

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
 Data File : BM012158.D
 Acq On : 14 Oct 2017 05:39
 Operator : SJ/JU
 Sample : I5649-05MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MSD

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:44:48 PM

Quant Time: Oct 15 05:41:29 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 05:27:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	222870	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	866919	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	440951	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	885742	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	914549	20.00	ng/ul	0.00
83) Perylene-d12	23.71	264	1013739	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	19895	4.24	ng/uL	0.00
5) Phenol-d5	6.99	99	439290	24.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	267401	24.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	387492	25.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	371439	23.86	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	183074	27.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	215322	27.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	382704	25.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	255036	18.46	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	1124882	28.86	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	1379228	29.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	128346	21.91	ng/ul	0.00
57) Fluorene-d10	15.47	176	911154	28.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	138175	22.73	ng/ul	0.00
70) Anthracene-d10	17.32	188	1275778	29.13	ng/ul	0.00
76) Pyrene-d10	19.62	212	1404804	30.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1457517	29.82	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.02	94	503798	26.95	ng/ul#	84
10) 2-Chlorophenol	7.39	128	410087	26.20	ng/ul	95
14) Acetophenone	8.65	105	92038	3.89	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.63	70	273342	21.56	ng/ul#	69
28) Naphthalene	10.67	128	56617	1.26	ng/ul	99
33) 4-Chloro-3-methylphenol	11.92	107	415522	27.28	ng/ul	97
44) Dimethylphthalate	13.93	163	371987	9.53	ng/ul	99
47) Acenaphthylene	14.20	152	46772	1.01	ng/ul	98
49) Acenaphthene	14.54	153	814773	26.11	ng/ul	99
52) 4-Nitrophenol	14.70	109	130510	24.79	ng/ul#	81
54) 2,4-Dinitrotoluene	14.85	165	267836	23.84	ng/ul#	88
68) Pentachlorophenol	16.87	266	185714	27.72	ng/ul	98
69) Phenanthrene	17.26	178	426275	8.46	ng/ul	99
71) Anthracene	17.35	178	103593	1.99	ng/ul	95
74) Fluoranthene	19.28	202	1057757	17.40	ng/ul#	93
77) Pyrene	19.64	202	2745100	45.45	ng/ul#	92
80) Benzo(a)anthracene	21.39	228	624012	10.49	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	84951	2.11	ng/ul	96
82) Chrysene	21.43	228	664038	11.89	ng/ul	97
85) Benzo(b)fluoranthene	23.01	252	868960	13.14	ng/ul#	94
86) Benzo(k)fluoranthene	23.06	252	294157m	4.61	ng/ul	
88) Benzo(a)pyrene	23.61	252	633929	10.17	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	462075	6.98	ng/ul#	96

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012158.D
Acq On : 14 Oct 2017 05:39
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM

Quant Time: Oct 15 05:41:29 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Oct 15 05:27:50 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	26.08	278	115109	2.07	ng/ul#	76
91) Benzo(g,h,i)perylene	26.81	276	414286	7.64	ng/ul#	94

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

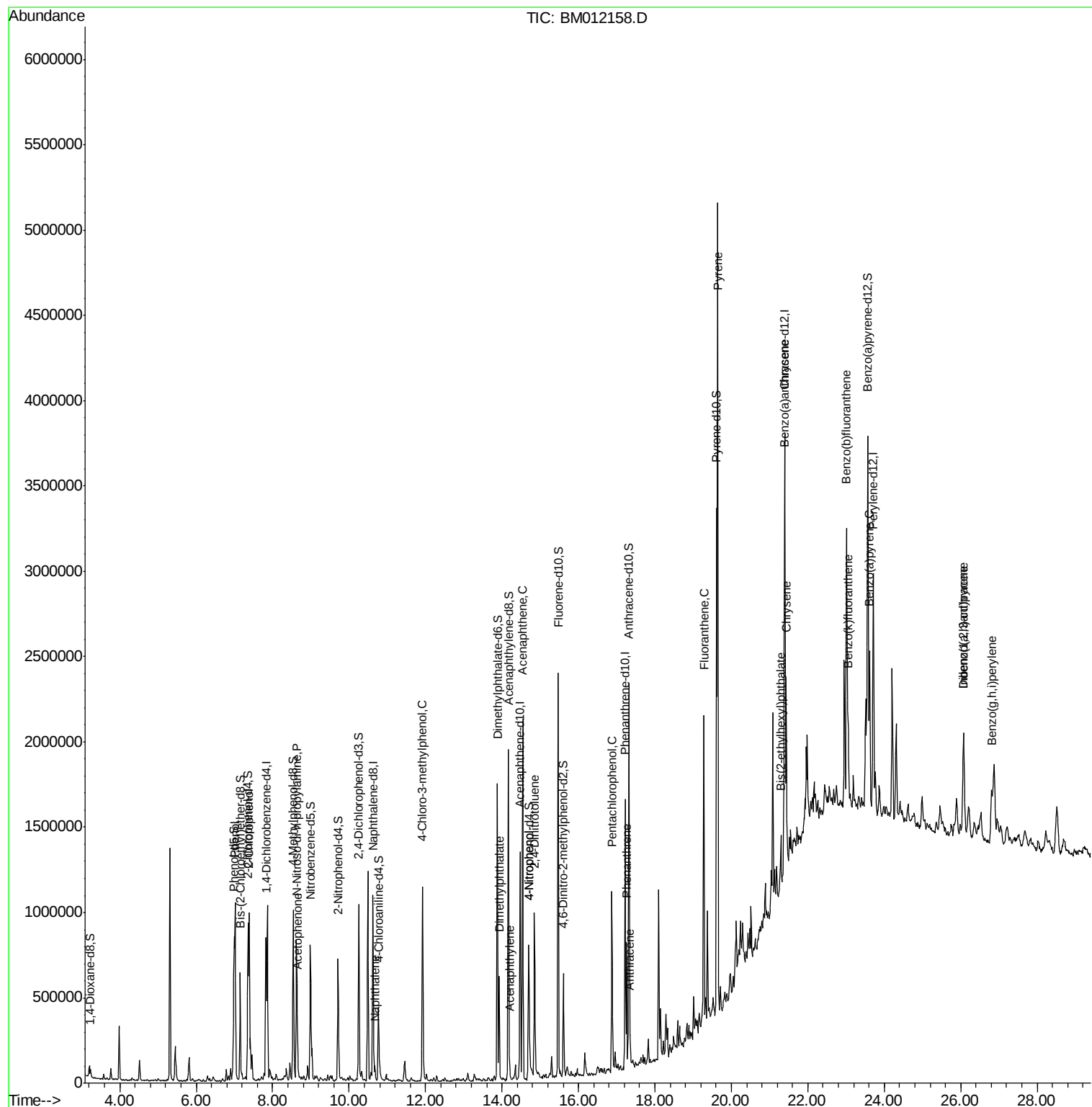
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101317\
Data File : BM012158.D
Acq On : 14 Oct 2017 05:39
Operator : SJ/JU
Sample : I5649-05MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

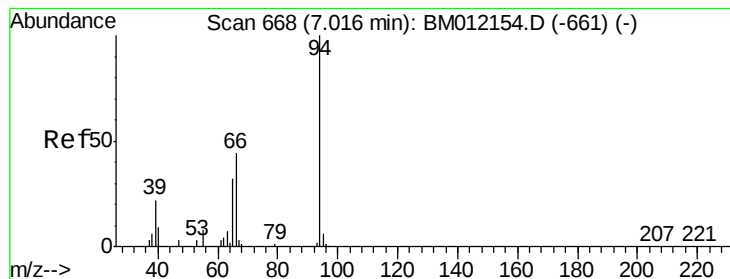
Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM

Quant Time: Oct 15 05:41:29 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Oct 15 05:27:50 2017
Response via : Initial Calibration





#6

Phenol

Concen: 26.95 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

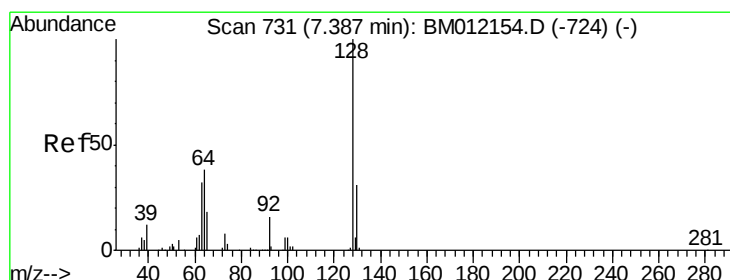
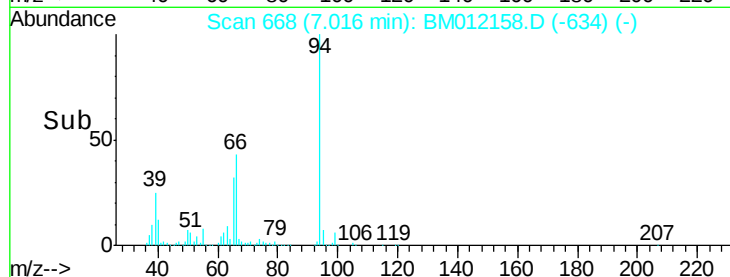
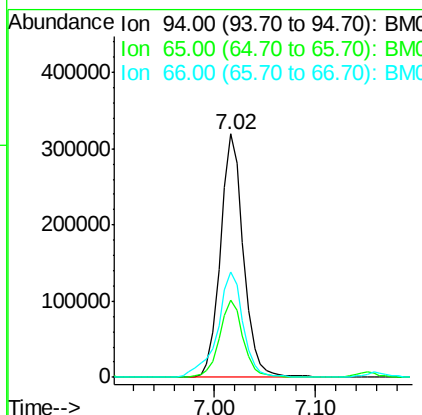
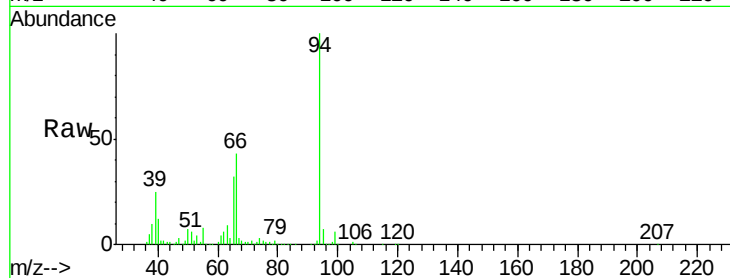
ClientSampleId :

