

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
 Data File : BG024926.D
 Acq On : 24 Nov 2016 3:38
 Operator : UM/SJ
 Sample : H5701-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4WD7

Manual Integrations
 APPROVED

sohil
 11/28/2016 4:50:04 PM

Quant Time: Nov 25 02:08:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 24 01:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	82773	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	376883	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	315211	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	742977m	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	923914	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	980713	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	4524	2.59	ng/uL	0.00
5) Phenol-d5	7.39	99	144156	18.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	88846	18.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	92094	17.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	113063	17.16	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	57990	19.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	69425	20.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	125206	17.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	108882	14.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	439276	18.95	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	515623	20.22	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	69761	17.11	ng/ul	0.00
57) Fluorene-d10	15.85	176	424270	19.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	79092	15.00	ng/ul	0.00
70) Anthracene-d10	17.71	188	705721	20.88	ng/ul	0.00
76) Pyrene-d10	19.98	212	968966	23.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1009579	23.15	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.42	94	28703	3.64	ng/ul	89
14) Acetophenone	9.08	105	13065	1.37	ng/ul#	71
28) Naphthalene	11.12	128	29009	1.58	ng/ul#	93
44) Dimethylphthalate	14.30	163	57418	2.53	ng/ul#	89
49) Acenaphthene	14.94	153	27728	1.63	ng/ul	97
53) Dibenzofuran	15.26	168	32314	1.23	ng/ul	98
58) Fluorene	15.91	166	38928	1.80	ng/ul	97
69) Phenanthrene	17.65	178	486115m	12.72	ng/ul	
71) Anthracene	17.74	178	121048	3.08	ng/ul	96
72) Carbazole	18.01	167	55494	1.71	ng/ul	100
74) Fluoranthene	19.65	202	670364	15.21	ng/ul	97
77) Pyrene	20.01	202	578189	12.07	ng/ul	97
80) Benzo(a)anthracene	21.88	228	370175	7.29	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.73	149	31490	1.19	ng/ul	99
82) Chrysene	21.95	228	328825	6.87	ng/ul	96
85) Benzo(b)fluoranthene	24.22	252	372772m	7.13	ng/ul	
86) Benzo(k)fluoranthene	24.29	252	156577m	3.13	ng/ul	
88) Benzo(a)pyrene	25.16	252	291057	5.72	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.23	276	184542	2.96	ng/ul#	91
91) Benzo(g,h,i)perylene	30.48	276	151317	2.95	ng/ul#	88

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

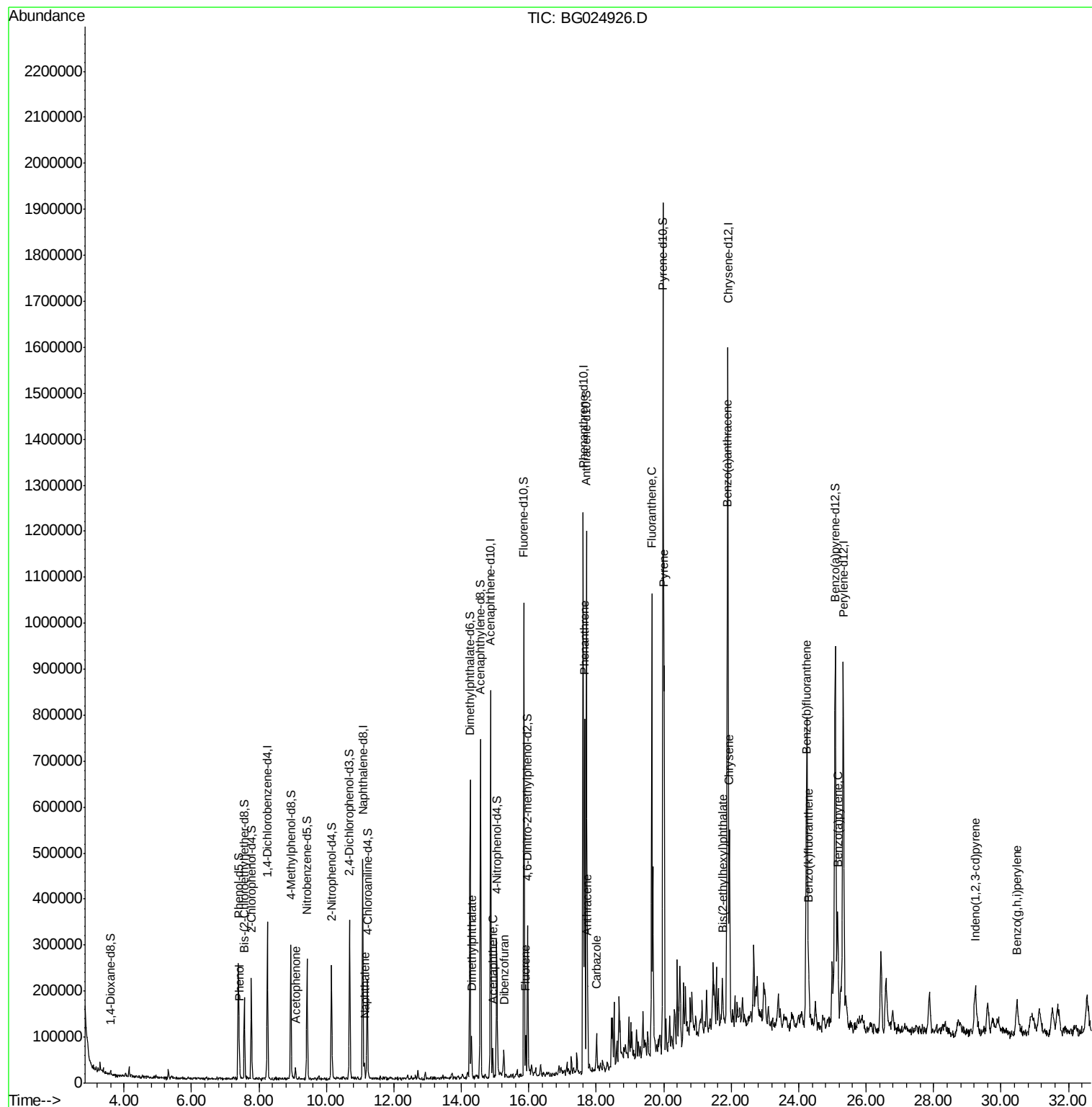
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112316\
Data File : BG024926.D
Acq On : 24 Nov 2016 3:38
Operator : UM/SJ
Sample : H5701-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

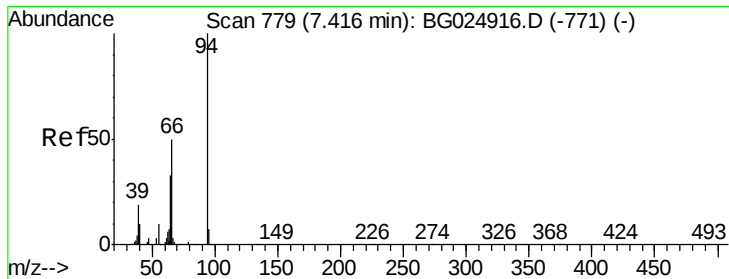
Instrument :
BNA_G
ClientSampleId :
A4WD7

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM

Quant Time: Nov 25 02:08:13 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 24 01:29:39 2016
Response via : Initial Calibration





