

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102017\
 Data File : BM012341.D
 Acq On : 21 Oct 2017 04:13
 Operator : SJ/JU
 Sample : I5656-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CD6

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:53:40 PM

Quant Time: Oct 23 03:47:22 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 23 02:34:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	258903	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1170772	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	717353	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1598594	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1397742	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1098767	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	32855m	6.03	ng/uL	0.00
5) Phenol-d5	6.94	99	638429	30.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	431122	34.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	600925	33.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	593714	32.83	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	293967	32.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	359038	34.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	651889	32.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	751284	40.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	2331221	36.77	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	2787199	36.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	169249	17.76	ng/ul	0.00
57) Fluorene-d10	15.42	176	1940964	37.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	254736	23.22	ng/ul	0.00
70) Anthracene-d10	17.27	188	2909794	36.81	ng/ul	0.00
76) Pyrene-d10	19.57	212	3195172	45.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1991451	37.60	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.97	94	126716	5.835	ng/ul#	85
28) Naphthalene	10.62	128	315012	5.201	ng/ul	100
34) 2-Methylnaphthalene	12.24	142	92957	2.034	ng/ul	94
44) Dimethylphthalate	13.88	163	473968	7.462	ng/ul#	99
49) Acenaphthene	14.49	153	286517	5.644	ng/ul	98
53) Dibenzofuran	14.83	168	280131	3.832	ng/ul	97
58) Fluorene	15.48	166	415482	6.844	ng/ul	97
69) Phenanthrene	17.22	178	4313378	47.431	ng/ul	99
71) Anthracene	17.31	178	1081178	11.484	ng/ul	99
72) Carbazole	17.58	167	496916	6.237	ng/ul	99
74) Fluoranthene	19.24	202	5014489	45.692	ng/ul#	95
77) Pyrene	19.60	202	3644204	39.478	ng/ul#	94
80) Benzo(a)anthracene	21.34	228	1972593	21.689	ng/ul	98
82) Chrysene	21.39	228	1748673	20.479	ng/ul	98
85) Benzo(b)fluoranthene	22.96	252	1599116	22.302	ng/ul#	97
86) Benzo(k)fluoranthene	23.00	252	559864m	8.102	ng/ul	
88) Benzo(a)pyrene	23.55	252	1035372	15.320	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.99	276	626015	8.723	ng/ul	98
90) Dibenzo(a,h)anthracene	25.99	278	198039	3.283	ng/ul#	88
91) Benzo(g,h,i)perylene	26.72	276	430725	7.328	ng/ul#	93

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

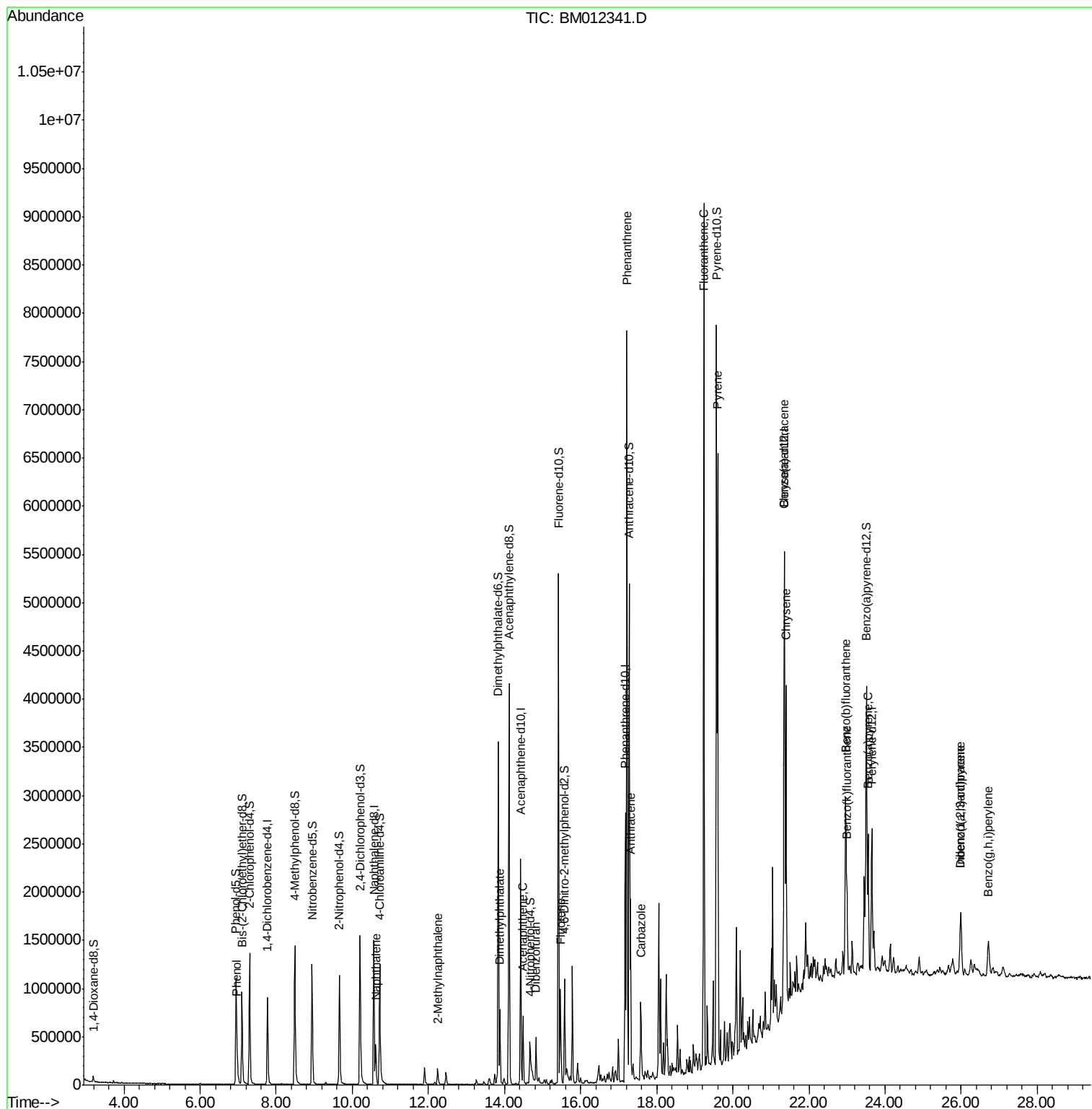
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102017\
Data File : BM012341.D
Acq On : 21 Oct 2017 04:13
Operator : SJ/JU
Sample : I5656-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

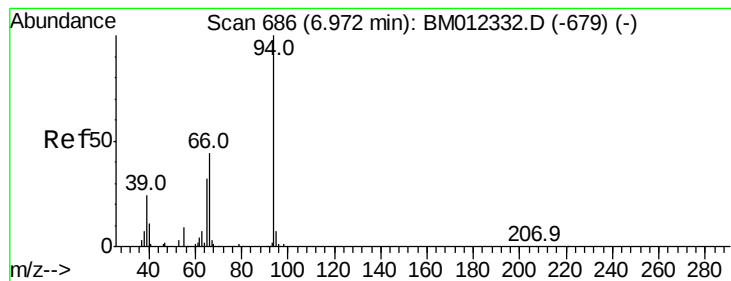
Instrument :
BNA_M
ClientSampleId :
B0CD6

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM

Quant Time: Oct 23 03:47:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 23 02:34:17 2017
Response via : Initial Calibration





#6

Phenol

Concen: 5.835 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampled :

