

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN032818\
 Data File : BN000663.D
 Acq On : 28 Mar 2018 17:28
 Operator : JU/SJ
 Sample : J2060-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 C0AT2

Manual Integrations
 APPROVED

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 3/29/2018 5:41:51 PM

Quant Time: Mar 29 08:18:49 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 29 07:07:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	170559	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	760386	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.02	164	412238	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.75	188	839067	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	665410	20.00	ng/ul	0.00
83) Perylene-d12	24.35	264	515247	20.00	ng/ul	-0.01

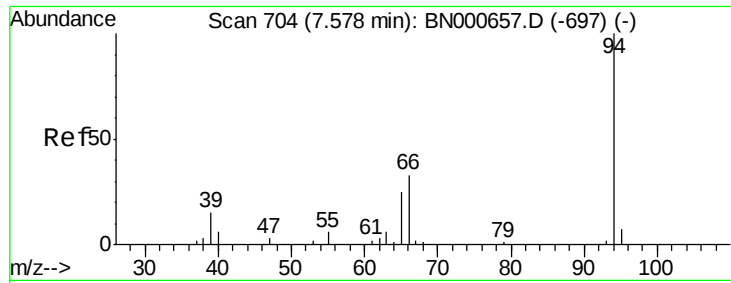
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	25259	5.29	ng/uL	0.00
5) Phenol-d5	7.55	99	484688	30.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.71	67	321985	35.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.93	132	340434	28.29	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	367380	29.64	ng/ul	0.00
19) Nitrobenzene-d5	9.59	128	197362	31.96	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	160973	25.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	286814	25.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	499295	42.42	ng/ul	0.00
43) Dimethylphthalate-d6	14.42	166	1100664	33.80	ng/ul	0.00
46) Acenaphthylene-d8	14.72	160	1429647	33.27	ng/ul	0.00
51) 4-Nitrophenol-d4	15.24	143	8944	1.48	ng/ul	0.01
57) Fluorene-d10	16.01	176	928926	33.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.13	200	3951	0.82	ng/ul	0.00
70) Anthracene-d10	17.85	188	1345497	33.36	ng/ul	0.00
76) Pyrene-d10	20.11	212	1350813	36.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	838477	34.48	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	7.58	94	24736	1.524	ng/ul	99
44) Dimethylphthalate	14.46	163	165879	5.149	ng/ul#	98
49) Acenaphthene	15.09	153	43999	1.533	ng/ul	98
58) Fluorene	16.07	166	40466	1.306	ng/ul	97
69) Phenanthrene	17.80	178	690007	14.274	ng/ul	100
71) Anthracene	17.88	178	199986	4.035	ng/ul	98
72) Carbazole	18.15	167	110991	2.611	ng/ul	98
74) Fluoranthene	19.78	202	1577437	32.840	ng/ul#	80
77) Pyrene	20.14	202	1443034	29.691	ng/ul#	76
80) Benzo(a)anthracene	21.86	228	879377	19.835	ng/ul	100
82) Chrysene	21.92	228	849388	20.436	ng/ul	98
85) Benzo(b)fluoranthene	23.60	252	995363	30.573	ng/ul#	94
86) Benzo(k)fluoranthene	23.64	252	270769m	8.615	ng/ul	
88) Benzo(a)pyrene	24.25	252	621772	20.292	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	26.91	276	384733	11.645	ng/ul#	86
90) Dibenzo(a,h)anthracene	26.90	278	102372	3.719	ng/ul#	88
91) Benzo(g,h,i)perylene	27.71	276	377585	13.752	ng/ul#	87

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



#6

Phenol

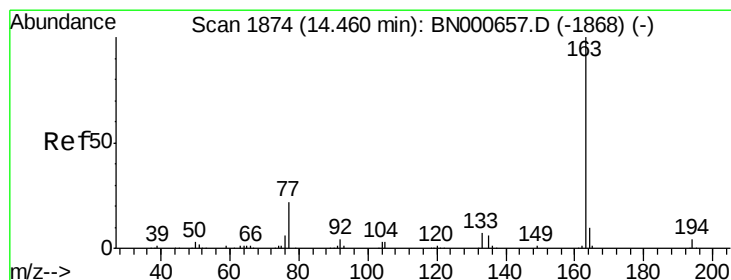
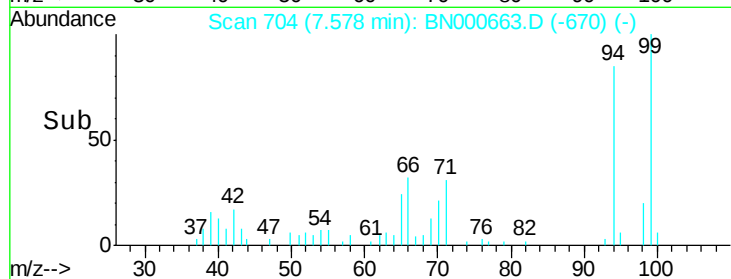
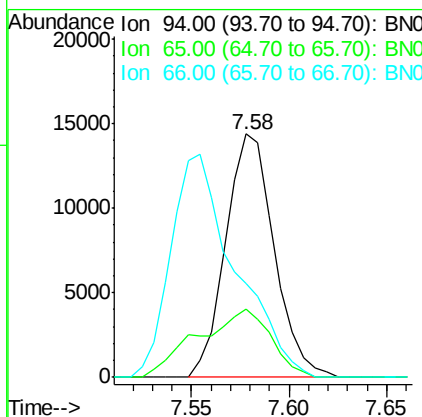
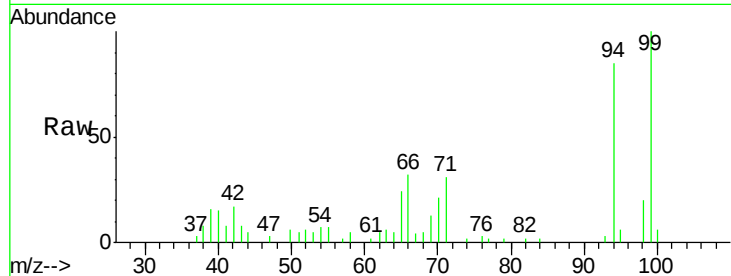
Concen: 1.524 ng/ul
 RT: 7.58 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BN000663.D
 Acq: 28 Mar 2018 17:28

