

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014397.D
 Acq On : 28 Feb 2018 11:00
 Operator : SJ/JU
 Sample : J1646-10DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5X4DL

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:13:42 PM

Quant Time: Mar 01 10:10:34 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	101374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	426808	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	238290	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	500621	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	512014	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	488077	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	5738	2.42	ng/uL	0.00
5) Phenol-d5	6.72	99	124479	14.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	71841	13.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	97509	14.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	100584	13.42	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	51556	16.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	56728	17.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	99071	14.65	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	108918m	16.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	327556	16.65	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	411991	16.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	27434m	10.10	ng/ul	0.05
57) Fluorene-d10	15.18	176	276195	15.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	18925	6.30	ng/ul	0.01
70) Anthracene-d10	17.04	188	411585	17.04	ng/ul	0.00
76) Pyrene-d10	19.34	212	464191	17.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	398530	16.78	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.75	94	12934	1.439 ng/ul#	80
28) Naphthalene	10.34	128	24981	1.140 ng/ul#	95
44) Dimethylphthalate	13.65	163	79622	4.103 ng/ul	98
47) Acenaphthylene	13.90	152	70662	3.081 ng/ul#	94
49) Acenaphthene	14.24	153	39105	2.421 ng/ul	96
53) Dibenzofuran	14.59	168	68292m	2.820 ng/ul	
58) Fluorene	15.24	166	55892m	2.674 ng/ul	
69) Phenanthrene	16.98	178	1132567	39.266 ng/ul	99
71) Anthracene	17.07	178	187421	6.461 ng/ul	98
72) Carbazole	17.36	167	49862	2.044 ng/ul#	94
74) Fluoranthene	19.01	202	1224062	35.521 ng/ul#	92
77) Pyrene	19.37	202	1067890	31.384 ng/ul#	93
80) Benzo(a)anthracene	21.13	228	418088	13.084 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	28537	1.416 ng/ul	99
82) Chrysene	21.19	228	373294	12.523 ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	420707	12.873 ng/ul#	96
86) Benzo(k)fluoranthene	22.72	252	135327m	4.355 ng/ul	
88) Benzo(a)pyrene	23.23	252	300503	10.290 ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.49	276	183151	6.463 ng/ul#	96
90) Dibenz(a,h)anthracene	25.49	278	49355	2.096 ng/ul#	93
91) Benzo(a,h,i)perylene	26.14	276	130712	5.694 ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

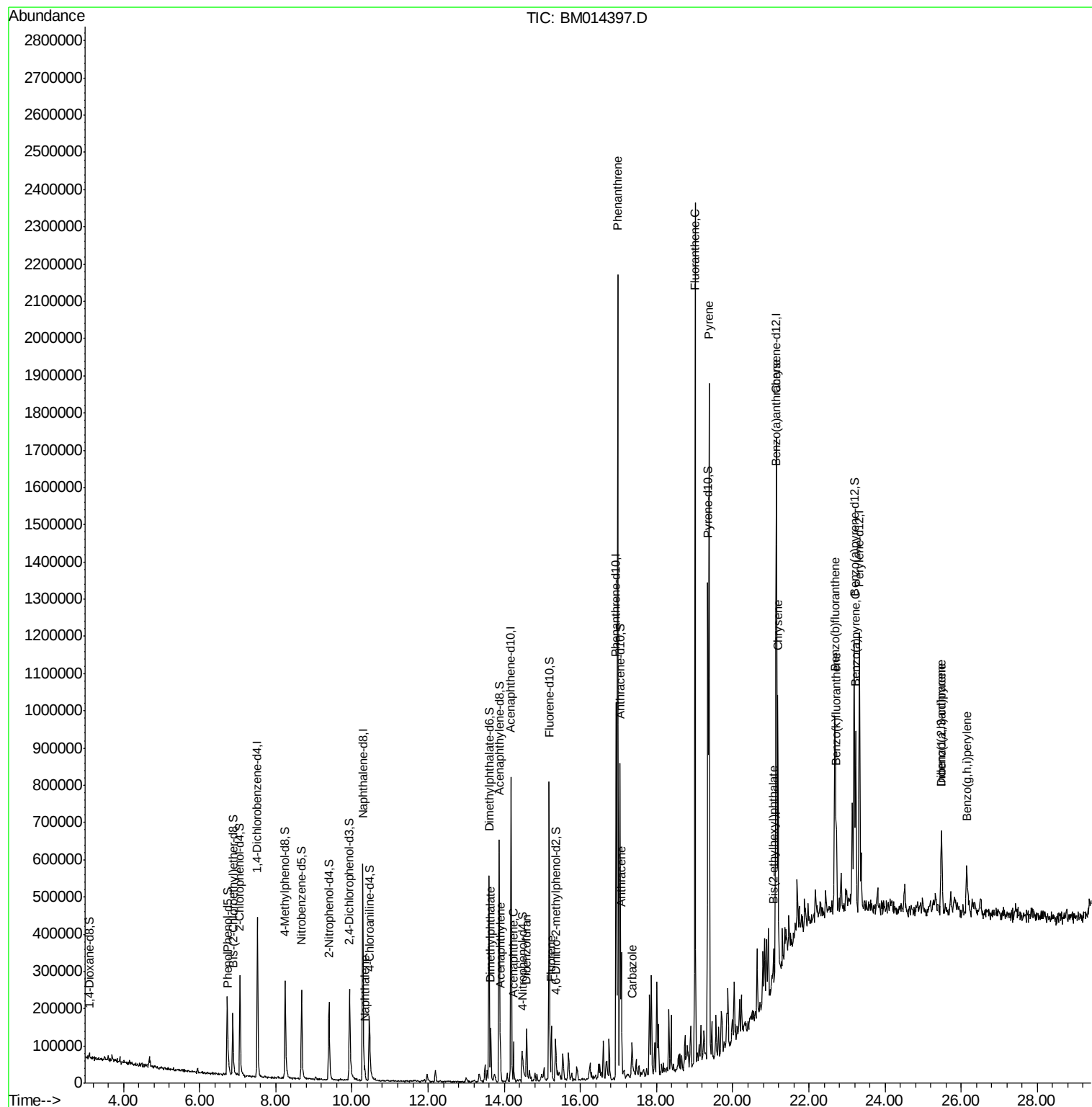
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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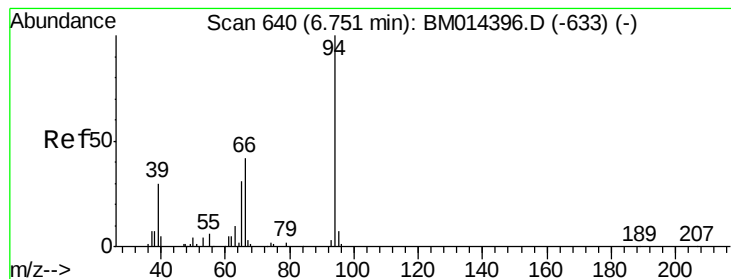
Instrument :
BNA_M
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#6

