

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070318\
 Data File : BN001952.D
 Acq On : 03 Jul 2018 20:14
 Operator : JU/SJ
 Sample : J3721-14 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1H00

Manual Integrations
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Sohil
 7/5/2018 4:31:16 PM

Quant Time: Jul 04 04:20:58 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	713953	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3150788	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1719054	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3216830	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	1929691	20.00	ng/ul	0.01
83) Perylene-d12	23.53	264	2290554m	20.00	ng/ul	0.02

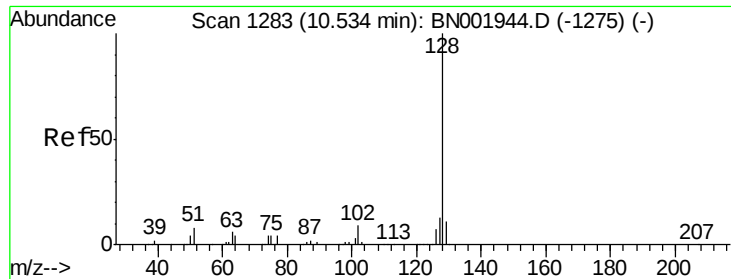
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	10717	0.65	ng/uL	0.00
5) Phenol-d5	6.88	99	257099	3.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	168461	4.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	216511	4.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	205497	3.97	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	104478	4.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	106655	4.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	213021	4.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	158455	2.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	647553	4.46	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	827637	4.62	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	36557	1.37	ng/ul	0.00
57) Fluorene-d10	15.33	176	566954	4.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	41169	2.35	ng/ul	0.00
70) Anthracene-d10	17.18	188	736632	4.74	ng/ul	0.00
76) Pyrene-d10	19.49	212	596536	6.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	551801m	4.43	ng/ul	0.02

Target Compounds

					Qvalue	
28) Naphthalene	10.53	128	170920	1.022	ng/ul	99
44) Dimethylphthalate	13.80	163	277703	1.946	ng/ul#	96
47) Acenaphthylene	14.06	152	2067931	11.955	ng/ul	100
58) Fluorene	15.39	166	146411	1.066	ng/ul	99
69) Phenanthrene	17.13	178	1593530	8.794	ng/ul	99
71) Anthracene	17.22	178	3322191	18.112	ng/ul	98
72) Carbazole	17.49	167	700875	4.561	ng/ul	97
74) Fluoranthene	19.15	202	16144562m	84.758	ng/ul	
77) Pyrene	19.52	202	19054670m	157.791	ng/ul	
80) Benzo(a)anthracene	21.27	228	14775232	121.152	ng/ul#	81
82) Chrysene	21.33	228	16491228	145.331	ng/ul#	87
85) Benzo(b)fluoranthene	22.87	252	27303595m	188.730	ng/ul	
86) Benzo(k)fluoranthene	22.92	252	9955964m	70.968	ng/ul	
88) Benzo(a)pyrene	23.45	252	15829177m	117.087	ng/ul	
89) Indeno(1,2,3-cd)pyrene	25.79	276	12976074m	90.203	ng/ul	
90) Dibenzo(a,h)anthracene	25.79	278	3603208m	30.096	ng/ul	
91) Benzo(g,h,i)perylene	26.47	276	11196900m	94.356	ng/ul	

