

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
 Data File : BM017334.D
 Acq On : 25 Oct 2018 01:21
 Operator : MJ/SJ
 Sample : J5598-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD9

Manual Integrations
 APPROVED

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 10/25/2018 3:34:19 PM

Quant Time: Oct 25 03:01:46 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	7.65	152	336608	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1538289	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	906779	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2081599	20.00	ng/ul	0.00
78) Chrysene-d12	21.25	240	2344416	20.00	ng/ul	0.00
86) Perylene-d12	23.46	264	2232267	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	22357	3.06	ng/uL	0.00
5) Phenol-d5	6.83	99	563270	18.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	331422	18.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	462934	19.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	423586	17.42	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	231226	19.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	265145	19.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	477491	19.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	498026	24.36	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1480328	19.04	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1875968	19.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.52	143	228093	15.70	ng/ul	0.00
58) Fluorene-d10	15.30	176	1303904	19.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	233931	16.13	ng/ul	0.00
71) Anthracene-d10	17.14	188	2059616	19.99	ng/ul	0.00
79) Pyrene-d10	19.45	212	2327926	21.43	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.33	264	2421764	20.54	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	6.86	94	172605	5.653	ng/ul	99
28) Naphthalene	10.48	128	664858	8.262	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	144911	2.451	ng/ul	97
45) Dimethylphthalate	13.76	163	342729	4.549	ng/ul	99
48) Acenaphthylene	14.02	152	725895	8.192	ng/ul	98
54) Dibenzofuran	14.70	168	323399	3.598	ng/ul	98
70) Phenanthrene	17.09	178	1558496	13.038	ng/ul	99
72) Anthracene	17.18	178	1483545	12.220	ng/ul	99
75) Carbazole	17.46	167	442977	4.173	ng/ul	100
77) Fluoranthene	19.12	202	8816390	64.346	ng/ul	97
80) Pyrene	19.48	202	9633737	70.764	ng/ul	95
83) Benzo(a)anthracene	21.23	228	6182802	43.096	ng/ul	95
85) Chrysene	21.29	228	7649887	56.075	ng/ul	97
88) Benzo(b)fluoranthene	22.82	252	13884694m	106.260	ng/ul	
89) Benzo(k)fluoranthene	22.85	252	4662547	36.530	ng/ul	99
91) Benzo(a)pyrene	23.37	252	4933763	38.650	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	3853537	24.811	ng/ul	98
93) Dibenzo(a,h)anthracene	25.67	278	1022148	7.881	ng/ul#	85
94) Benzo(g,h,i)perylene	26.35	276	2684939	20.349	ng/ul	99

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

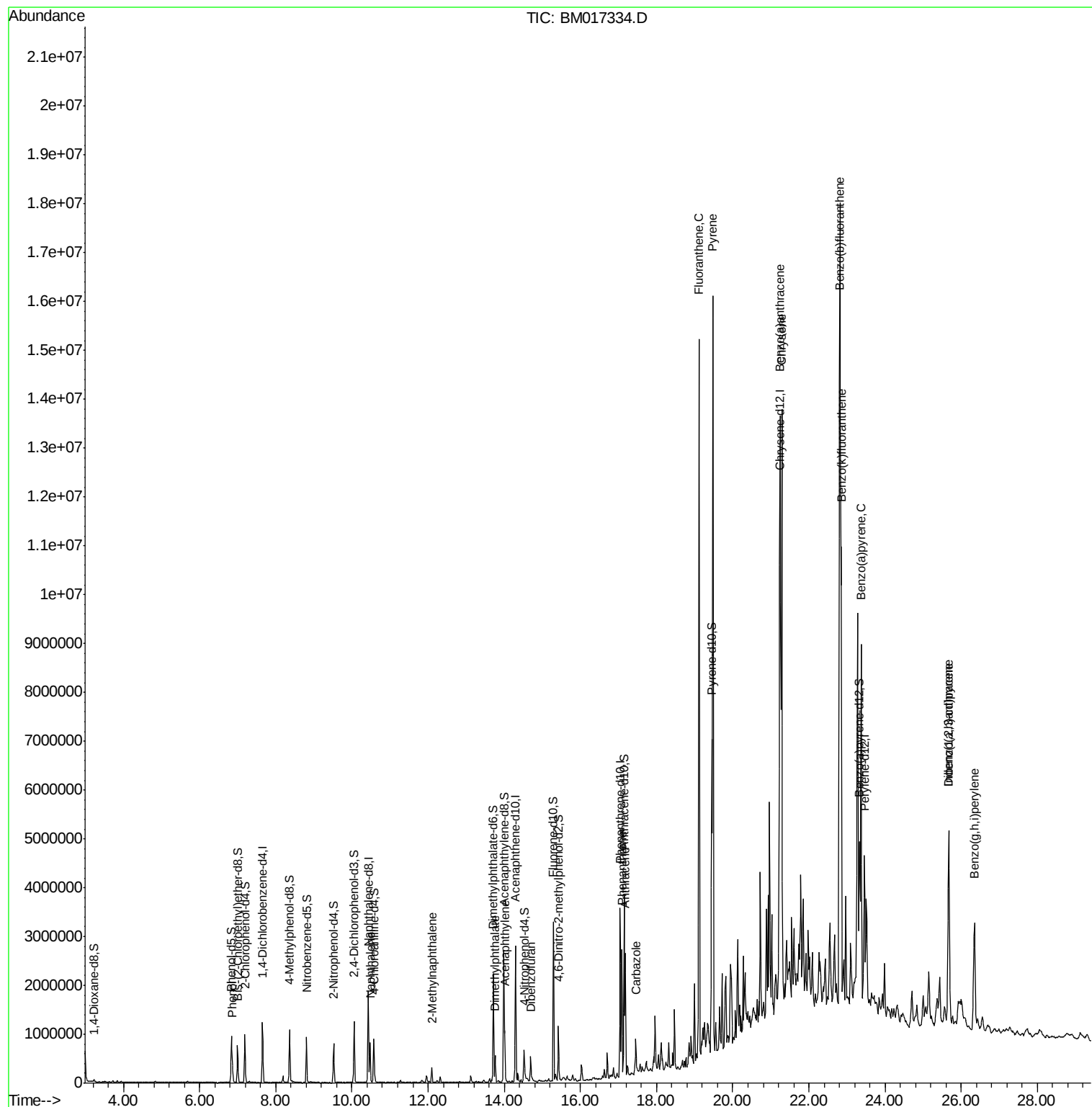
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

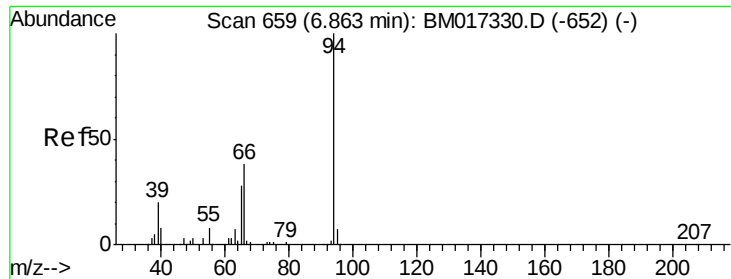
Instrument :
BNA_M
ClientSampleId :
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Quant Time: Oct 25 03:01:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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#6

