

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014376.D
 Acq On : 27 Feb 2018 02:59
 Operator : SJ/JU
 Sample : J1646-09
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5X3

Manual Integrations
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Sohil
 2/27/2018 4:58:56 PM

Quant Time: Feb 27 07:37:31 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	167717	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	762864	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	432800	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	864579	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	584468	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	512546	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	19013m	4.85	ng/uL	0.00
5) Phenol-d5	6.73	99	449851	31.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	271042	31.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	364968	33.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	324435	26.16	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	189961	33.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	204811	35.10	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.94	165	383162	31.70	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	332351	27.91	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1227563	34.35	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1563741	35.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	115548	23.41	ng/ul	0.02
57) Fluorene-d10	15.19	176	996479	31.12	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.35	200	36767	7.09	ng/ul	0.02
70) Anthracene-d10	17.04	188	1377344	33.02	ng/ul	0.00
76) Pyrene-d10	19.36	212	1244082	41.27	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	836964	33.55	ng/ul	0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.35	128	140730	3.592	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	54111	1.814	ng/ul#	80
44) Dimethylphthalate	13.66	163	290421	8.240	ng/ul	98
47) Acenaphthylene	13.90	152	178992	4.297	ng/ul	93
49) Acenaphthene	14.25	153	215602	7.350	ng/ul	99
53) Dibenzofuran	14.59	168	207297	4.713	ng/ul	91
58) Fluorene	15.24	166	218070	5.743	ng/ul	98
69) Phenanthrene	16.99	178	4924204	98.853	ng/ul	99
71) Anthracene	17.08	178	722419	14.421	ng/ul	99
72) Carbazole	17.36	167	266376	6.324	ng/ul	98
74) Fluoranthene	19.03	202	5392492	90.609	ng/ul#	94
77) Pyrene	19.39	202	4697485	120.938	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1630009	44.686	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	37238	1.619	ng/ul	96
82) Chrysene	21.20	228	1578280	46.382	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1542022	44.932	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	516844m	15.840	ng/ul	
88) Benzo(a)pyrene	23.24	252	1159108	37.796	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	685503	23.035	ng/ul	97
90) Dibenzo(a,h)anthracene	25.49	278	187224	7.571	ng/ul#	80
91) Benzo(g,h,i)perylene	26.16	276	517294	21.458	ng/ul#	93

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BNA_M
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Manual Integrations
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Quant Title : SVOA CALIBRATION
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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

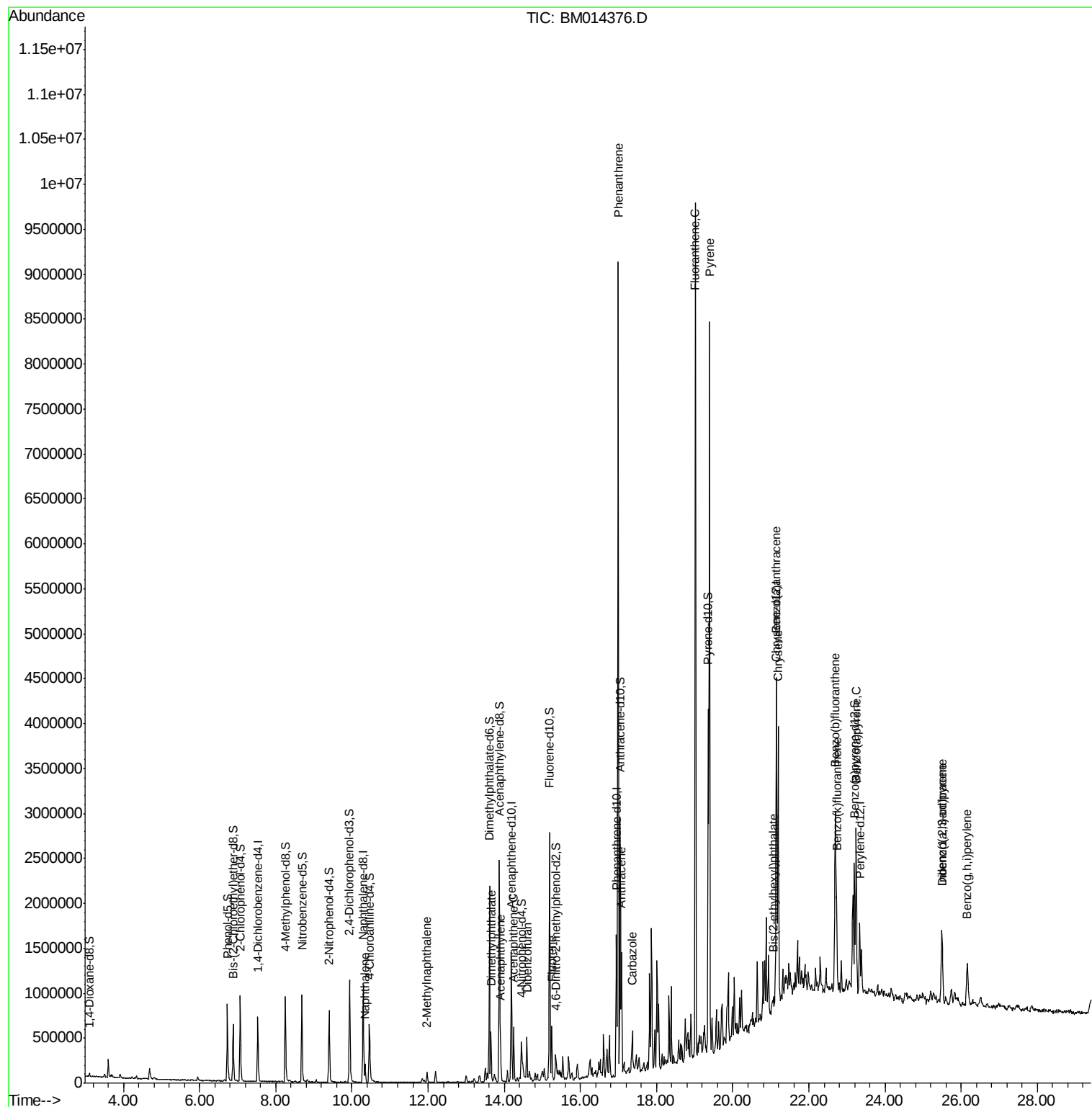
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014376.D
Acq On : 27 Feb 2018 02:59
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ALS Vial : 27 Sample Multiplier: 1

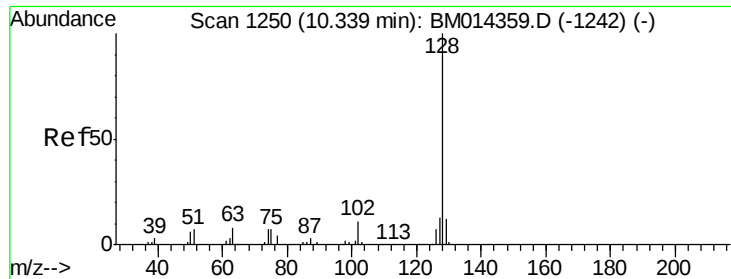
Instrument :
BNA_M
ClientSampleId :
BE5X3

