

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014398.D
 Acq On : 28 Feb 2018 11:36
 Operator : SJ/JU
 Sample : J1646-09DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3DL

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:13:45 PM

Quant Time: Mar 01 10:15:19 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Sohil

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	98421	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	397902	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	235095	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	494789	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	499438	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	473990	20.00	ng/ul	0.00

3/1/2018 5:13:45 PM

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2871	1.25	ng/uL	0.00
5) Phenol-d5	6.73	99	41788	5.02	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27559m	5.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	38594m	6.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	32243m	4.43	ng/ul	0.02
19) Nitrobenzene-d5	8.69	128	19142	6.51	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	18441m	6.06	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.96	165	34978m	5.55	ng/ul	0.03
29) 4-Chloroaniline-d4	10.48	131	29785m	4.80	ng/ul	0.03
43) Dimethylphthalate-d6	13.60	166	116192	5.98	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	152299	6.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	7865m	2.93	ng/ul	0.07
57) Fluorene-d10	15.18	176	100878	5.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	4669m	1.57	ng/ul	0.02
70) Anthracene-d10	17.04	188	151208	6.33	ng/ul	0.00
76) Pyrene-d10	19.34	212	171140	6.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	147771	6.41	ng/ul	0.00

Target Compounds

					Ovalue
44) Dimethylphthalate	13.65	163	28457	1.486 ng/ul#	93
49) Acenaphthene	14.24	153	23484	1.474 ng/ul	97
58) Fluorene	15.24	166	22706	1.101 ng/ul	91
69) Phenanthrene	16.98	178	524793	18.409 ng/ul	99
71) Anthracene	17.07	178	85639m	2.987 ng/ul	
72) Carbazole	17.36	167	30166	1.251 ng/ul#	93
74) Fluoranthene	19.01	202	671439m	19.714 ng/ul	
77) Pyrene	19.37	202	623873	18.796 ng/ul#	92
80) Benzo(a)anthracene	21.14	228	273776	8.783 ng/ul	99
82) Chrysene	21.19	228	252797	8.694 ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	277278	8.737 ng/ul#	94
86) Benzo(k)fluoranthene	22.72	252	93535m	3.100 ng/ul	
88) Benzo(a)pyrene	23.23	252	205382	7.242 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.49	276	122139	4.438 ng/ul#	93
90) Dibenzo(a,h)anthracene	25.47	278	30325m	1.326 ng/ul	
91) Benzo(g,h,i)perylene	26.14	276	97137	4.357 ng/ul#	94

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014398.D
Acq On : 28 Feb 2018 11:36
Operator : SJ/JU
Sample : J1646-09DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

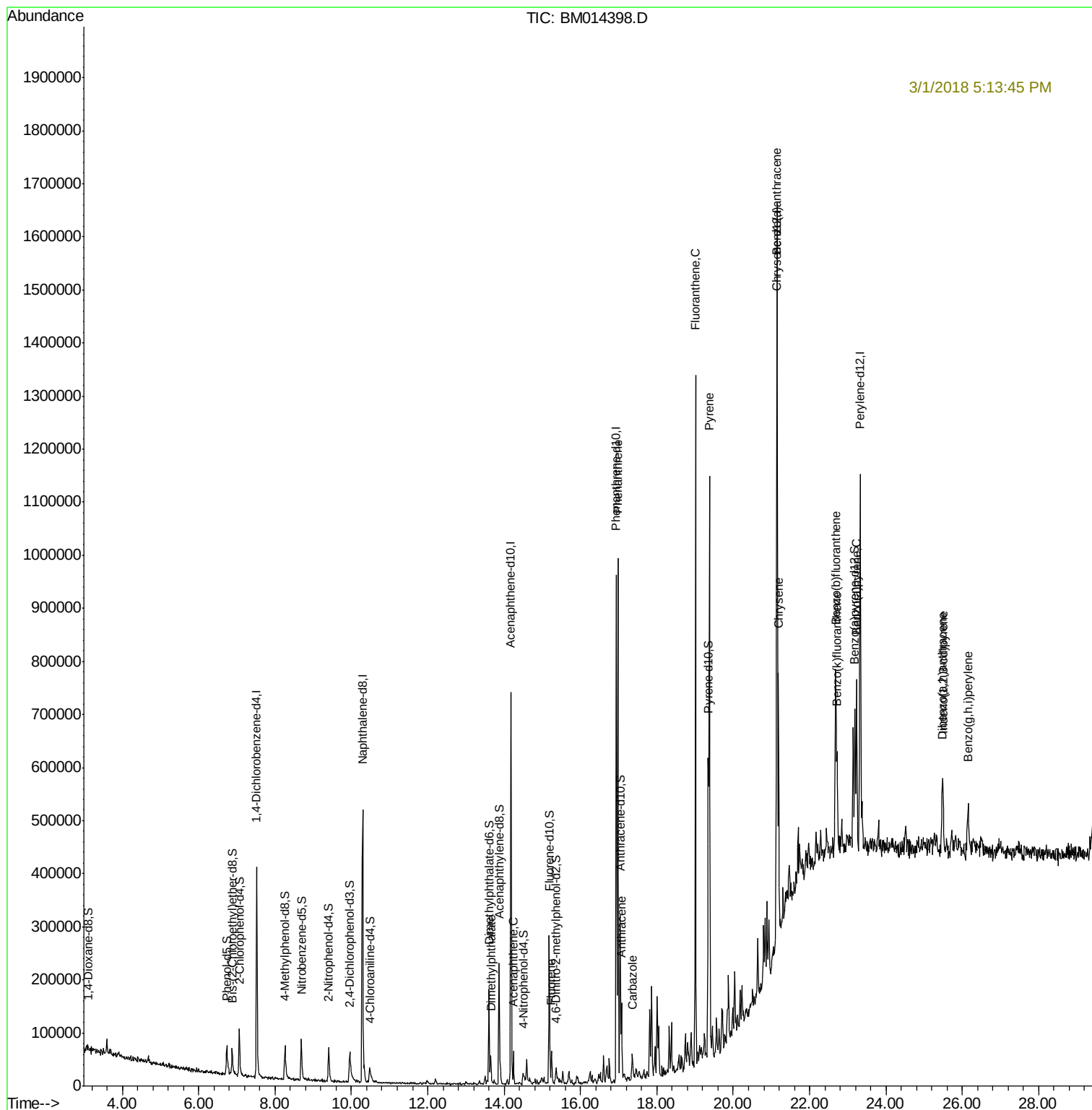
Instrument :
BNA_M
ClientSampleId :
BE5X3DL

