

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
 Data File : BM017336.D
 Acq On : 25 Oct 2018 02:33
 Operator : MJ/SJ
 Sample : J5598-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD8

Manual Integrations
 APPROVED

Sohil
 10/25/2018 3:34:28 PM

Quant Time: Oct 25 08:32:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 25 02:39:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	371528	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1652617	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	953576	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	2190721	20.00	ng/ul	0.00
78) Chrysene-d12	21.26	240	2166129	20.00	ng/ul	0.01
86) Perylene-d12	23.48	264	1963046m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	21378	2.65	ng/uL	0.00
5) Phenol-d5	6.83	99	573768	16.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	330216	16.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	472220	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	458108	17.07	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	234117	18.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	266993	18.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	480763	17.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	402723	18.34	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1467480	17.95	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1856806	18.70	ng/ul	0.00
52) 4-Nitrophenol-d4	14.53	143	234649	15.36	ng/ul	0.01
58) Fluorene-d10	15.29	176	1307514	18.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	234509	15.36	ng/ul	0.00
71) Anthracene-d10	17.15	188	2045977	18.87	ng/ul	0.00
79) Pyrene-d10	19.45	212	2298026	22.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.34	264	1912545	18.45	ng/ul	0.03

Target Compounds

					Qvalue
6) Phenol	6.86	94	182470	5.415 ng/ul	96
28) Naphthalene	10.48	128	603570	6.981 ng/ul	100
34) 2-Methylnaphthalene	12.10	142	185587	2.921 ng/ul	100
45) Dimethylphthalate	13.76	163	376781	4.756 ng/ul	99
48) Acenaphthylene	14.02	152	2797332	30.019 ng/ul	99
50) Acenaphthene	14.36	153	103073	1.545 ng/ul	94
54) Dibenzofuran	14.70	168	527209	5.578 ng/ul	97
59) Fluorene	15.35	166	188997	2.426 ng/ul#	98
70) Phenanthrene	17.09	178	2158567	17.159 ng/ul	100
72) Anthracene	17.19	178	6043944	47.303 ng/ul	99
75) Carbazole	17.46	167	1398600	12.519 ng/ul	99
77) Fluoranthene	19.12	202	15503747m	107.517 ng/ul	
80) Pyrene	19.49	202	18557566m	147.533 ng/ul	
83) Benzo(a)anthracene	21.24	228	12786058	96.458 ng/ul#	89
85) Chrysene	21.30	228	16990504m	134.795 ng/ul	
88) Benzo(b)fluoranthene	22.83	252	29554461m	257.201 ng/ul	
89) Benzo(k)fluoranthene	22.87	252	10796723m	96.190 ng/ul	
91) Benzo(a)pyrene	23.40	252	13565938m	120.846 ng/ul	
92) Indeno(1,2,3-cd)pyrene	25.72	276	12856573m	94.128 ng/ul	
93) Dibenzo(a,h)anthracene	25.72	278	3225136m	28.277 ng/ul	
94) Benzo(g,h,i)perylene	26.40	276	10664123m	91.905 ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

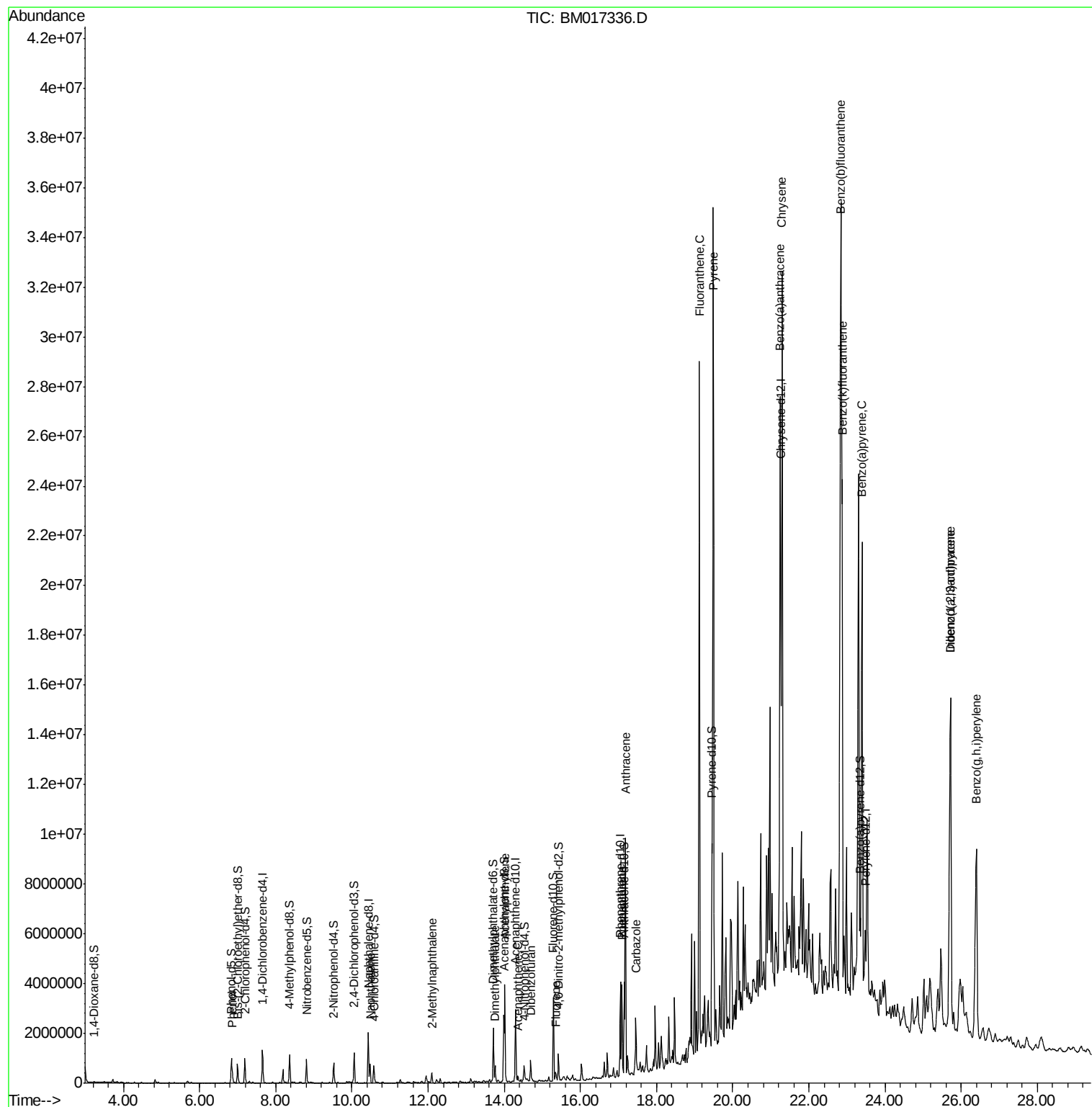
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
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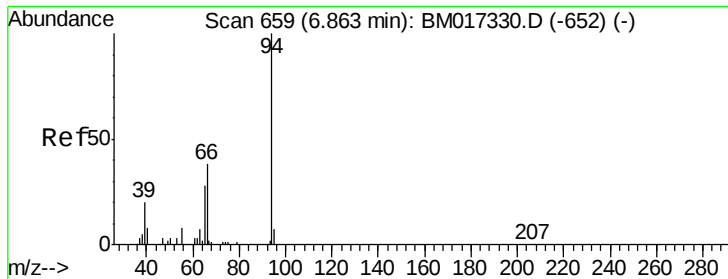
Instrument :
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#6