Instrument :
 BNA_N
 ClientSampled :
 C0AT2

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.2	23.0	34.6
66	38.4	30.4	45.6

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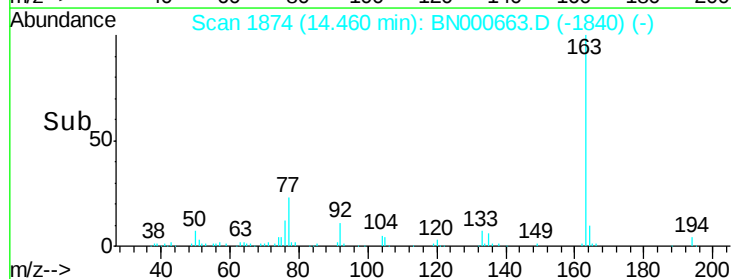
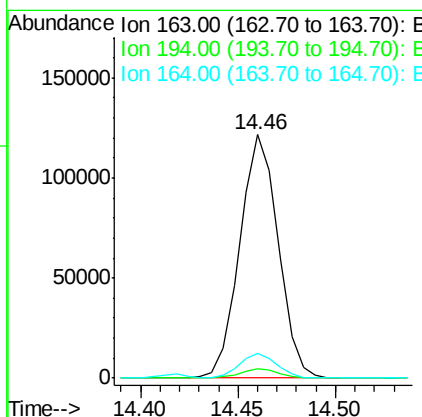
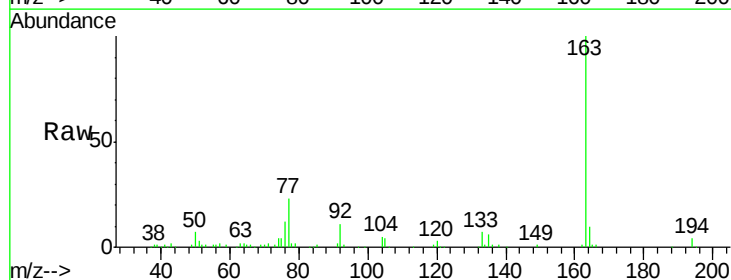


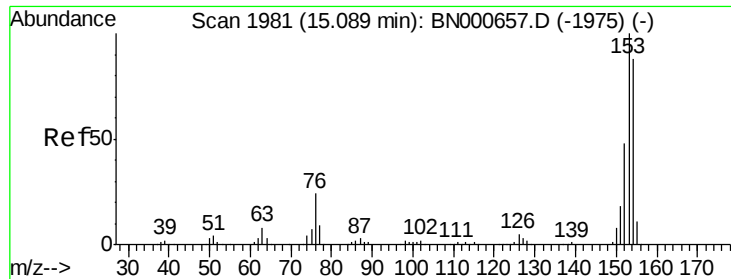
#44

Dimethylphthalate

Concen: 5.149 ng/ul
 RT: 14.46 min Scan# 1874
 Delta R.T. -0.00 min
 Lab File: BN000663.D
 Acq: 28 Mar 2018 17:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.2	8.4	12.6





#49

Acenaphthene

Concen: 1.533 ng/ul

RT: 15.09 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BN000663.D

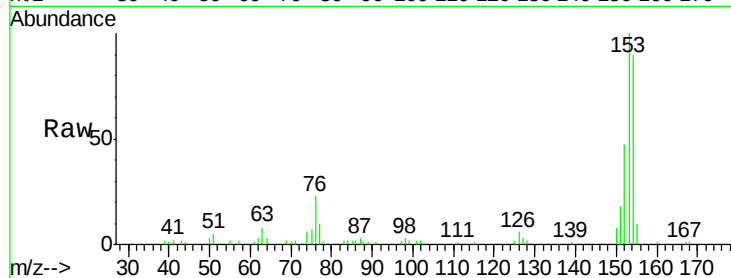
Acq: 28 Mar 2018 17:28

Instrument :

BNA_N

ClientSampleId :

C0AT2



Tgt Ion:153 Resp: 43999

Ion Ratio Lower Upper

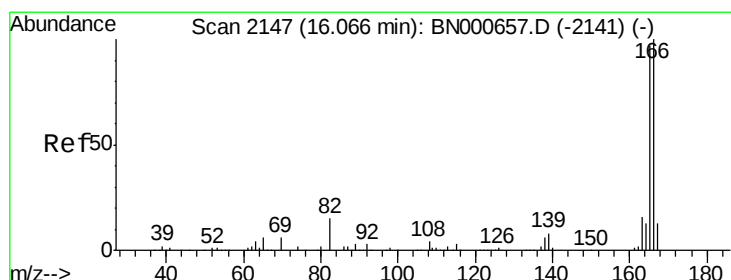
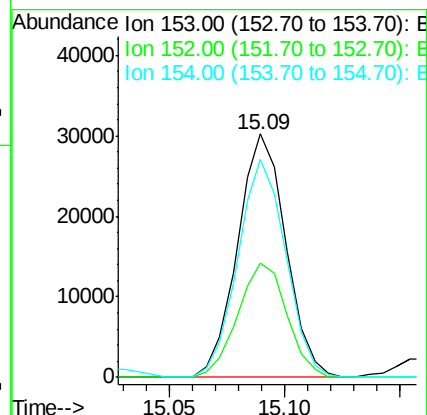
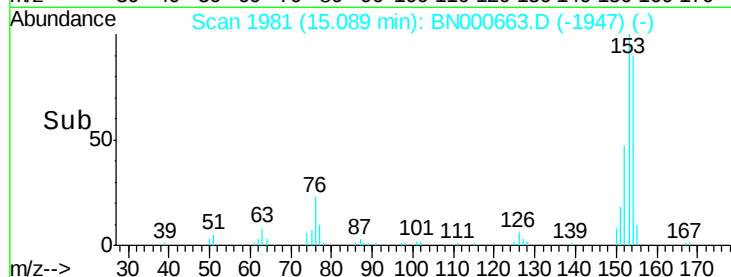
153 100