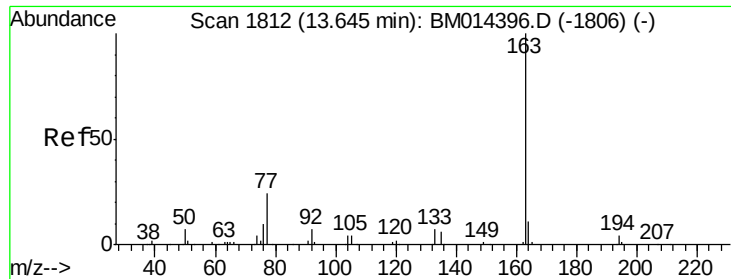
Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM

Quant Time: Mar 01 10:15:19 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Sohil





#44

Dimethylphthalate

Concen: 1.486 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BM014398.D

Acq: 28 Feb 2018 11:36

Instrument :

BNA_M

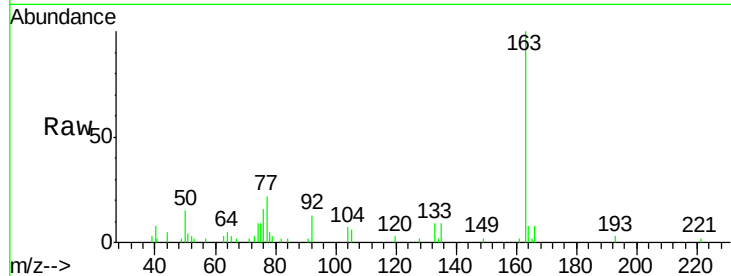
ClientSampleID :

BE5X3DL

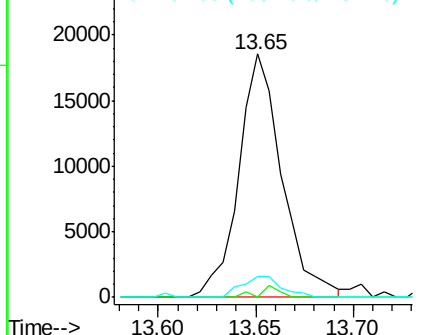
Tot Ion:	163	Resp:	28457
Ion Ratio	Lower	Upper	
163	100		
194	0.0	3.5	5.3#
164	8.5	8.2	12.4

Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM

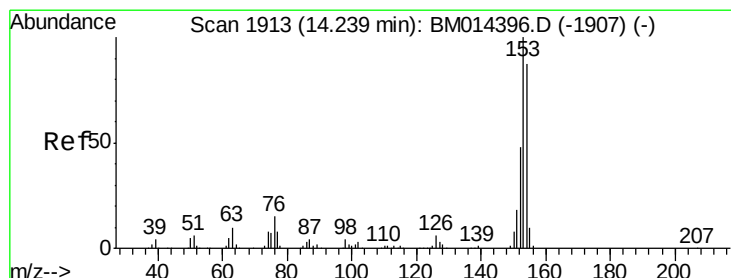
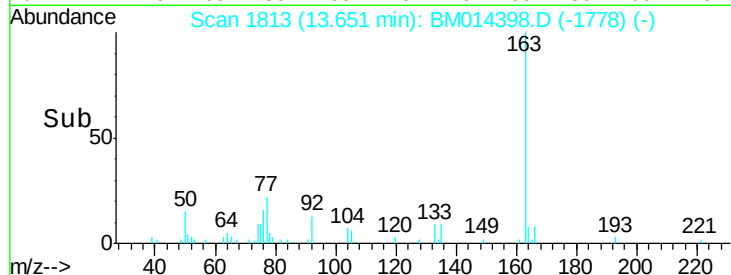


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Sohil

3/1/2018 5:13:45 PM



#49

Acenaphthene

Concen: 1.474 ng/ul

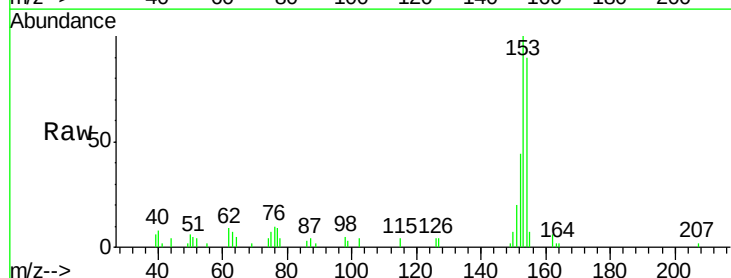
RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

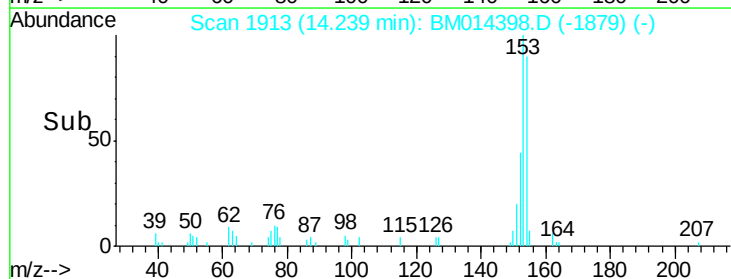
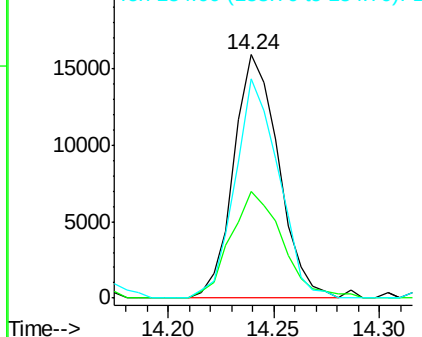
Lab File: BM014398.D

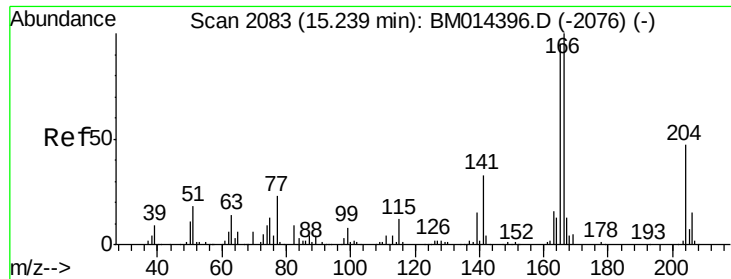
Acq: 28 Feb 2018 11:36

Tgt Ion:	153	Resp:	23484
Ion Ratio	Lower	Upper	
153	100		
152	43.9	37.6	56.4
154	89.9	70.4	105.6