Phenol

Concen: 5.415 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

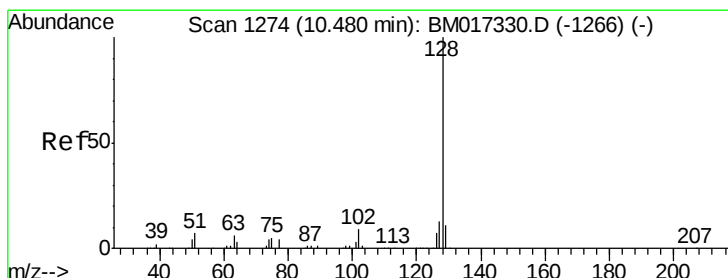
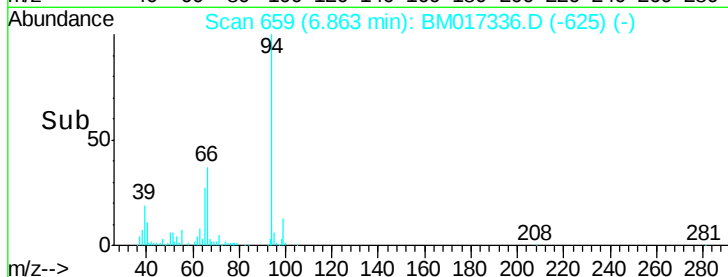
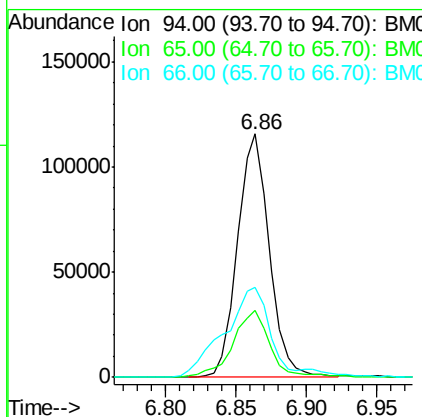
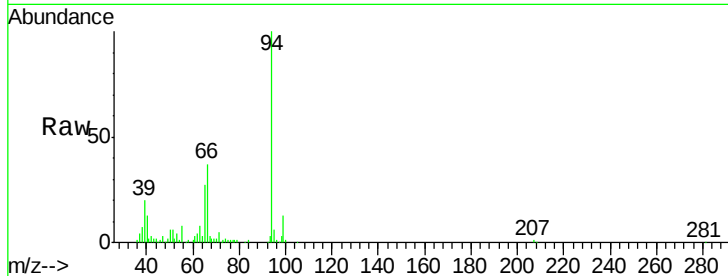
ClientSampleId :

C0AD8

Tgt Ion:	94	Resp:	182470
Ion Ratio		Lower	Upper
94	100		
65	27.3	24.0	36.0
66	37.0	31.1	46.7

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#28

Naphthalene

Concen: 6.981 ng/ul

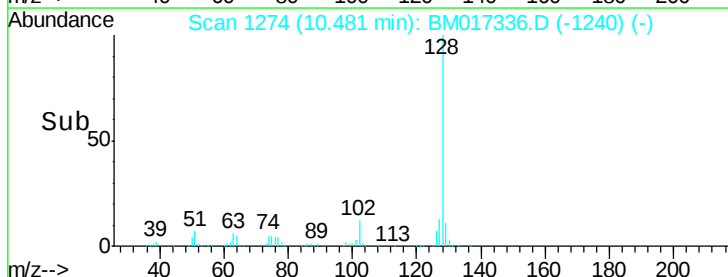
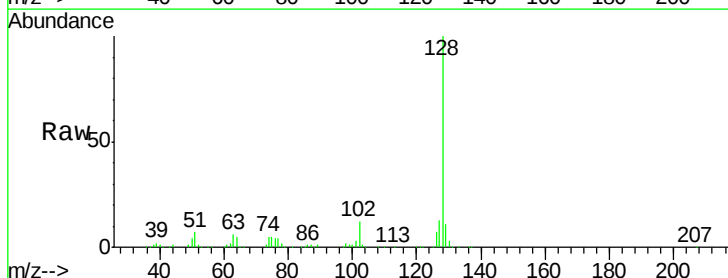
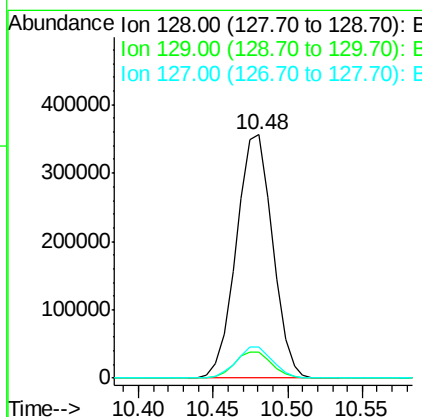
RT: 10.48 min Scan# 1274

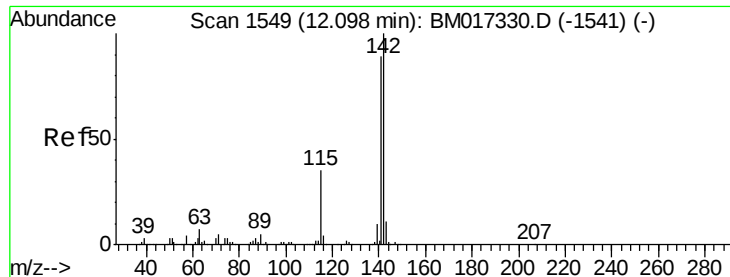
Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Tgt Ion:	128	Resp:	603570
Ion Ratio		Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.9	10.3	15.5





#34

2-Methylnaphthalene

Concen: 2.921 ng/ul

RT: 12.10 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

ClientSampleId :

C0AD8

Tgt Ion:142 Resp: 185587

Ion Ratio Lower Upper

142 100

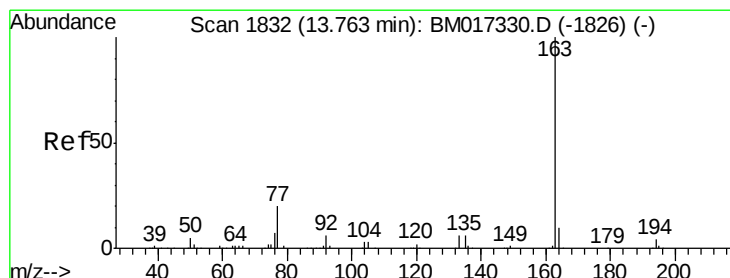
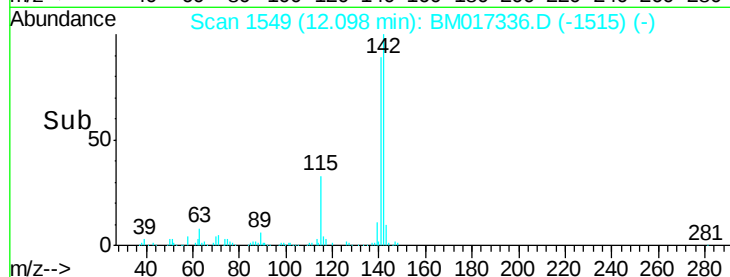
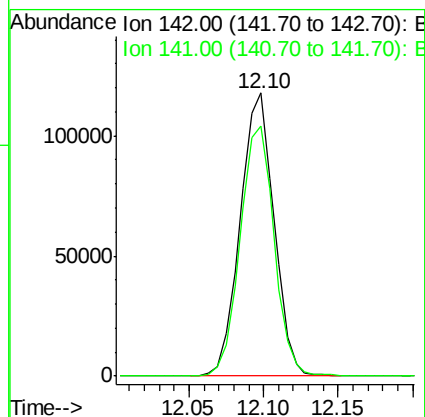
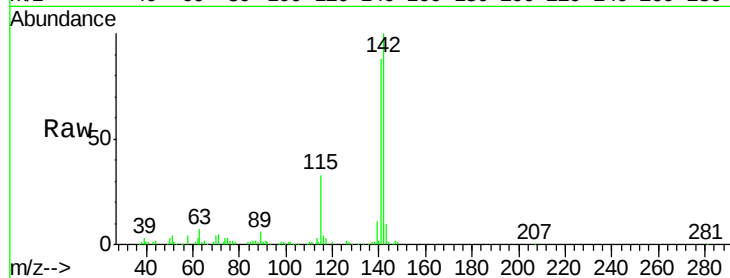
141 88.3 70.4 105.6