Manual Integrations
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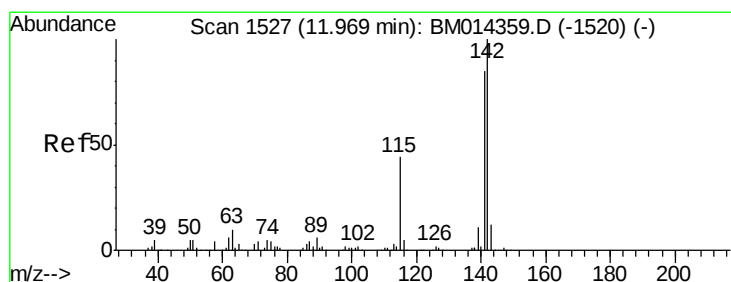
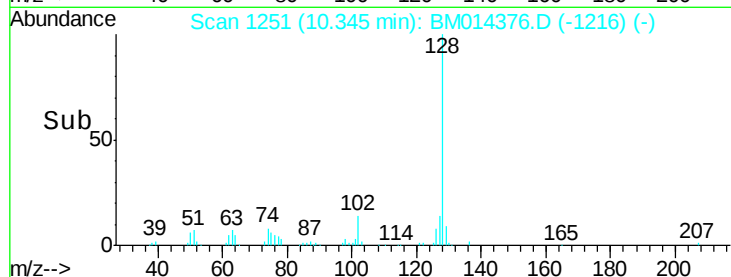
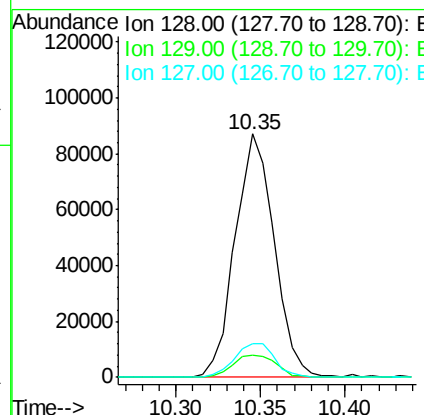
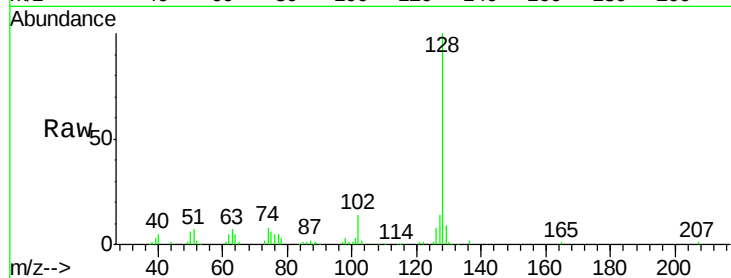
#28
Naphthalene
Concen: 3.592 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Instrument :
BNA_M
ClientSampleId :
BE5X3

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	140730		
129	9.3	8.8	13.2	
127	13.8	10.6	16.0	

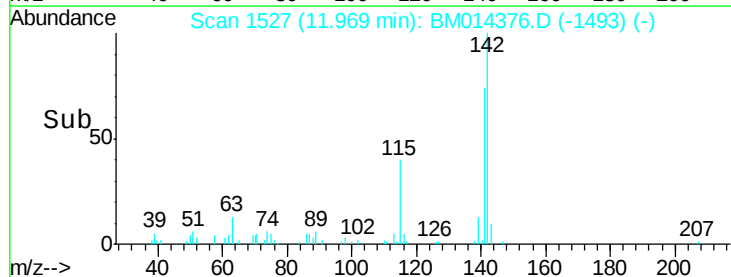
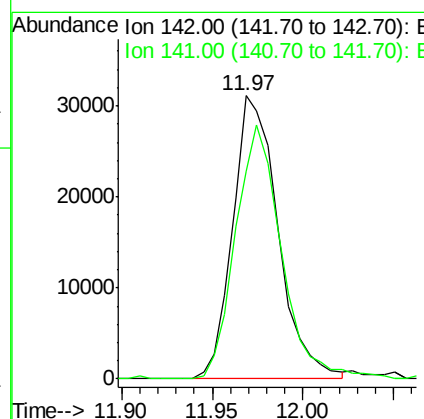
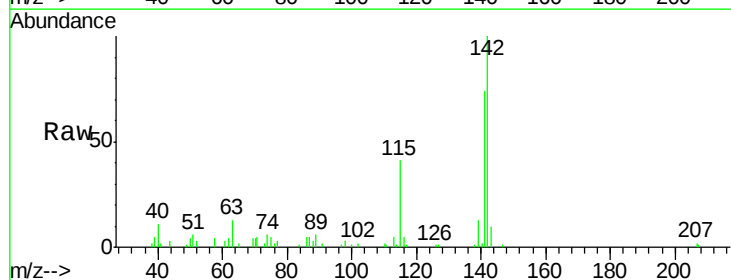
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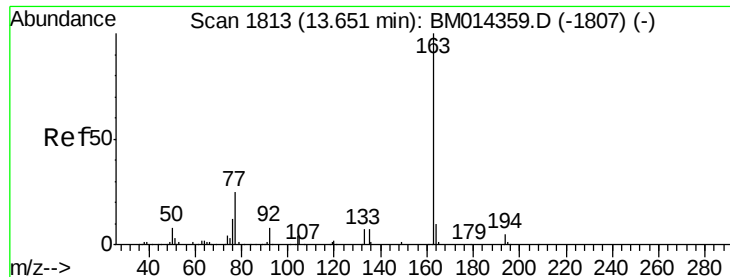
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#34
2-Methylnaphthalene
Concen: 1.814 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	54111		
141	73.6	74.1	111.1	#





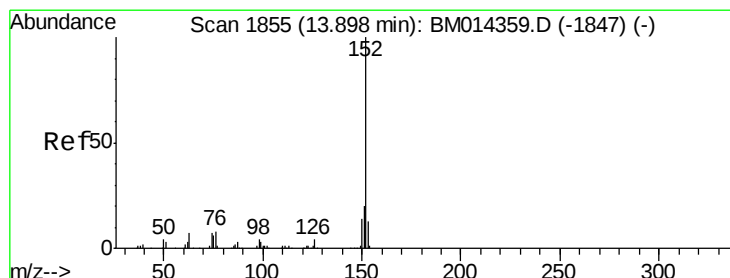
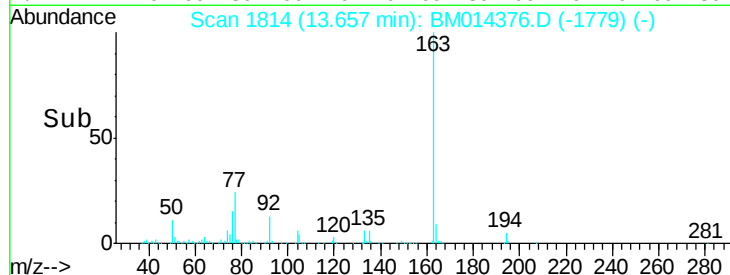
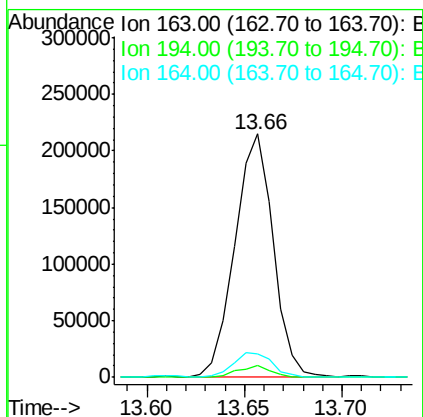
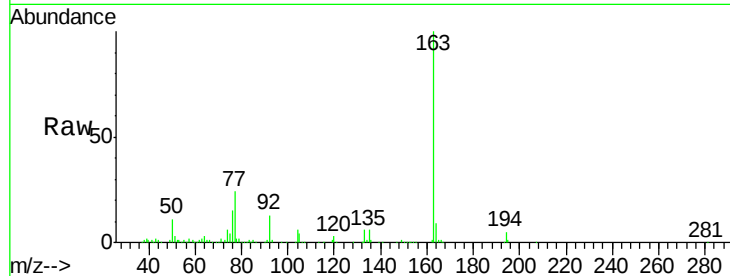
#44
Dimethylphthalate
Concen: 8.240 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Instrument :
BNA_M
ClientSampled :
BE5X3

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	290421		
194	4.7	3.5	5.3	
164	9.5	8.2	12.4	