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





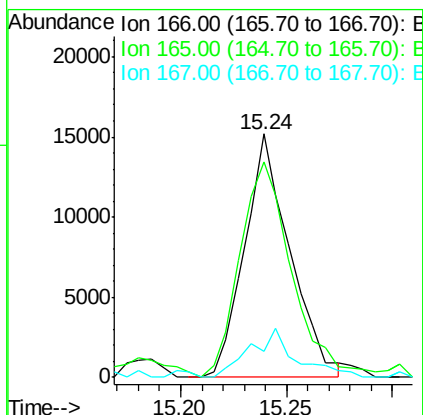
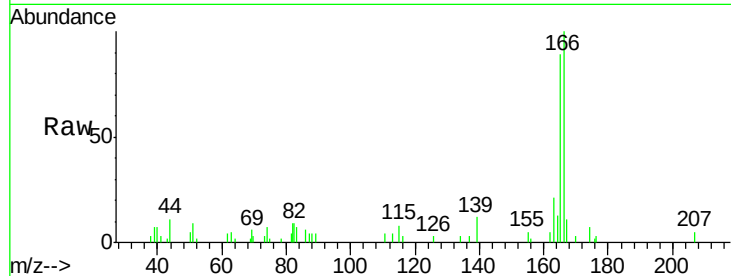
#58
 Fluorene
 Concen: 1.101 ng/ul
 RT: 15.24 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	88.6	77.9	116.9
167	10.7	10.6	16.0

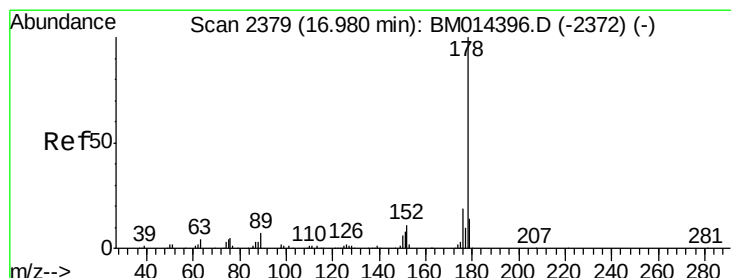
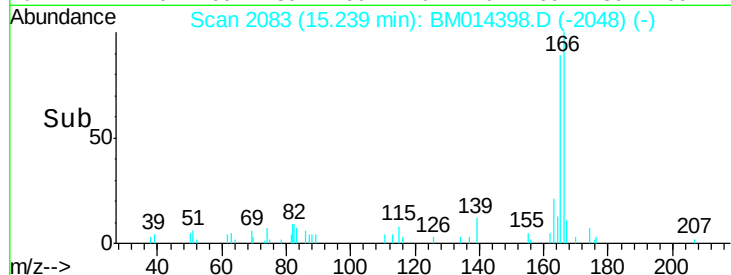
Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:13:45 PM



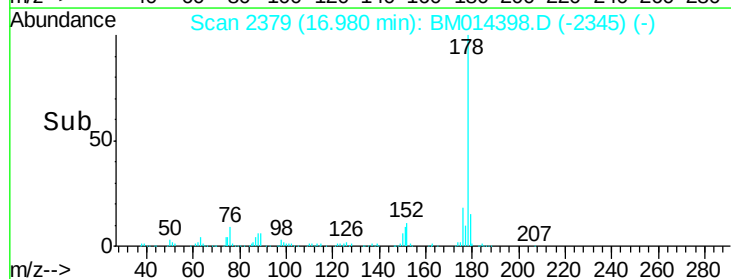
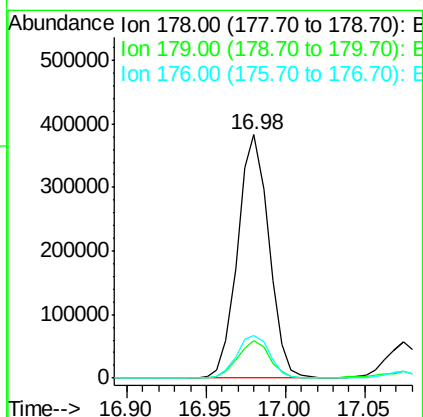
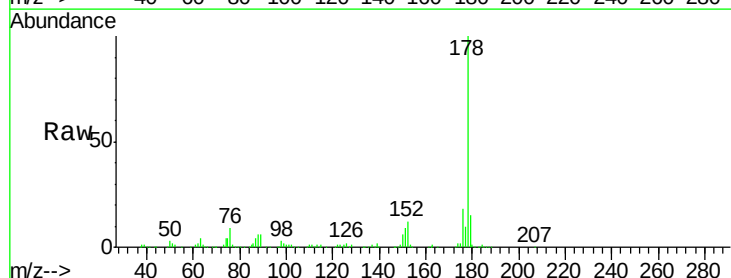
Sohil

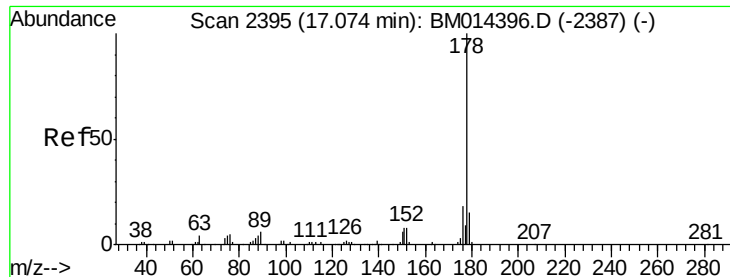
3/1/2018 5:13:45 PM



#69
 Phenanthrene
 Concen: 18.409 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	17.7	14.9	22.3