Phenol

Concen: 5.653 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

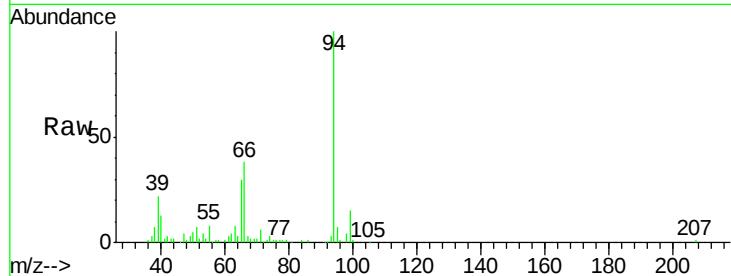
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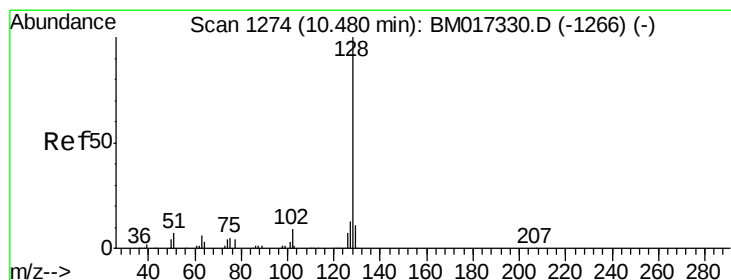
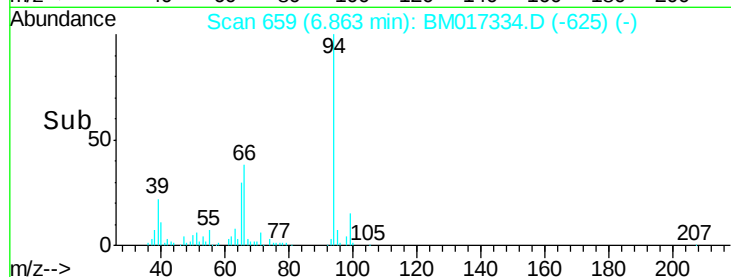
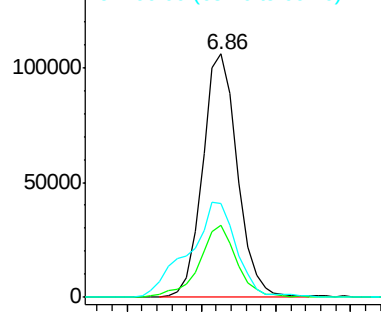
Tgt Ion:	94	Resp:	172605
Ion Ratio	Lower	Upper	
94	100		
65	29.6	24.0	36.0
66	38.4	31.1	46.7

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Abundance Ion 94.00 (93.70 to 94.70): BM017334.D (-652) (-)



#28

Naphthalene

Concen: 8.262 ng/ul

RT: 10.48 min Scan# 1274

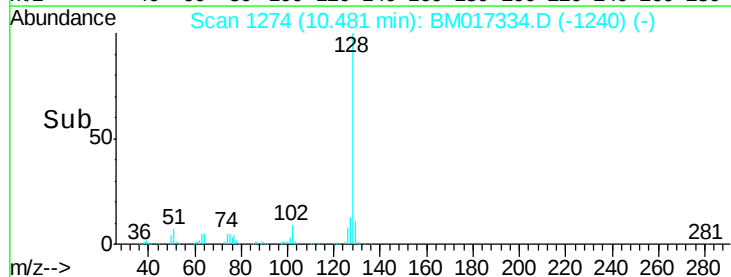
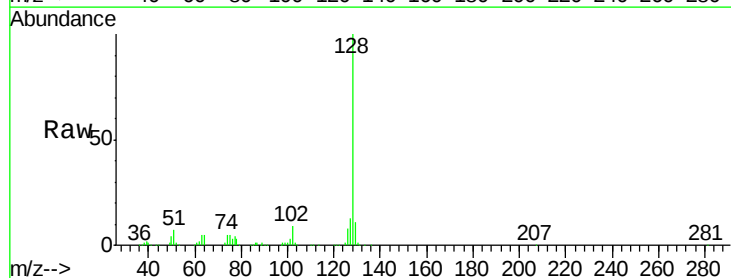
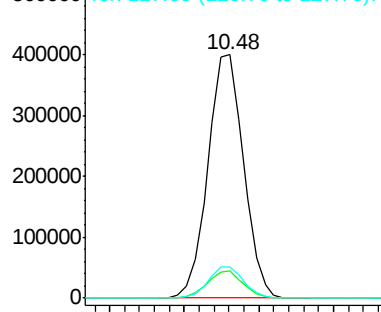
Delta R.T. 0.00 min

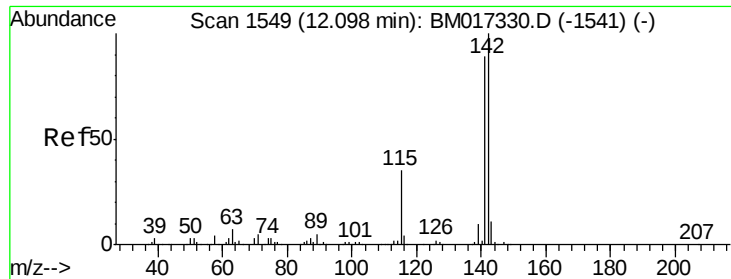
Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Tgt Ion:	128	Resp:	664858
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.8	10.3	15.5

Abundance Ion 128.00 (127.70 to 128.70): BM017334.D (-1266) (-)





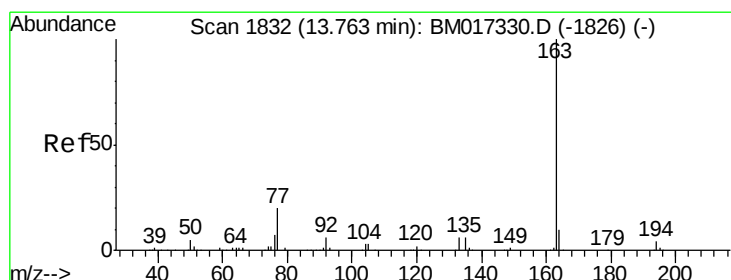
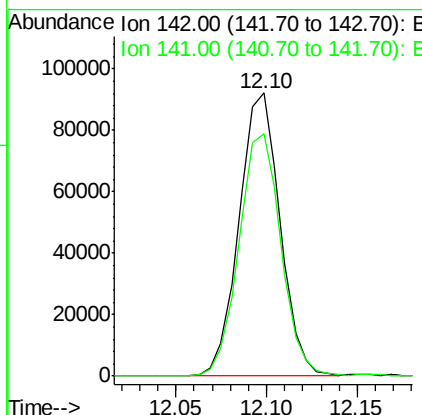
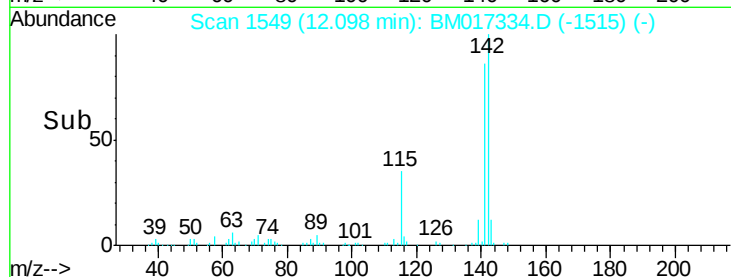
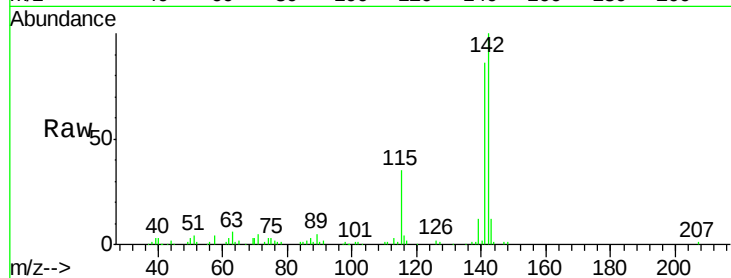
#34
2-Methylnaphthalene
Concen: 2.451 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Instrument :
BNA_M
ClientSampleId :
C0AD9

