

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012482.D
 Acq On : 27 Oct 2017 12:31
 Operator : SJ/JU
 Sample : I5873-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-18(5-6)_101217

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:30:03 PM

Quant Time: Oct 28 01:02:06 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	364085	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1376758	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.50	164	777367	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1704131	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1933918	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	2157356	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	42455	5.96	ng/uL	0.00
5) Phenol-d5	7.04	99	783866	25.77	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.20	67	506707	28.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.41	132	643383	28.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	592964	22.81	ng/ul	-0.01
19) Nitrobenzene-d5	9.03	128	310031	35.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	343652	38.68	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.29	165	665463	28.28	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.80	131	561791	22.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.91	166	1940774	28.58	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	2445513	30.44	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.70	143	165713	16.42	ng/ul	-0.01
57) Fluorene-d10	15.49	176	1691975	29.44	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.61	200	147321	17.86	ng/ul	-0.01
70) Anthracene-d10	17.34	188	2569387	31.64	ng/ul	-0.01
76) Pyrene-d10	19.63	212	2888340	32.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	3253076	31.74	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.07	94	139381	4.401	ng/ul#	82
47) Acenaphthylene	14.22	152	216384	2.822	ng/ul	99
69) Phenanthrene	17.29	178	2382394	25.852	ng/ul	99
71) Anthracene	17.37	178	666918	7.002	ng/ul	99
72) Carbazole	17.64	167	154136	1.954	ng/ul	98
74) Fluoranthene	19.30	202	5291577	50.674	ng/ul#	93
77) Pyrene	19.66	202	4812589	43.760	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	3022236	26.097	ng/ul	97
82) Chrysene	21.45	228	2621704	25.462	ng/ul	96
85) Benzo(b)fluoranthene	23.03	252	3891296	29.179	ng/ul#	95
86) Benzo(k)fluoranthene	23.07	252	1296486m	10.329	ng/ul	
88) Benzo(a)pyrene	23.62	252	3001952	23.609	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.06	276	1977837	13.217	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.06	278	512025	4.036	ng/ul#	85
91) Benzo(g,h,i)perylene	26.77	276	1537446	12.677	ng/ul#	94

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

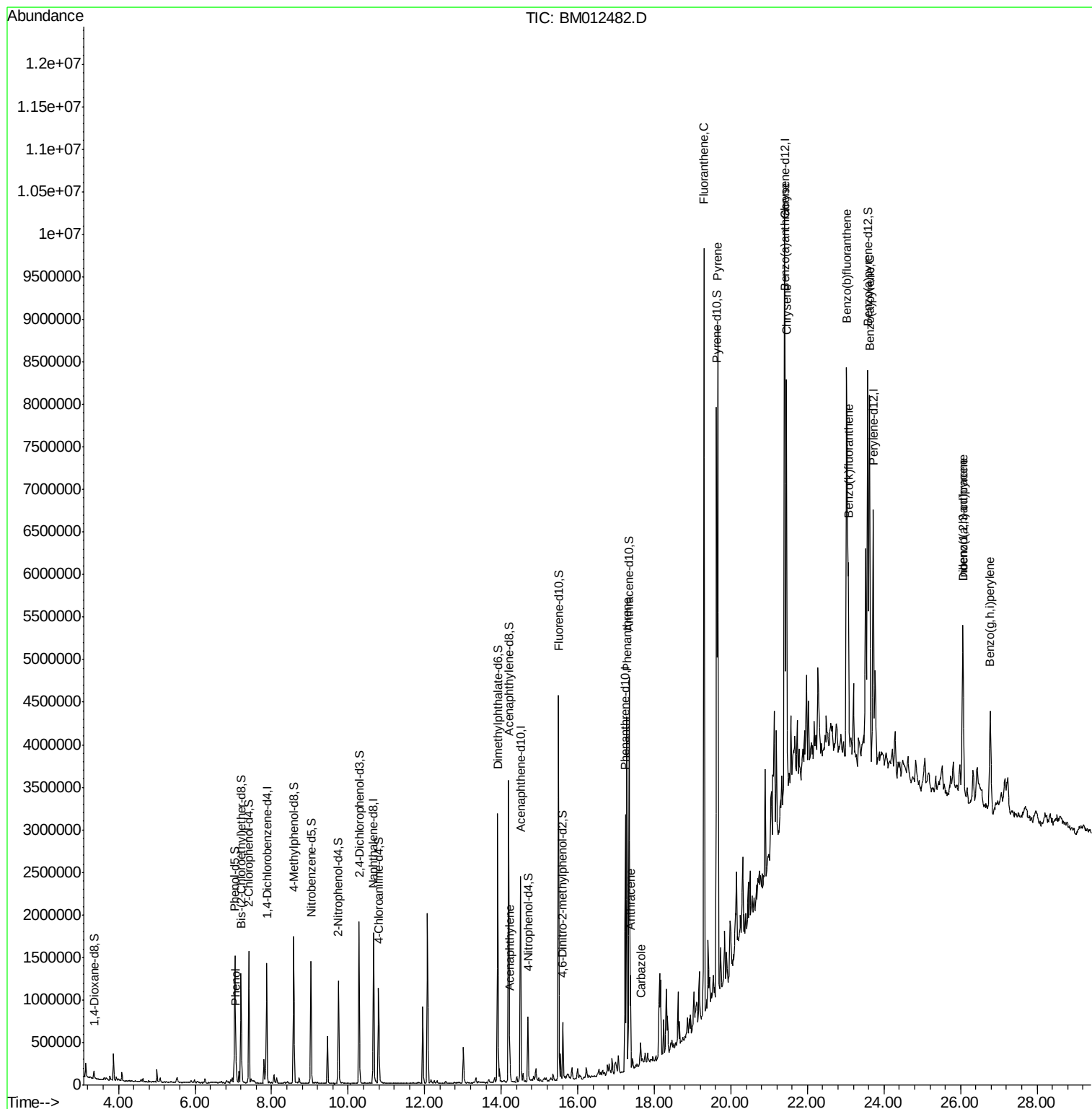
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012482.D
Acq On : 27 Oct 2017 12:31
Operator : SJ/JU
Sample : I5873-07
Misc :
ALS Vial : 7 Sample Multiplier: 1