152 46.9 37.9 56.9

154 89.8 69.8 104.6

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#58

Fluorene

Concen: 1.306 ng/ul

RT: 16.07 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

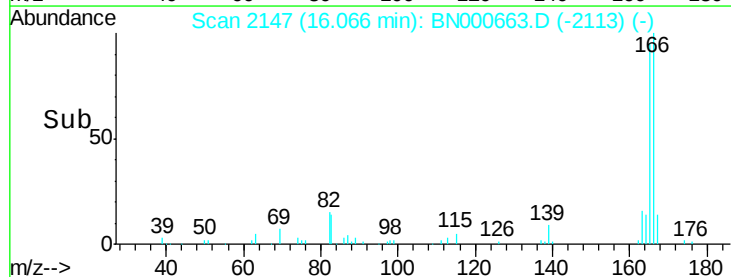
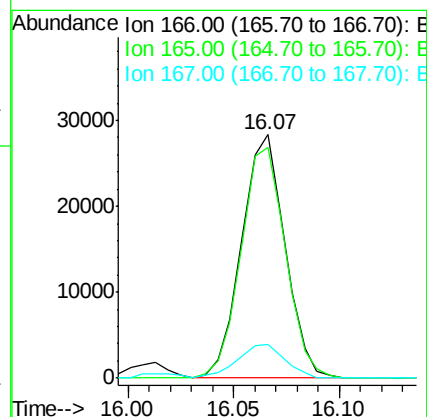
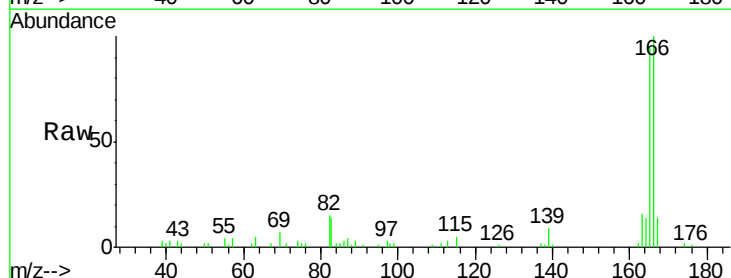
Tgt Ion:166 Resp: 40466

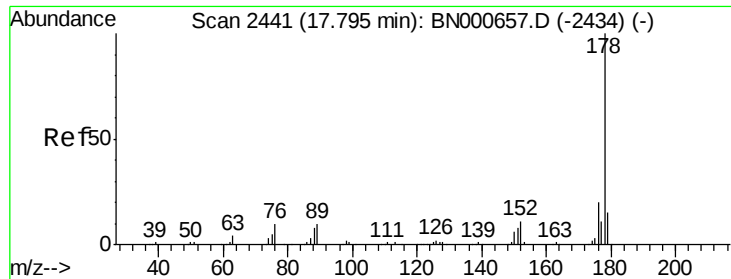
Ion Ratio Lower Upper

166 100

165 94.7 78.4 117.6

167 13.8 11.1 16.7





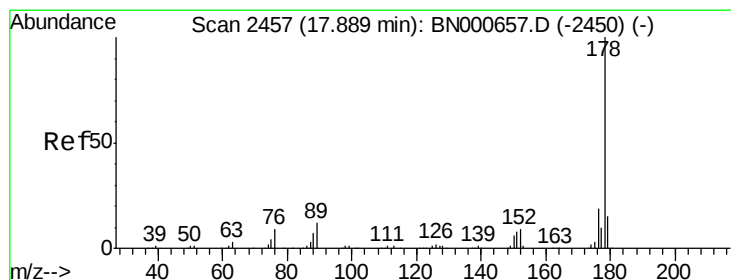
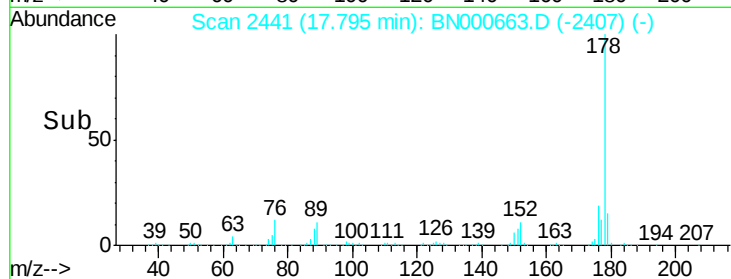
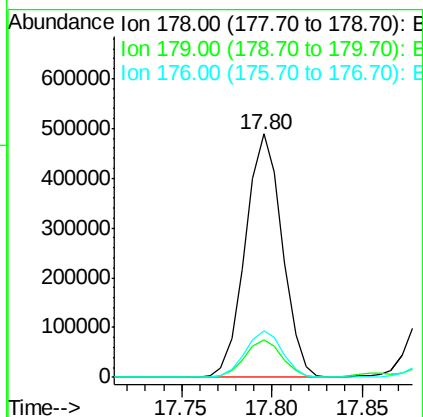
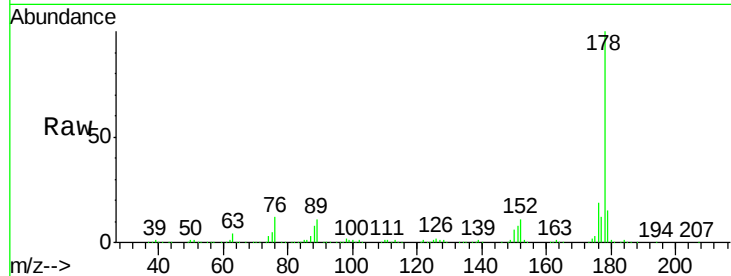
#69
Phenanthrene
Concen: 14.274 ng/ul
RT: 17.80 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BN000663.D
Acq: 28 Mar 2018 17:28

Instrument :
BNA_N
ClientSampleId :
C0AT2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.0	15.4	23.0

