

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023632.D
 Acq On : 11 Aug 2016 21:34
 Operator : UM/SJ
 Sample : H4360-17 4X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-2430-01

Manual Integrations
 APPROVED

sohil
 8/12/2016 5:55:57 PM

Quant Time: Aug 12 05:05:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	157804	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	733872	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.78	164	489084	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.55	188	1064697	20.00	ng/ul	-0.01
75) Chrysene-d12	21.87	240	1075809	20.00	ng/ul	-0.01
83) Perylene-d12	25.26	264	1131624	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	898	0.24	ng/uL	-0.01
5) Phenol-d5	7.27	99	54599	3.43	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	36218	3.56	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	37554	3.46	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	36832	2.97	ng/ul	-0.02
19) Nitrobenzene-d5	9.28	128	18229	3.15	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	26343	3.97	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	42639	3.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	27721	1.89	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	149035	3.72	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	171353	3.80	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.03	143	19936m	2.92	ng/ul	0.02
57) Fluorene-d10	15.78	176	134722	3.64	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	9410	1.38	ng/ul	0.00
70) Anthracene-d10	17.64	188	190716	3.98	ng/ul	-0.02
76) Pyrene-d10	19.94	212	199231	3.66	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	186615	3.64	ng/ul	-0.02

Target Compounds

						Qvalue
44) Dimethylphthalate	14.22	163	65884	1.66	ng/ul#	96
58) Fluorene	15.83	166	44282	1.12	ng/ul	98
69) Phenanthrene	17.59	178	516655	9.37	ng/ul	98
71) Anthracene	17.68	178	129957m	2.31	ng/ul	
72) Carbazole	17.96	167	50945	1.12	ng/ul#	93
74) Fluoranthene	19.61	202	678436	12.02	ng/ul#	90
77) Pyrene	19.97	202	630975	9.49	ng/ul	94
80) Benzo(a)anthracene	21.85	228	363322	6.00	ng/ul	97
82) Chrysene	21.92	228	344883	6.26	ng/ul	96
85) Benzo(b)fluoranthene	24.18	252	411511	6.39	ng/ul#	97
86) Benzo(k)fluoranthene	24.25	252	142688m	2.25	ng/ul	
88) Benzo(a)pyrene	25.10	252	323034m	5.20	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.15	276	200908	2.75	ng/ul#	85
90) Dibenzo(a,h)anthracene	29.19	278	64861m	1.04	ng/ul	
91) Benzo(g,h,i)perylene	30.38	276	177143m	2.93	ng/ul	

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

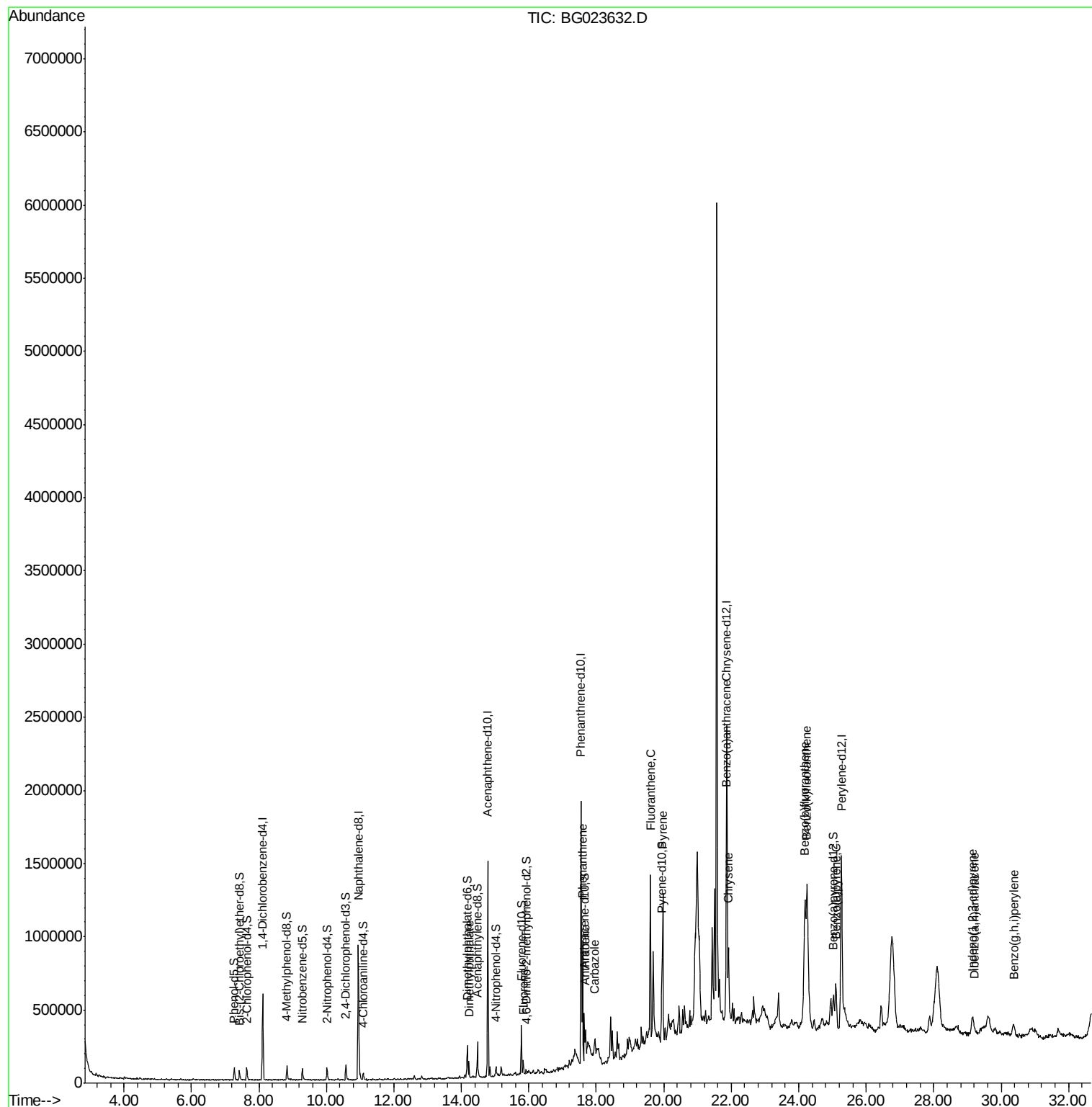
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023632.D
Acq On : 11 Aug 2016 21:34
Operator : UM/SJ
Sample : H4360-17 4X
Misc :
ALS Vial : 12 Sample Multiplier: 1

