

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN031218\
 Data File : BN000331.D
 Acq On : 13 Mar 2018 03:00
 Operator : JU/SJ
 Sample : J1843-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 DAM69

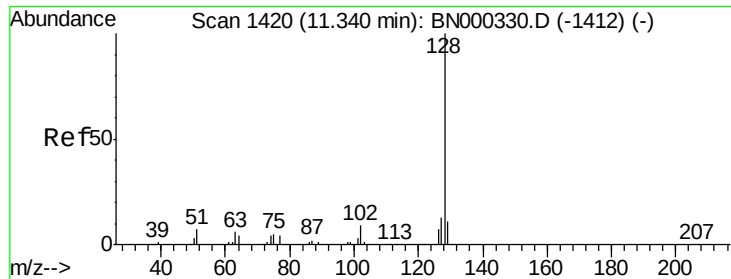
Manual Integrations
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 3/13/2018 5:33:18 PM

Quant Time: Mar 13 13:11:51 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 09 23:47:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	461807	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	2083911	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	1080936	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	2200530	20.00	ng/ul	0.01
17) Chrysene-d12	21.91	240	1744143	20.00	ng/ul	0.02
22) Perylene-d12	24.40	264	1601684	20.00	ng/ul	0.03
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	3605268	33.60	ng/ul	0.00
10) Fluorene-d10	16.05	176	2296993	31.62	ng/ul	0.00
14) Anthracene-d10	17.89	188	3271588	31.82	ng/ul	0.02
18) Pyrene-d10	20.14	212	3272822	38.36	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.24	264	2427340	33.19	ng/ul	0.03
Target Compounds						
					Qvalue	
3) Naphthalene	11.35	128	7561649	68.761	ng/ul	98
4) 2-Methylnaphthalene	12.92	142	1467582	18.959	ng/ul	98
5) 1-Methylnaphthalene	13.13	142	790410	10.174	ng/ul#	94
8) Acenaphthylene	14.79	152	151188	1.402	ng/ul#	95
9) Acenaphthene	15.13	153	2043307	27.231	ng/ul	96
11) Fluorene	16.10	166	2631920	31.802	ng/ul	94
13) Phenanthrene	17.85	178	14652950m	116.109	ng/ul	
15) Anthracene	17.92	178	5316960	41.522	ng/ul	98
16) Fluoranthene	19.82	202	14327176	105.074	ng/ul#	93
19) Pyrene	20.18	202	11642343	105.727	ng/ul#	87
20) Benzo(a)anthracene	21.89	228	6828519	62.977	ng/ul	94
21) Chrysene	21.95	228	5936666m	57.695	ng/ul	
23) Benzo(b)fluoranthene	23.64	252	6214505	65.067	ng/ul#	94
24) Benzo(k)fluoranthene	23.69	252	2681655m	29.996	ng/ul	
26) Benzo(a)pyrene	24.29	252	4338262	47.726	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.97	276	2554621	26.065	ng/ul#	86
28) Dibenzo(a,h)anthracene	26.96	278	717843	8.936	ng/ul#	81
29) Benzo(g,h,i)perylene	27.76	276	1982374	24.224	ng/ul#	89

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



#3

Naphthalene

Concen: 68.761 ng/ul

RT: 11.35 min Scan# 1421

Delta R.T. 0.01 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Instrument :

BNA_N

ClientSampled :

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Tgt Ion:128 Resp: 7561649

Ion Ratio Lower Upper

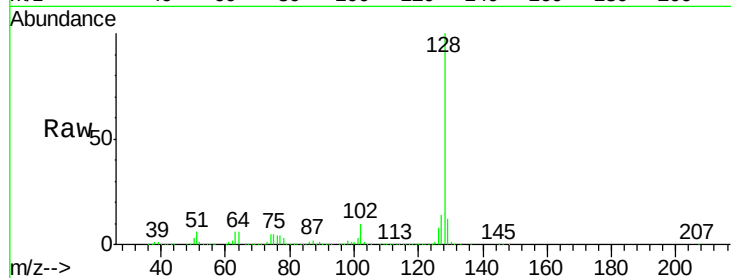
128 100

129 11.6 8.7 13.1

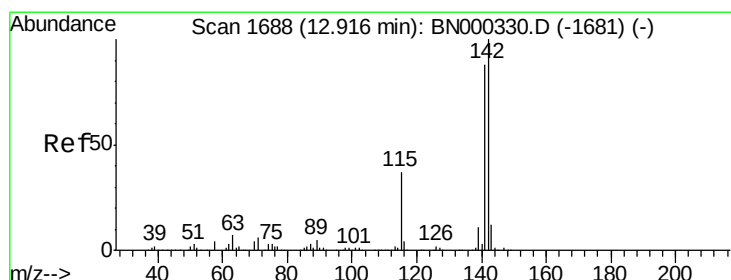
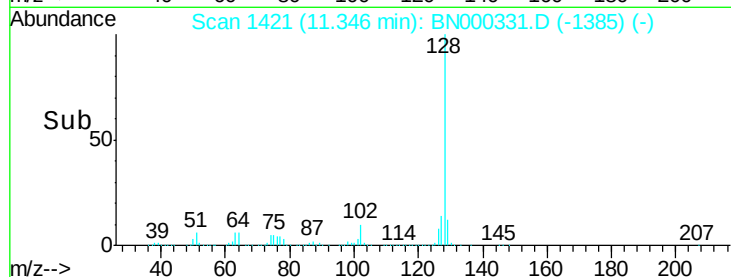
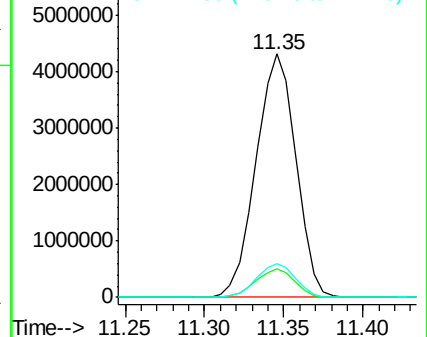
127 13.8 10.6 16.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 18.959 ng/ul