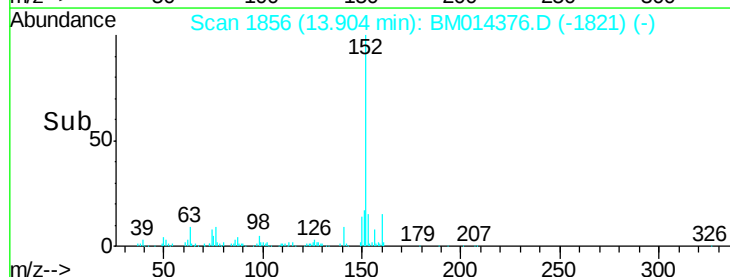
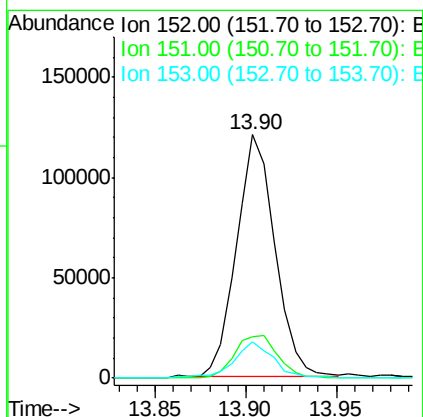
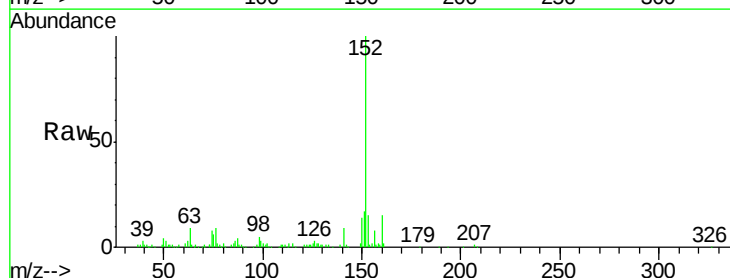
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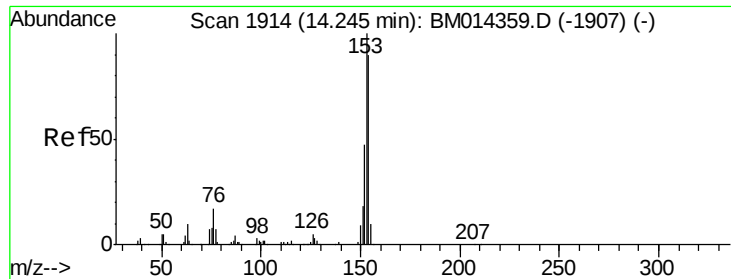
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#47
Acenaphthylene
Concen: 4.297 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	178992		
151	16.8	16.3	24.5	
153	15.0	10.2	15.4	





#49

Acenaphthene

Concen: 7.350 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

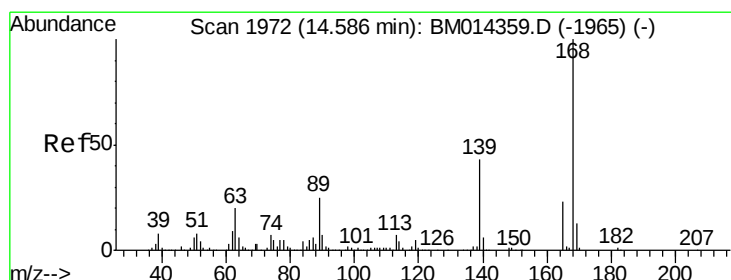
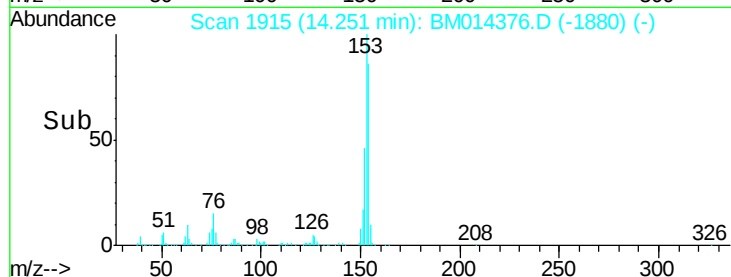
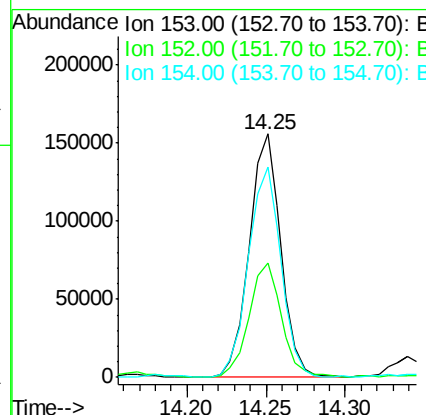
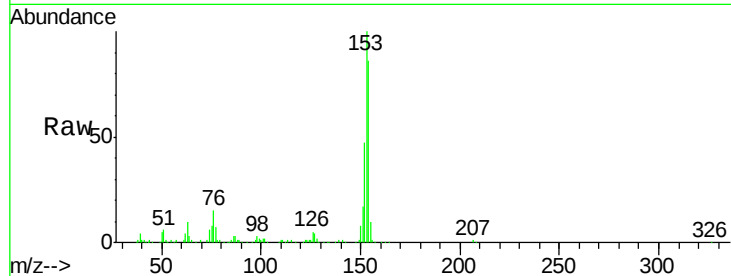
ClientSampled :

BE5X3

Tgt Ion:	153	Resp:	215602
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.6	56.4
154	86.2	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 4.713 ng/ul

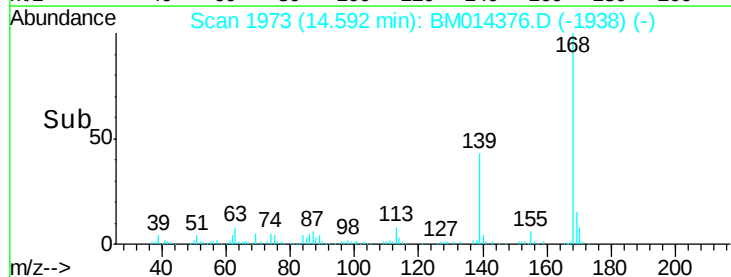
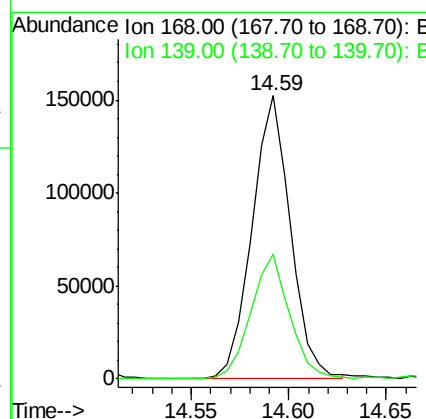
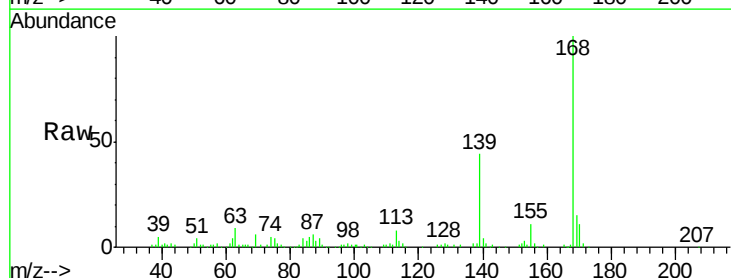
RT: 14.59 min Scan# 1973

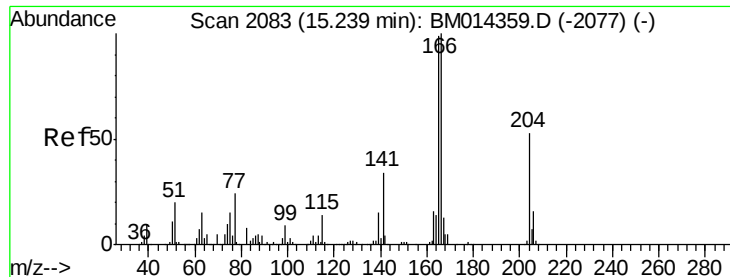
Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Tgt Ion:	168	Resp:	207297
Ion Ratio	Lower	Upper	
168	100		
139	44.0	30.8	46.2