#6

Phenol

Concen: 3.64 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

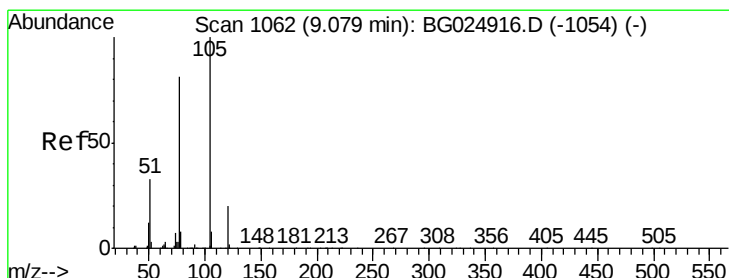
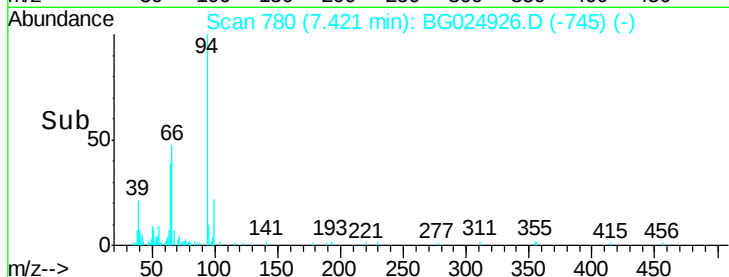
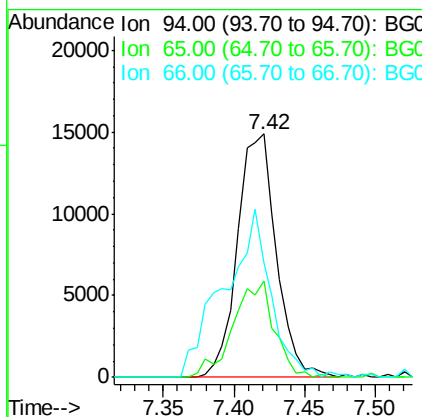
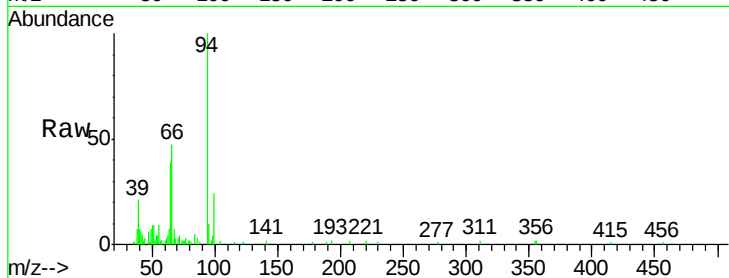
ClientSampleId :

A4WD7

Tgt Ion:	94	Resp:	28703
Ion Ratio	Lower	Upper	
94	100		
65	39.5	26.8	40.2
66	47.1	44.4	66.6

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#14

Acetophenone

Concen: 1.37 ng/ul

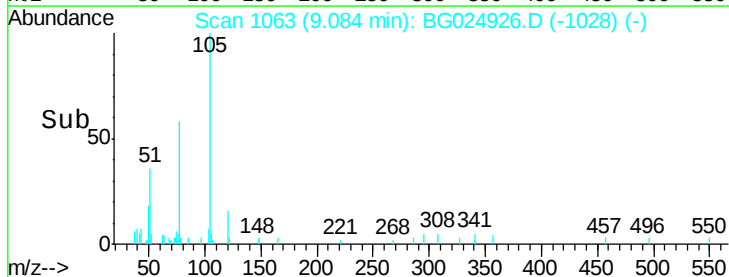
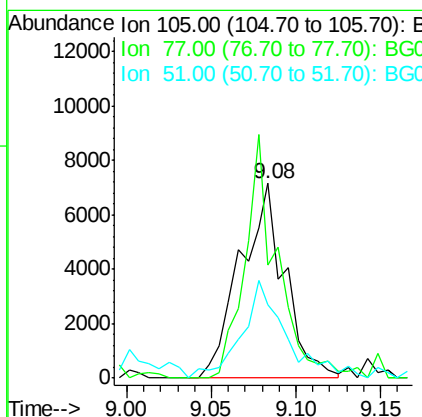
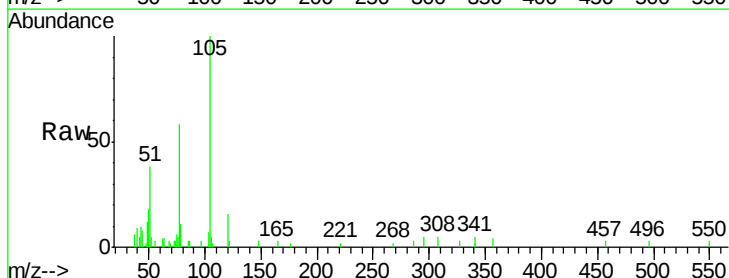
RT: 9.08 min Scan# 1063

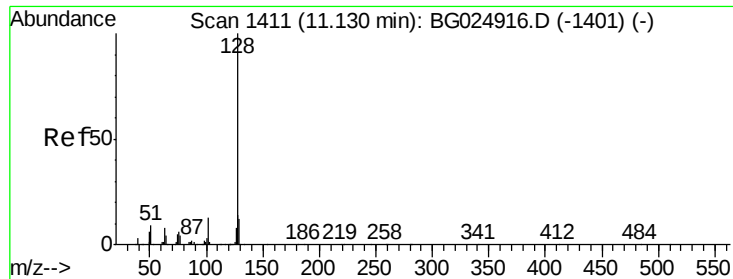
Delta R.T. 0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion:	105	Resp:	13065
Ion Ratio	Lower	Upper	
105	100		
77	57.9	76.0	114.0#
51	38.0	34.8	52.2





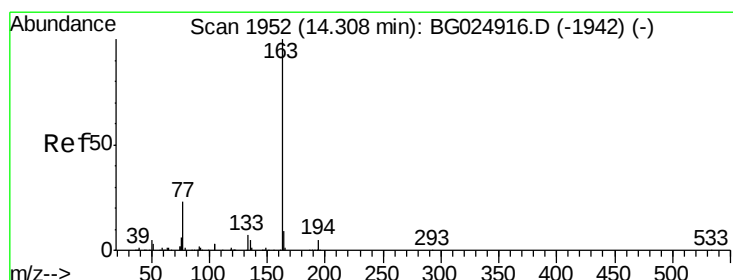
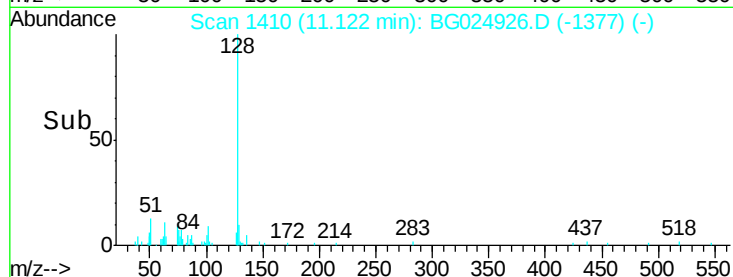
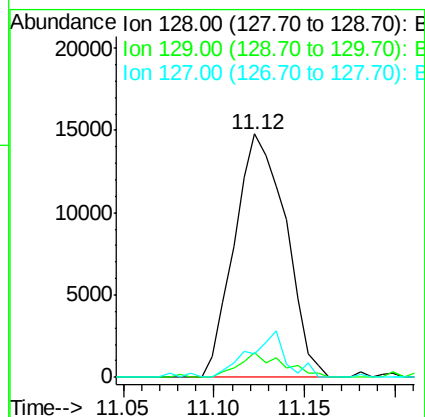
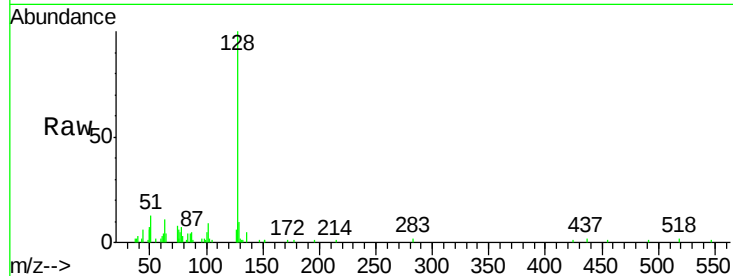
#28
Naphthalene
Concen: 1.58 ng/ul
RT: 11.12 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Instrument :
BNA_G
ClientSampleId :
A4WD7

