

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
 Data File : BN001989.D
 Acq On : 06 Jul 2018 14:39
 Operator : JU/SJ
 Sample : J3765-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H09

Manual Integrations
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Quant Time: Jul 07 01:46:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	693176	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3048601	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1688039	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3313200	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	1967051	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	2331361	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	16527	1.04	ng/uL	0.00
5) Phenol-d5	6.89	99	363024	5.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	242372	6.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	310944	6.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	284976	5.67	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	153698	6.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	166265	7.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	295635	5.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	69512	1.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	901509	6.32	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1159386	6.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	68568	2.61	ng/ul	0.00
57) Fluorene-d10	15.33	176	786336	6.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	85939	4.76	ng/ul	0.00
70) Anthracene-d10	17.19	188	1062941	6.64	ng/ul	0.00
76) Pyrene-d10	19.49	212	863190	8.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.40	264	787521	6.21	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.53	128	1126443	6.963	ng/ul	98
34) 2-Methylnaphthalene	12.15	142	387488	3.302	ng/ul	98
40) 1,1'-Biphenyl	13.17	154	160012	1.141	ng/ul#	94
44) Dimethylphthalate	13.80	163	209850	1.498	ng/ul	99
47) Acenaphthylene	14.06	152	3433041	20.211	ng/ul	99
49) Acenaphthene	14.40	153	411513	3.492	ng/ul	99
53) Dibenzofuran	14.73	168	802725	4.749	ng/ul	96
58) Fluorene	15.39	166	676021	5.012	ng/ul	100
69) Phenanthrene	17.13	178	5780467	30.971	ng/ul	99
71) Anthracene	17.22	178	16426521m	86.948	ng/ul	
72) Carbazole	17.49	167	7138948	45.110	ng/ul	97
74) Fluoranthene	19.15	202	19231496m	98.027	ng/ul	
77) Pyrene	19.52	202	20096387m	163.257	ng/ul	
80) Benzo(a)anthracene	21.28	228	14948353	120.243	ng/ul#	79
82) Chrysene	21.33	228	18328500	158.454	ng/ul#	86
85) Benzo(b)fluoranthene	22.88	252	26851827m	182.358	ng/ul	
86) Benzo(k)fluoranthene	22.92	252	9464935m	66.287	ng/ul	
88) Benzo(a)pyrene	23.45	252	11890096	86.410	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.80	276	10541939	71.999	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.80	278	2972923	24.397	ng/ul#	86
91) Benzo(a,h,i)perylene	26.49	276	6997505	57.936	ng/ul#	91

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

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

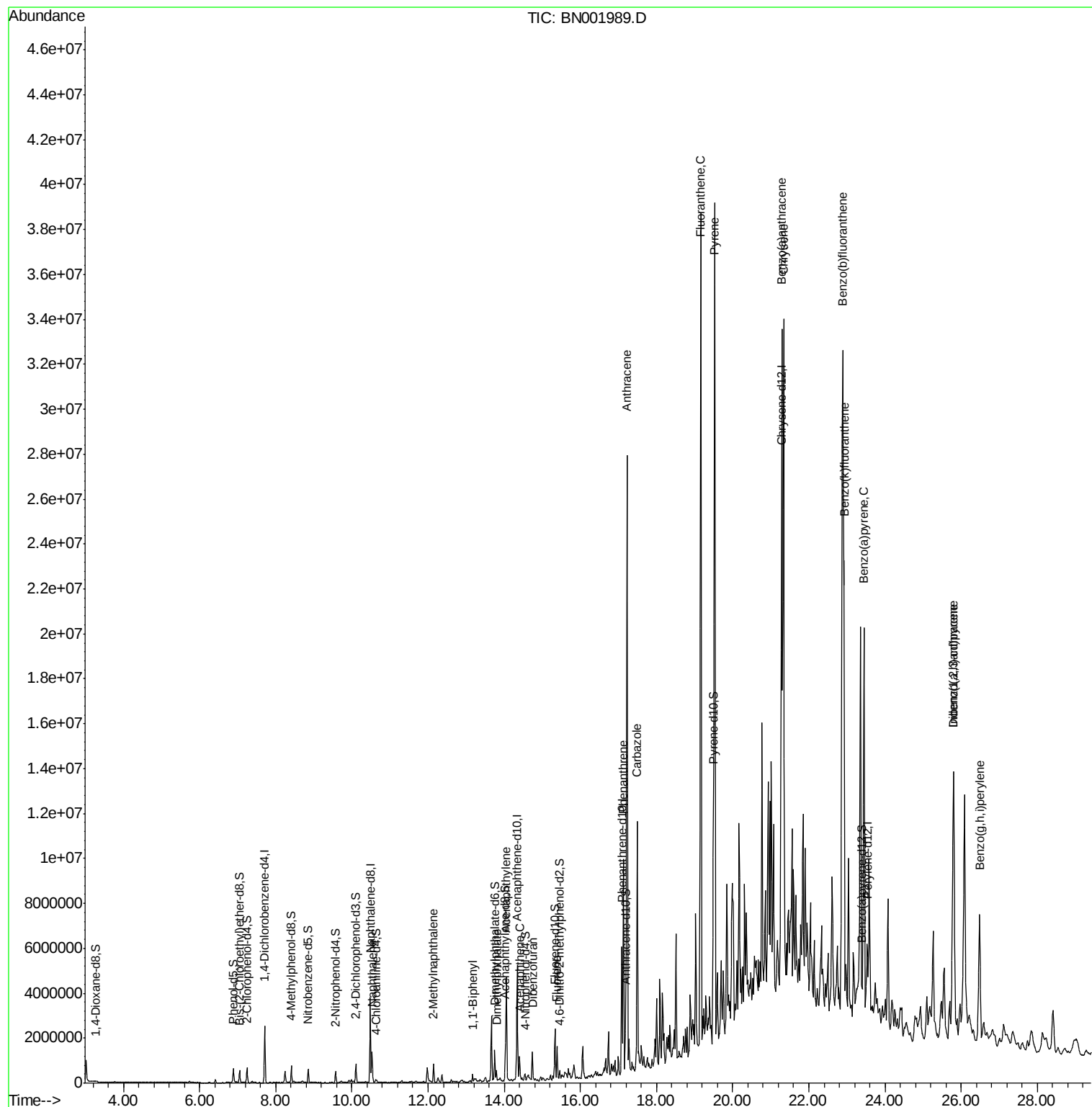
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
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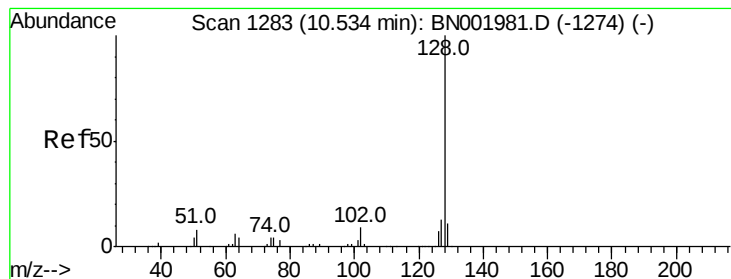
Instrument :
BNA_N
ClientSampled :
F1H09