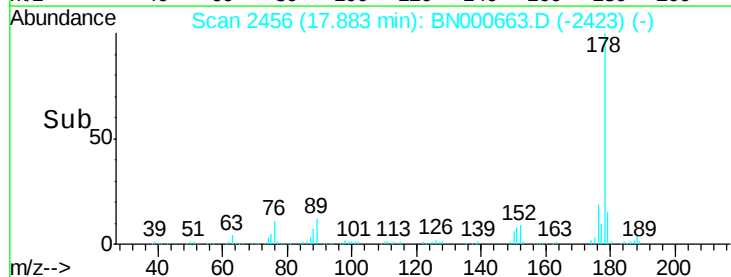
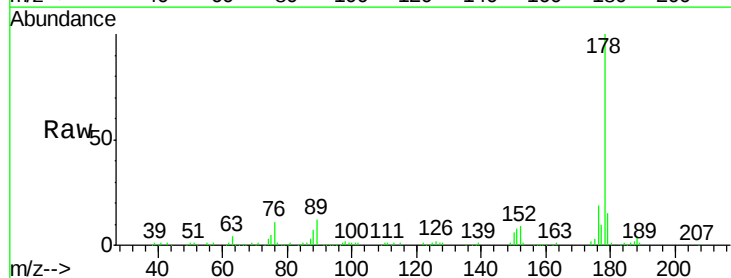
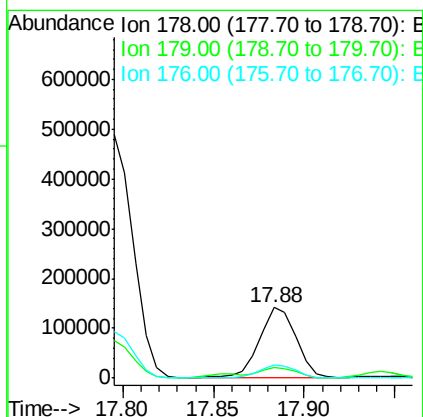
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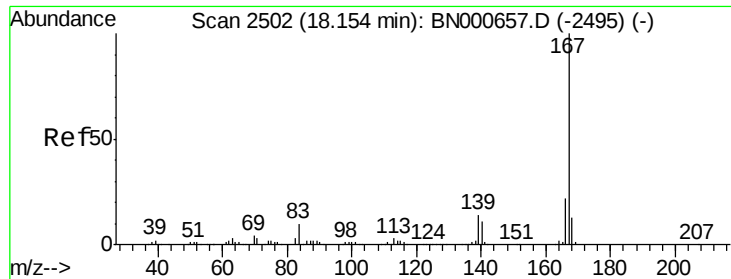
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#71
Anthracene
Concen: 4.035 ng/ul
RT: 17.88 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BN000663.D
Acq: 28 Mar 2018 17:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.4	20.2
176	19.2	15.4	23.0





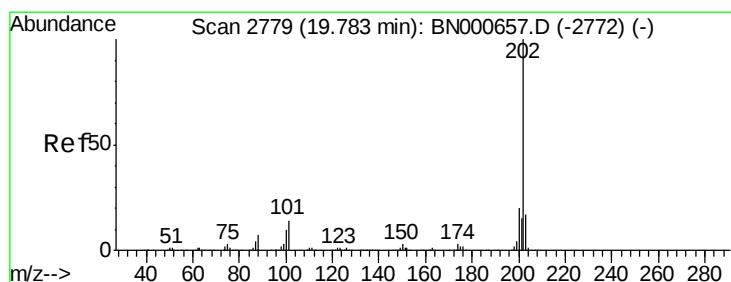
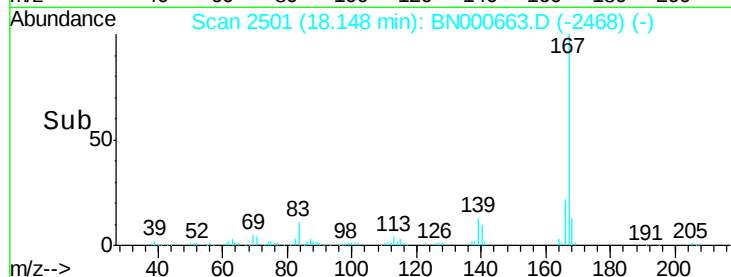
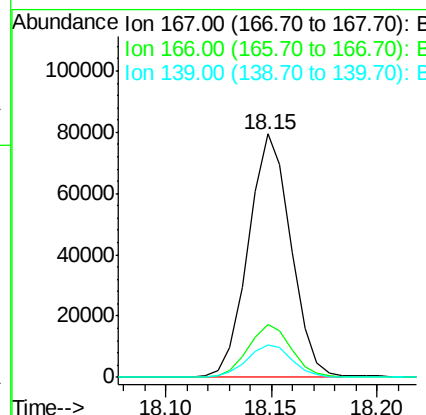
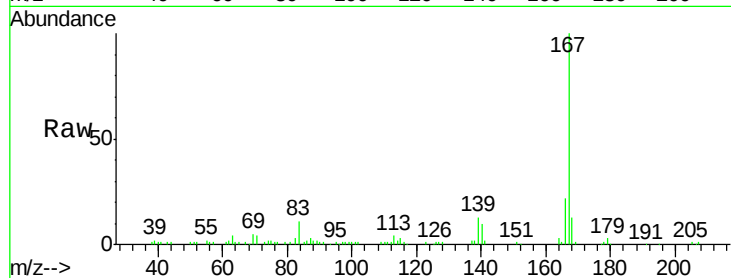
#72
 Carbazole
 Concen: 2.611 ng/ul
 RT: 18.15 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BN000663.D
 Acq: 28 Mar 2018 17:28