B-59(FILL)-100317MSD

Tgt Ion:	94	Resp:	503798
Ion Ratio		Lower	Upper
94	100		
65	31.7	28.2	42.4
66	43.1	47.2	70.8#

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM



#10

2-Chlorophenol

Concen: 26.20 ng/ul

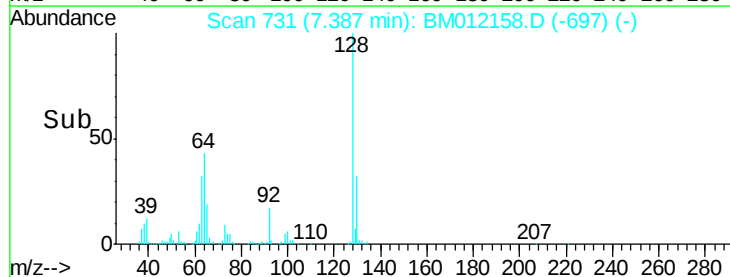
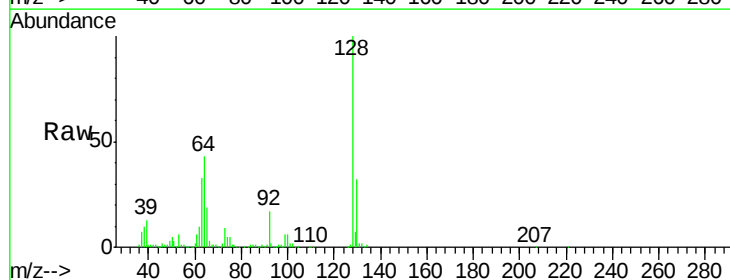
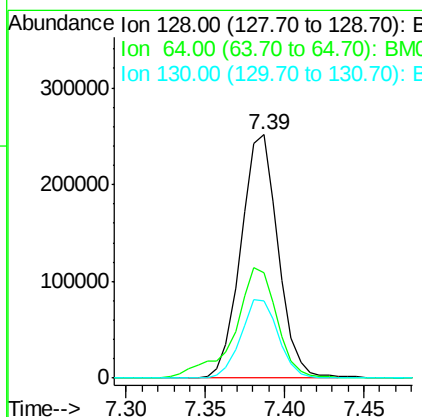
RT: 7.39 min Scan# 731

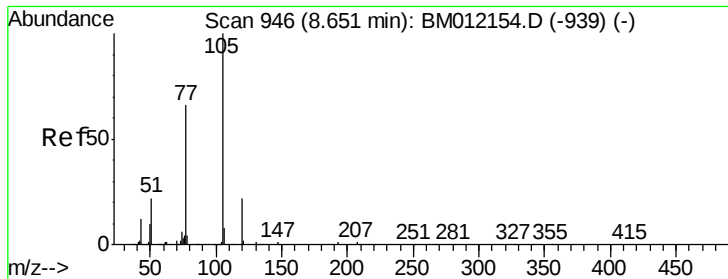
Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion:	128	Resp:	410087
Ion Ratio		Lower	Upper
128	100		
64	43.4	38.0	57.0
130	31.9	24.4	36.6





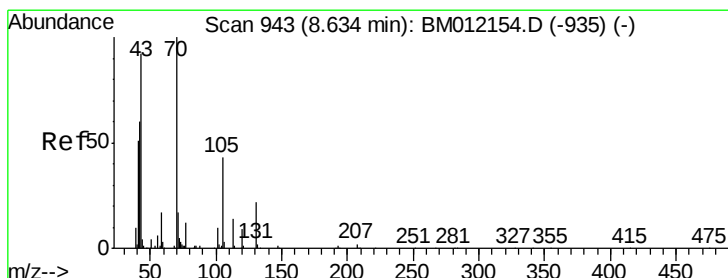
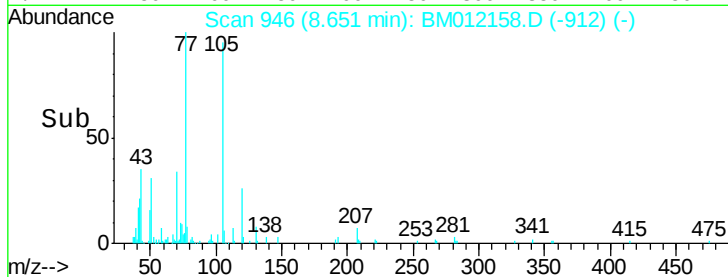
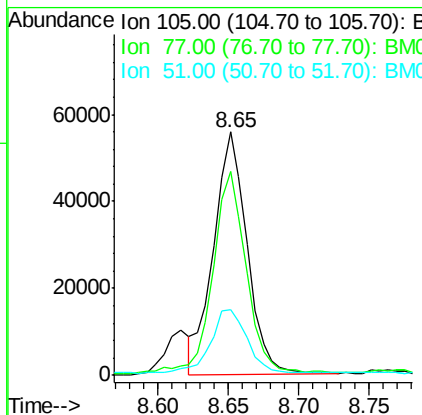
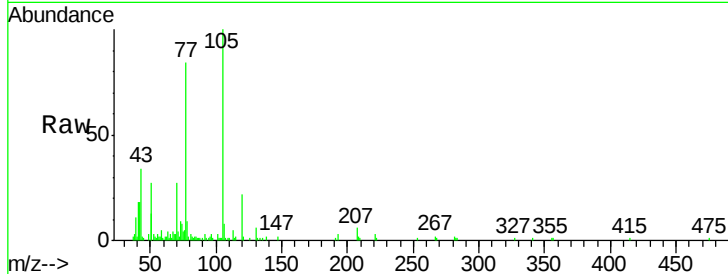
#14
Acetophenone
Concen: 3.89 ng/ul
RT: 8.65 min Scan# 946
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	92038		
77	83.7	74.2	111.4	
51	27.1	23.4	35.2	

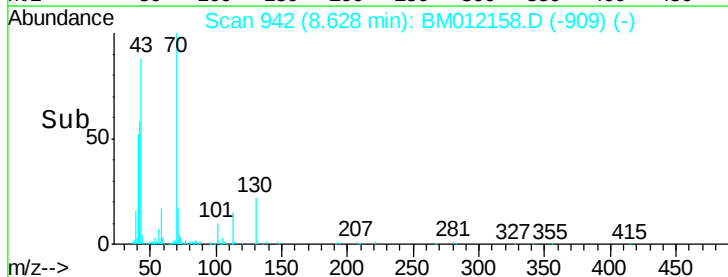
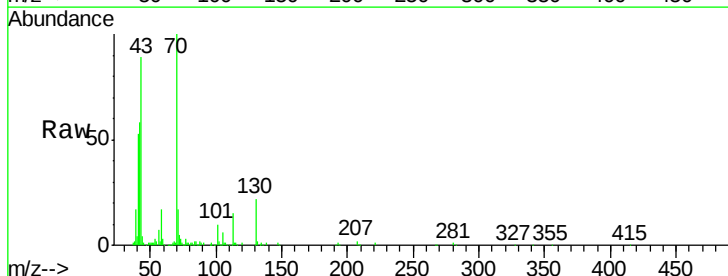
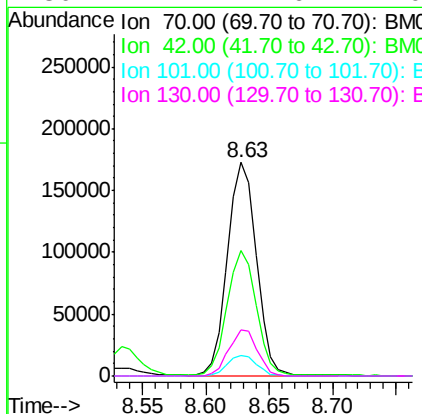
Manual Integrations
APPROVED

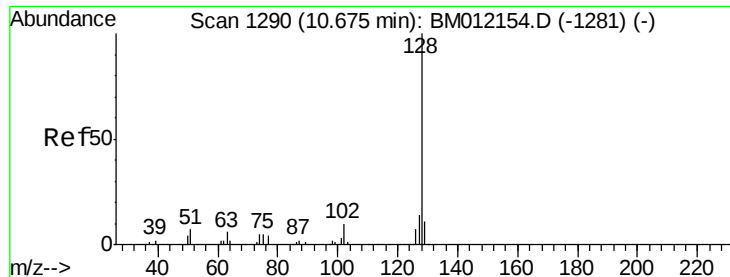
Sohil
10/15/2017 12:44:48 PM



#15
N-Nitroso-di-n-propylamine
Concen: 21.56 ng/ul
RT: 8.63 min Scan# 942
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	273342		
42	58.5	76.0	114.0#	
101	9.8	6.7	10.1	
130	21.7	14.6	22.0	