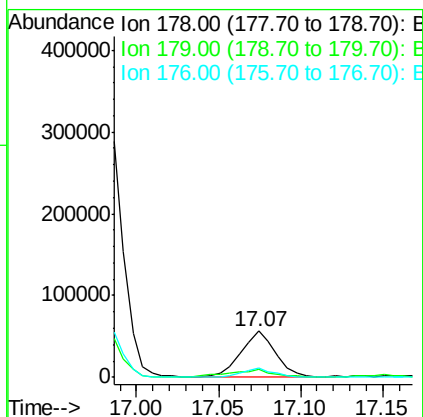
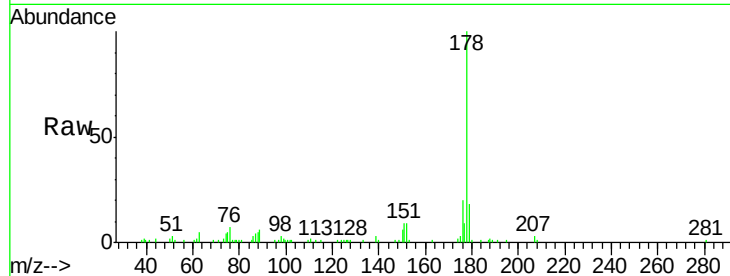
#71
 Anthracene
 Concen: 2.987 ng/ul m
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.0	11.7	17.5#
176	19.7	14.6	21.8

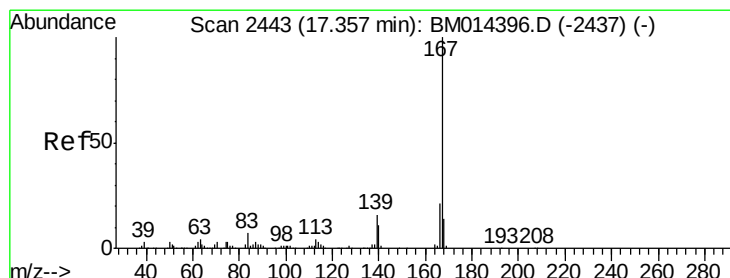
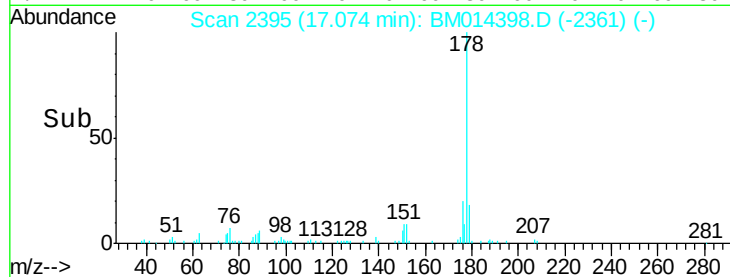
Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:13:45 PM



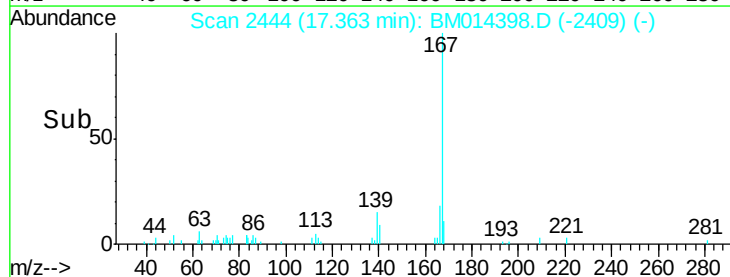
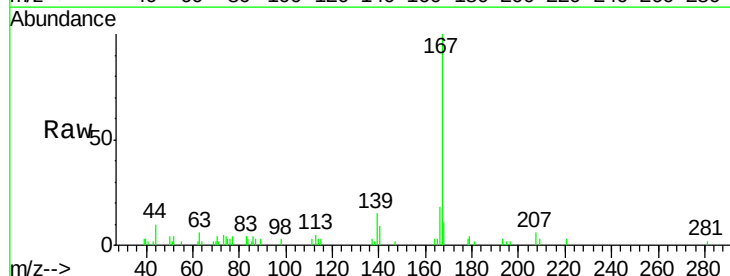
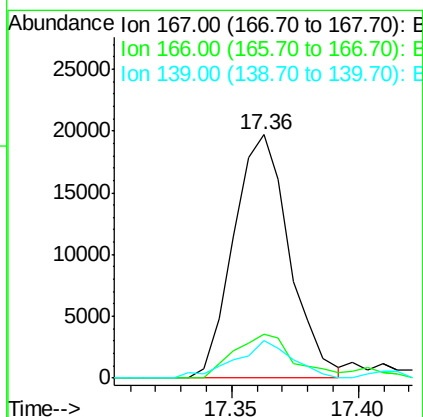
Sohil

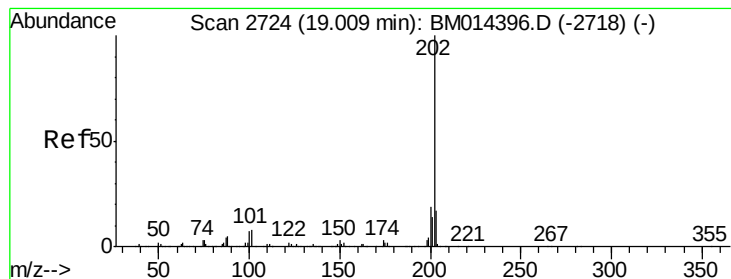
3/1/2018 5:13:45 PM



#72
 Carbazole
 Concen: 1.251 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	18.2	17.1	25.7
139	15.4	10.0	15.0#





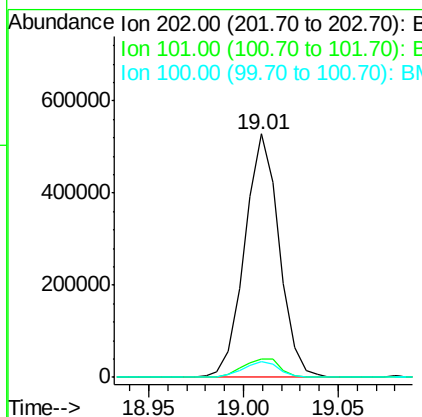
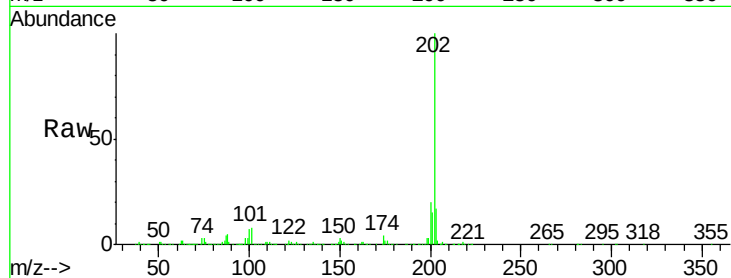
#74
 Fluoranthene
 Concen: 19.714 ng/ul m
 RT: 19.01 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	671439		
101	7.8	4.6	7.0#	
100	6.6	3.4	5.2#	