Instrument :
 BNA_N
 ClientSampled :
 C0AT2

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	13.3	9.1	13.7

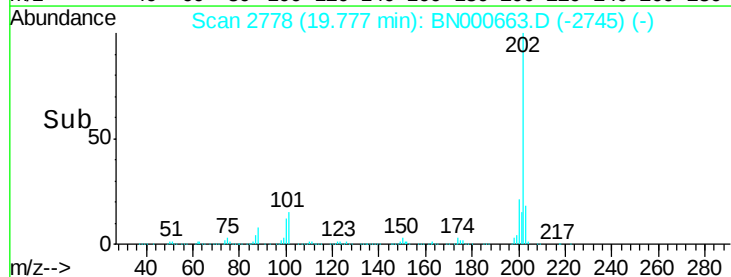
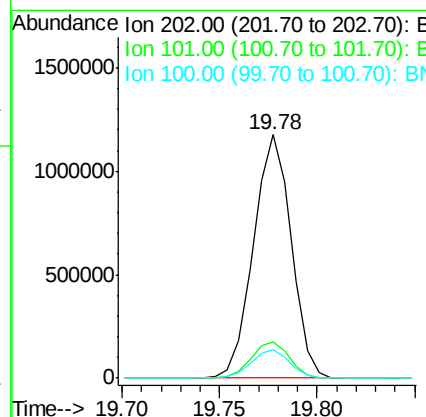
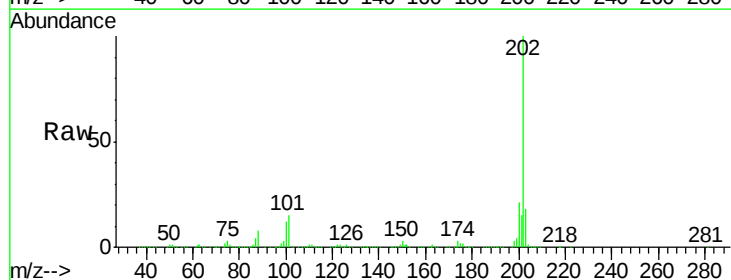
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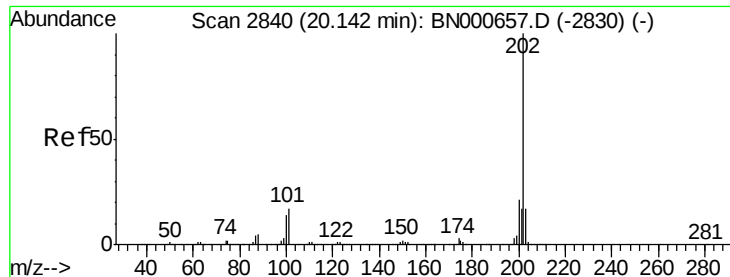
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#74
 Fluoranthene
 Concen: 32.840 ng/ul
 RT: 19.78 min Scan# 2778
 Delta R.T. -0.01 min
 Lab File: BN000663.D
 Acq: 28 Mar 2018 17:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	6.1	9.1#
100	11.7	4.6	7.0#





#77

Pyrene

Concen: 29.691 ng/ul

RT: 20.14 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Instrument :

BNA_N

ClientSampled :

C0AT2

Tgt Ion:202 Resp: 1443034

Ion Ratio Lower Upper

202 100

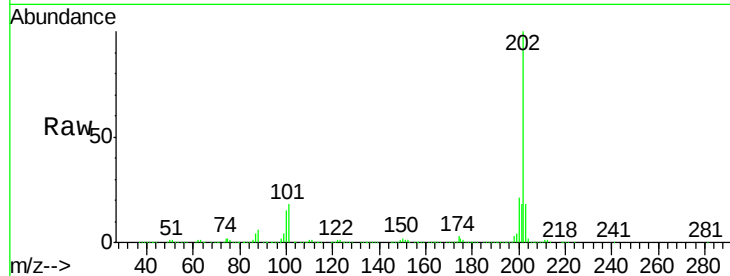
101 17.7 6.9 10.3#

100 14.7 5.6 8.4#

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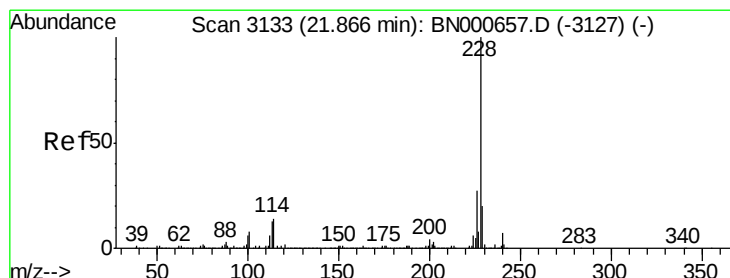
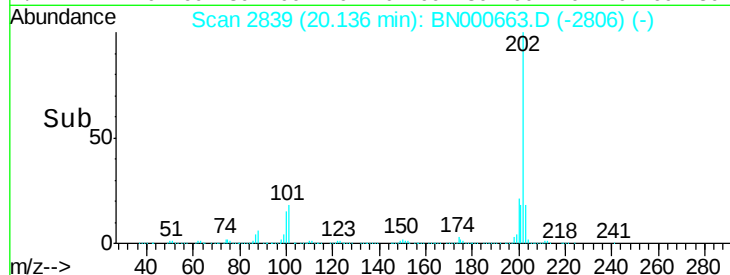
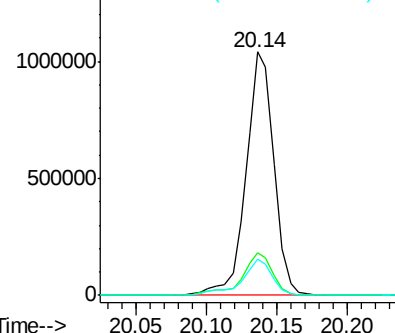
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 19.835 ng/ul

RT: 21.86 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

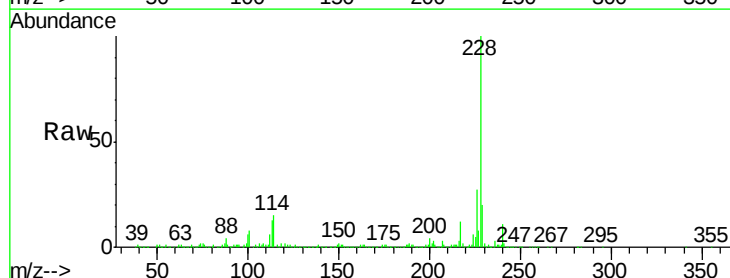
Tgt Ion:228 Resp: 879377

Ion Ratio Lower Upper

228 100

229 20.3 16.0 24.0

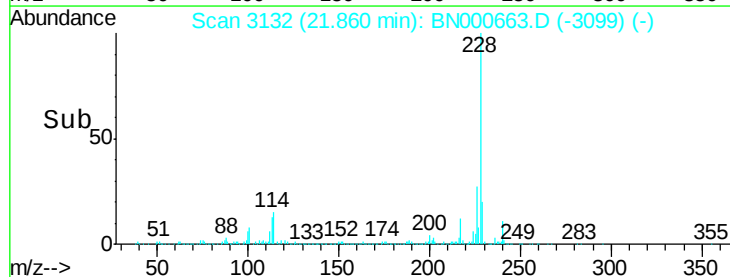
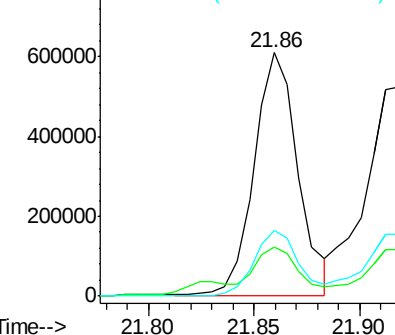
226 27.2 21.8 32.8