#58

Fluorene

Concen: 5.743 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

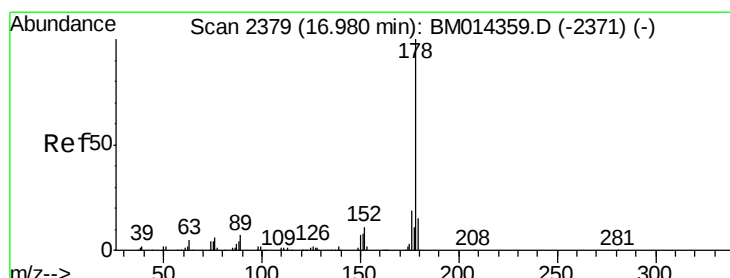
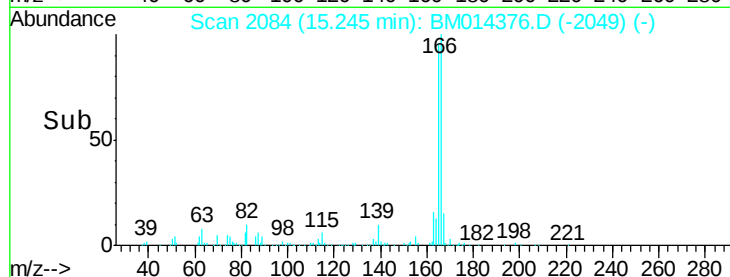
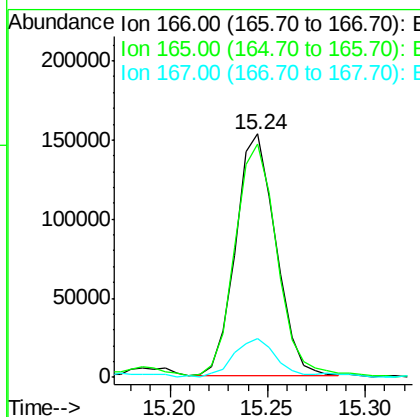
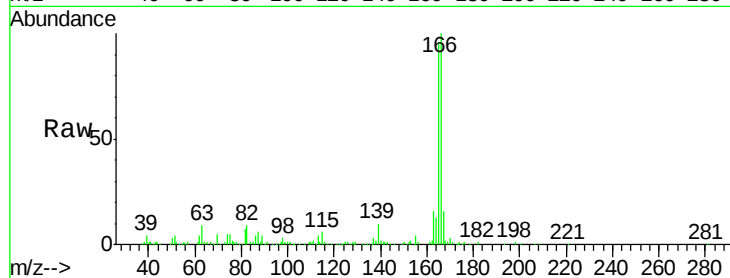
ClientSampleId :

BE5X3

Tgt Ion:	166	Resp:	218070
Ion Ratio	Lower	Upper	
166	100		
165	96.0	77.9	116.9
167	15.8	10.6	16.0

Manual Integrations
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#69

Phenanthrene

Concen: 98.853 ng/ul

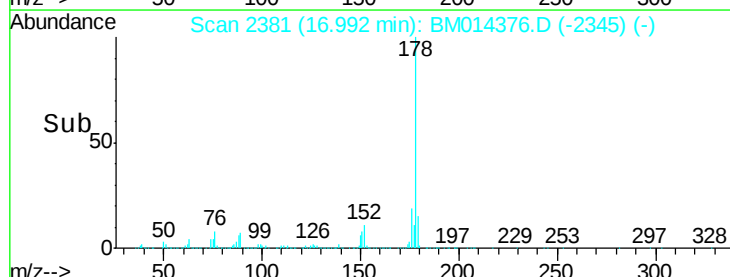
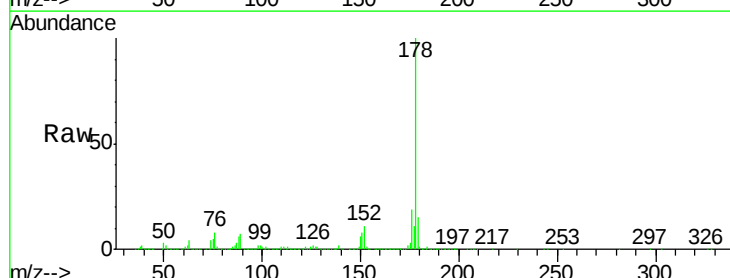
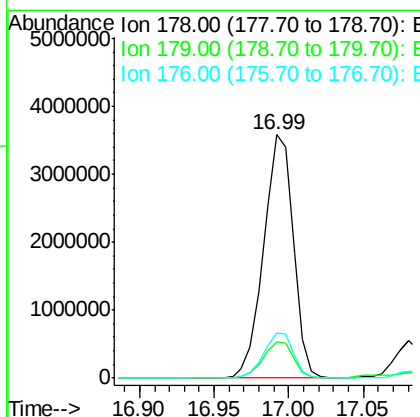
RT: 16.99 min Scan# 2381

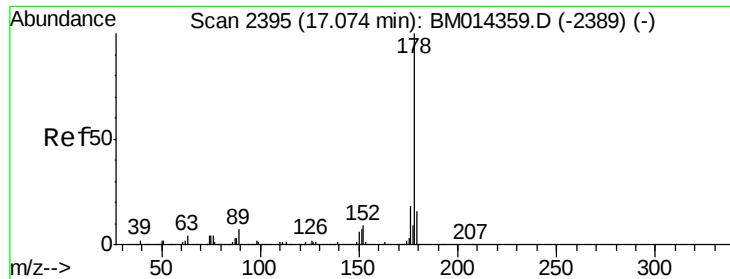
Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Tgt Ion:	178	Resp:	4924204
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.6	19.0
176	18.5	14.9	22.3





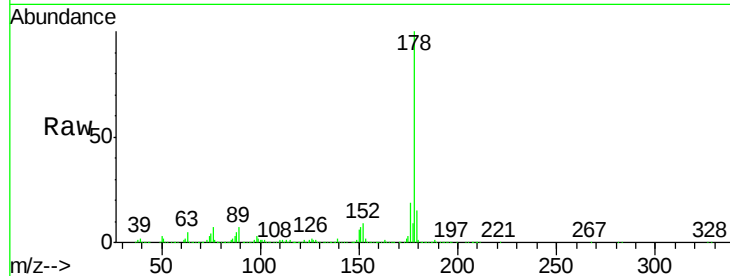
#71
 Anthracene
 Concen: 14.421 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	19.0	14.6	21.8

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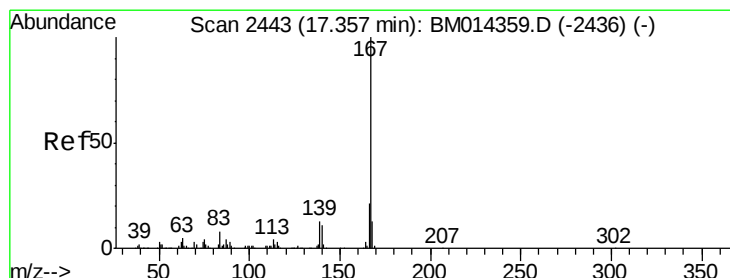
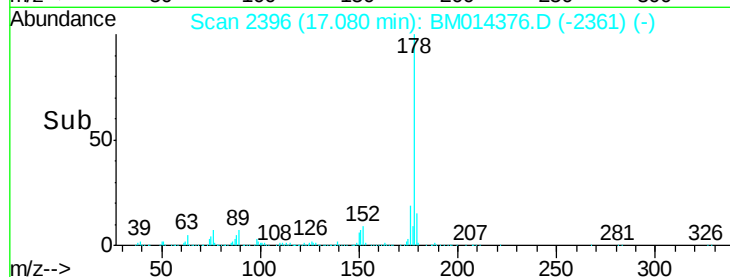
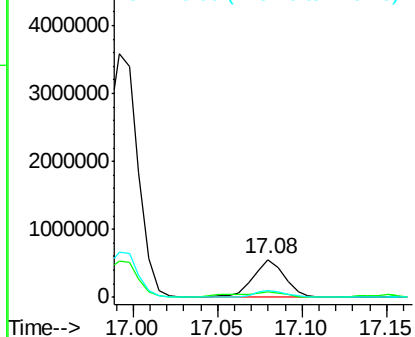


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72
 Carbazole
 Concen: 6.324 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