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#45

Dimethylphthalate

Concen: 4.756 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

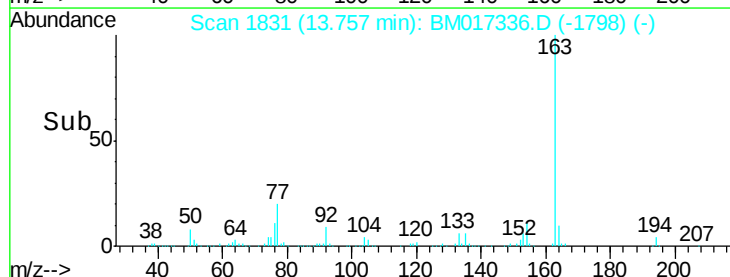
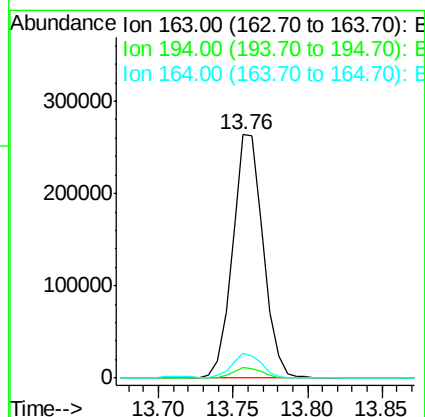
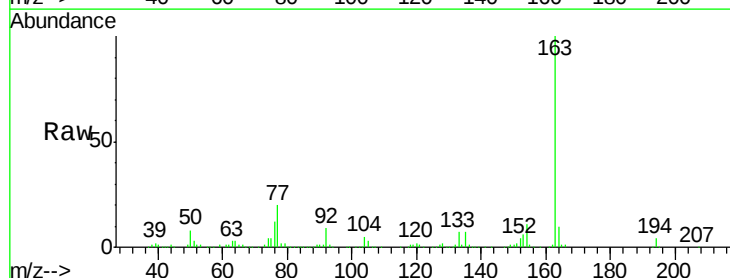
Tgt Ion:163 Resp: 376781

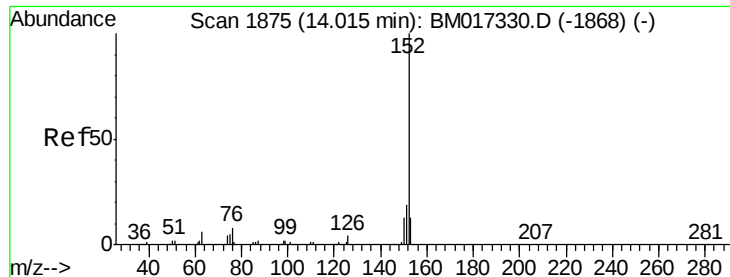
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.3 8.1 12.1





#48

Acenaphthylene

Concen: 30.019 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

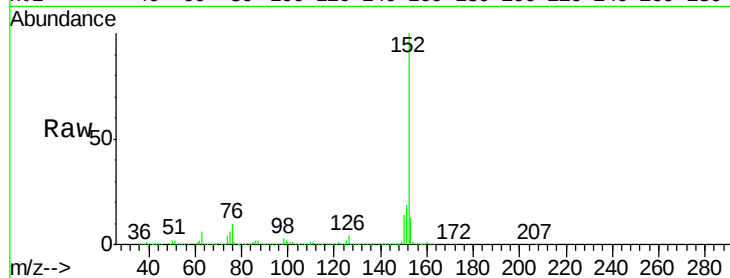
ClientSampleId :

C0AD8

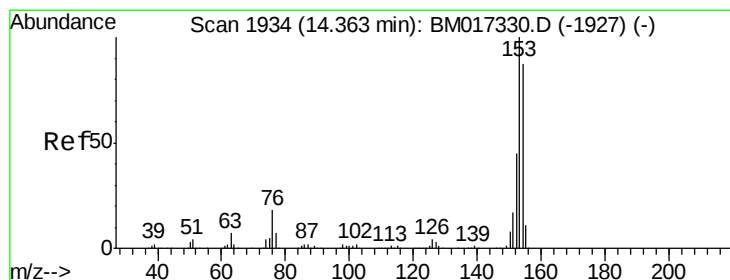
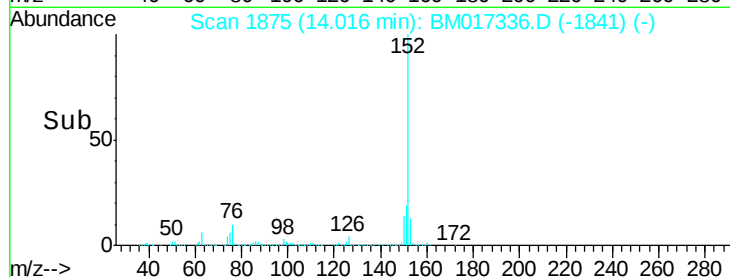
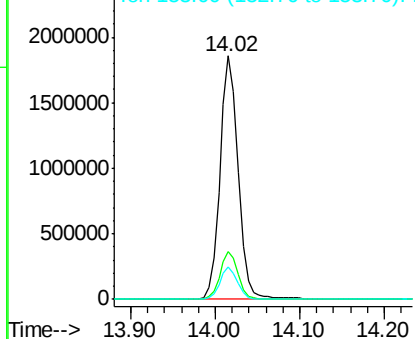
Tgt Ion:	152	Resp:	2797332
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9
153	13.2	10.2	15.4

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 1.545 ng/ul

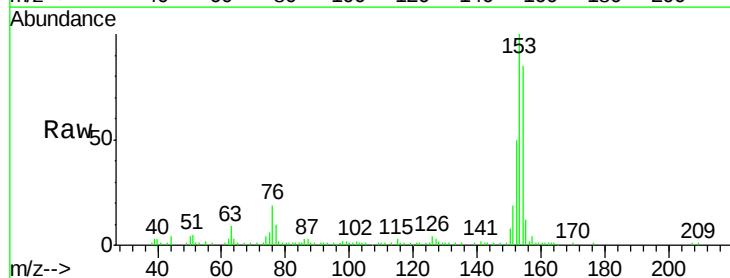
RT: 14.36 min Scan# 1933

Delta R.T. -0.01 min

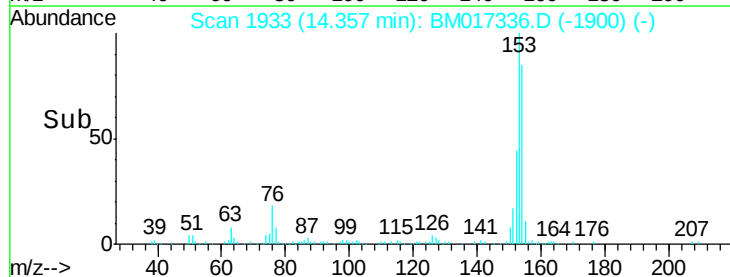
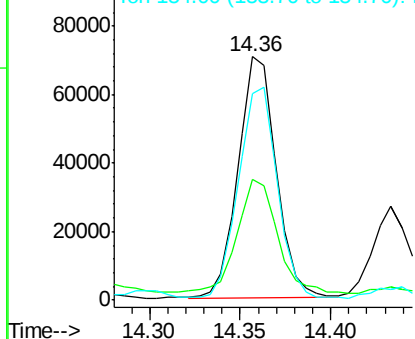
Lab File: BM017336.D

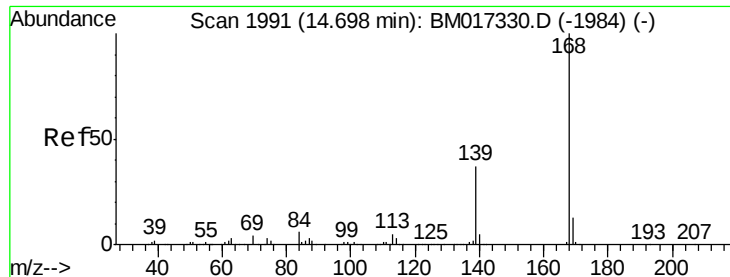
Acq: 25 Oct 2018 02:33

Tgt Ion:	153	Resp:	103073
Ion	Ratio	Lower	Upper
153	100		
152	49.8	36.9	55.3
154	85.1	72.2	108.4



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





#54

Dibenzenofuran

Concen: 5.578 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

ClientSampleId :

