

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
 Data File : BG033622.D
 Acq On : 6 Apr 2018 9:59
 Operator : SJ/JU
 Sample : J2239-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-1-COMP

Manual Integrations
 APPROVED

Sohil
 4/6/2018 5:28:08 PM

Quant Time: Apr 06 11:38:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	40860	20.00	ng	0.00
21) Naphthalene-d8	11.74	136	195898	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	145799	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	341133	20.00	ng	0.00
75) Chrysene-d12	22.55	240	341529	20.00	ng	0.00
86) Perylene-d12	26.32	264	362346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	418255	191.94	ng	0.00
7) Phenol-d6	7.98	99	653683	174.59	ng	0.00
23) Nitrobenzene-d5	10.06	82	416911	97.78	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	262858	120.54	ng	0.00
44) 2-Fluorobiphenyl	14.10	172	892327	88.35	ng	0.00
78) Terphenyl-d14	20.73	244	1243428	77.86	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.90	163	83192	6.557	ng	98
70) Phenanthrene	18.25	178	78310	4.408	ng	96
74) Fluoranthene	20.20	202	176266	8.017	ng	96
77) Pyrene	20.56	202	182631	8.018	ng	99
80) Benzo(a)anthracene	22.54	228	124350	5.718	ng	97
82) Chrysene	22.61	228	139797m	6.641	ng	
85) Indeno(1,2,3-cd)pyrene	30.69	276	96753	4.251	ng	# 53
87) Benzo(b)fluoranthene	25.11	252	182071	8.697	ng	# 98
88) Benzo(k)fluoranthene	25.19	252	66182m	3.126	ng	
89) Benzo(a)pyrene	26.14	252	148348m	7.379	ng	
91) Benzo(g,h,i)perylene	32.07	276	110434	5.889	ng	# 95

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

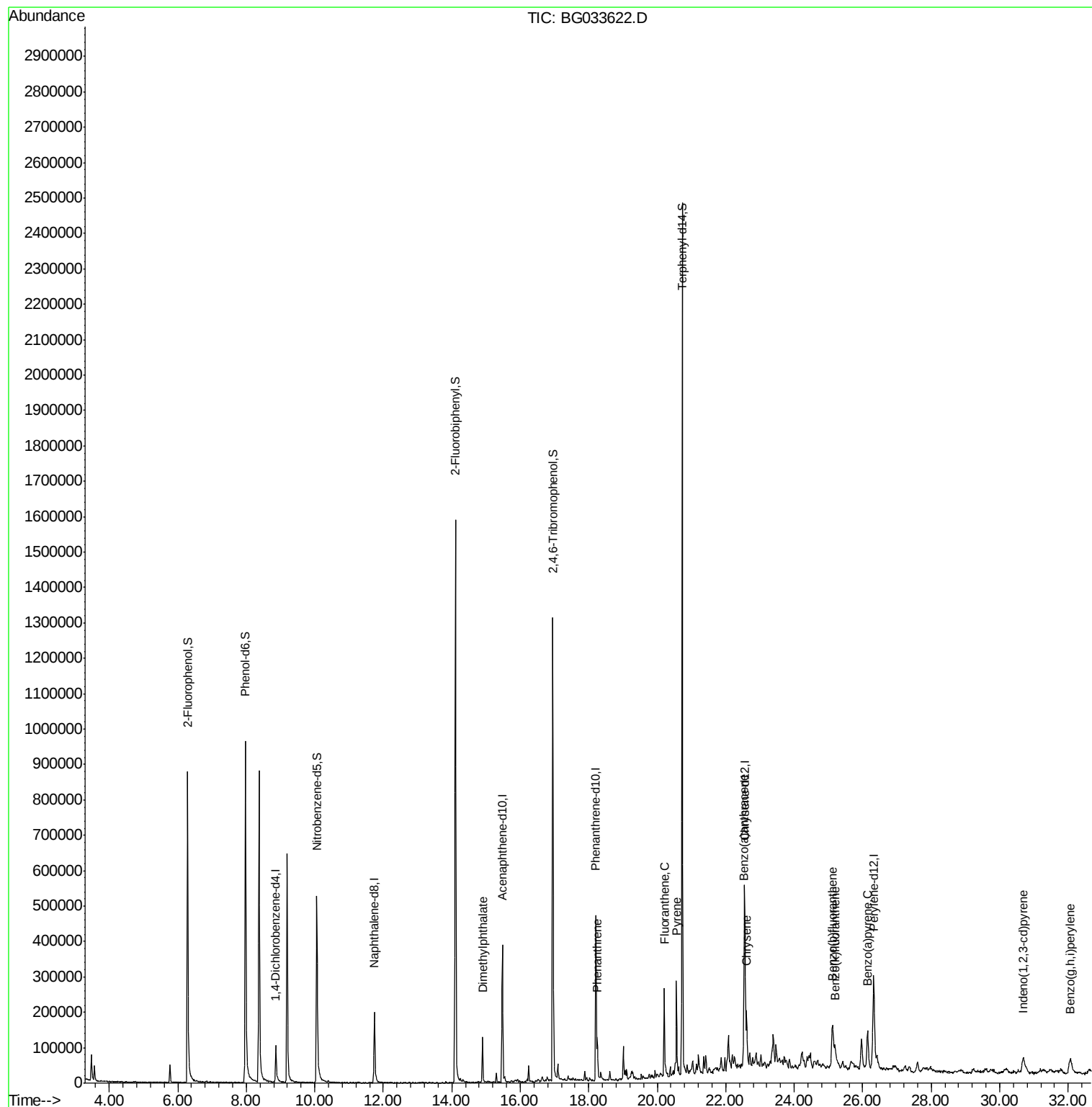
Data Path : Z:\HPCHEM1\BNA G\DATA\BG040518\
Data File : BG033622.D
Acq On : 6 Apr 2018 9:59
Operator : SJ/JU
Sample : J2239-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

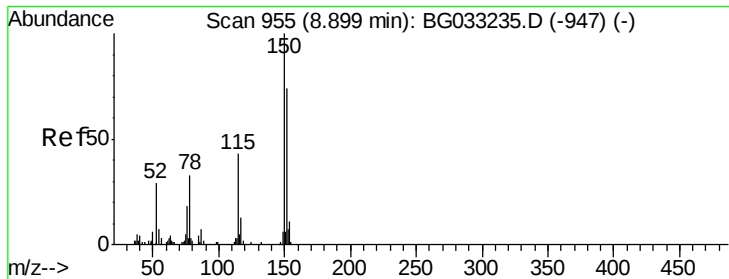
Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Manual Integrations
APPROVED

Sohil
4/6/2018 5:28:08 PM

Quant Time: Apr 06 11:38:41 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 05 17:36:07 2018
Response via : Initial Calibration





#1

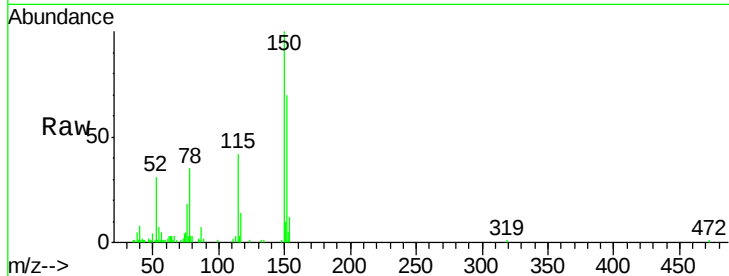
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 948
Delta R.T. -0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.1	126.6	189.8
115	60.3	53.0	79.4

Manual Integrations
APPROVED

Sohil
4/6/2018 5:28:08 PM

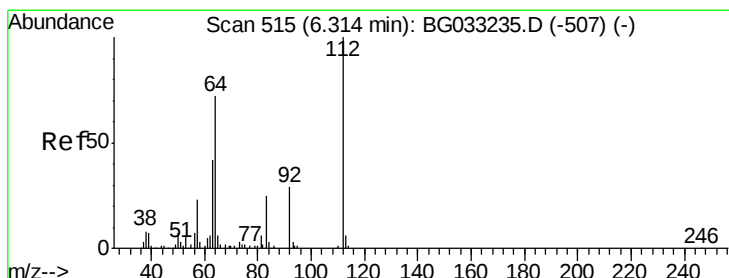
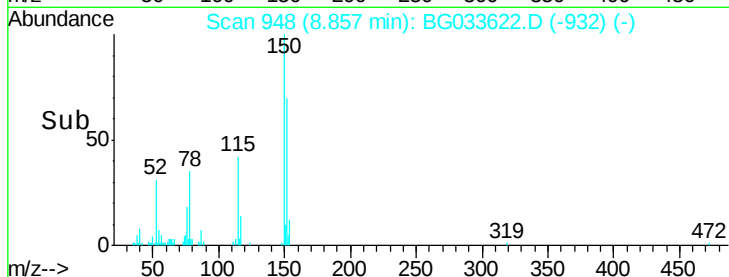
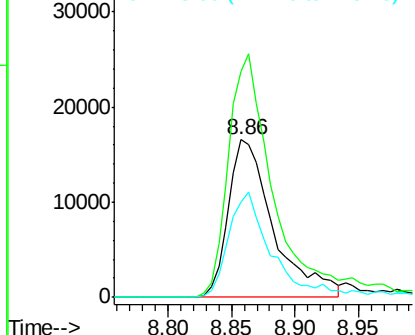