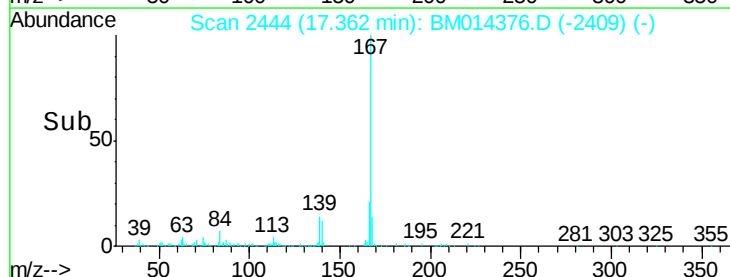
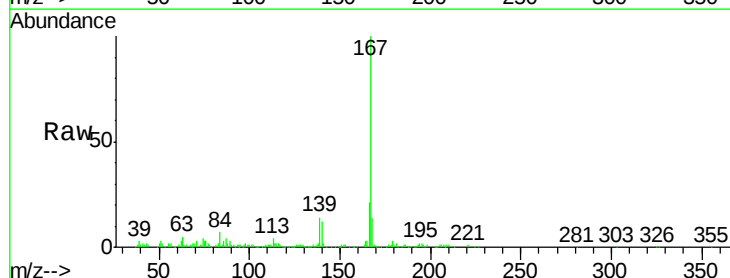
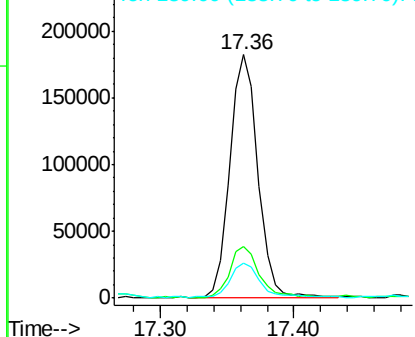
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	14.3	10.0	15.0

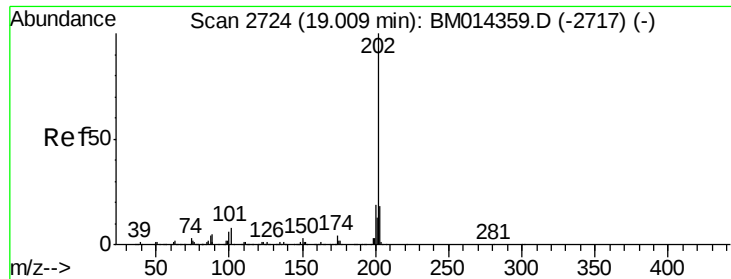
Abundance

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





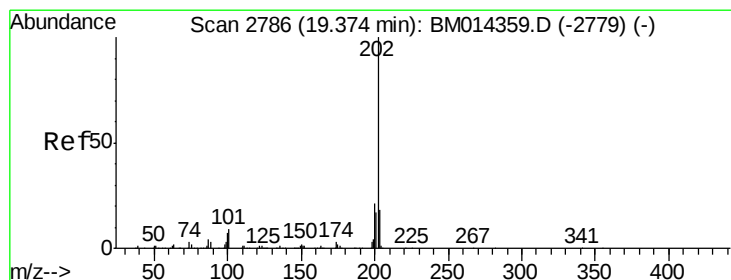
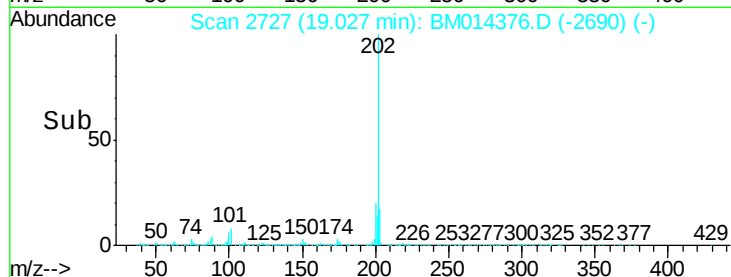
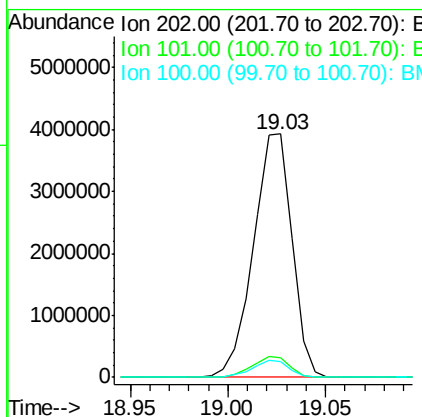
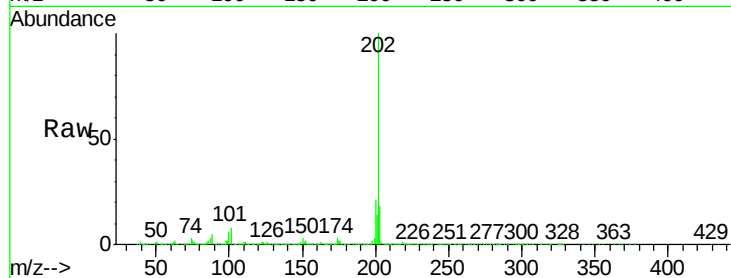
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 Fluoranthene
 Concen: 90.609 ng/u1
 RT: 19.03 min Scan# 2727
 Delta R.T. 0.02 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

Instrument :
 BNA_M
 ClientSampled :
 BE5X3

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	6.4	3.4	5.2#

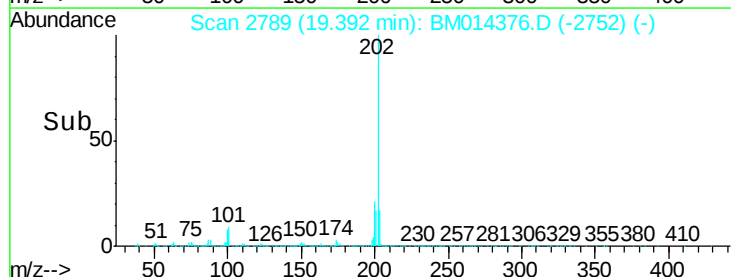
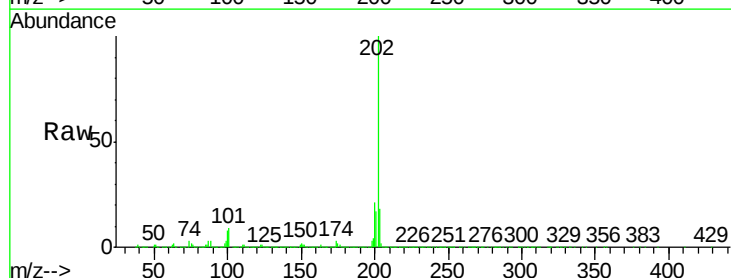
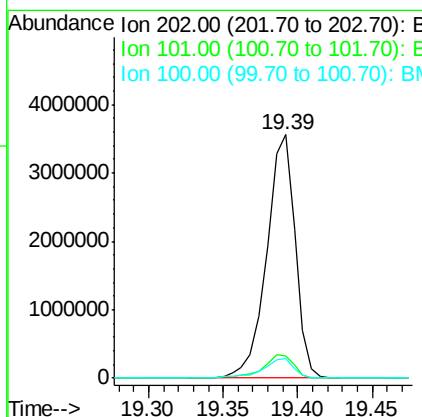
Manual Integrations
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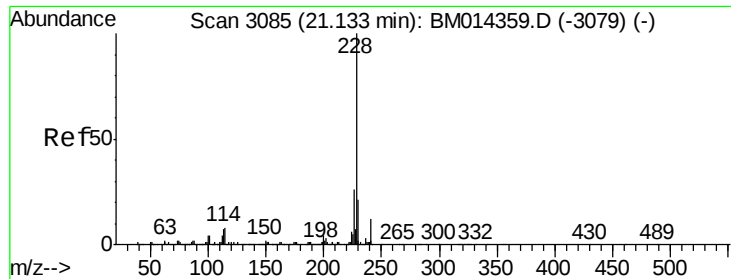
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#77
 Pyrene
 Concen: 120.938 ng/u1
 RT: 19.39 min Scan# 2789
 Delta R.T. 0.02 min
 Lab File: BM014376.D
 Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	5.1	7.7#
100	8.0	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 44.686 ng/u1