B0CD6

Tot Ion: 94 Resp: 126716

Ion Ratio Lower Upper

94 100

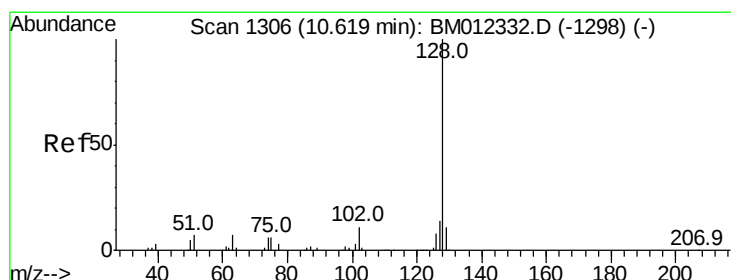
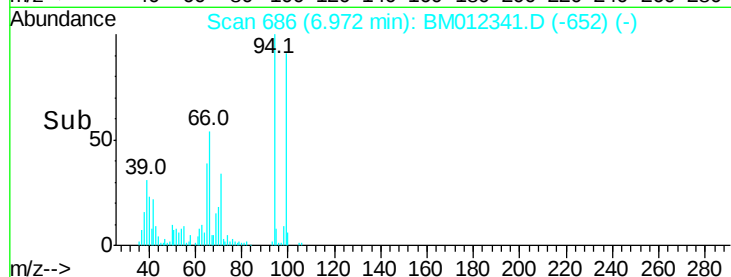
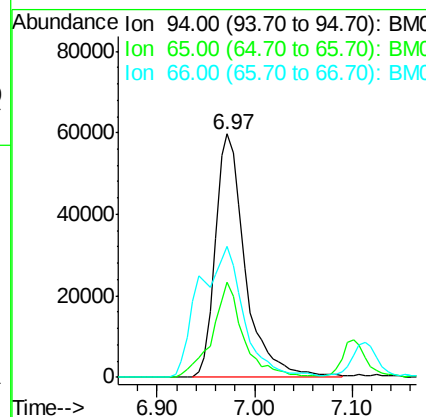
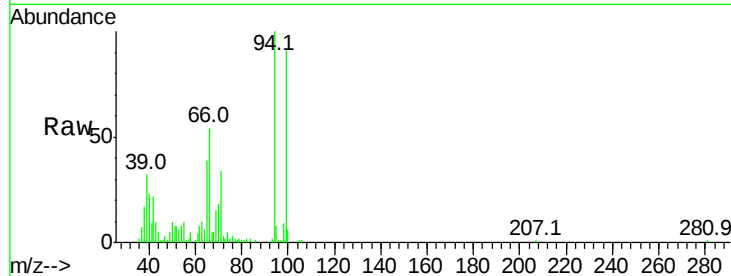
65 38.9 24.4 36.6#

66 53.6 35.0 52.4#

Manual Integrations
APPROVED

Sohil

10/23/2017 3:53:40 PM



#28

Naphthalene

Concen: 5.201 ng/ul

RT: 10.62 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

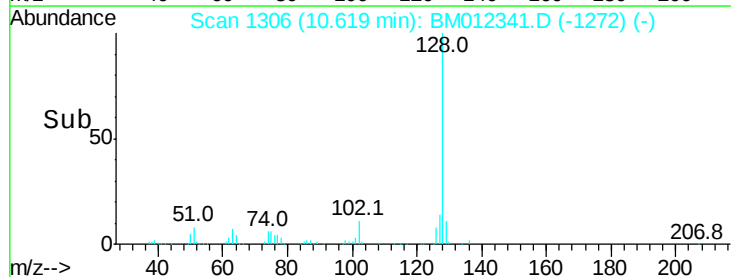
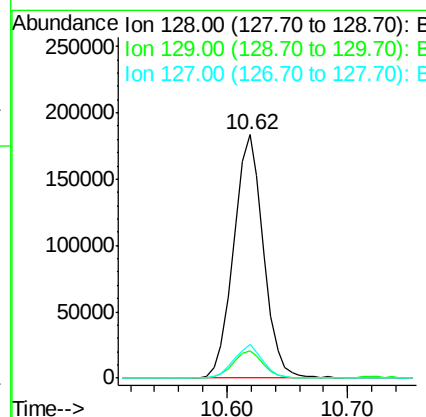
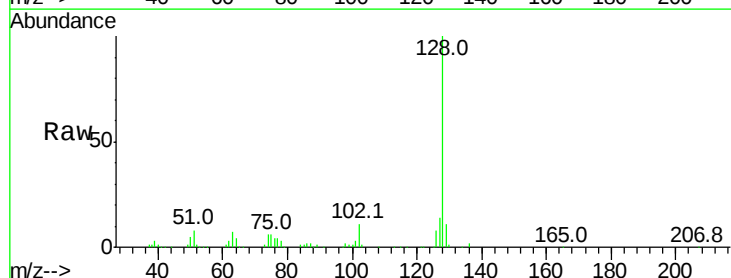
Tgt Ion: 128 Resp: 315012

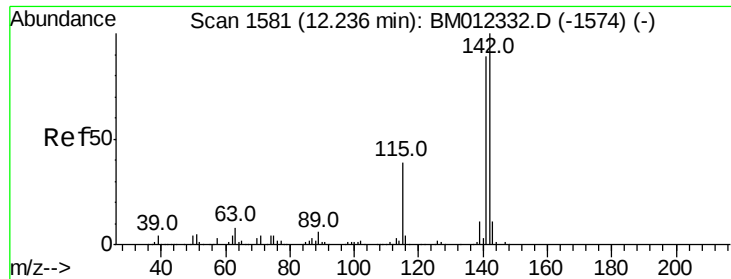
Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

127 14.1 11.4 17.0





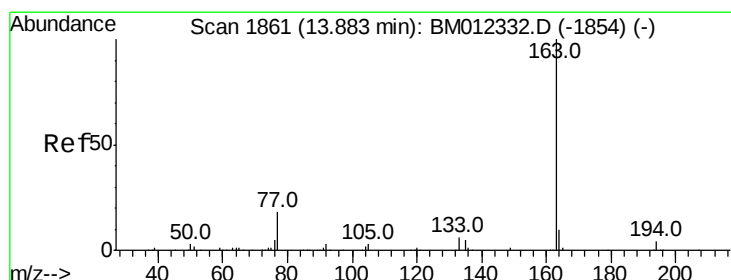
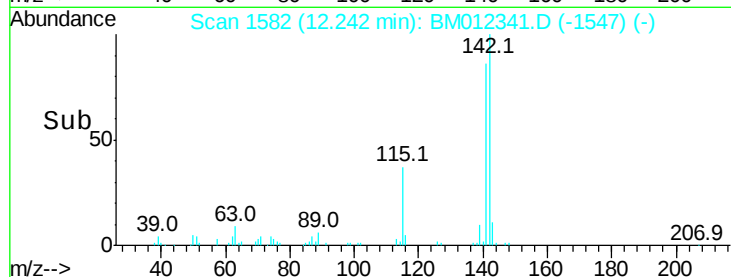
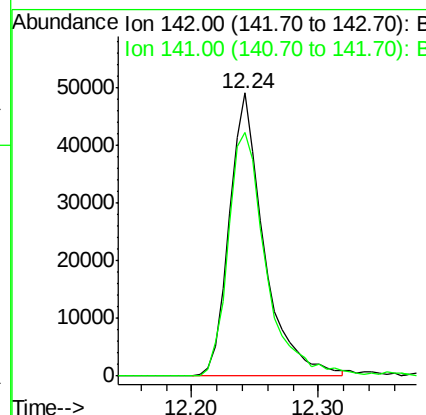
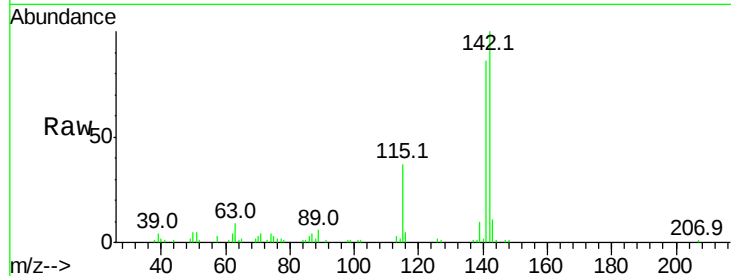
#34
 2-Methylnaphthalene
 Concen: 2.034 ng/ul
 RT: 12.24 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