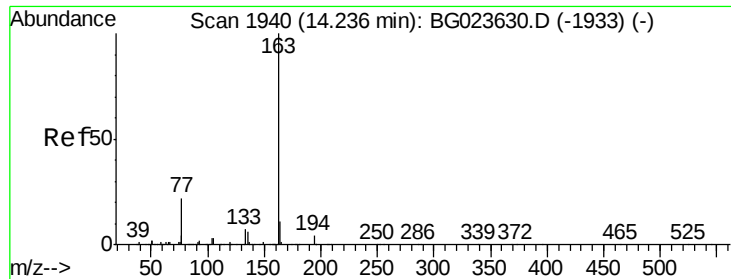
Instrument :
BNA_G
ClientSampleId :
PR001-SS003-2430-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:55:57 PM

Quant Time: Aug 12 05:05:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration





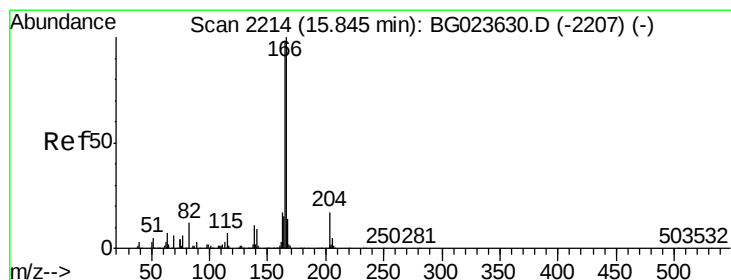
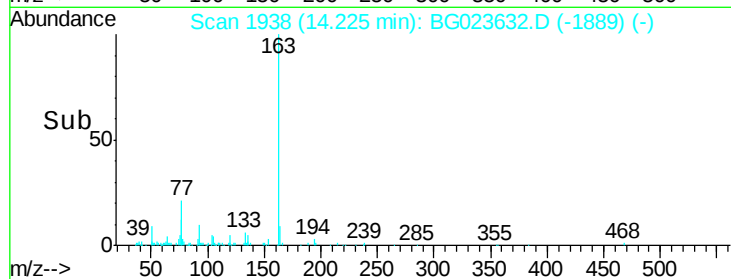
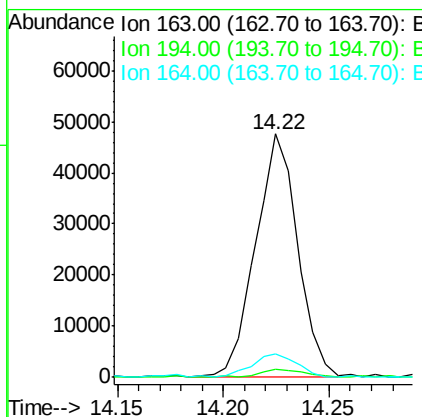
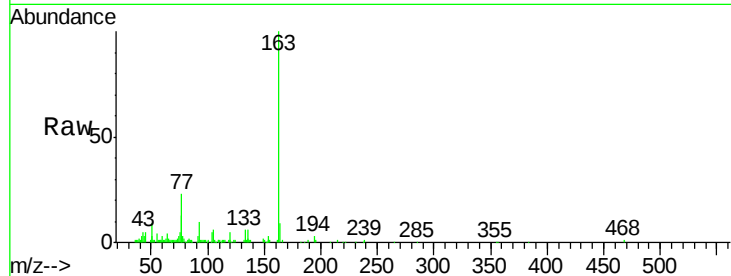
#44
Dimethylphthalate
Concen: 1.66 ng/ul
RT: 14.22 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-2430-01

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	65884		
194	3.1		3.4	5.2#
164	9.5		8.8	13.2

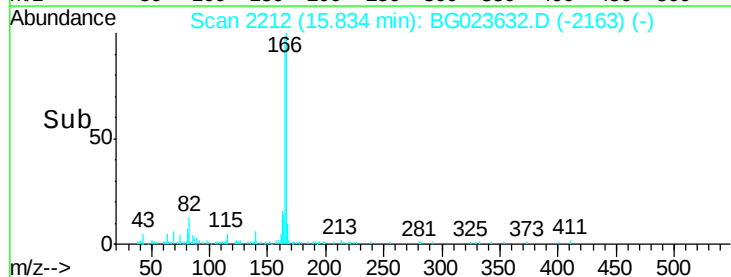
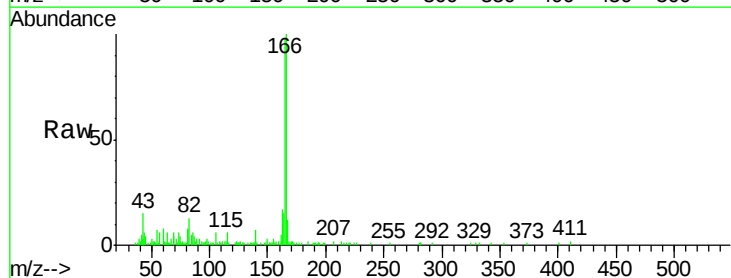
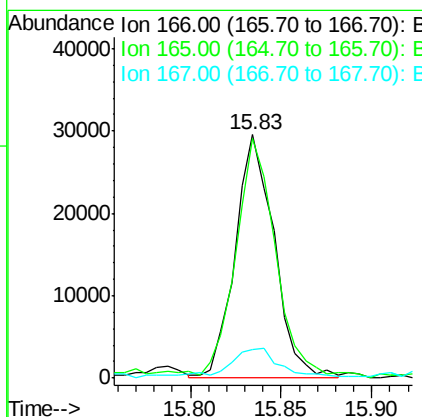
Manual Integrations
APPROVED