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

BE5X3

Tgt Ion:228 Resp: 1630009

Ion Ratio Lower Upper

228 100

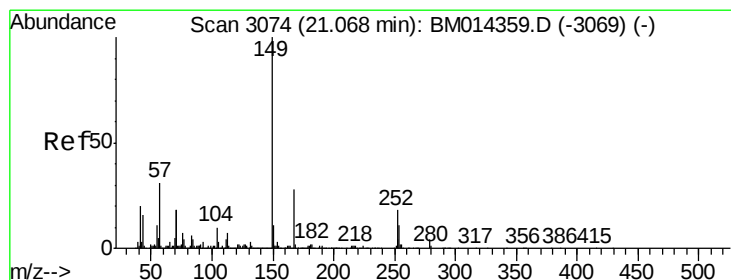
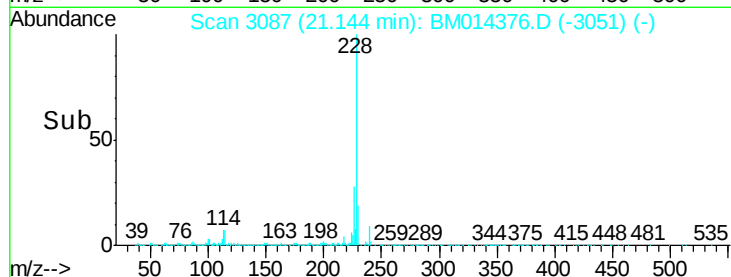
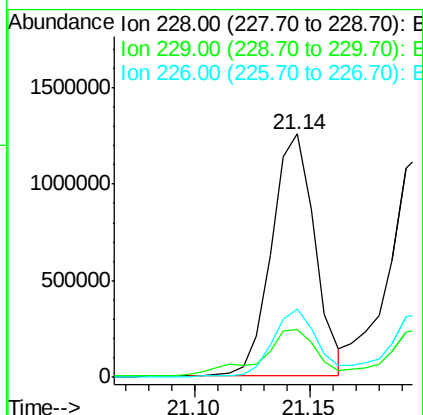
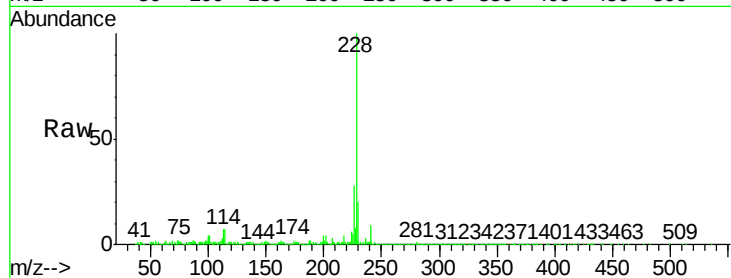
229 19.8 15.4 23.0

226 28.1 21.4 32.0

Manual Integrations
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Sohil

2/27/2018 4:58:56 PM



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.619 ng/u1

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

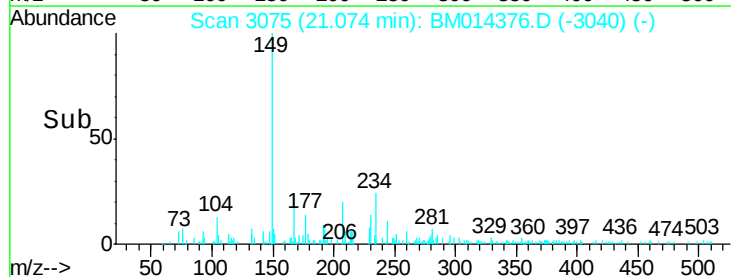
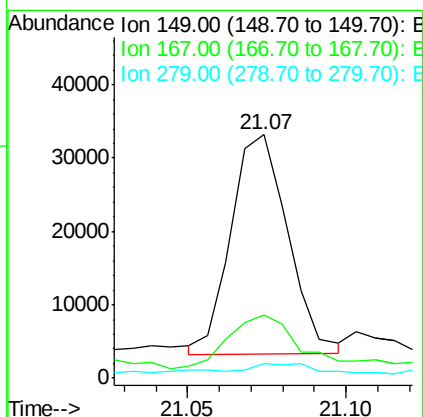
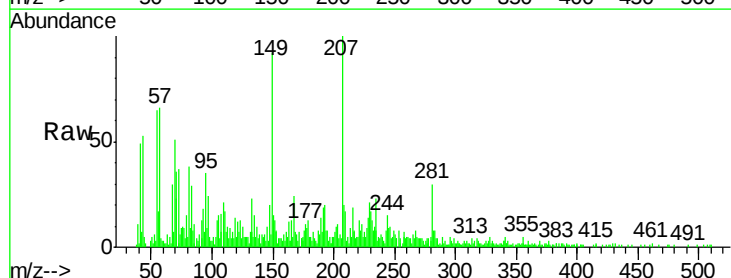
Tgt Ion:149 Resp: 37238

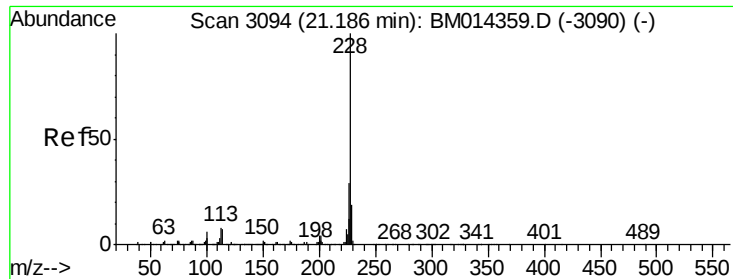
Ion Ratio Lower Upper

149 100

167 26.2 22.8 34.2

279 5.8 4.9 7.3





#82

Chrysene

Concen: 46.382 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

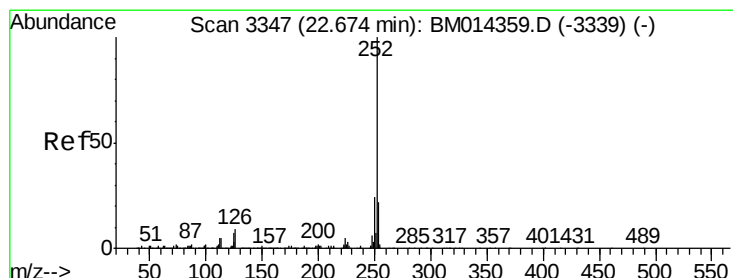
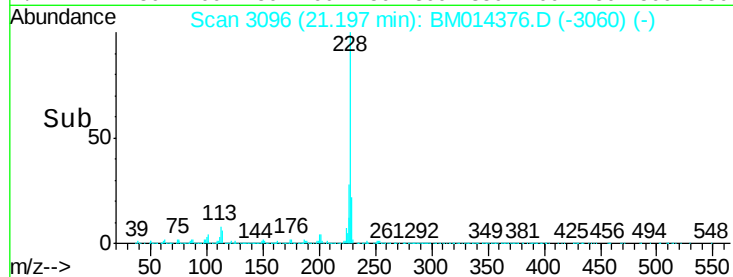
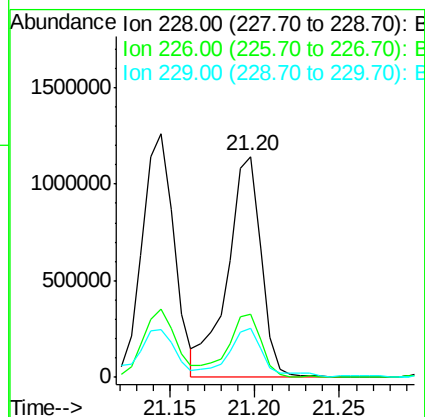
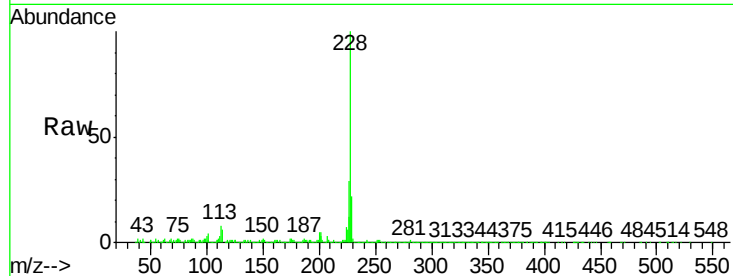
BE5X3