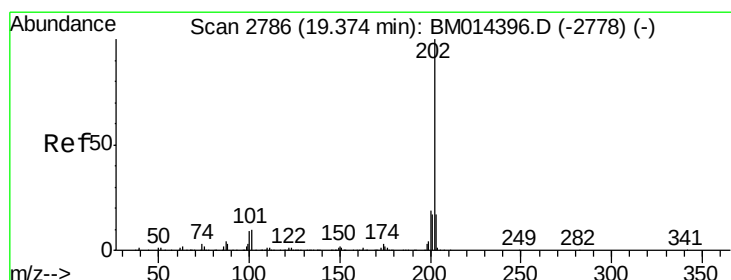
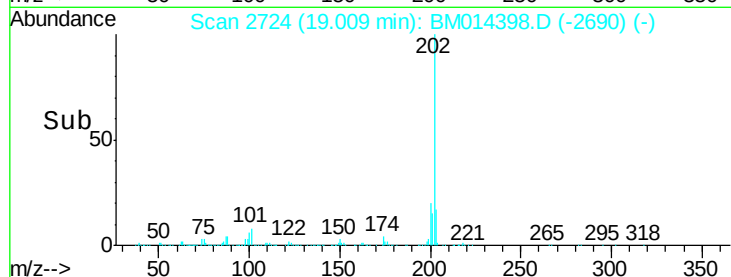
Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:13:45 PM



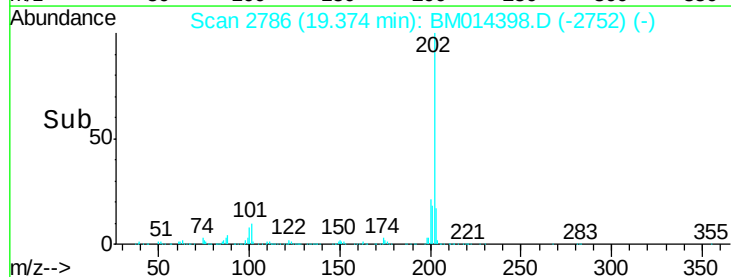
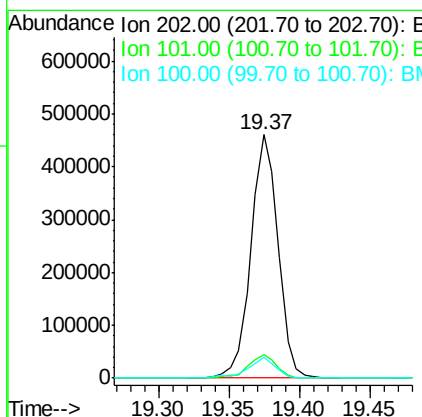
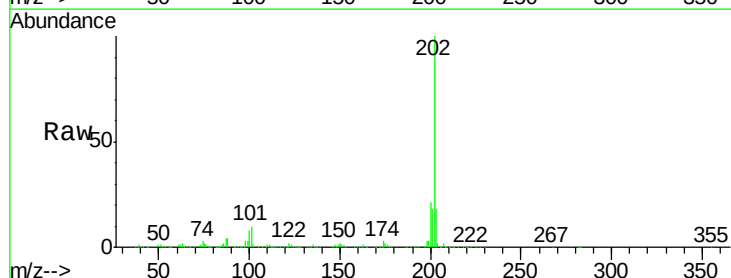
Sohil

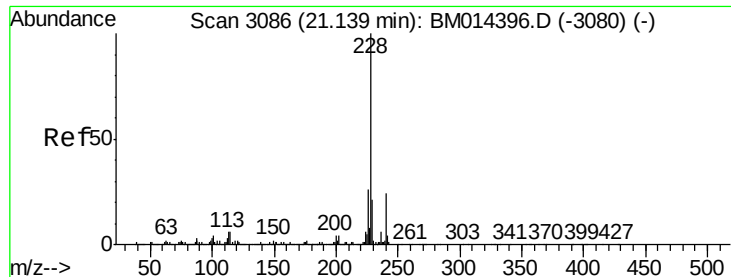
3/1/2018 5:13:45 PM



#77
 Pyrene
 Concen: 18.796 ng/ul
 RT: 19.37 min Scan# 2786
 Delta R.T. -0.00 min
 Lab File: BM014398.D
 Acq: 28 Feb 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	623873		
101	9.8	5.1	7.7#	
100	8.4	4.9	7.3#	





#80

Benzo(a)anthracene

Concen: 8.783 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014398.D

Acq: 28 Feb 2018 11:36

Instrument :

BNA_M

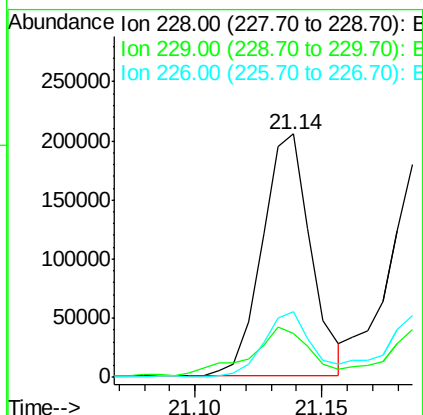
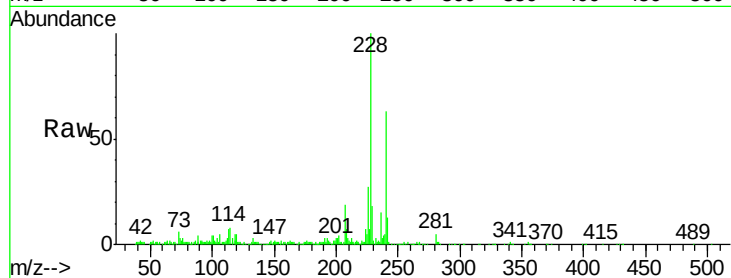
ClientSampleId :

BE5X3DL

Tot Ion:	228	Resp:	273776
Ion Ratio	Lower	Upper	
228	100		
229	18.3	15.4	23.0
226	26.8	21.4	32.0