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.1	9.4	14.2
127	9.4	10.3	15.5#

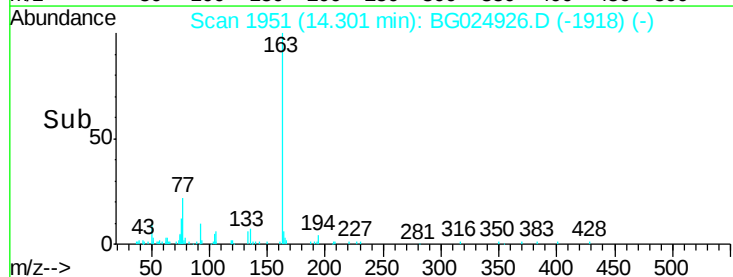
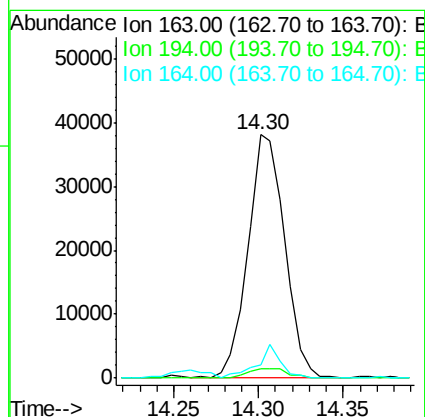
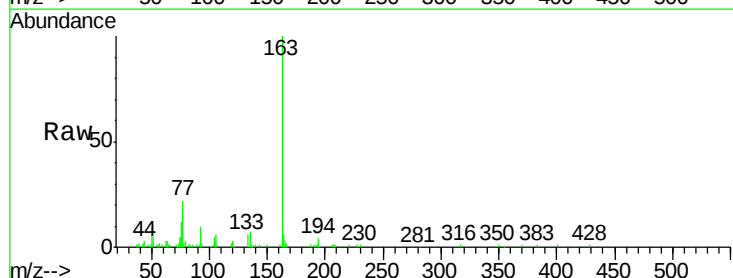
Manual Integrations
APPROVED

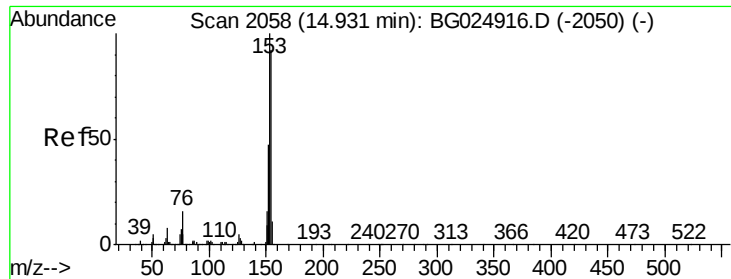
sohil
11/28/2016 4:50:04 PM



#44
Dimethylphthalate
Concen: 2.53 ng/ul
RT: 14.30 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.6	3.4	5.0
164	5.7	9.0	13.4#





#49

Acenaphthene

Concen: 1.63 ng/ul

RT: 14.94 min Scan# 2059

Delta R.T. 0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

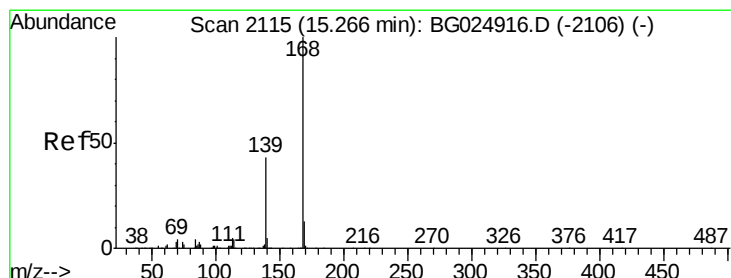
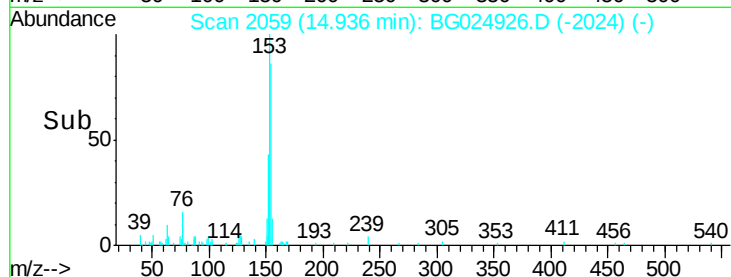
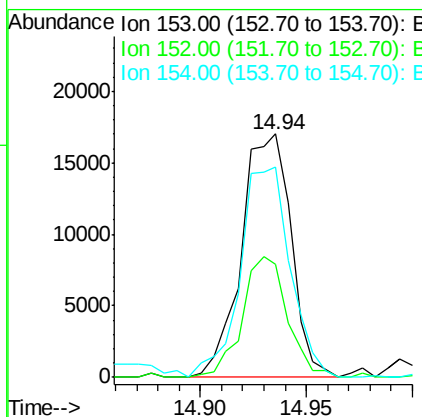
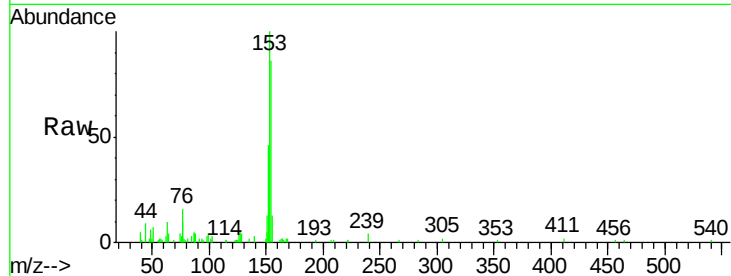
ClientSampleId :

A4WD7

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.3	36.5	54.7
154	86.4	72.3	108.5

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#53

Dibenzofuran

Concen: 1.23 ng/ul

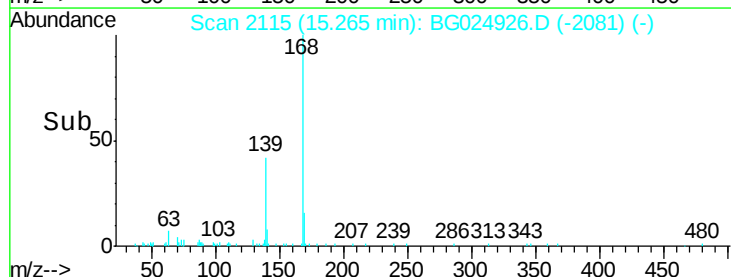
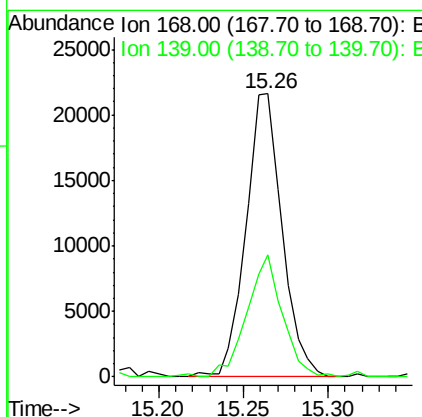
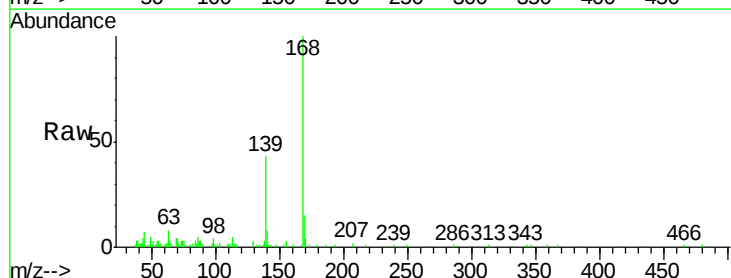
RT: 15.26 min Scan# 2115