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

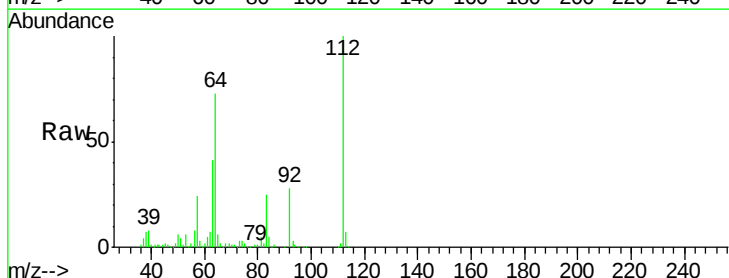
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 191.943 ng
RT: 6.28 min Scan# 510
Delta R.T. -0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	56.3	84.5
63	40.7	30.1	45.1

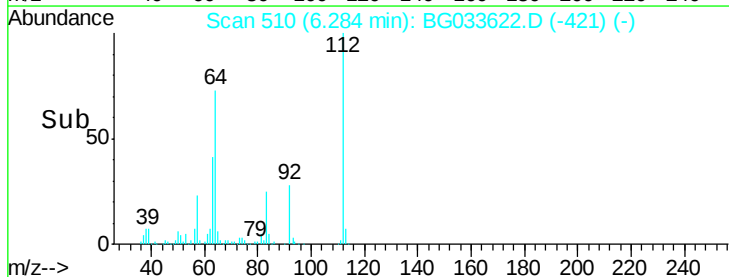
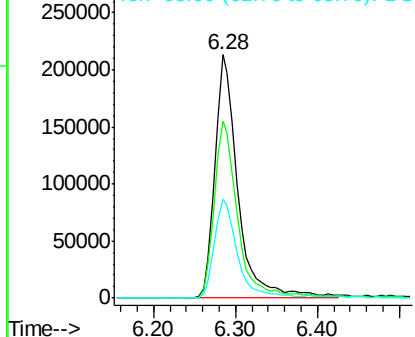


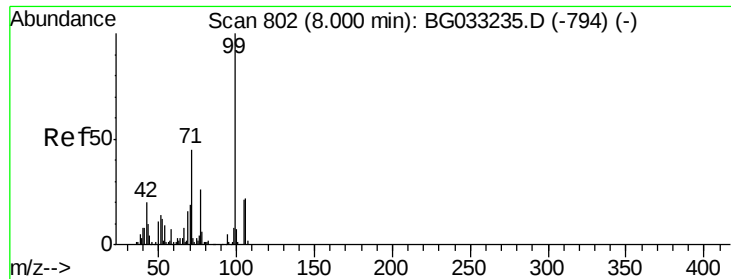
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 174.591 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.01 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

Instrument :

BNA_G

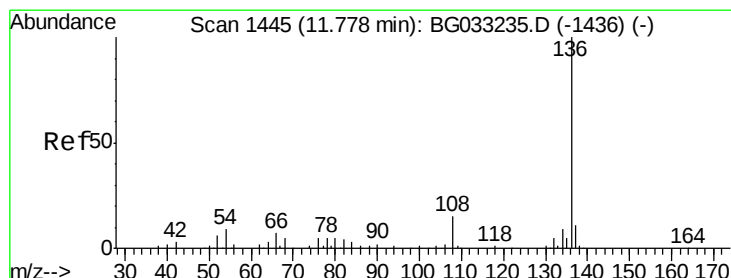
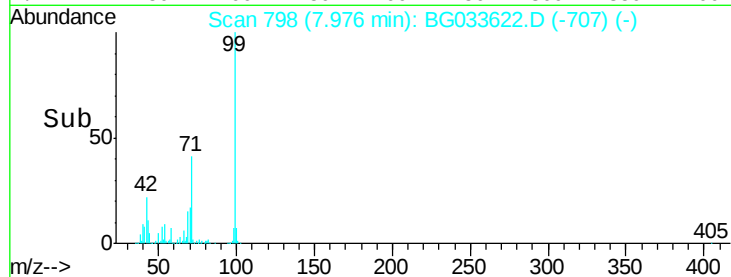
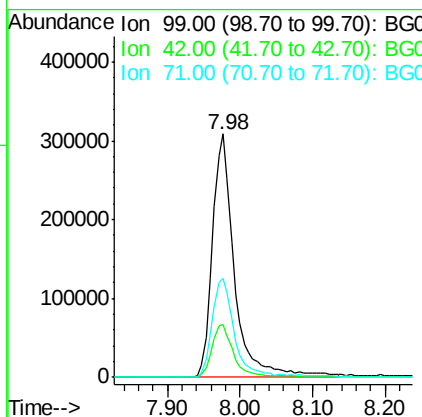
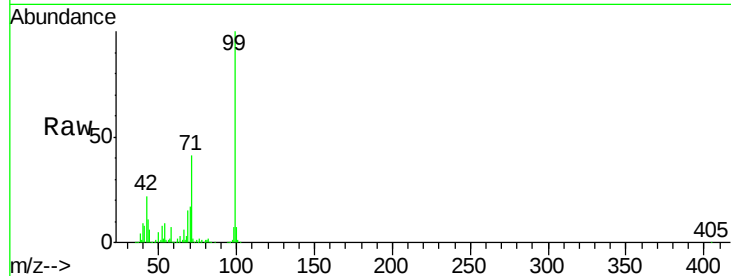
ClientSampleId :

S-1-COMP

Tot Ion:	99	Resp:	653683
Ion Ratio	Lower	Upper	
99	100		
42	21.9	14.1	21.1#
71	40.8	26.1	39.1#

Manual Integrations
APPROVED

Sohil
4/6/2018 5:28:08 PM



#21

Naphthalene-d8

Concen: 20.000 ng

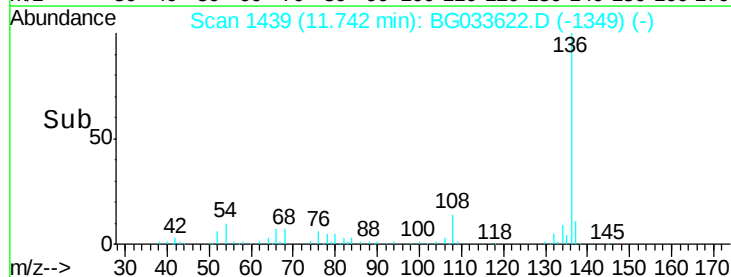
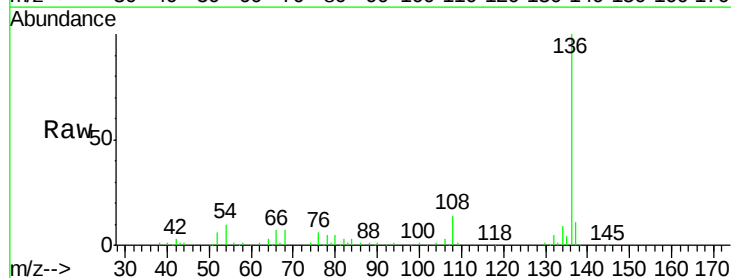
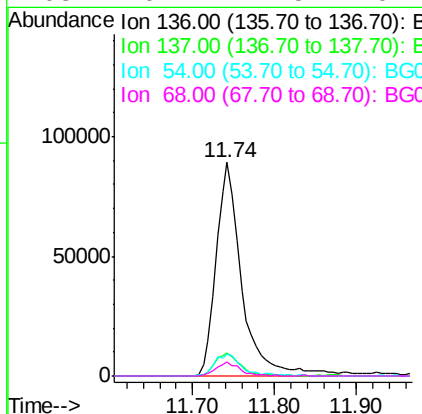
RT: 11.74 min Scan# 1439

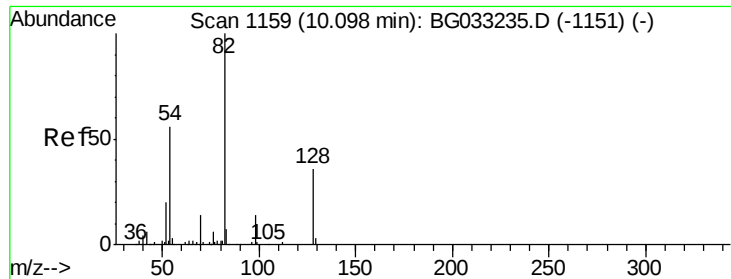
Delta R.T. -0.00 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