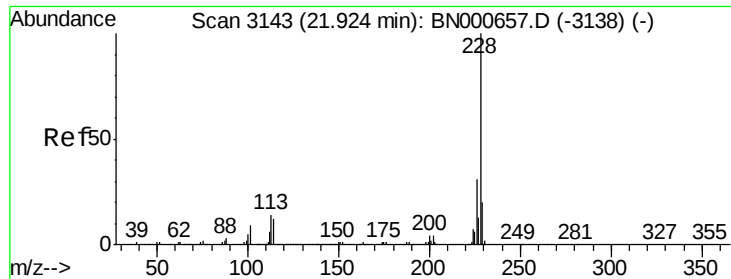


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 20.436 ng/ul

RT: 21.92 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Instrument :

BNA_N

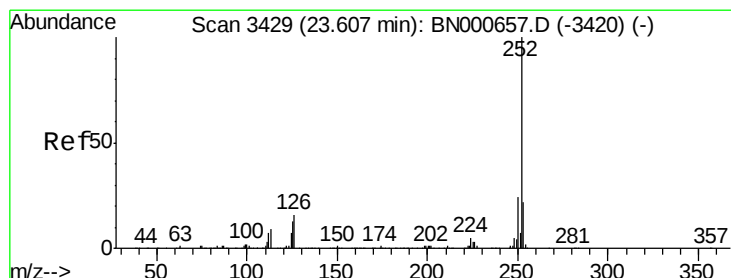
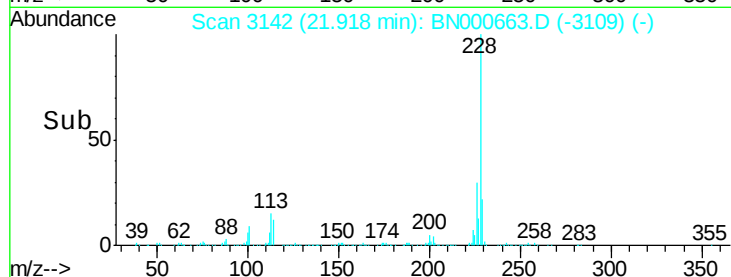
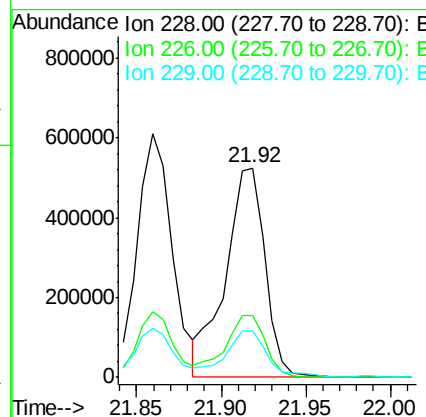
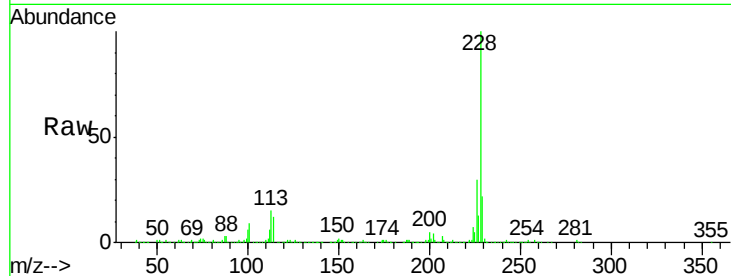
ClientSampleId :

C0AT2

Tgt Ion:	228	Resp:	849388
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.1	36.1
229	22.1	16.0	24.0

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#85

Benzo(b)fluoranthene

Concen: 30.573 ng/ul

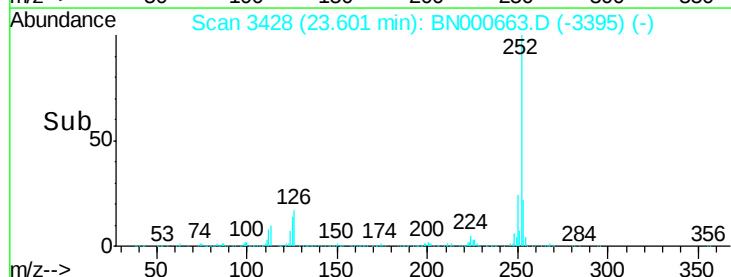
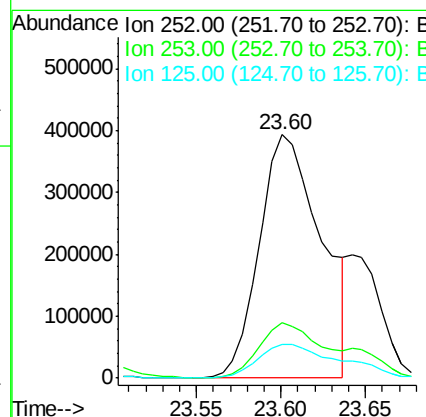
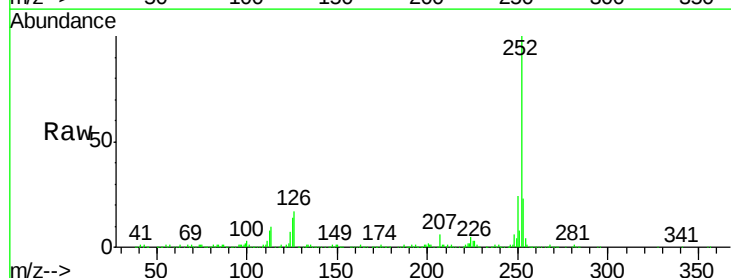
RT: 23.60 min Scan# 3428

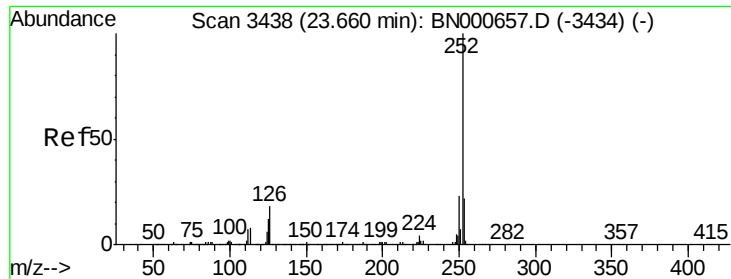
Delta R.T. -0.01 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Tgt Ion:	252	Resp:	995363
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.0
125	14.0	4.9	7.3#