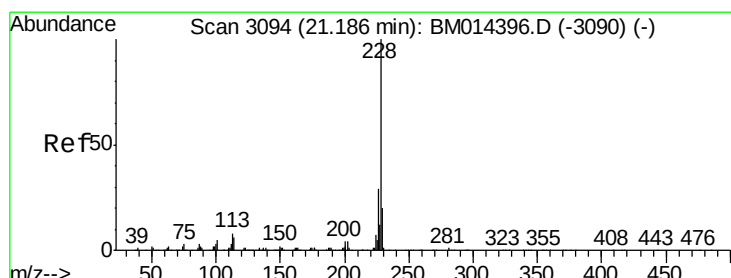
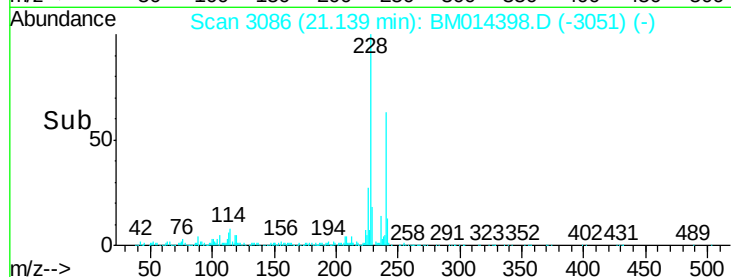
Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM



Sohil

3/1/2018 5:13:45 PM



#82

Chrysene

Concen: 8.694 ng/ul

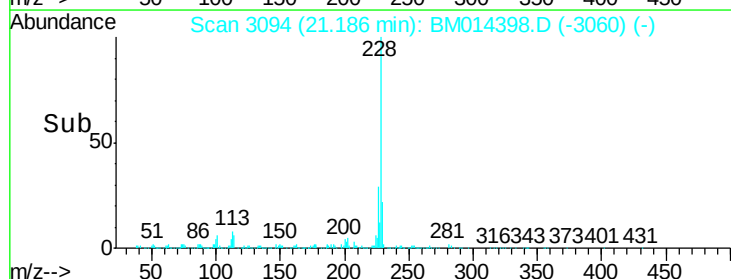
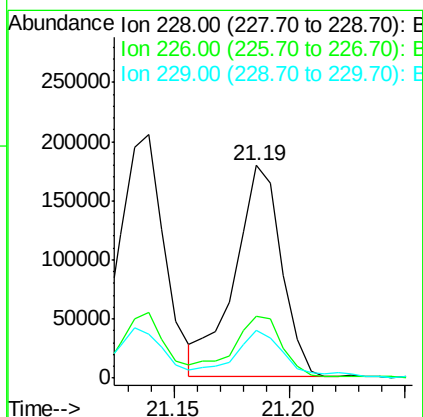
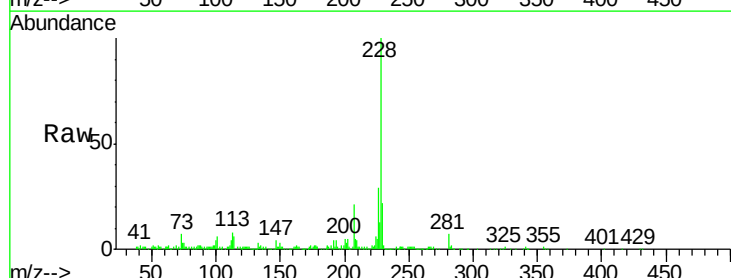
RT: 21.19 min Scan# 3094

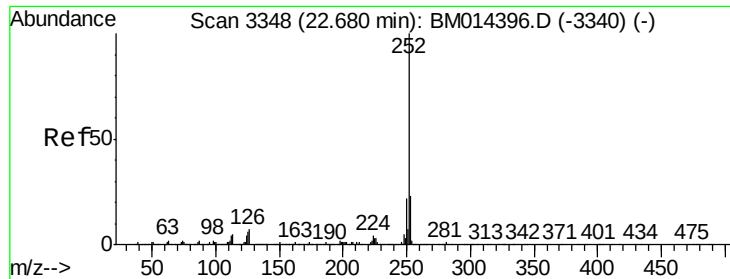
Delta R.T. -0.00 min

Lab File: BM014398.D

Acq: 28 Feb 2018 11:36

Tgt Ion:	228	Resp:	252797
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.4	35.2
229	22.4	15.5	23.3





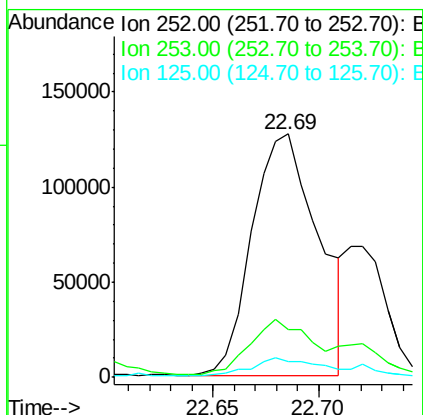
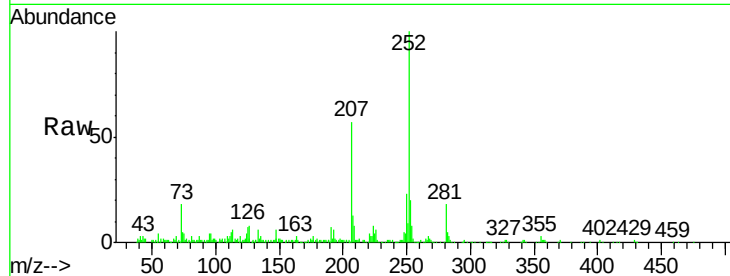
#85
Benzo(b)fluoranthene
Concen: 8.737 ng/ul
RT: 22.69 min Scan# 3349
Delta R.T. 0.01 min
Lab File: BM014398.D
Acq: 28 Feb 2018 11:36

Instrument :
BNA_M
ClientSampleId :
BE5X3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.6	17.9	26.9
125	6.6	3.6	5.4

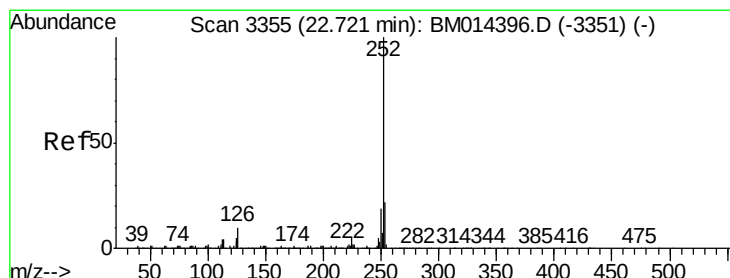
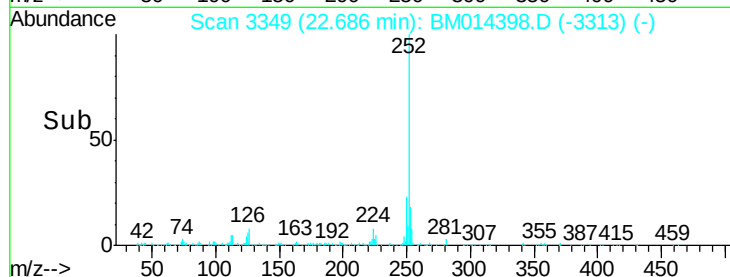
Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM



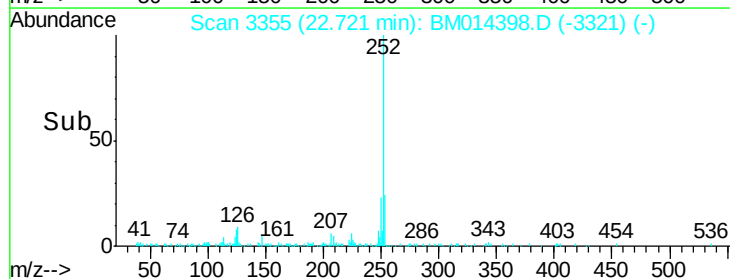
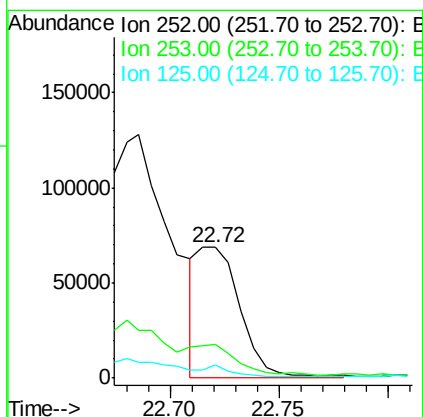
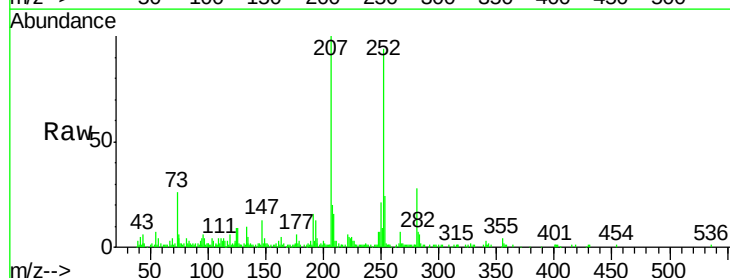
Sohil

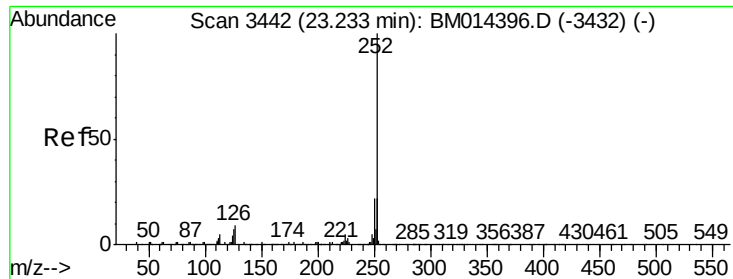
3/1/2018 5:13:45 PM



#86
Benzo(k)fluoranthene
Concen: 3.100 ng/ul m
RT: 22.72 min Scan# 3355
Delta R.T. -0.00 min
Lab File: BM014398.D
Acq: 28 Feb 2018 11:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.1	25.7
125	9.7	3.4	5.2





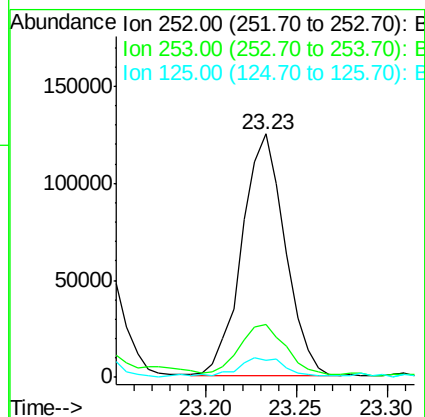
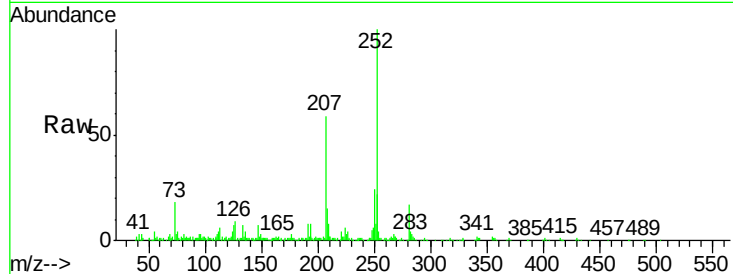
#88
Benzo(a)pyrene
Concen: 7.242 ng/ul
RT: 23.23 min Scan# 3442
Delta R.T. 0.01 min
Lab File: BM014398.D
Acq: 28 Feb 2018 11:36

Instrument :
BNA_M
ClientSampleId :
BE5X3DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	18.2	27.2
125	7.1	4.0	6.0

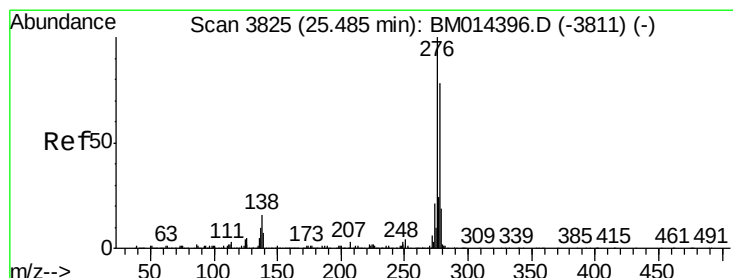
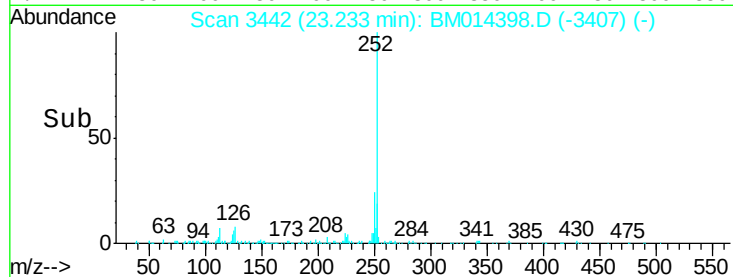
Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM