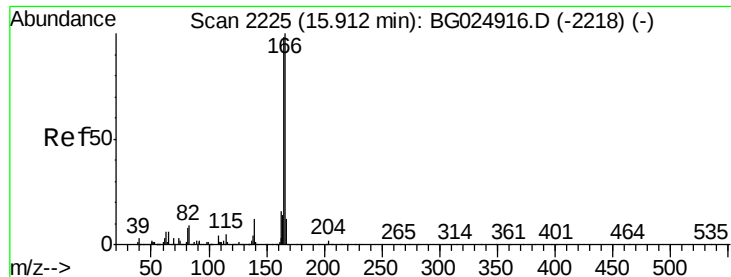
Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.3	33.8	50.8





#58

Fluorene

Concen: 1.80 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

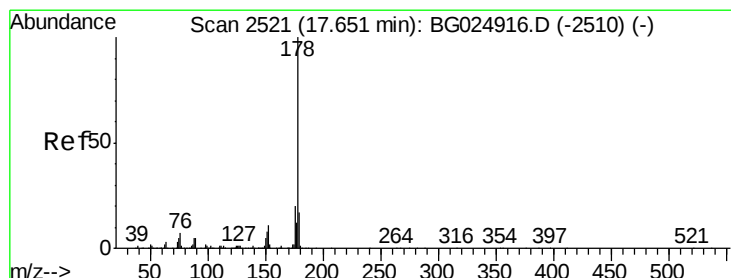
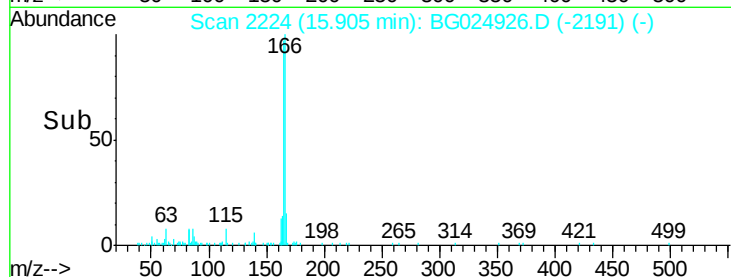
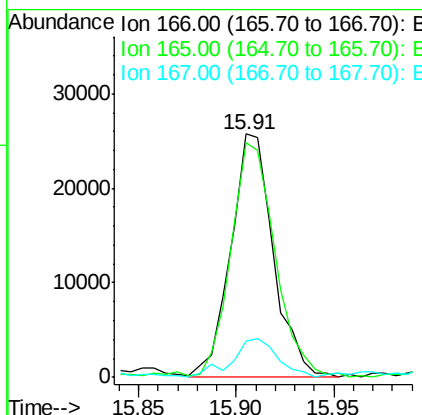
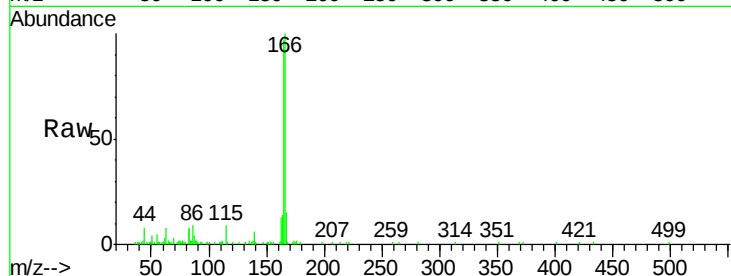
ClientSampleId :

A4WD7

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	79.7	119.5
167	14.9	11.4	17.2

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#69

Phenanthrene

Concen: 12.72 ng/ul m

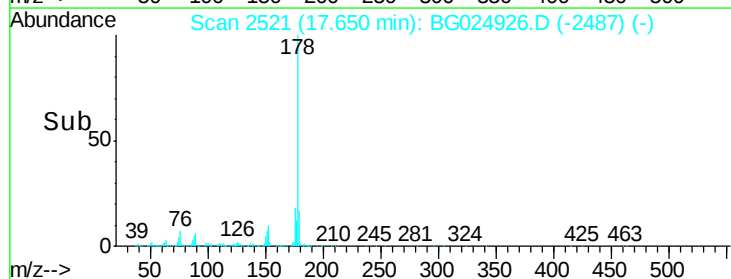
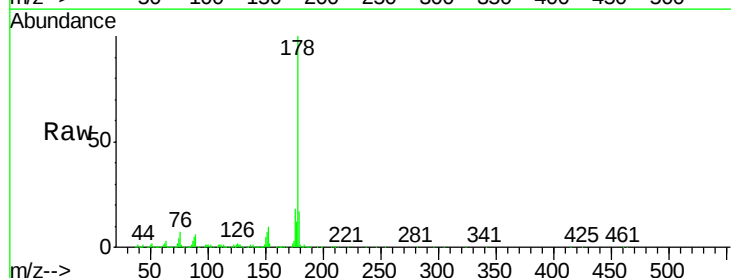
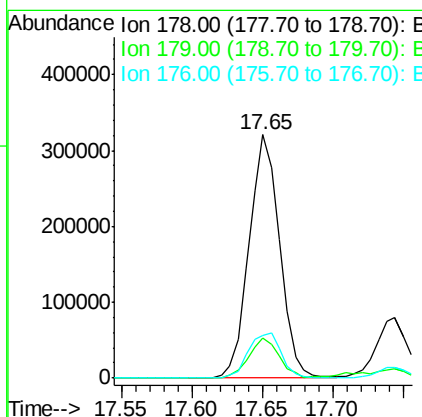
RT: 17.65 min Scan# 2521

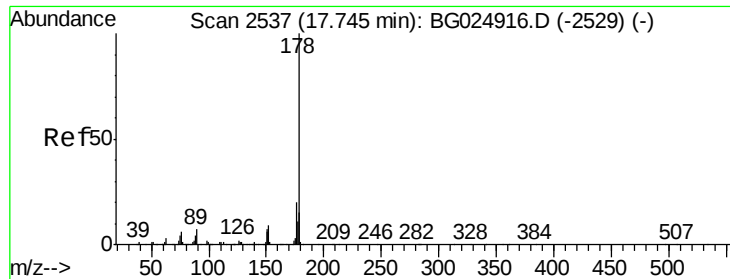
Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.4	18.6
176	17.7	16.5	24.7