Phenol

Concen: 1.439 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

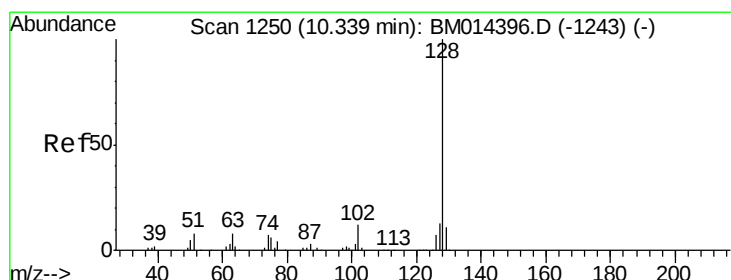
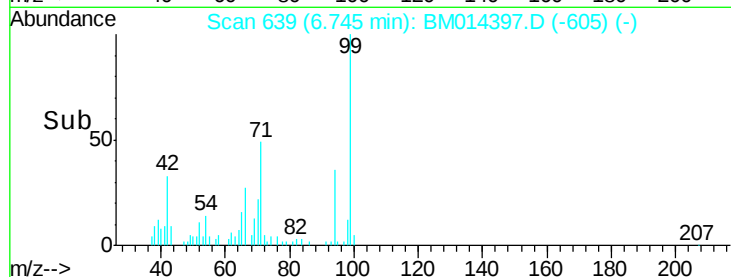
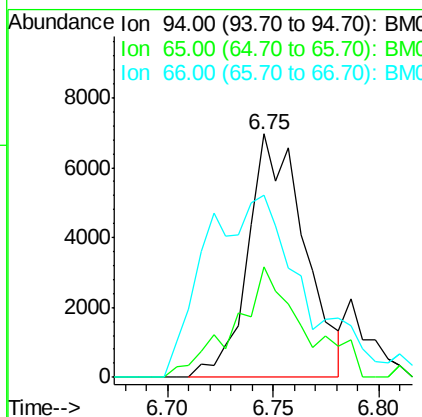
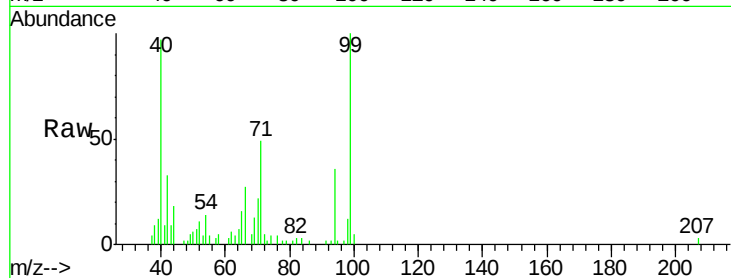
ClientSampled :

BE5X4DL

Tot Ion:	94	Resp:	12934
Ion Ratio	Lower	Upper	
94	100		
65	45.2	28.2	42.4#
66	74.9	47.2	70.8#

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#28

Naphthalene

Concen: 1.140 ng/ul

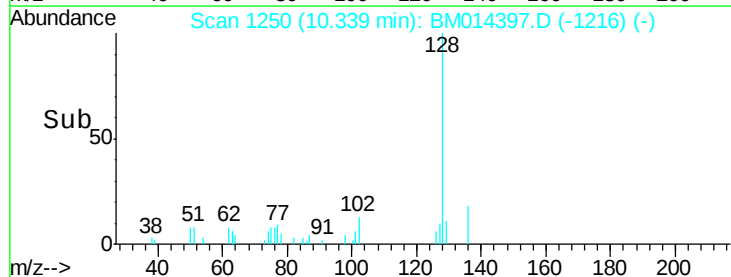
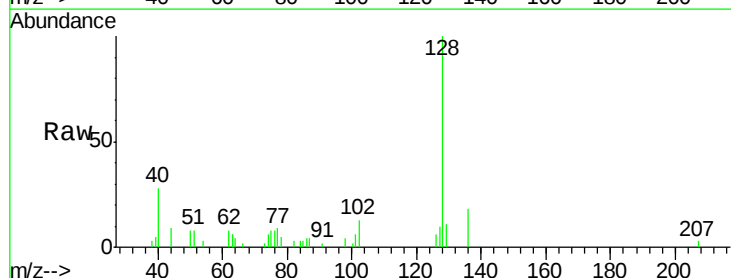
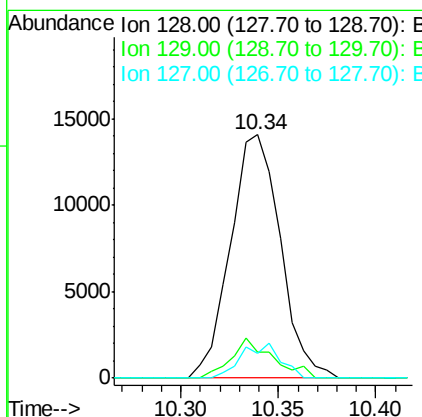
RT: 10.34 min Scan# 1250

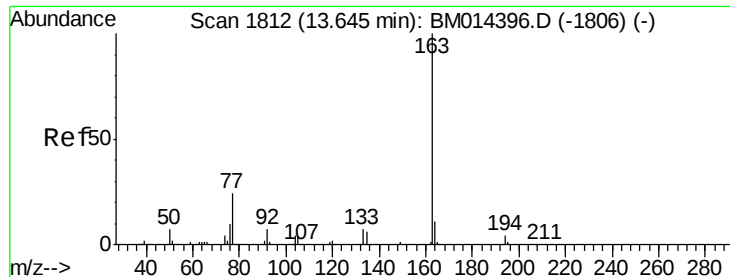
Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:	128	Resp:	24981
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	10.1	10.6	16.0#





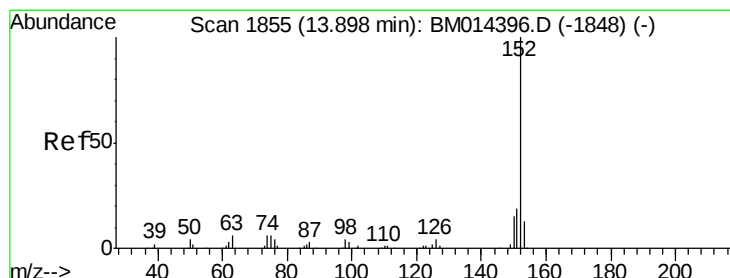
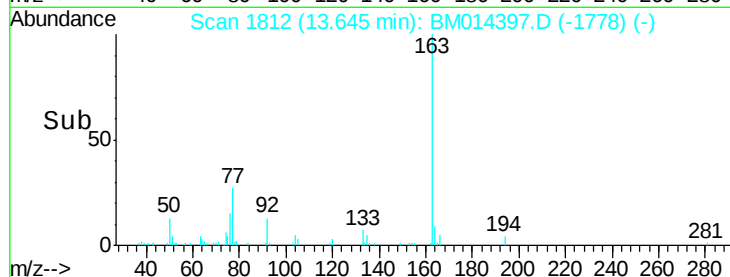
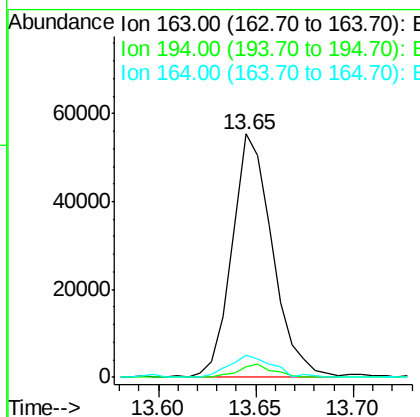
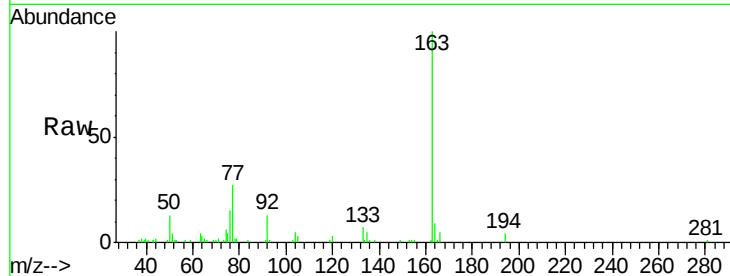
#44
Dimethylphthalate
Concen: 4.103 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Instrument :
BNA_M
ClientSampleId :
BE5X4DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	79622		
194	4.4		3.5	5.3
164	9.3		8.2	12.4