Tgt Ion:142 Resp: 144911
Ion Ratio Lower Upper
142 100
141 85.5 70.4 105.6

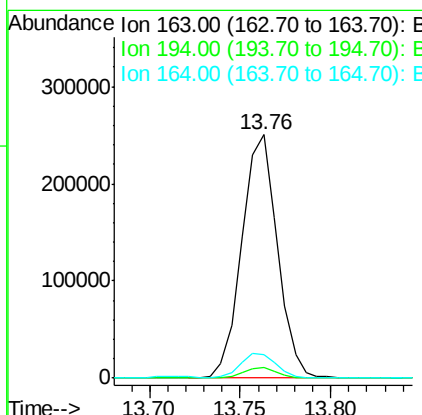
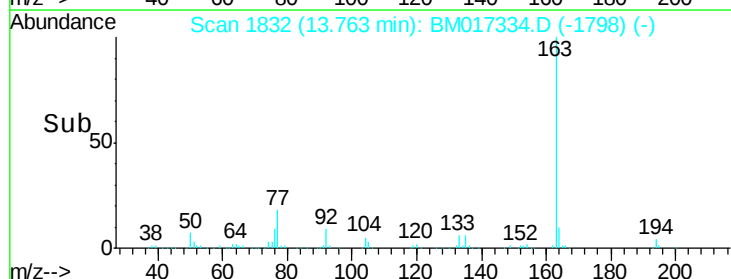
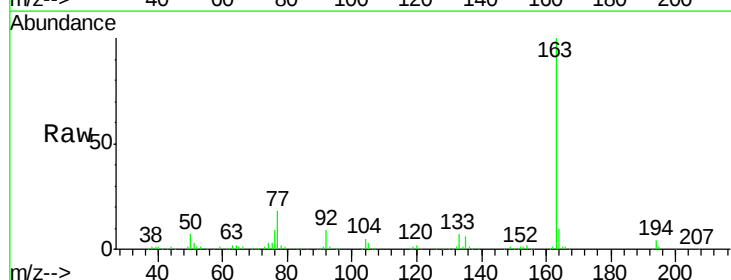
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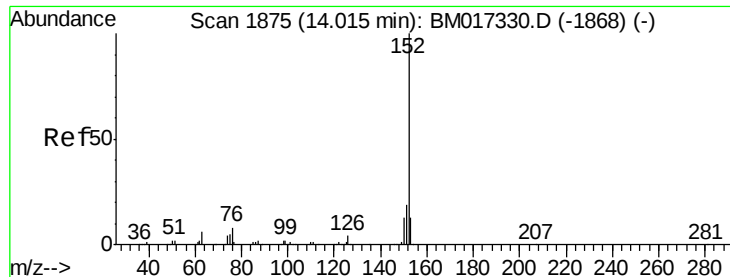
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#45
Dimethylphthalate
Concen: 4.549 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Tgt Ion:163 Resp: 342729
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 9.9 8.1 12.1





#48

Acenaphthylene

Concen: 8.192 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.00 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

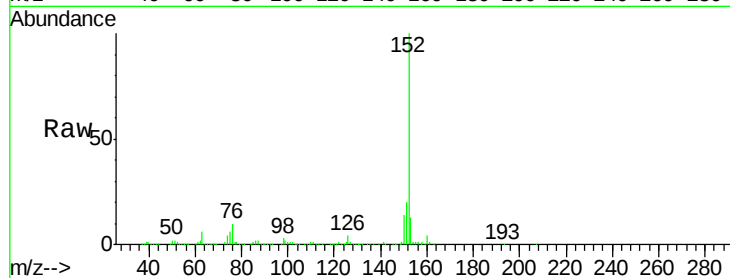
ClientSampleId :

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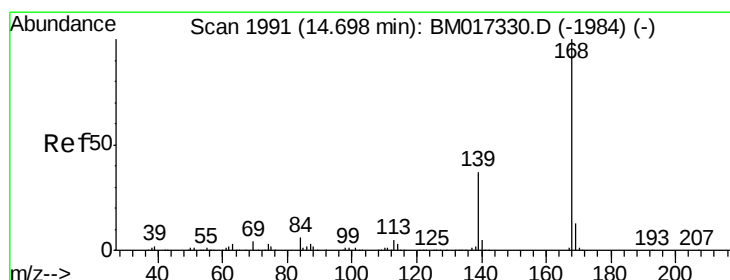
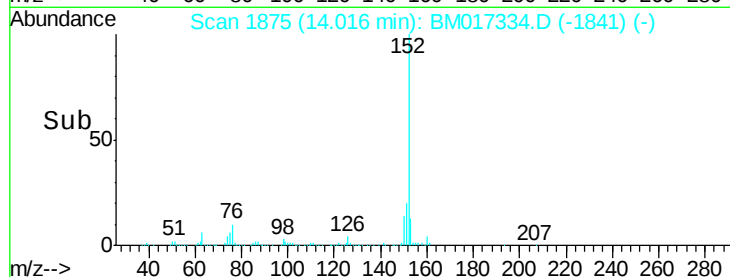
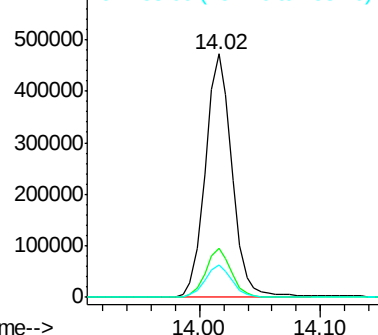
Tgt Ion:	152	Resp:	725895
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.3	22.9
153	13.3	10.2	15.4

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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



#54

Dibenzofuran

Concen: 3.598 ng/ul

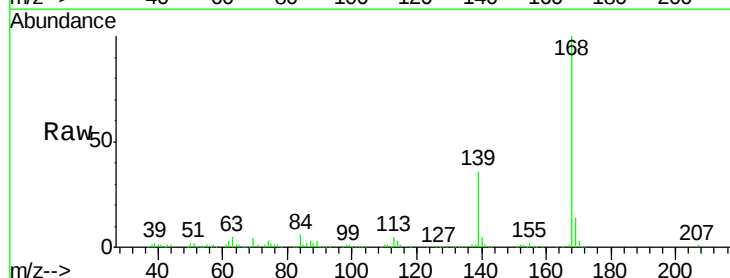
RT: 14.70 min Scan# 1991

Delta R.T. 0.00 min

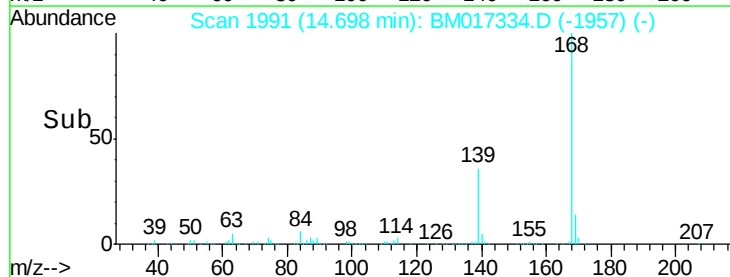
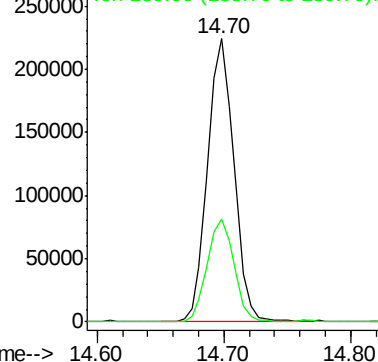
Lab File: BM017334.D