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



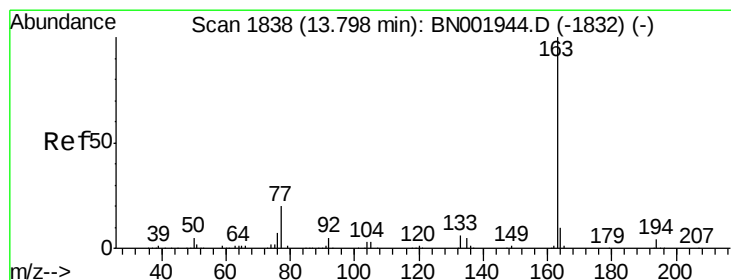
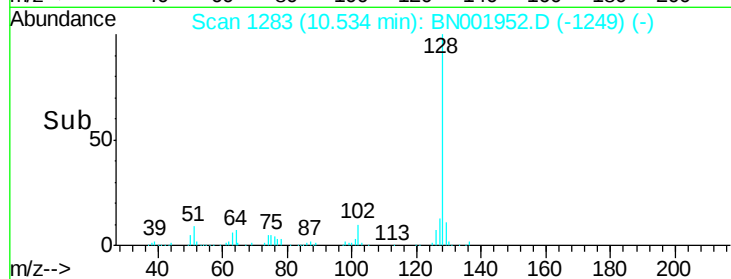
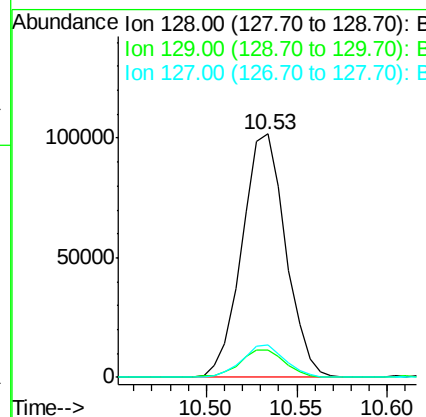
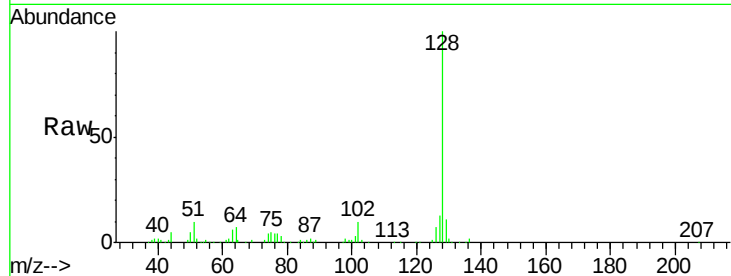
#28
Naphthalene
Concen: 1.022 ng/ul
RT: 10.53 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Instrument :
BNA_N
ClientSampled :
F1H00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.3	12.5
127	13.2	10.8	16.2

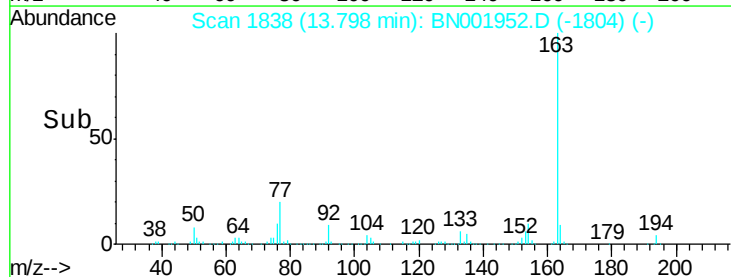
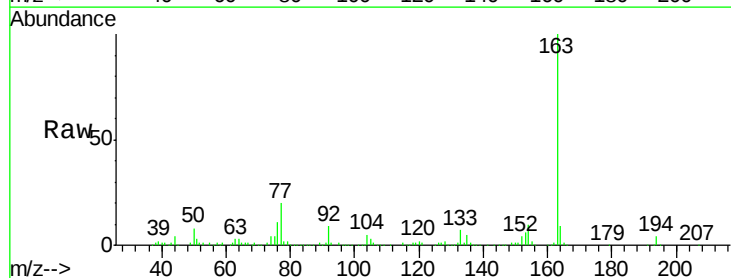
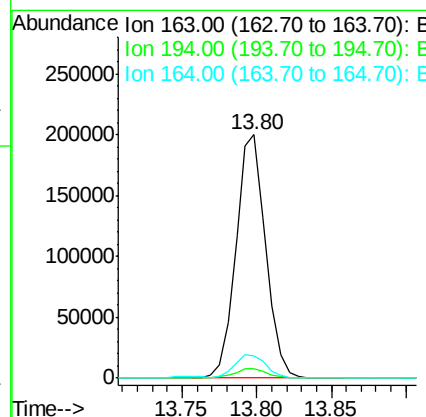
Manual Integrations
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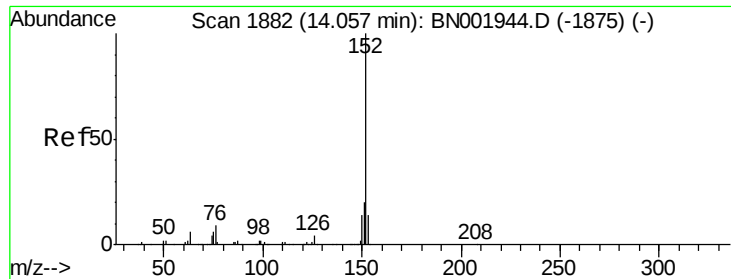
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#44
Dimethylphthalate
Concen: 1.946 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	9.1	8.4	12.6