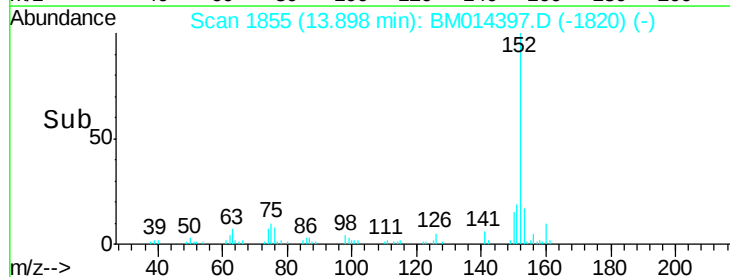
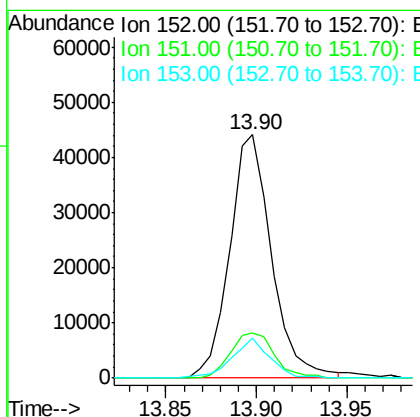
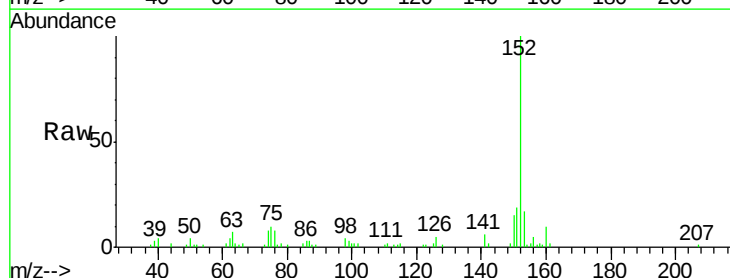
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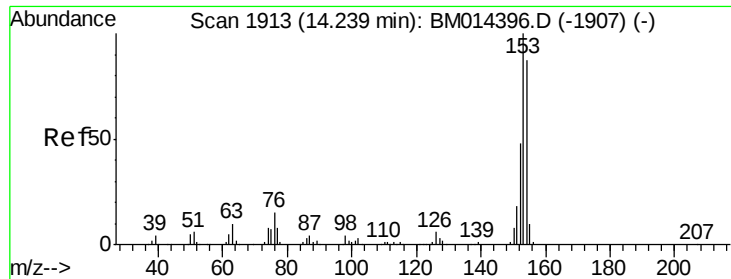
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#47
Acenaphthylene
Concen: 3.081 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	70662		
151	18.8		16.3	24.5
153	16.6		10.2	15.4#





#49

Acenaphthene

Concen: 2.421 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

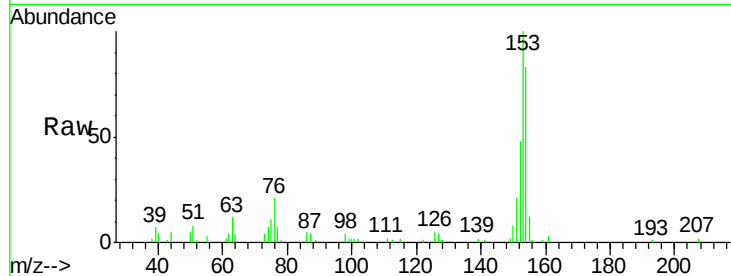
ClientSampleId :

BE5X4DL

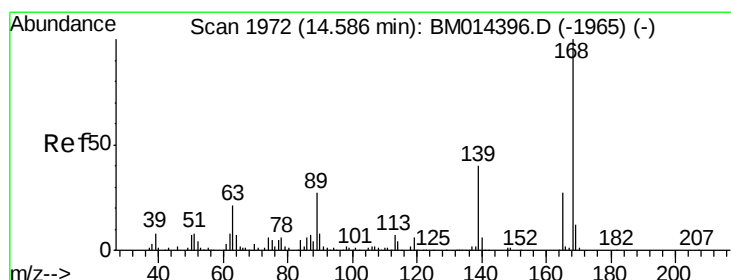
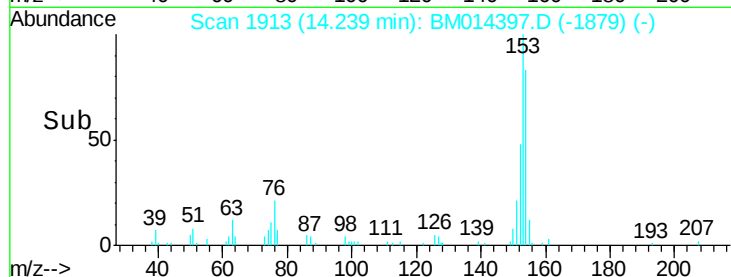
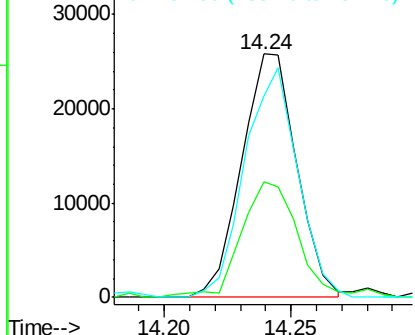
Tot Ion:153	Resp:	39105
Ion Ratio	Lower	Upper
153	100	
152	47.7	37.6 56.4
154	82.6	70.4 105.6

Manual Integrations
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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: 2.820 ng/ul m

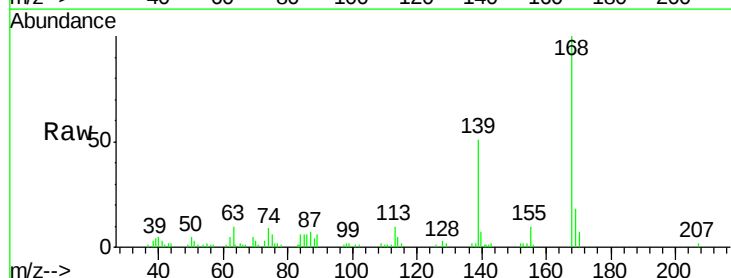
RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

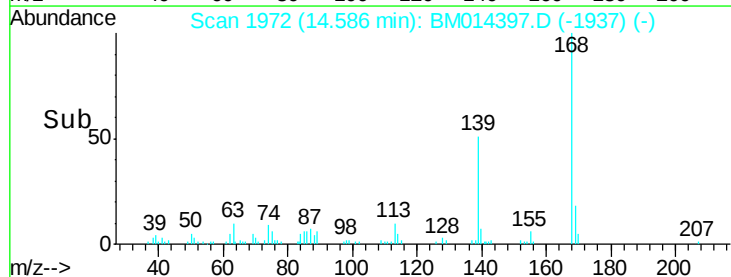
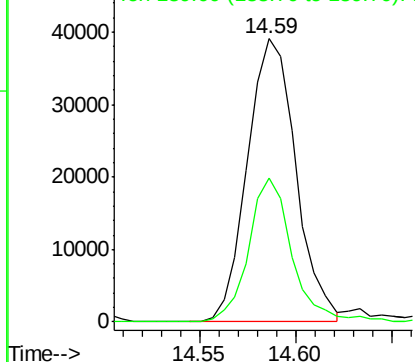
Lab File: BM014397.D