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#28

Naphthalene

Concen: 6.963 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

F1H09

Tot Ion:128 Resp: 1126443

Ion Ratio Lower Upper

128 100

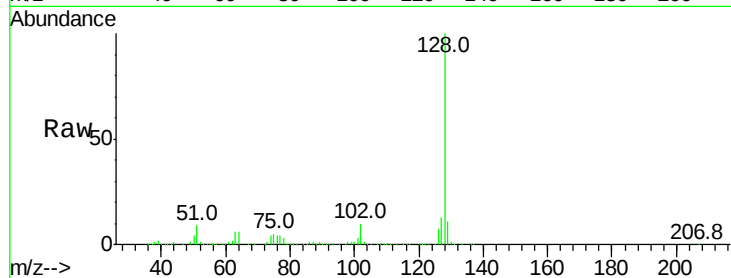
129 11.1 8.3 12.5

127 12.9 10.8 16.2

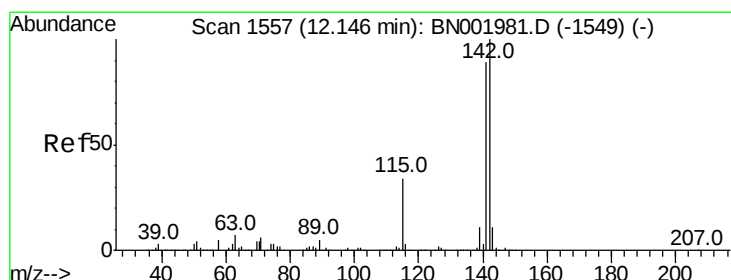
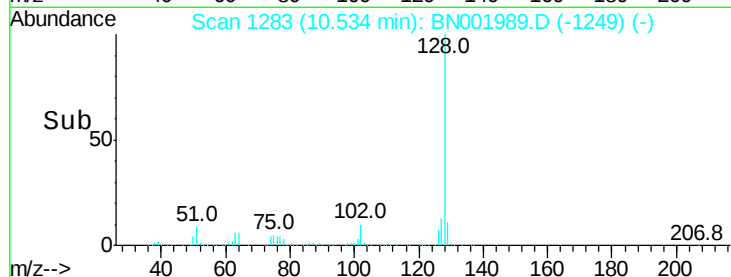
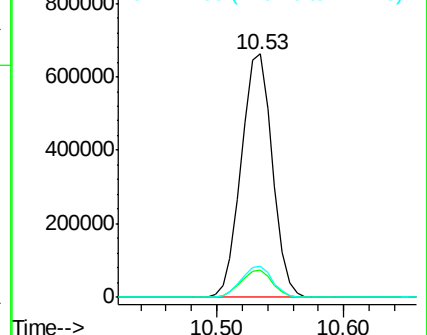
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 3.302 ng/ul

RT: 12.15 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BN001989.D

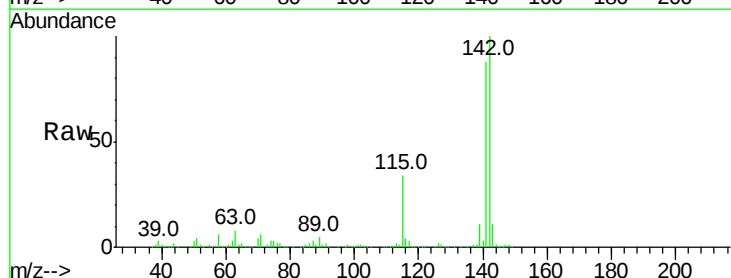
Acq: 06 Jul 2018 14:39

Tgt Ion:142 Resp: 387488

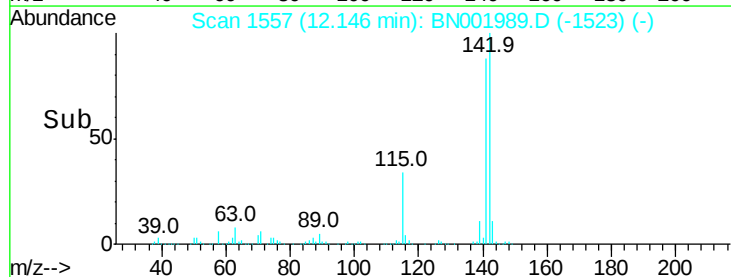
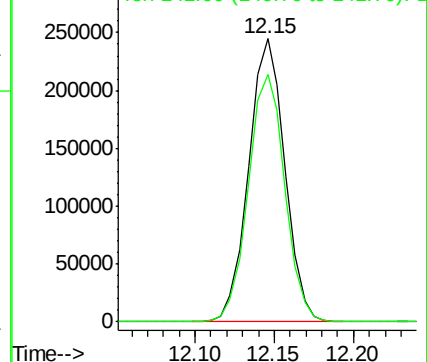
Ion Ratio Lower Upper

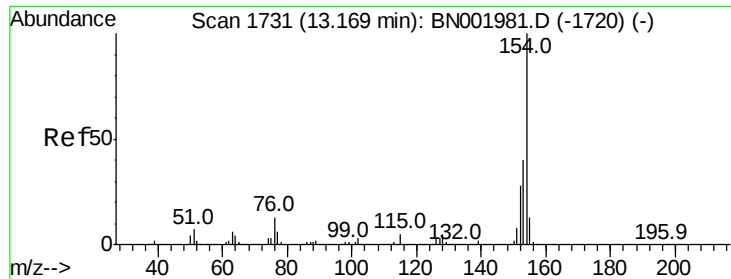
142 100

141 87.7 71.4 107.2



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





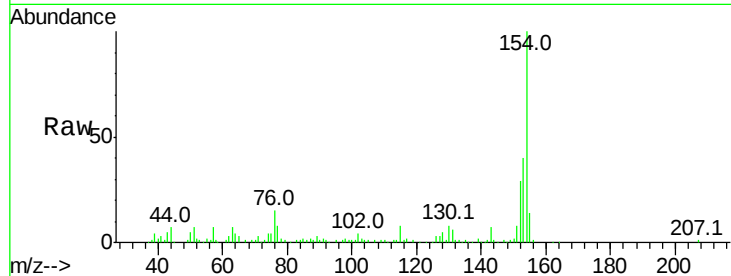
#40
 1,1'-Biphenyl
 Concen: 1.141 ng/ul
 RT: 13.17 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BN001989.D
 Acq: 06 Jul 2018 14:39

Instrument :
 BNA_N
 ClientSampleId :
 F1H09

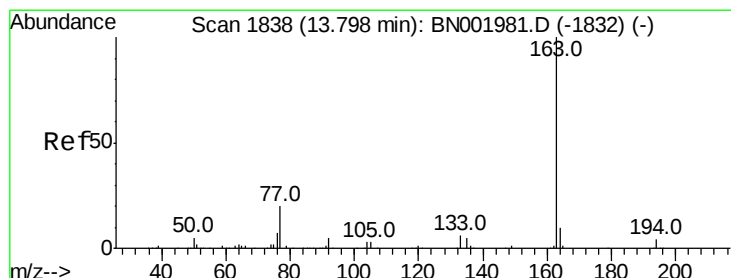
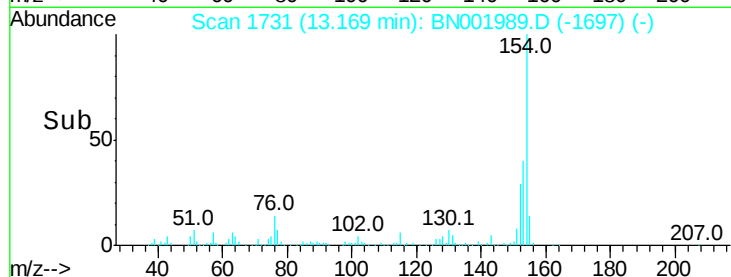
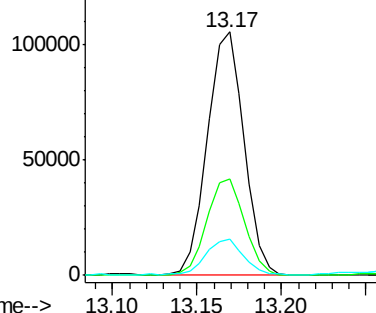
Tot Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.8	34.0	51.0
76	14.8	8.4	12.6

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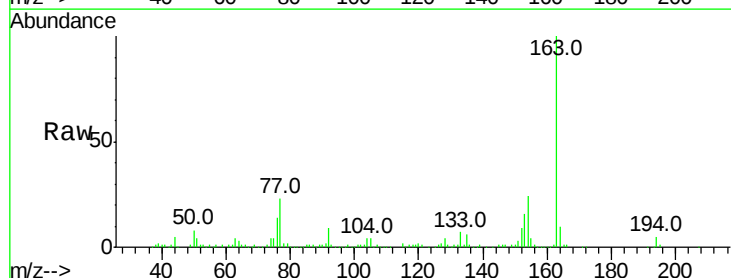