RT: 12.92 min Scan# 1689

Delta R.T. 0.01 min

Lab File: BN000331.D

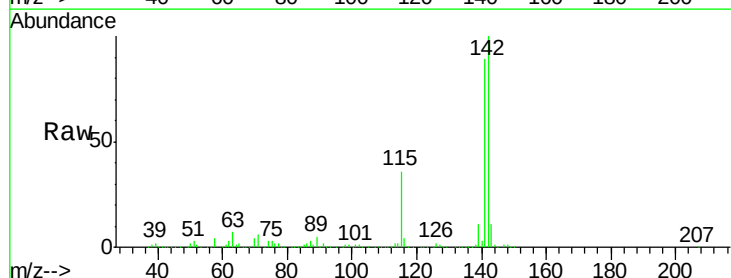
Acq: 13 Mar 2018 03:00

Tgt Ion:142 Resp: 1467582

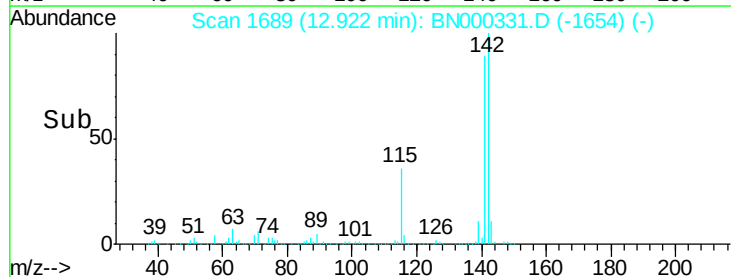
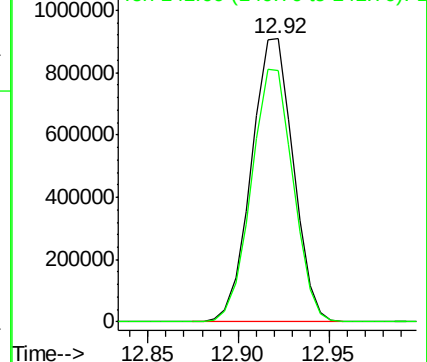
Ion Ratio Lower Upper

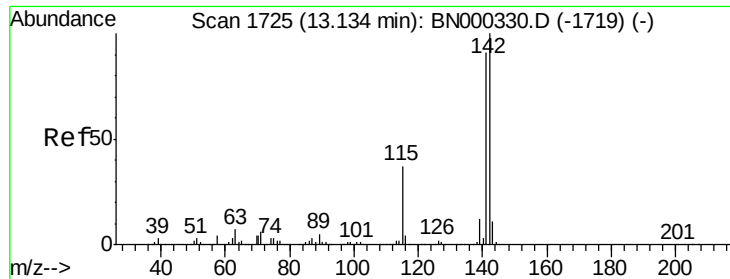
142 100

141 89.0 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 10.174 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BN000331.D

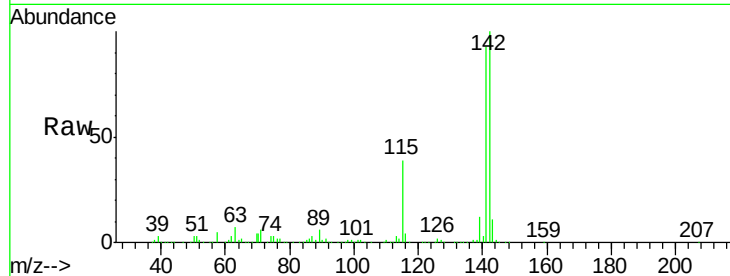
Acq: 13 Mar 2018 03:00

Instrument :

BNA_N

ClientSampleId :

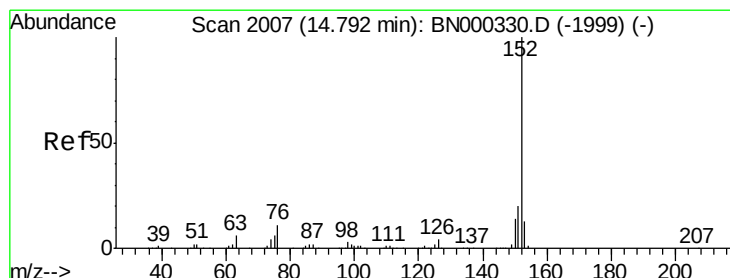
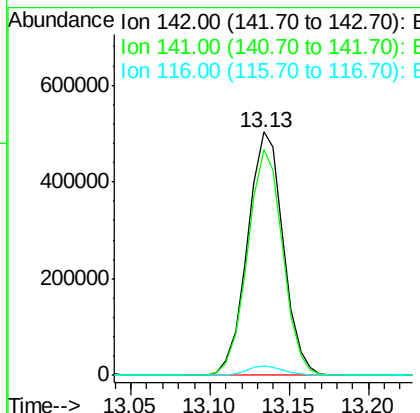
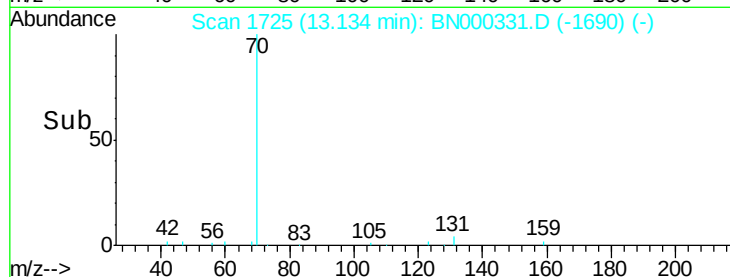
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	79.3	118.9
116	4.1	4.2	6.2#

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#8

Acenaphthylene

Concen: 1.402 ng/ul

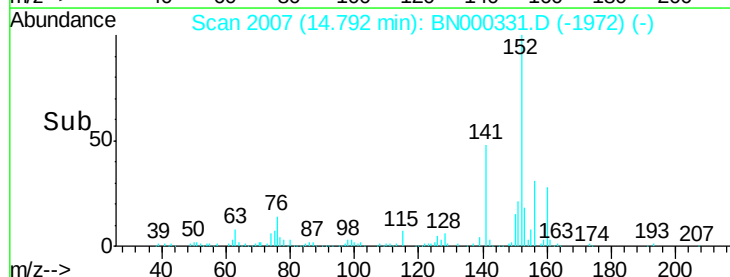
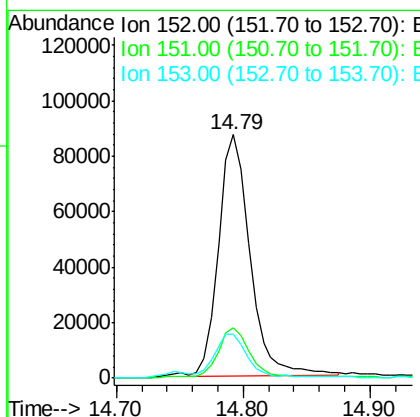
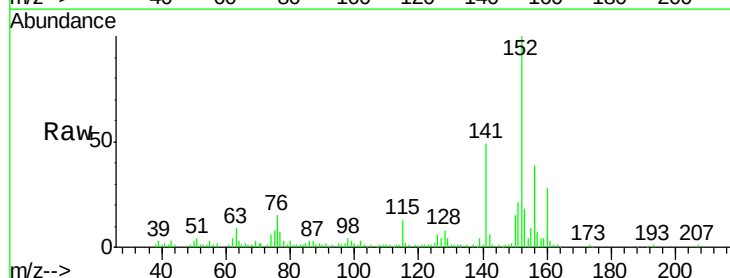
RT: 14.79 min Scan# 2007