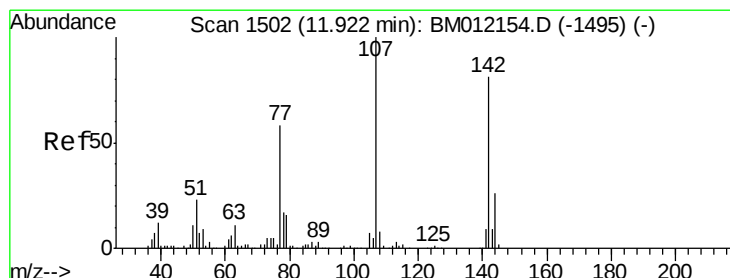
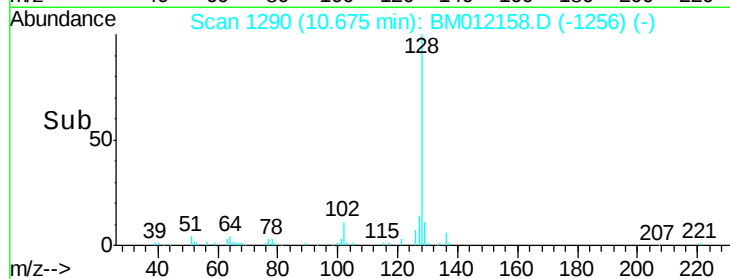
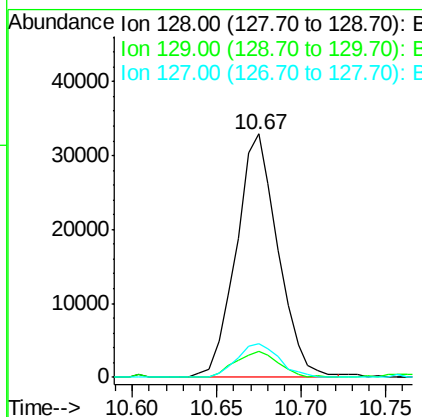
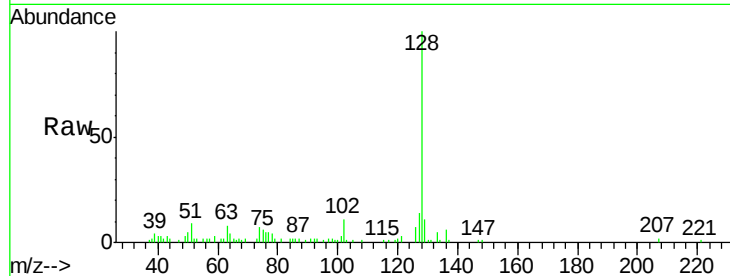
#28
Naphthalene
Concen: 1.26 ng/ul
RT: 10.67 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	56617		
129	10.8		8.8	13.2
127	13.9		10.6	16.0

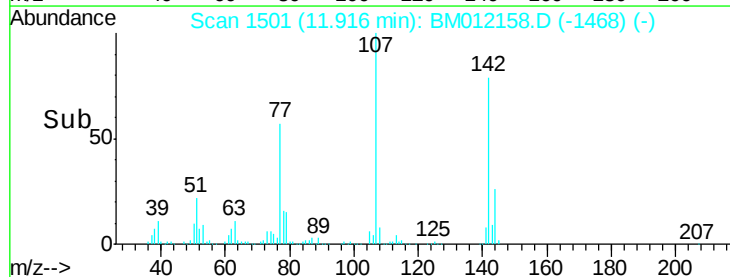
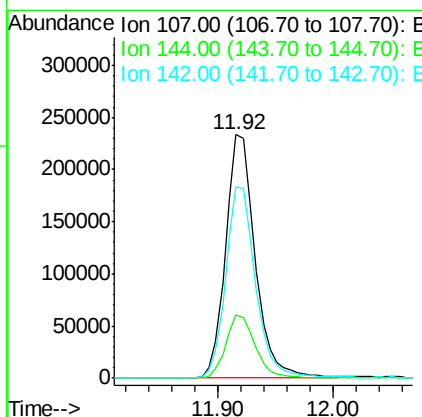
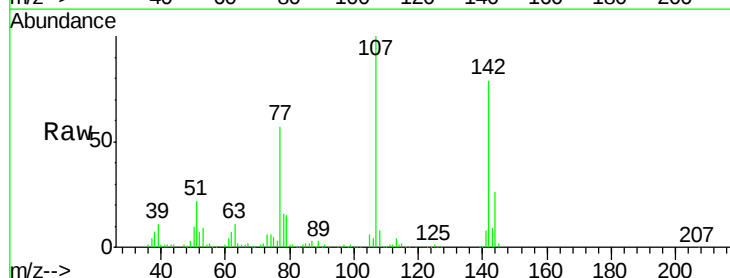
Manual Integrations
APPROVED

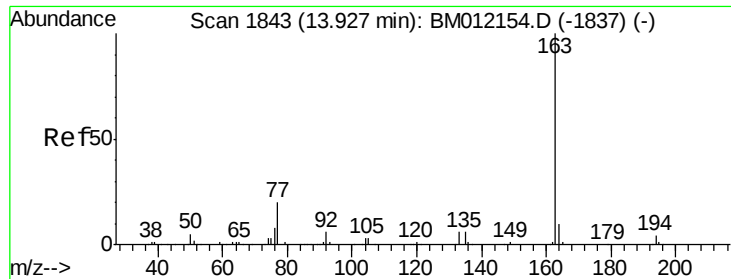
Sohil
10/15/2017 12:44:48 PM



#33
4-Chloro-3-methylphenol
Concen: 27.28 ng/ul
RT: 11.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	415522		
144	26.1		20.4	30.6
142	78.6		60.5	90.7





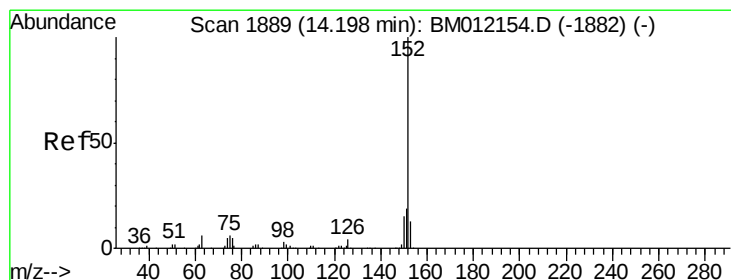
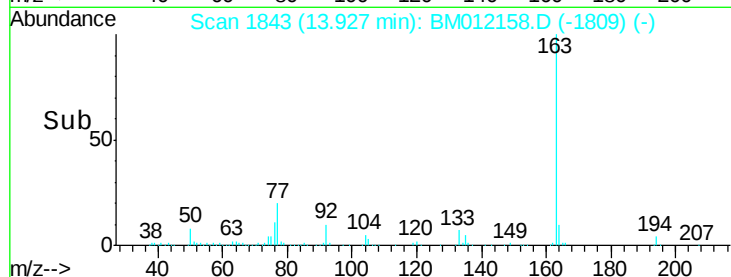
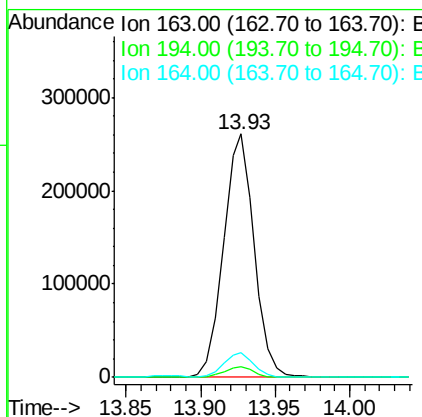
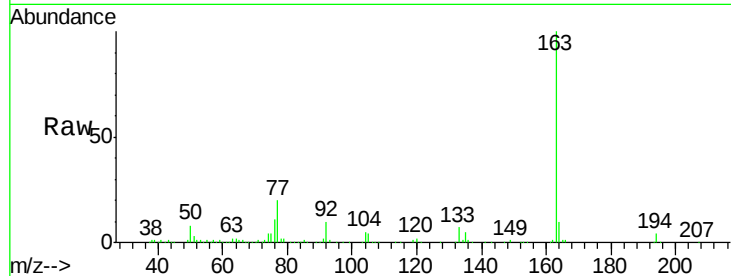
#44
Dimethylphthalate
Concen: 9.53 ng/ul
RT: 13.93 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	371987		
194	4.4		3.5	5.3
164	10.0		8.2	12.4

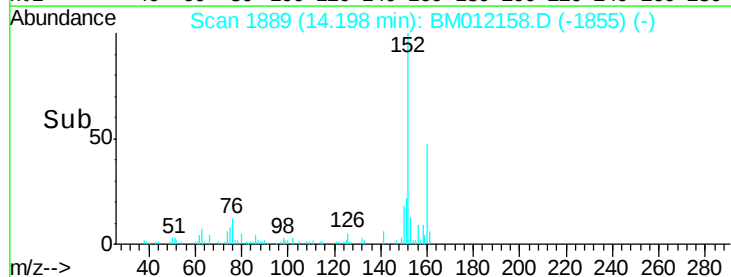
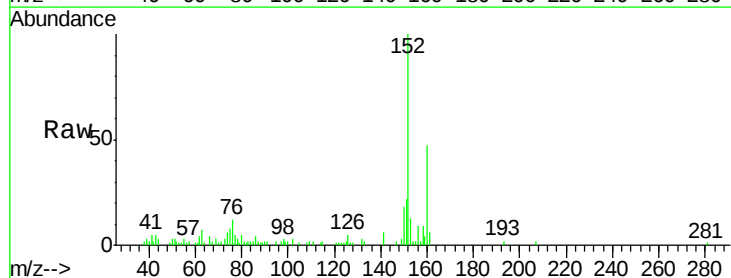
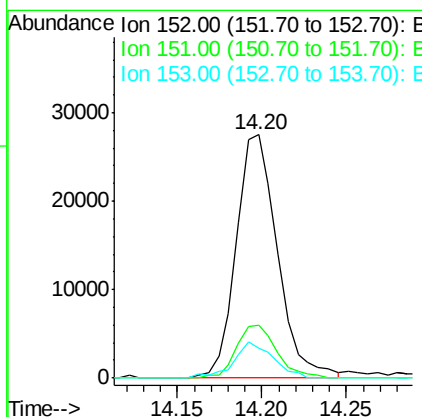
Manual Integrations
APPROVED