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

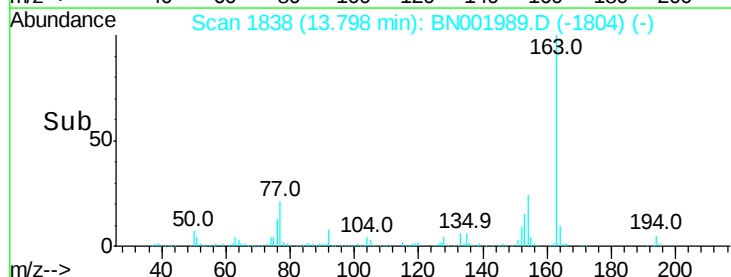
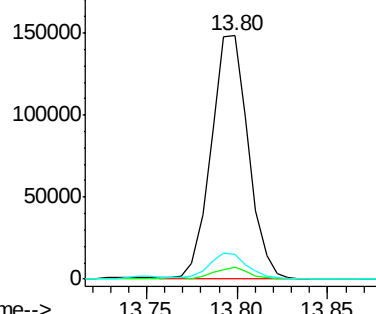


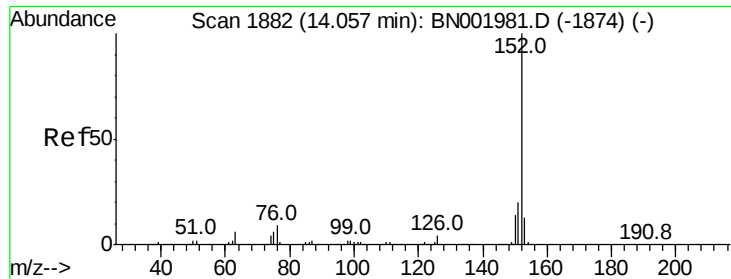
#44
 Dimethylphthalate
 Concen: 1.498 ng/ul
 RT: 13.80 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BN001989.D
 Acq: 06 Jul 2018 14:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.7	4.0	6.0
164	10.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





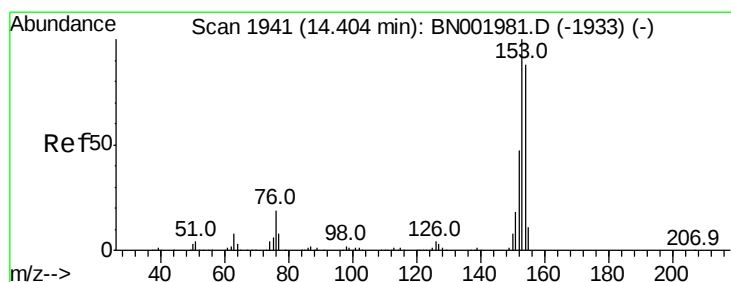
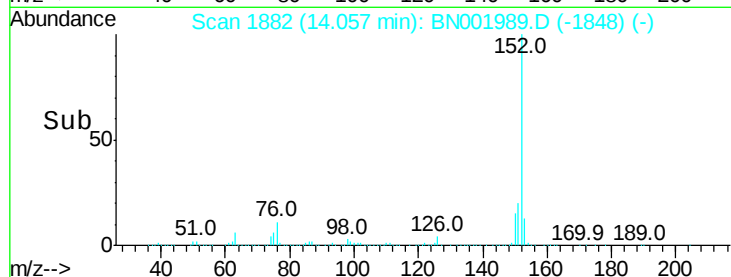
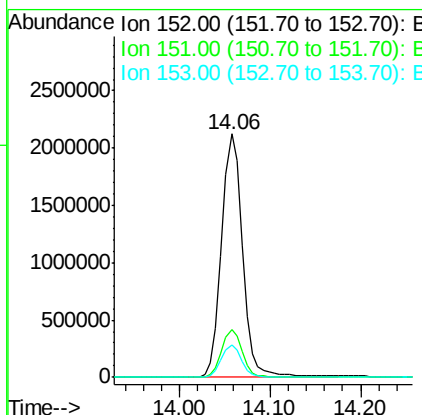
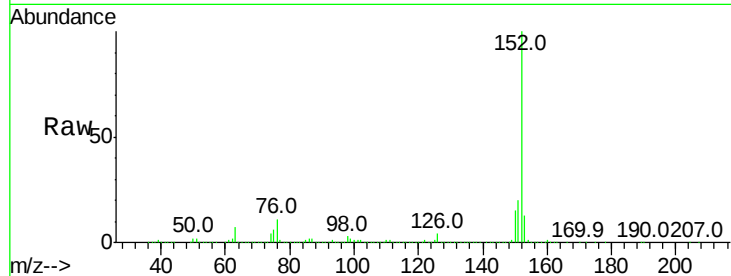
#47
Acenaphthylene
Concen: 20.211 ng/ul
RT: 14.06 min Scan# 1882
Delta R.T. 0.00 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Instrument :
BNA_N
ClientSampled :
F1H09

Tot Ion:152 Resp: 3433041
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.2 10.8 16.2

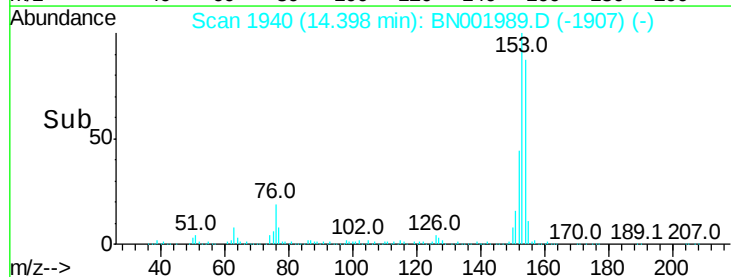
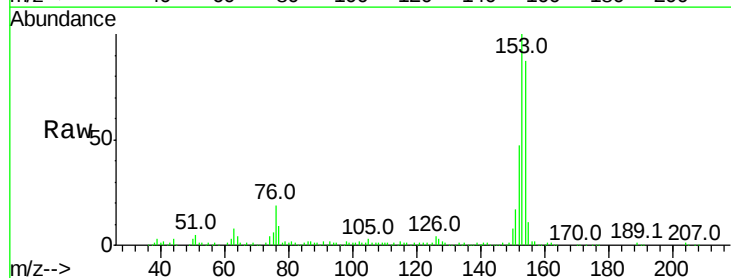
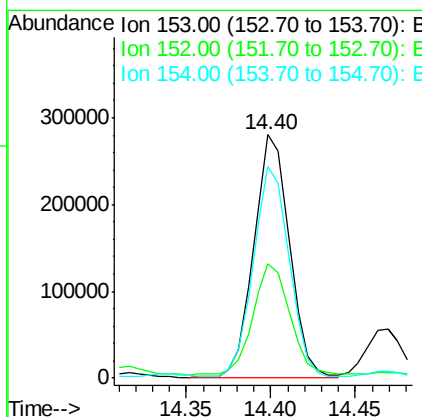
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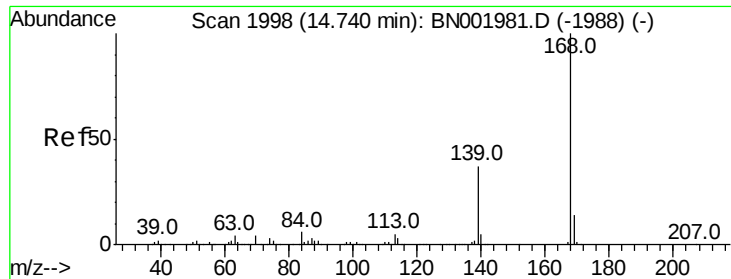
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#49
Acenaphthene
Concen: 3.492 ng/ul
RT: 14.40 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:153 Resp: 411513
Ion Ratio Lower Upper
153 100
152 46.9 37.9 56.9
154 86.8 69.8 104.6