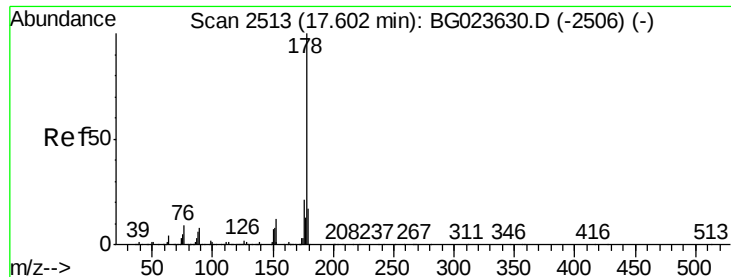
sohil
8/12/2016 5:55:57 PM



#58
Fluorene
Concen: 1.12 ng/ul
RT: 15.83 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	44282		
165	98.3		80.3	120.5
167	11.6		10.3	15.5





#69

Phenanthrene

Concen: 9.37 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

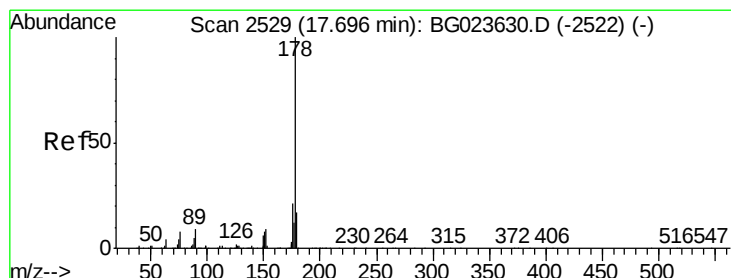
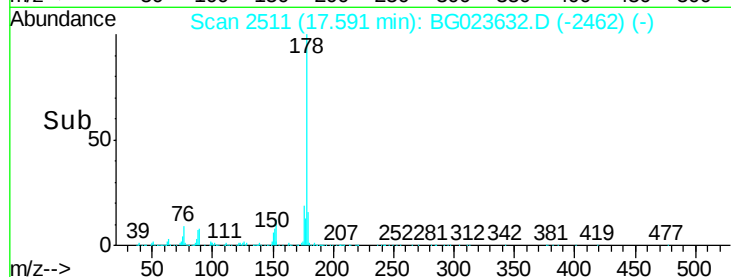
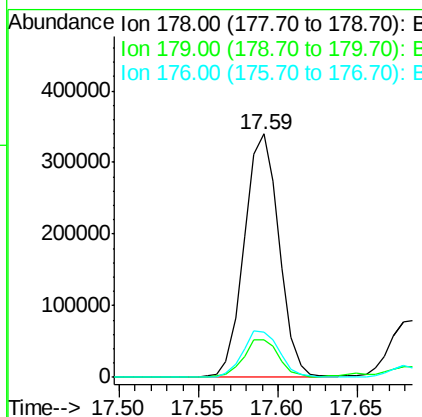
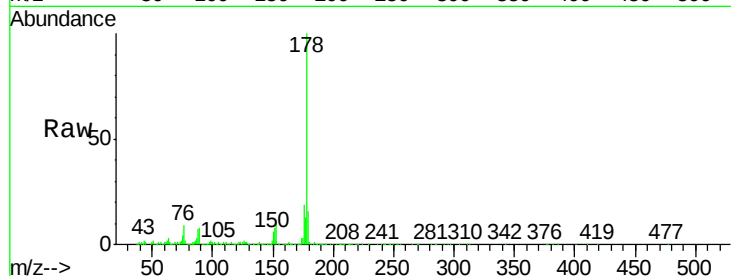
ClientSampleId :

PR001-SS003-2430-01

Tgt Ion:	178	Resp:	516655
Ion Ratio		Lower	Upper
178	100		
179	15.6	12.9	19.3
176	18.6	15.8	23.8

Manual Integrations
APPROVED

sohil
8/12/2016 5:55:57 PM



#71

Anthracene

Concen: 2.31 ng/ul m

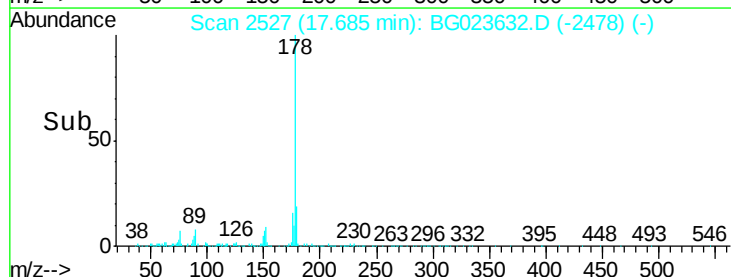
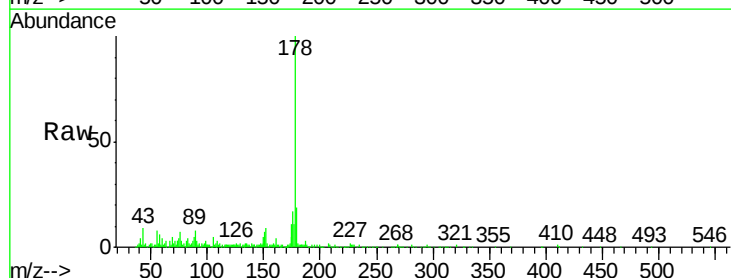
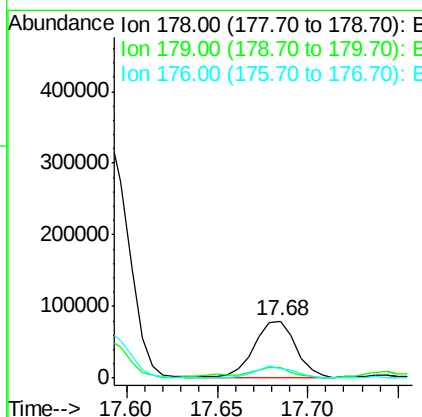
RT: 17.68 min Scan# 2527

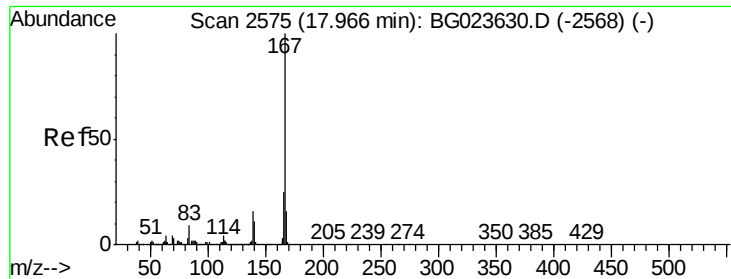
Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt Ion:	178	Resp:	129957
Ion Ratio		Lower	Upper
178	100		
179	18.6	12.3	18.5#
176	17.1	16.3	24.5





