 15.98 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

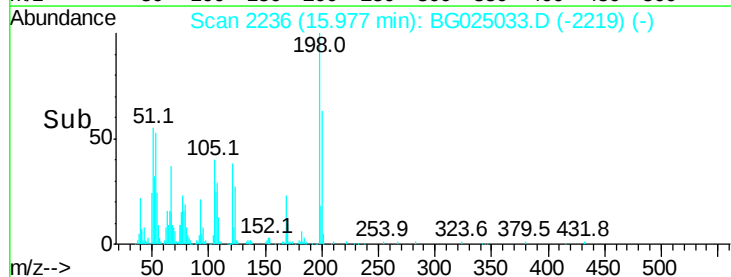
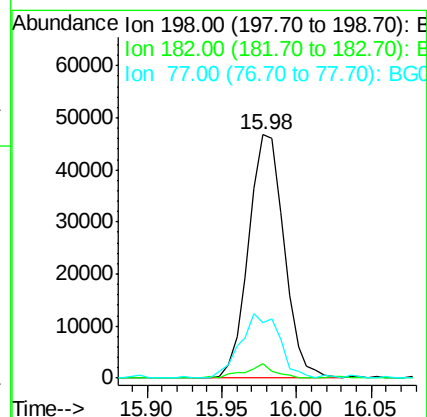
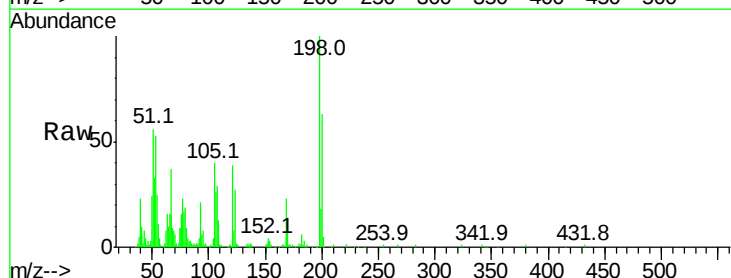
Tgt Ion:198 Resp: 76975

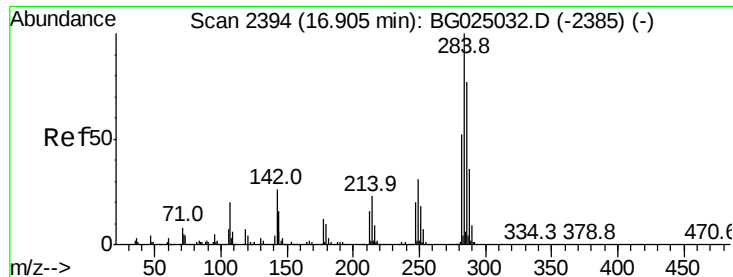
Ion Ratio Lower Upper

198 100

182 5.9 5.8 6.4

77 22.8 22.1 33.9





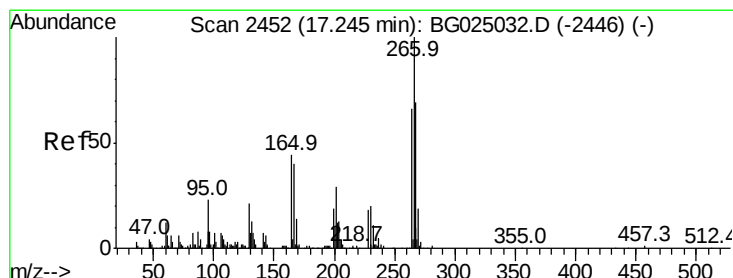
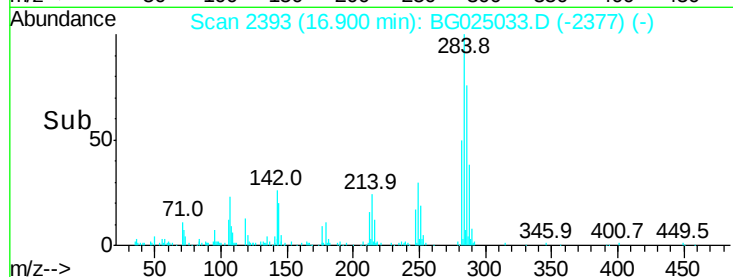
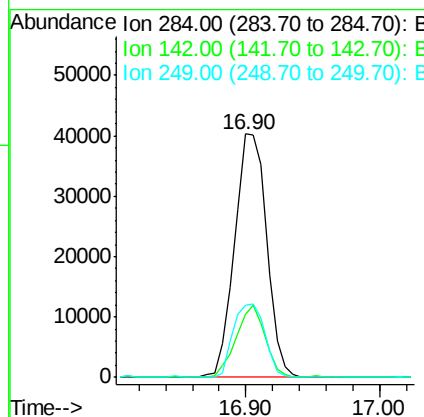
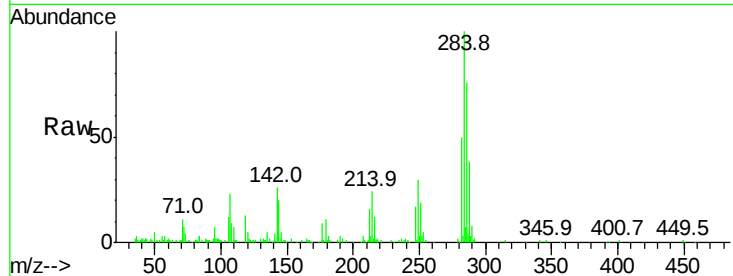
#66
Hexachlorobenzene
Concen: 9.86 ng/ul
RT: 16.90 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Instrument :
BNA_G
ClientSampled :
DA7X2