#53

Dibenzofuran

Concen: 4.749 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

F1H09

Tot Ion:168 Resp: 802725

Ion Ratio Lower Upper

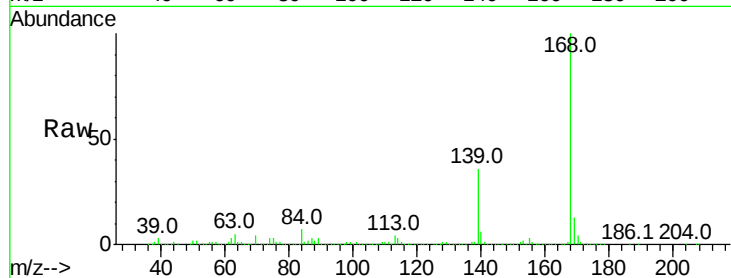
168 100

139 36.2 31.0 46.4

Manual Integrations
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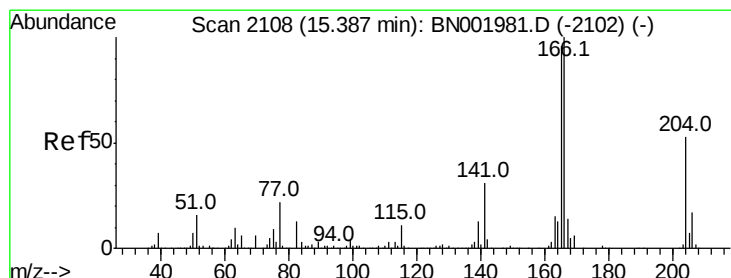
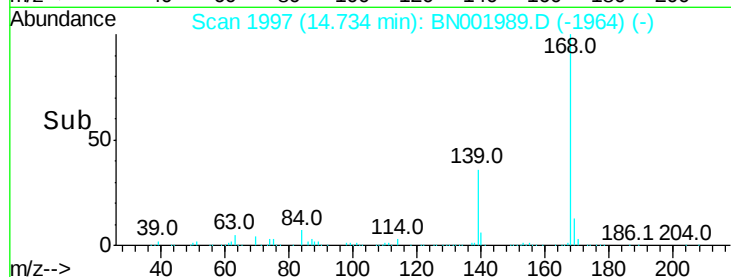
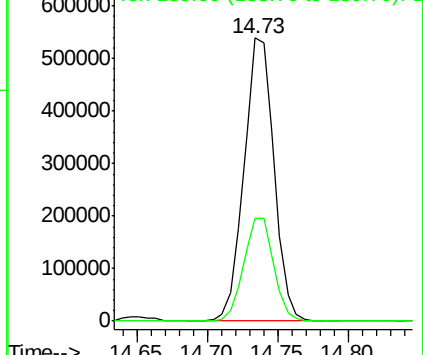
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 5.012 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

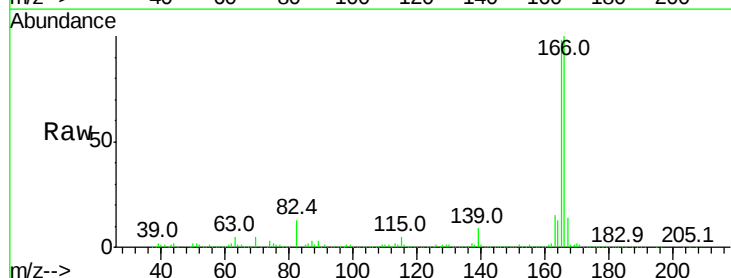
Tgt Ion:166 Resp: 676021

Ion Ratio Lower Upper

166 100

165 98.0 78.4 117.6

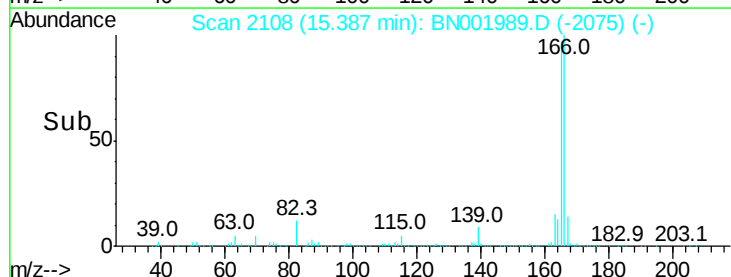
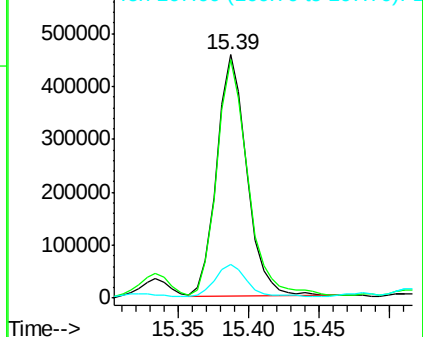
167 14.1 11.1 16.7

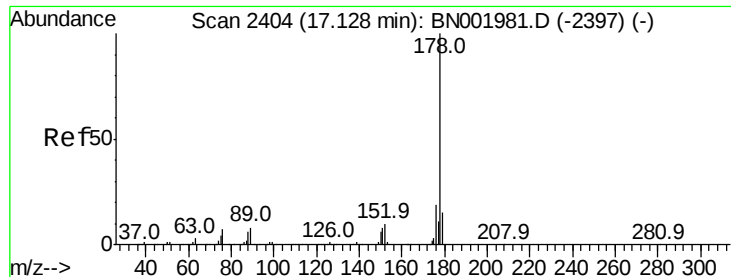


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





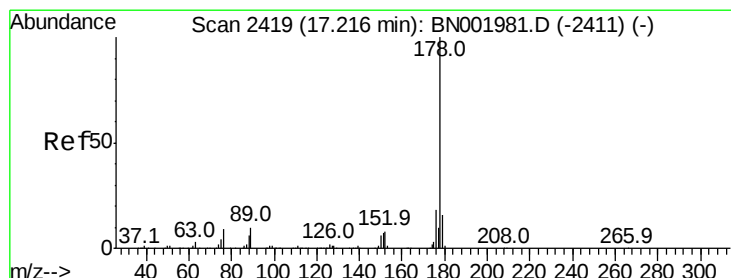
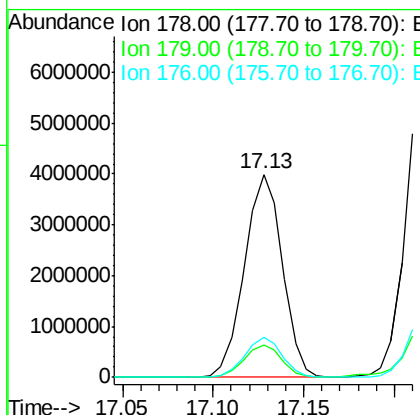
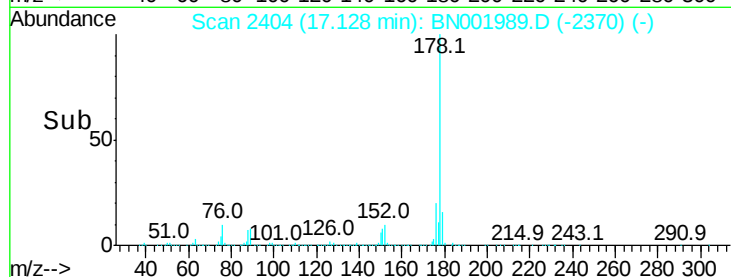
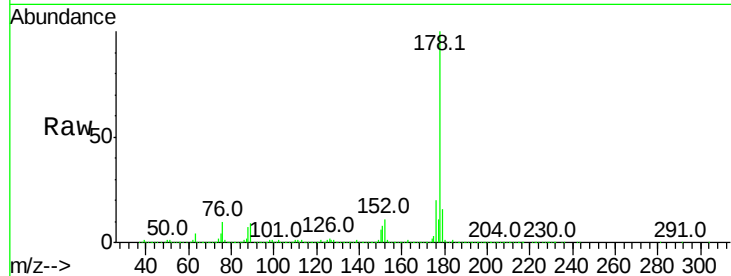
#69
Phenanthrene
Concen: 30.971 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Instrument :
BNA_N
ClientSampleId :
F1H09

Tot Ion:178 Resp: 5780467
Ion Ratio Lower Upper
178 100
179 16.0 12.3 18.5
176 19.5 15.4 23.0