Tgt Ion:	136	Resp:	195898
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.2	13.8
54	10.2	10.3	15.5#
68	6.7	4.5	6.7





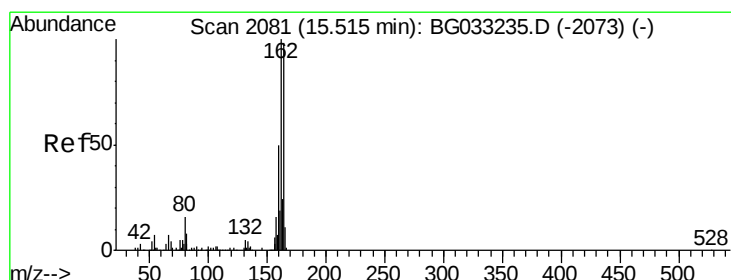
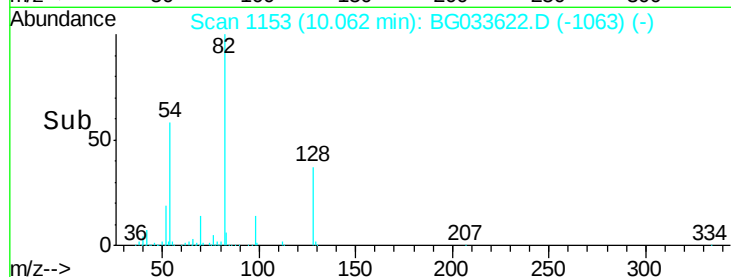
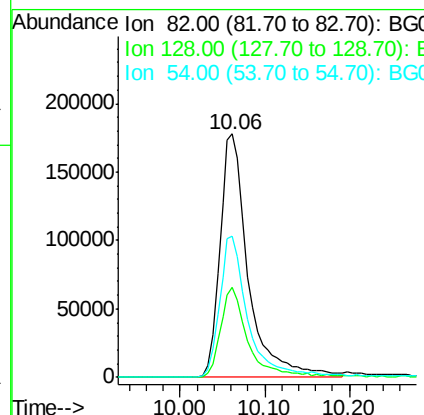
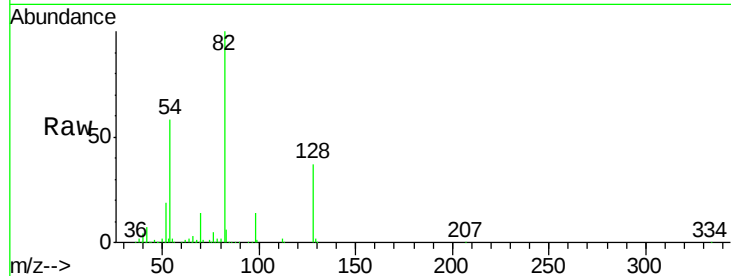
#23
 Nitrobenzene-d5
 Concen: 97.778 ng
 RT: 10.06 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BG033622.D
 Acq: 6 Apr 2018 9:59

Instrument :
 BNA_G
 ClientSampleId :
 S-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	416911		
128	37.1	29.7	44.5	
54	58.2	43.1	64.7	

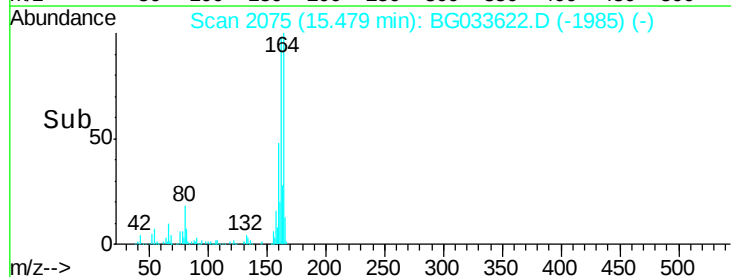
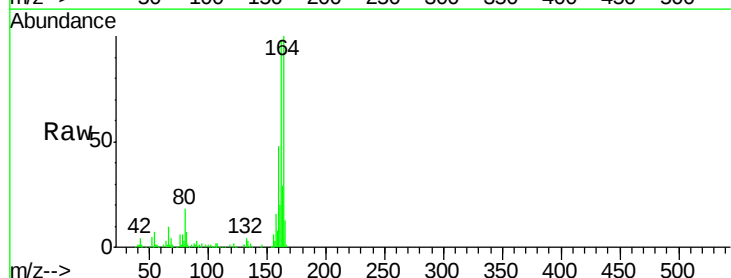
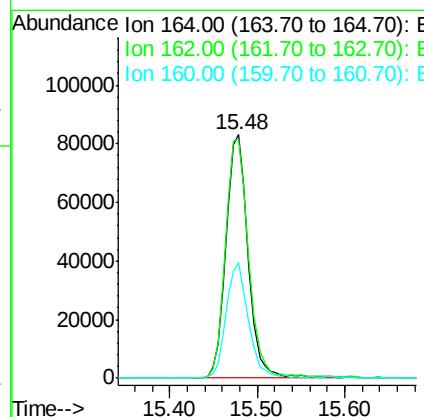
Manual Integrations
 APPROVED

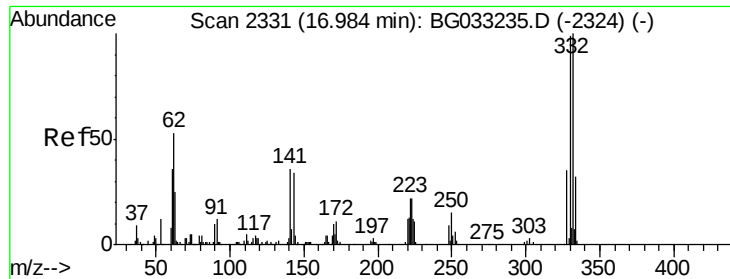
Sohil
 4/6/2018 5:28:08 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.00 min
 Lab File: BG033622.D
 Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145799		
162	98.1	78.8	118.2	
160	47.5	35.4	53.0	





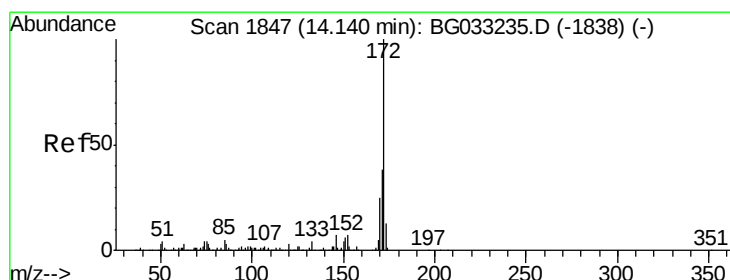
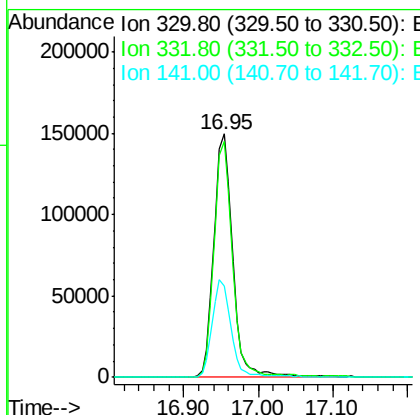
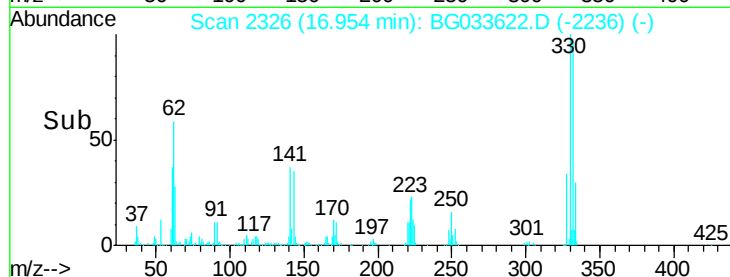
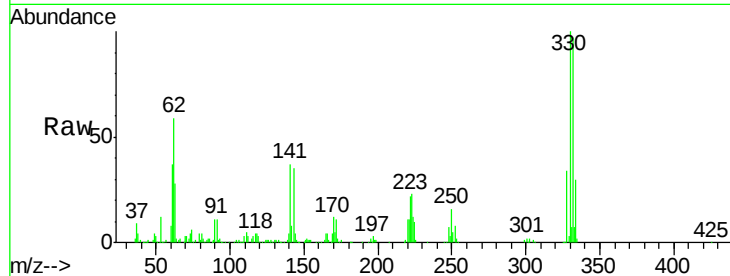
#41
 2,4,6-Tribromophenol
 Concen: 120.544 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: BG033622.D
 Acq: 6 Apr 2018 9:59