Tot Ion	Ratio	Lower	Upper
284	100		
142	26.0	26.1	39.1#
249	29.8	25.9	38.9

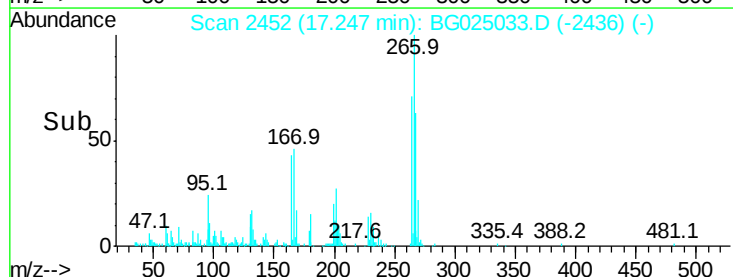
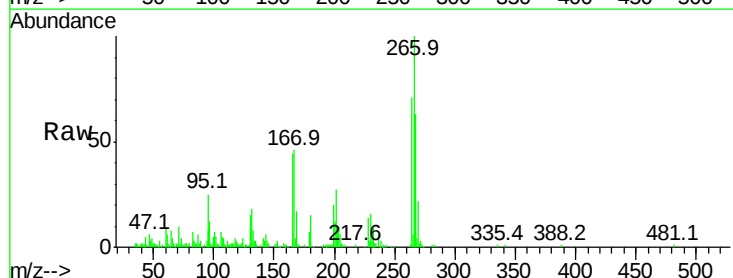
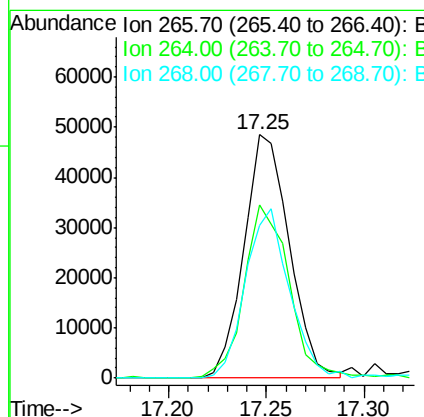
Manual Integrations
APPROVED

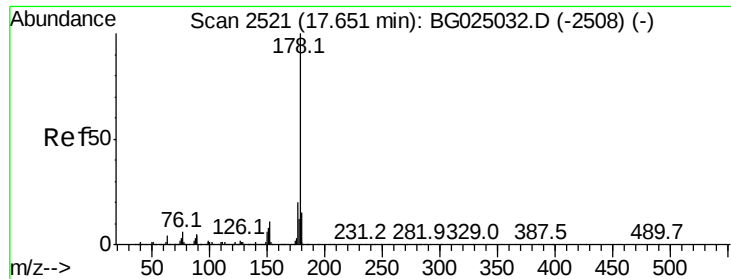
Sohil
12/12/2016 4:28:02 PM



#68
Pentachlorophenol
Concen: 19.07 ng/ul
RT: 17.25 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Tgt Ion	Ratio	Lower	Upper
266	100		
264	71.2	47.1	70.7#
268	62.8	56.2	84.4