Instrument :
 BNA_M
 ClientSampleId :
 B0CD6

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.1	73.6	110.4

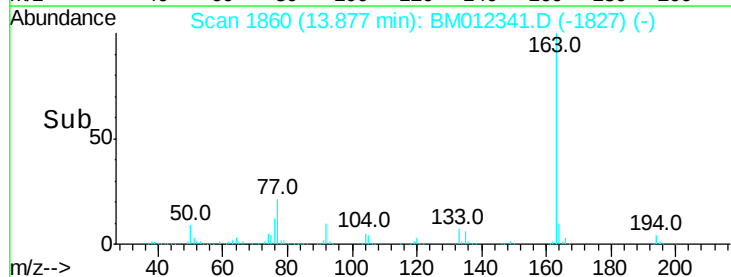
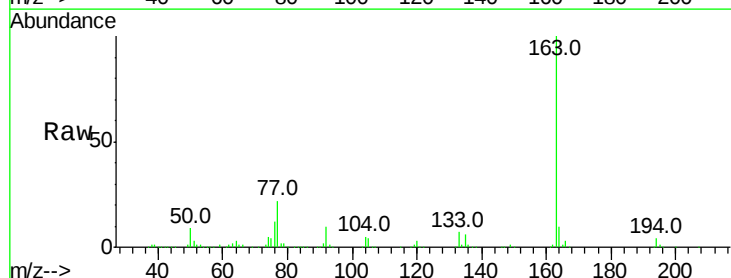
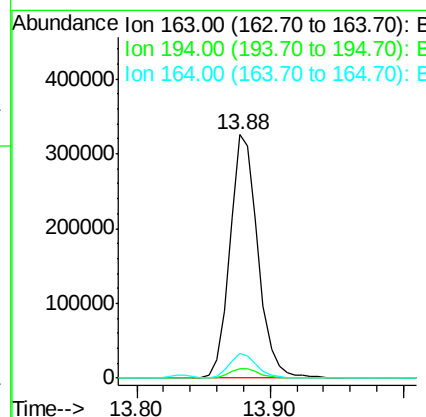
Manual Integrations
 APPROVED

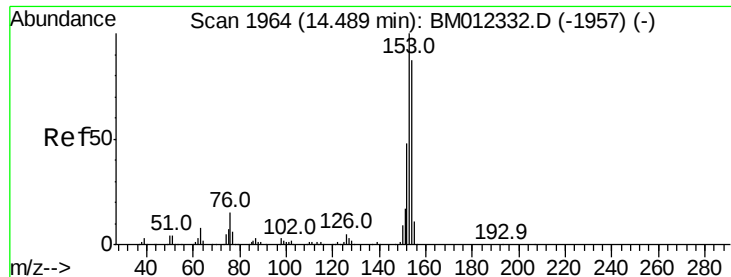
Sohil
 10/23/2017 3:53:40 PM



#44
 Dimethylphthalate
 Concen: 7.462 ng/ul
 RT: 13.88 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.7	5.5#
164	10.2	8.1	12.1





#49

Acenaphthene

Concen: 5.644 ng/ul

RT: 14.49 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

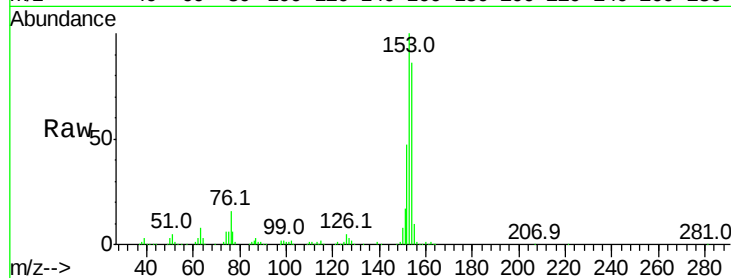
ClientSampled :

B0CD6

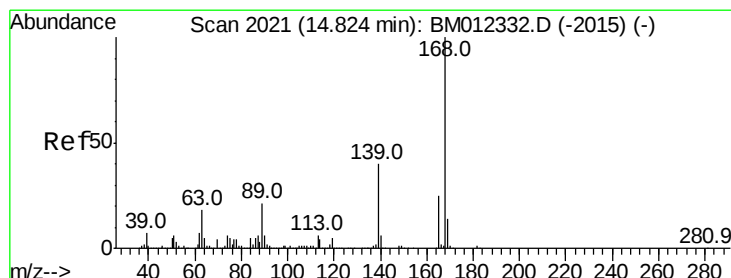
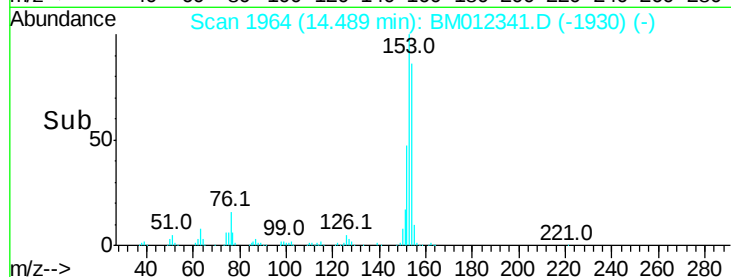
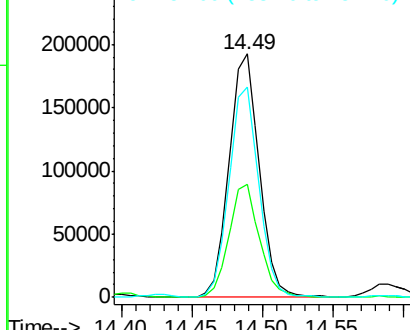
Tot Ion:	153	Resp:	286517
Ion Ratio	Lower	Upper	
153	100		
152	46.6	37.4	56.0
154	86.2	71.1	106.7

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.832 ng/ul

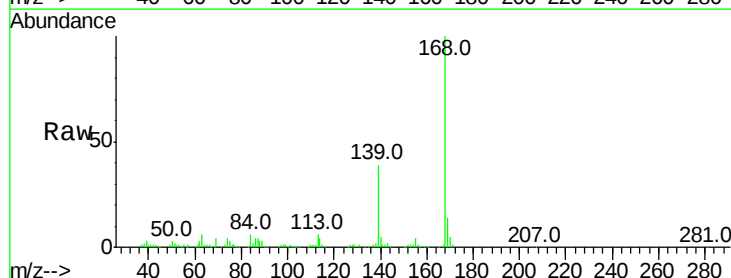
RT: 14.83 min Scan# 2022

Delta R.T. 0.01 min

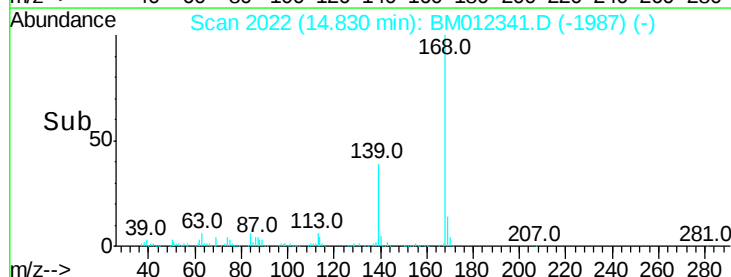
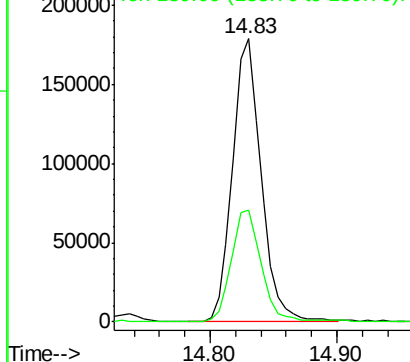
Lab File: BM012341.D