#71

Anthracene

Concen: 3.08 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

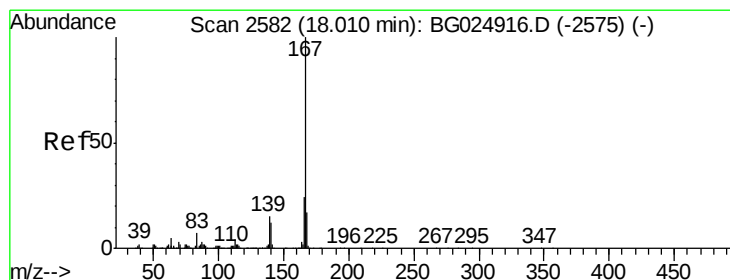
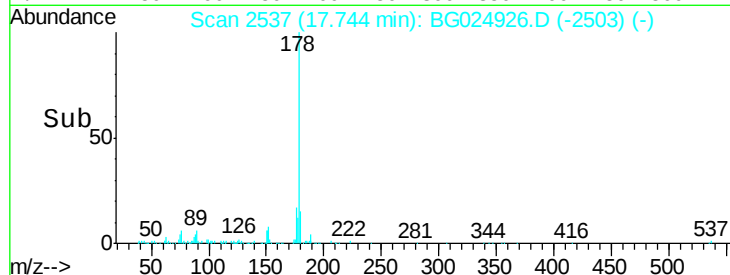
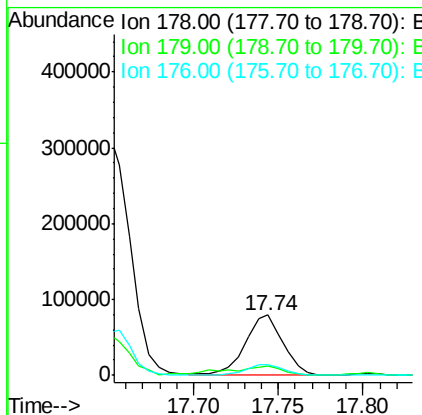
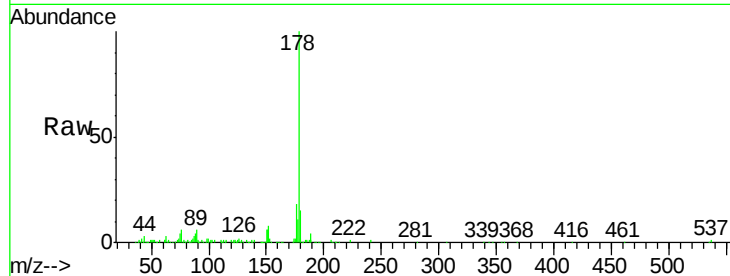
ClientSampleId :

A4WD7

Tgt Ion:	178	Resp:	121048
Ion Ratio	Lower	Upper	
178	100		
179	14.8	12.6	19.0
176	17.8	15.9	23.9

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#72

Carbazole

Concen: 1.71 ng/ul

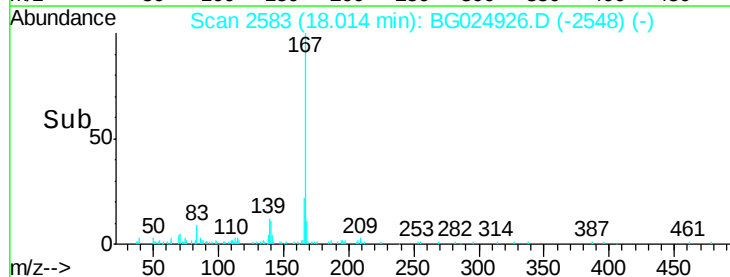
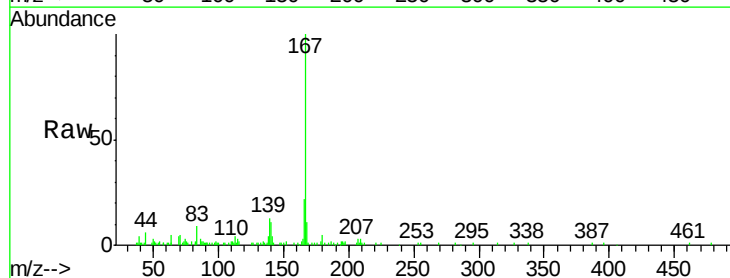
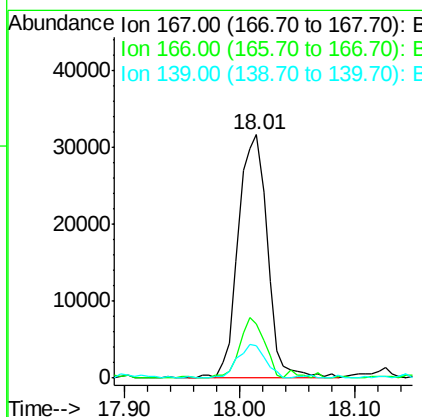
RT: 18.01 min Scan# 2583

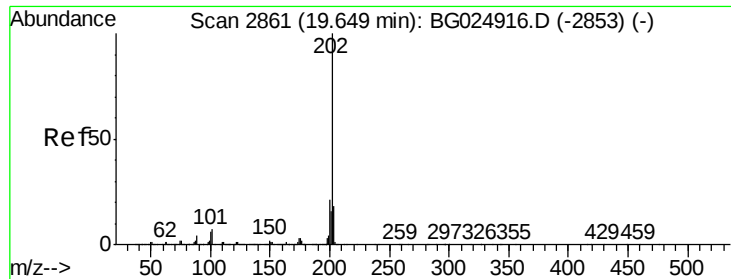
Delta R.T. 0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion:	167	Resp:	55494
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.9	26.9
139	13.4	10.5	15.7





#74

Fluoranthene

Concen: 15.21 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

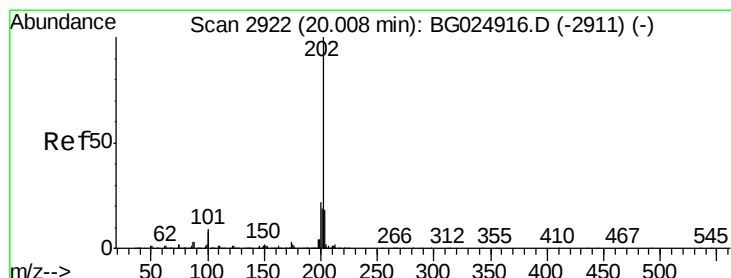
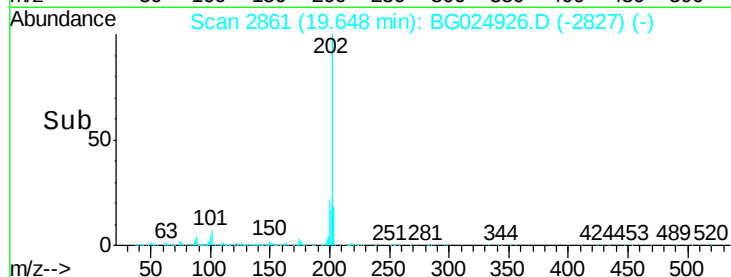
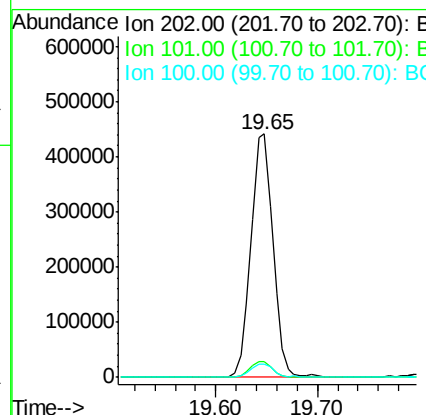
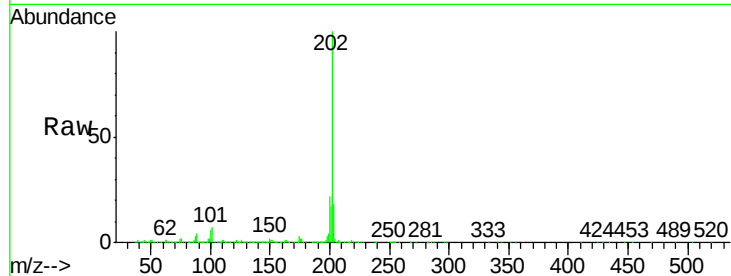
ClientSampled :

A4WD7

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		670364		
101	6.6	6.2	9.2		
100	5.6	5.2	7.8		