#69

Phenanthrene

Concen: 28.14 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

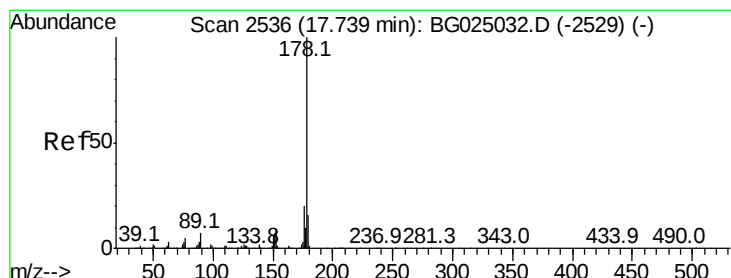
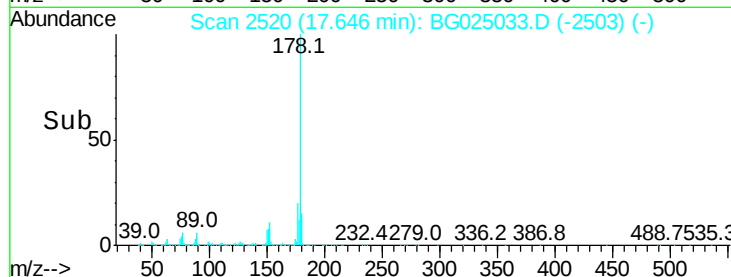
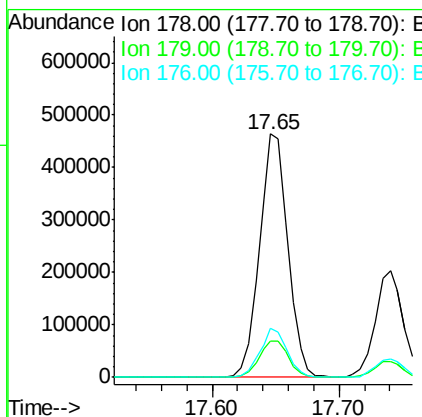
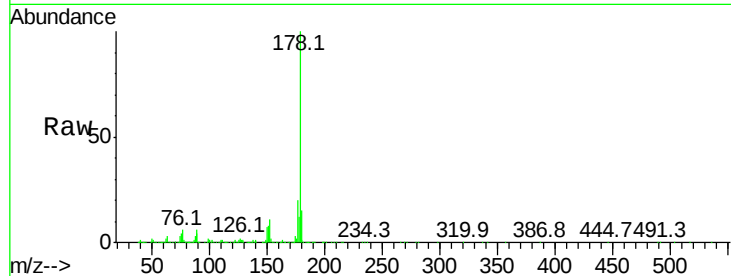
ClientSampleId :

DA7X2

Tot Ion:	178	Resp:	720162
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.4	18.6
176	20.0	16.5	24.7

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#71

Anthracene

Concen: 11.72 ng/ul

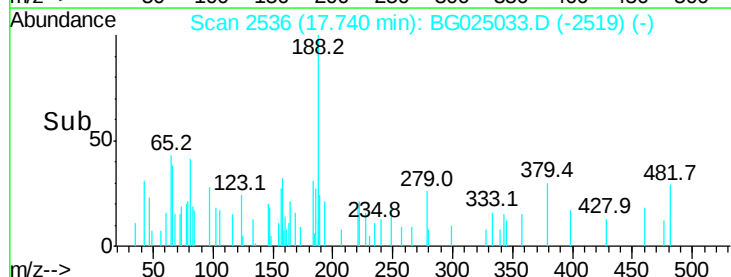
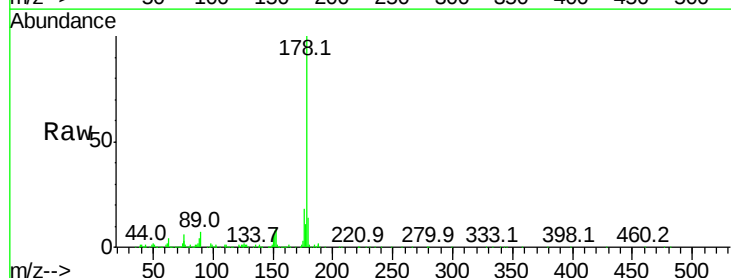
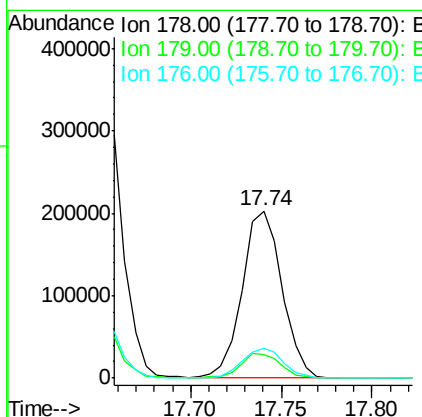
RT: 17.74 min Scan# 2536