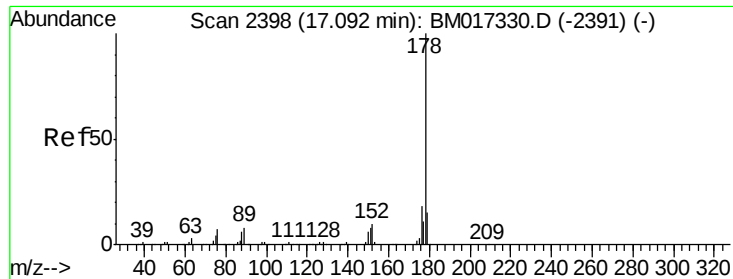
Acq: 25 Oct 2018 01:21

Tgt Ion:	168	Resp:	323399
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1



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





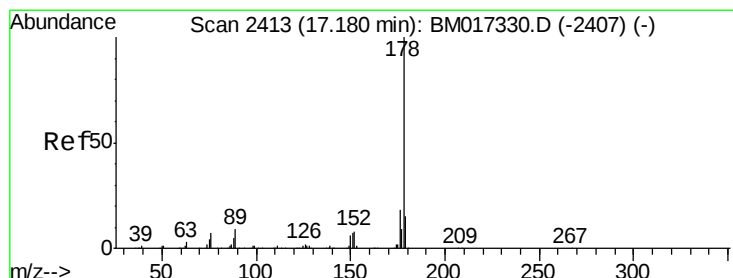
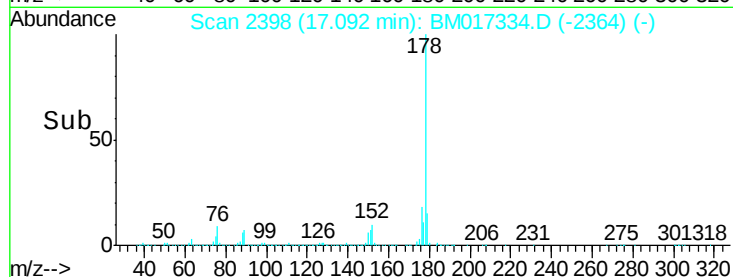
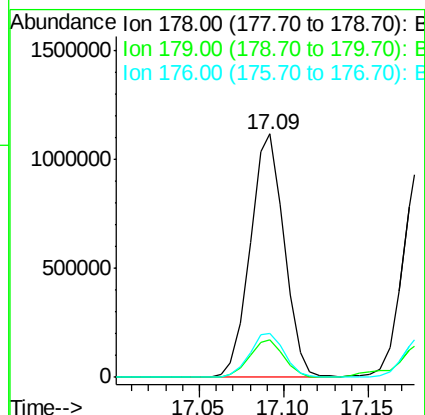
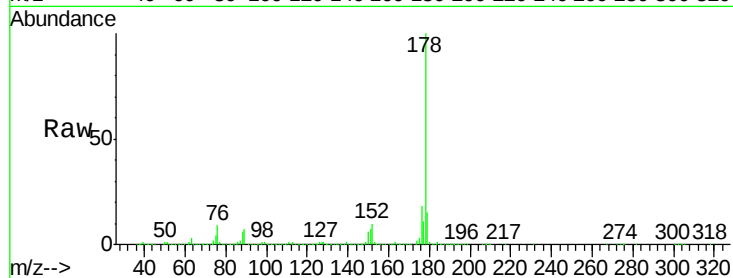
#70
Phenanthrene
Concen: 13.038 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Instrument :
BNA_M
ClientSampled :
C0AD9

Tgt Ion:178 Resp: 1558496
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.2
176 18.1 14.9 22.3

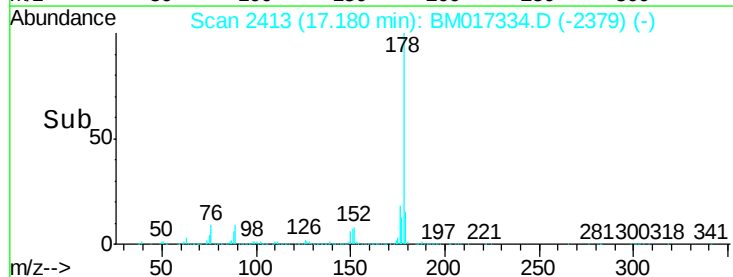
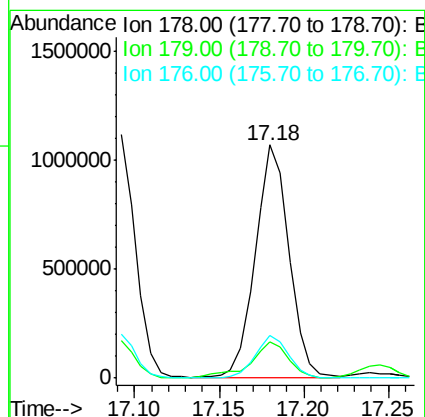
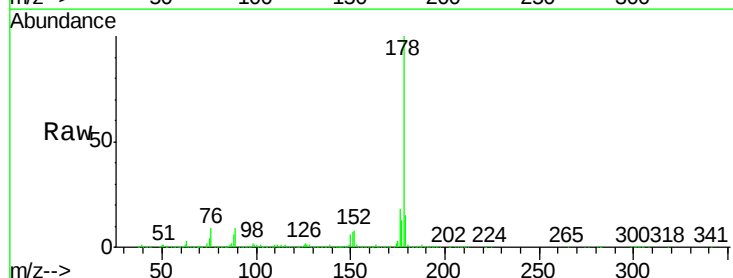
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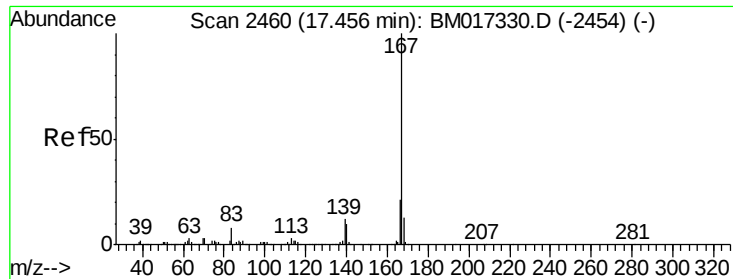
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#72
Anthracene
Concen: 12.220 ng/ul
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Tgt Ion:178 Resp: 1483545
Ion Ratio Lower Upper
178 100
179 15.4 12.2 18.2
176 18.1 14.2 21.2