#72

Carbazole

Concen: 1.12 ng/ul

RT: 17.96 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

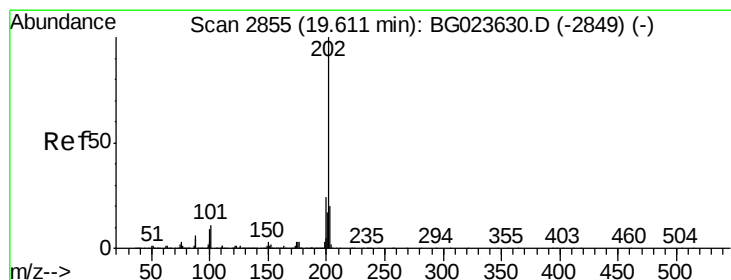
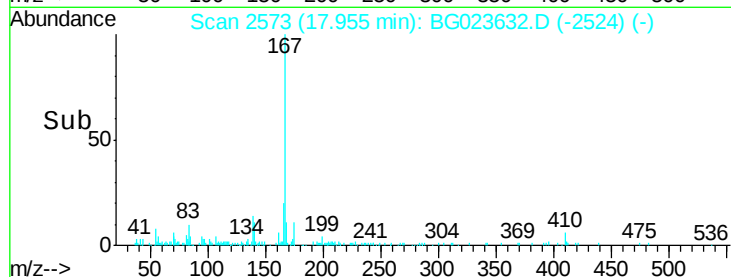
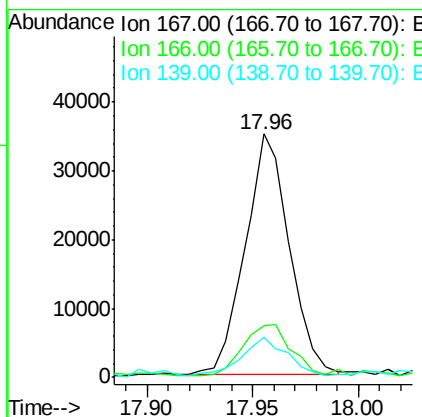
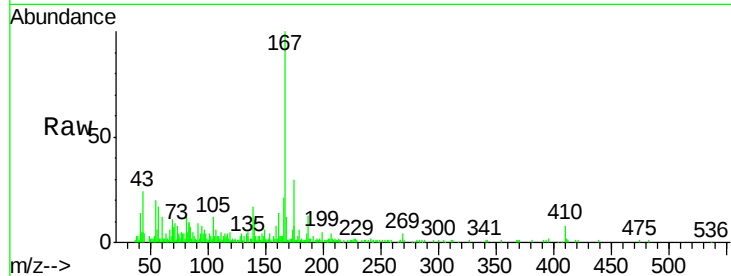
ClientSampleId :

PR001-SS003-2430-01

Tgt Ion:	167	Resp:	50945
Ion Ratio	Lower	Upper	
167	100		
166	21.1	19.2	28.8
139	16.6	10.2	15.4#

Manual Integrations
APPROVED

sohil
8/12/2016 5:55:57 PM



#74

Fluoranthene

Concen: 12.02 ng/ul

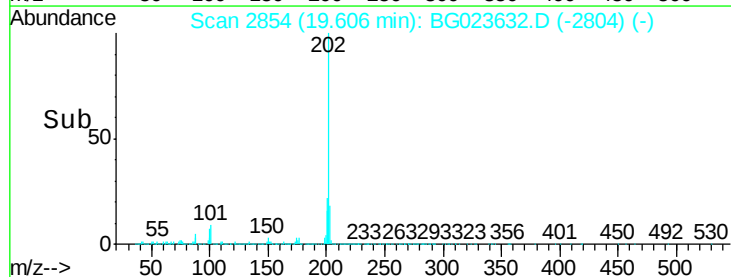
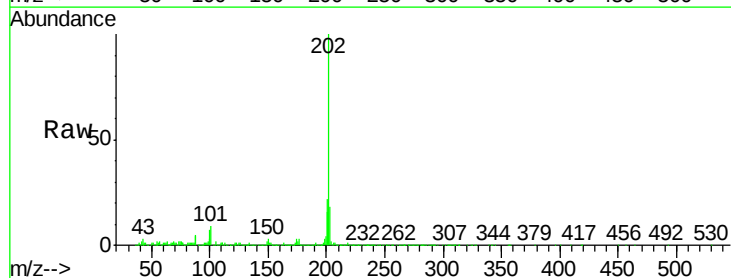
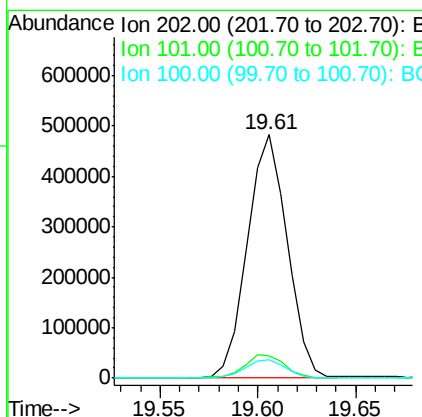
RT: 19.61 min Scan# 2854

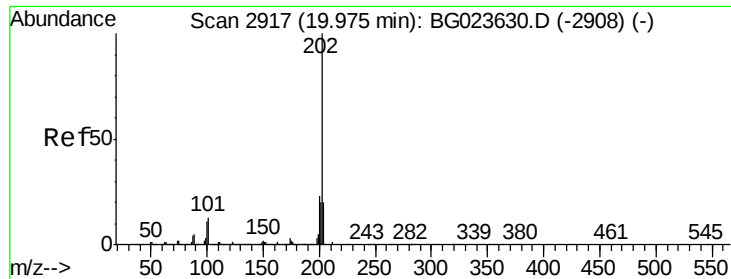
Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt Ion:	202	Resp:	678436
Ion Ratio	Lower	Upper	
202	100		
101	9.0	10.6	16.0#
100	7.3	8.7	13.1#