#47

Acenaphthylene

Concen: 11.955 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Instrument :

BNA_N

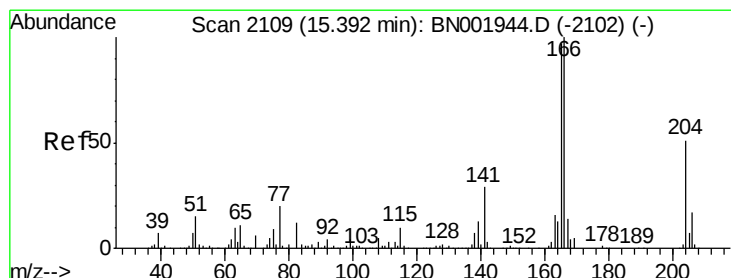
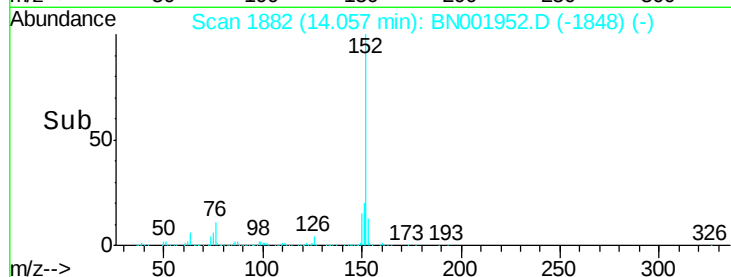
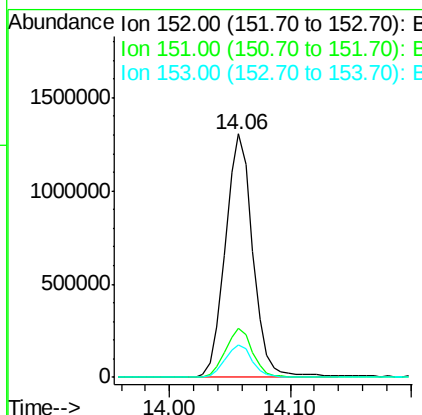
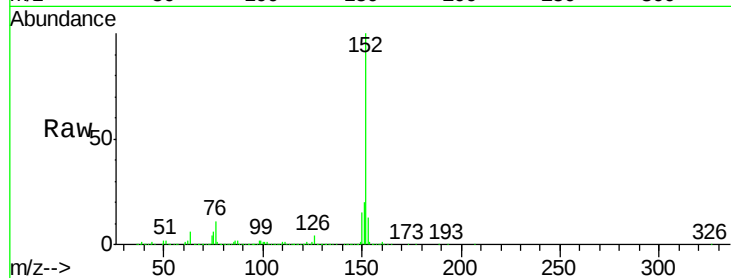
ClientSampleId :