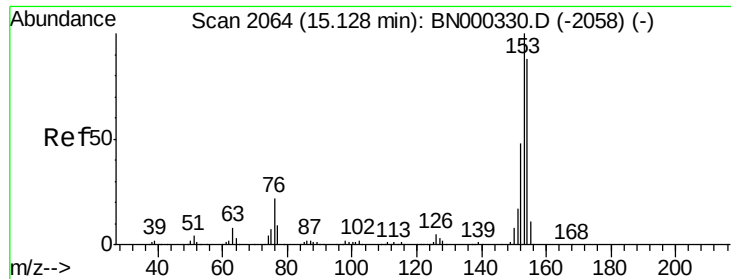
Delta R.T. 0.01 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.7	25.1
153	18.2	10.2	15.4#





#9

Acenaphthene

Concen: 27.231 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.01 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Instrument :

BNA_N

ClientSampled :

DAM69

Tgt Ion:153 Resp: 2043307

Ion Ratio Lower Upper

153 100

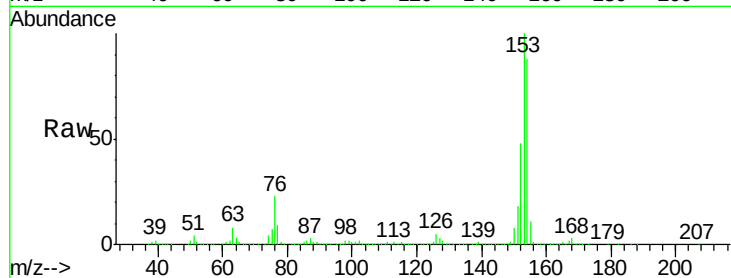
152 48.1 39.0 58.6

154 88.1 66.8 100.2

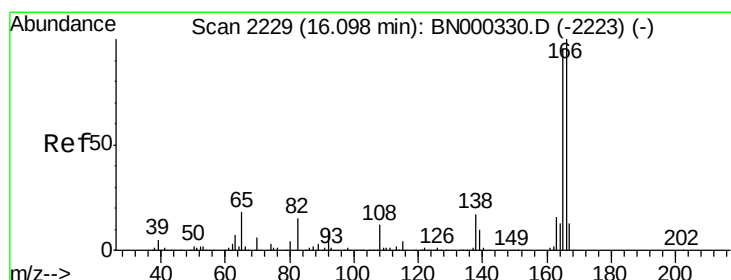
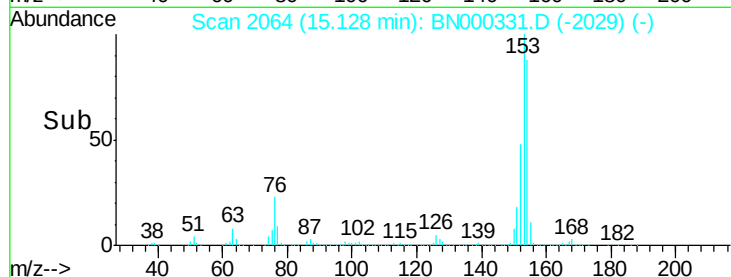
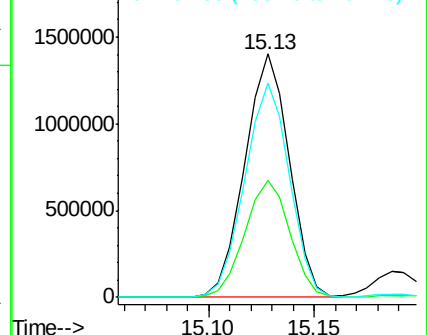
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 31.802 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

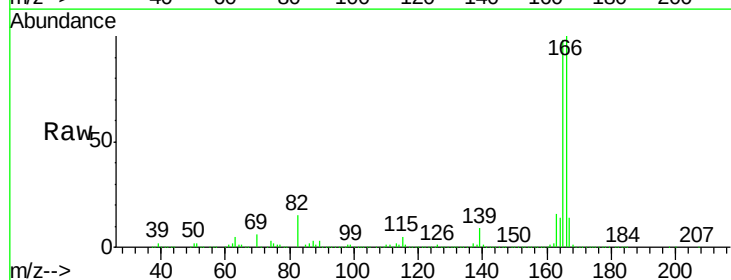
Tgt Ion:166 Resp: 2631920

Ion Ratio Lower Upper

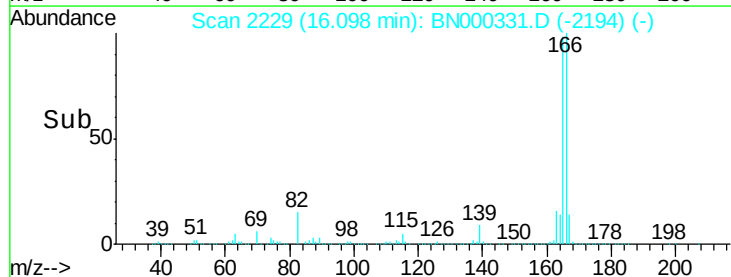
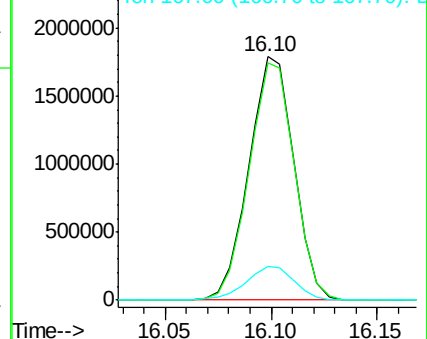
166 100