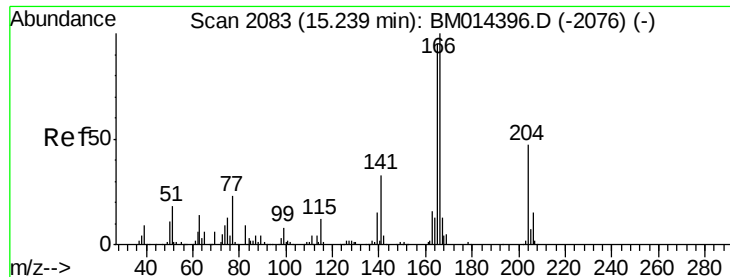
Acq: 28 Feb 2018 11:00

Tgt Ion:168	Resp:	68292
Ion Ratio	Lower	Upper
168	100	
139	50.9	30.8 46.2#



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





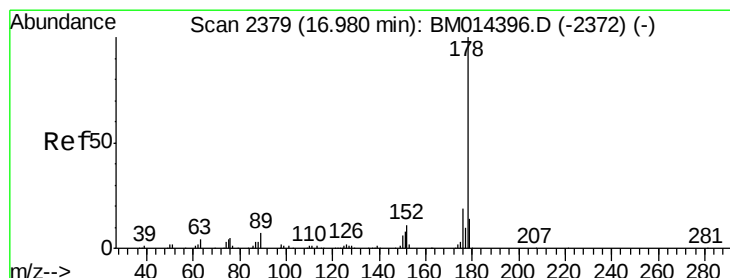
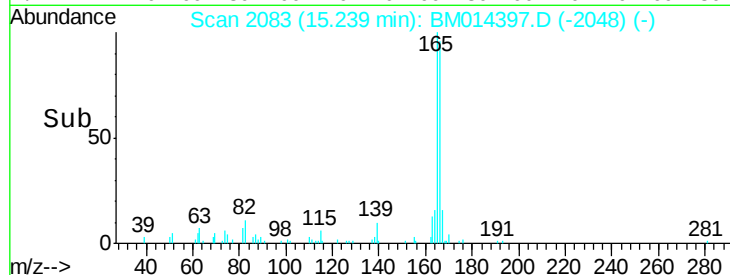
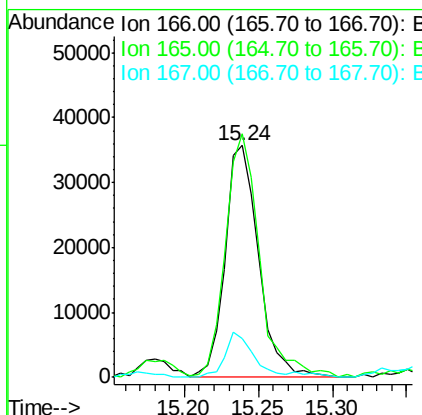
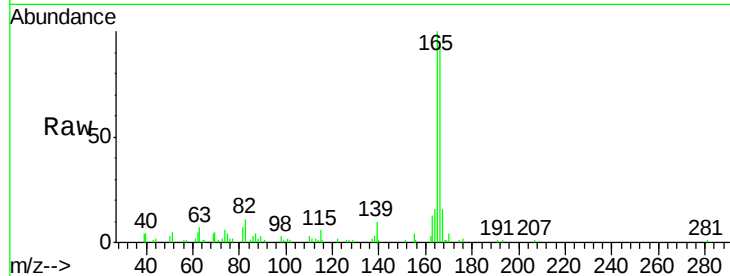
#58
Fluorene
 Concen: 2.674 ng/ul m
 RT: 15.24 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: BM014397.D
 Acq: 28 Feb 2018 11:00

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 BNA_M
 ClientSampleID :
 BE5X4DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.1	77.9	116.9
167	16.6	10.6	16.0

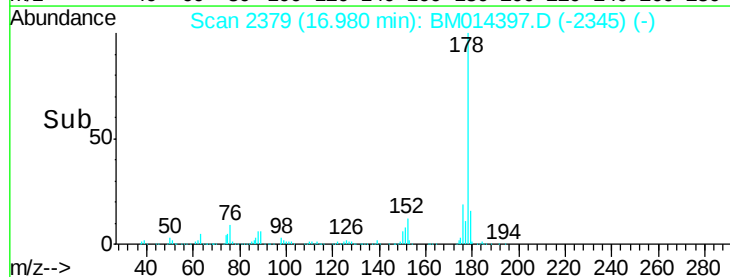
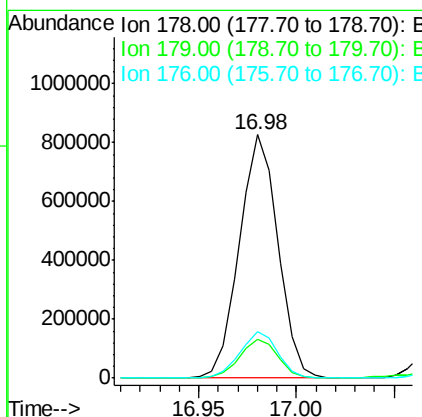
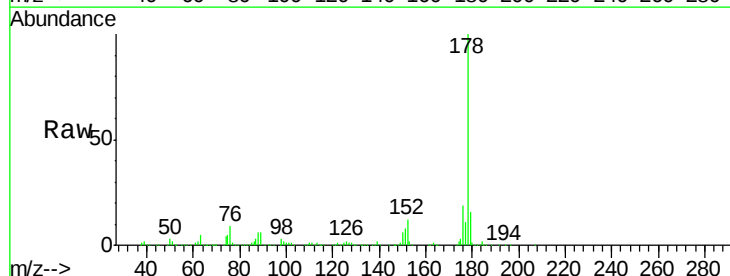
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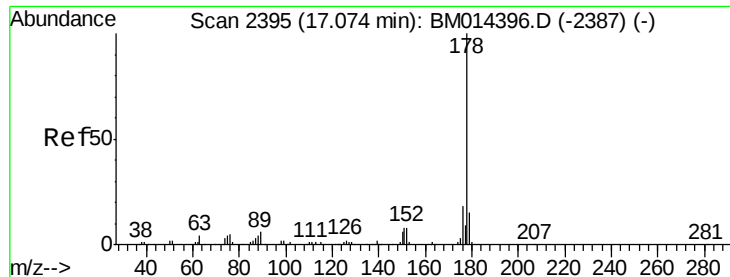
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#69
Phenanthrene
 Concen: 39.266 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BM014397.D
 Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.0	14.9	22.3





#71

Anthracene

Concen: 6.461 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

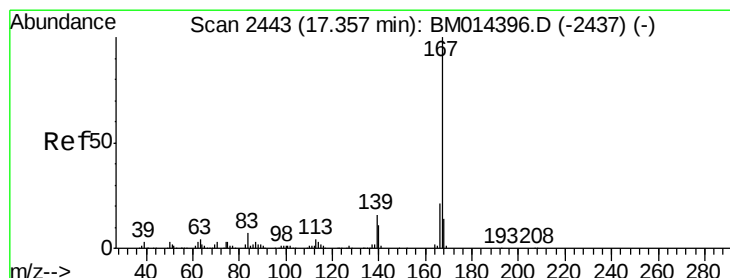
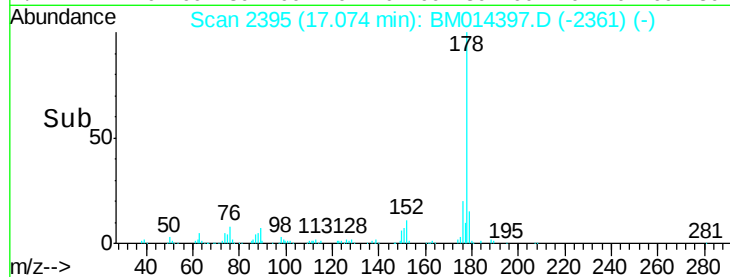
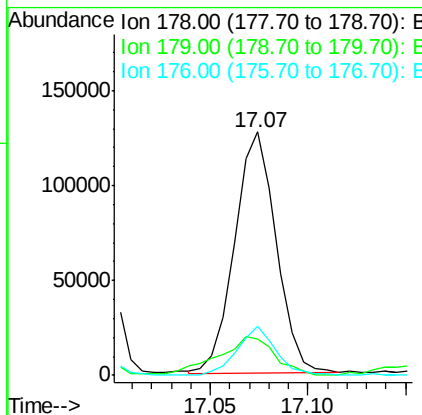
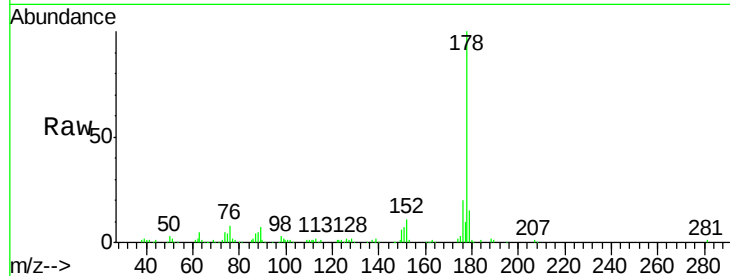
ClientSampleId :