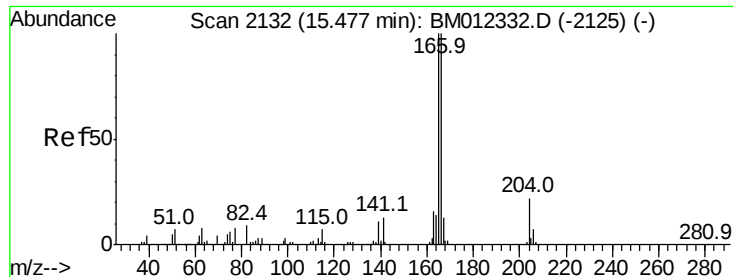
Acq: 21 Oct 2017 04:13

Tgt Ion:	168	Resp:	280131
Ion Ratio	Lower	Upper	
168	100		
139	39.3	30.2	45.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.844 ng/ul

RT: 15.48 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

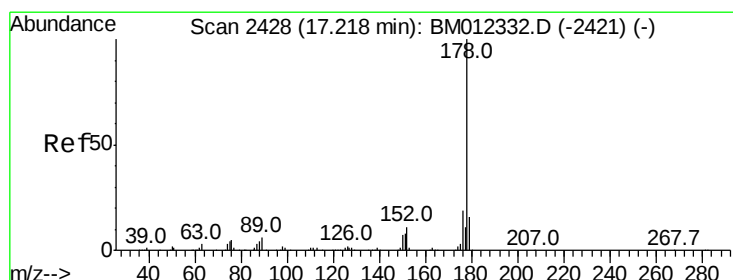
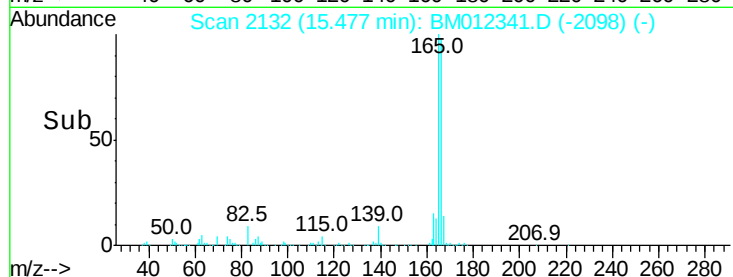
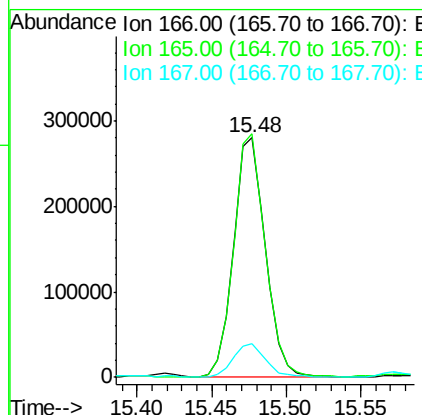
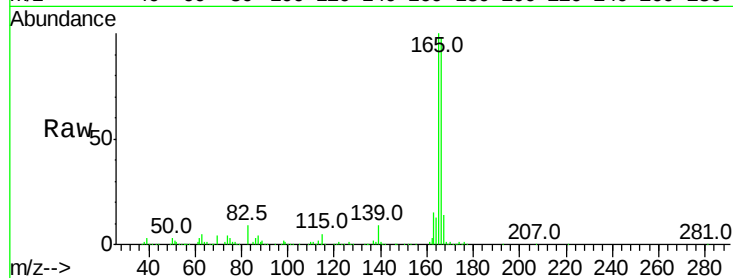
ClientSampleId :

B0CD6

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.0	118.6
167	14.1	10.8	16.2

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM



#69

Phenanthrene

Concen: 47.431 ng/ul

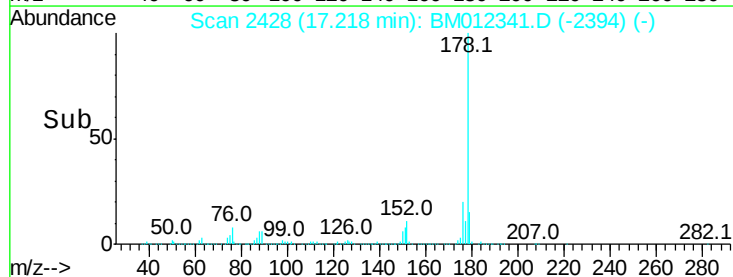
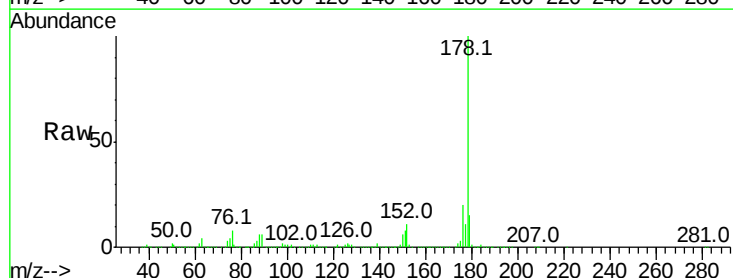
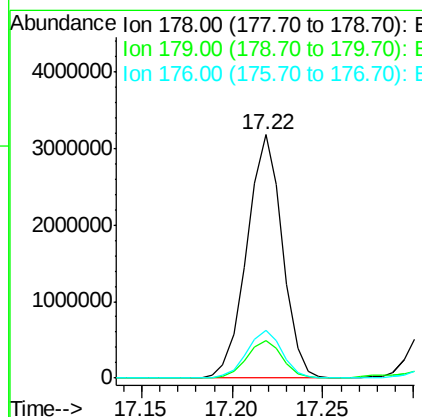
RT: 17.22 min Scan# 2428

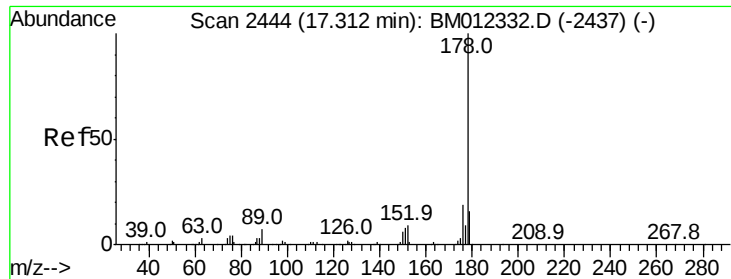
Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.6	15.0	22.6