Instrument :
 BNA_G
 ClientSampleId :
 S-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.0	115.6	
141	39.6	25.2	37.8	

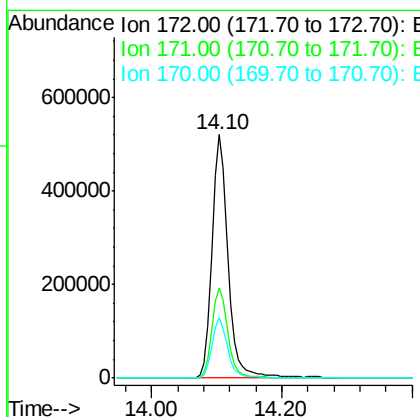
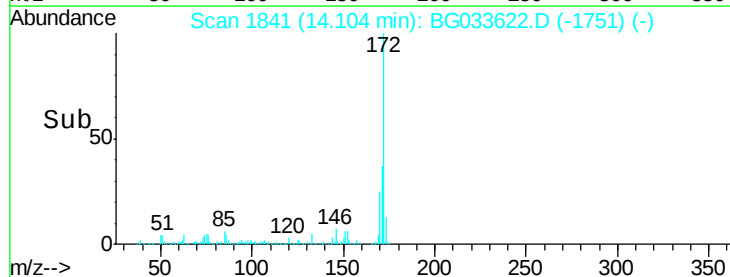
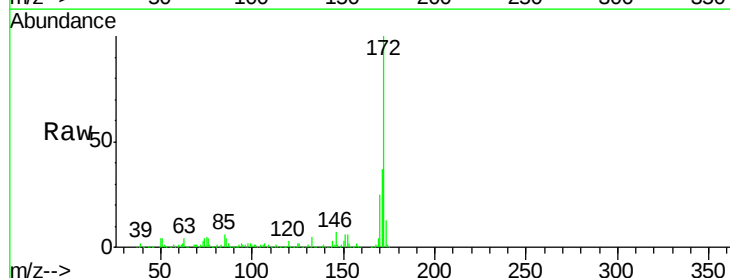
Manual Integrations
 APPROVED

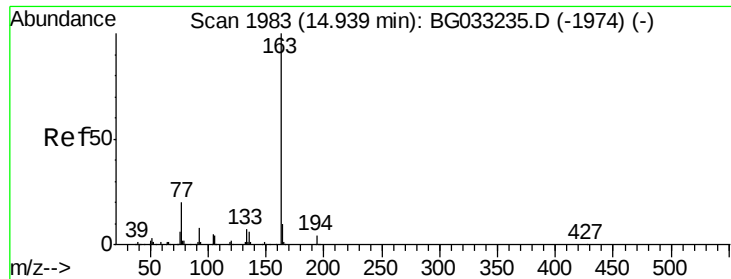
Sohil
 4/6/2018 5:28:08 PM



#44
 2-Fluorobiphenyl
 Concen: 88.354 ng
 RT: 14.10 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BG033622.D
 Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	30.0	45.0	
170	24.8	19.5	29.3	





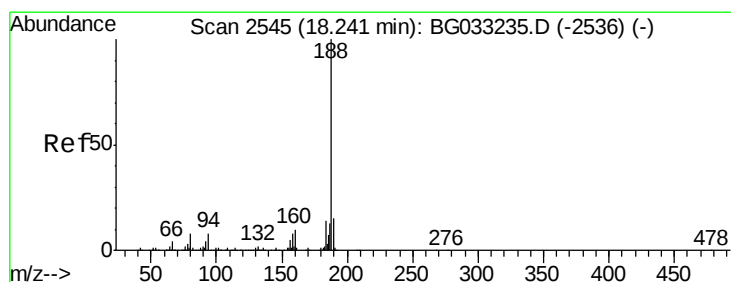
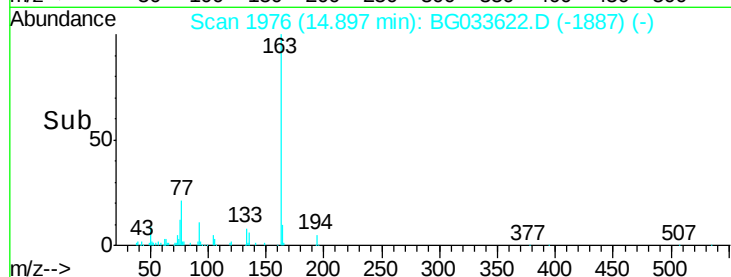
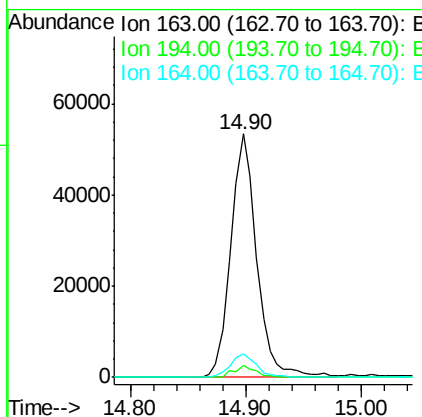
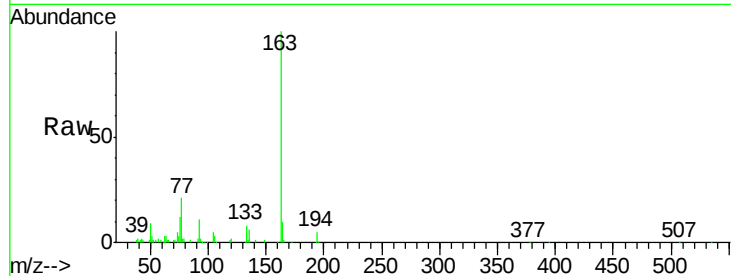
#49
Dimethylphthalate
Concen: 6.557 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.2
164	9.5	8.2	12.4

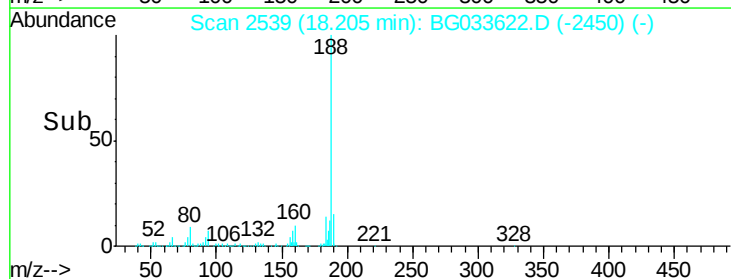
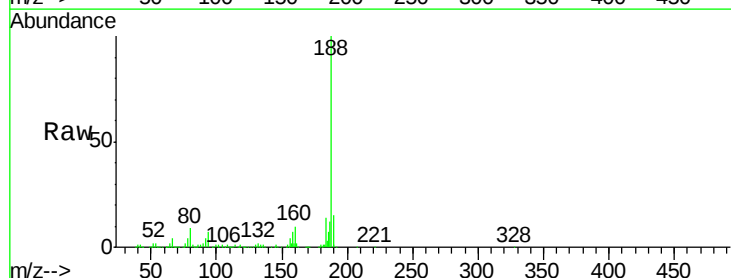
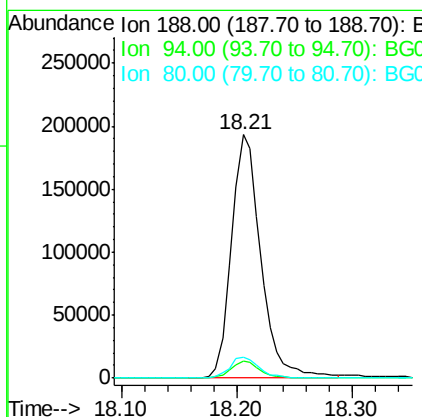
Manual Integrations
APPROVED

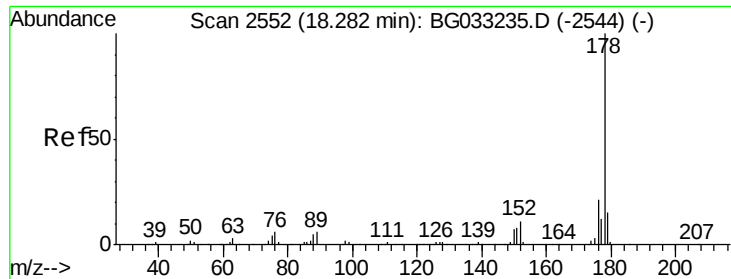
Sohil
4/6/2018 5:28:08 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	8.7	7.7	11.5