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#77

Pyrene

Concen: 12.07 ng/ul

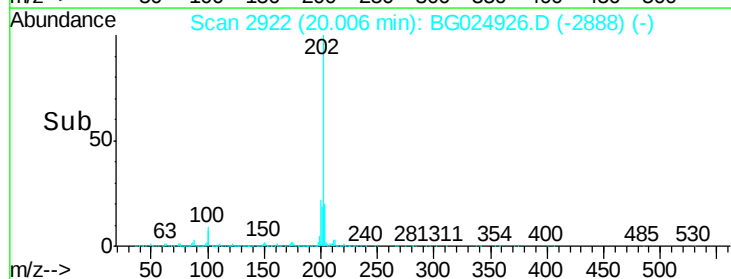
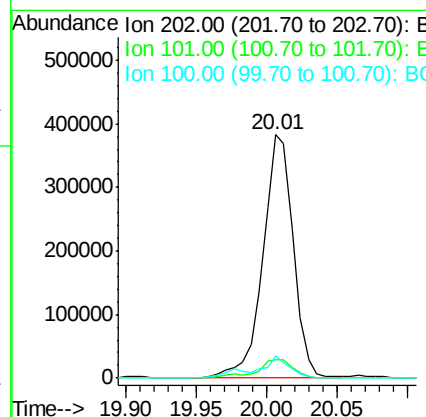
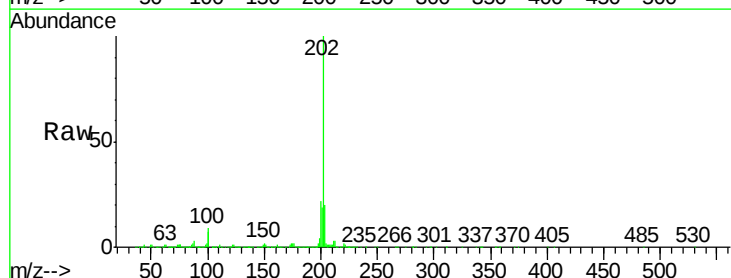
RT: 20.01 min Scan# 2922

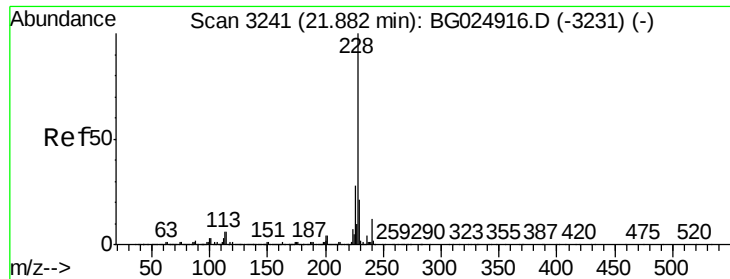
Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		578189		
101	7.5	6.9	10.3		
100	9.2	6.6	10.0		





#80

Benzo(a)anthracene

Concen: 7.29 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

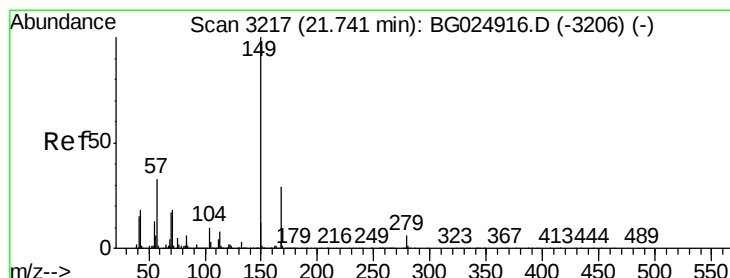
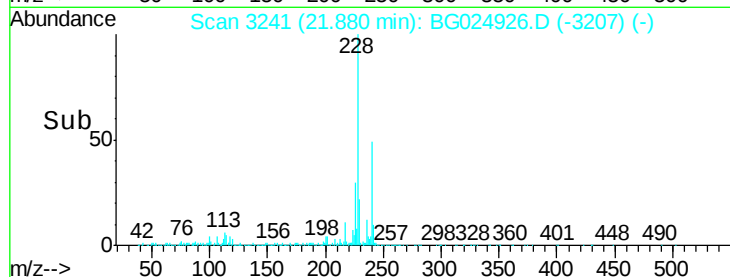
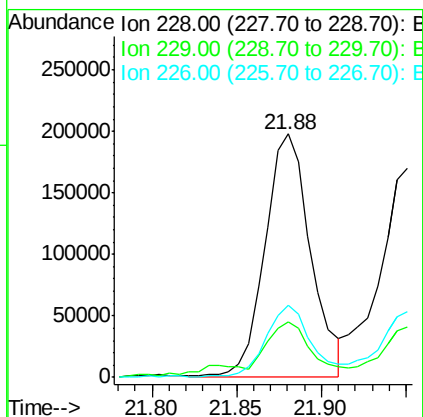
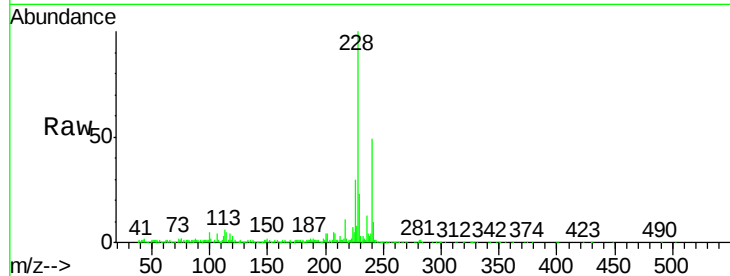
ClientSampleId :

A4WD7

Tgt Ion:	228	Resp:	370175
Ion Ratio	Lower	Upper	
228	100		
229	23.0	16.3	24.5
226	29.8	21.9	32.9

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.19 ng/ul

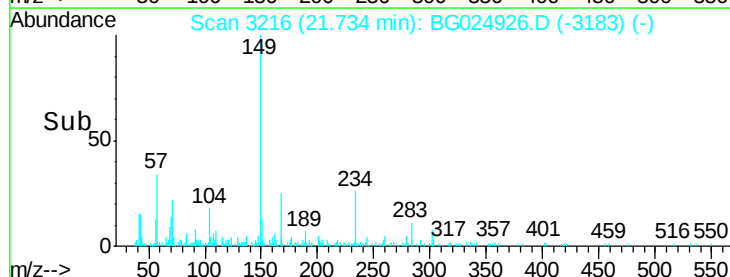
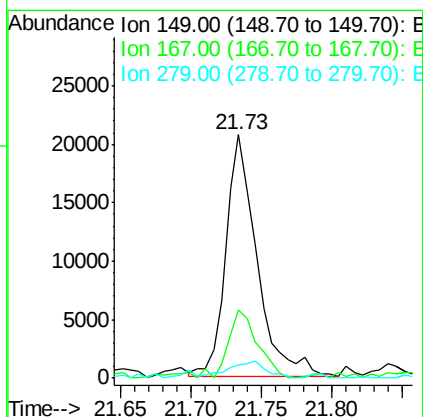
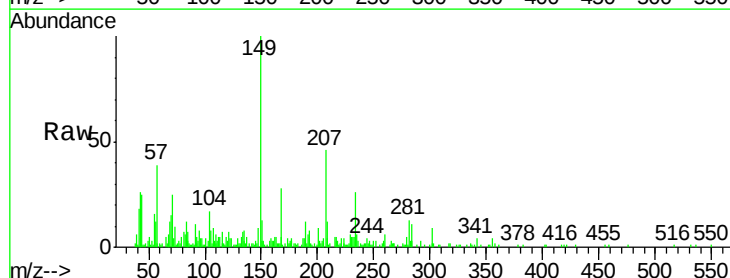
RT: 21.73 min Scan# 3216