Tgt Ion:228 Resp: 1578280

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	22.3	15.5	23.3

Manual Integrations
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Sohil
2/27/2018 4:58:56 PM



#85

Benzo(b)fluoranthene

Concen: 44.932 ng/ul

RT: 22.69 min Scan# 3350

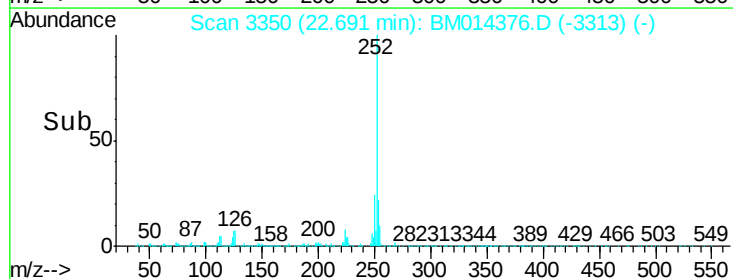
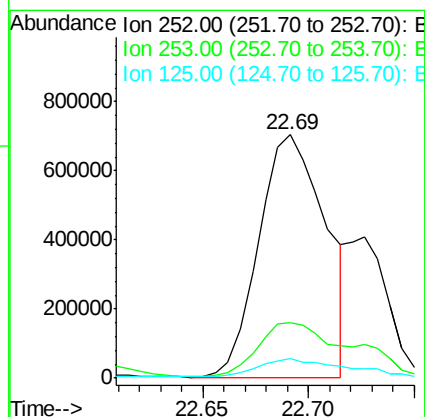
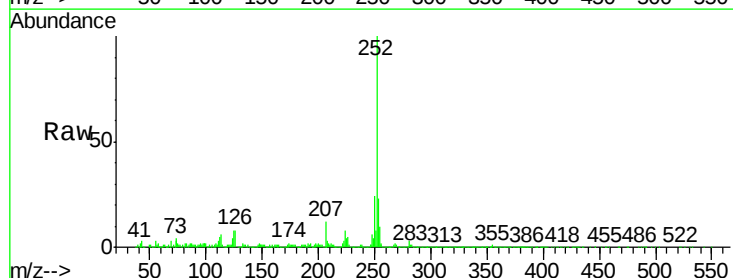
Delta R.T. 0.02 min

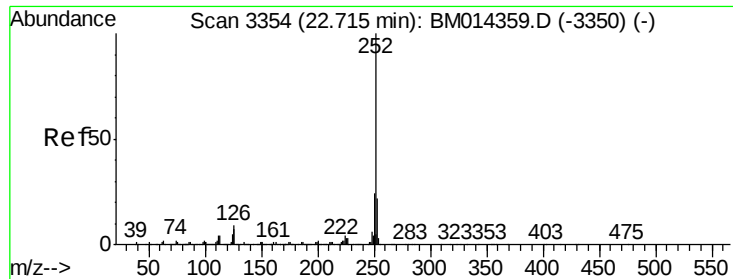
Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Tgt Ion:252 Resp: 1542022

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	7.9	3.6	5.4





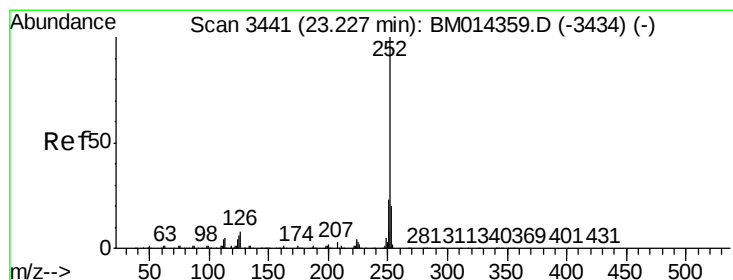
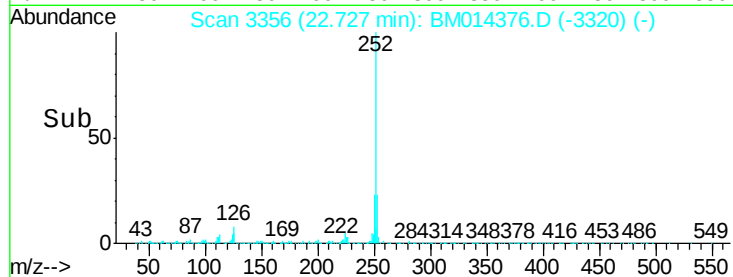
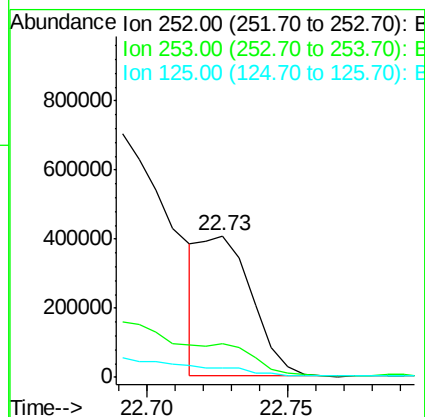
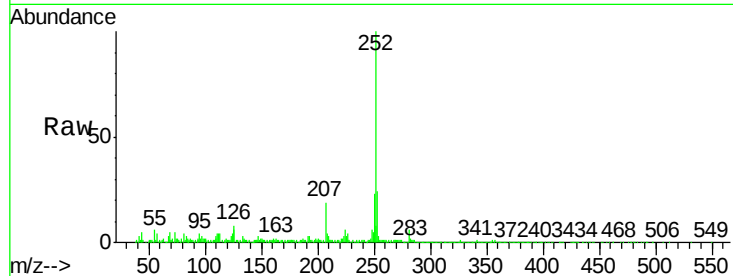
#86
Benzo(k)fluoranthene
Concen: 15.840 ng/ul m
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Instrument :
BNA_M
ClientSampled :
BE5X3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	6.5	3.4	5.2

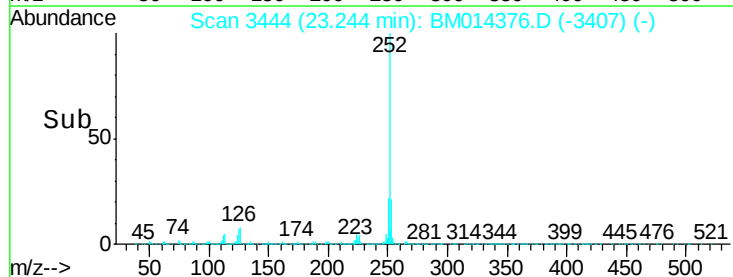
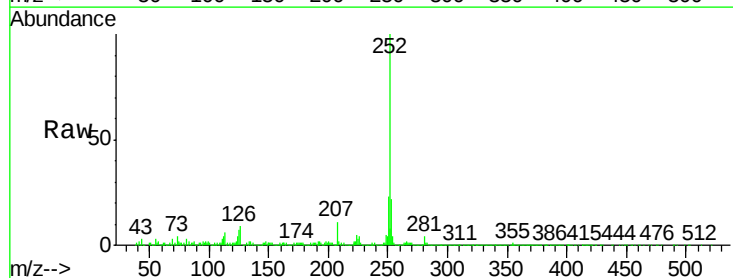
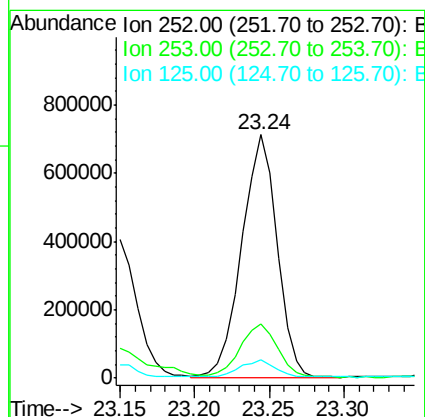
Manual Integrations
APPROVED