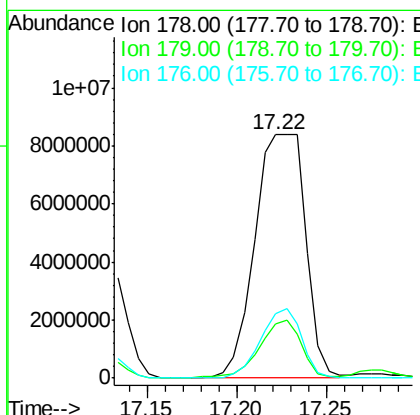
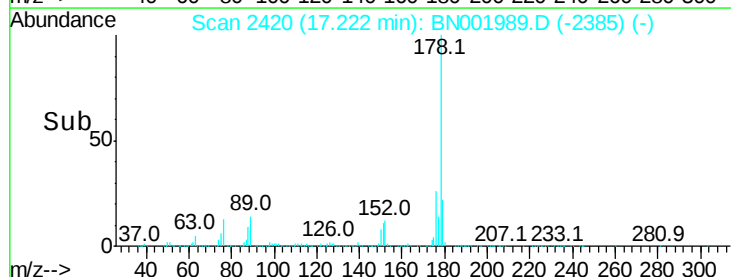
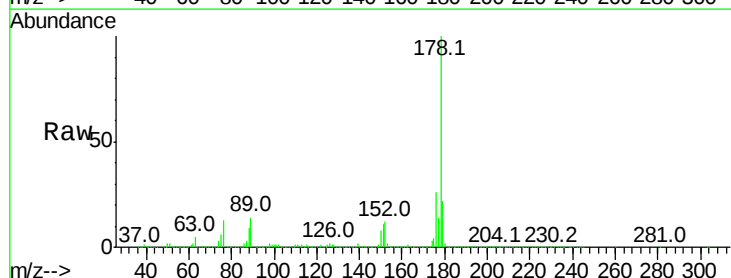
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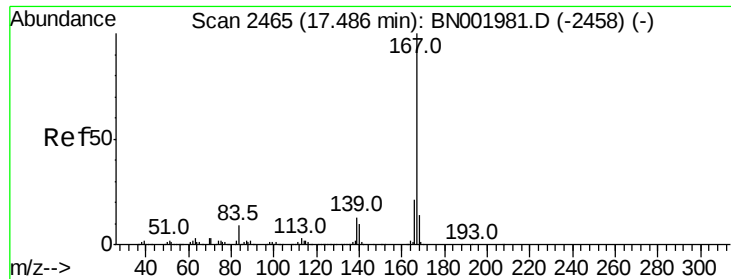
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#71
Anthracene
Concen: 86.948 ng/ul m
RT: 17.22 min Scan# 2420
Delta R.T. 0.01 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:178 Resp:16426521
Ion Ratio Lower Upper
178 100
179 22.2 13.4 20.2#
176 26.4 15.4 23.0#





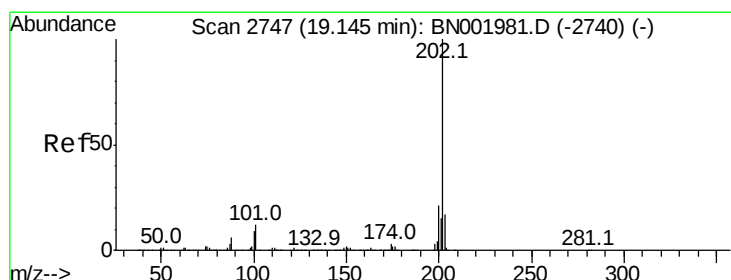
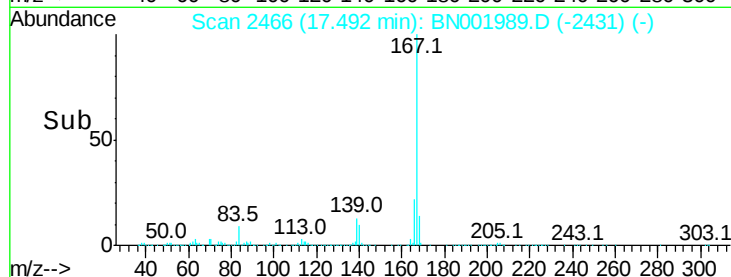
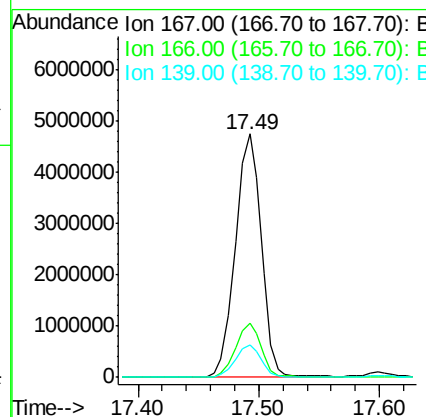
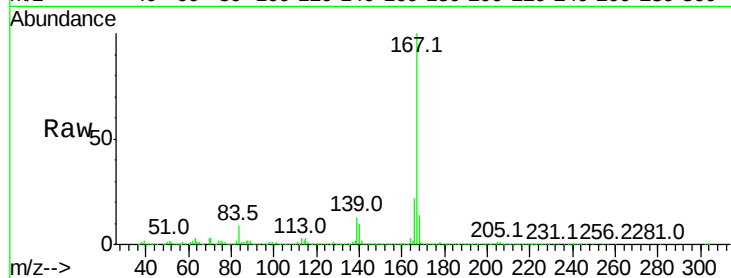
#72
 Carbazole
 Concen: 45.110 ng/ul
 RT: 17.49 min Scan# 2466
 Delta R.T. 0.01 min
 Lab File: BN001989.D
 Acq: 06 Jul 2018 14:39

Instrument :
 BNA_N
 ClientSampleId :
 F1H09

Tot Ion:167 Resp: 7138948
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.4
 139 13.2 9.1 13.7

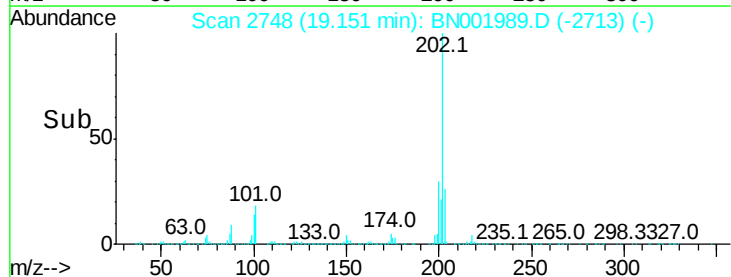
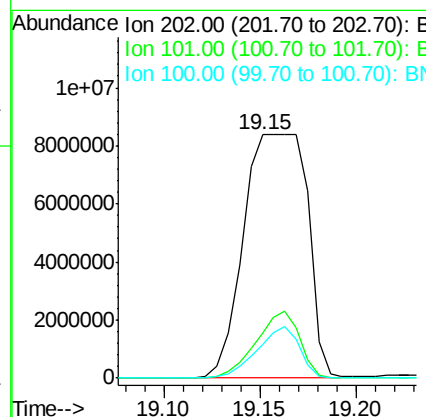
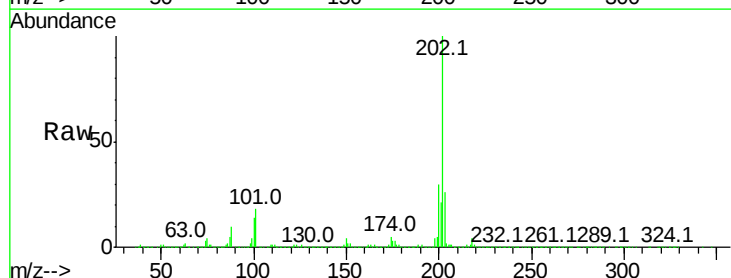
Manual Integrations
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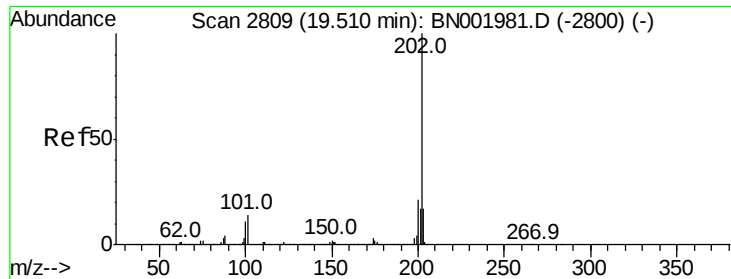
Sohil
 7/9/2018 2:09:24 PM