BE5X4DL

Tot Ion:	178	Resp:	187421
Ion Ratio	Lower	Upper	
178	100		
179	14.6	11.7	17.5
176	19.9	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 2.044 ng/ul

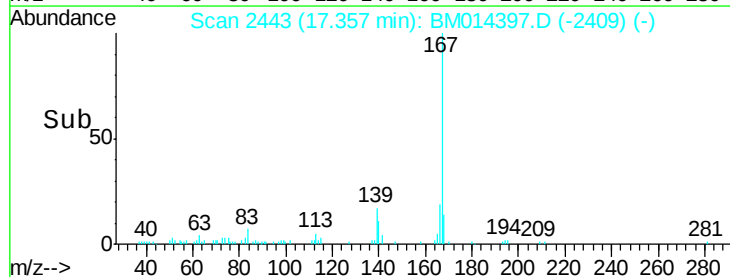
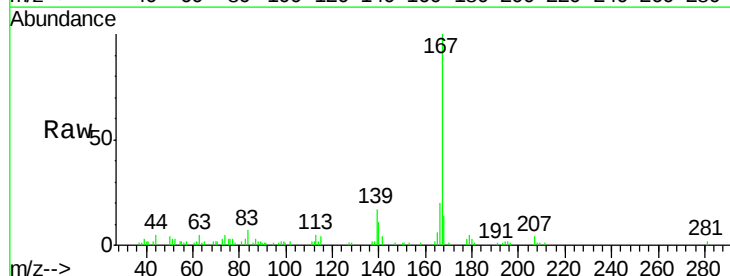
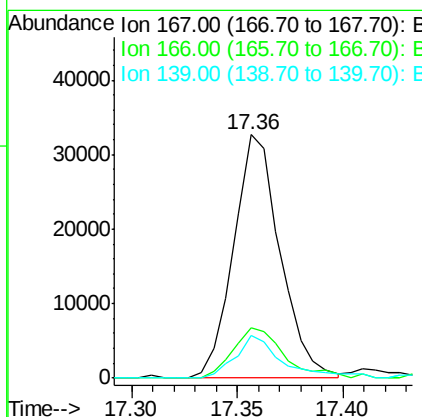
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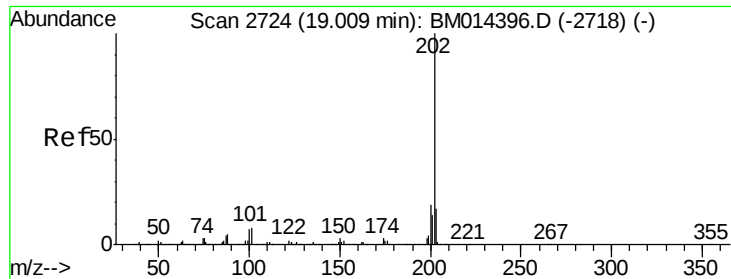
Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:	167	Resp:	49862
Ion Ratio	Lower	Upper	
167	100		
166	20.4	17.1	25.7
139	17.4	10.0	15.0#





#74

Fluoranthene

Concen: 35.521 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

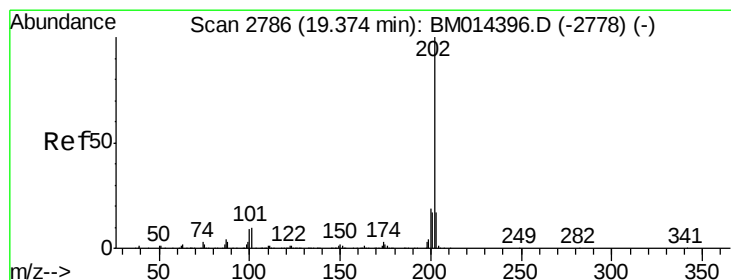
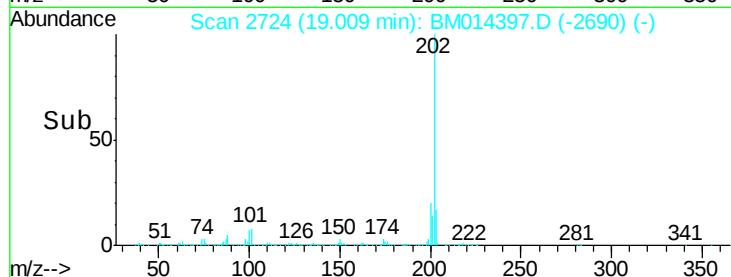
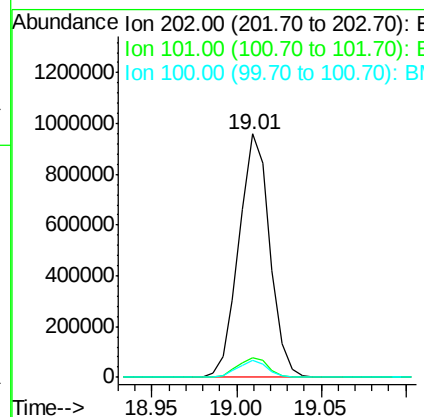
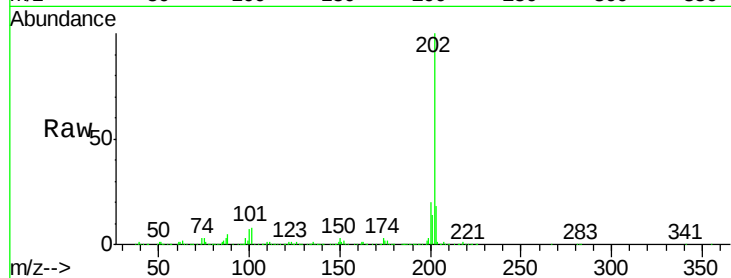
ClientSampleId :

BE5X4DL

Tot Ion:	202	Resp:	1224062
Ion Ratio	Lower	Upper	
202	100		
101	8.2	4.6	7.0#
100	7.1	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 31.384 ng/ul

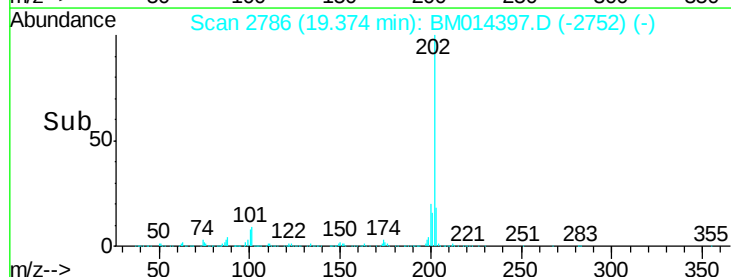
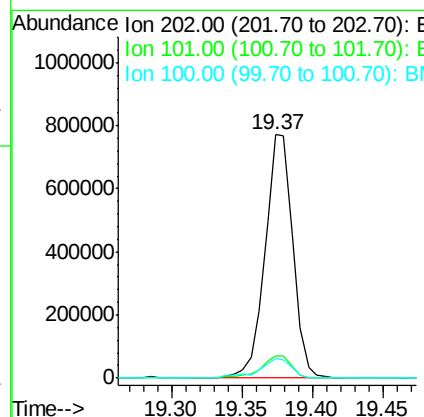
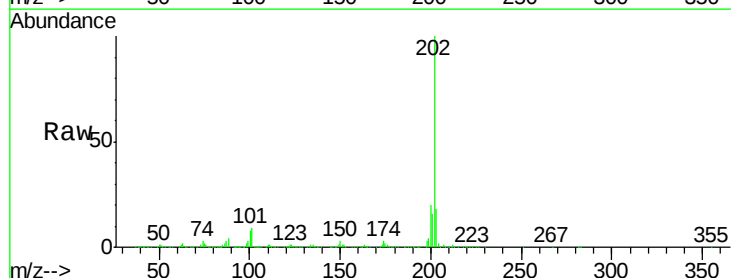
RT: 19.37 min Scan# 2786