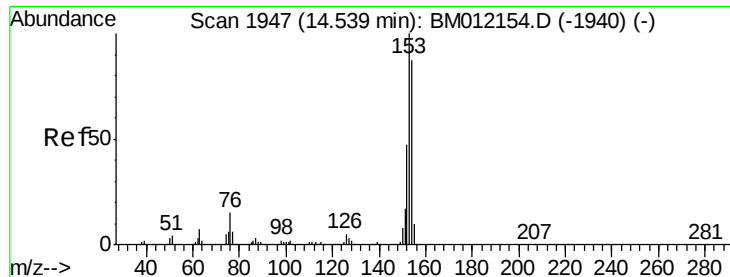
Sohil
10/15/2017 12:44:48 PM



#47
Acenaphthylene
Concen: 1.01 ng/ul
RT: 14.20 min Scan# 1889
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	46772		
151	21.7		16.3	24.5
153	12.5		10.2	15.4





#49

Acenaphthene

Concen: 26.11 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

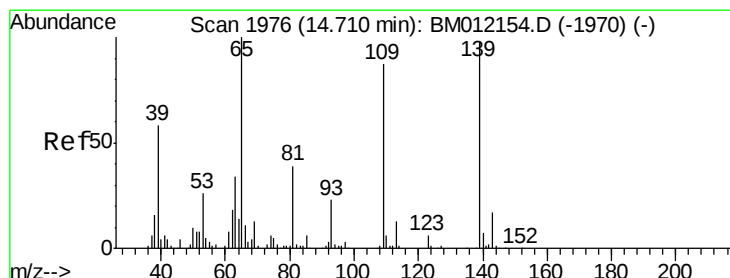
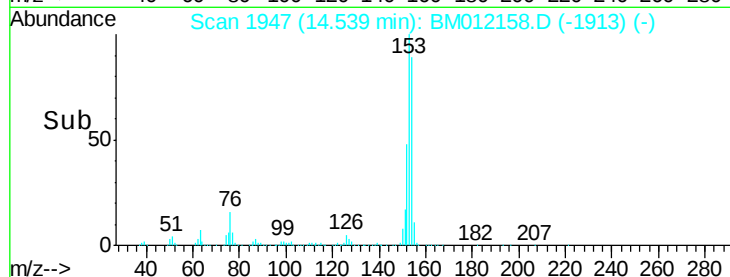
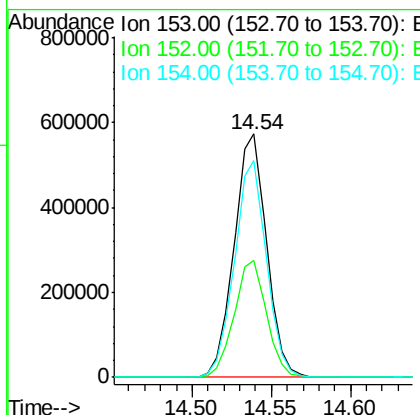
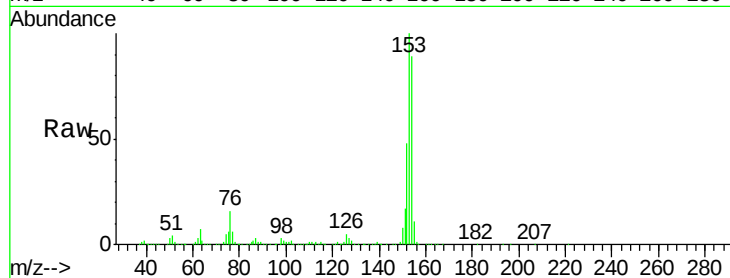
ClientSampleId :

B-59(FILL)-100317MSD

Tgt Ion:	153	Resp:	814773
Ion Ratio		Lower	Upper
153	100		
152	48.0	37.6	56.4
154	88.9	70.4	105.6

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM



#52

4-Nitrophenol

Concen: 24.79 ng/ul

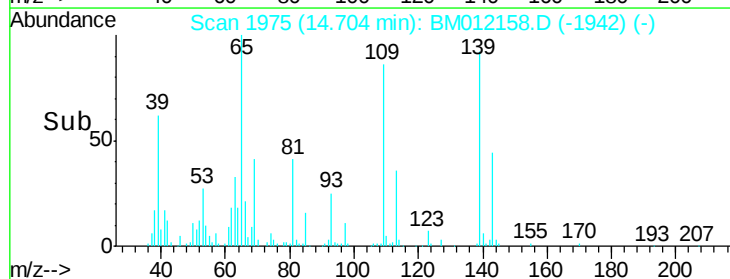
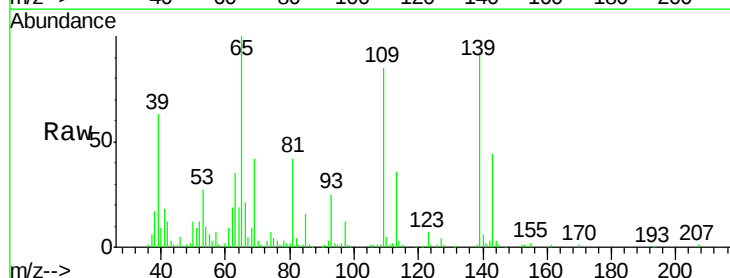
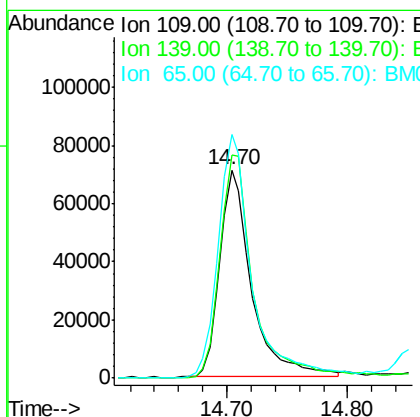
RT: 14.70 min Scan# 1975

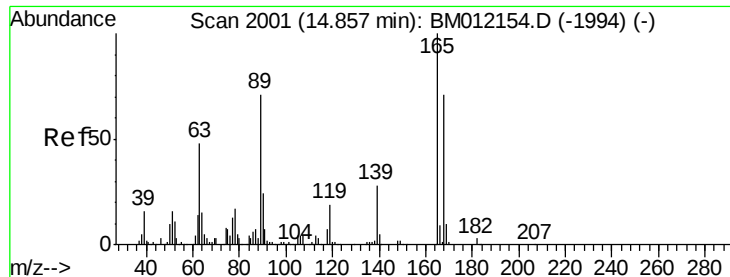
Delta R.T. -0.01 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion:	109	Resp:	130510
Ion Ratio		Lower	Upper
109	100		
139	107.6	80.0	120.0
65	117.1	120.0	180.0#





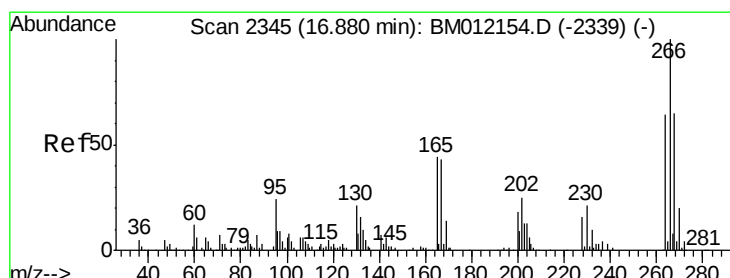
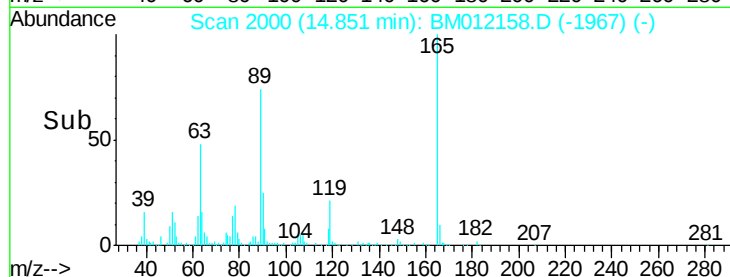
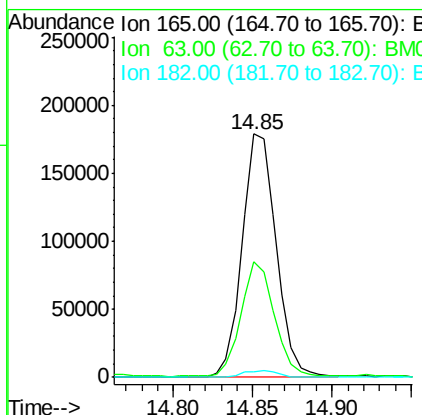
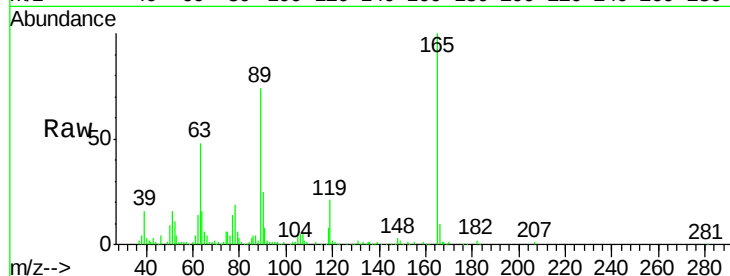
#54
2,4-Dinitrotoluene
Concen: 23.84 ng/ul
RT: 14.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	47.7	45.8	68.8
182	2.4	2.6	4.0