C0AD8

Tgt Ion:168 Resp: 527209

Ion Ratio Lower Upper

168 100

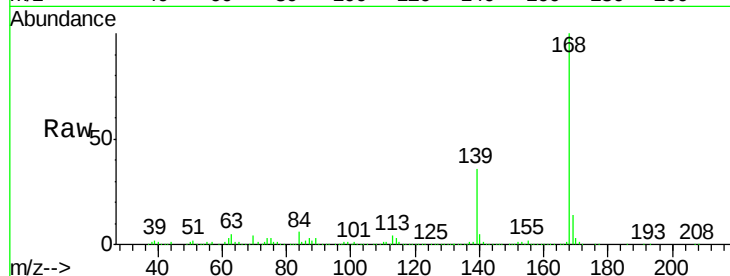
139 35.9 30.1 45.1

Manual Integrations

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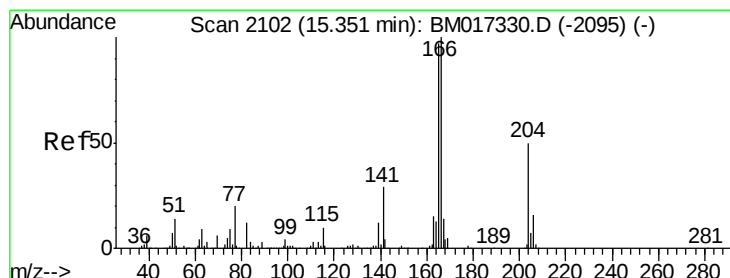
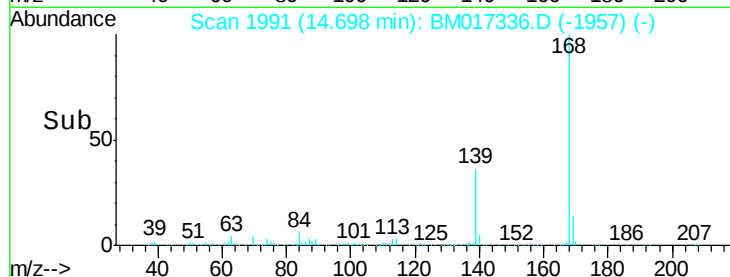
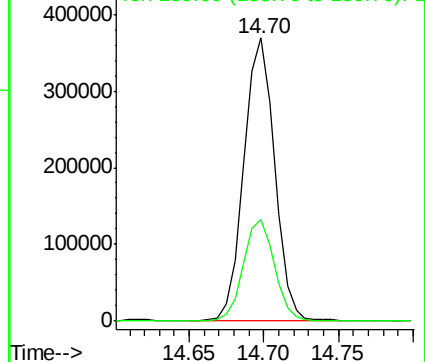
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.426 ng/ul

RT: 15.35 min Scan# 2102

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

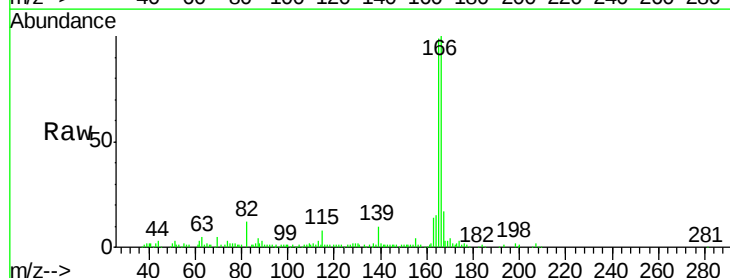
Tgt Ion:166 Resp: 188997

Ion Ratio Lower Upper

166 100

165 98.6 77.5 116.3

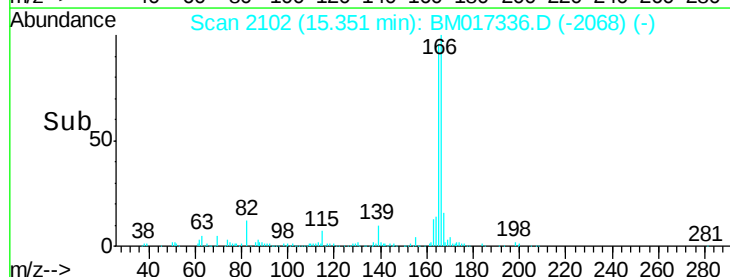
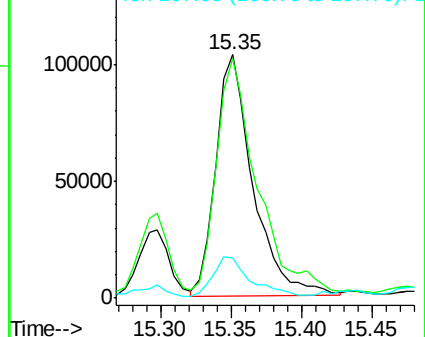
167 16.6 10.8 16.2#

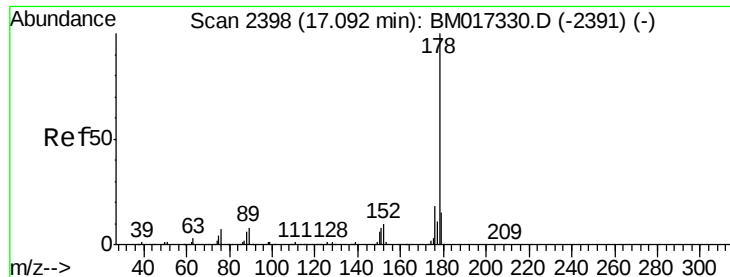


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 17.159 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

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ClientSampleId :

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Tgt Ion:178 Resp: 2158567

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

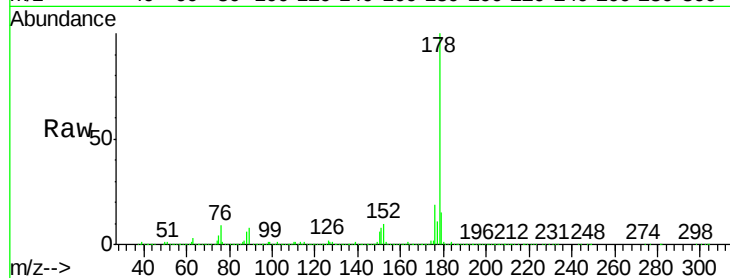
176 18.8 14.9 22.3

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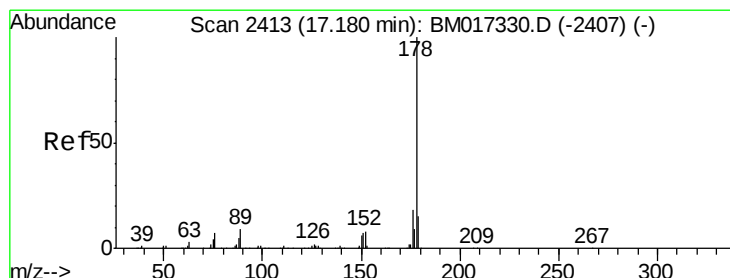
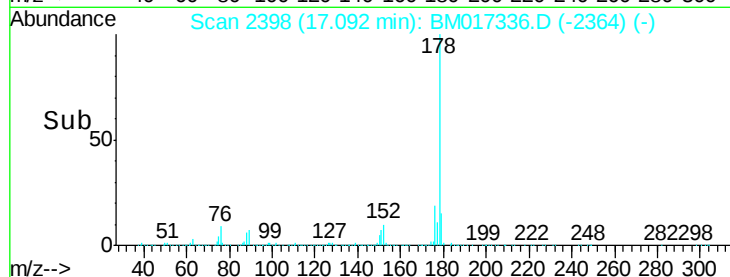
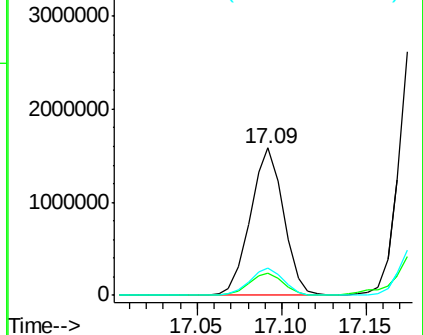
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 47.303 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