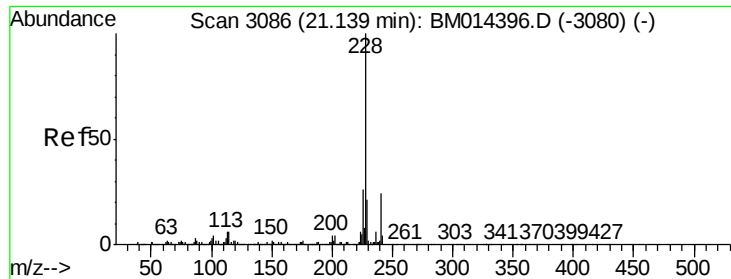
Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:	202	Resp:	1067890
Ion Ratio	Lower	Upper	
202	100		
101	9.0	5.1	7.7#
100	8.0	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 13.084 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

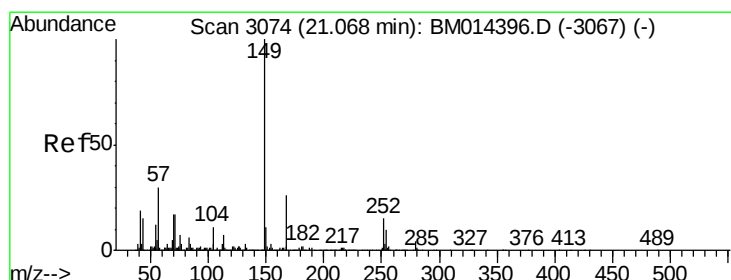
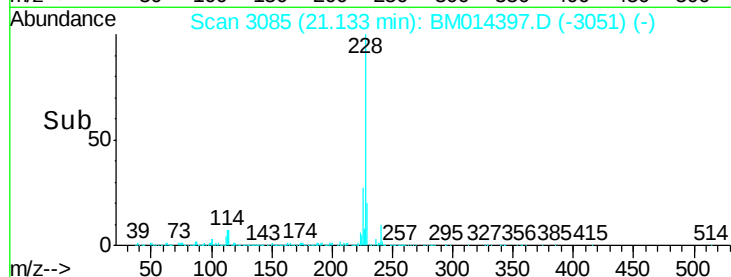
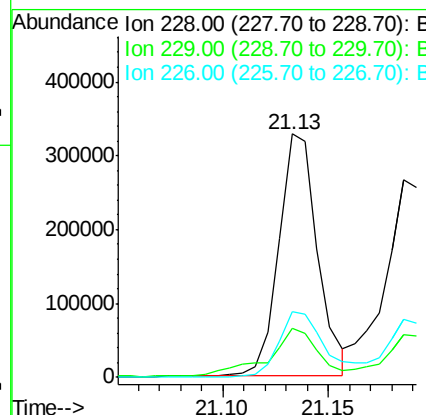
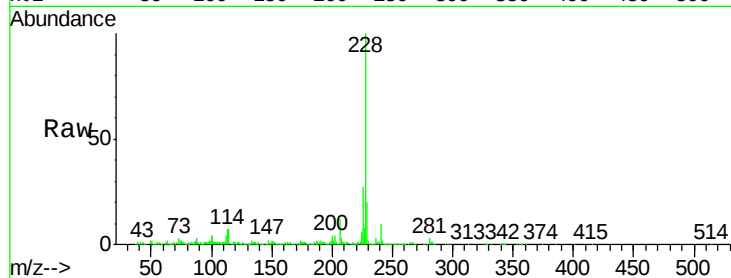
ClientSampleId :

BE5X4DL

Tot Ion:	228	Resp:	418088
Ion Ratio	Lower	Upper	
228	100		
229	20.2	15.4	23.0
226	26.8	21.4	32.0

Manual Integrations
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#81

Bis(2-ethylhexyl)phthalate

Concen: 1.416 ng/ul

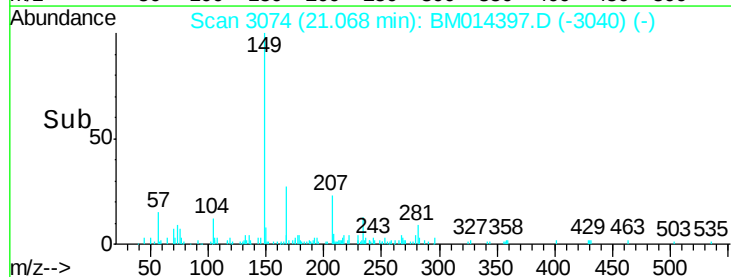
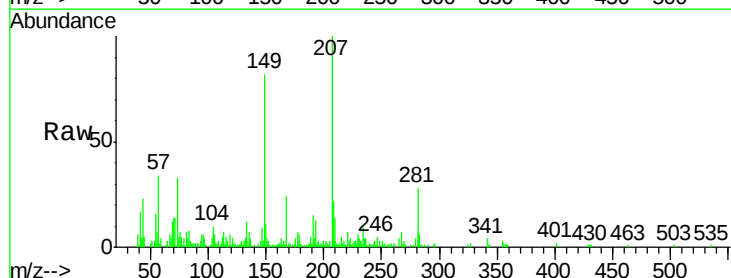
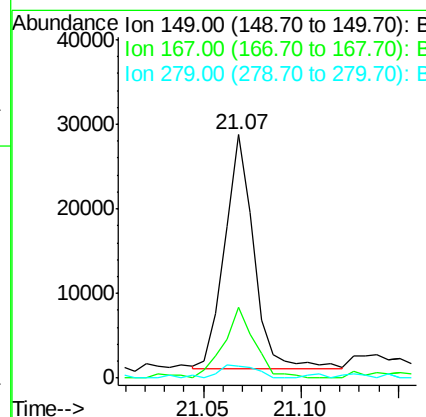
RT: 21.07 min Scan# 3074

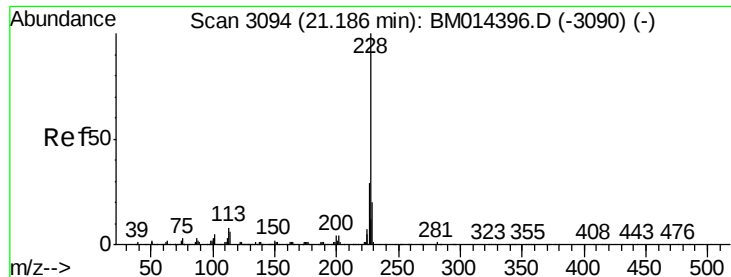
Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:	149	Resp:	28537
Ion Ratio	Lower	Upper	
149	100		
167	29.0	22.8	34.2
279	5.0	4.9	7.3





#82

Chrysene

Concen: 12.523 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

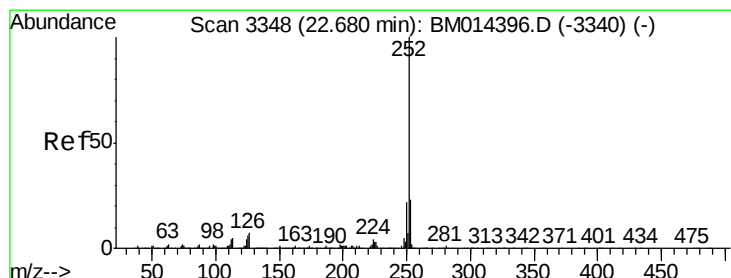
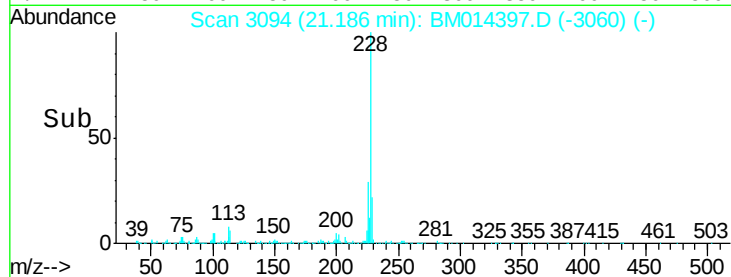
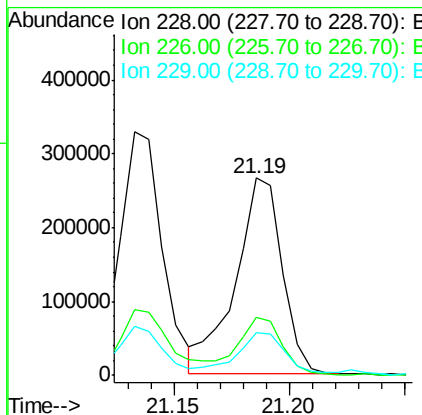
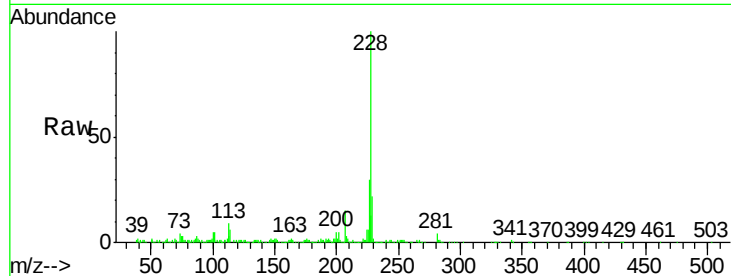
ClientSampled :