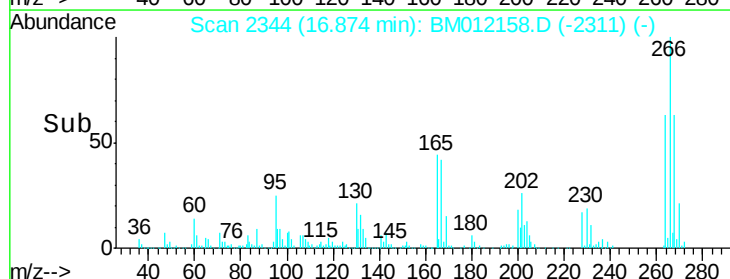
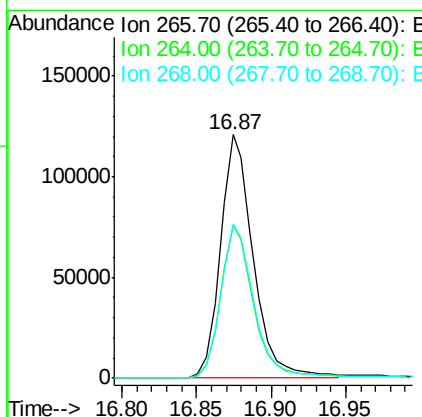
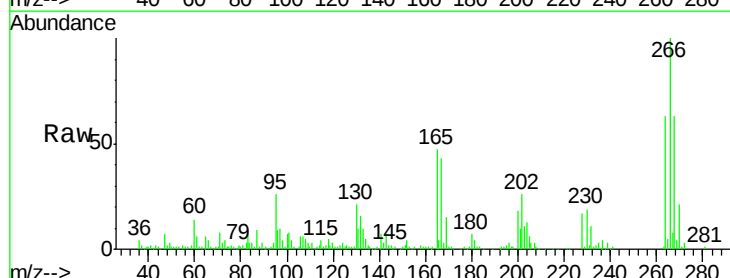
Manual Integrations
APPROVED

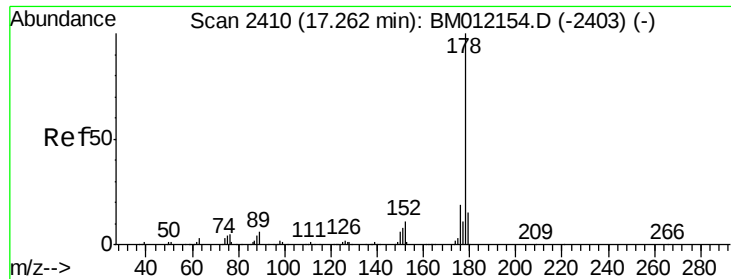
Sohil
10/15/2017 12:44:48 PM



#68
Pentachlorophenol
Concen: 27.72 ng/ul
RT: 16.87 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
264	62.6	49.3	73.9
268	63.3	52.6	78.8





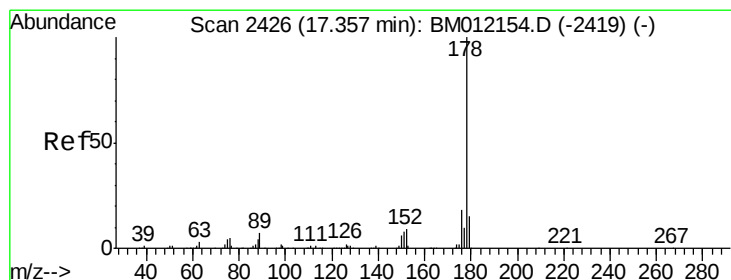
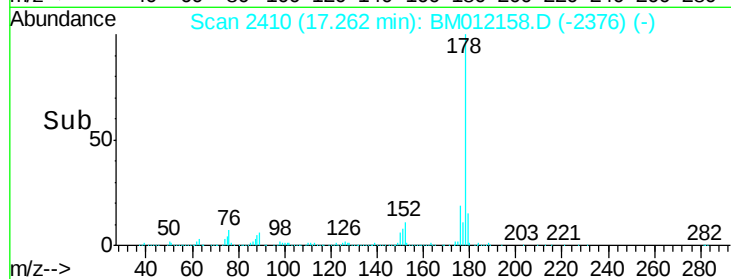
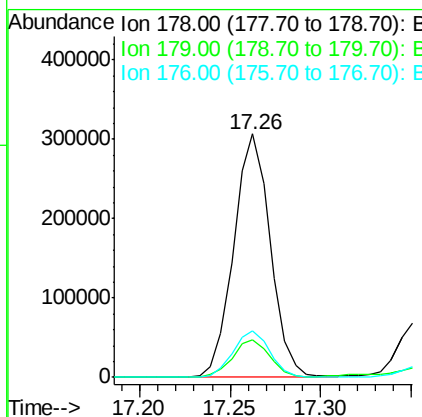
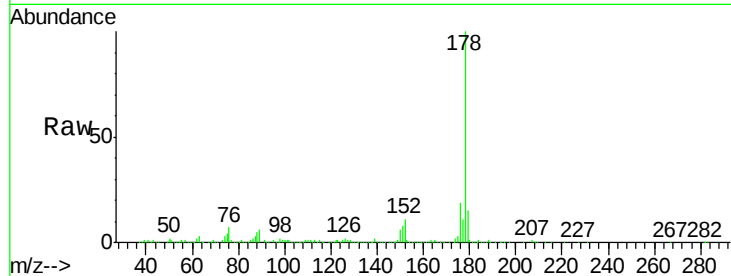
#69
Phenanthrene
Concen: 8.46 ng/ul
RT: 17.26 min Scan# 2410
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.2	14.9	22.3

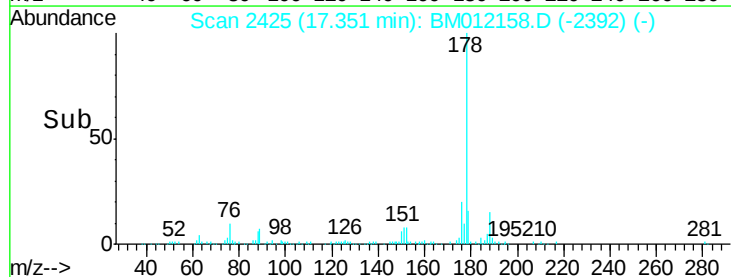
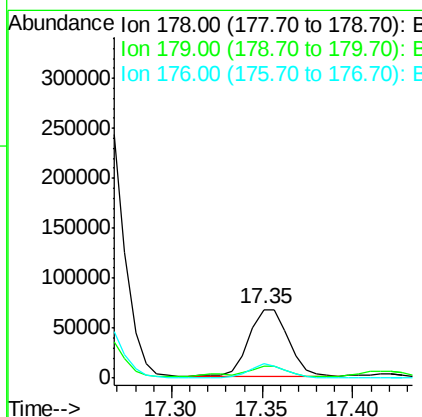
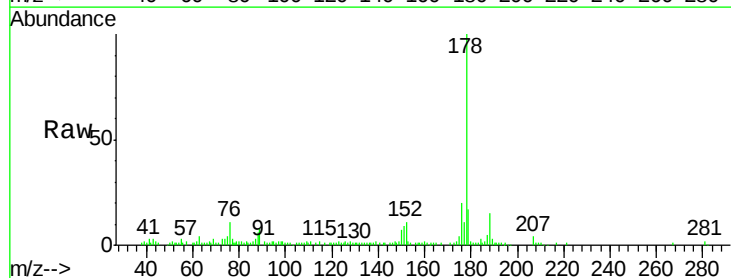
Manual Integrations
APPROVED

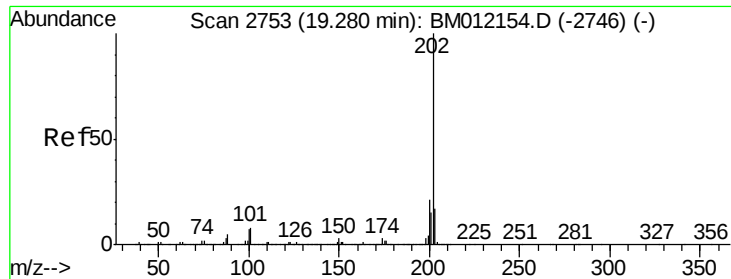
Sohil
10/15/2017 12:44:48 PM



#71
Anthracene
Concen: 1.99 ng/ul
RT: 17.35 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	11.7	17.5
176	20.3	14.6	21.8