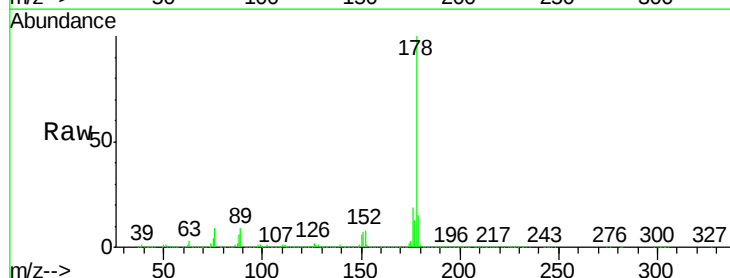
Tgt Ion:178 Resp: 6043944

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

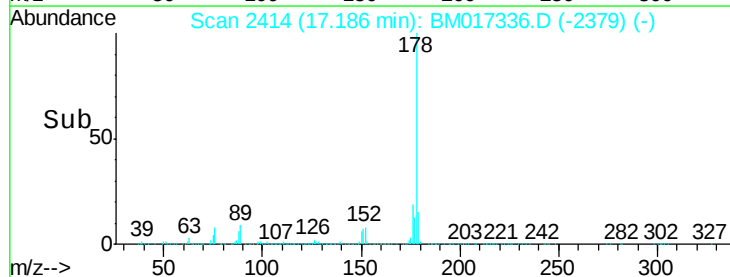
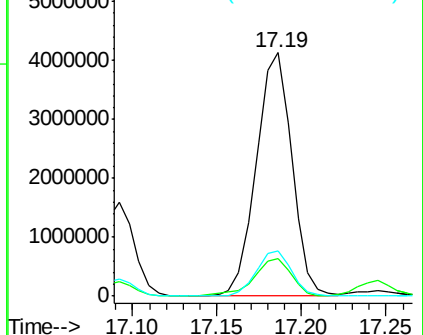
176 18.6 14.2 21.2

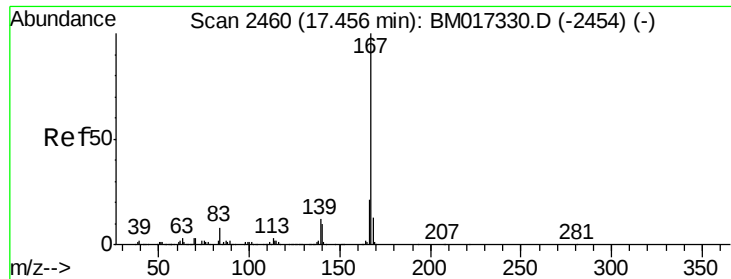


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 12.519 ng/ul

RT: 17.46 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

ClientSampleId :

C0AD8

Tgt Ion:167 Resp: 1398600

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

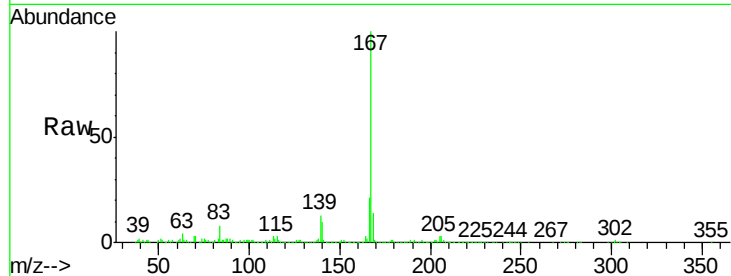
139 13.0 10.0 15.0

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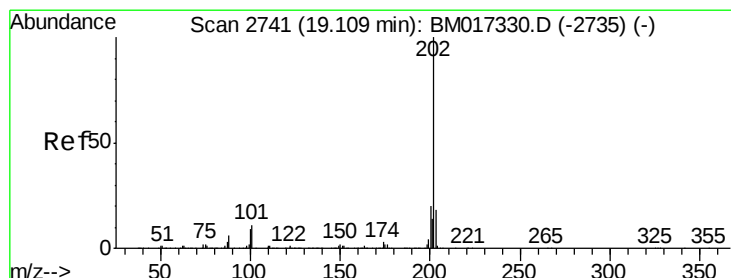
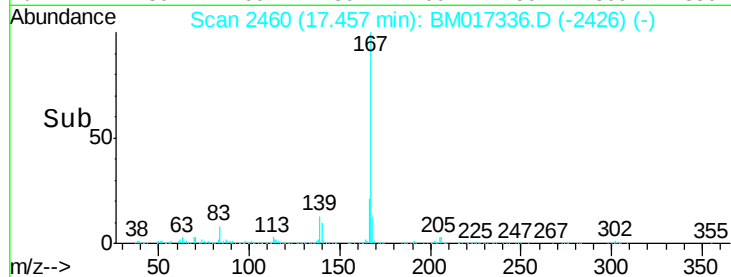
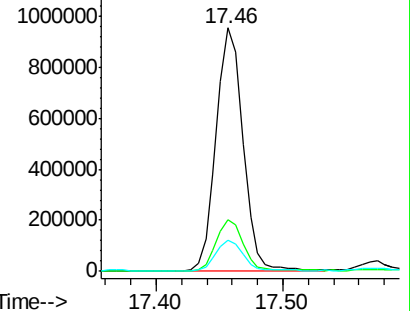
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 107.517 ng/ul m

RT: 19.12 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Tgt Ion:202 Resp:15503747

Ion Ratio Lower Upper

202 100

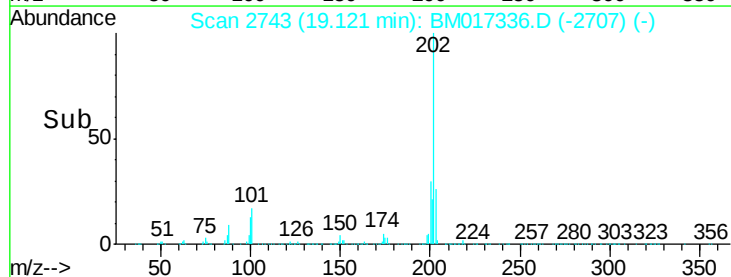
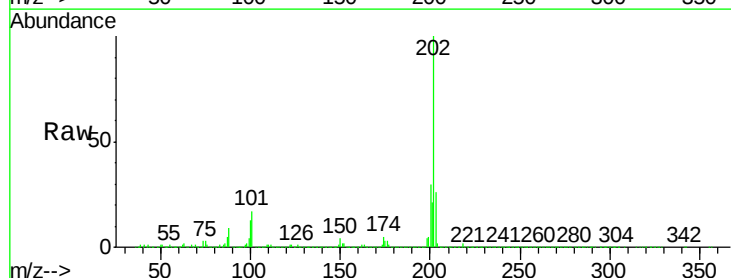
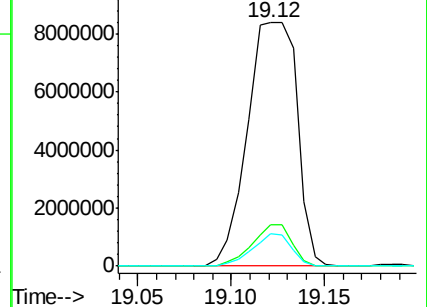
101 17.0 8.2 12.4#