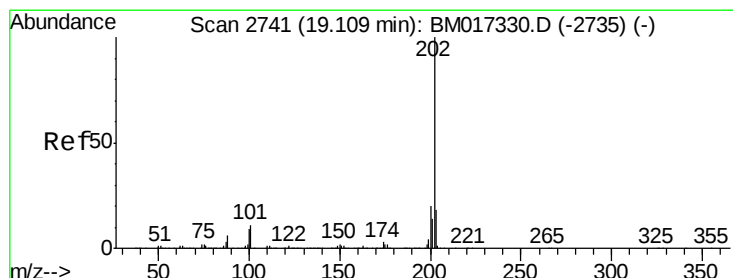
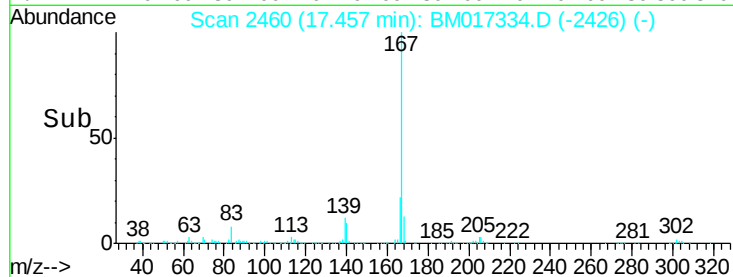
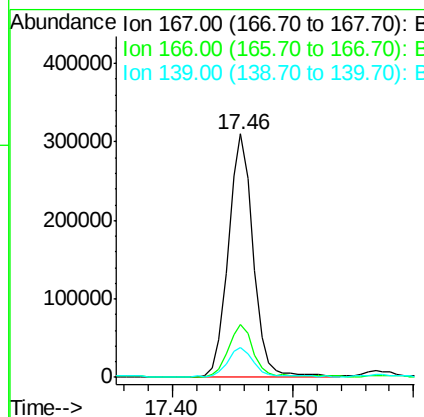
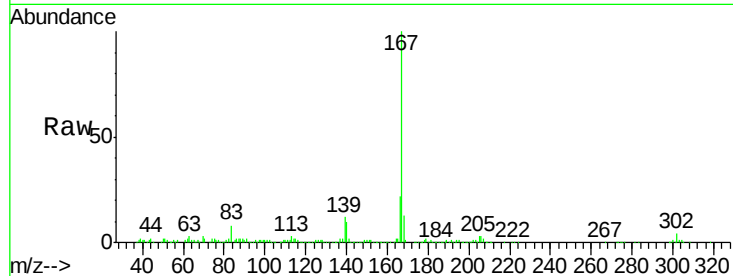
#75
 Carbazole
 Concen: 4.173 ng/ul
 RT: 17.46 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD9

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	442977		
166	21.8		17.5	26.3
139	12.4		10.0	15.0

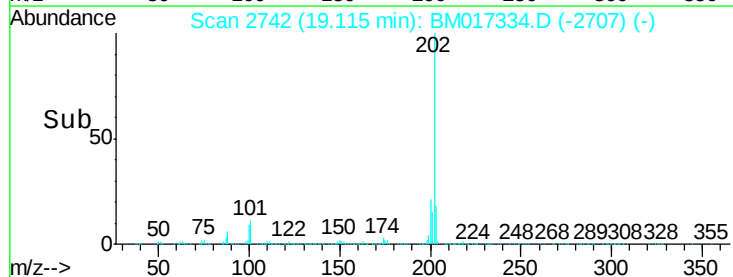
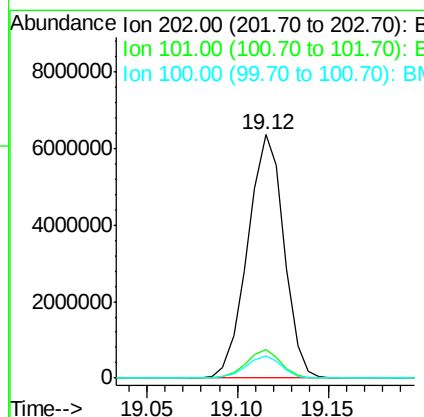
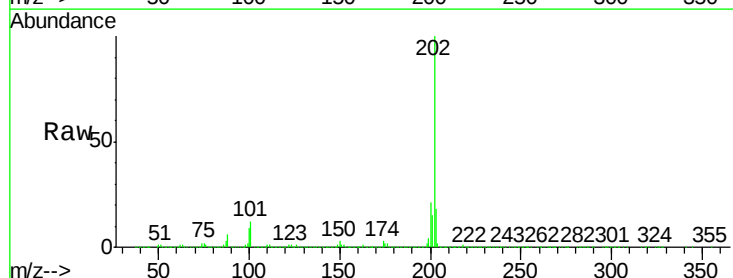
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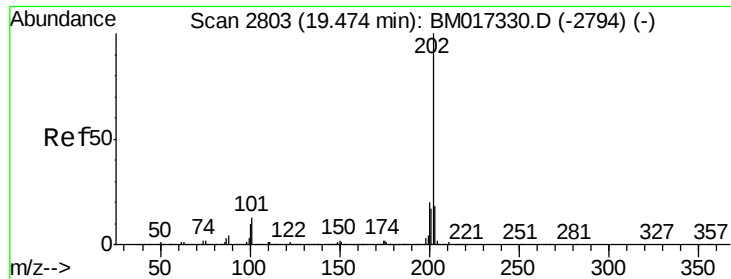
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#77
 Fluoranthene
 Concen: 64.346 ng/ul
 RT: 19.12 min Scan# 2742
 Delta R.T. 0.01 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	8816390		
101	11.5		8.2	12.4
100	8.9		6.3	9.5





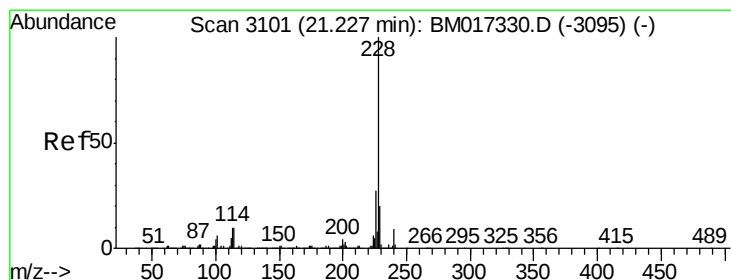
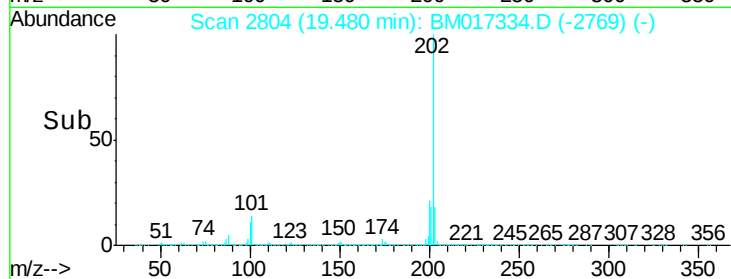
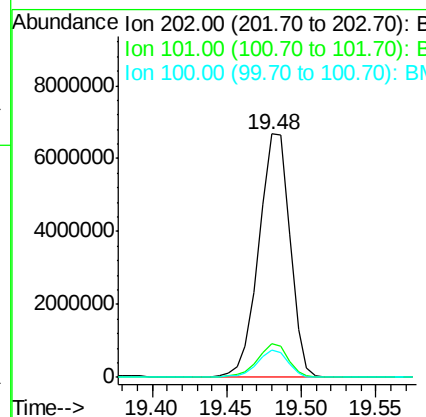
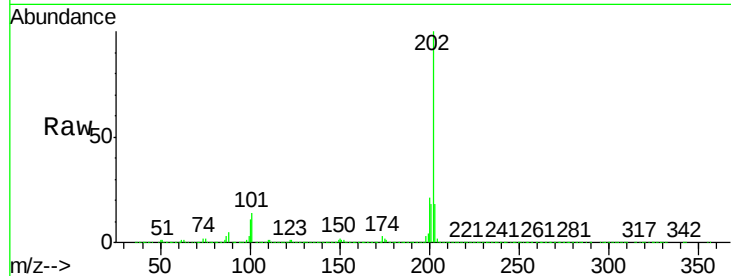
#80
Pyrene
Concen: 70.764 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Instrument :
BNA_M
ClientSampleId :
C0AD9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.5	14.3
100	11.4	8.1	12.1