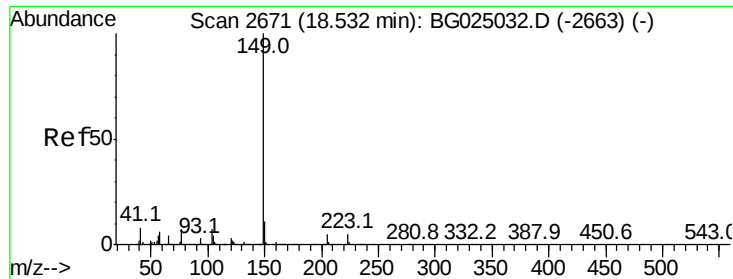
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	178	Resp:	308354
Ion Ratio	Lower	Upper	
178	100		
179	14.4	12.6	19.0
176	17.8	15.9	23.9





#73

Di-n-butylphthalate

Concen: 17.53 ng/ul

RT: 18.53 min Scan# 2671

Delta R.T. 0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

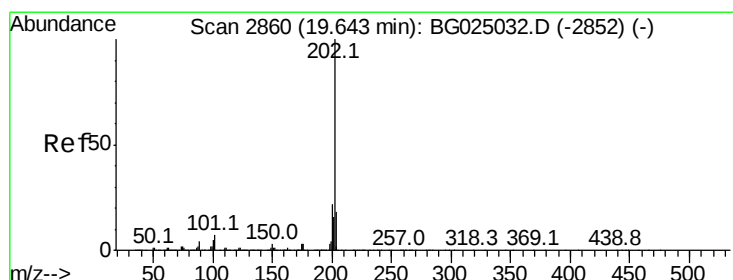
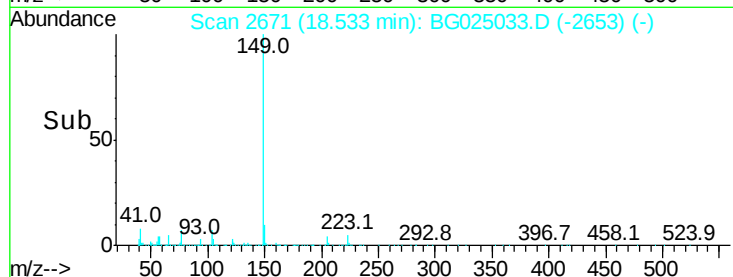
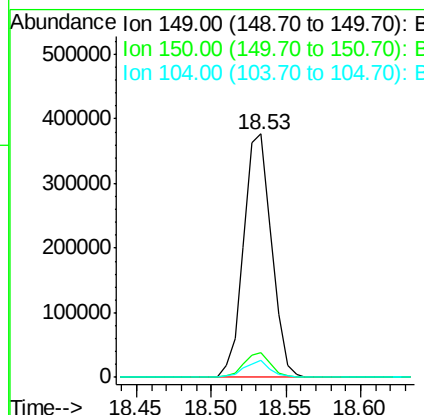
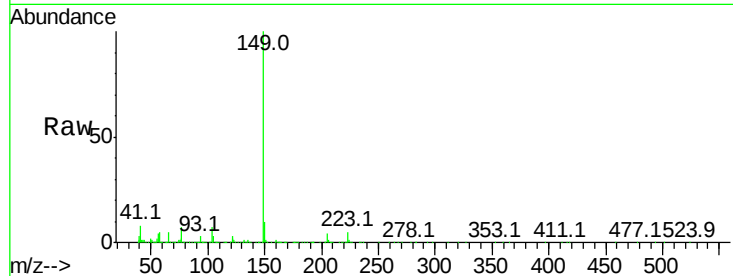
ClientSampleId :

DA7X2

Tot Ion:	149	Resp:	485701
Ion Ratio	Lower	Upper	
149	100		
150	10.4	7.9	11.9
104	7.2	5.8	8.8