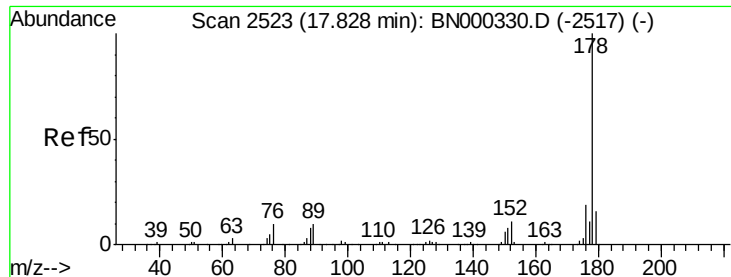
165 97.7 83.8 125.8

167 13.9 11.5 17.3



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





#13

Phenanthrene

Concen: 116.109 ng/ul m

RT: 17.85 min Scan# 2526

Delta R.T. 0.02 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Instrument :

BNA_N

ClientSampled :

DAM69

Tgt Ion:178 Resp:14652950

Ion Ratio Lower Upper

178 100

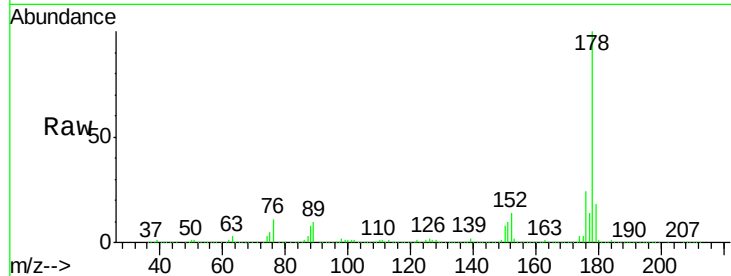
179 18.5 12.3 18.5

176 23.5 15.1 22.7#

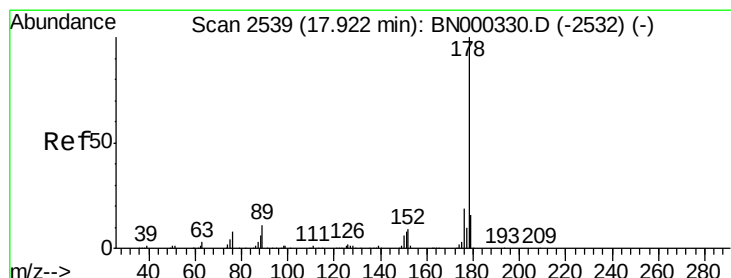
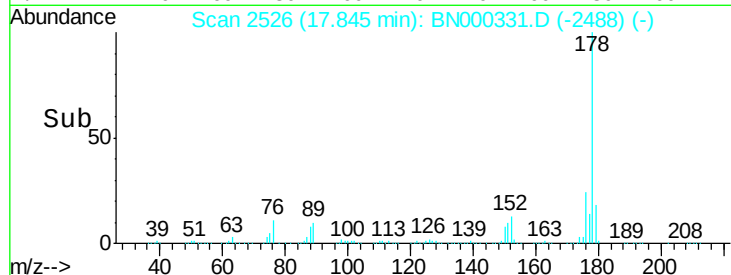
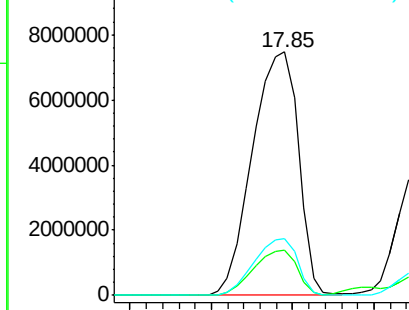
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Abundance Ion 178.00 (177.70 to 178.70): E
1e+07 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Anthracene

Concen: 41.522 ng/ul

RT: 17.92 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

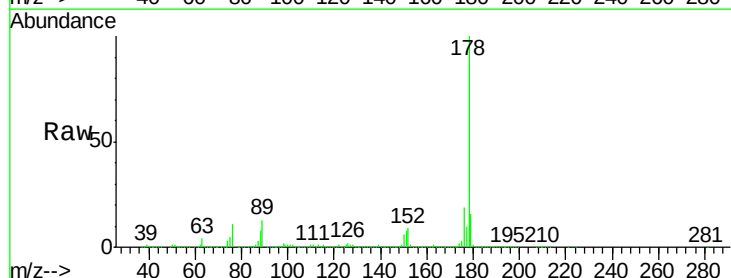
Tgt Ion:178 Resp: 5316960

Ion Ratio Lower Upper

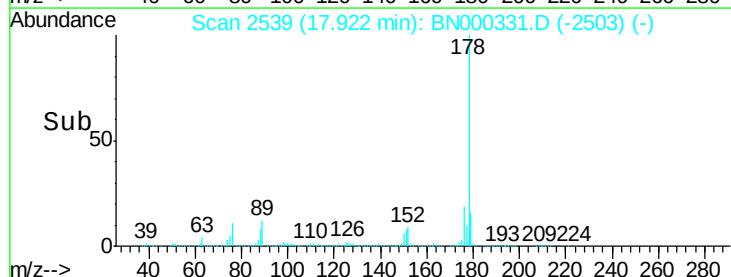
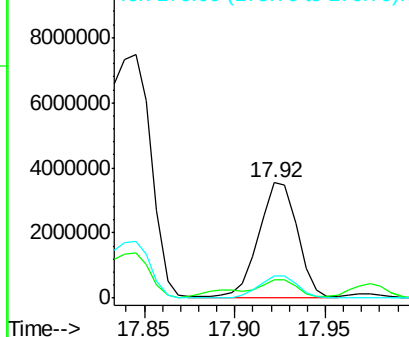
178 100

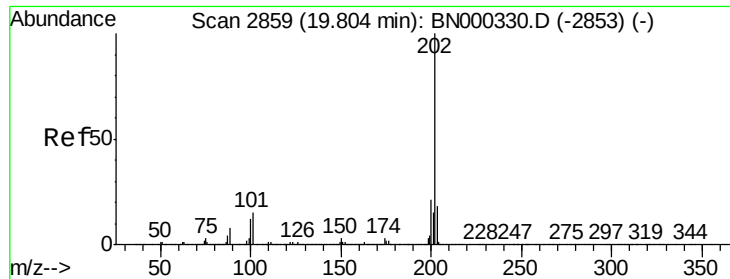
179 16.3 11.8 17.8

176 19.3 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E
1e+07 Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