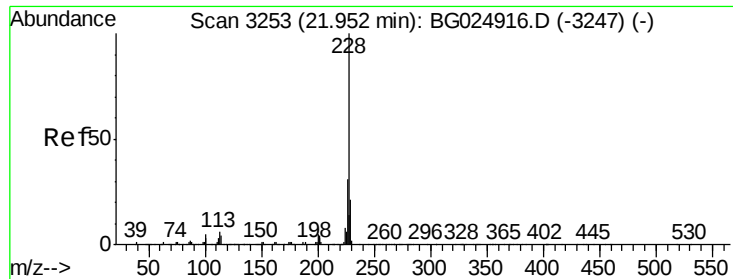
Delta R.T. -0.01 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion:	149	Resp:	31490
Ion Ratio	Lower	Upper	
149	100		
167	28.0	21.8	32.8
279	5.3	4.5	6.7





#82

Chrysene

Concen: 6.87 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Instrument :

BNA_G

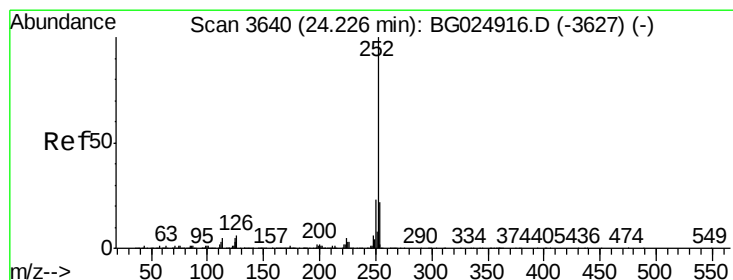
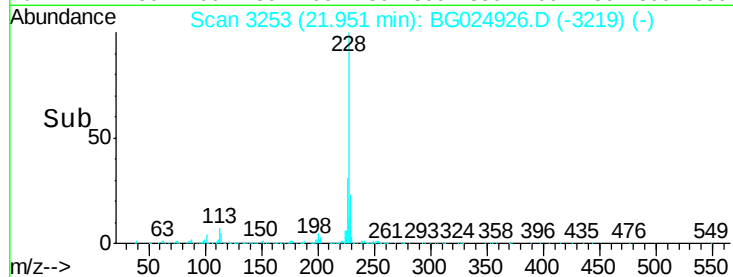
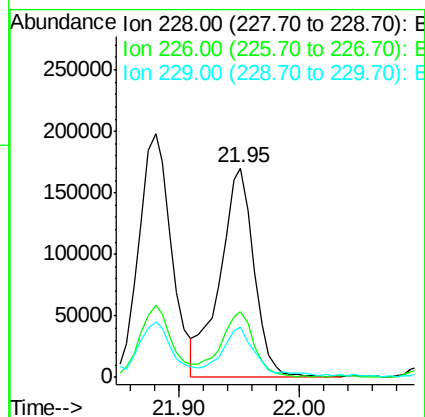
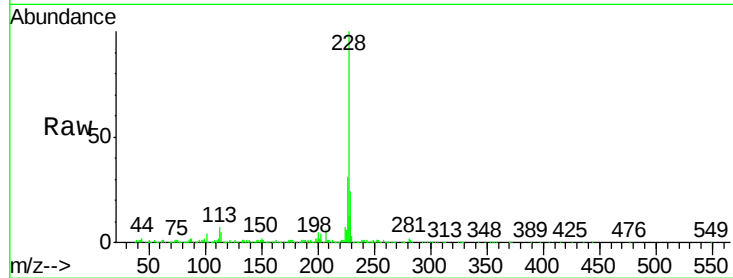
ClientSampled :

A4WD7

Tgt Ion:	228	Resp:	328825
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.0	36.0
229	24.1	16.9	25.3

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#85

Benzo(b)fluoranthene

Concen: 7.13 ng/ul m

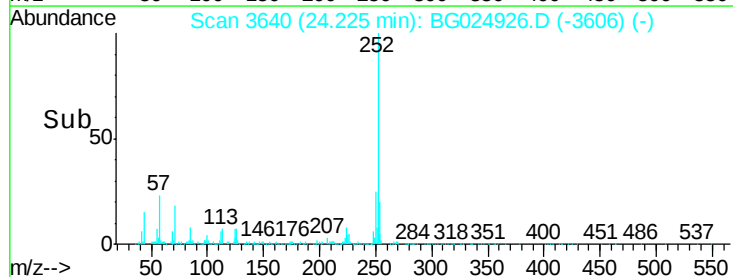
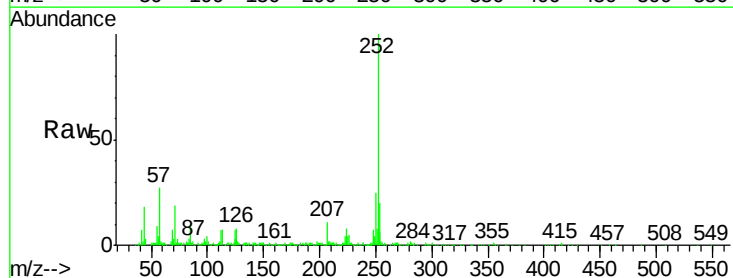
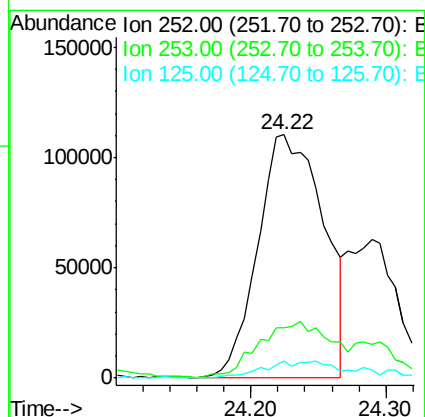
RT: 24.22 min Scan# 3640

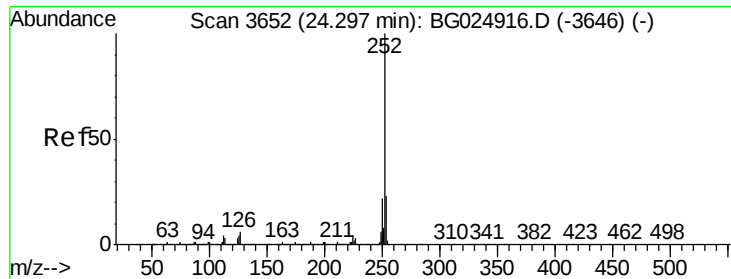
Delta R.T. -0.00 min

Lab File: BG024926.D

Acq: 24 Nov 2016 3:38

Tgt Ion:	252	Resp:	372772
Ion Ratio	Lower	Upper	
252	100		
253	20.4	17.7	26.5
125	7.2	4.0	6.0#