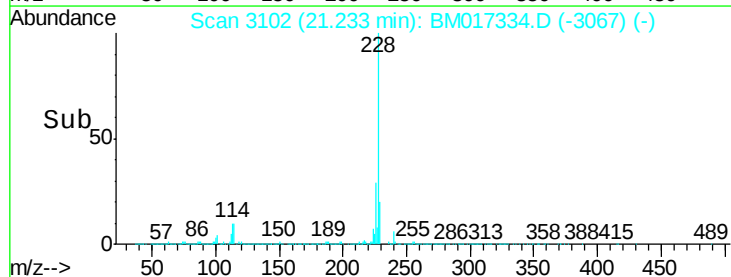
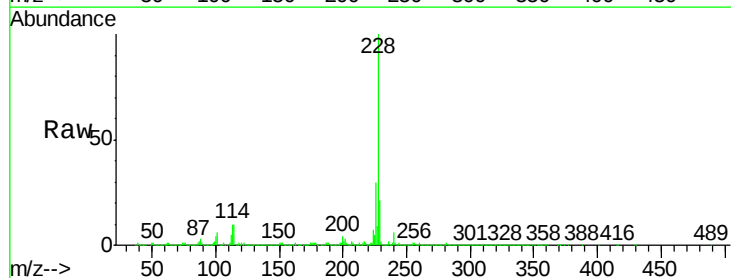
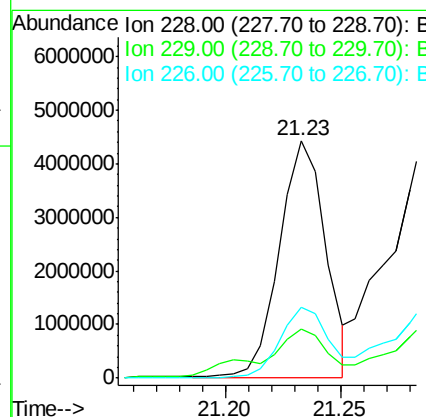
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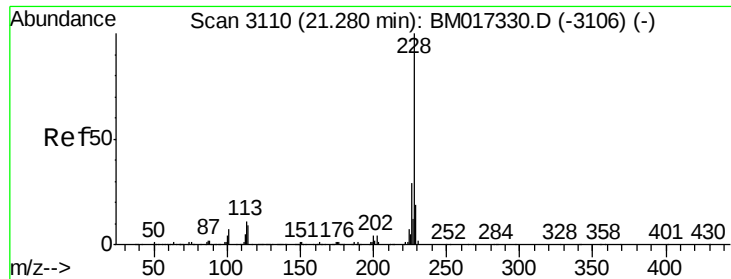
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#83
Benzo(a)anthracene
Concen: 43.096 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.6	23.4
226	29.6	20.8	31.2





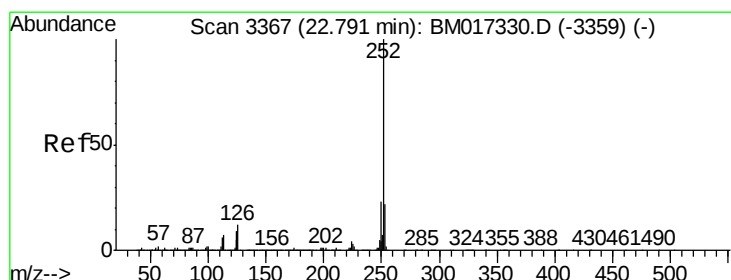
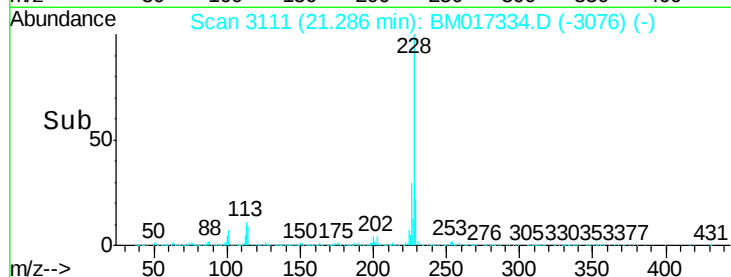
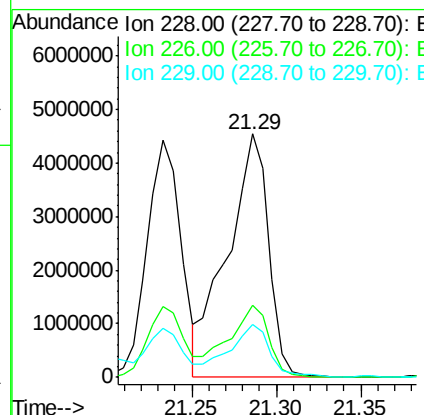
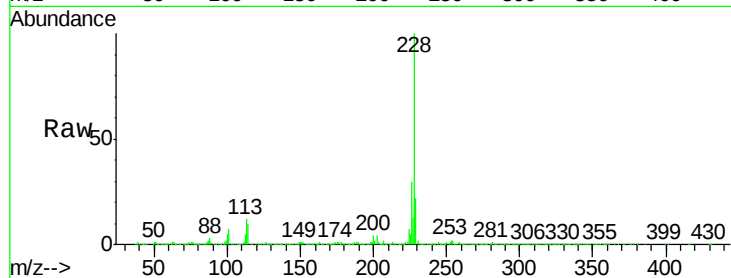
#85
 Chrysene
 Concen: 56.075 ng/ul
 RT: 21.29 min Scan# 3111
 Delta R.T. 0.01 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD9

Tgt Ion:228 Resp: 7649887
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.3 34.9
 229 21.9 15.6 23.4