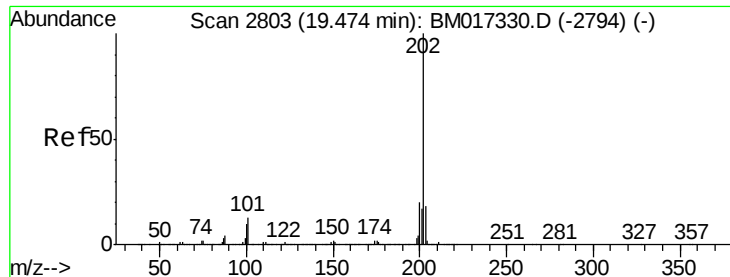
100 13.2 6.3 9.5#

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





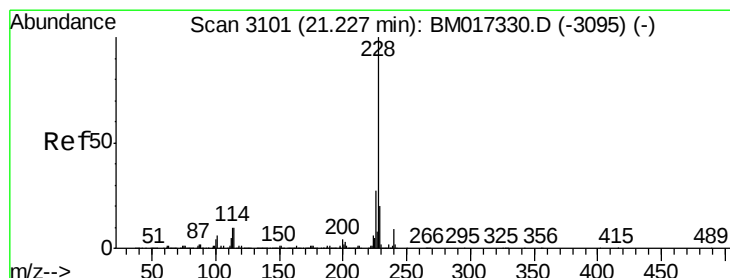
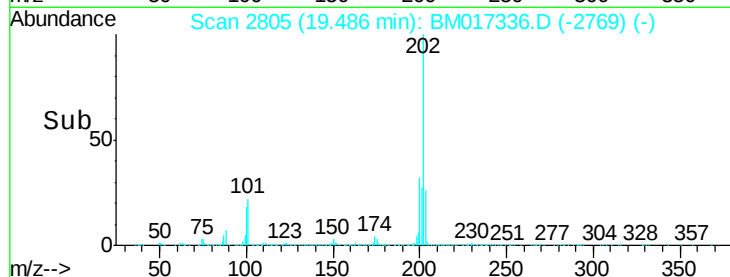
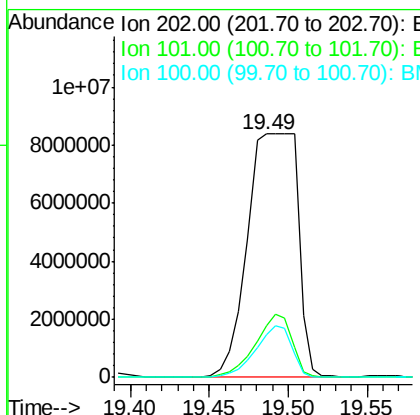
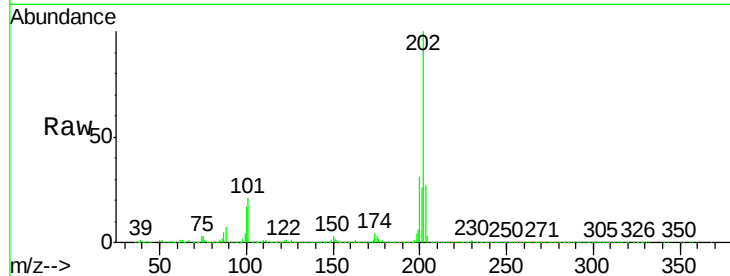
#80
 Pyrene
 Concen: 147.533 ng/ul m
 RT: 19.49 min Scan# 2805
 Delta R.T. 0.01 min
 Lab File: BM017336.D
 Acq: 25 Oct 2018 02:33

Instrument :
 BNA_M
 ClientSampleId :
 C0AD8

Tgt Ion:202 Resp:18557566
 Ion Ratio Lower Upper
 202 100
 101 21.1 9.5 14.3#
 100 17.3 8.1 12.1#

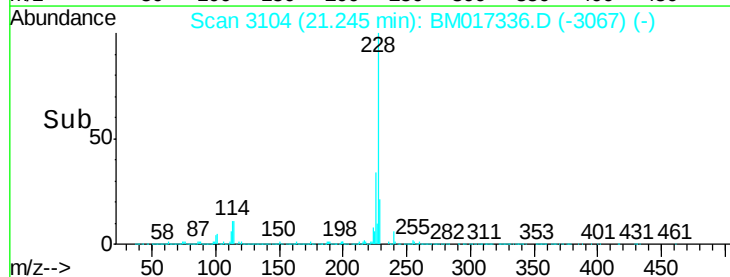
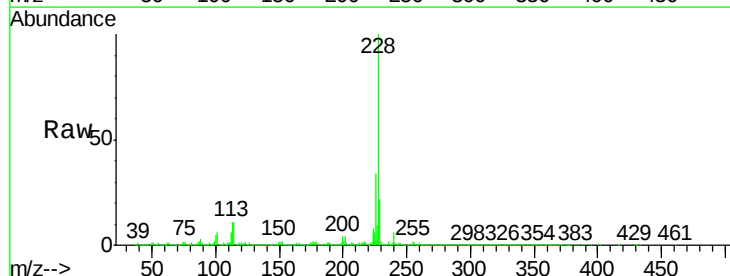
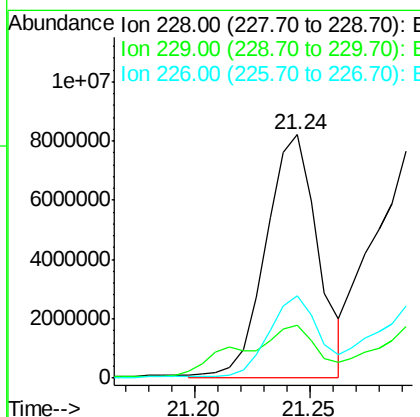
Manual Integrations
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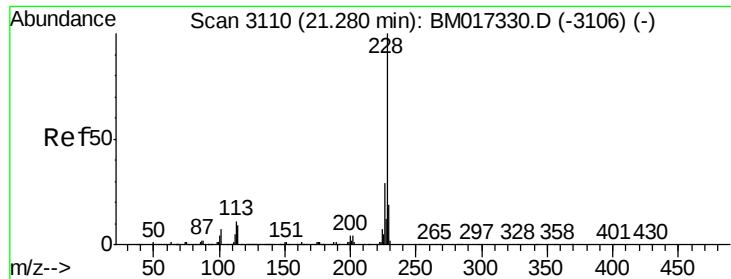
Sohil
 10/25/2018 3:34:28 PM



#83
 Benzo(a)anthracene
 Concen: 96.458 ng/ul
 RT: 21.24 min Scan# 3104
 Delta R.T. 0.02 min
 Lab File: BM017336.D
 Acq: 25 Oct 2018 02:33

Tgt Ion:228 Resp:12786058
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.6 23.4
 226 34.0 20.8 31.2#





#85

Chrysene

Concen: 134.795 ng/ul m

RT: 21.30 min Scan# 3113

Delta R.T. 0.02 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

ClientSampleId :

C0AD8

Tgt Ion:228 Resp:16990504

Ion Ratio Lower Upper

228 100

226 38.1 23.3 34.9#

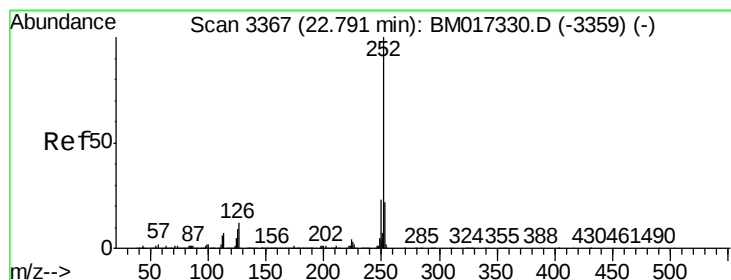
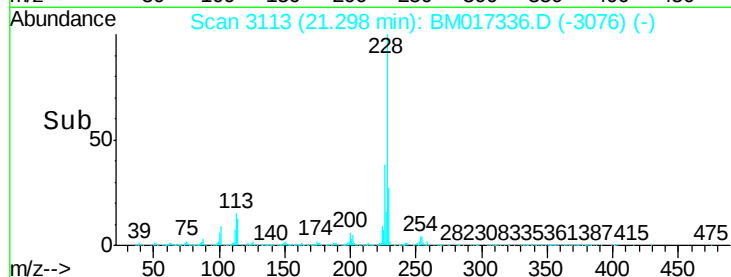
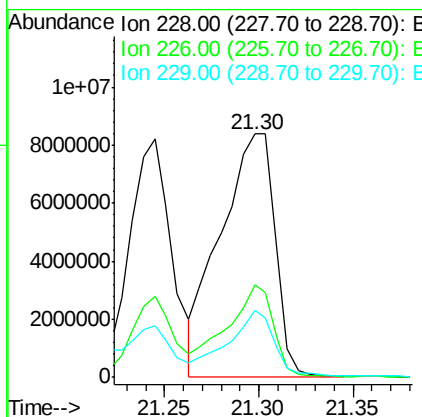
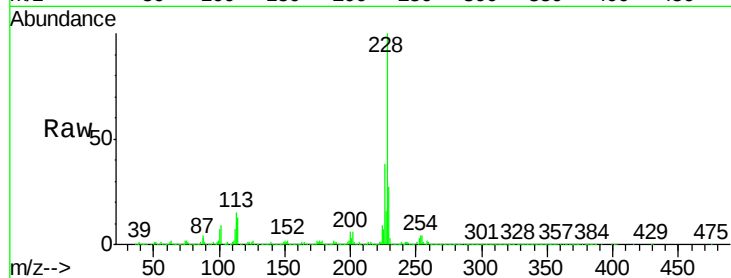
229 27.3 15.6 23.4#