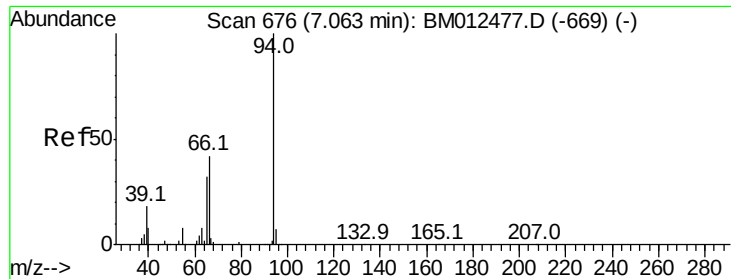
Instrument :
BNA_M
ClientSampleId :
B-18(5-6)_101217

Quant Time: Oct 28 01:02:06 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
10/30/2017 6:30:03 PM





#6

Phenol

Concen: 4.401 ng/ul

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Instrument :

BNA_M

ClientSampleId :

B-18(5-6)_101217

Tot Ion: 94 Resp: 139381

Ion Ratio Lower Upper

94 100

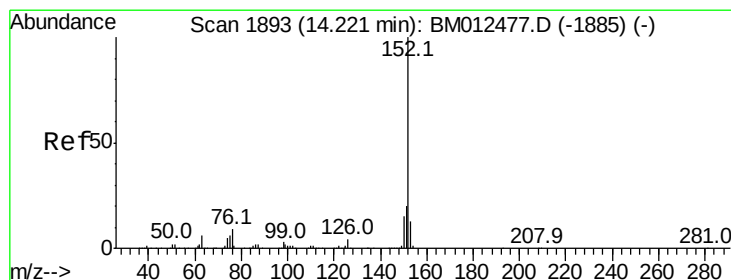
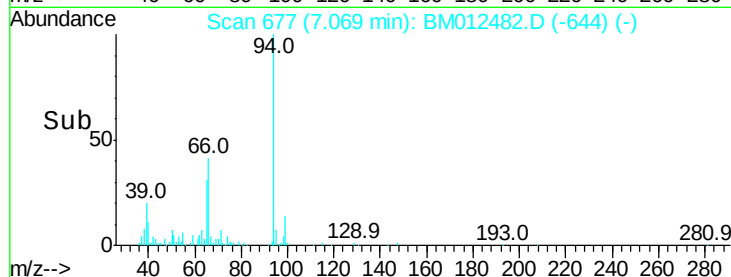
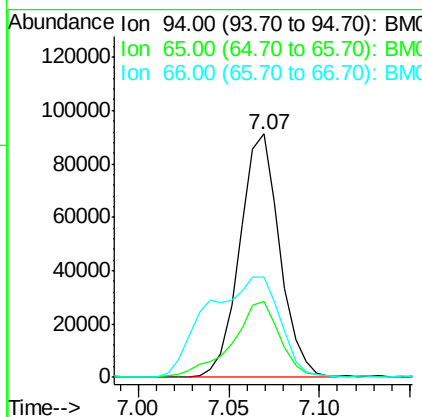
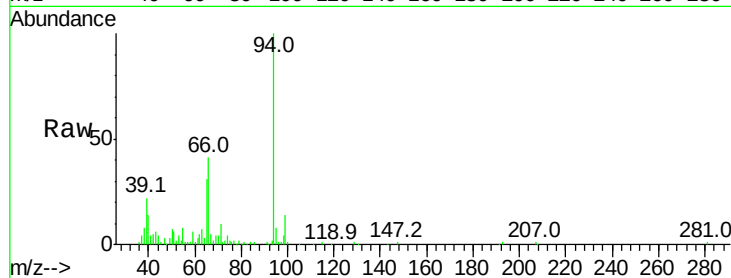
65 31.3 28.2 42.4

66 41.1 47.2 70.8#

Manual Integrations
APPROVED

Sohil

10/30/2017 6:30:03 PM



#47

Acenaphthylene

Concen: 2.822 ng/ul

RT: 14.22 min Scan# 1893

Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

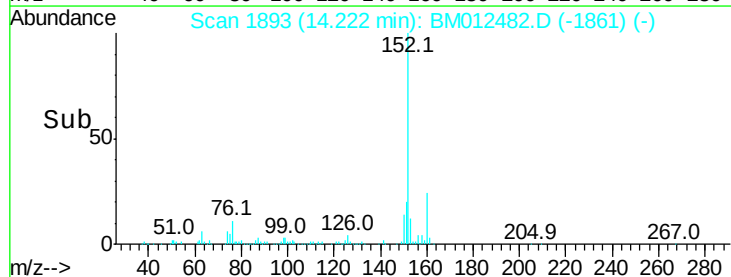
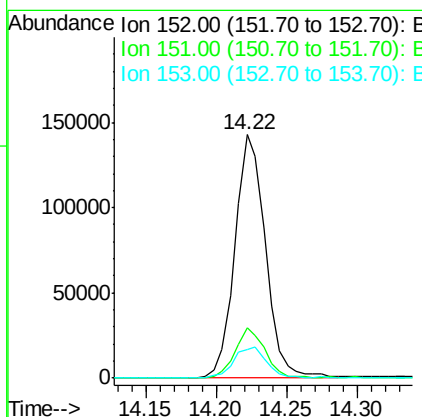
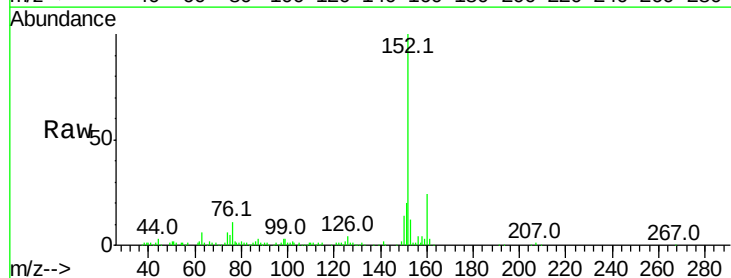
Tgt Ion: 152 Resp: 216384