#74

Fluoranthene

Concen: 17.40 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

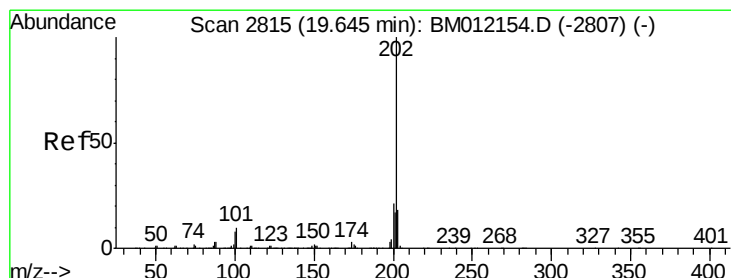
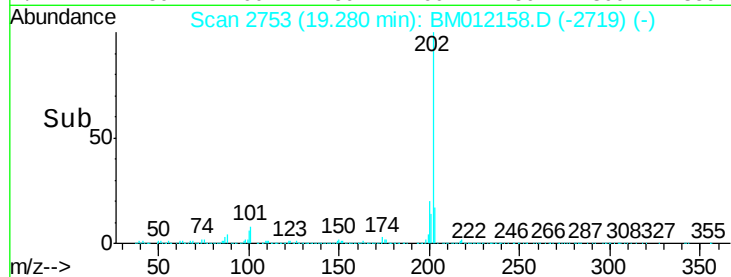
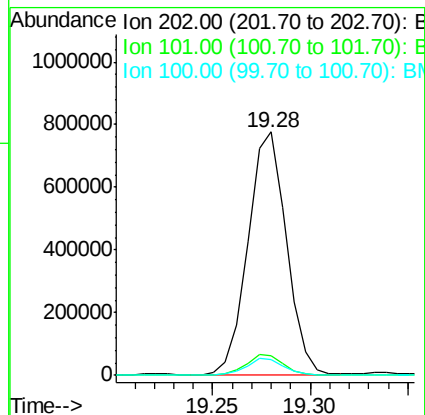
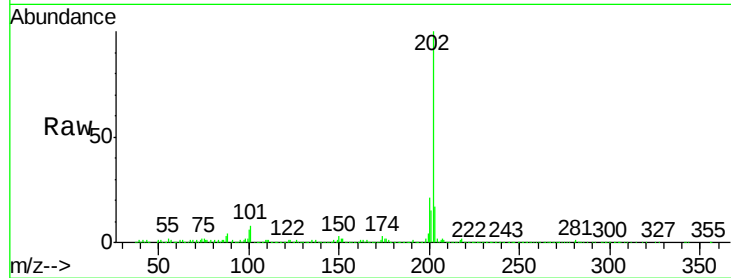
ClientSampleId :

B-59(FILL)-100317MSD

Tgt Ion:	202	Resp:	1057757
Ion Ratio	Lower	Upper	
202	100		
101	8.0	4.6	7.0#
100	6.4	3.4	5.2#

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM



#77

Pyrene

Concen: 45.45 ng/ul

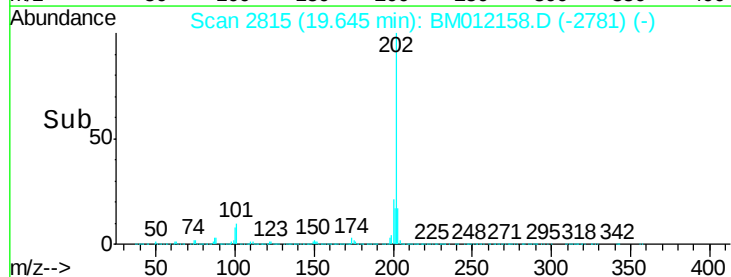
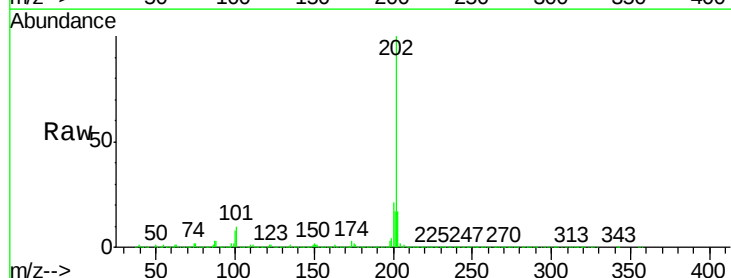
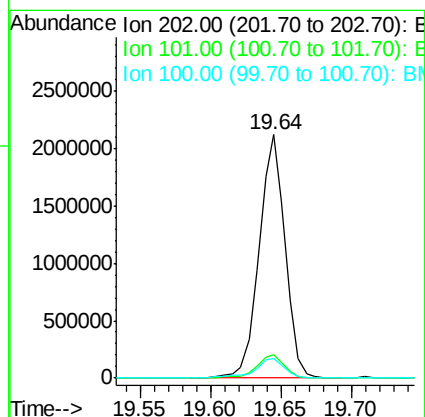
RT: 19.64 min Scan# 2815

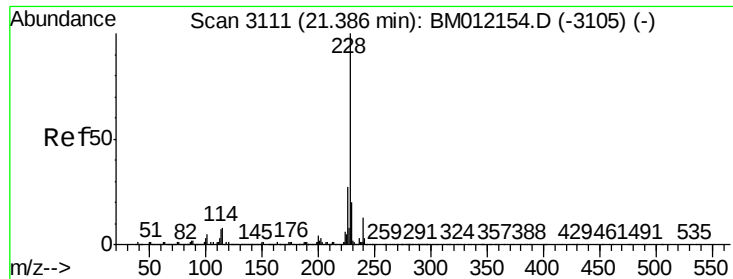
Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion:	202	Resp:	2745100
Ion Ratio	Lower	Upper	
202	100		
101	9.6	5.1	7.7#
100	8.3	4.9	7.3#





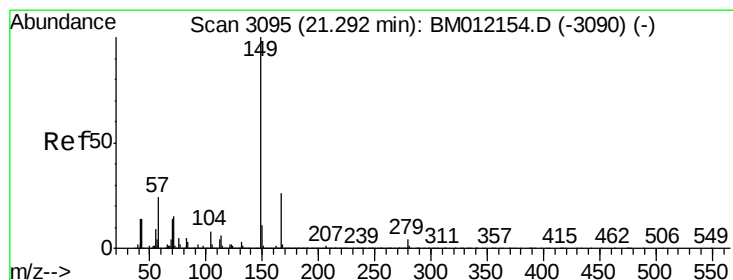
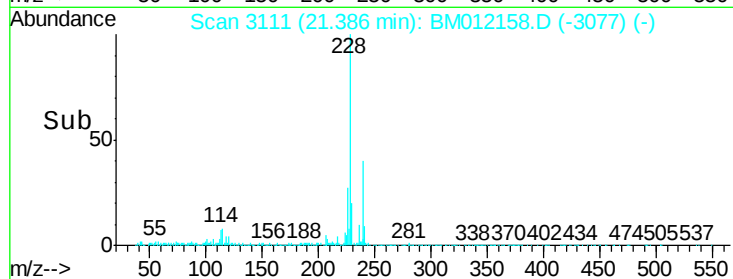
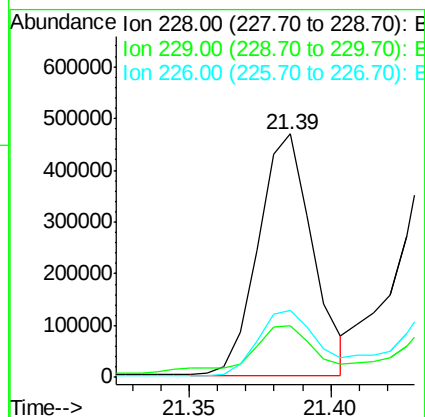
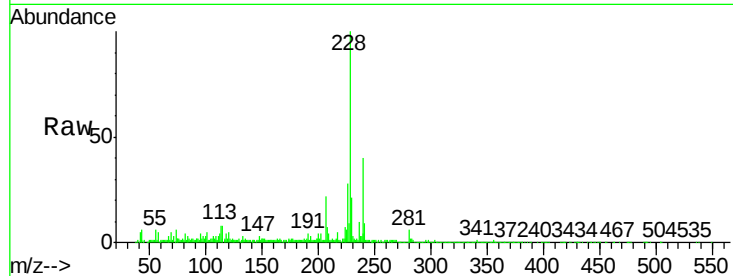
#80
Benzo(a)anthracene
Concen: 10.49 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	27.8	21.4	32.0

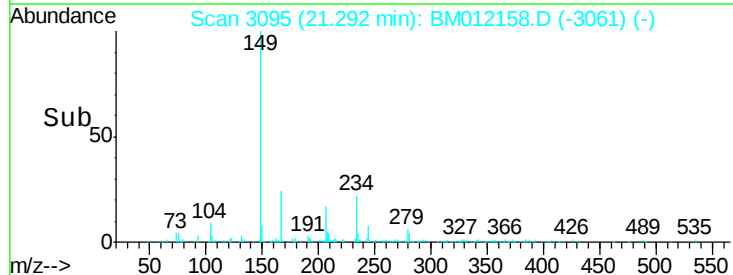
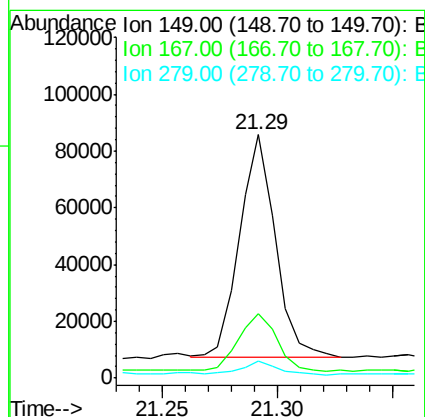
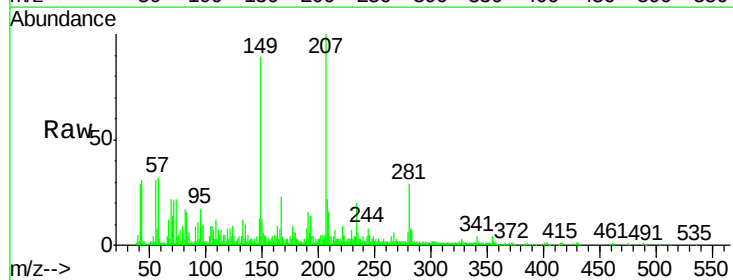
Manual Integrations
APPROVED