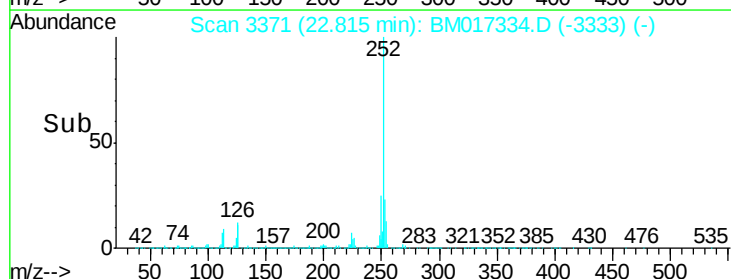
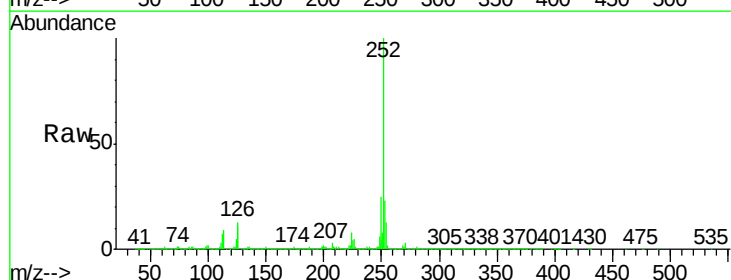
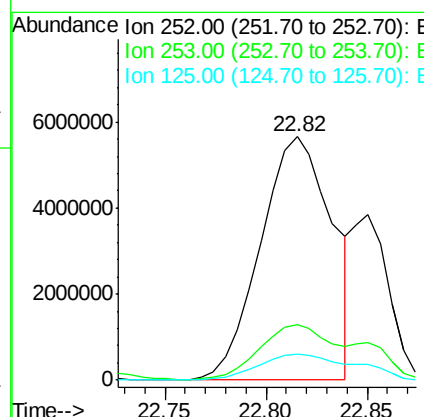
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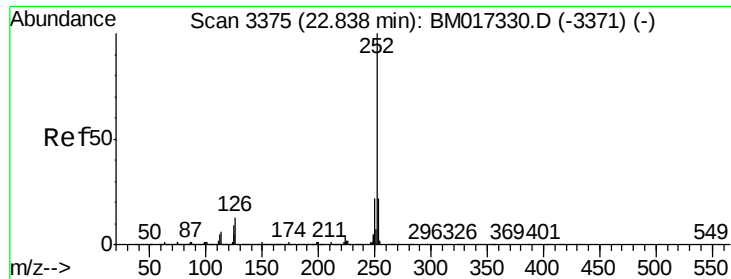
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#88
 Benzo(b)fluoranthene
 Concen: 106.260 ng/ul m
 RT: 22.82 min Scan# 3371
 Delta R.T. 0.02 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Tgt Ion:252 Resp:13884694
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 10.9 7.2 10.8#





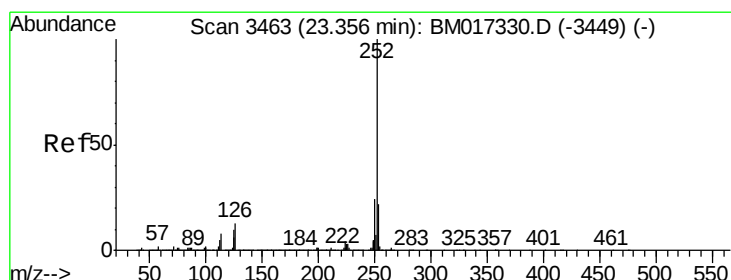
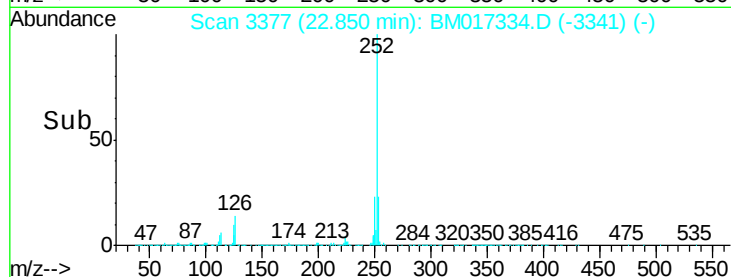
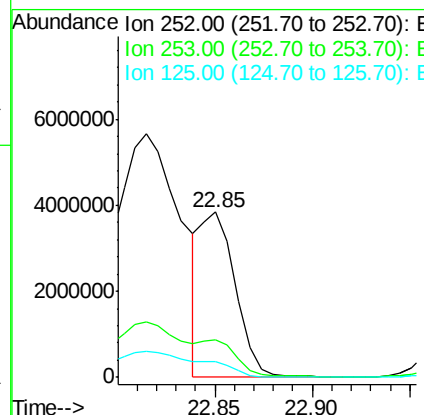
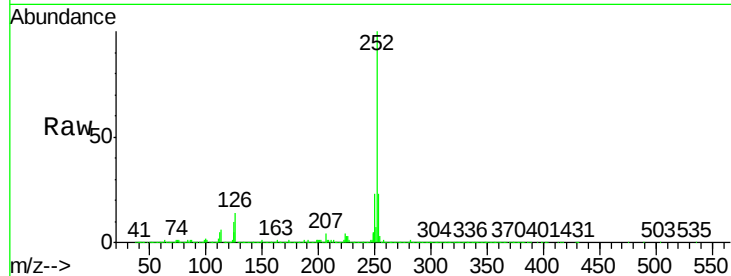
#89
Benzo(k)fluoranthene
Concen: 36.530 ng/u1
RT: 22.85 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Instrument :
BNA_M
ClientSampleId :
C0AD9

Tgt Ion:252 Resp: 4662547
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 9.9 7.8 11.6

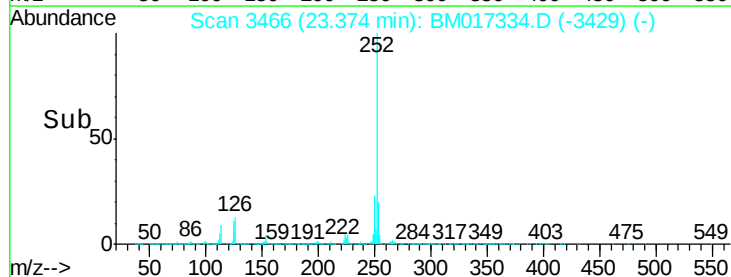
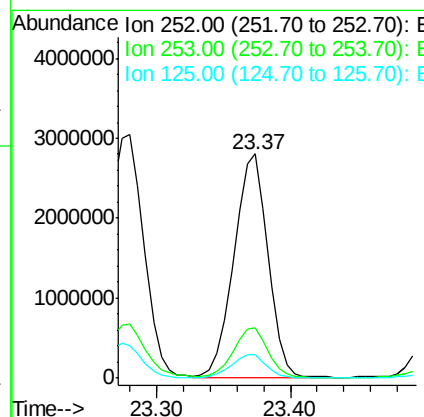
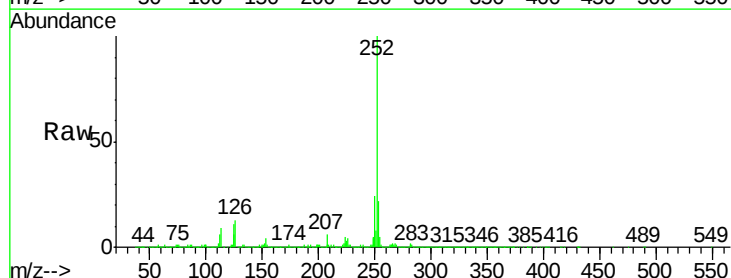
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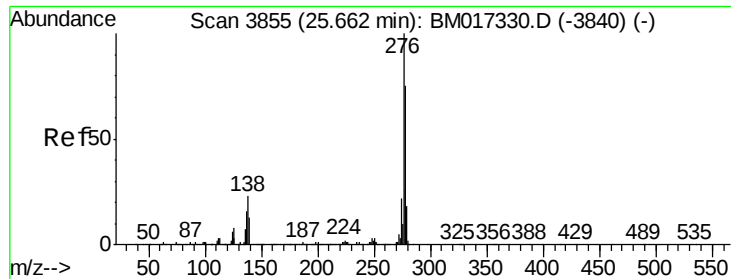
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#91
Benzo(a)pyrene
Concen: 38.650 ng/u1
RT: 23.37 min Scan# 3466
Delta R.T. 0.02 min
Lab File: BM017334.D
Acq: 25 Oct 2018 01:21

Tgt Ion:252 Resp: 4933763
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.7 8.3 12.5