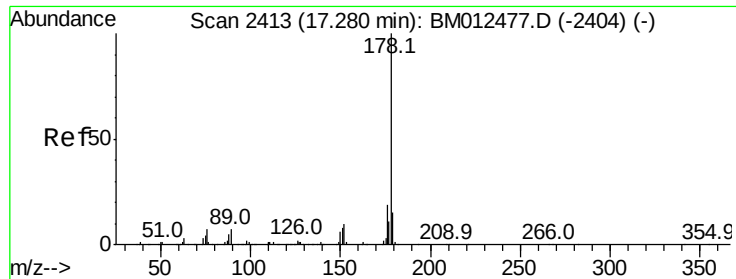
Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 11.5 10.2 15.4





#69

Phenanthrene

Concen: 25.852 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Instrument :

BNA_M

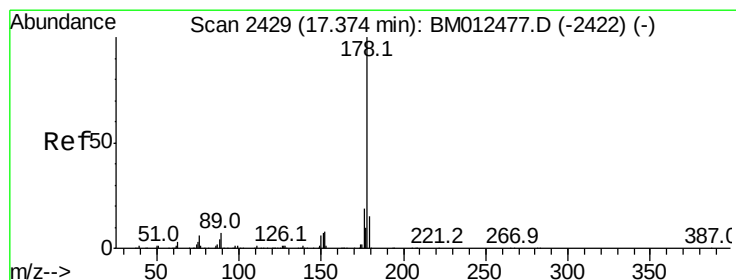
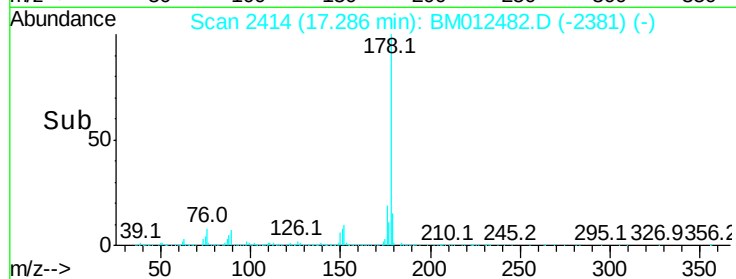
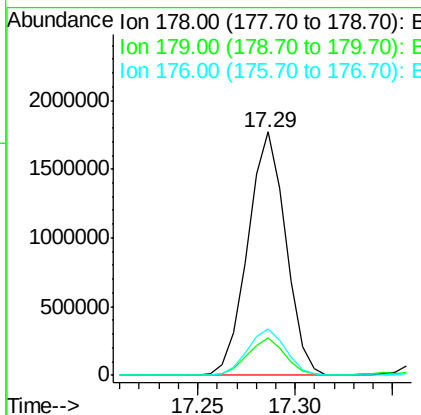
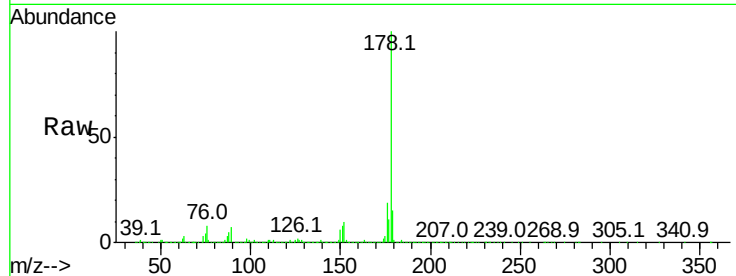
ClientSampleId :

B-18(5-6)_101217

Tot Ion:	178	Resp:	2382394
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.0	14.9	22.3

Manual Integrations
APPROVED

Sohil
10/30/2017 6:30:03 PM



#71

Anthracene

Concen: 7.002 ng/ul

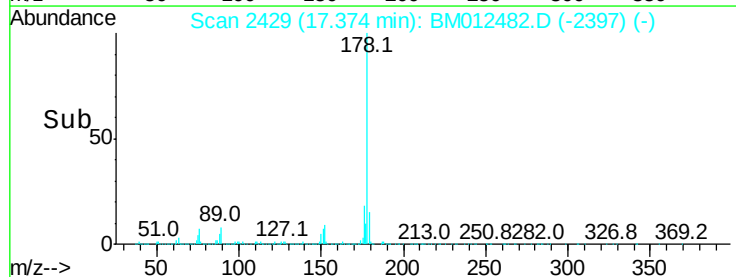
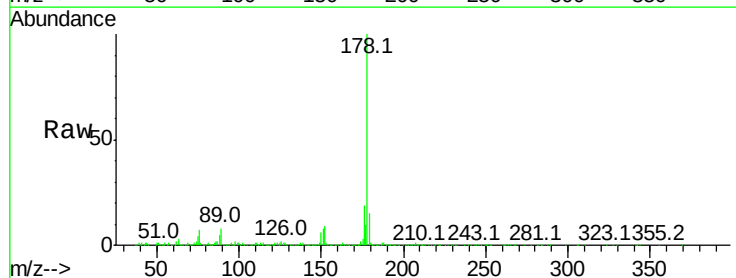
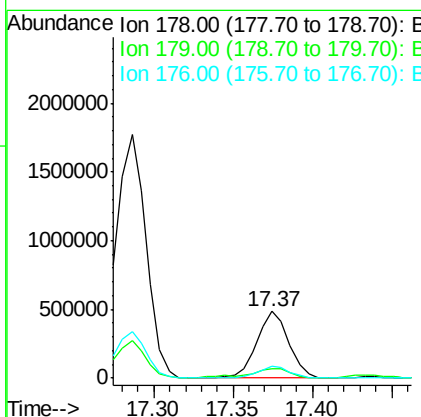
RT: 17.37 min Scan# 2429