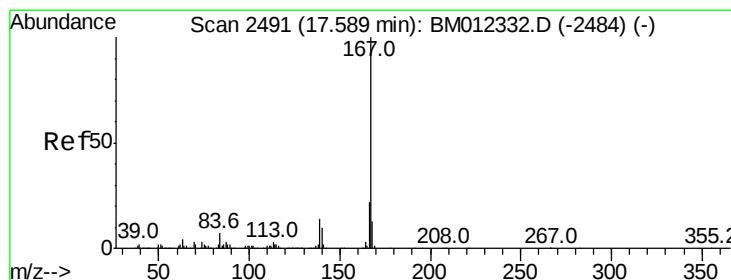
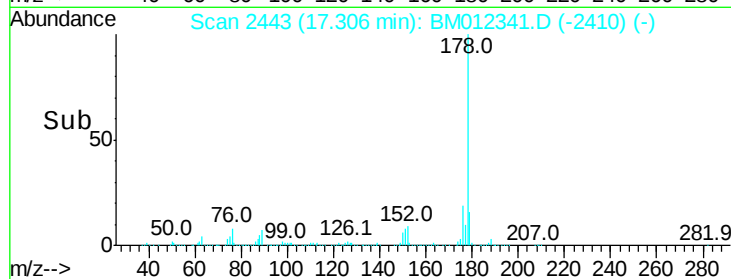
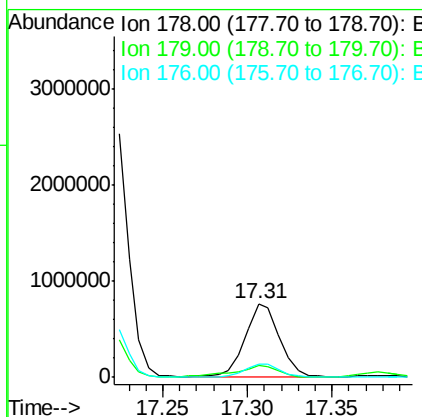
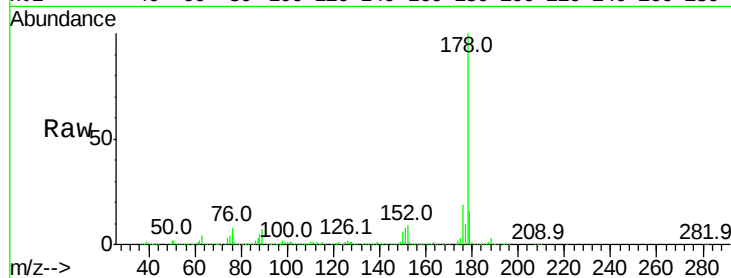
#71
 Anthracene
 Concen: 11.484 ng/ul
 RT: 17.31 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

Instrument :
 BNA_M
 ClientSampleId :
 B0CD6

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.7	14.7	22.1

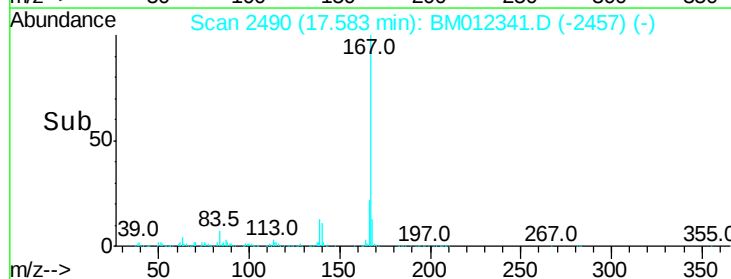
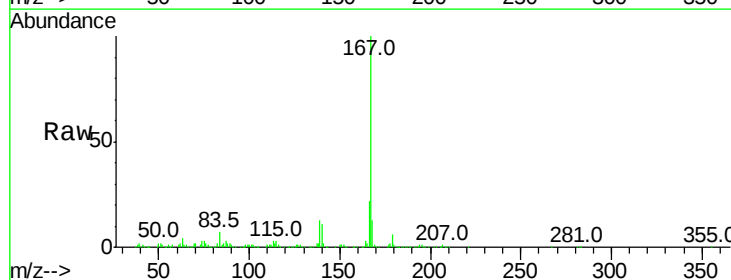
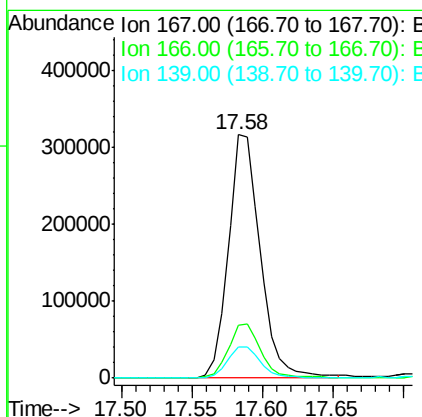
Manual Integrations
 APPROVED

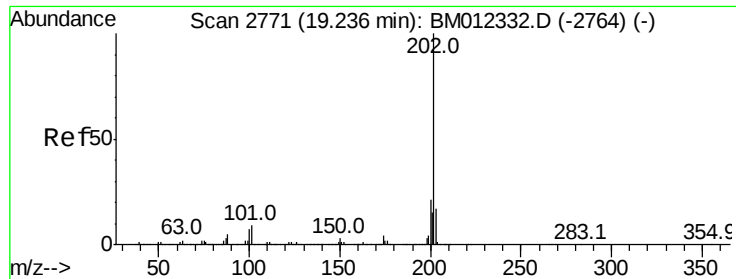
Sohil
 10/23/2017 3:53:40 PM



#72
 Carbazole
 Concen: 6.237 ng/ul
 RT: 17.58 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.0	10.6	15.8





#74

Fluoranthene

Concen: 45.692 ng/ul

RT: 19.24 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

Tot Ion:202 Resp: 5014489

Ion Ratio Lower Upper

202 100

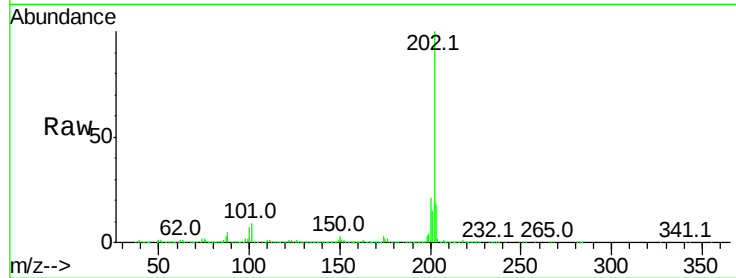
101 9.0 5.8 8.6#

100 7.2 4.3 6.5#

Manual Integrations
APPROVED

Sohil

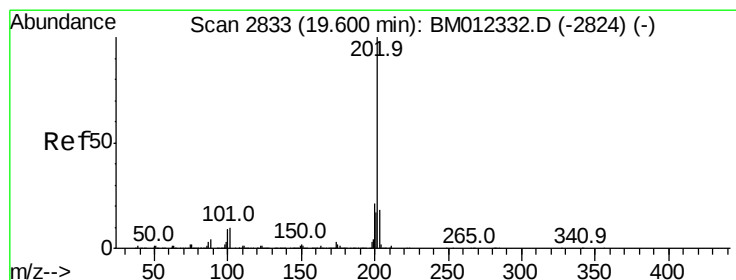
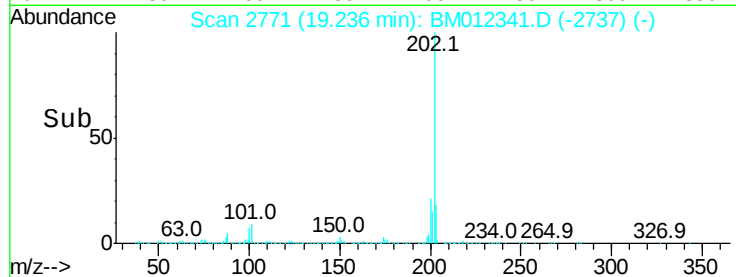
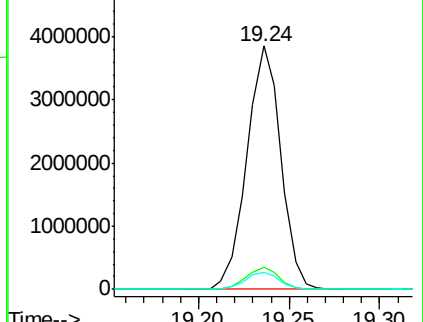
10/23/2017 3:53:40 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 39.478 ng/ul