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#74

Fluoranthene

Concen: 24.87 ng/ul

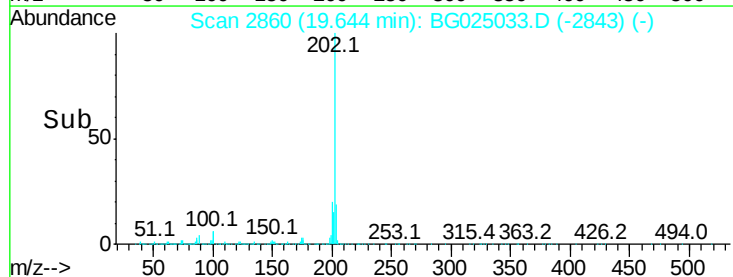
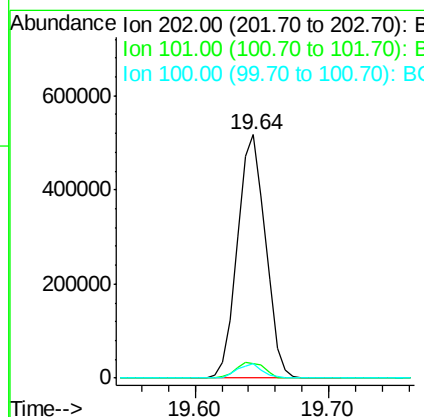
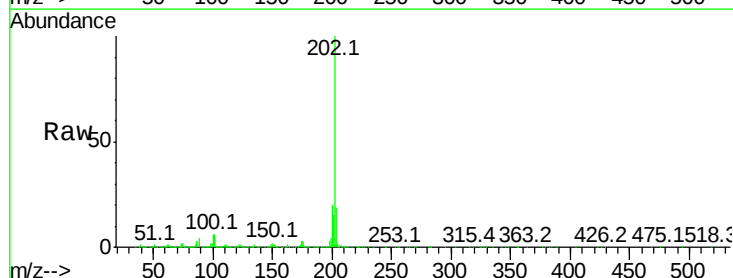
RT: 19.64 min Scan# 2860

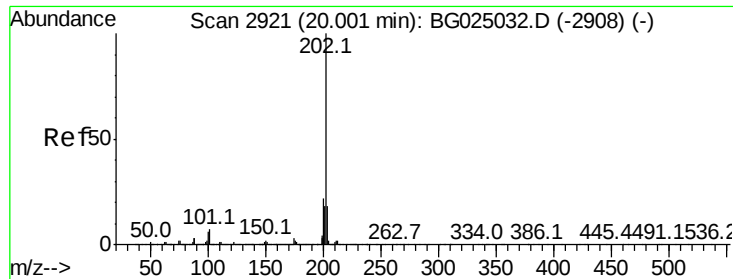
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	202	Resp:	756232
Ion Ratio	Lower	Upper	
202	100		
101	6.2	6.2	9.2
100	5.8	5.2	7.8





#77

Pvrene

Concen: 24.19 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

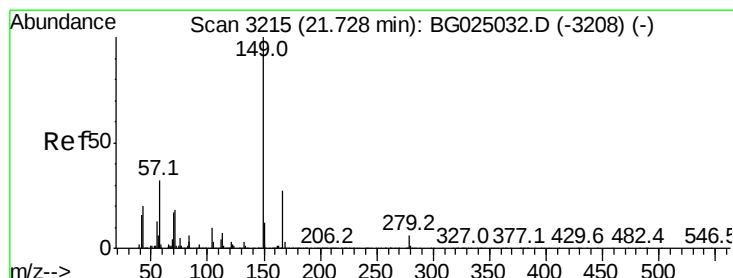
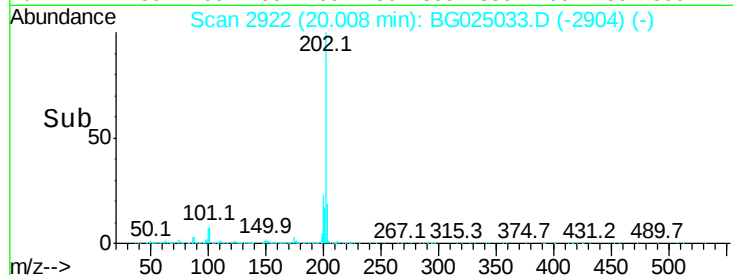
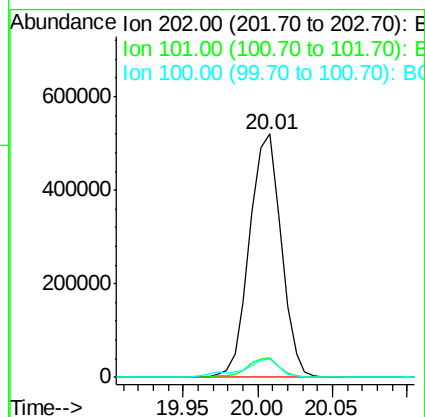
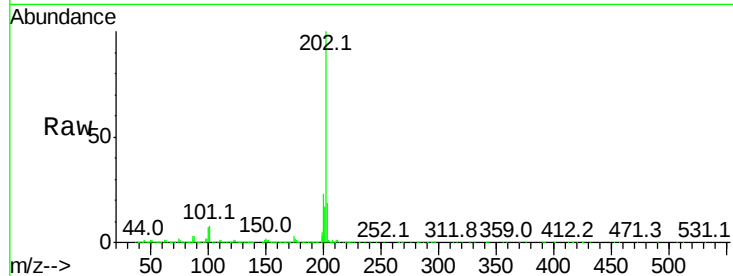
ClientSampleId :