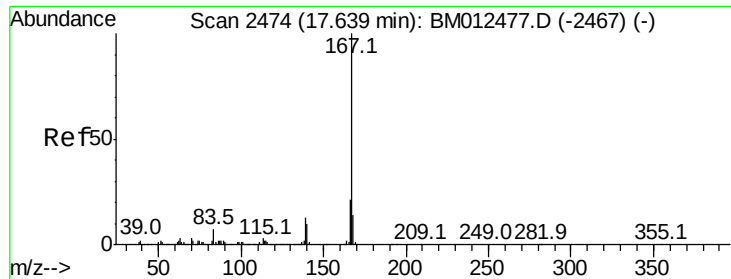
Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Tgt Ion:	178	Resp:	666918
Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	18.5	14.6	21.8





#72

Carbazole

Concen: 1.954 ng/ul

RT: 17.64 min Scan# 2475

Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Instrument :

BNA_M

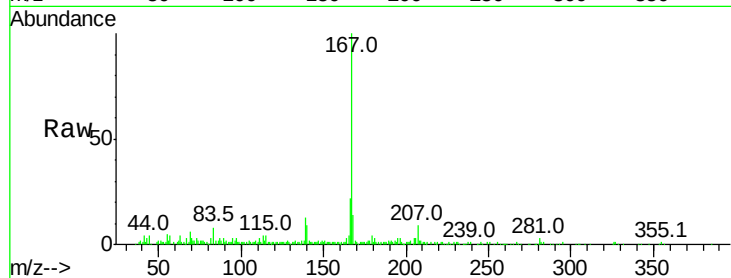
ClientSampleId :

B-18(5-6)_101217

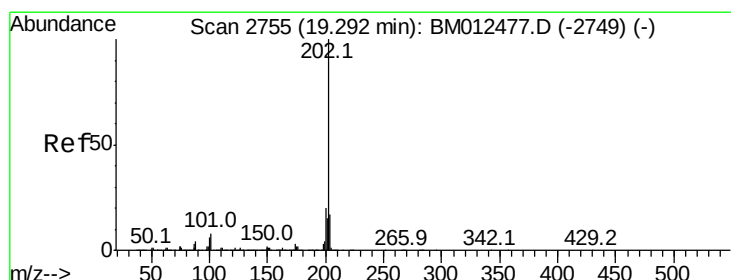
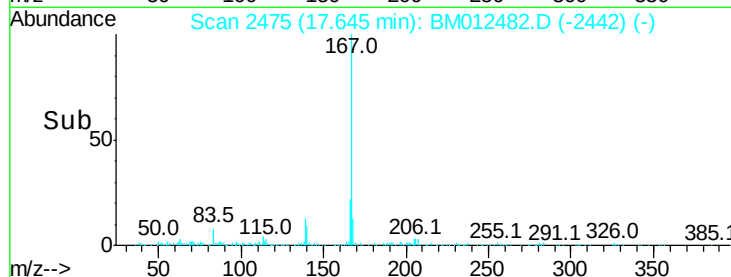
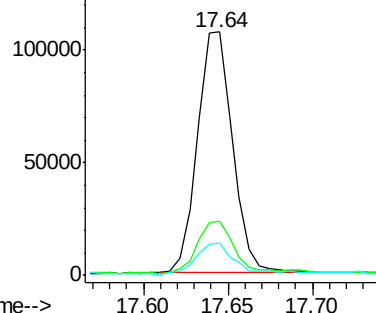
Tot Ion:	167	Resp:	154136
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.1	25.7
139	13.4	10.0	15.0

Manual Integrations
APPROVED

Sohil
10/30/2017 6:30:03 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 50.674 ng/ul

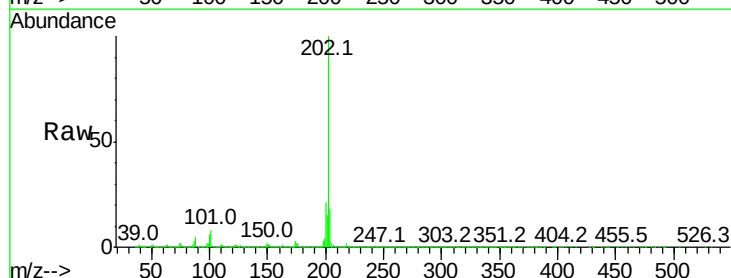
RT: 19.30 min Scan# 2756

Delta R.T. -0.01 min

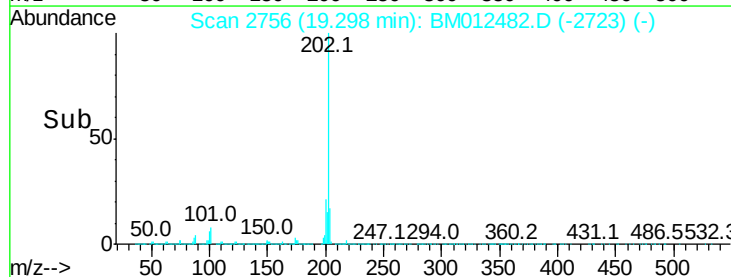
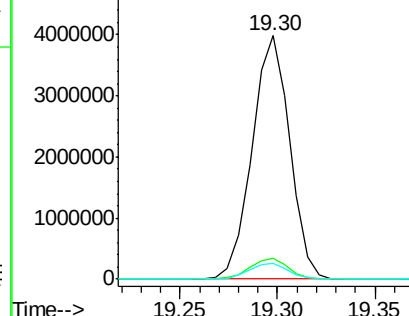
Lab File: BM012482.D

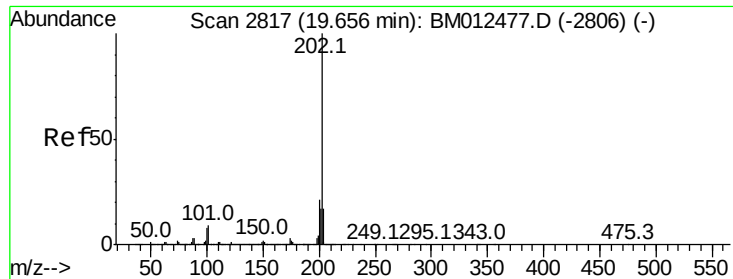
Acq: 27 Oct 2017 12:31

Tgt Ion:	202	Resp:	5291577
Ion Ratio	Lower	Upper	
202	100		
101	8.4	4.6	7.0#
100	6.4	3.4	5.2#