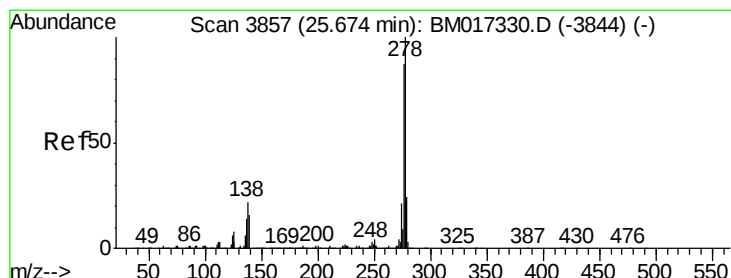
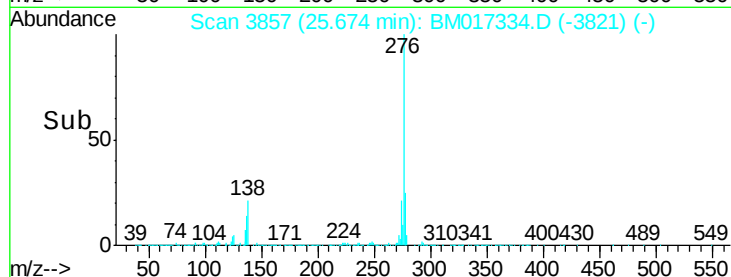
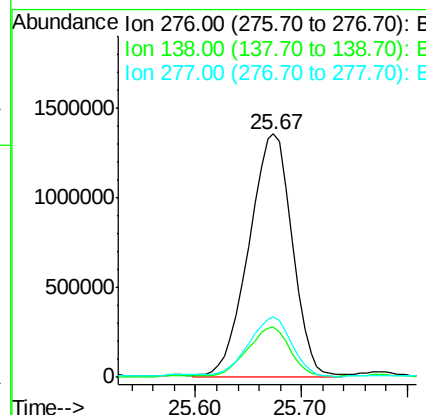
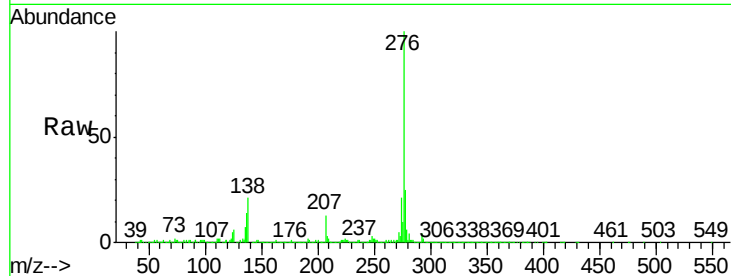
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 24.811 ng/ul
 RT: 25.67 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Instrument :
 BNA_M
 ClientSampleId :
 C0AD9

Tgt Ion: 276 Resp: 3853537
 Ion Ratio Lower Upper
 276 100
 138 20.5 18.1 27.1
 277 24.8 19.6 29.4

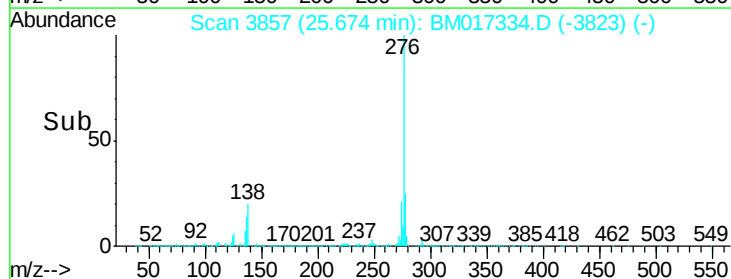
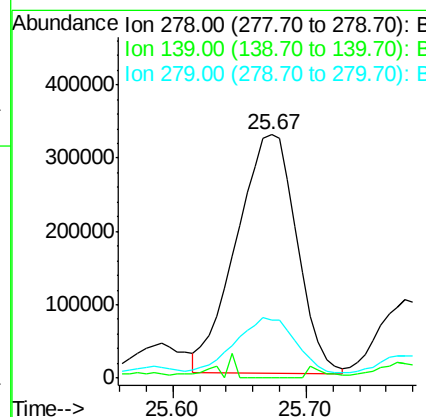
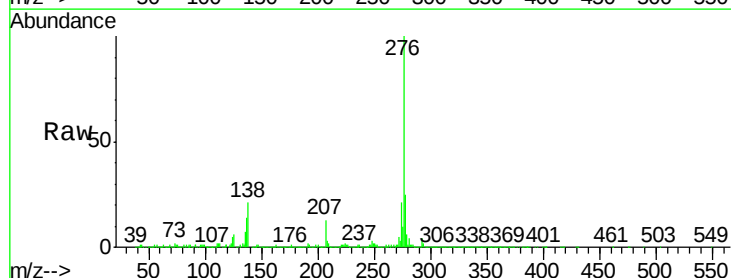
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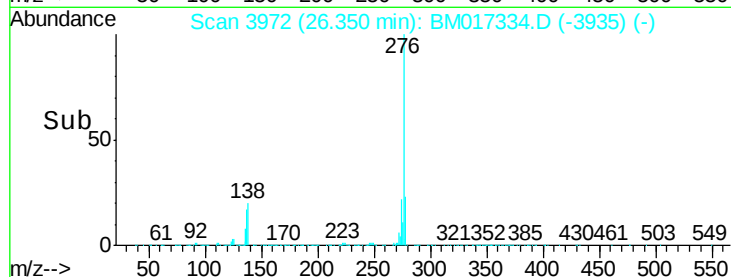
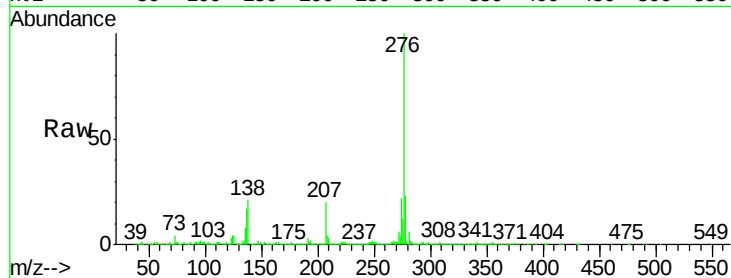
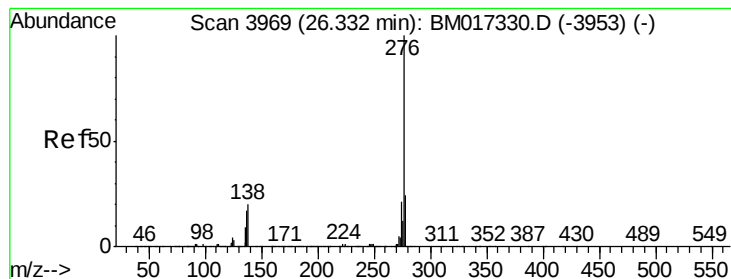
Sohil
 10/25/2018 3:34:19 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 7.881 ng/ul
 RT: 25.67 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: BM017334.D
 Acq: 25 Oct 2018 01:21

Tgt Ion: 278 Resp: 1022148
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.7 19.1#
 279 23.8 19.0 28.4





#94

Benzo(g,h,i)perylene

Concen: 20.349 ng/u1

RT: 26.35 min Scan# 3972

Delta R.T. 0.02 min

Lab File: BM017334.D

Acq: 25 Oct 2018 01:21

Instrument :

BNA_M

ClientSampleId :

C0AD9

Tgt Ion:276 Resp: 2684939

Ion Ratio Lower Upper

276 100

138 20.6 16.6 25.0

277 23.3 18.9 28.3

Manual Integrations

APPROVED

Sohil

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