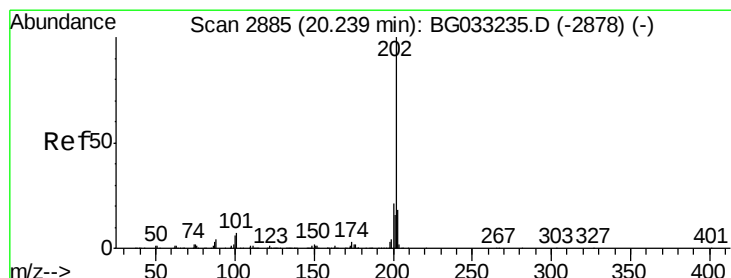
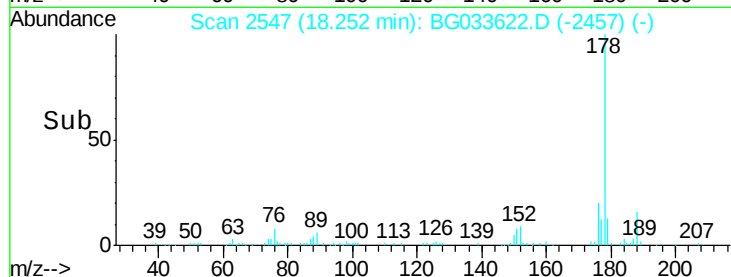
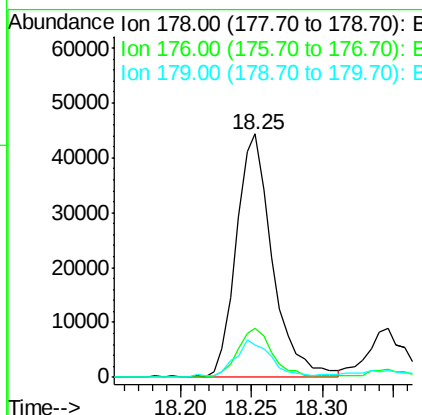
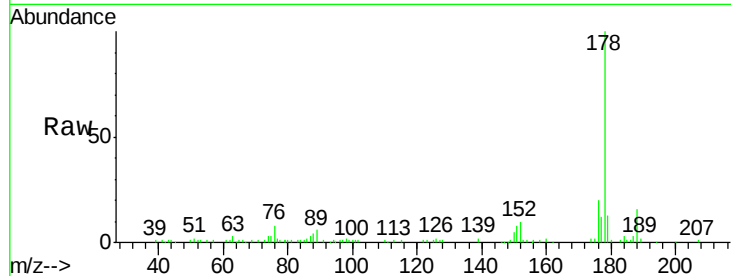
#70
Phenanthrene
Concen: 4.408 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	13.1	12.5	18.7

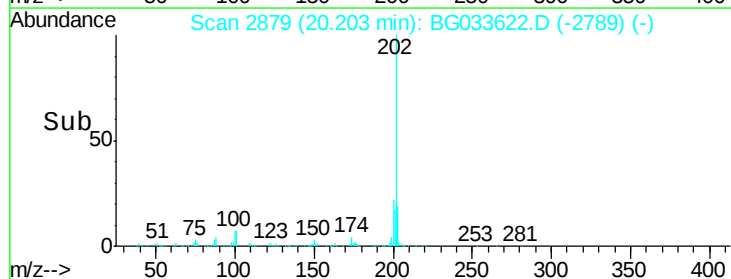
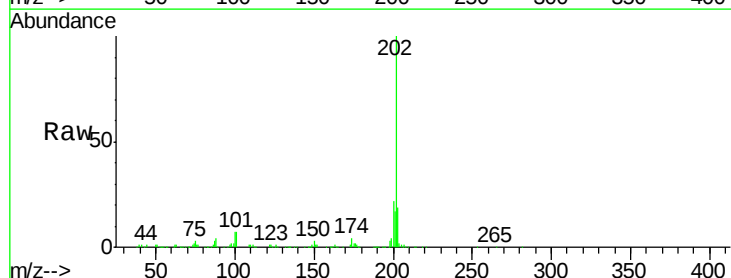
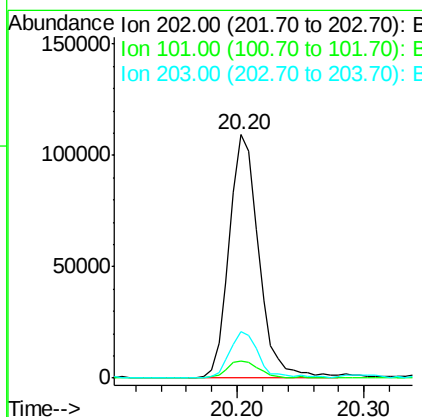
Manual Integrations
APPROVED

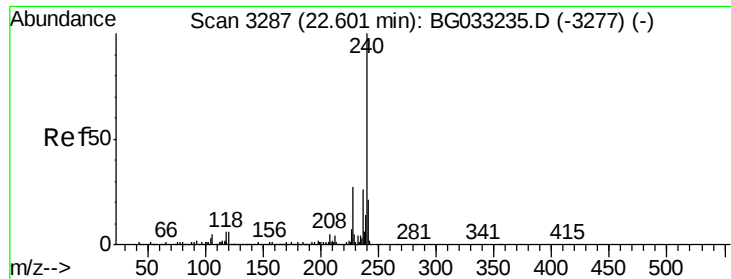
Sohil
4/6/2018 5:28:08 PM



#74
Fluoranthene
Concen: 8.017 ng
RT: 20.20 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	28.9
203	19.1	0.0	37.5





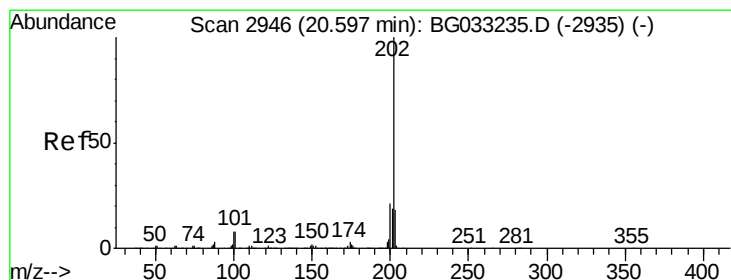
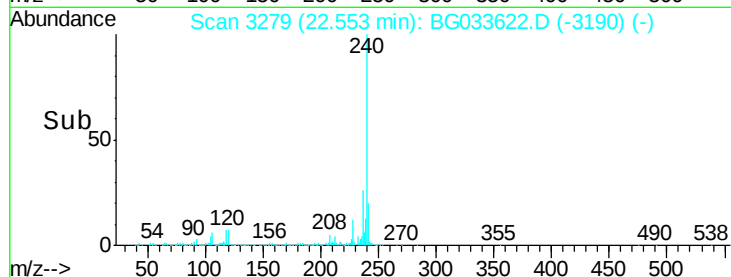
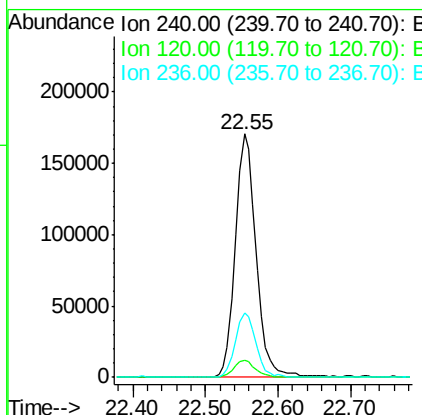
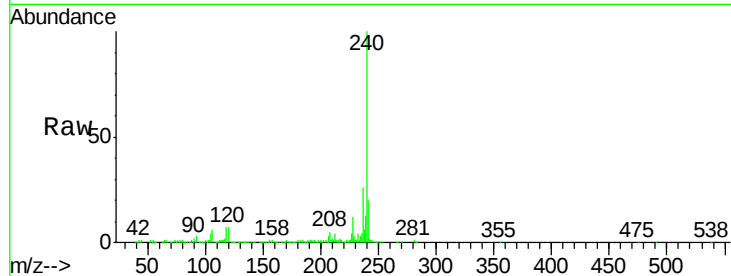
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	341529		
120	6.9	6.8	10.2	
236	26.3	20.9	31.3	