#77

Pyrene

Concen: 9.49 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

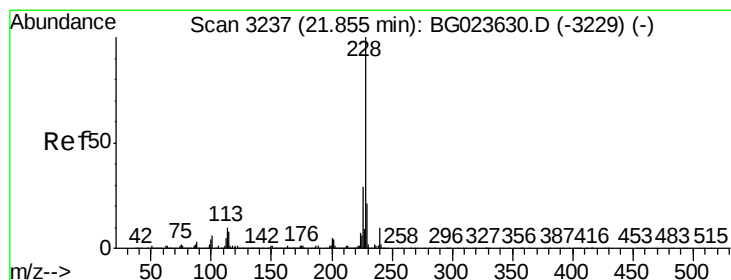
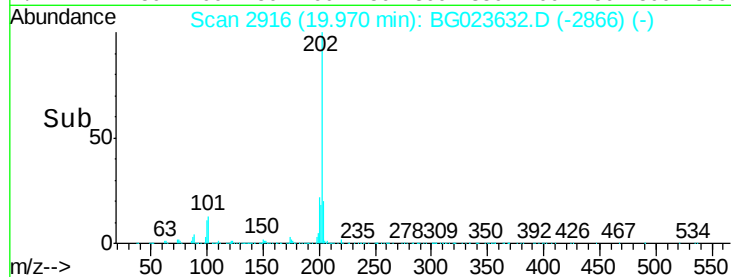
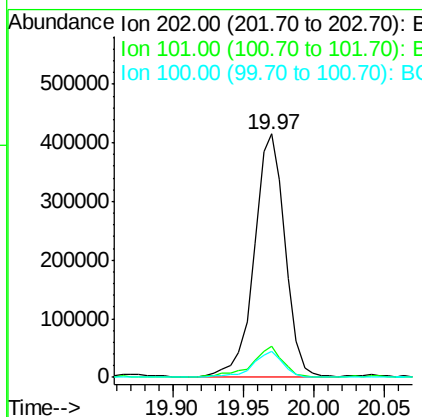
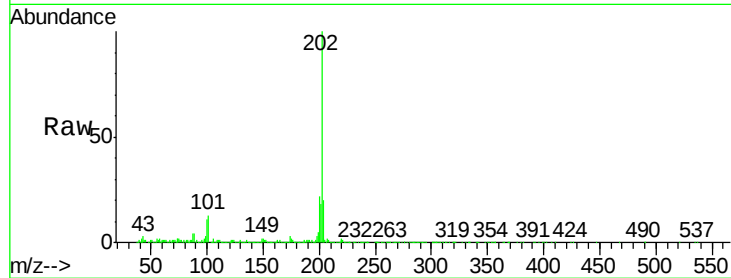
ClientSampleId :

PR001-SS003-2430-01

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		630975		
101	12.9	12.5	18.7		
100	10.7	10.2	15.4		

Manual Integrations
APPROVED

sohil
8/12/2016 5:55:57 PM



#80

Benzo(a)anthracene

Concen: 6.00 ng/ul

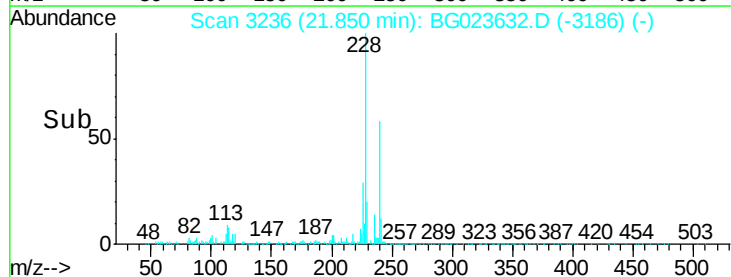
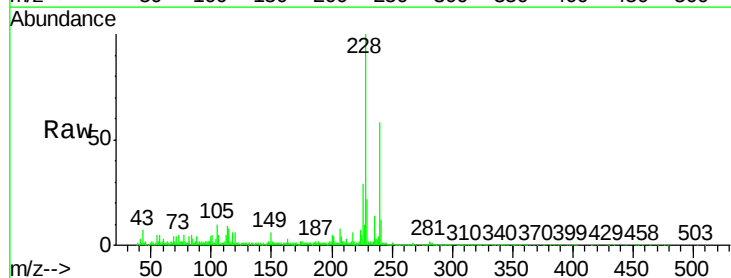
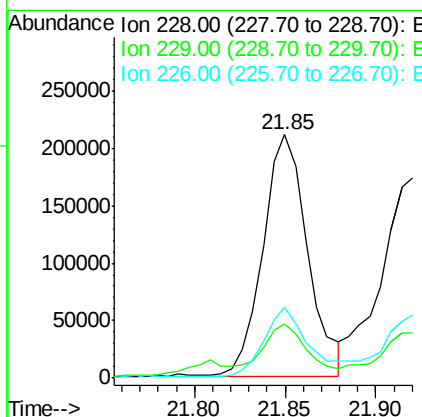
RT: 21.85 min Scan# 3236

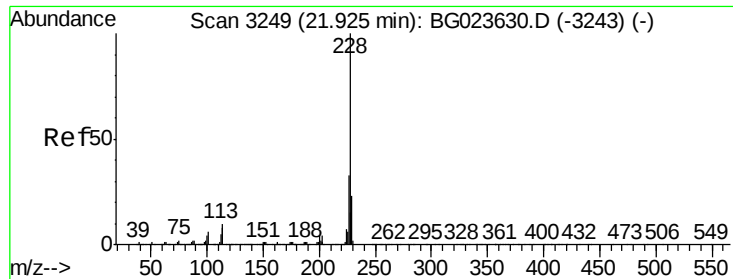
Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		363322		
229	22.4	15.4	23.2		
226	28.9	22.8	34.2		