RT: 19.60 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

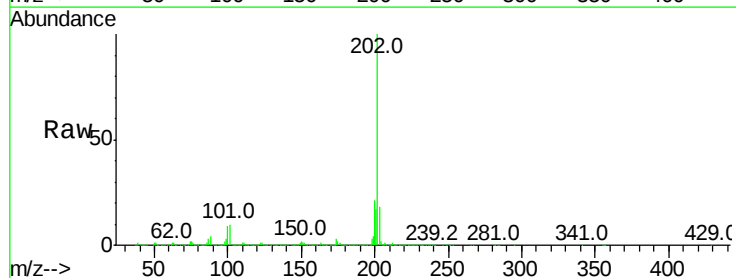
Tgt Ion:202 Resp: 3644204

Ion Ratio Lower Upper

202 100

101 10.1 6.5 9.7#

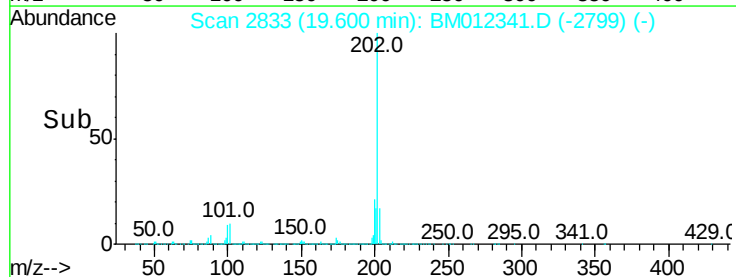
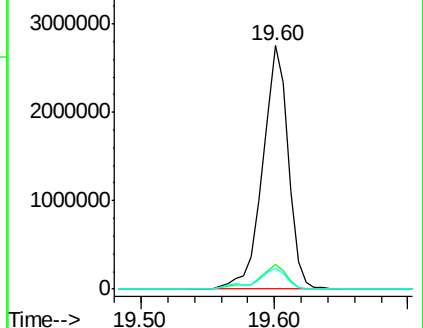
100 8.8 5.6 8.4#

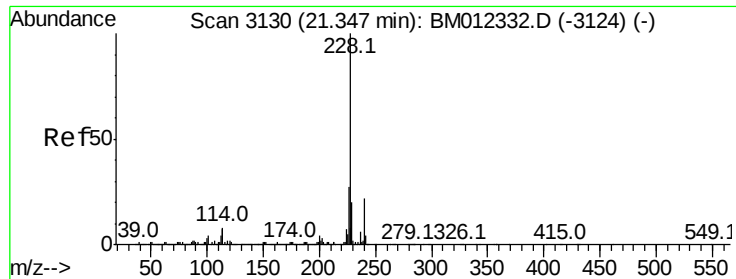


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 21.689 ng/ul

RT: 21.34 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BM012341.D

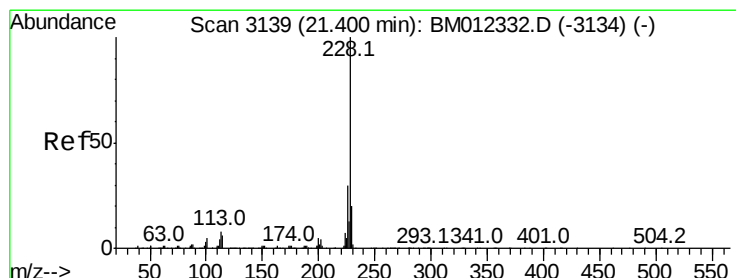
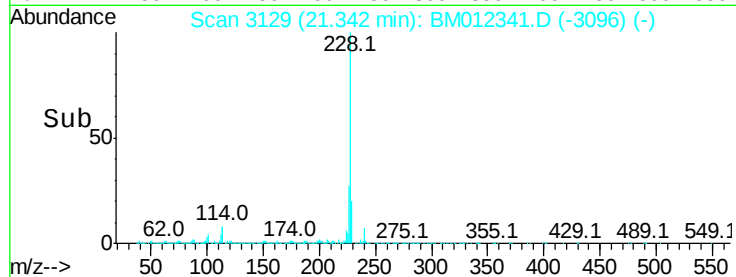
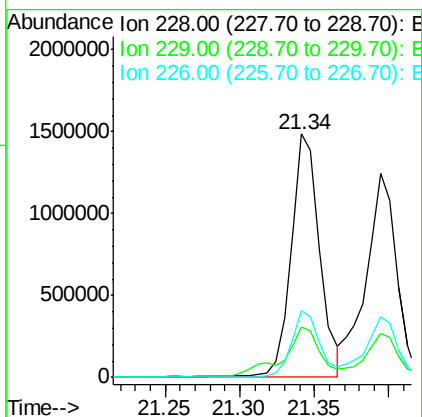
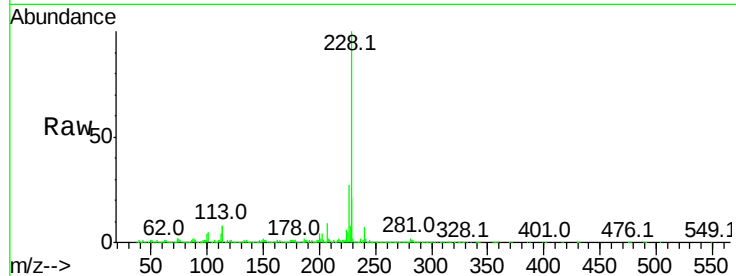
Acq: 21 Oct 2017 04:13

Instrument :
BNA_M
ClientSampleId :
B0CD6

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	27.5	21.4	32.2

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM



#82

Chrysene

Concen: 20.479 ng/ul

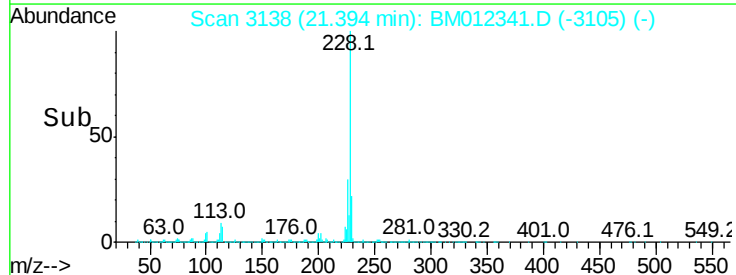
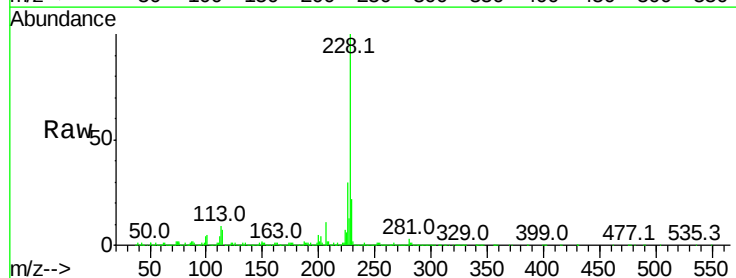
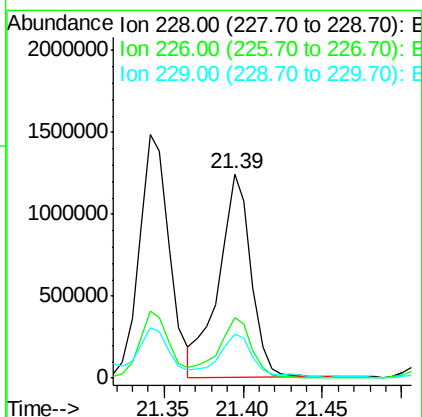
RT: 21.39 min Scan# 3138