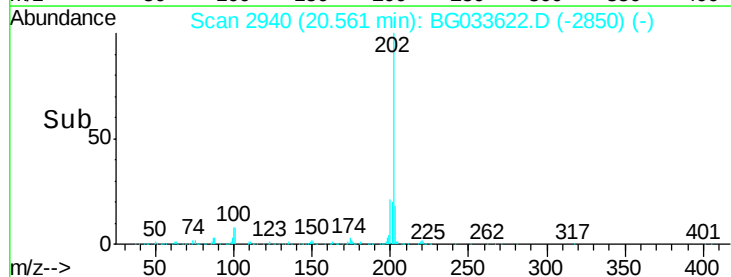
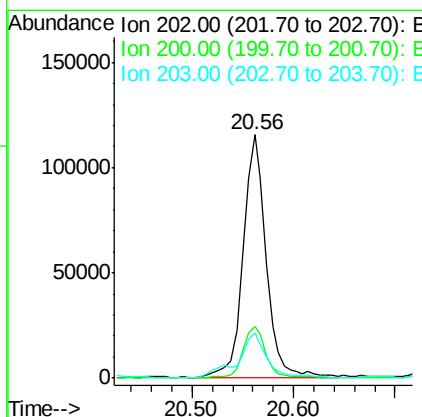
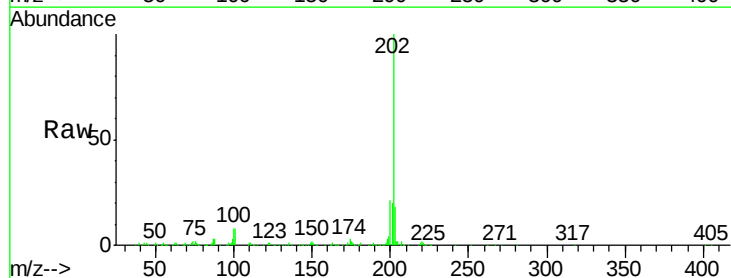
Manual Integrations
APPROVED

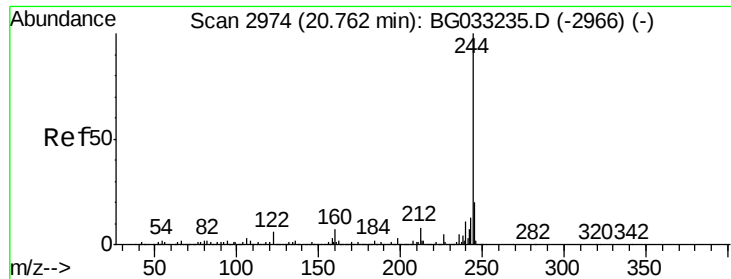
Sohil
4/6/2018 5:28:08 PM



#77
Pyrene
Concen: 8.018 ng
RT: 20.56 min Scan# 2940
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	182631		
200	21.2	16.9	25.3	
203	18.3	13.9	20.9	





#78

Terphenyl-d14

Concen: 77.862 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.00 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

Instrument :

BNA_G

ClientSampleId :

S-1-COMP

Tot Ion:244 Resp: 1243428

Ion Ratio Lower Upper

244 100

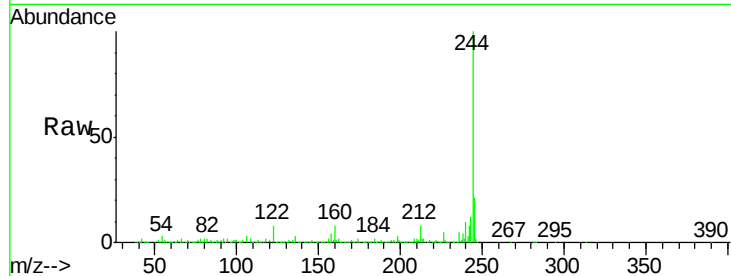
212 8.4 5.8 8.8

122 7.6 7.0 10.4

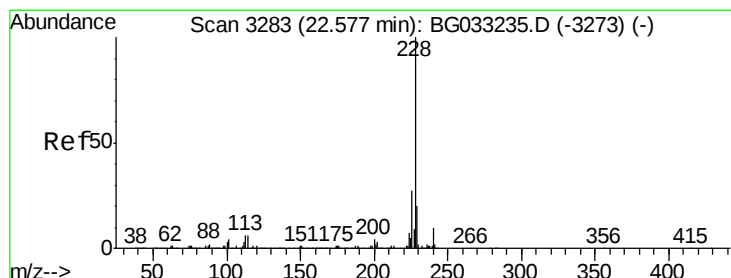
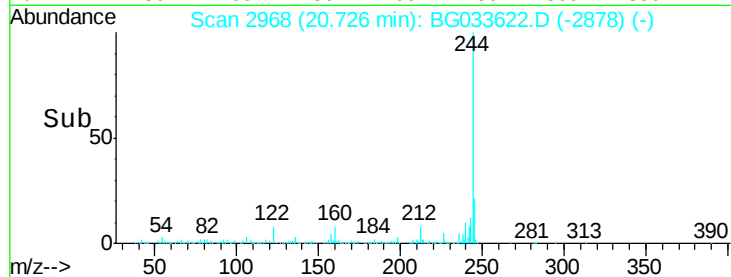
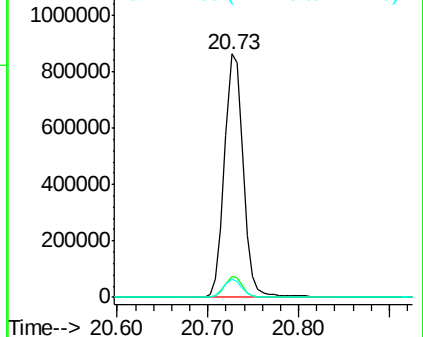
Manual Integrations
APPROVED

Sohil

4/6/2018 5:28:08 PM



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



#80

Benzo(a)anthracene

Concen: 5.718 ng

RT: 22.54 min Scan# 3276

Delta R.T. -0.00 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

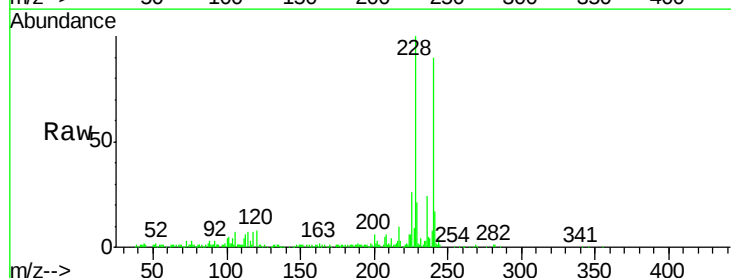
Tgt Ion:228 Resp: 124350

Ion Ratio Lower Upper

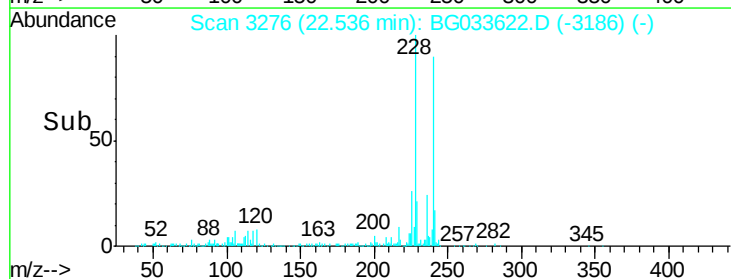
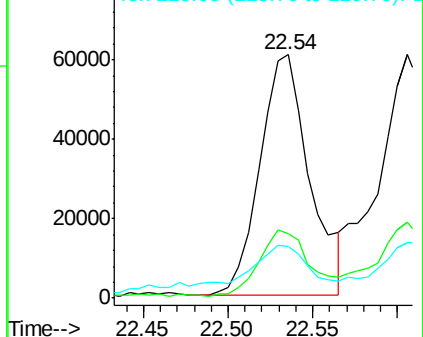
228 100

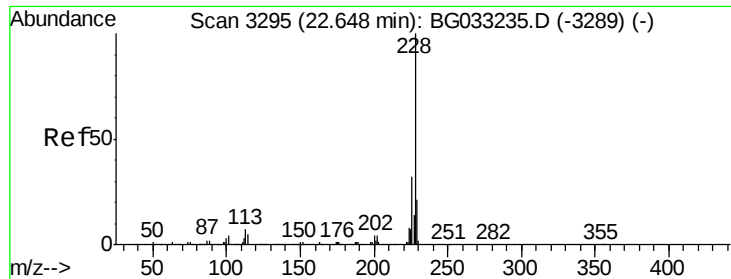
226 26.4 22.7 34.1

229 21.3 16.2 24.2



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





#82

Chrysene

Concen: 6.641 ng/mL

RT: 22.61 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

Instrument :