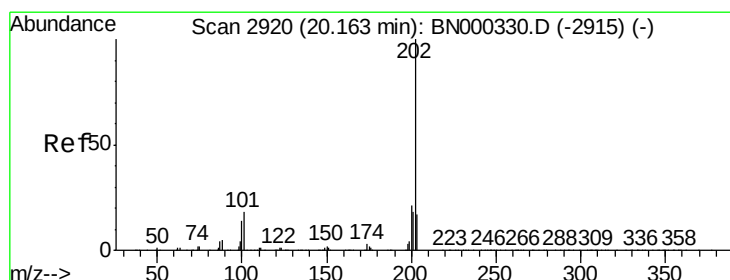
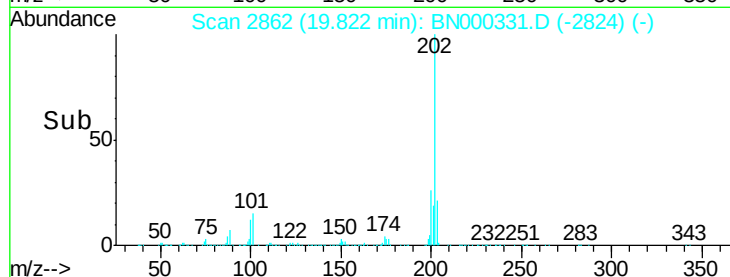
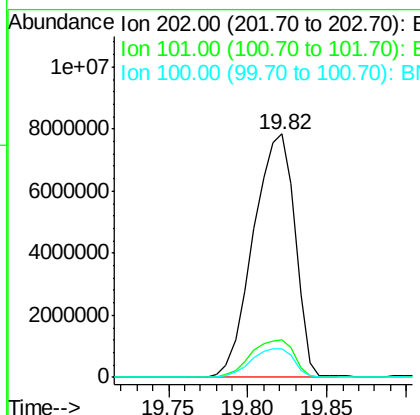
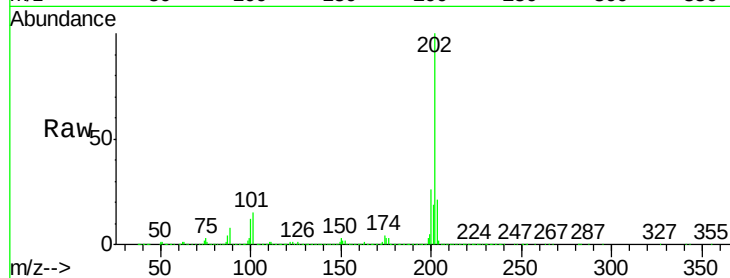
#16
 Fluoranthene
 Concen: 105.074 ng/ul
 RT: 19.82 min Scan# 2862
 Delta R.T. 0.02 min
 Lab File: BN000331.D
 Acq: 13 Mar 2018 03:00

Instrument :
 BNA_N
 ClientSampled :
 DAM69

Tgt Ion:202 Resp:14327176
 Ion Ratio Lower Upper
 202 100
 101 15.2 9.9 14.9#
 100 11.6 7.4 11.0#

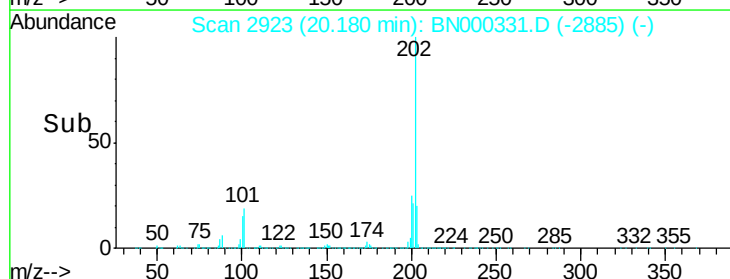
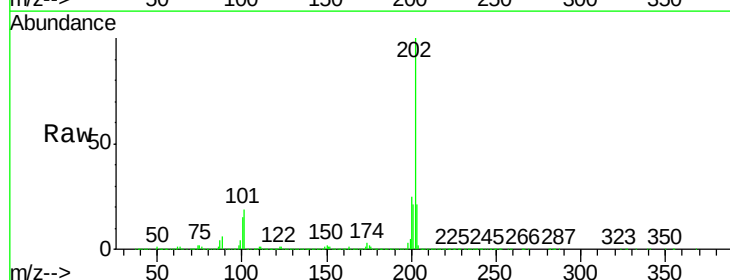
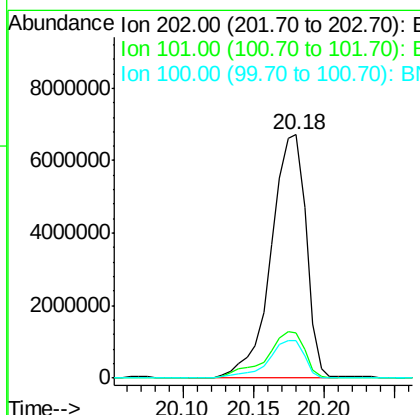
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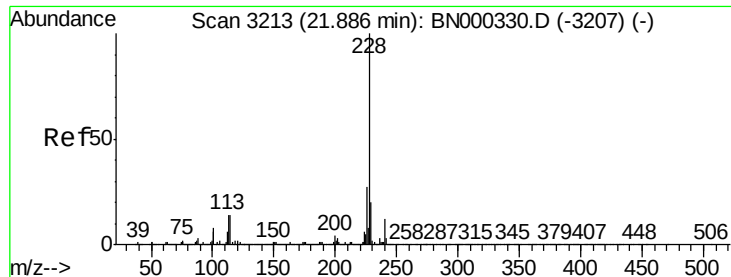
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#19
 Pyrene
 Concen: 105.727 ng/ul
 RT: 20.18 min Scan# 2923
 Delta R.T. 0.02 min
 Lab File: BN000331.D
 Acq: 13 Mar 2018 03:00

Tgt Ion:202 Resp:11642343
 Ion Ratio Lower Upper
 202 100
 101 18.5 11.0 16.4#
 100 15.3 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 62.977 ng/ul

RT: 21.89 min Scan# 3214

Delta R.T. 0.02 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Instrument :