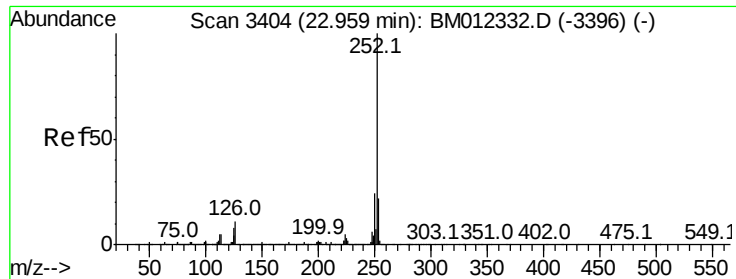
Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	21.8	15.5	23.3





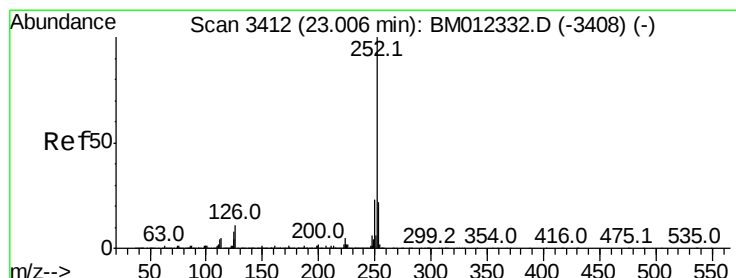
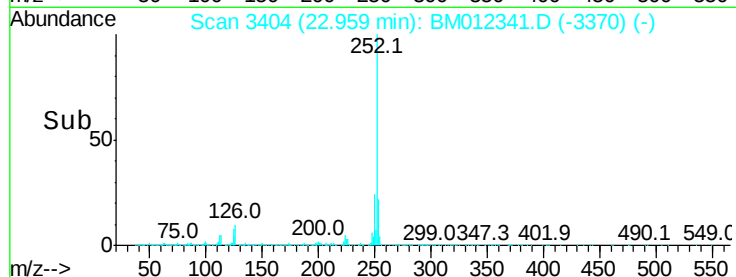
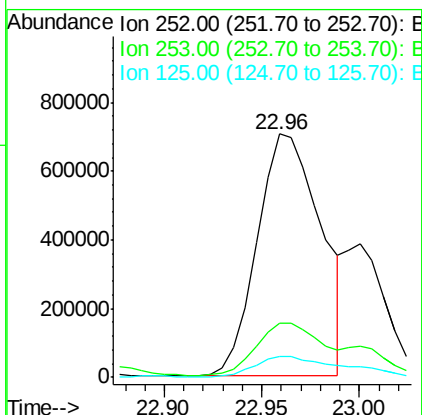
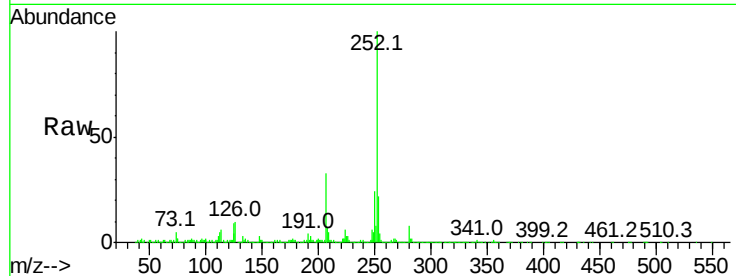
#85
Benzo(b)fluoranthene
Concen: 22.302 ng/ul
RT: 22.96 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BM012341.D
Acq: 21 Oct 2017 04:13

Instrument :
BNA_M
ClientSampled :
B0CD6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	8.6	5.1	7.7#

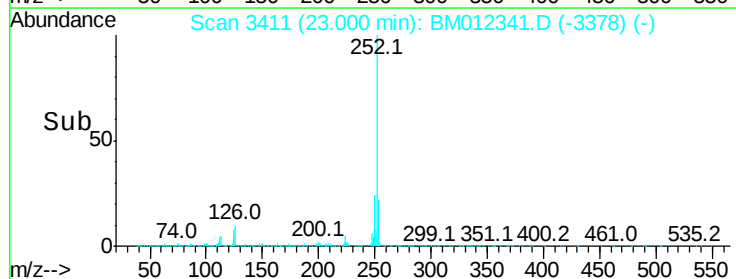
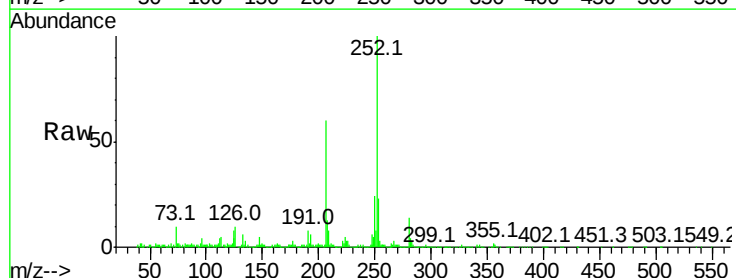
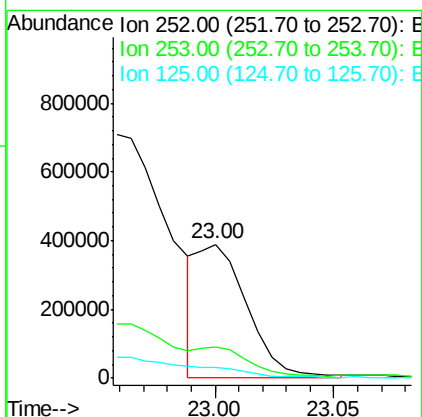
Manual Integrations
APPROVED

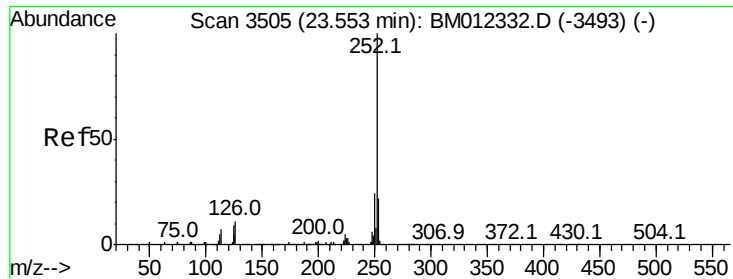
Sohil
10/23/2017 3:53:40 PM



#86
Benzo(k)fluoranthene
Concen: 8.102 ng/ul m
RT: 23.00 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM012341.D
Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	8.3	4.9	7.3#