BE5X4DL

Tot Ion:	228	Resp:	373294
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.4	35.2
229	21.9	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 12.873 ng/ul

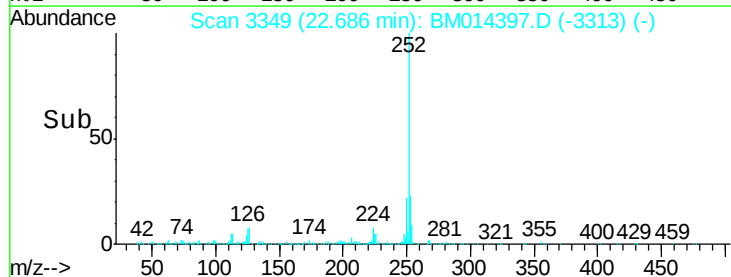
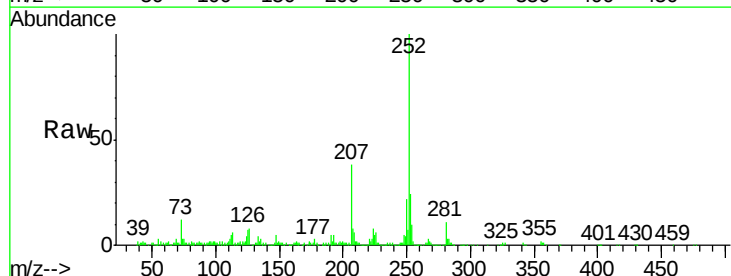
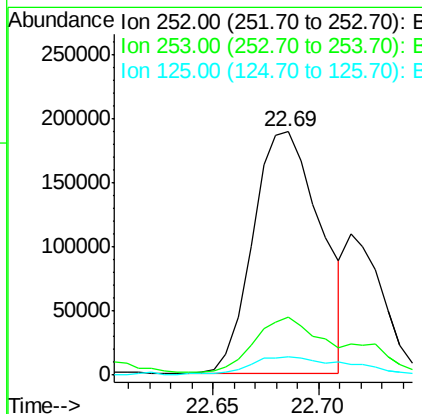
RT: 22.69 min Scan# 3349

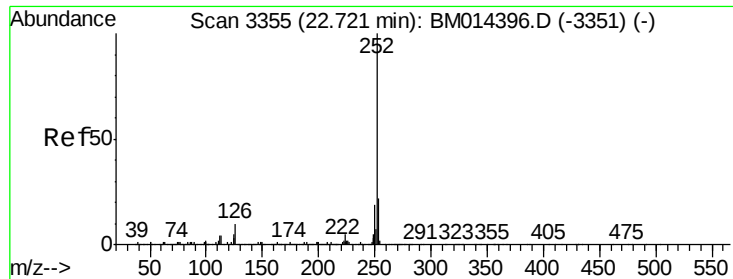
Delta R.T. 0.01 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Tgt Ion:	252	Resp:	420707
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	7.3	3.6	5.4#





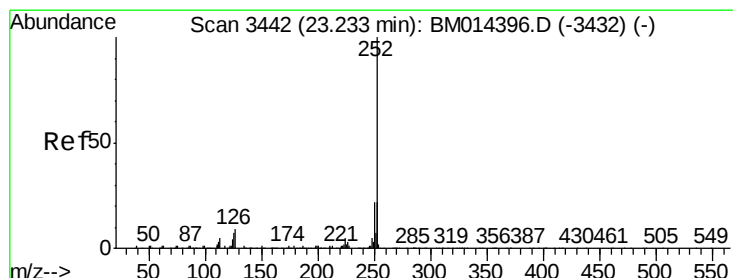
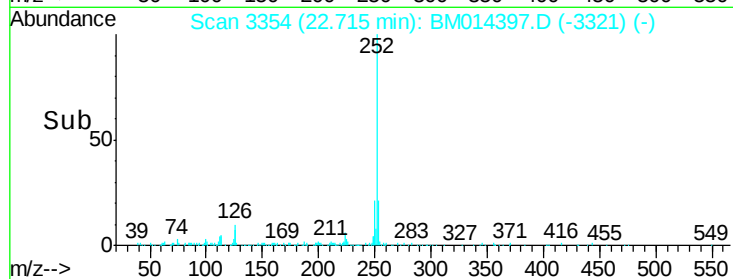
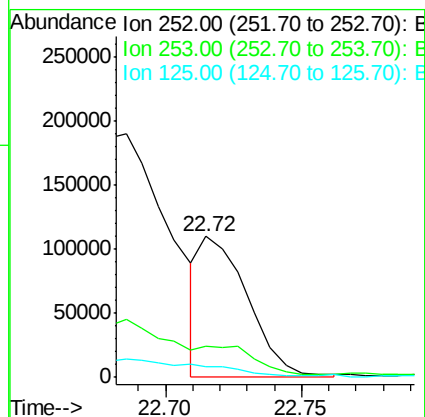
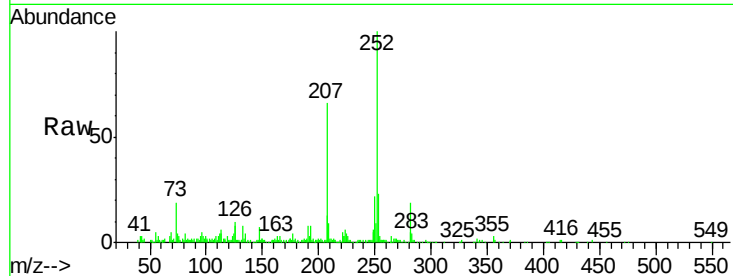
#86
Benzo(k)fluoranthene
Concen: 4.355 ng/ul m
RT: 22.72 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Instrument :
BNA_M
ClientSampled :
BE5X4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	8.0	3.4	5.2#