#74
 Fluoranthene
 Concen: 98.027 ng/ul m
 RT: 19.15 min Scan# 2748
 Delta R.T. 0.01 min
 Lab File: BN001989.D
 Acq: 06 Jul 2018 14:39

Tgt Ion:202 Resp:19231496
 Ion Ratio Lower Upper
 202 100
 101 18.4 6.1 9.1#
 100 13.9 4.6 7.0#





#77

Pvrene

Concen: 163.257 ng/ul m

RT: 19.52 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

F1H09

Tot Ion:202 Resp:20096387

Ion Ratio Lower Upper

202 100

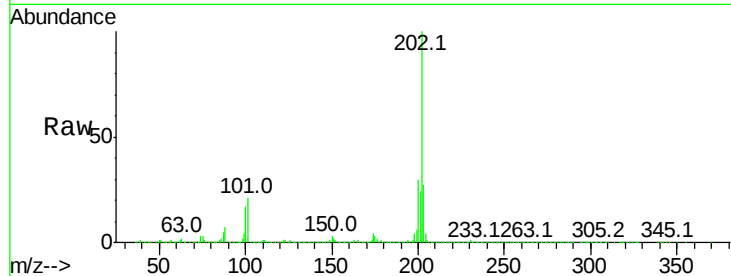
101 20.9 6.9 10.3#

100 17.1 5.6 8.4#

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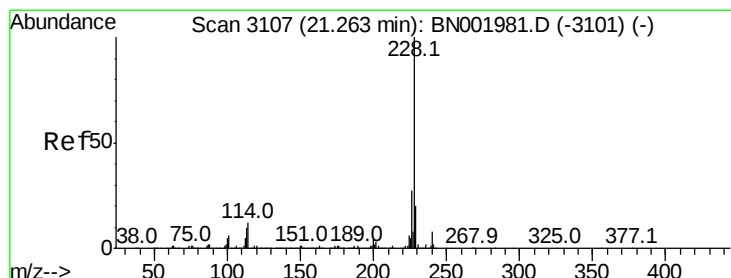
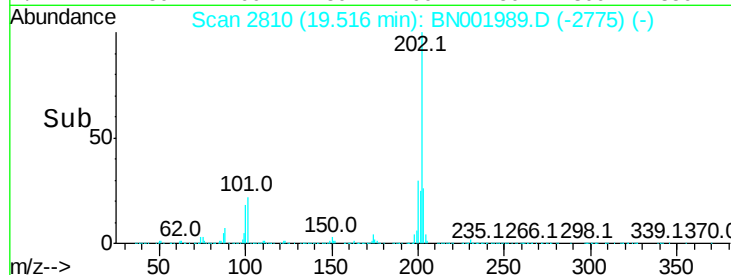
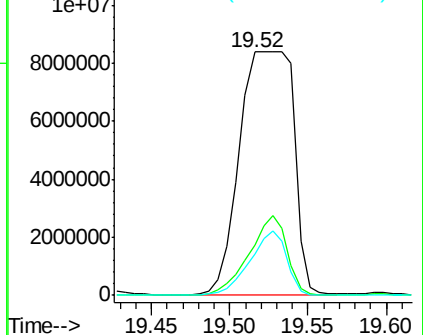
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 120.243 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

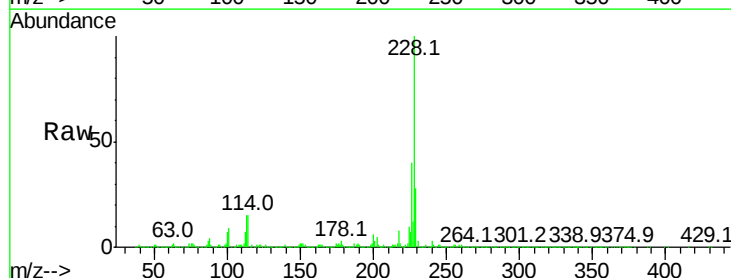
Tgt Ion:228 Resp:14948353

Ion Ratio Lower Upper

228 100

229 27.6 16.0 24.0#

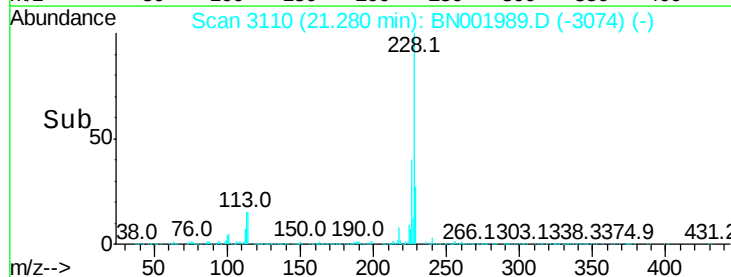
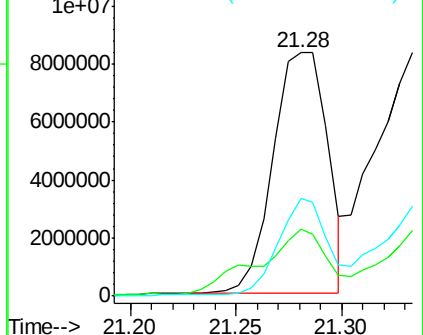
226 40.4 21.8 32.8#

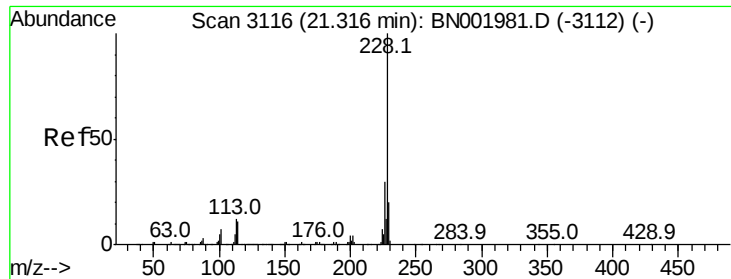


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 158.454 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

F1H09

Tot Ion:228 Resp:18328500

Ion Ratio Lower Upper

228 100

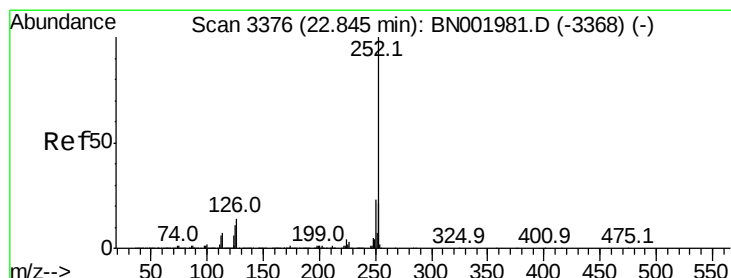
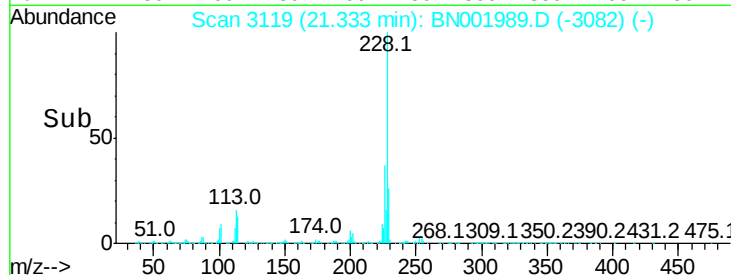
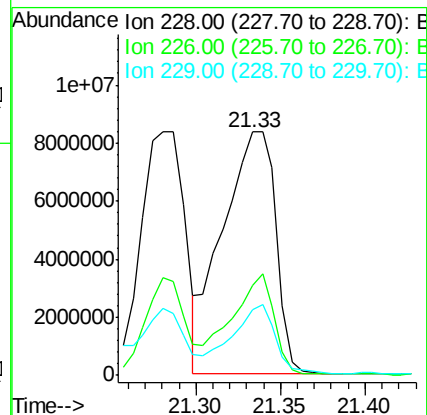
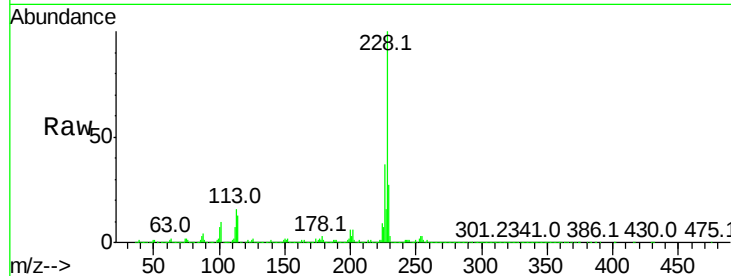
226 37.1 24.1 36.1#