BNA_G

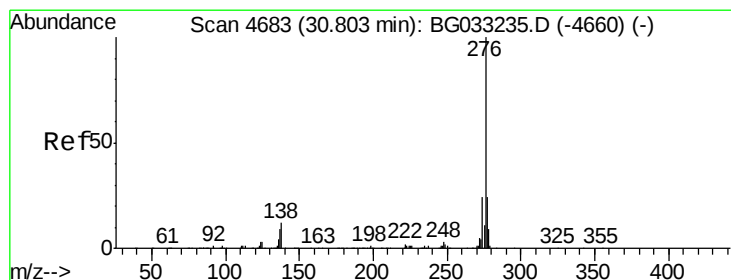
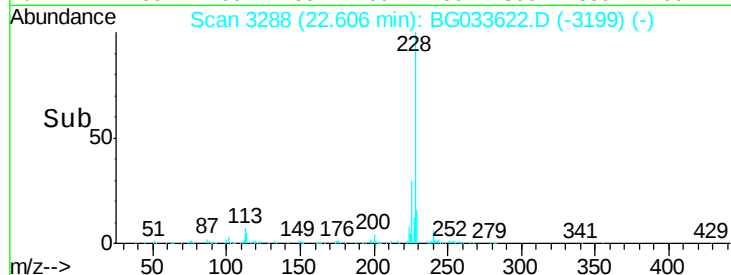
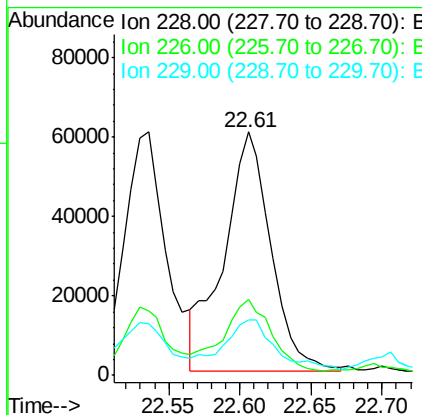
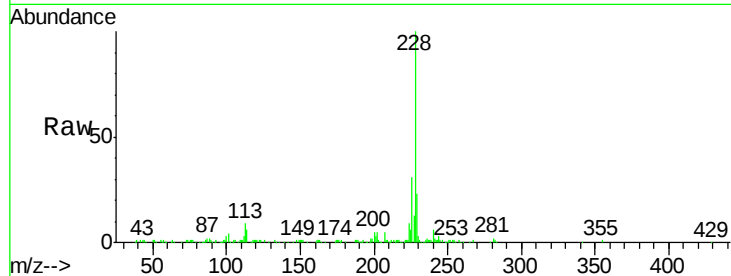
ClientSampled :

S-1-COMP

Tot Ion:	228	Resp:	139797
Ion Ratio		Lower	Upper
228	100		
226	31.4	24.9	37.3
229	23.0	15.0	22.4#

Manual Integrations
APPROVED

Sohil
4/6/2018 5:28:08 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.251 ng/mL

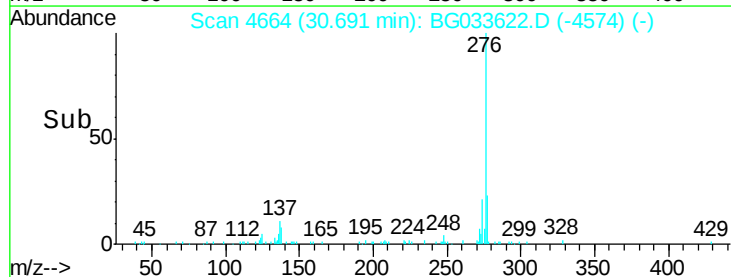
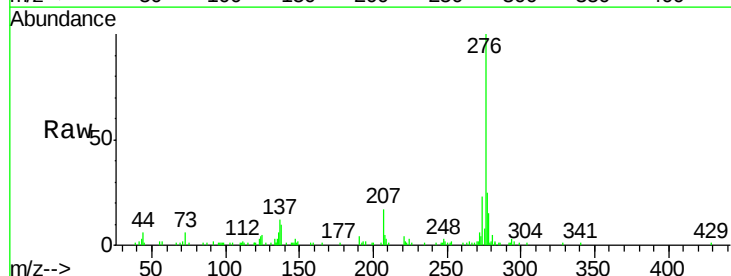
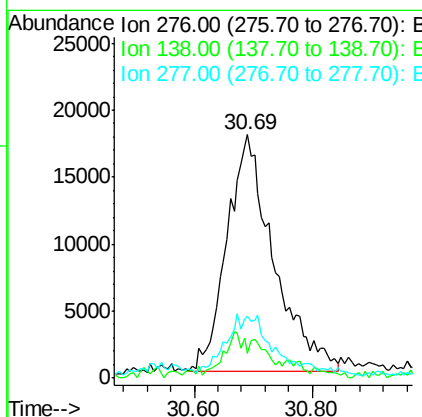
RT: 30.69 min Scan# 4664

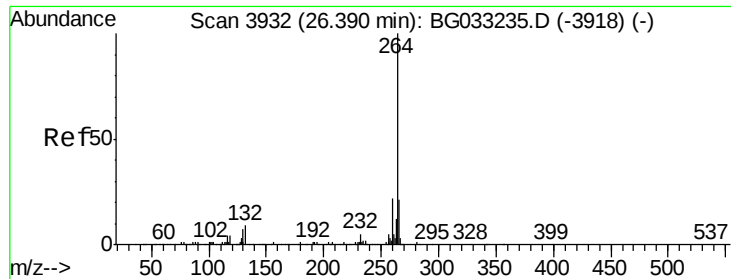
Delta R.T. -0.00 min

Lab File: BG033622.D

Acq: 6 Apr 2018 9:59

Tgt Ion:	276	Resp:	96753
Ion Ratio		Lower	Upper
276	100		
138	0.0	16.0	24.0#
277	0.0	20.0	30.0#





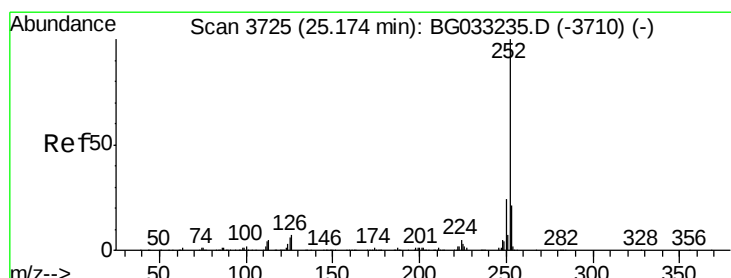
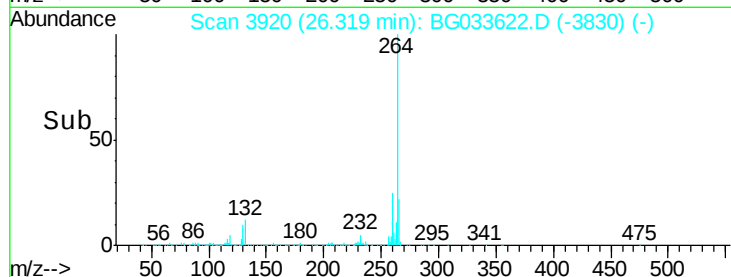
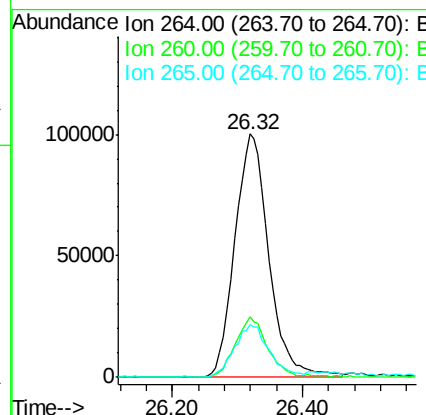
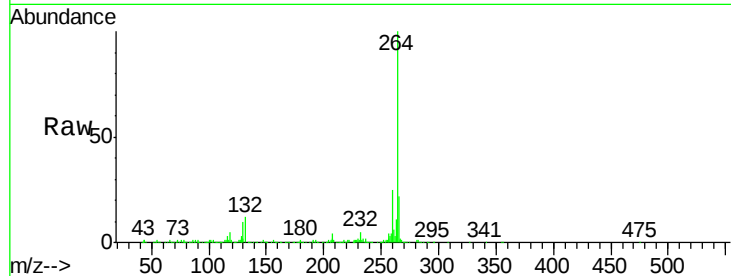
#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.32 min Scan# 3920
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.4	26.0
265	22.0	17.7	26.5