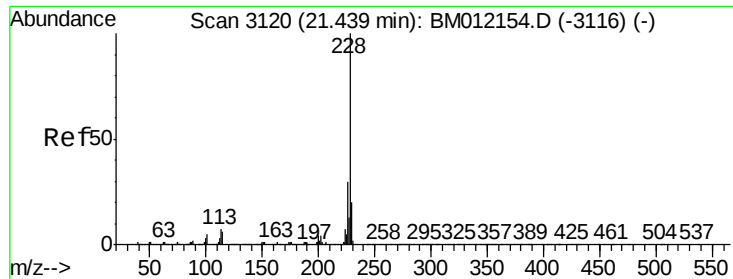
Sohil
10/15/2017 12:44:48 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.11 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.8	34.2
279	6.8	4.9	7.3





#82

Chrysene

Concen: 11.89 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

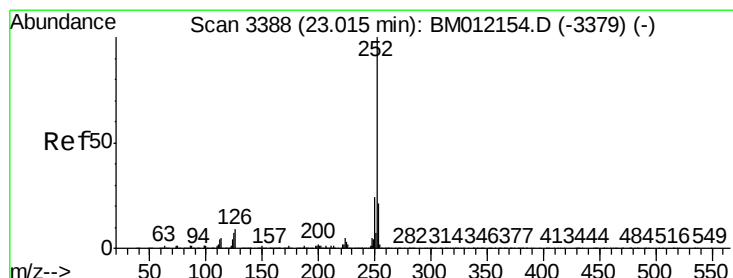
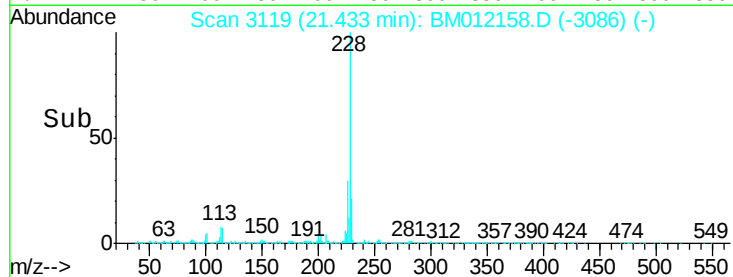
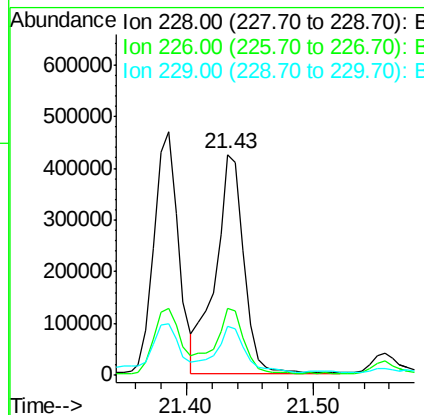
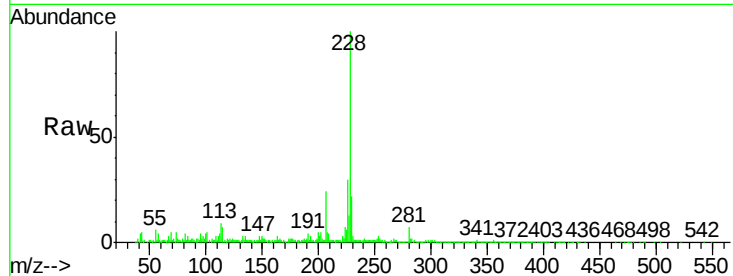
ClientSampleId :

B-59(FILL)-100317MSD

Tgt Ion:	228	Resp:	664038
Ion Ratio		Lower	Upper
228	100		
226	30.4	23.4	35.2
229	21.9	15.5	23.3

Manual Integrations
APPROVED

Sohil
10/15/2017 12:44:48 PM



#85

Benzo(b)fluoranthene

Concen: 13.14 ng/ul

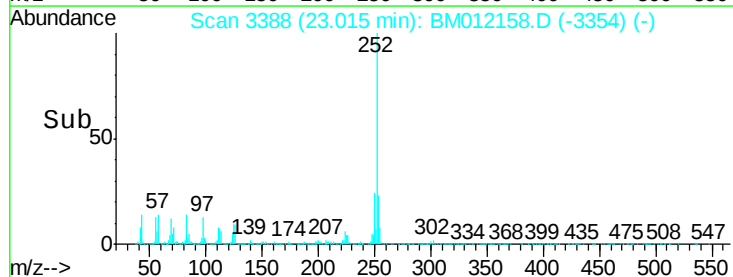
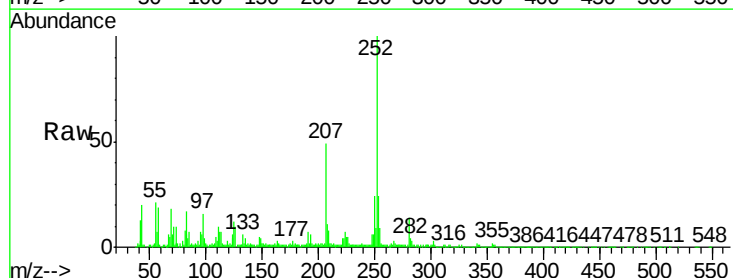
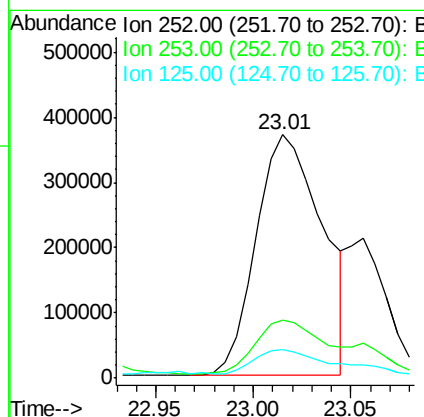
RT: 23.01 min Scan# 3388

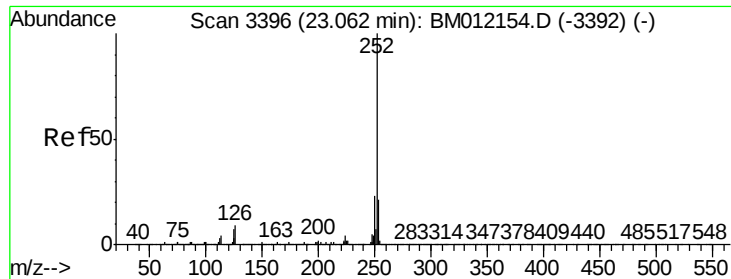
Delta R.T. -0.00 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion:	252	Resp:	868960
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.5	3.6	5.4#





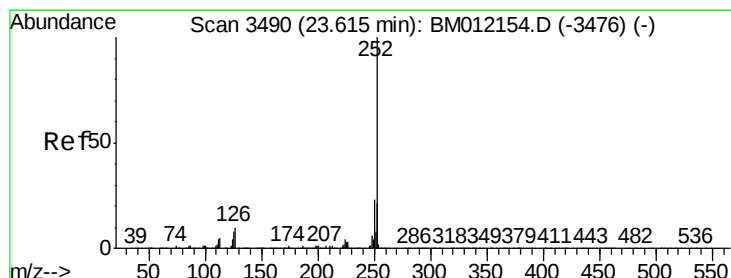
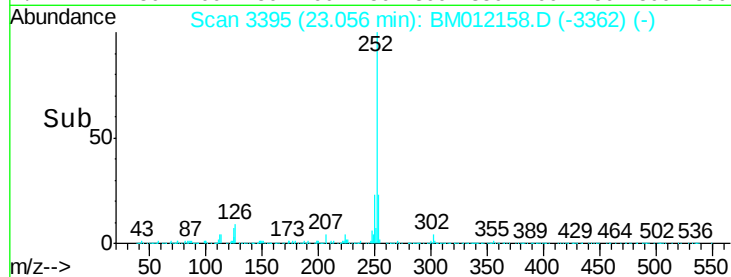
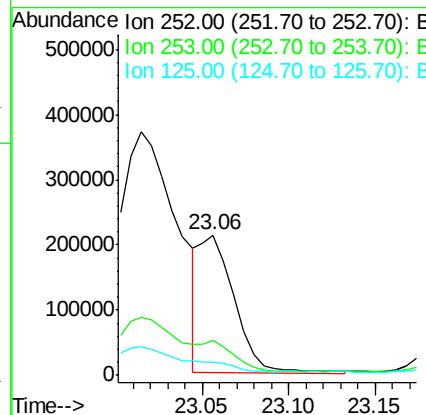
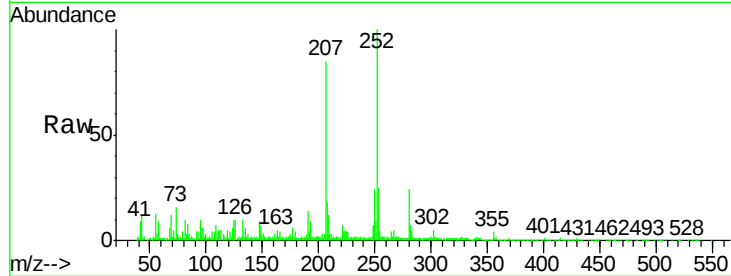
#86
Benzo(k)fluoranthene
Concen: 4.61 ng/ul m
RT: 23.06 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :
B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.7	17.1	25.7
125	9.8	3.4	5.2#