229 26.9 16.0 24.0#

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 182.358 ng/ul m

RT: 22.88 min Scan# 3382

Delta R.T. 0.04 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

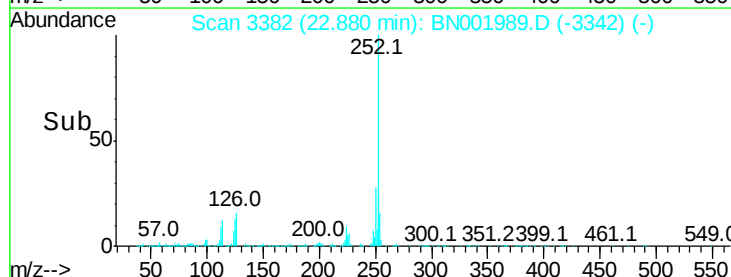
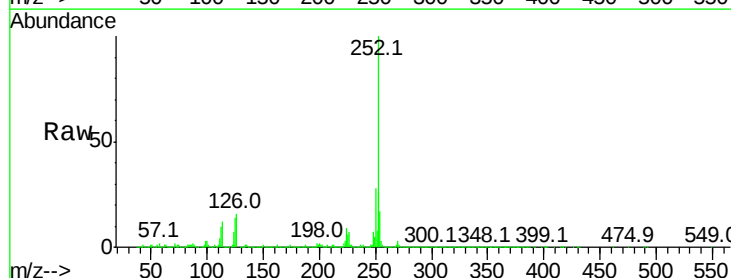
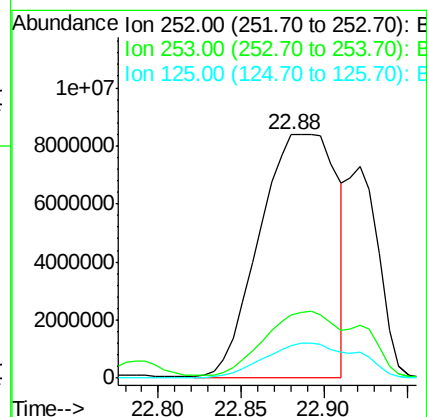
Tgt Ion:252 Resp:26851827

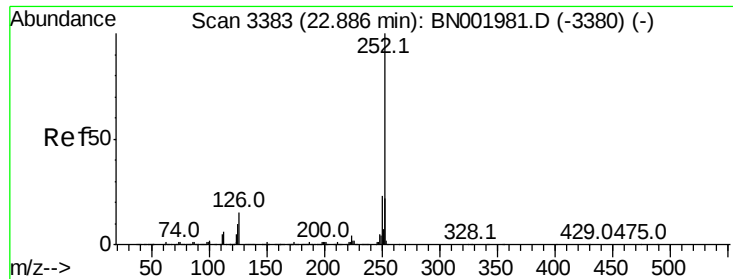
Ion Ratio Lower Upper

252 100

253 25.7 17.4 26.0

125 13.6 4.9 7.3#





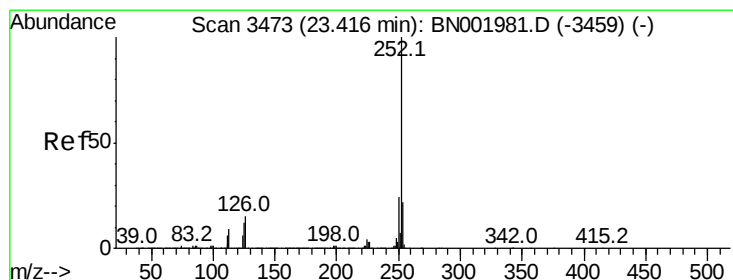
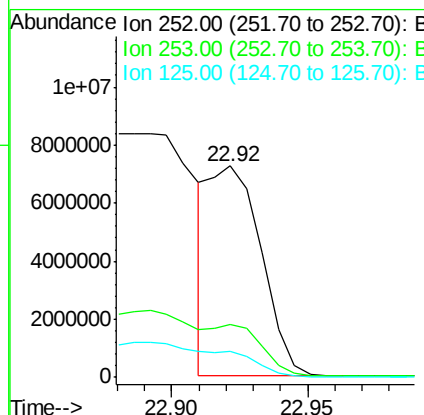
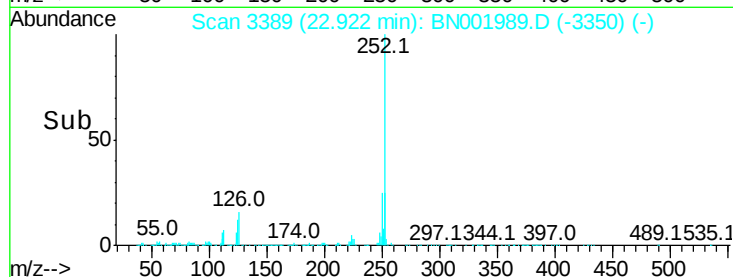
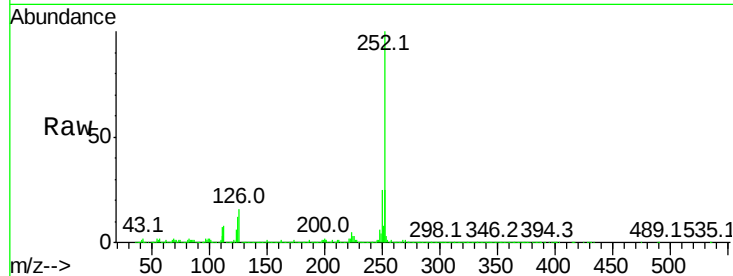
#86
Benzo(k)fluoranthene
Concen: 66.287 ng/ul m
RT: 22.92 min Scan# 3389
Delta R.T. 0.03 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Instrument :
BNA_N
ClientSampleId :
F1H09

Tot Ion:252 Resp: 9464935
Ion Ratio Lower Upper
252 100
253 25.2 17.1 25.7
125 12.0 5.4 8.0#