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

Pvrene

Concen: 43.760 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Instrument :

BNA_M

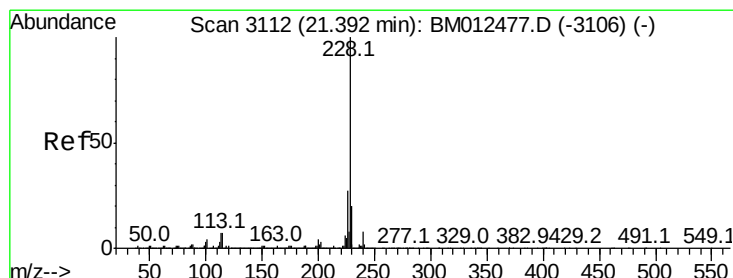
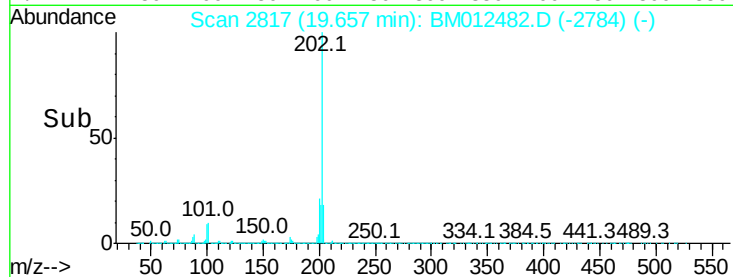
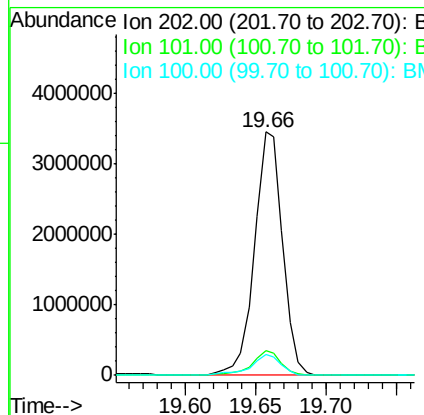
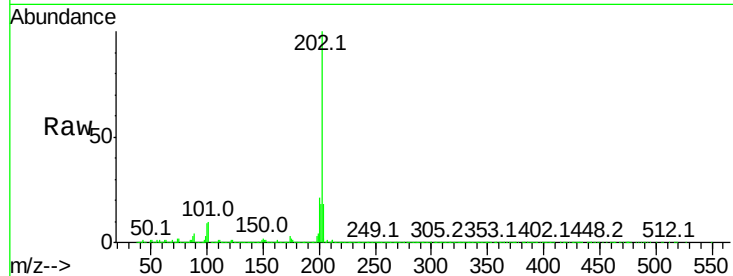
ClientSampleId :

B-18(5-6)_101217

Tot Ion:	202	Resp:	4812589
Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	8.6	4.9	7.3#

Manual Integrations
APPROVED

Sohil
10/30/2017 6:30:03 PM



#80

Benzo(a)anthracene

Concen: 26.097 ng/ul

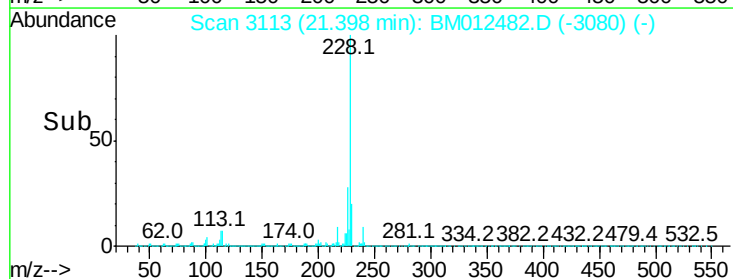
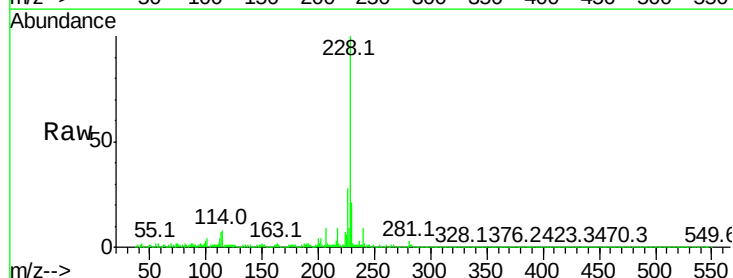
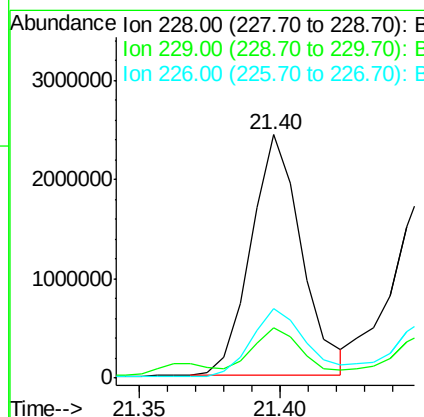
RT: 21.40 min Scan# 3113

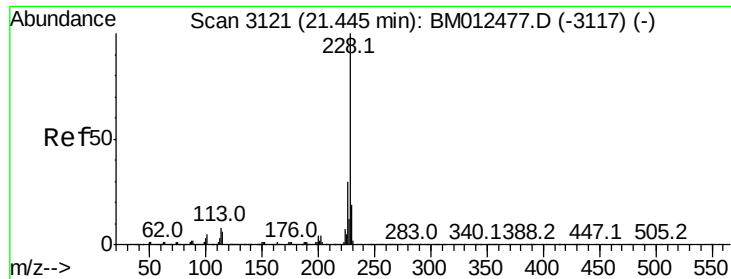
Delta R.T. -0.01 min

Lab File: BM012482.D

Acq: 27 Oct 2017 12:31

Tgt Ion:	228	Resp:	3022236
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	28.3	21.4	32.0