DA7X2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.1	6.9	10.3
100	7.4	6.6	10.0

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#81

Bis(2-ethylhexyl)phthalate

Concen: 24.97 ng/ul

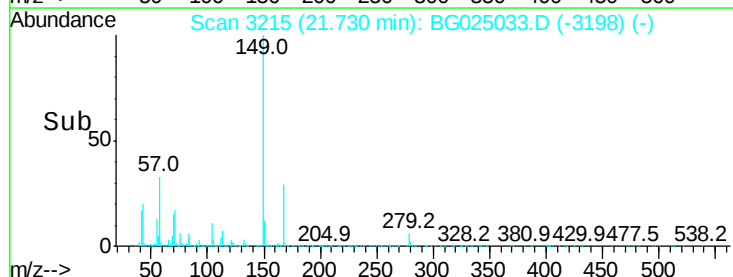
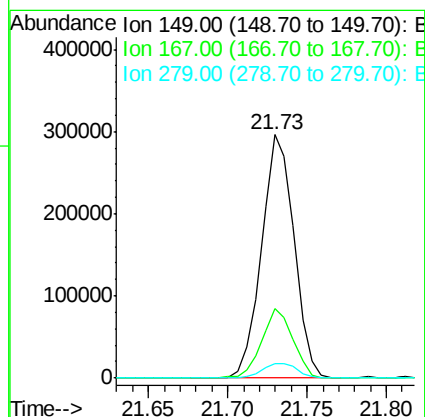
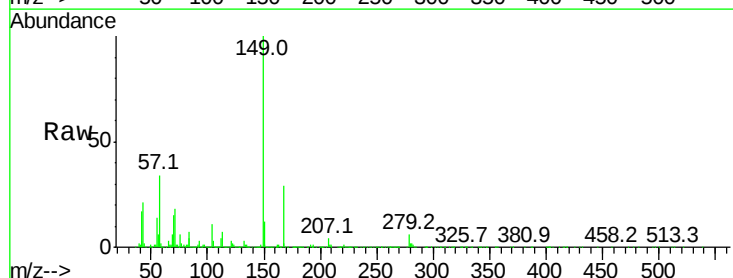
RT: 21.73 min Scan# 3215

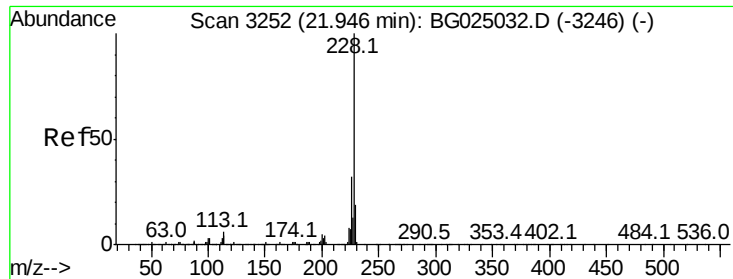
Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	28.7	21.8	32.8
279	6.0	4.5	6.7





#82

Chrysene

Concen: 21.13 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Instrument :