BNA_N

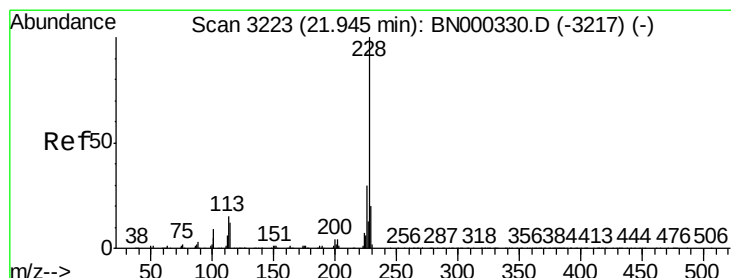
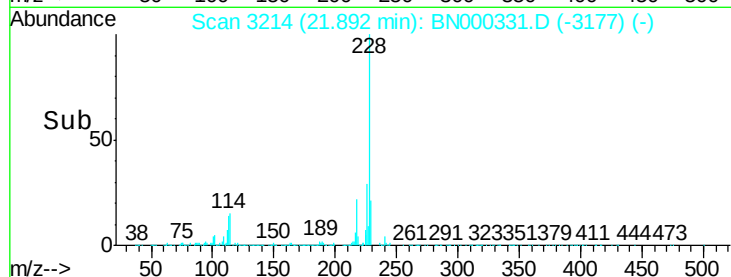
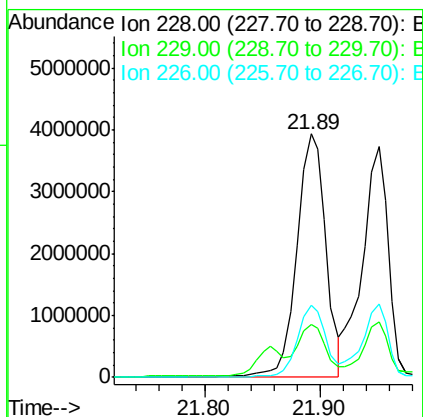
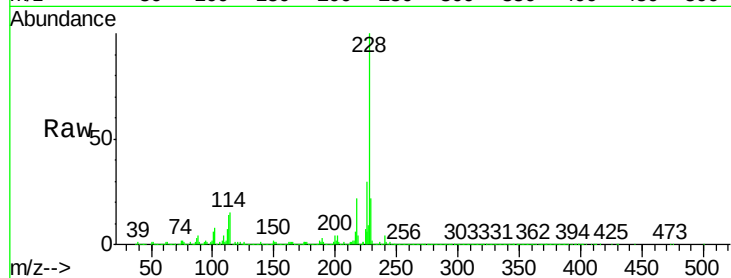
ClientSampled :

DAM69

Tgt Ion:	228	Resp:	6828519
Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.7	23.5
226	29.6	21.1	31.7

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#21

Chrysene

Concen: 57.695 ng/ul m

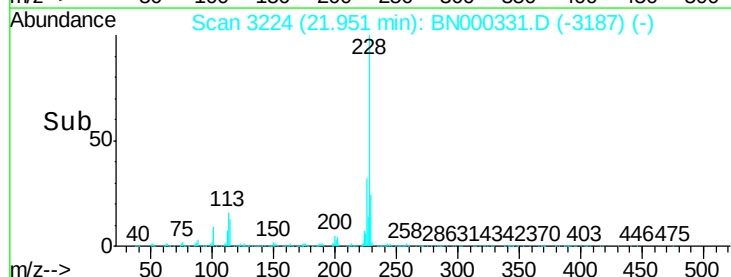
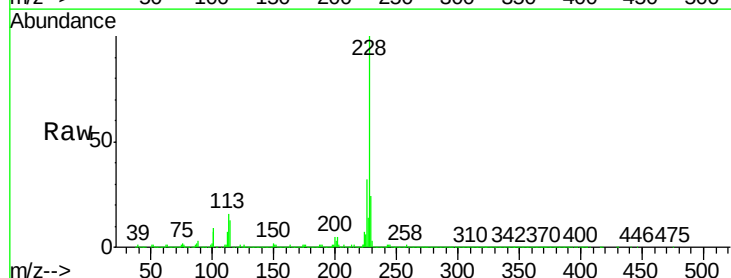
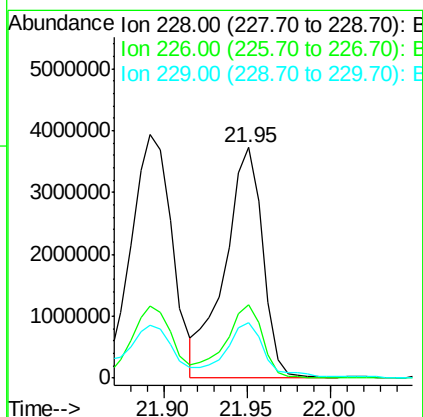
RT: 21.95 min Scan# 3224

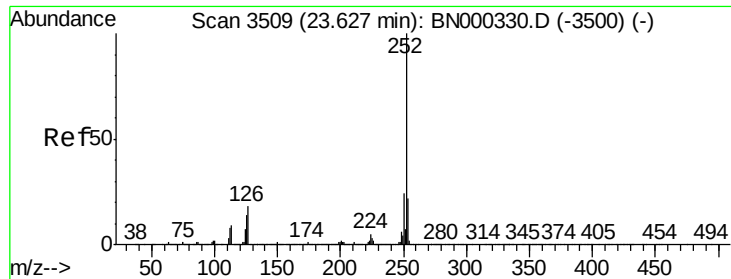
Delta R.T. 0.02 min

Lab File: BN000331.D

Acq: 13 Mar 2018 03:00

Tgt Ion:	228	Resp:	5936666
Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.5	36.7
229	23.8	15.8	23.8#





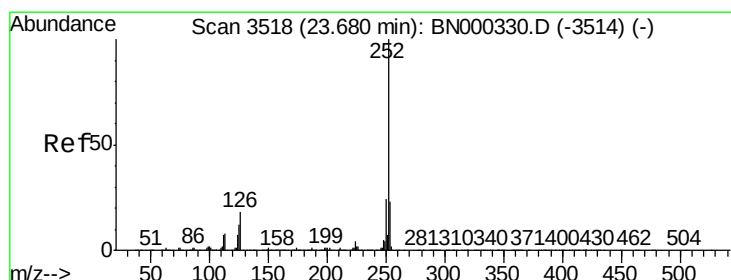
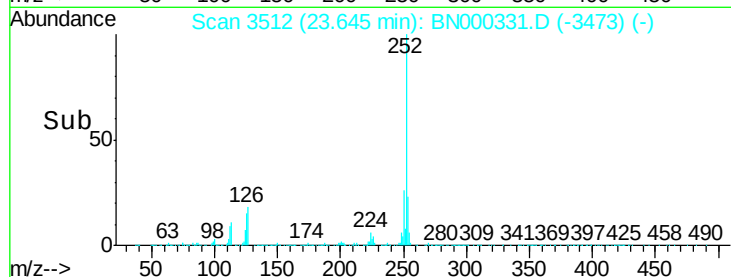
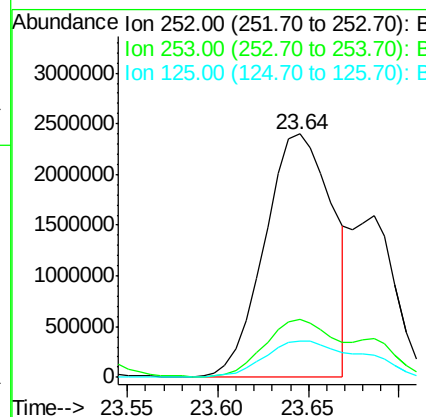
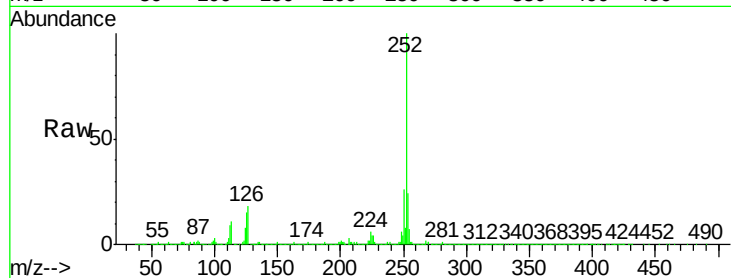
#23
Benzo(b)fluoranthene
Concen: 65.067 ng/ul
RT: 23.64 min Scan# 3512
Delta R.T. 0.03 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Instrument :
BNA_N
ClientSampleId :
DAM69