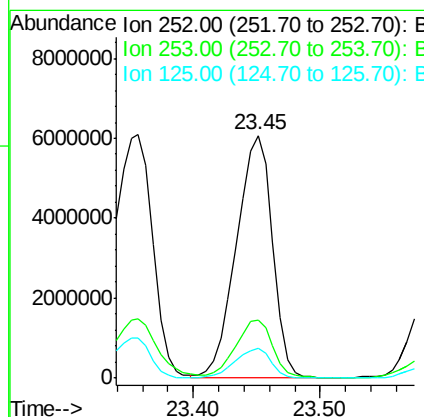
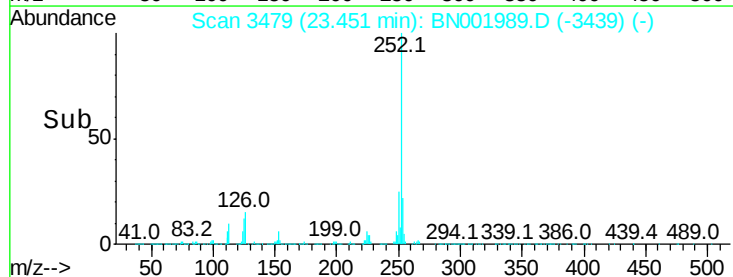
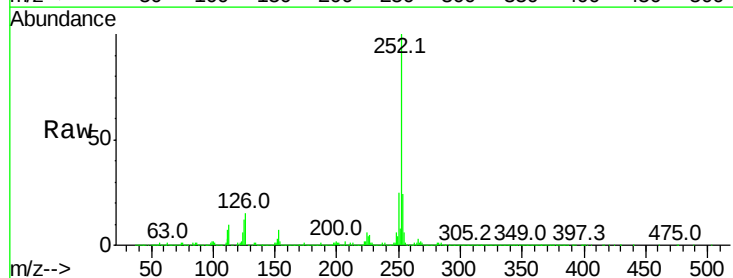
Manual Integrations
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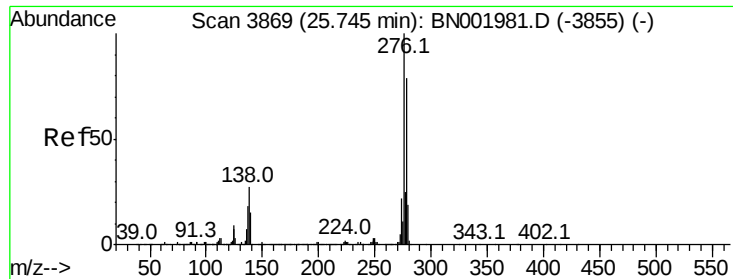
Sohil
7/9/2018 2:09:24 PM



#88
Benzo(a)pyrene
Concen: 86.410 ng/ul
RT: 23.45 min Scan# 3479
Delta R.T. 0.04 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:252 Resp:11890096
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 12.2 5.8 8.6#





#89

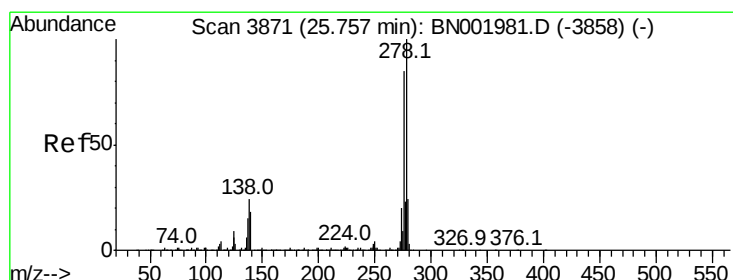
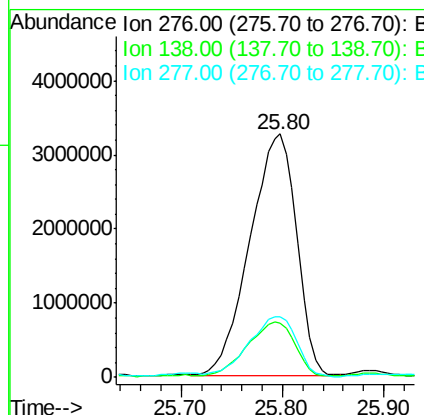
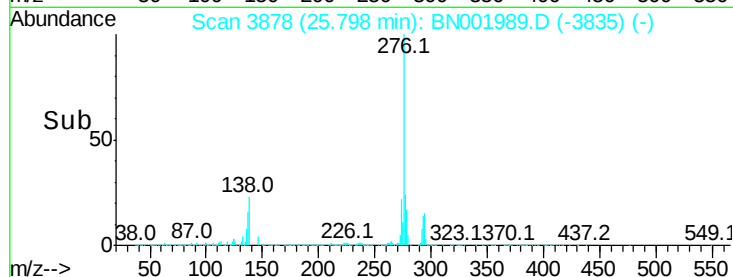
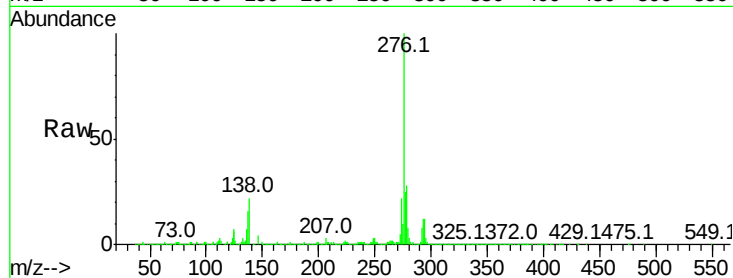
Indeno(1,2,3-cd)pyrene
Concen: 71.999 ng/ul
RT: 25.80 min Scan# 3878
Delta R.T. 0.05 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Instrument :
BNA_N
ClientSampleId :
F1H09

Tot Ion:276 Resp:10541939
Ion Ratio Lower Upper
276 100
138 22.1 10.9 16.3#
277 24.8 18.9 28.3

Manual Integrations
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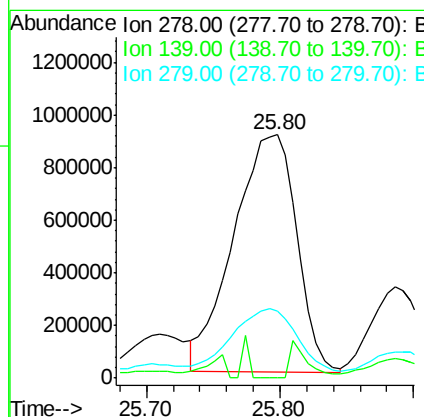
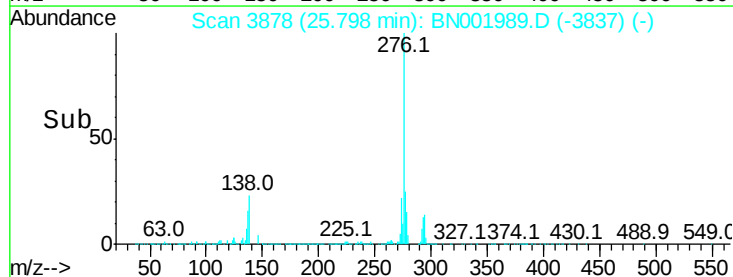
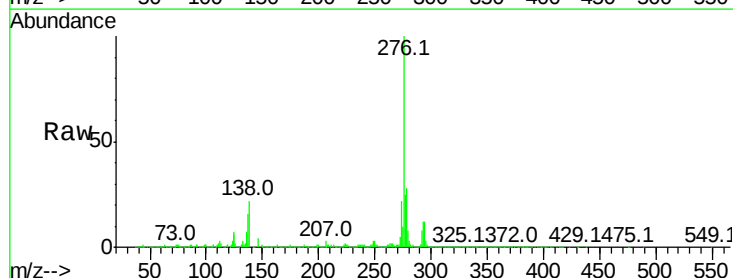
Sohil
7/9/2018 2:09:24 PM

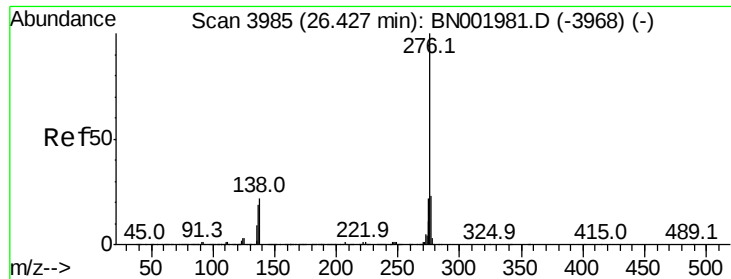


#90

Dibenzo(a,h)anthracene
Concen: 24.397 ng/ul
RT: 25.80 min Scan# 3878
Delta R.T. 0.04 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:278 Resp: 2972923
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.4#
279 27.3 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 57.936 ng/ul

RT: 26.49 min Scan# 3995

Delta R.T. 0.06 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

F1H09

Tot Ion:276 Resp: 6997505

Ion Ratio Lower Upper

276 100

138 22.8 11.2 16.8#

277 24.7 19.0 28.6

Manual Integrations
APPROVED

Sohil

7/9/2018 2:09:24 PM