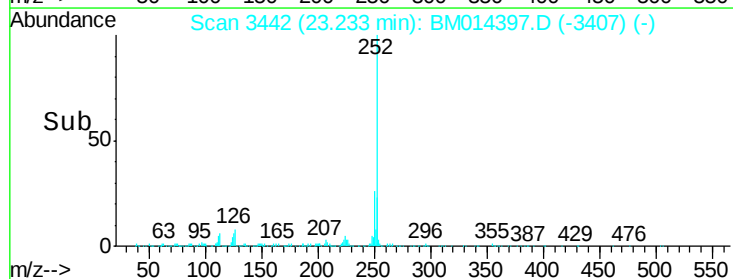
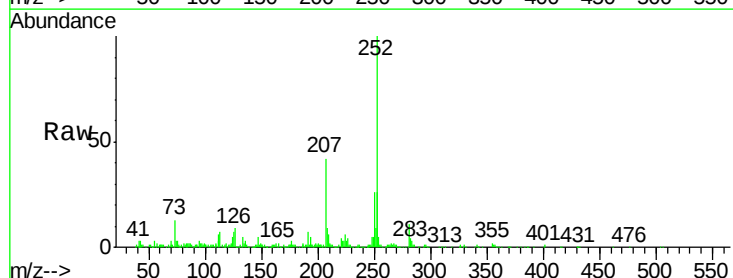
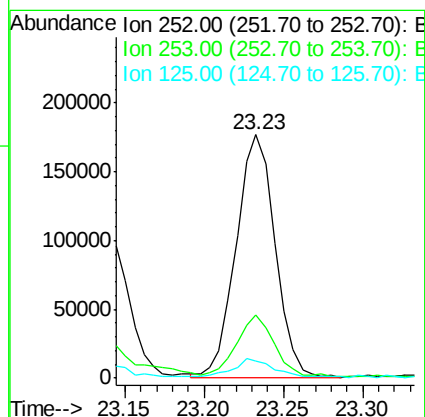
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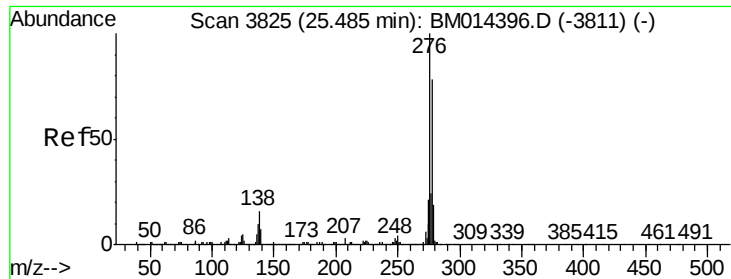
Sohil
3/1/2018 5:13:42 PM



#88
Benzo(a)pyrene
Concen: 10.290 ng/ul
RT: 23.23 min Scan# 3442
Delta R.T. 0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	6.9	4.0	6.0#





#89

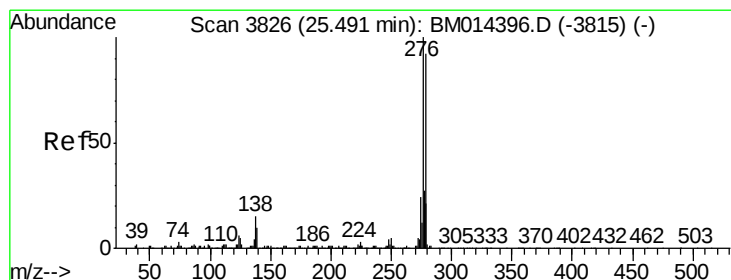
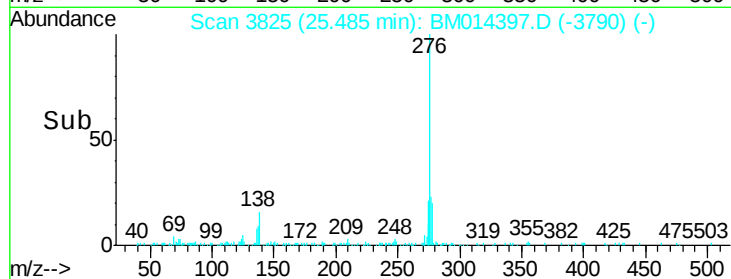
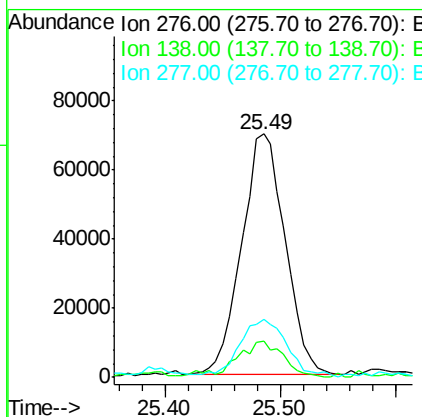
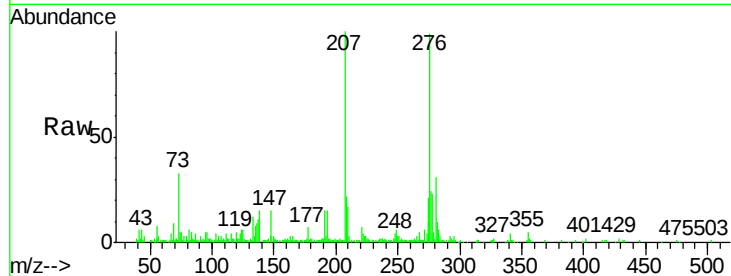
Indeno(1,2,3-cd)pyrene
Concen: 6.463 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. 0.01 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Instrument :
BNA_M
ClientSampleId :
BE5X4DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	183151		
138	14.9	9.3	13.9#	
277	24.0	19.9	29.9	

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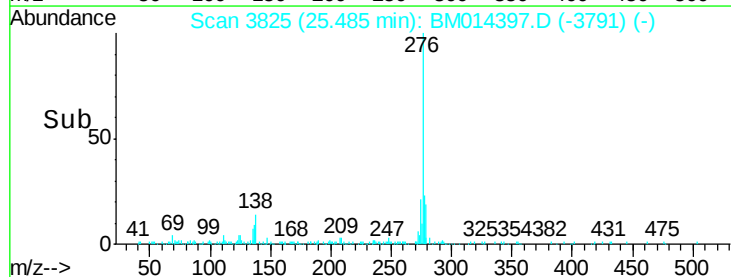
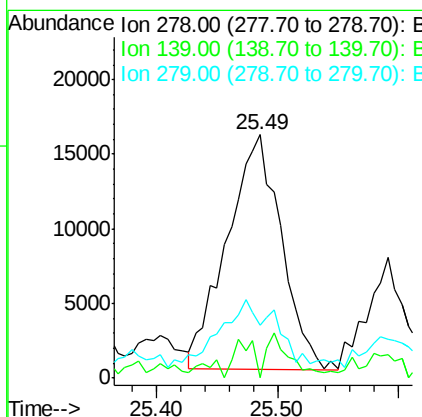
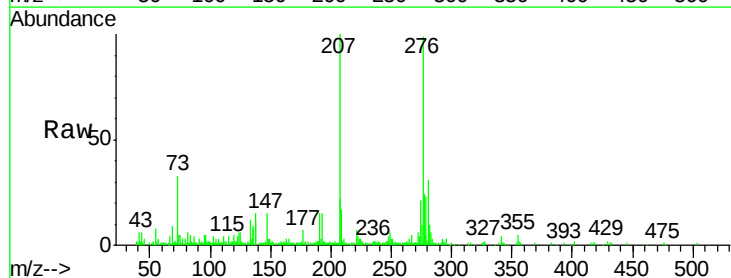
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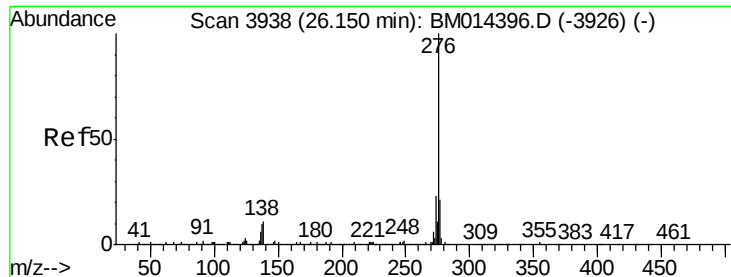


#90

Dibenzo(a,h)anthracene
Concen: 2.096 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. -0.00 min
Lab File: BM014397.D
Acq: 28 Feb 2018 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	49355		
139	0.0	5.8	8.8#	
279	21.8	18.6	27.8	





#91

Benzo(a,h,i)perylene

Concen: 5.694 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. -0.00 min

Lab File: BM014397.D

Acq: 28 Feb 2018 11:00

Instrument :

BNA_M

ClientSampleId :

BE5X4DL

Tot Ion:	276	Resp:	130712
Ion Ratio	Lower	Upper	
276	100		
138	11.8	8.5	12.7
277	24.9	18.6	28.0

Manual Integrations
APPROVED

Sohil
3/1/2018 5:13:42 PM