Tgt Ion:252 Resp: 6214505
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 15.1 8.0 12.0#

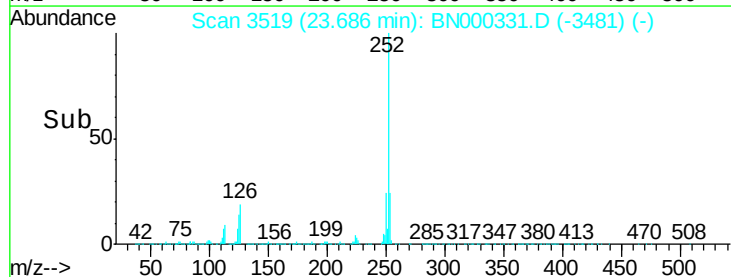
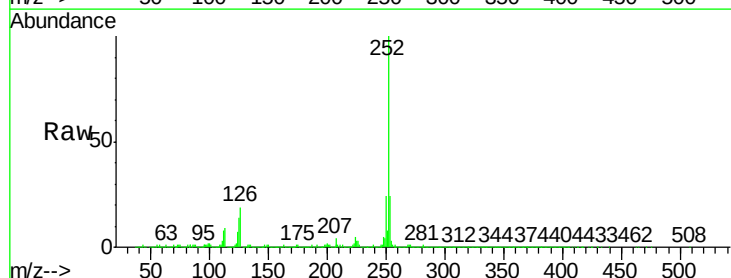
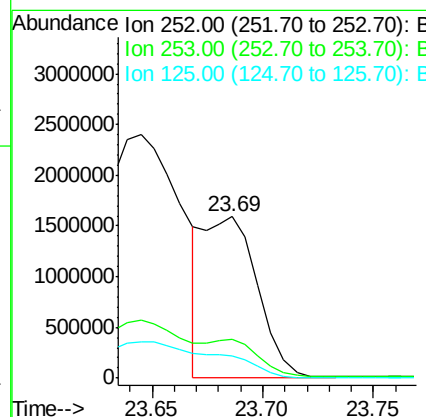
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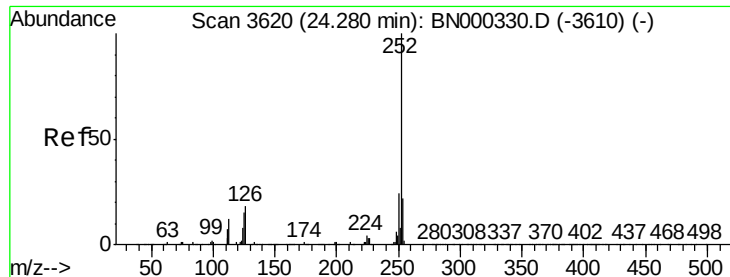
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#24
Benzo(k)fluoranthene
Concen: 29.996 ng/ul m
RT: 23.69 min Scan# 3519
Delta R.T. 0.02 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Tgt Ion:252 Resp: 2681655
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 14.1 8.1 12.1#





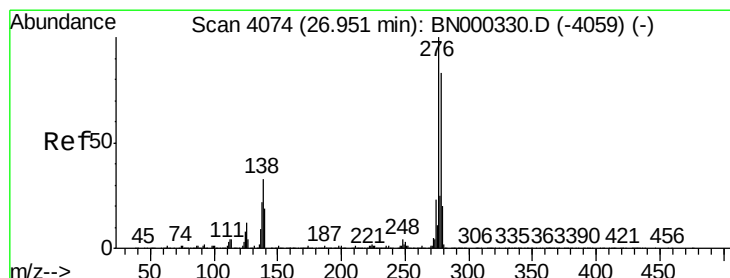
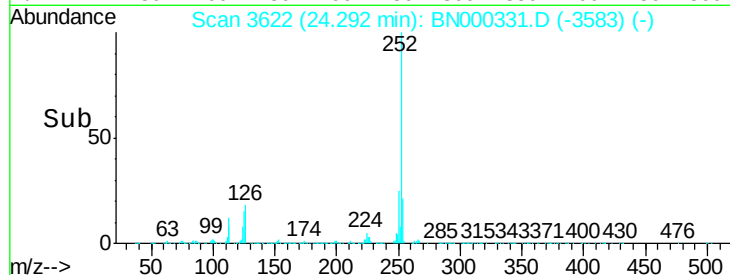
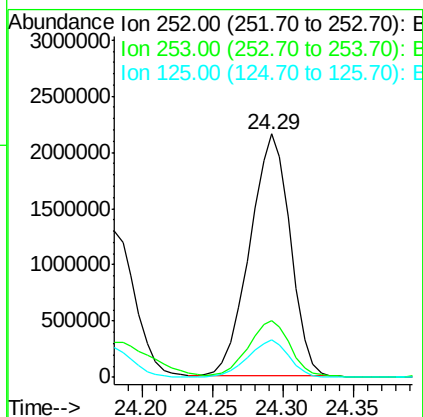
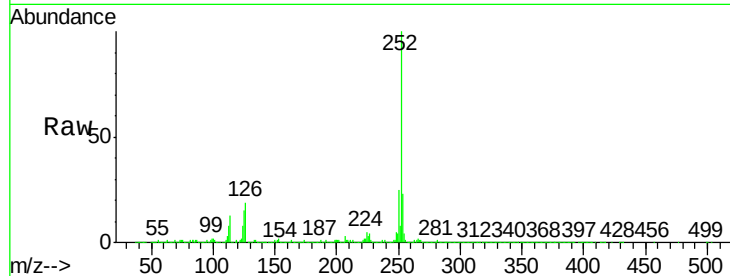
#26
Benzo(a)pyrene
Concen: 47.726 ng/ul
RT: 24.29 min Scan# 3622
Delta R.T. 0.03 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Instrument :
BNA_N
ClientSampleId :
DAM69