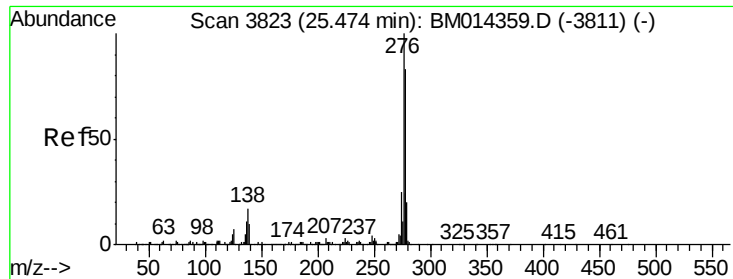
Sohil
2/27/2018 4:58:56 PM



#88
Benzo(a)pyrene
Concen: 37.796 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	7.3	4.0	6.0





#89

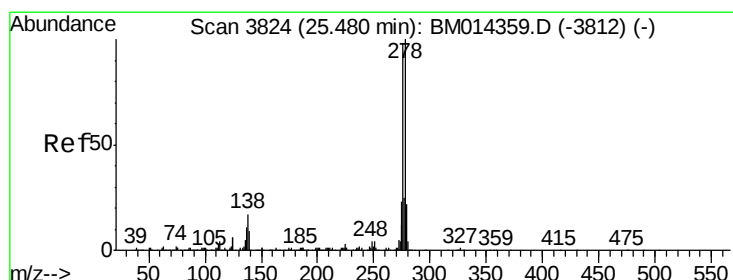
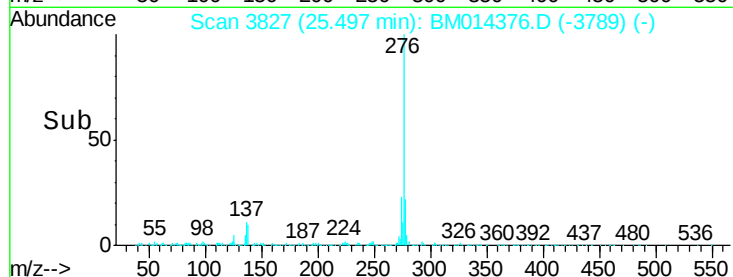
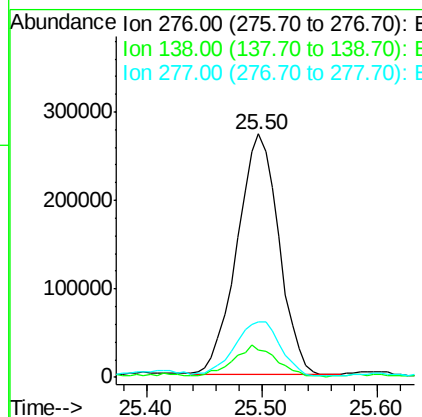
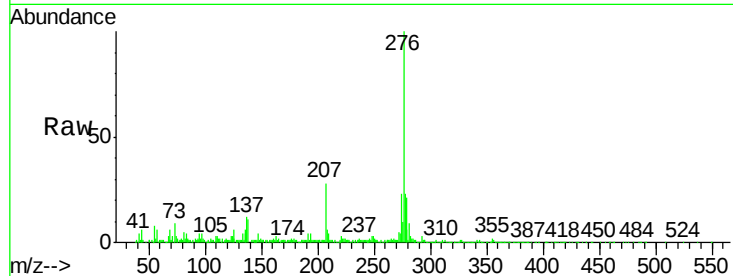
Indeno(1,2,3-cd)pyrene
Concen: 23.035 ng/u1
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Instrument :
BNA_M
ClientSampleId :
BE5X3

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	11.4	9.3	13.9
277	22.6	19.9	29.9

Manual Integrations
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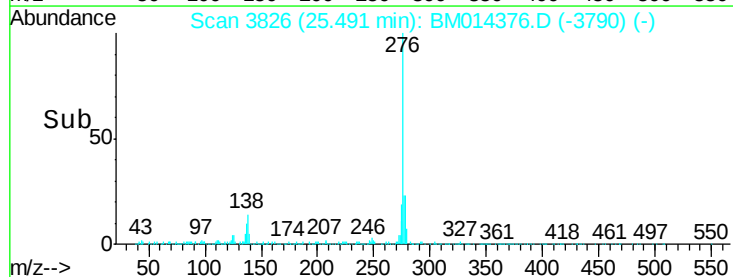
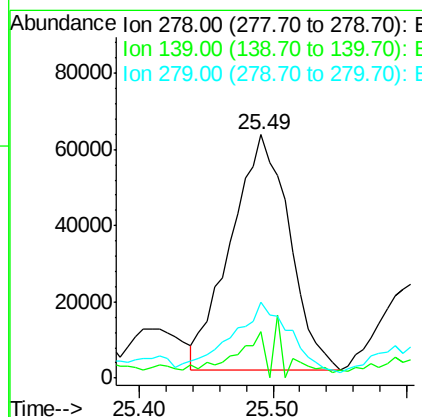
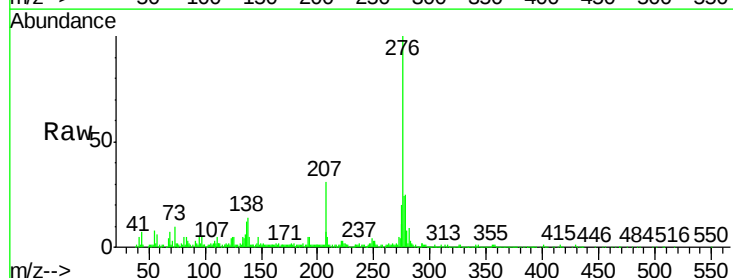
Sohil
2/27/2018 4:58:56 PM

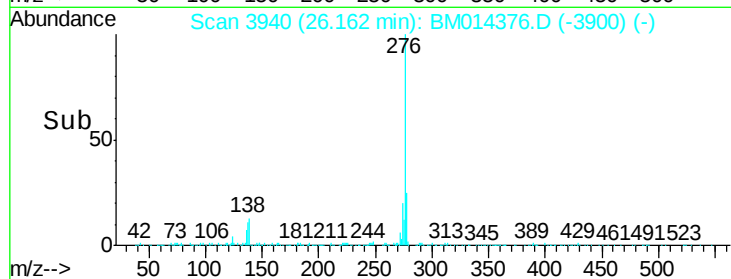
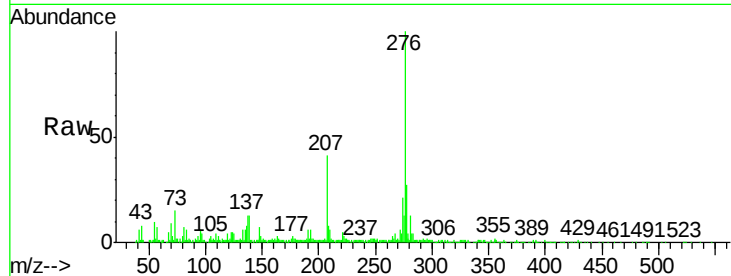
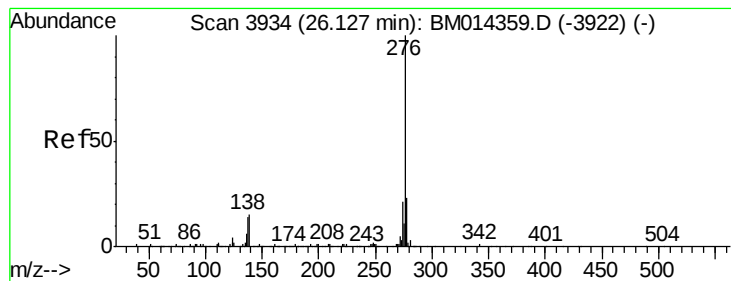


#90

Dibenzo(a,h)anthracene
Concen: 7.571 ng/u1
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014376.D
Acq: 27 Feb 2018 02:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	19.2	5.8	8.8#
279	30.9	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 21.458 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.04 min

Lab File: BM014376.D

Acq: 27 Feb 2018 02:59

Instrument :

BNA_M

ClientSampleId :

BE5X3

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	13.3	8.5	12.7#	
277	26.9	18.6	28.0	

Manual Integrations
APPROVED

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2/27/2018 4:58:56 PM