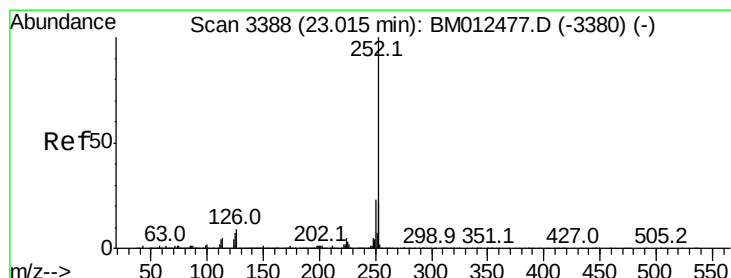
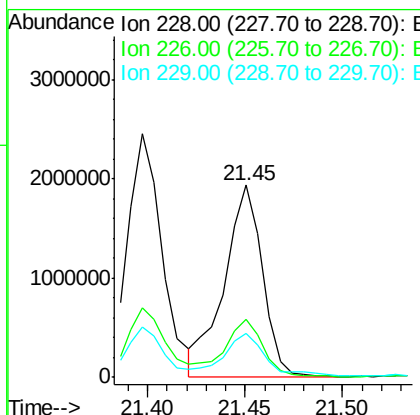
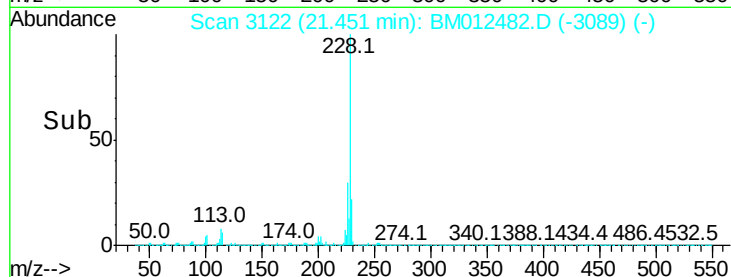
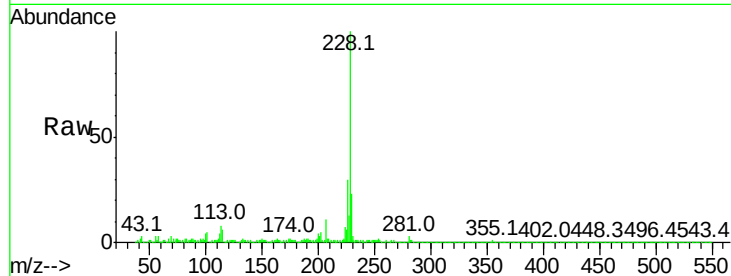
#82
Chrysene
Concen: 25.462 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BM012482.D
Acq: 27 Oct 2017 12:31

Instrument :
BNA_M
ClientSampleId :
B-18(5-6)_101217

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.8	15.5	23.3

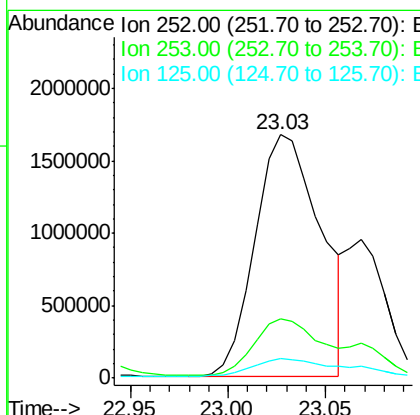
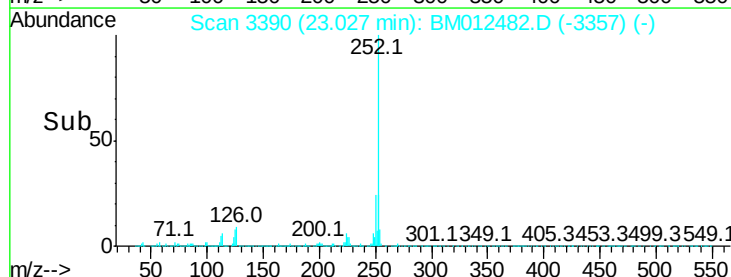
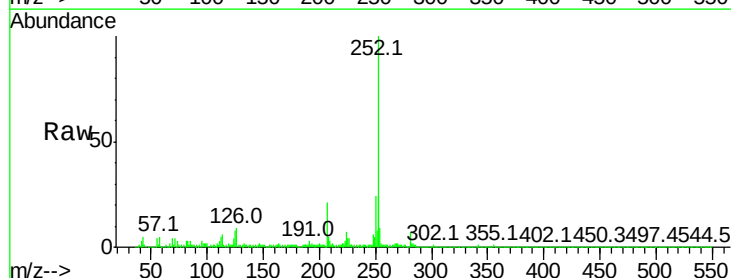
Manual Integrations
APPROVED

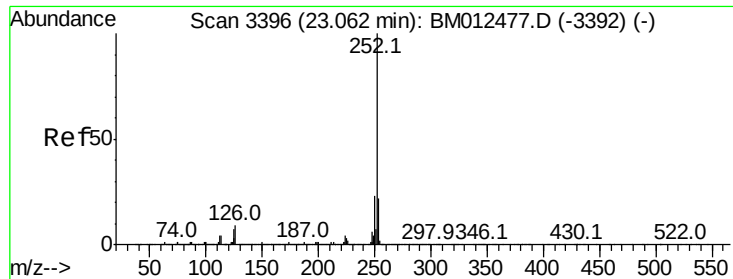
Sohil
10/30/2017 6:30:03 PM



#85
Benzo(b)fluoranthene
Concen: 29.179 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.01 min
Lab File: BM012482.D
Acq: 27 Oct 2017 12:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	8.2	3.6	5.4