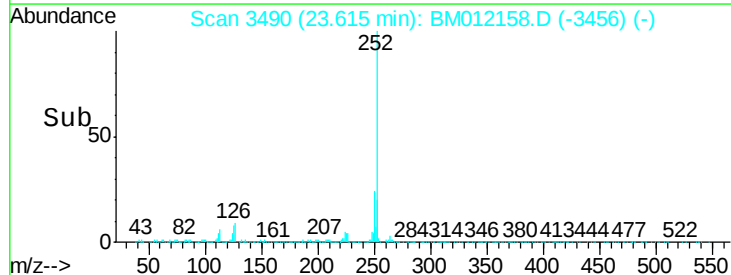
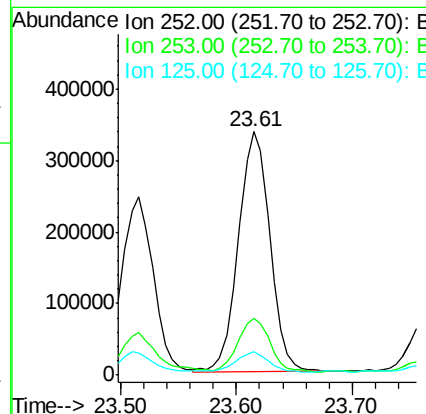
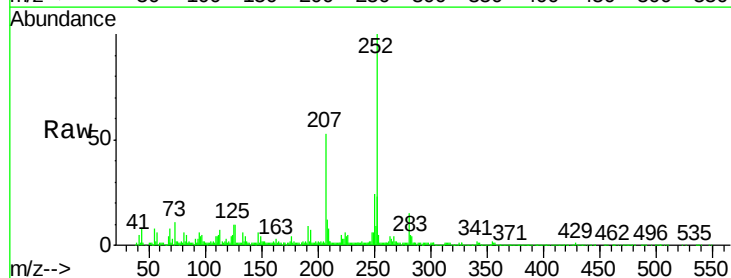
Manual Integrations
APPROVED

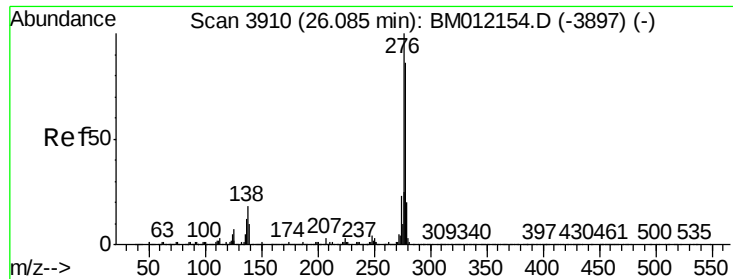
Sohil
10/15/2017 12:44:48 PM



#88
Benzo(a)pyrene
Concen: 10.17 ng/ul
RT: 23.61 min Scan# 3490
Delta R.T. -0.00 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.6	4.0	6.0#





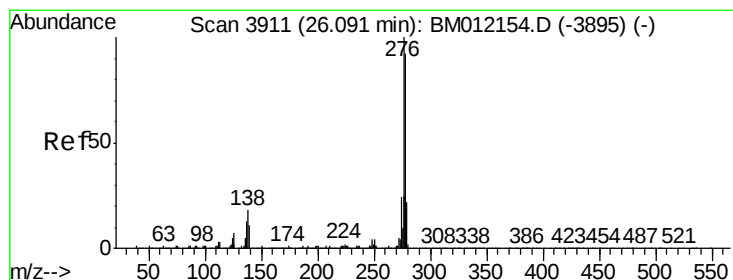
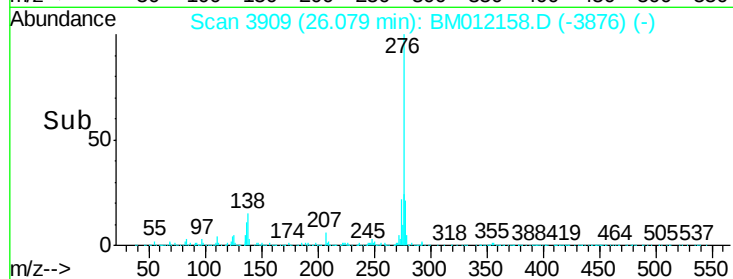
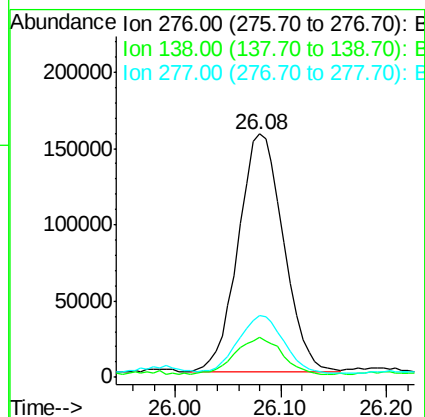
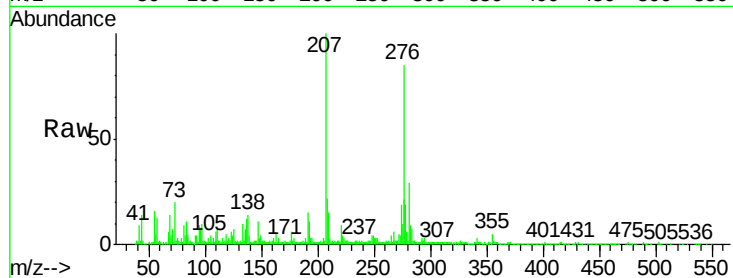
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.98 ng/ul
 RT: 26.08 min Scan# 3909
 Delta R.T. -0.01 min
 Lab File: BM012158.D
 Acq: 14 Oct 2017 05:39

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	462075		
138	16.2	9.3	13.9#	
277	25.3	19.9	29.9	

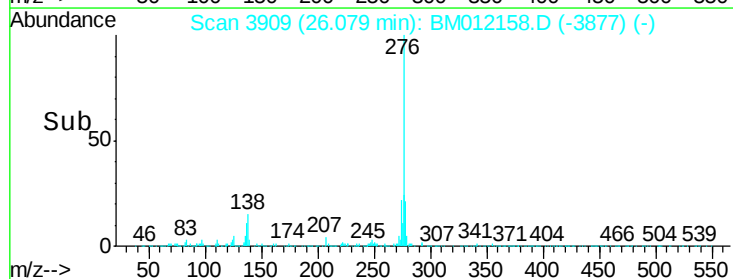
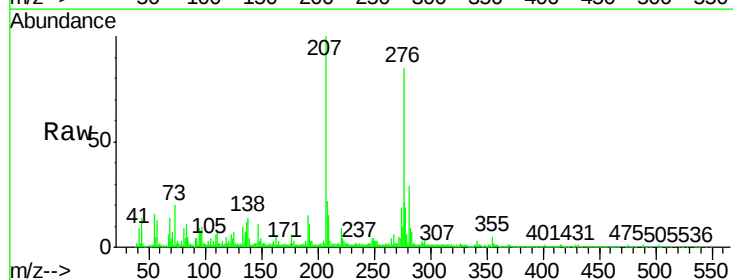
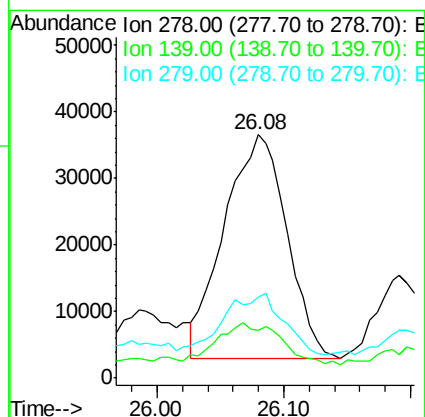
Manual Integrations
 APPROVED

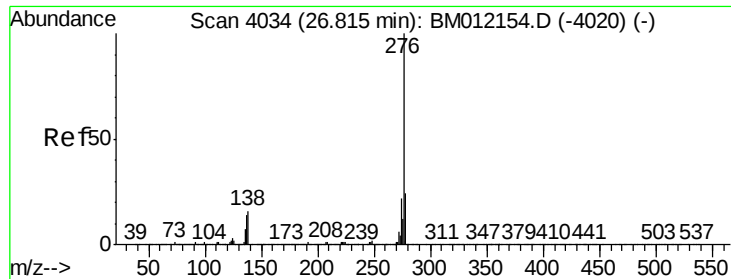
Sohil
 10/15/2017 12:44:48 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 2.07 ng/ul
 RT: 26.08 min Scan# 3909
 Delta R.T. -0.01 min
 Lab File: BM012158.D
 Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	115109		
139	19.7	5.8	8.8#	
279	33.1	18.6	27.8#	





#91
 Benzo(g,h,i)perylene
 Concen: 7.64 ng/ul
 RT: 26.81 min Scan# 4034
 Delta R.T. -0.00 min
 Lab File: BM012158.D
 Acq: 14 Oct 2017 05:39

Instrument :
 BNA_M
 ClientSampleId :
 B-59(FILL)-100317MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	16.4	8.5	12.7#
277	24.2	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 10/15/2017 12:44:48 PM