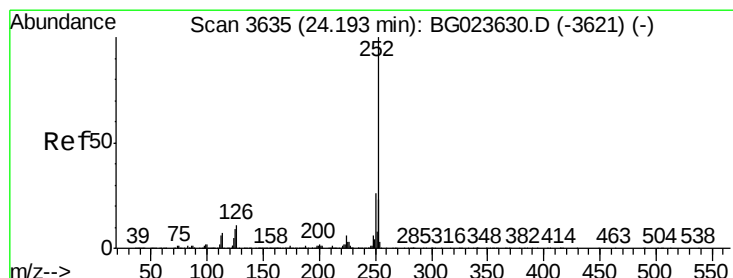
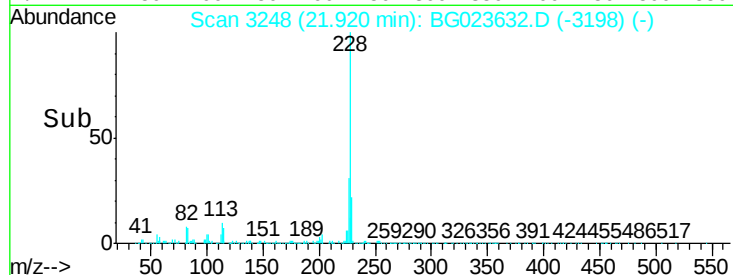
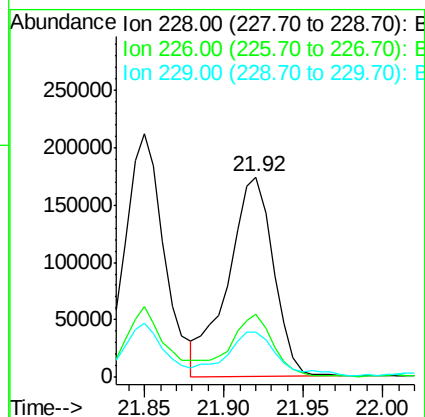
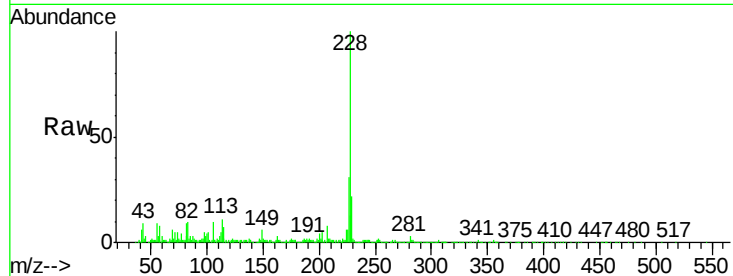
#82
Chrysene
Concen: 6.26 ng/ul
RT: 21.92 min Scan# 3248
Delta R.T. -0.01 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-2430-01

Tgt Ion:	228	Resp:	344883
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.2	36.4
229	22.5	15.0	22.6

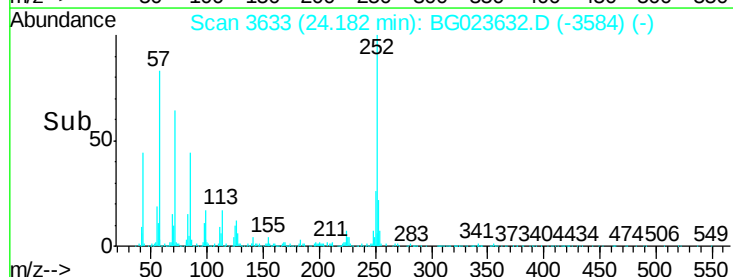
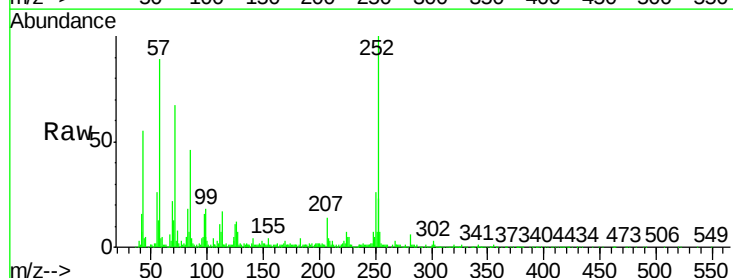
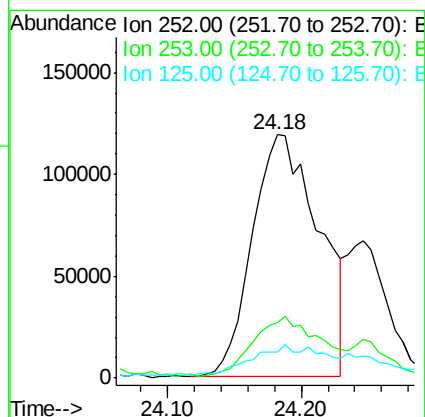
Manual Integrations
APPROVED

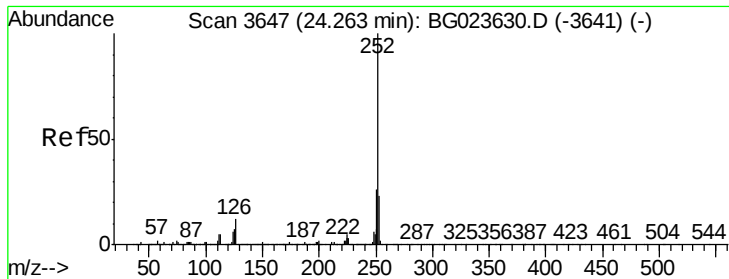
sohil
8/12/2016 5:55:57 PM



#85
Benzo(b)fluoranthene
Concen: 6.39 ng/ul
RT: 24.18 min Scan# 3633
Delta R.T. -0.01 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Tgt Ion:	252	Resp:	411511
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	10.7	10.8	16.2#