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#88

Benzo(b)fluoranthene

Concen: 257.201 ng/ul m

RT: 22.83 min Scan# 3373

Delta R.T. 0.04 min

Lab File: BM017336.D

Acq: 25 Oct 2018 02:33

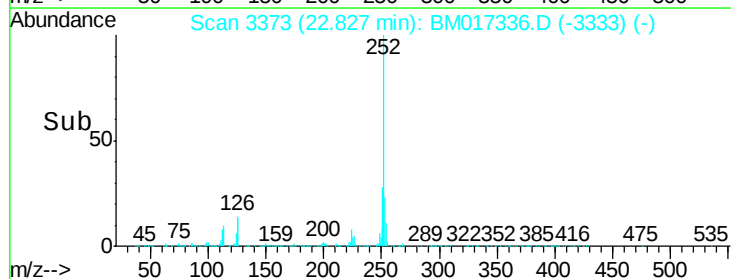
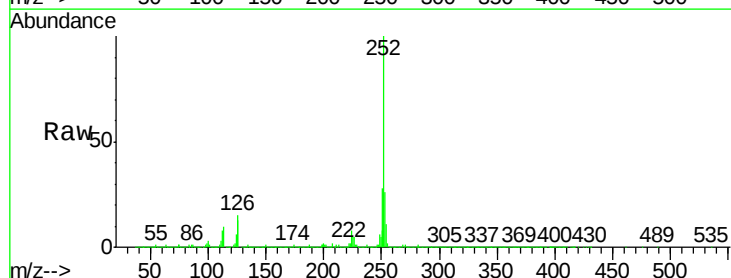
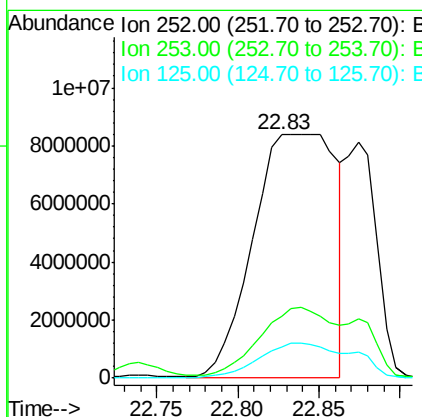
Tgt Ion:252 Resp:29554461

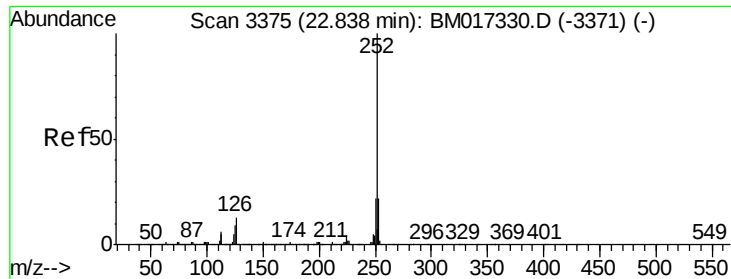
Ion Ratio Lower Upper

252 100

253 25.5 17.6 26.4

125 12.8 7.2 10.8#





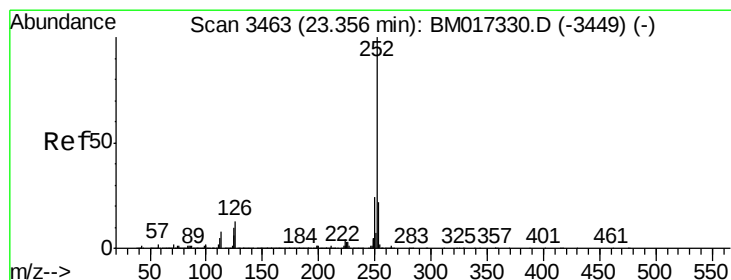
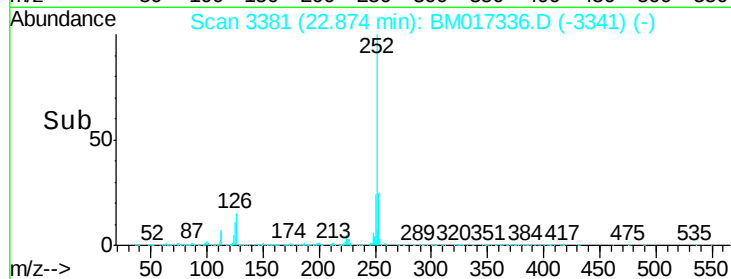
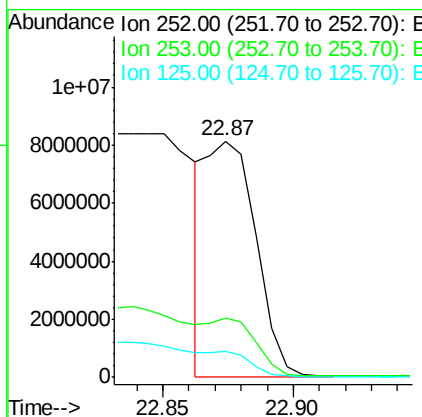
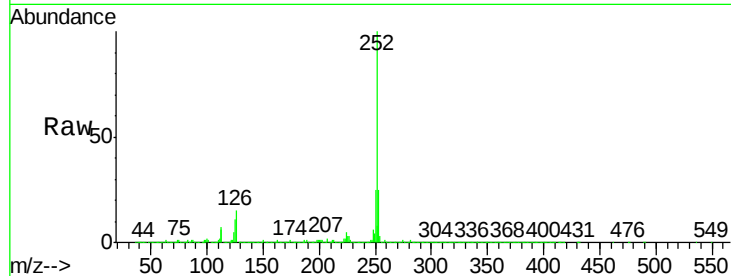
#89
Benzo(k)fluoranthene
Concen: 96.190 ng/ul m
RT: 22.87 min Scan# 3381
Delta R.T. 0.04 min
Lab File: BM017336.D
Acq: 25 Oct 2018 02:33

Instrument :
BNA_M
ClientSampleId :
C0AD8

Tgt Ion:252 Resp:10796723
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 10.9 7.8 11.6

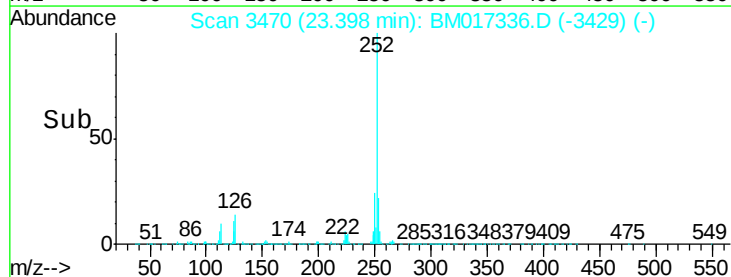
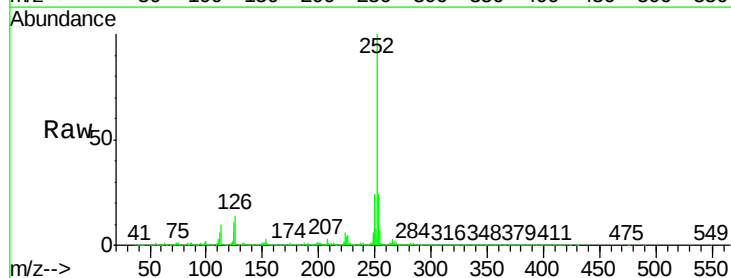
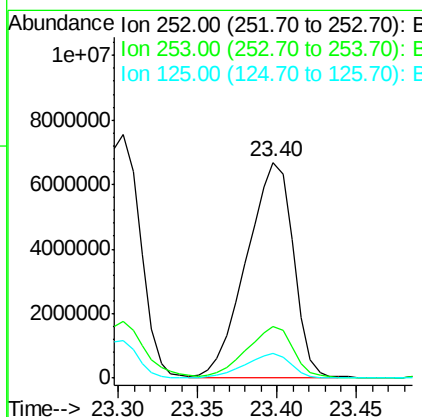
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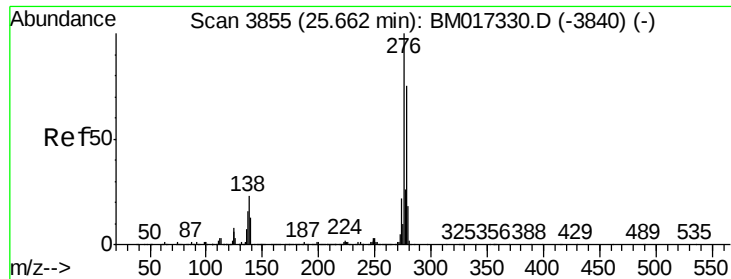
Sohil
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#91
Benzo(a)pyrene
Concen: 120.846 ng/ul m
RT: 23.40 min Scan# 3470
Delta R.T. 0.04 min
Lab File: BM017336.D
Acq: 25 Oct 2018 02:33