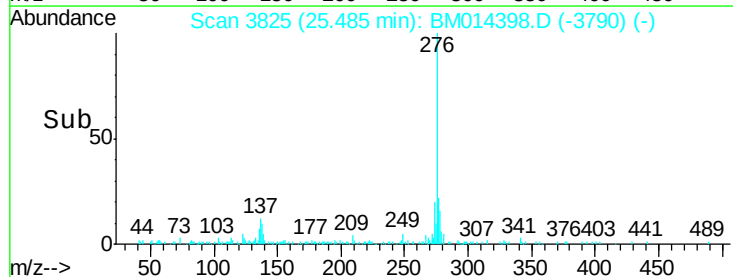
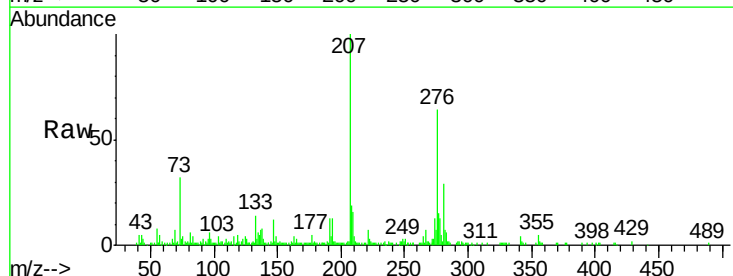
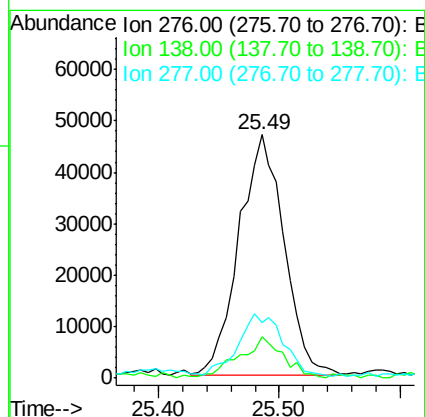
Sohil

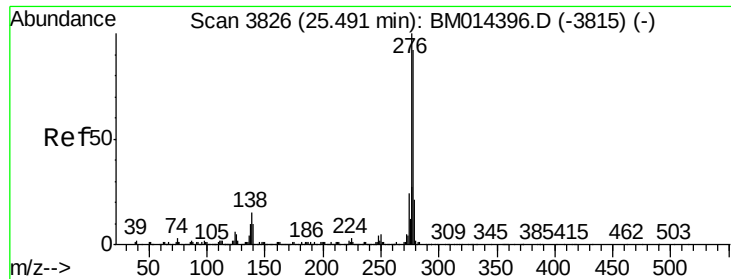
3/1/2018 5:13:45 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 4.438 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. 0.01 min
Lab File: BM014398.D
Acq: 28 Feb 2018 11:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	17.1	9.3	13.9
277	22.9	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.326 ng/ul m

RT: 25.47 min Scan# 3823

Delta R.T. -0.01 min

Lab File: BM014398.D

Acq: 28 Feb 2018 11:36

Instrument :

BNA_M

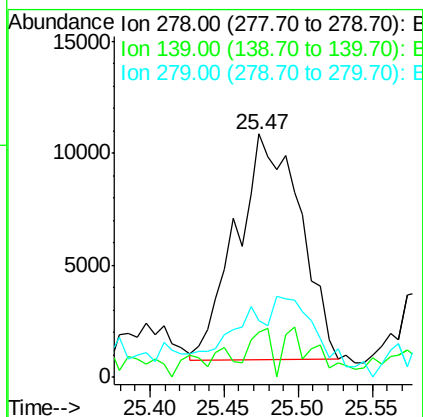
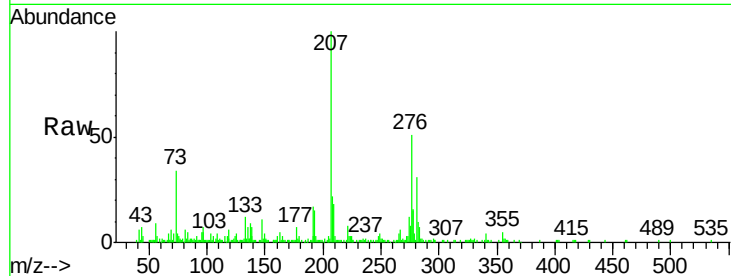
ClientSampleId :

BE5X3DL

Tot Ion:	278	Resp:	30325
Ion Ratio	Lower	Upper	
278	100		
139	18.8	5.8	8.8#
279	23.2	18.6	27.8

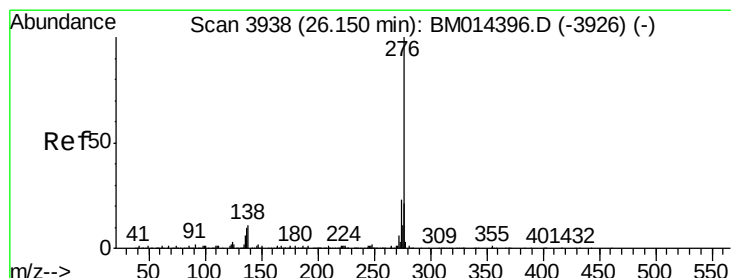
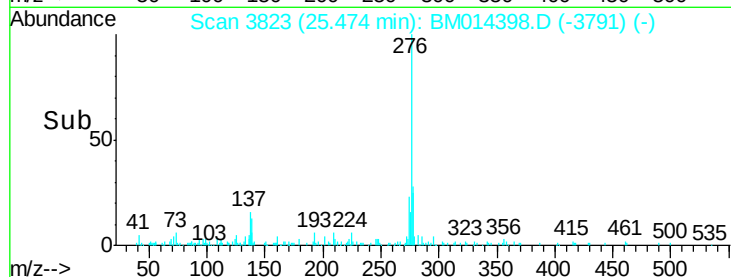
Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:45 PM



Sohil

3/1/2018 5:13:45 PM



#91

Benzo(g,h,i)perylene

Concen: 4.357 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. -0.00 min

Lab File: BM014398.D

Acq: 28 Feb 2018 11:36

Tgt Ion:	276	Resp:	97137
Ion Ratio	Lower	Upper	
276	100		
138	17.4	8.5	12.7#
277	23.6	18.6	28.0