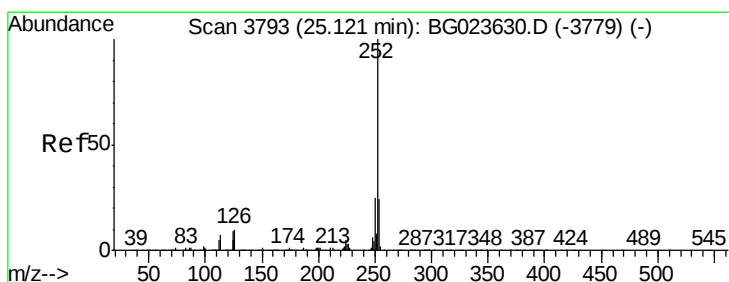
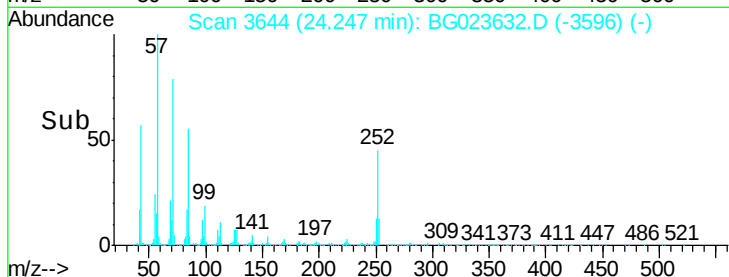
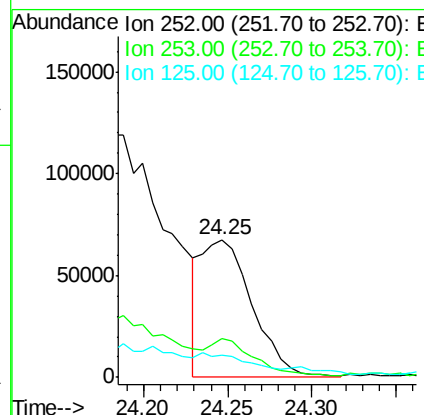
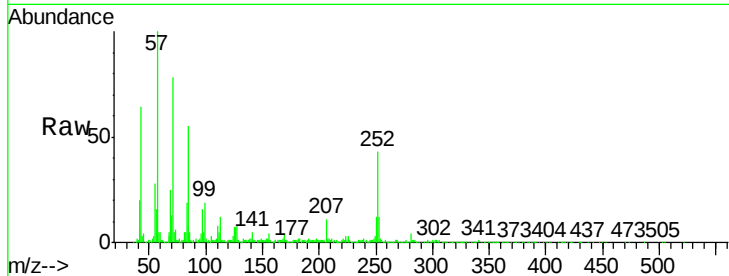
#86
Benzo(k)fluoranthene
Concen: 2.25 ng/ul m
RT: 24.25 min Scan# 3644
Delta R.T. -0.02 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-2430-01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	142688		
253	28.0	15.8	23.6#	
125	16.4	10.6	16.0#	

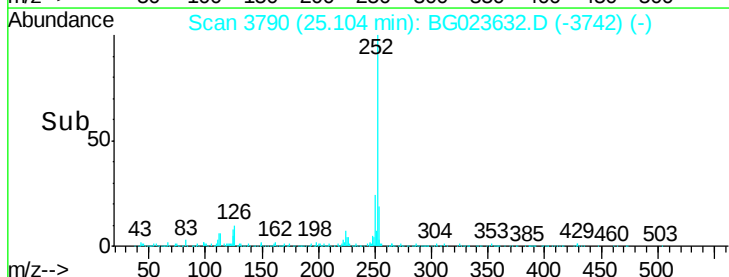
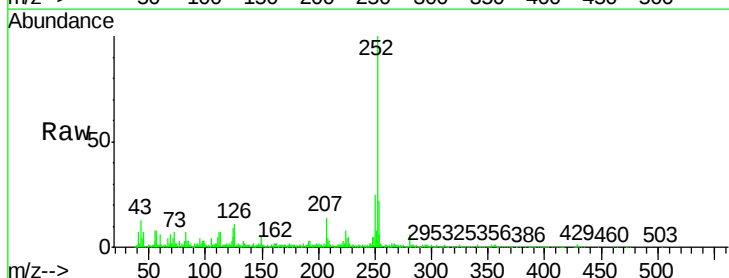
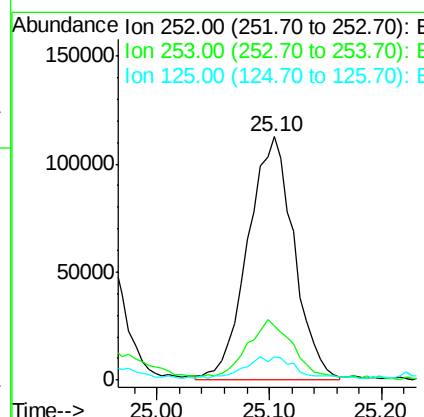
Manual Integrations
APPROVED

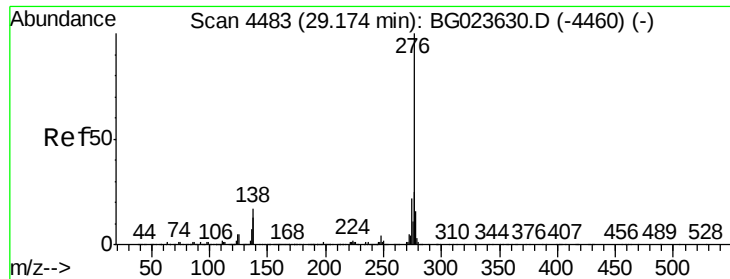
sohil
8/12/2016 5:55:57 PM



#88
Benzo(a)pyrene
Concen: 5.20 ng/ul m
RT: 25.10 min Scan# 3790
Delta R.T. -0.02 min
Lab File: BG023632.D
Acq: 11 Aug 2016 21:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	323034		
253	22.5	19.0	28.4	
125	9.4	12.0	18.0#	





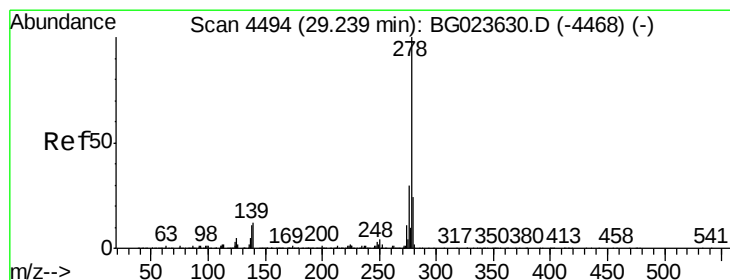
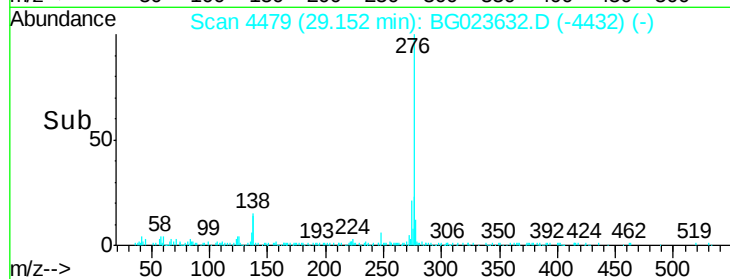
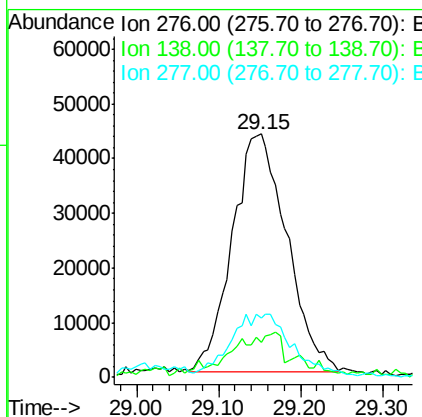
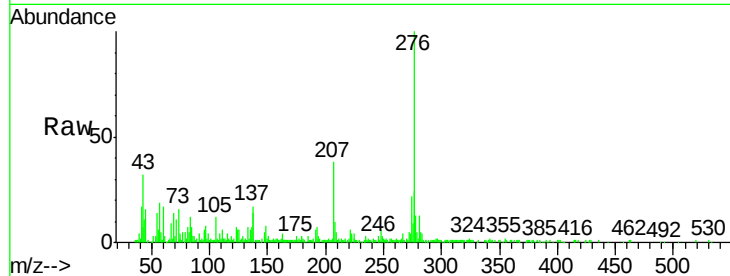
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 2.75 ng/ul
 RT: 29.15 min Scan# 4479
 Delta R.T. -0.02 min
 Lab File: BG023632.D
 Acq: 11 Aug 2016 21:34