Tgt Ion:252 Resp:13565938
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 11.3 8.3 12.5





#92

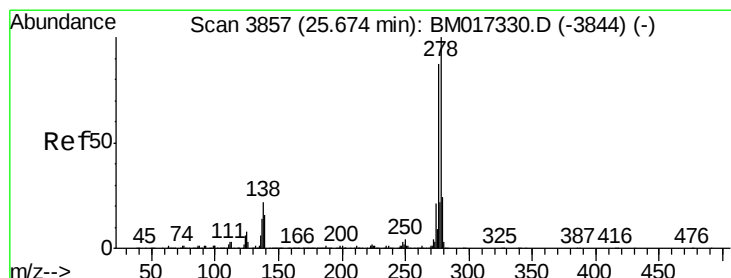
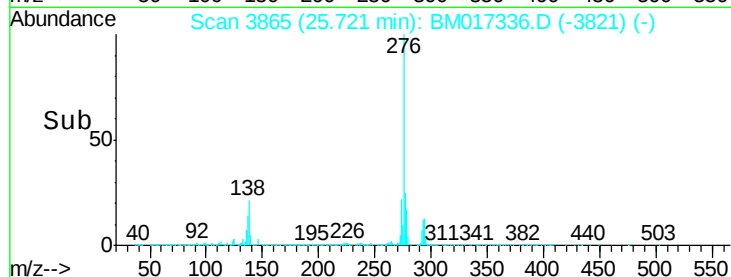
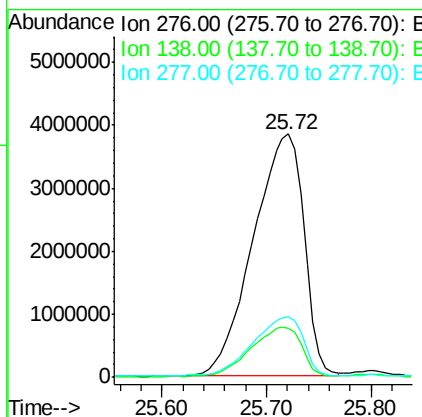
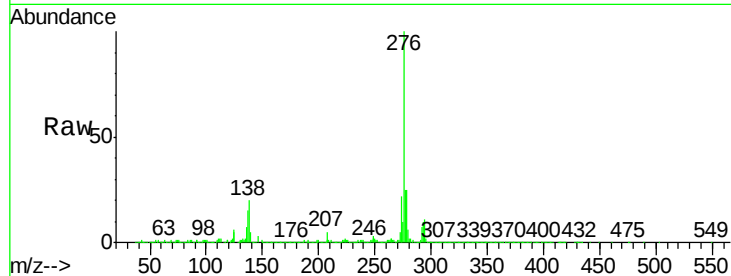
Indeno(1,2,3-cd)pyrene
Concen: 94.128 ng/ul m
RT: 25.72 min Scan# 3865
Delta R.T. 0.06 min
Lab File: BM017336.D
Acq: 25 Oct 2018 02:33

Instrument :
BNA_M
ClientSampleId :
C0AD8

Tgt Ion:276 Resp:12856573
Ion Ratio Lower Upper
276 100
138 20.4 18.1 27.1
277 25.0 19.6 29.4

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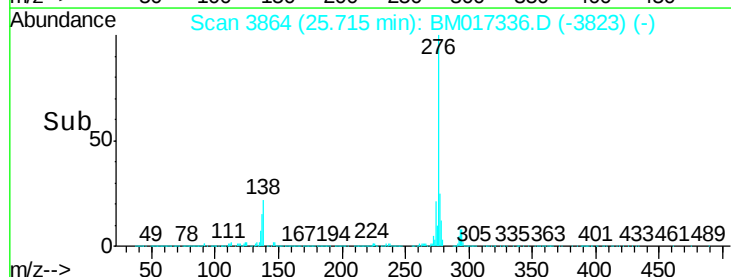
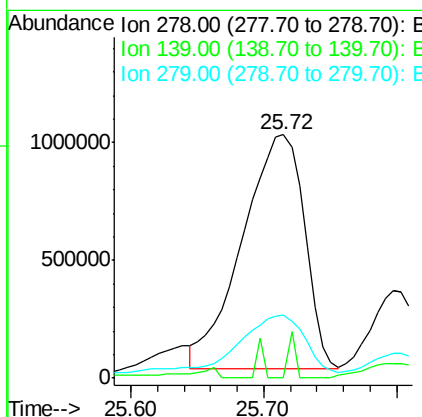
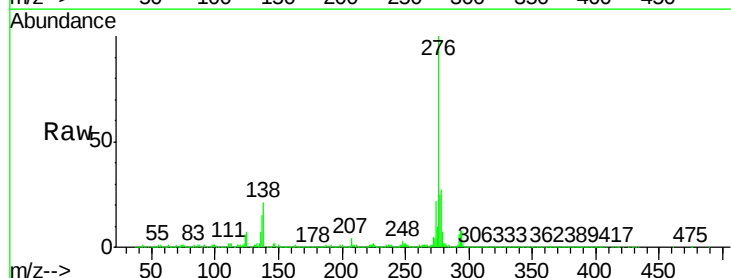
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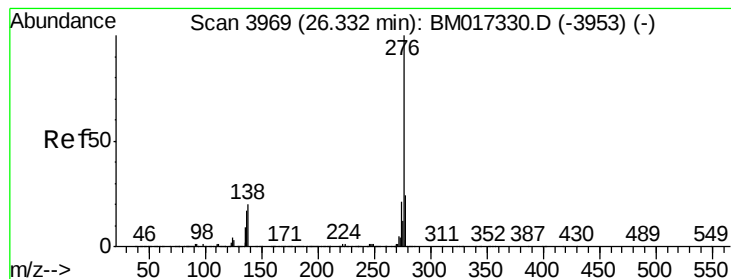


#93

Dibenzo(a,h)anthracene
Concen: 28.277 ng/ul m
RT: 25.72 min Scan# 3864
Delta R.T. 0.04 min
Lab File: BM017336.D
Acq: 25 Oct 2018 02:33

Tgt Ion:278 Resp: 3225136
Ion Ratio Lower Upper
278 100
139 0.0 12.7 19.1#
279 25.8 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 91.905 ng/ul m

RT: 26.40 min Scan# 3980

Delta R.T. 0.06 min

Lab File: BM017336.D

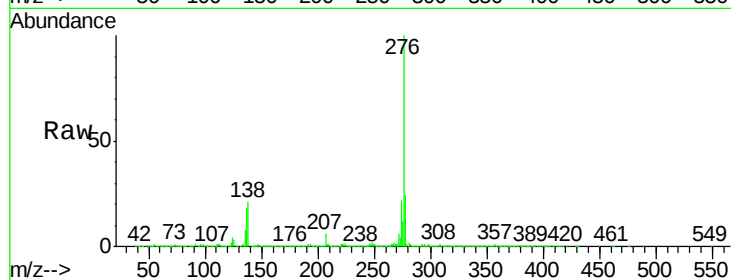
Acq: 25 Oct 2018 02:33

Instrument :

BNA_M

ClientSampleId :

C0AD8



Tgt Ion: 276 Resp: 10664123

Ion Ratio Lower Upper

276 100

138 20.7 16.6 25.0

277 24.1 18.9 28.3

Manual Integrations

APPROVED

Sohil

10/25/2018 3:34:28 PM