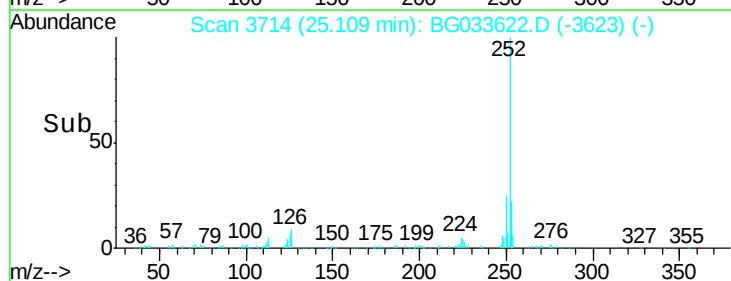
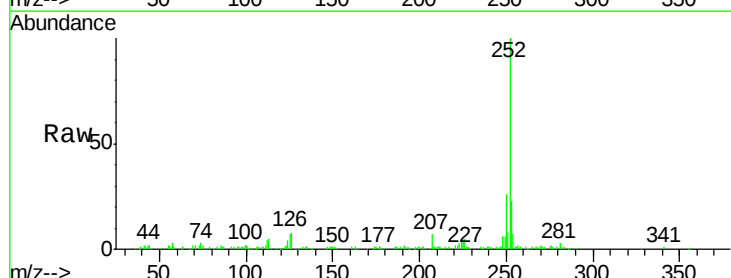
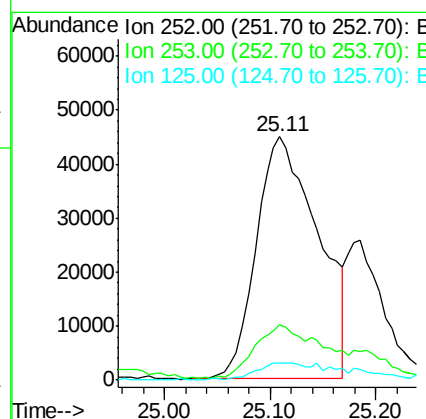
Manual Integrations
APPROVED

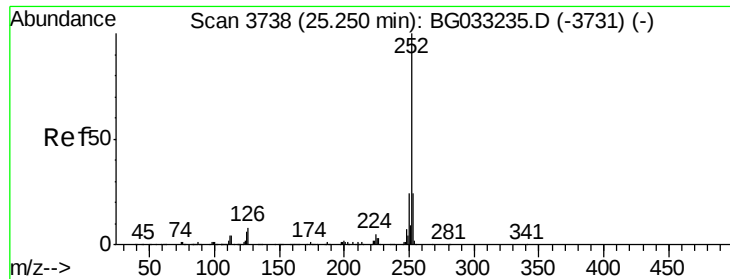
Sohil
4/6/2018 5:28:08 PM



#87
Benzo(b)fluoranthene
Concen: 8.697 ng
RT: 25.11 min Scan# 3714
Delta R.T. 0.01 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	7.0	7.2	10.8#





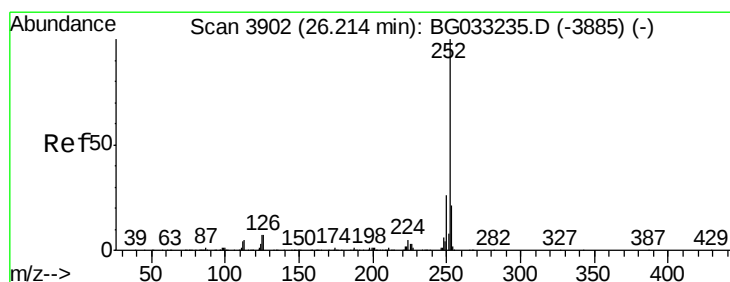
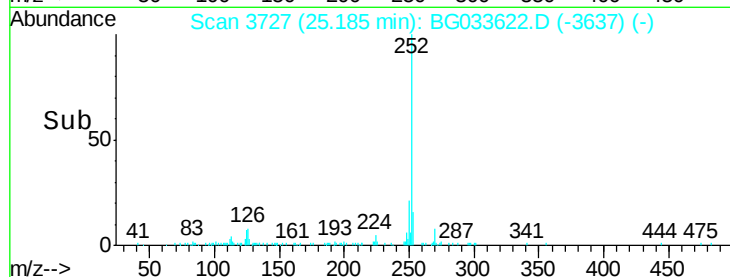
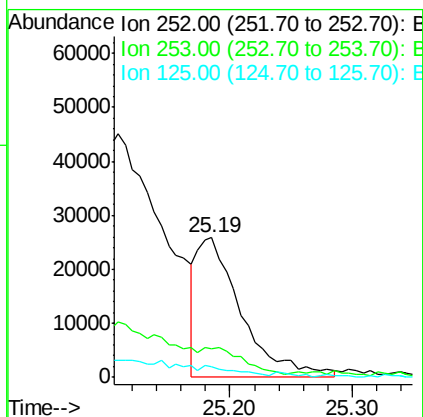
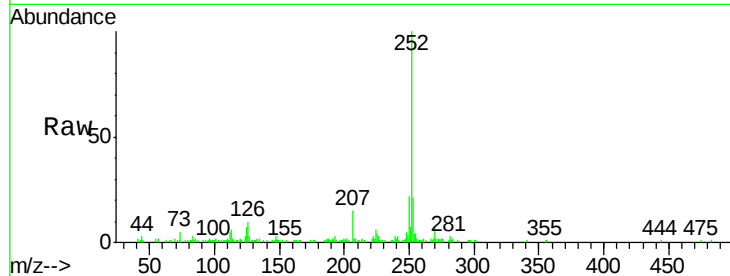
#88
Benzo(k)fluoranthene
Concen: 3.126 ng m
RT: 25.19 min Scan# 3727
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Instrument :
BNA_G
ClientSampleId :
S-1-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.2
125	7.2	6.6	9.8

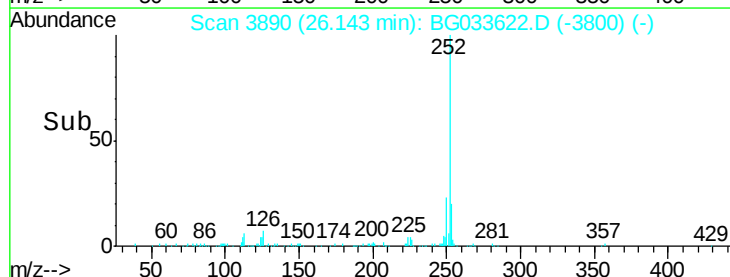
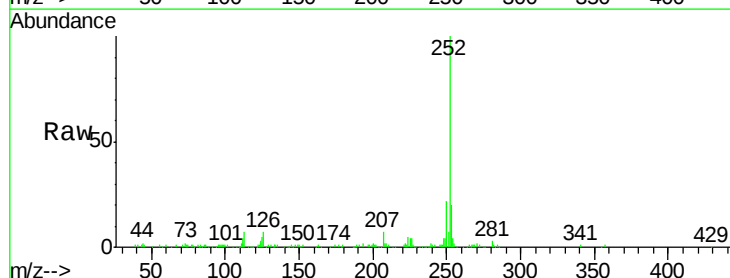
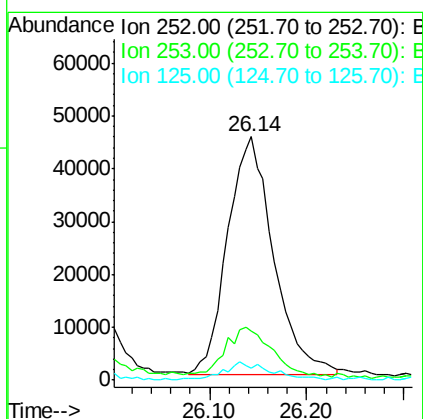
Manual Integrations
APPROVED

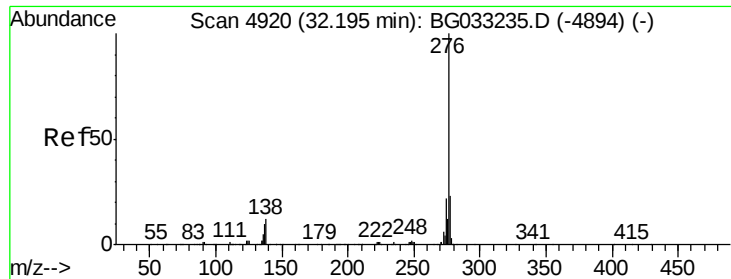
Sohil
4/6/2018 5:28:08 PM



#89
Benzo(a)pyrene
Concen: 7.379 ng m
RT: 26.14 min Scan# 3890
Delta R.T. -0.00 min
Lab File: BG033622.D
Acq: 6 Apr 2018 9:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.3	27.5
125	4.7	7.3	10.9#





#91
 Benzo(a,h,i)perylene
 Concen: 5.889 ng
 RT: 32.07 min Scan# 4898
 Delta R.T. -0.01 min
 Lab File: BG033622.D
 Acq: 6 Apr 2018 9:59

Instrument :
 BNA_G
 ClientSampleId :
 S-1-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.3	27.5
138	13.0	13.9	20.9

Manual Integrations
 APPROVED

Sohil
 4/6/2018 5:28:08 PM