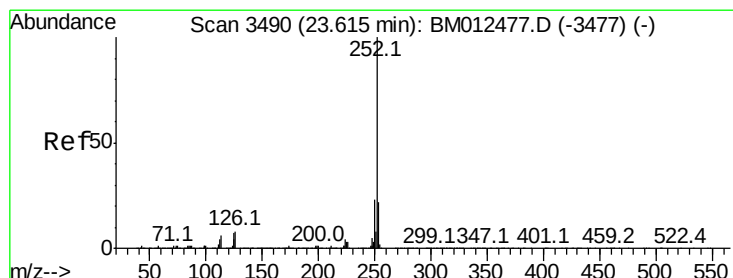
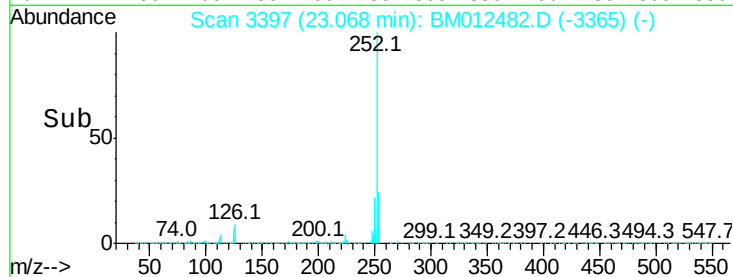
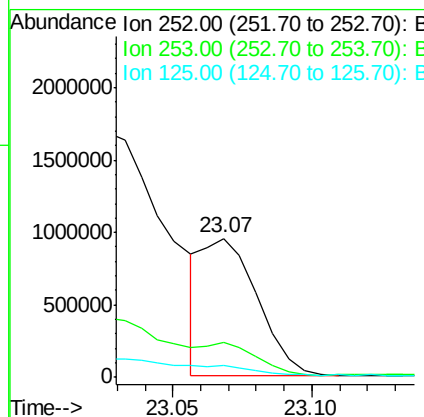
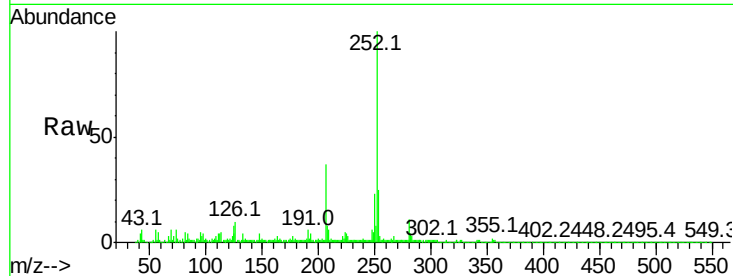
#86
Benzo(k)fluoranthene
Concen: 10.329 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM012482.D
Acq: 27 Oct 2017 12:31

Instrument :
BNA_M
ClientSampleId :
B-18(5-6)_101217

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	8.2	3.4	5.2#

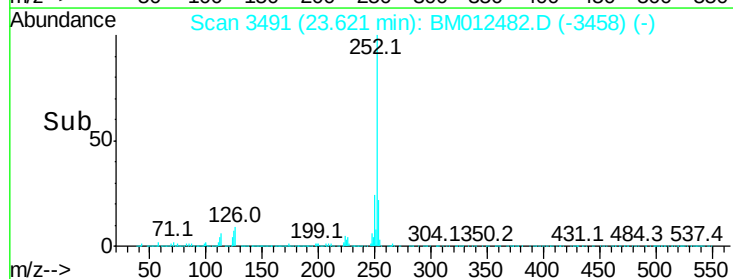
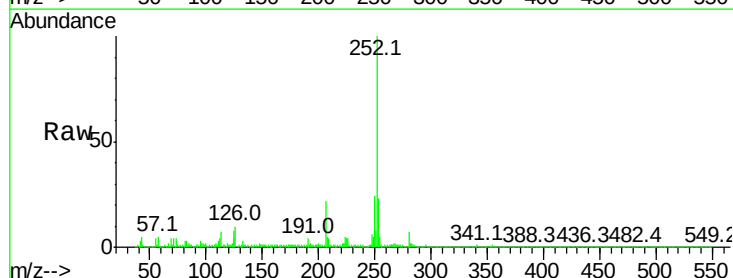
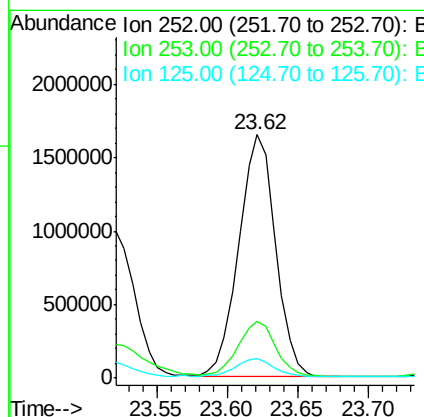
Manual Integrations
APPROVED

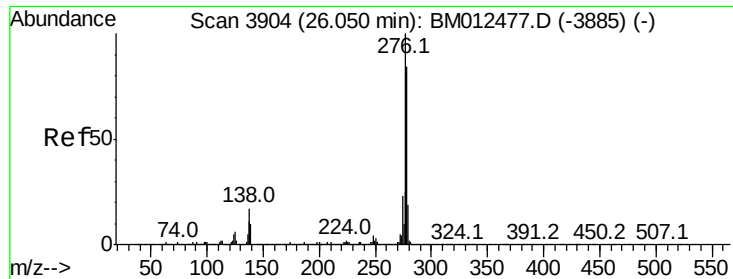
Sohil
10/30/2017 6:30:03 PM



#88
Benzo(a)pyrene
Concen: 23.609 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM012482.D
Acq: 27 Oct 2017 12:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	8.2	4.0	6.0#