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-2430-01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	20.8	31.2#
277	24.2	17.6	26.4

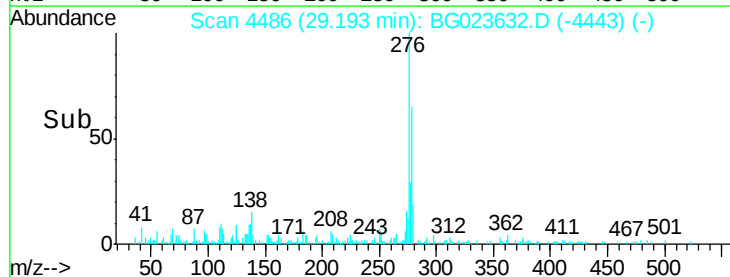
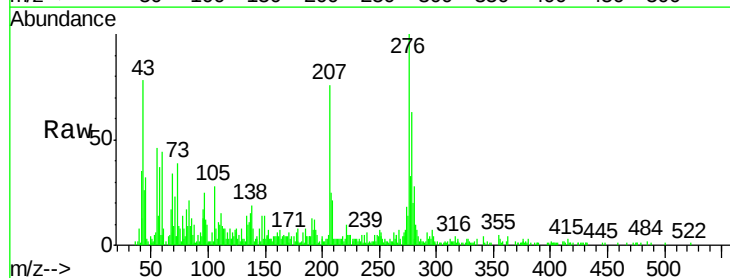
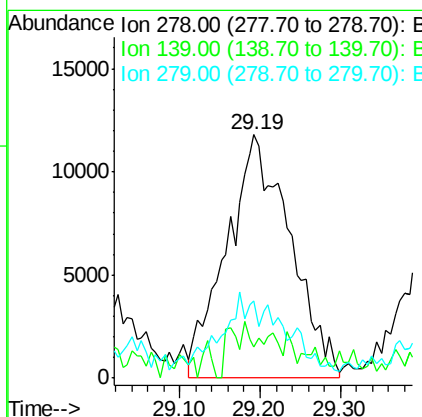
Manual Integrations
 APPROVED

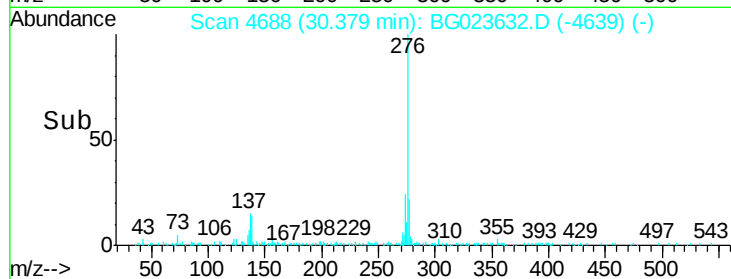
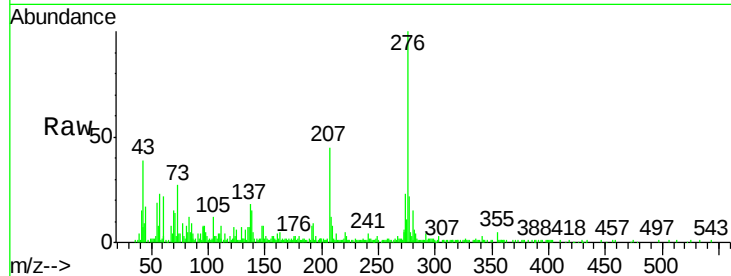
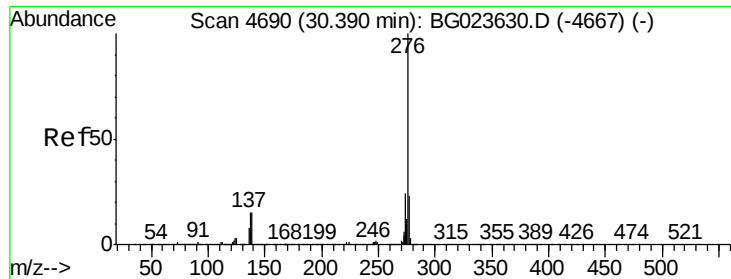
sohil
 8/12/2016 5:55:57 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 1.04 ng/ul m
 RT: 29.19 min Scan# 4486
 Delta R.T. -0.05 min
 Lab File: BG023632.D
 Acq: 11 Aug 2016 21:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.9	16.3	24.5#
279	31.7	19.1	28.7#





#91

Benzo(g,h,i)perylene

Concen: 2.93 ng/ul m

RT: 30.38 min Scan# 4688

Delta R.T. -0.01 min

Lab File: BG023632.D

Acq: 11 Aug 2016 21:34

Instrument :

BNA_G

ClientSampleId :

PR001-SS003-2430-01

Tgt	Ion:276	Resp:	177143
Ion	Ratio	Lower	Upper
276	100		
138	15.2	22.1	33.1#
277	21.9	17.0	25.4

Manual Integrations
APPROVED

sohil
8/12/2016 5:55:57 PM