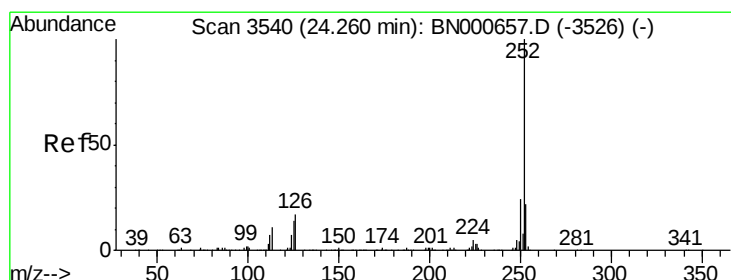
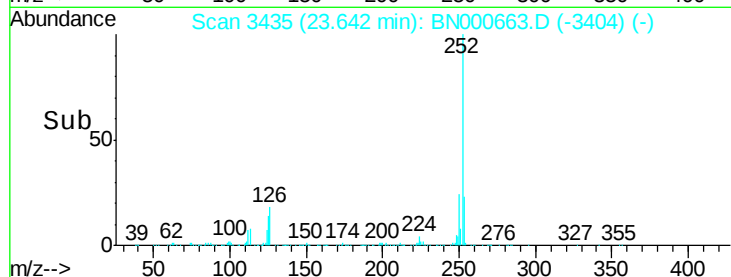
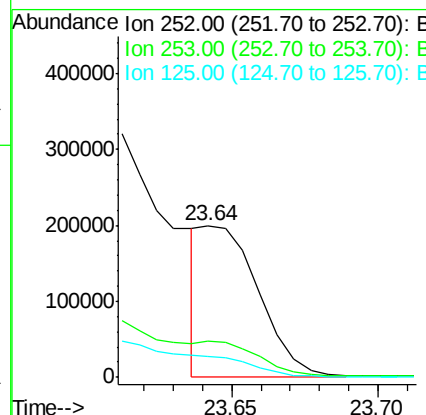
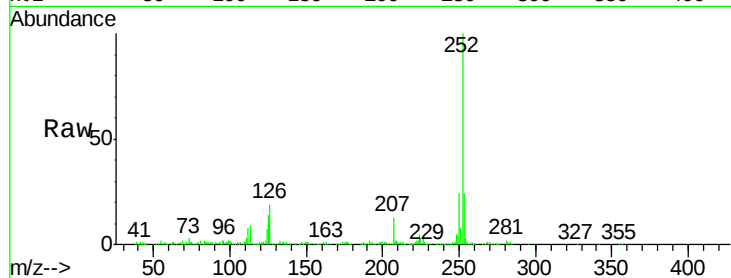
#86
Benzo(k)fluoranthene
Concen: 8.615 ng/u1 m
RT: 23.64 min Scan# 3435
Delta R.T. -0.02 min
Lab File: BN000663.D
Acq: 28 Mar 2018 17:28

Instrument :
BNA_N
ClientSampleId :
C0AT2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.1	5.4	8.0#

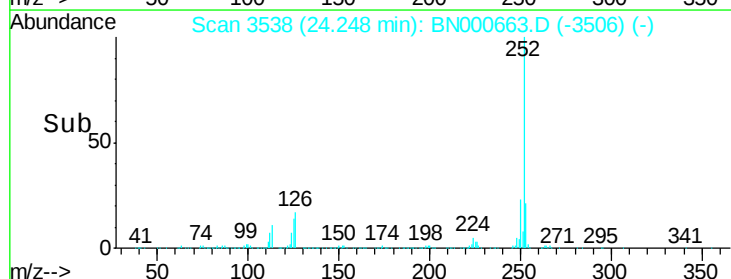
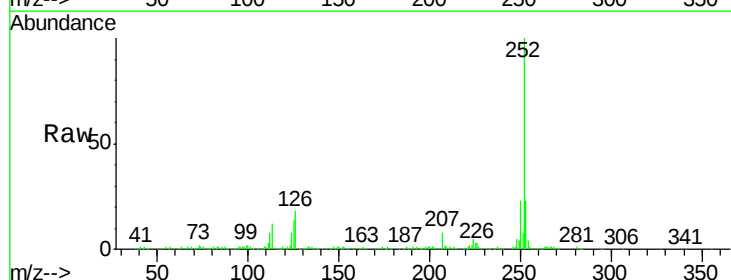
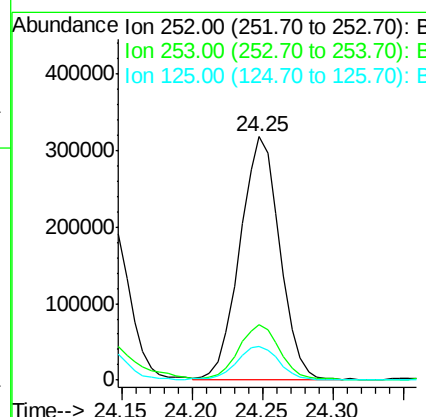
Manual Integrations
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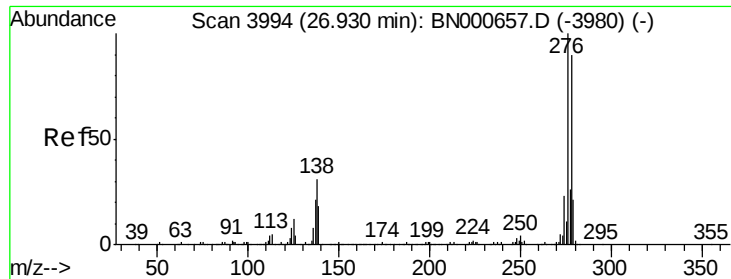
Sohil
3/29/2018 5:41:51 PM



#88
Benzo(a)pyrene
Concen: 20.292 ng/u1
RT: 24.25 min Scan# 3538
Delta R.T. -0.01 min
Lab File: BN000663.D
Acq: 28 Mar 2018 17:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	14.1	5.8	8.6#





#89

Indeno(1,2,3-cd)pyrene

Concen: 11.645 ng/ul

RT: 26.91 min Scan# 3990

Delta R.T. -0.02 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Instrument :