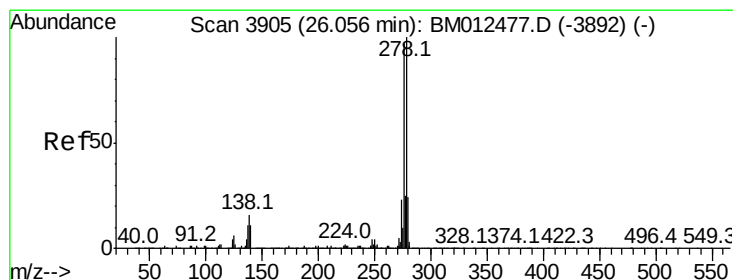
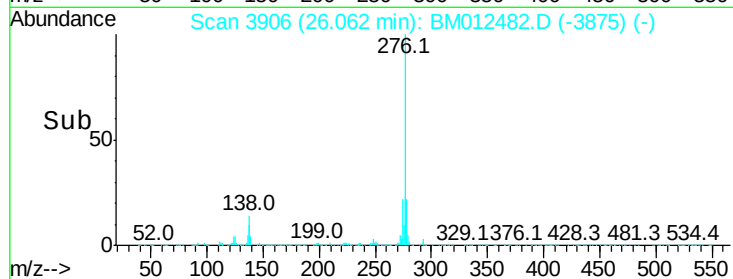
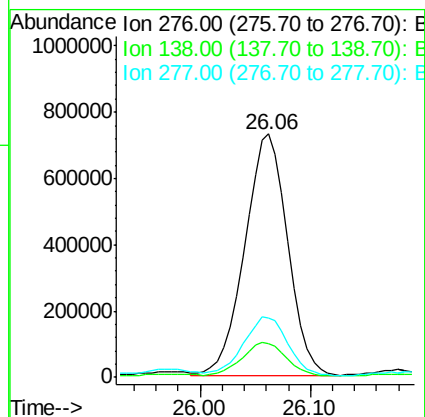
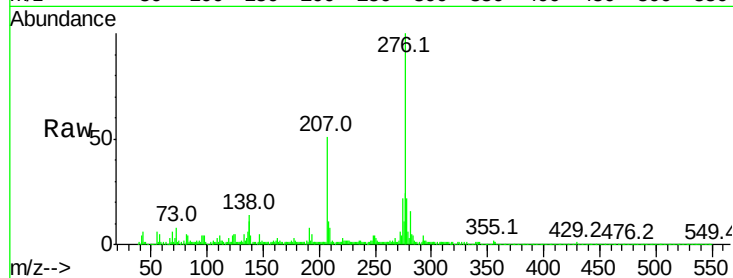
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 13.217 ng/ul
 RT: 26.06 min Scan# 3906
 Delta R.T. -0.02 min
 Lab File: BM012482.D
 Acq: 27 Oct 2017 12:31

Instrument :
 BNA_M
 ClientSampleId :
 B-18(5-6)_101217

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9#
277	24.4	19.9	29.9

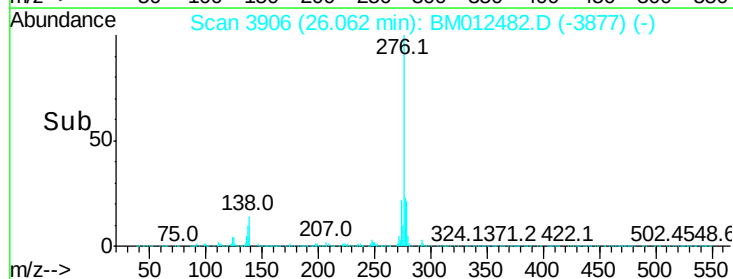
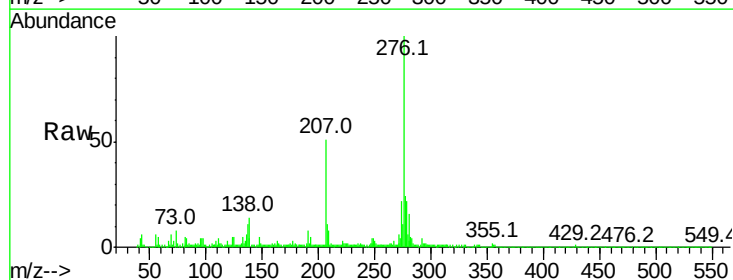
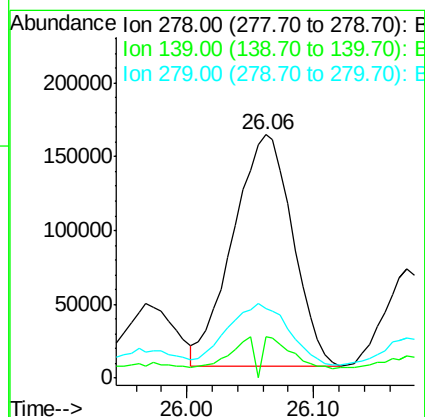
Manual Integrations
 APPROVED

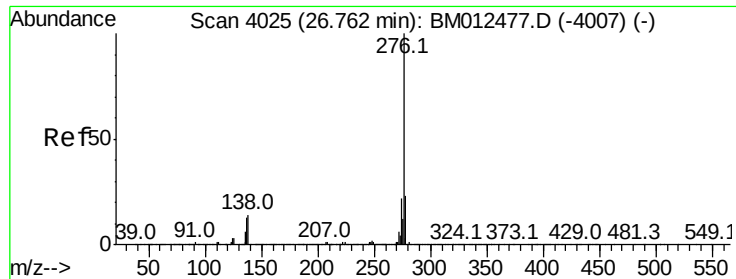
Sohil
 10/30/2017 6:30:03 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 4.036 ng/ul
 RT: 26.06 min Scan# 3906
 Delta R.T. -0.03 min
 Lab File: BM012482.D
 Acq: 27 Oct 2017 12:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	5.8	8.8#
279	28.7	18.6	27.8#





#91
 Benzo(a,h,i)perylene
 Concen: 12.677 ng/ul
 RT: 26.77 min Scan# 4027
 Delta R.T. -0.02 min
 Lab File: BM012482.D
 Acq: 27 Oct 2017 12:31

Instrument :
 BNA_M
 ClientSampleId :
 B-18(5-6)_101217

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.6	8.5	12.7#
277	24.9	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 10/30/2017 6:30:03 PM