BNA_G

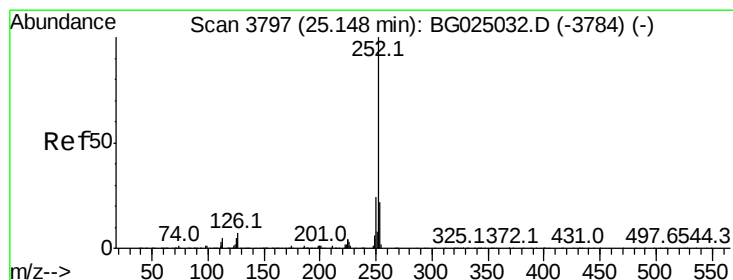
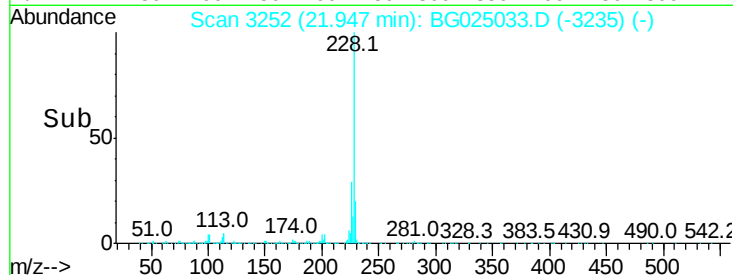
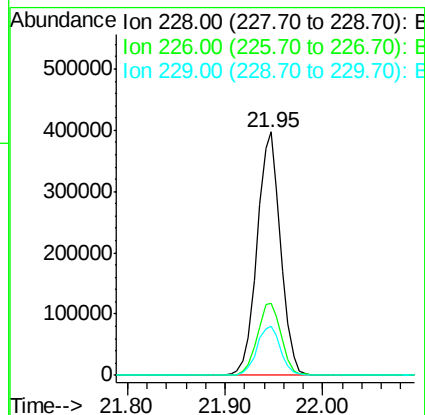
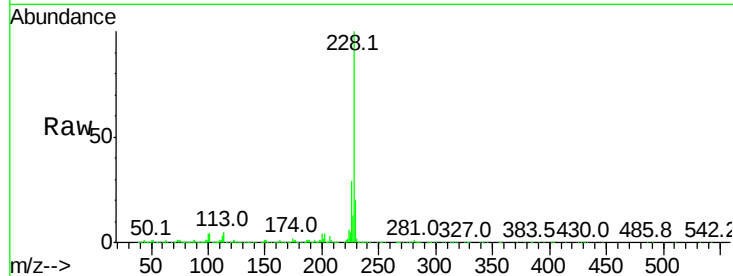
ClientSampled :

DA7X2

Tot Ion:	228	Resp:	672840
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.0	36.0
229	20.3	16.9	25.3

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#88

Benzo(a)pyrene

Concen: 19.89 ng/ul

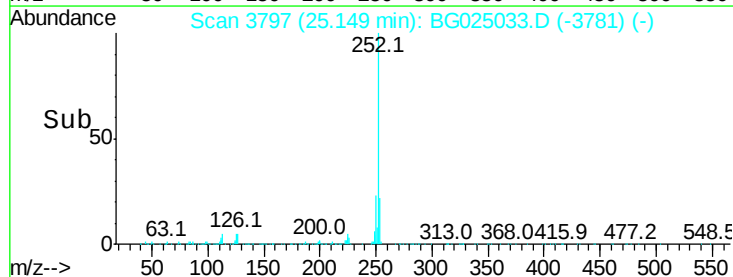
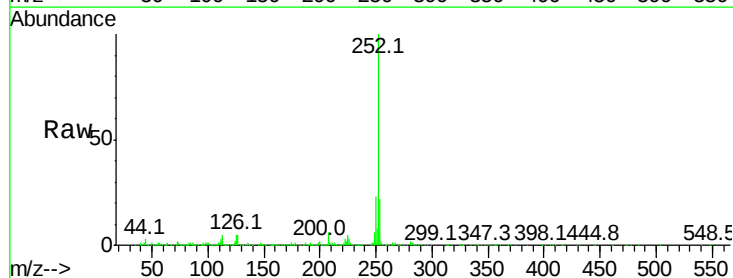
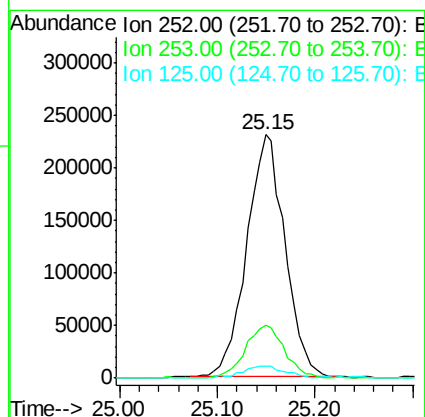
RT: 25.15 min Scan# 3797