BNA_N

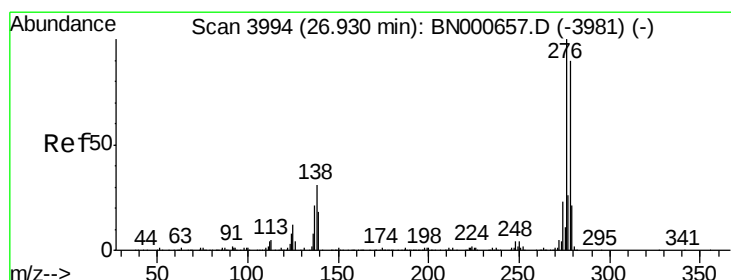
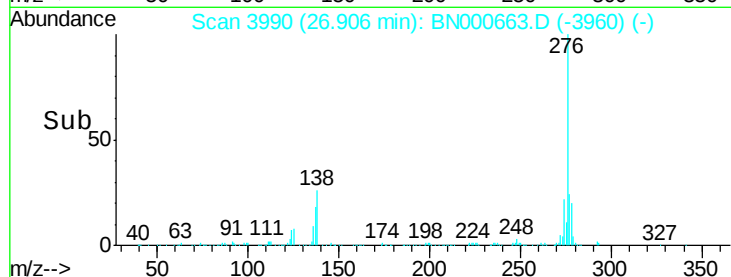
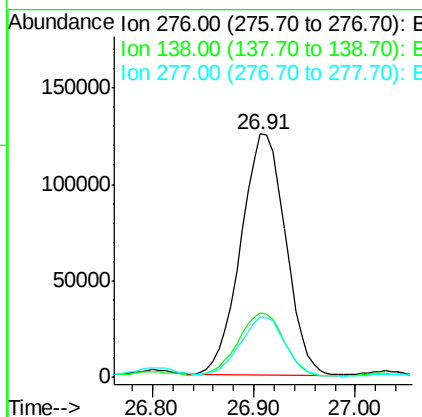
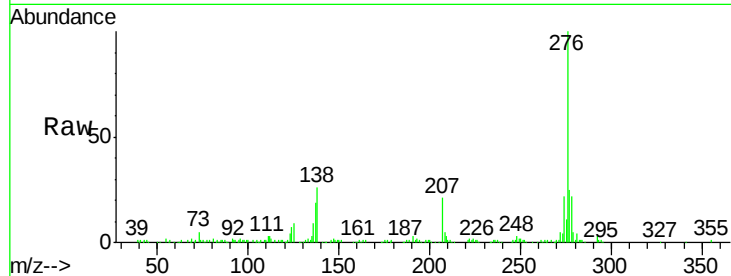
ClientSampleId :

C0AT2

Tgt Ion:	276	Resp:	384733
Ion Ratio		Lower	Upper
276	100		
138	26.4	10.9	16.3#
277	25.1	18.9	28.3

Manual Integrations
APPROVED

Sohil
3/29/2018 5:41:51 PM



#90

Dibenzo(a,h)anthracene

Concen: 3.719 ng/ul

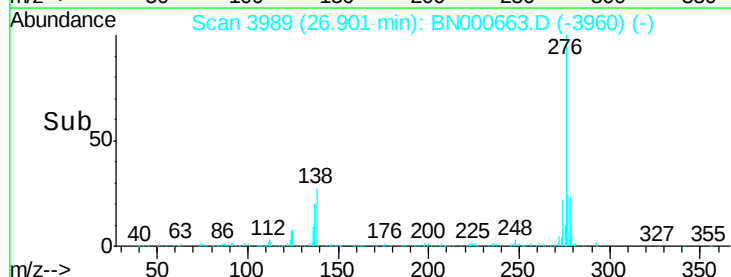
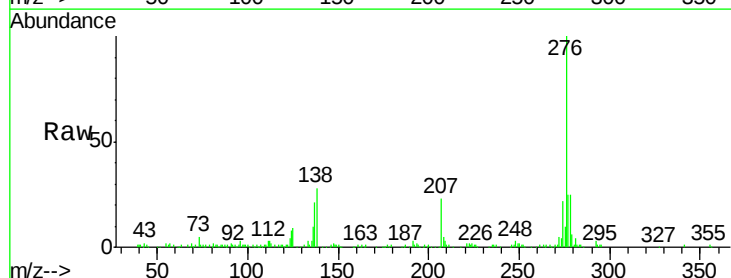
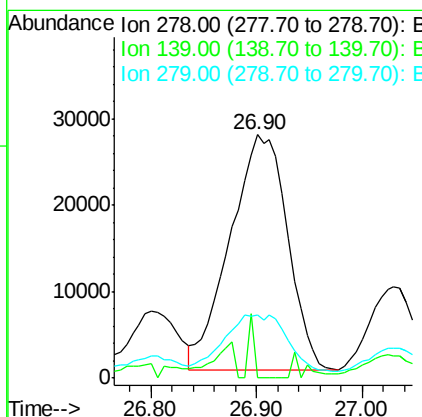
RT: 26.90 min Scan# 3989

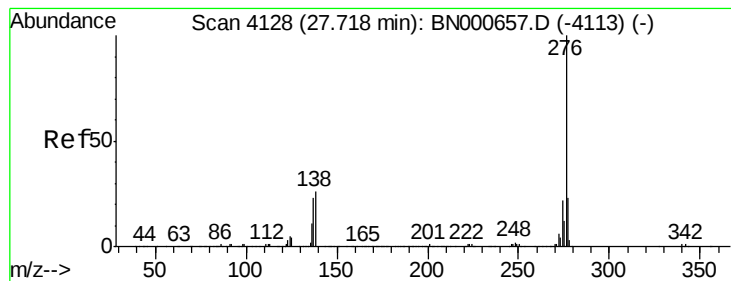
Delta R.T. -0.03 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Tgt Ion:	278	Resp:	102372
Ion Ratio		Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	25.9	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 13.752 ng/ul

RT: 27.71 min Scan# 4126

Delta R.T. -0.01 min

Lab File: BN000663.D

Acq: 28 Mar 2018 17:28

Instrument :

BNA_N

ClientSampleId :

C0AT2

Tgt Ion:	276	Resp:	377585
Ion Ratio		Lower	Upper
276	100		
138	27.9	11.2	16.8#
277	24.5	19.0	28.6

Manual Integrations
APPROVED

Sohil
3/29/2018 5:41:51 PM