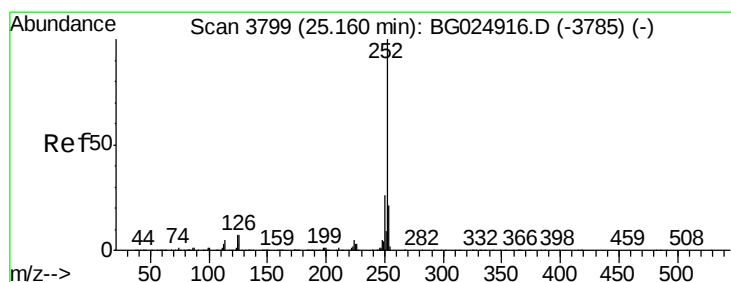
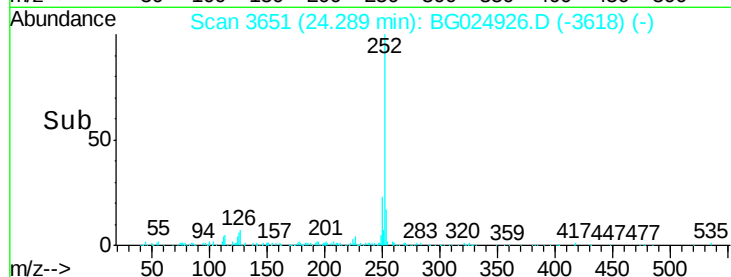
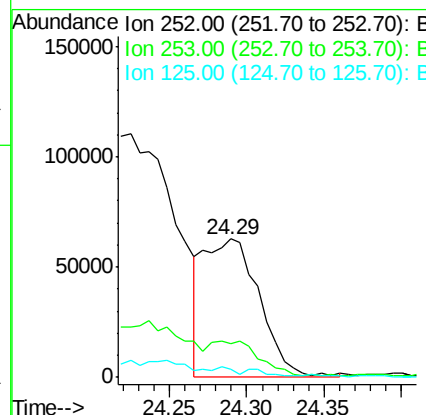
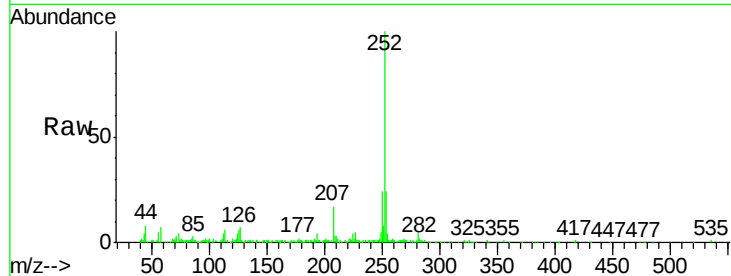
#86
Benzo(k)fluoranthene
Concen: 3.13 ng/ul m
RT: 24.29 min Scan# 3651
Delta R.T. -0.01 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Instrument :
BNA_G
ClientSampled :
A4WD7

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	18.5	27.7
125	6.2	4.1	6.1#

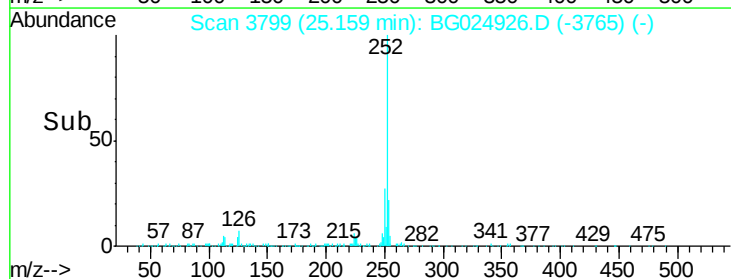
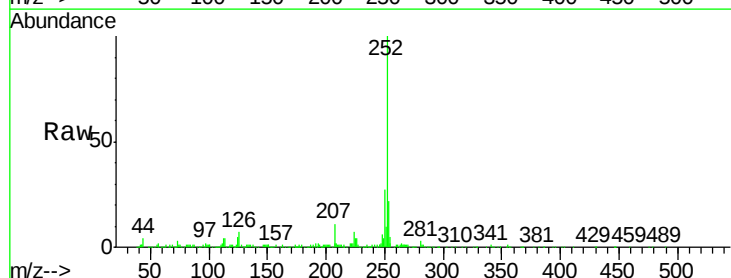
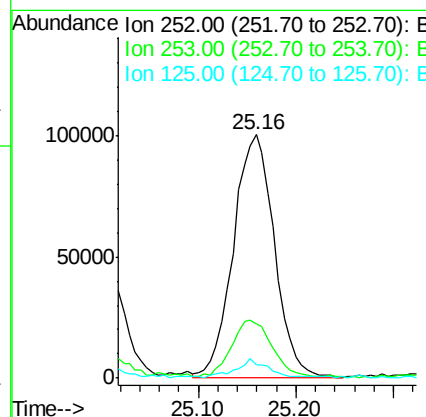
Manual Integrations
APPROVED

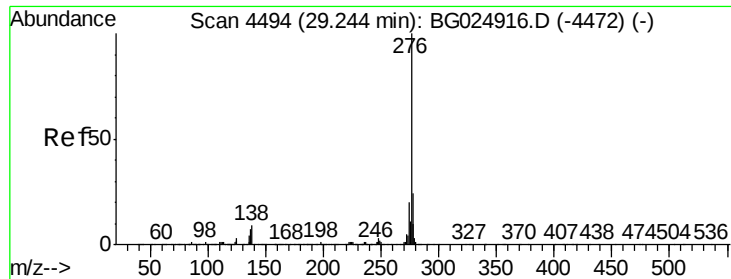
sohil
11/28/2016 4:50:04 PM



#88
Benzo(a)pyrene
Concen: 5.72 ng/ul
RT: 25.16 min Scan# 3799
Delta R.T. -0.00 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.8	26.6
125	5.4	5.4	8.0





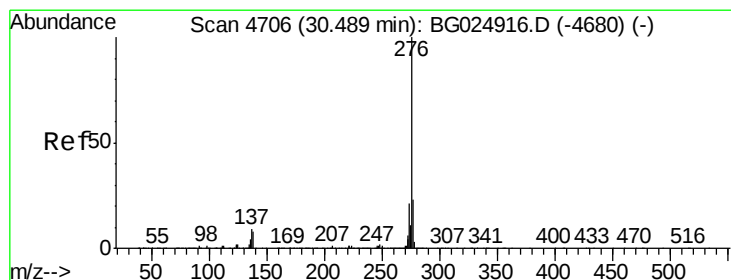
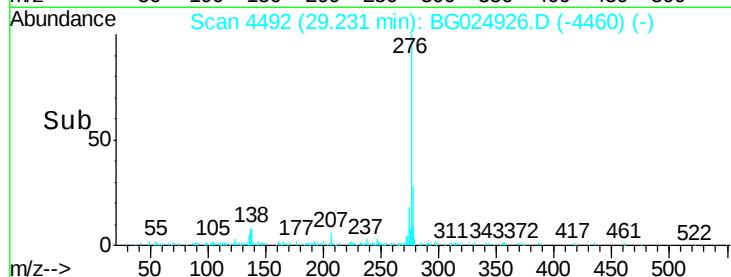
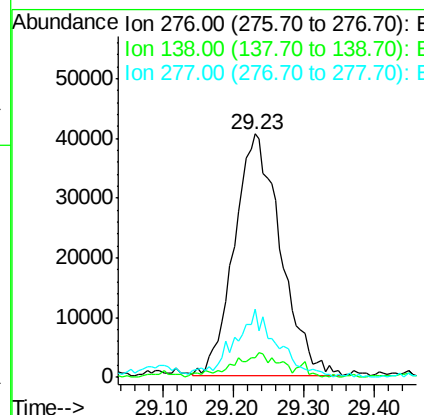
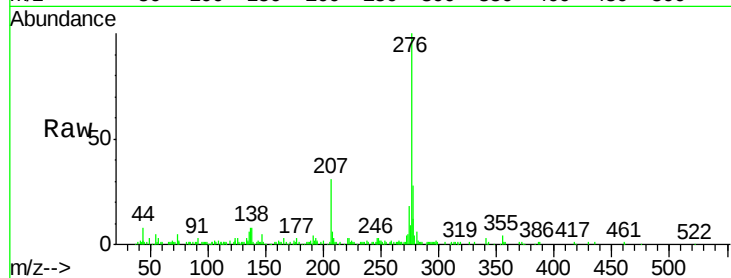
#89
Indeno(1,2,3-cd)pyrene
Concen: 2.96 ng/ul
RT: 29.23 min Scan# 4492
Delta R.T. -0.01 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Instrument :
BNA_G
ClientSampled :
A4WD7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.8	8.2	12.4#
277	28.1	18.6	28.0#

Manual Integrations
APPROVED

sohil
11/28/2016 4:50:04 PM



#91
Benzo(g,h,i)perylene
Concen: 2.95 ng/ul
RT: 30.48 min Scan# 4704
Delta R.T. -0.01 min
Lab File: BG024926.D
Acq: 24 Nov 2016 3:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.3	8.6	12.8#
277	29.1	17.6	26.4#