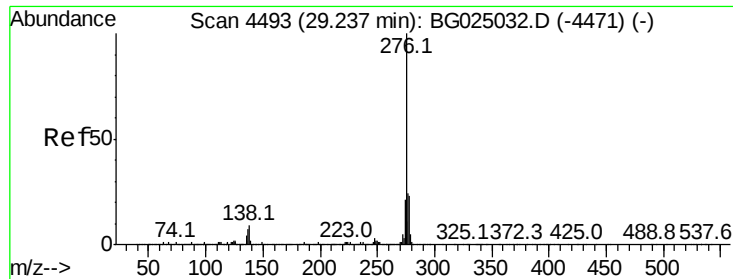
Delta R.T. -0.01 min

Lab File: BG025033.D

Acq: 9 Dec 2016 10:39

Tgt Ion:	252	Resp:	632059
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.6
125	4.7	5.4	8.0#





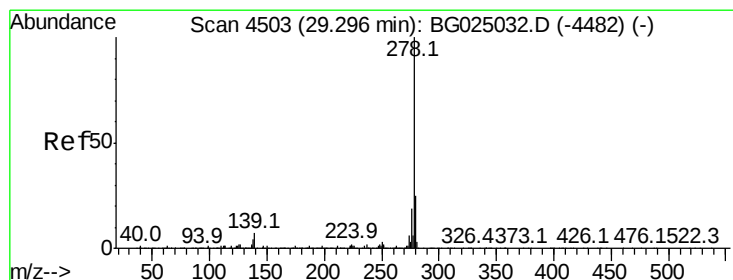
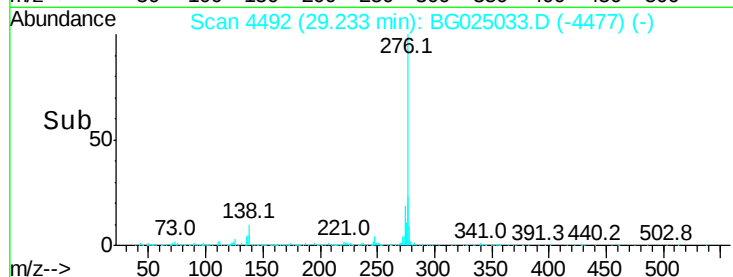
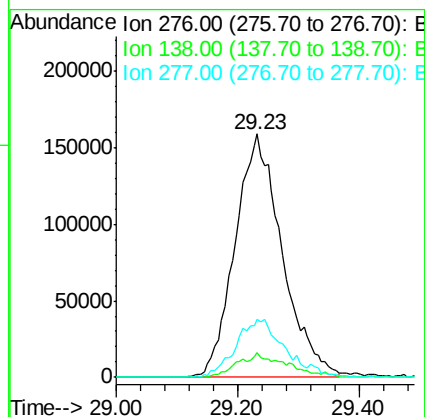
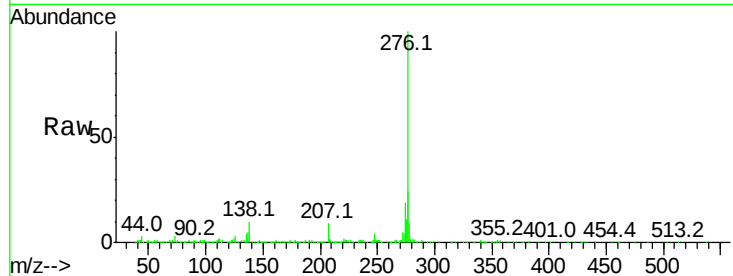
#89
Indeno(1,2,3-cd)pyrene
Concen: 21.67 ng/ul m
RT: 29.23 min Scan# 4492
Delta R.T. -0.01 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Instrument :
BNA_G
ClientSampleId :
DA7X2

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.9	8.2	12.4
277	24.0	18.6	28.0

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:02 PM



#90
Dibenzo(a,h)anthracene
Concen: 13.75 ng/ul m
RT: 29.28 min Scan# 4500
Delta R.T. -0.01 min
Lab File: BG025033.D
Acq: 9 Dec 2016 10:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.1	6.7	10.1
279	23.1	20.9	31.3