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	15.2	8.2	12.4

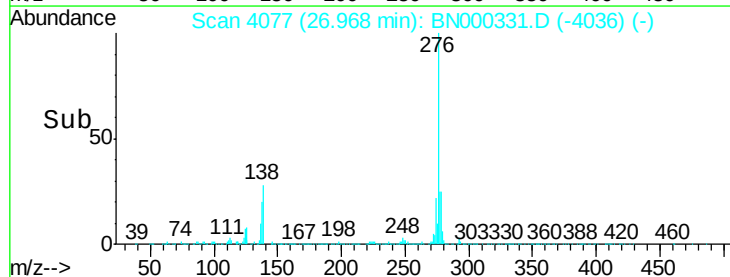
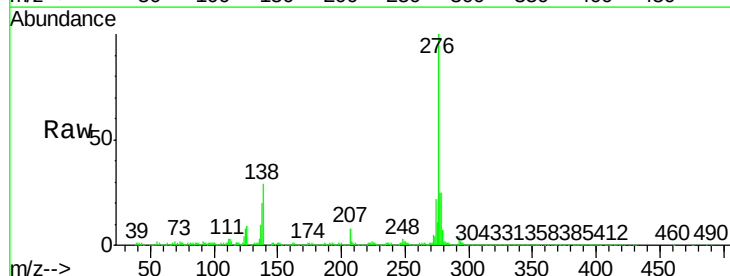
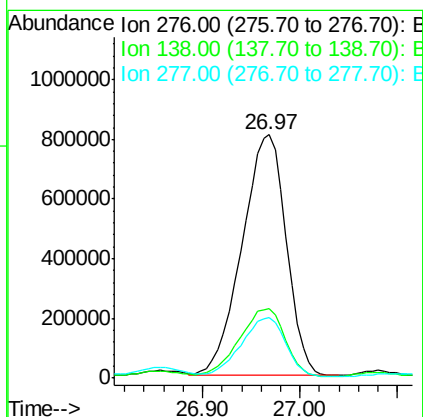
Manual Integrations
APPROVED

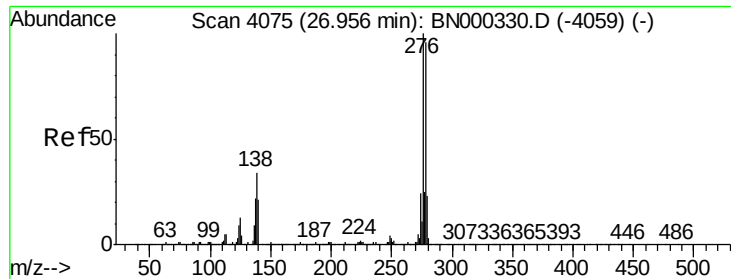
Sohil
3/13/2018 5:33:18 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 26.065 ng/ul
RT: 26.97 min Scan# 4077
Delta R.T. 0.04 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	14.4	21.6
277	25.0	18.0	27.0





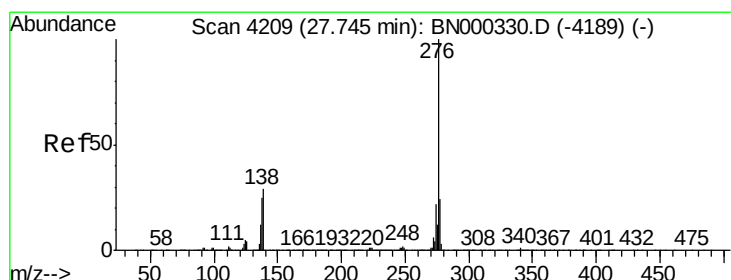
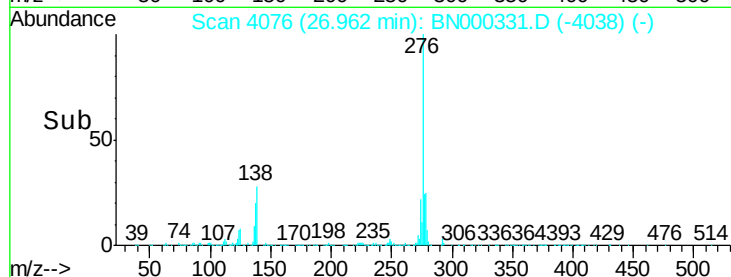
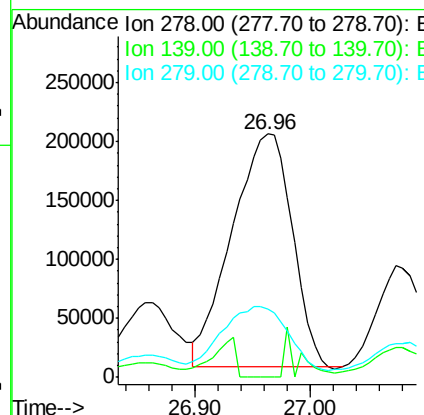
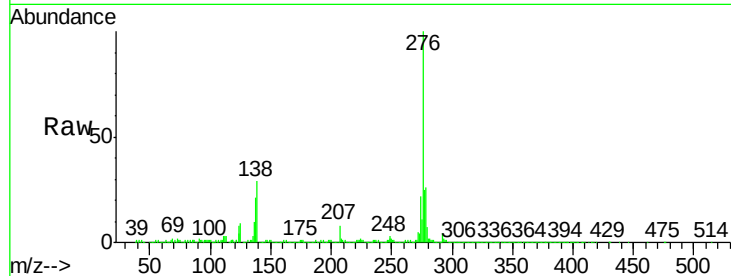
#28
Dibenzo(a,h)anthracene
Concen: 8.936 ng/ul
RT: 26.96 min Scan# 4076
Delta R.T. 0.02 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Instrument :
BNA_N
ClientSampled :
DAM69

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	28.1	19.2	28.8

Manual Integrations
APPROVED

Sohil
3/13/2018 5:33:18 PM



#29
Benzo(g,h,i)perylene
Concen: 24.224 ng/ul
RT: 27.76 min Scan# 4212
Delta R.T. 0.05 min
Lab File: BN000331.D
Acq: 13 Mar 2018 03:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	15.3	22.9#
277	24.7	19.0	28.4