#88

Benzo(a)pyrene

Concen: 15.320 ng/ul

RT: 23.55 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

Tot Ion:252 Resp: 1035372

Ion Ratio Lower Upper

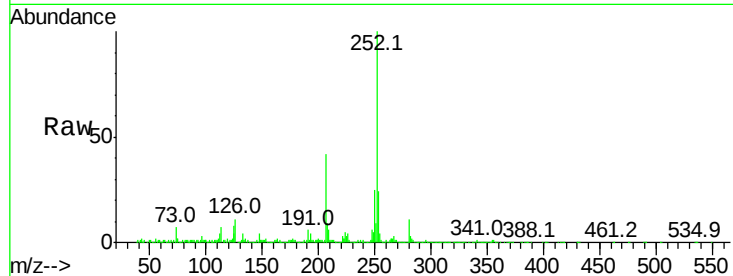
252 100

253 23.6 17.1 25.7

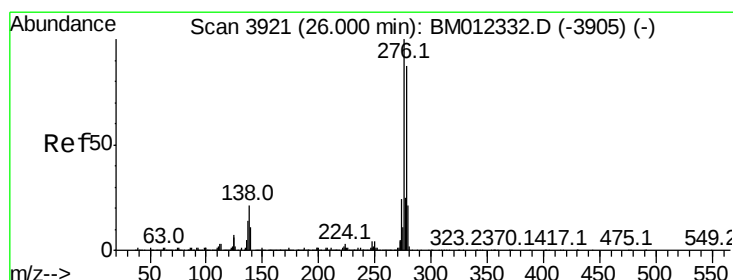
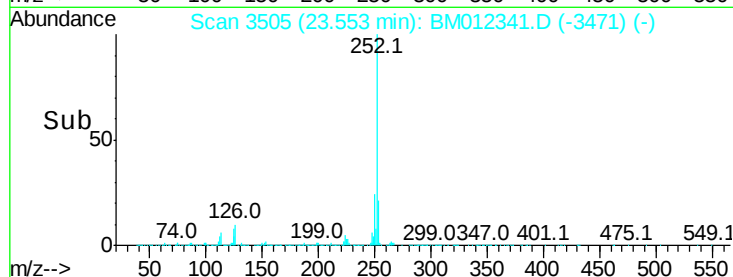
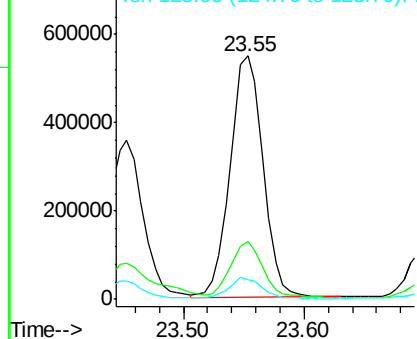
125 8.3 5.2 7.8#

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.723 ng/ul

RT: 25.99 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

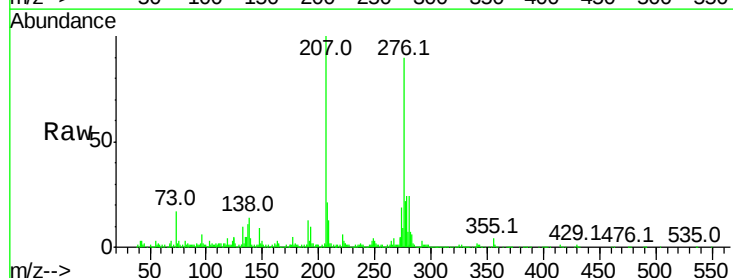
Tgt Ion:276 Resp: 626015

Ion Ratio Lower Upper

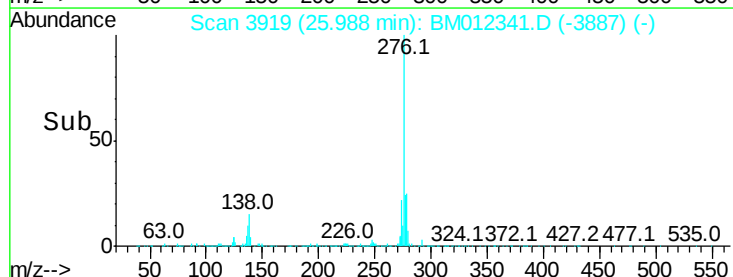
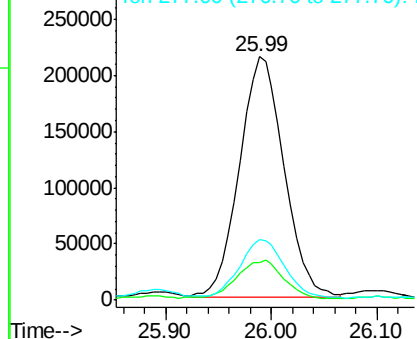
276 100

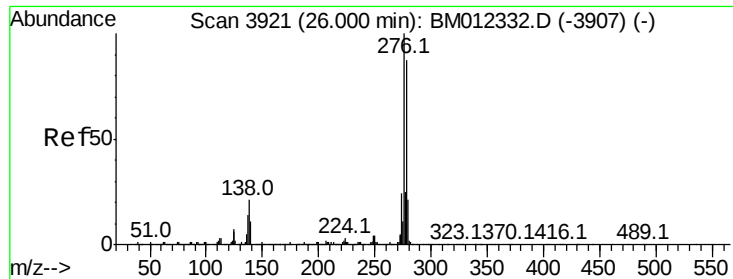
138 15.6 13.2 19.8

277 25.0 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





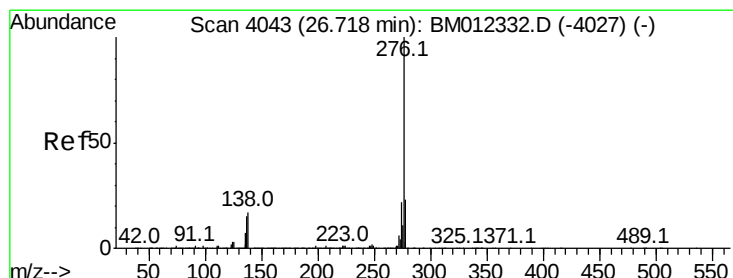
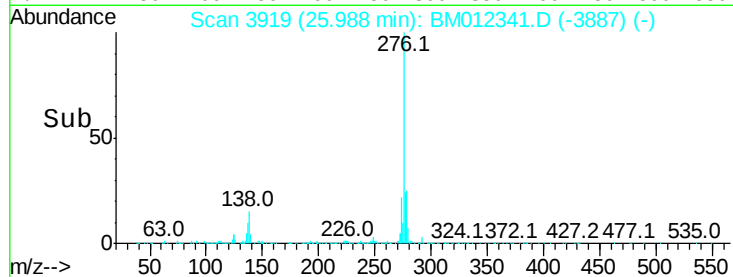
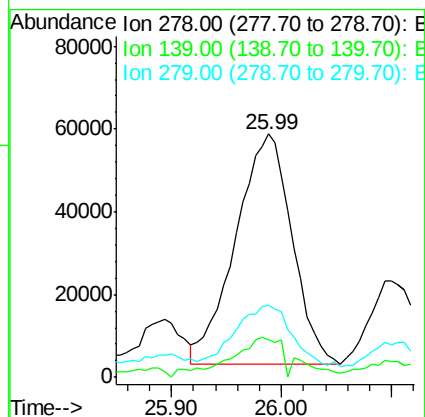
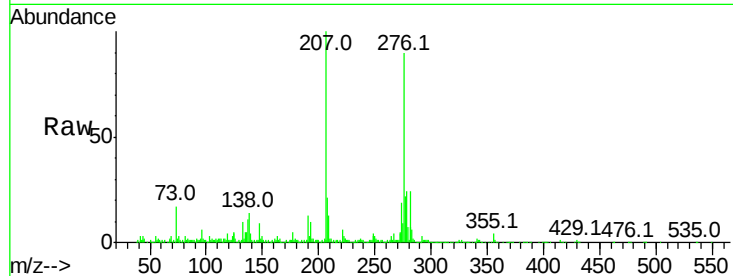
#90
Dibenzo(a,h)anthracene
Concen: 3.283 ng/ul
RT: 25.99 min Scan# 3919
Delta R.T. -0.01 min
Lab File: BM012341.D
Acq: 21 Oct 2017 04:13

Instrument :
BNA_M
ClientSampleId :
B0CD6

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.5	8.3	12.5#
279	29.5	19.3	28.9#

Manual Integrations
APPROVED

Sohil
10/23/2017 3:53:40 PM



#91
Benzo(g,h,i)perylene
Concen: 7.328 ng/ul
RT: 26.72 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BM012341.D
Acq: 21 Oct 2017 04:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	10.7	16.1#
277	25.9	19.0	28.4