F1H00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.1	10.8	16.2

Manual Integrations
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#58

Fluorene

Concen: 1.066 ng/ul

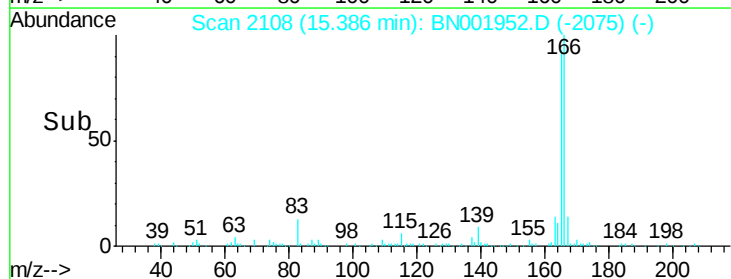
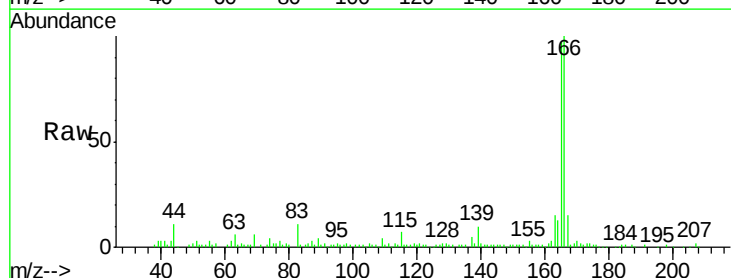
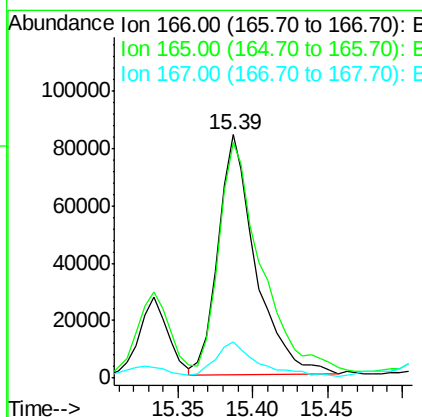
RT: 15.39 min Scan# 2108

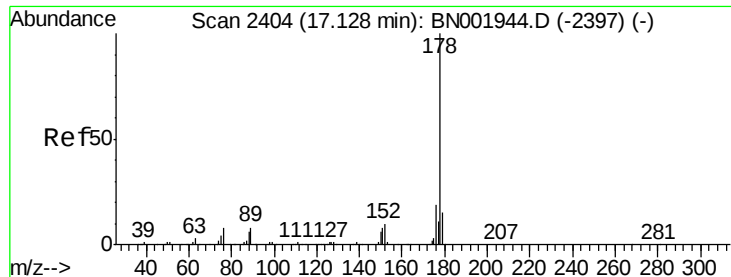
Delta R.T. -0.01 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.4	117.6
167	15.1	11.1	16.7





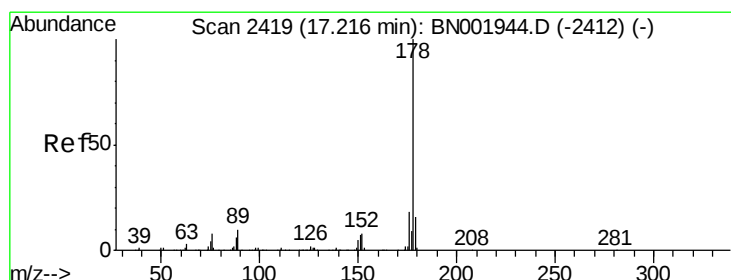
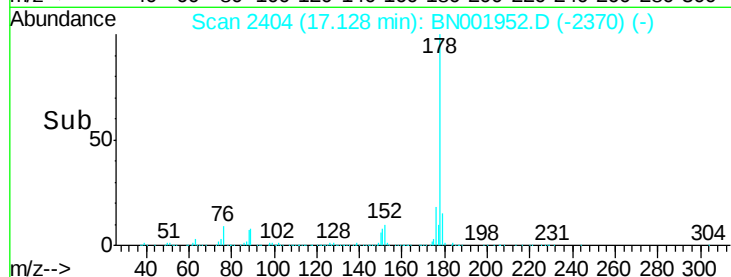
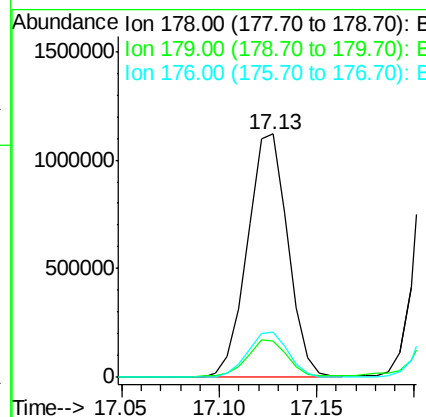
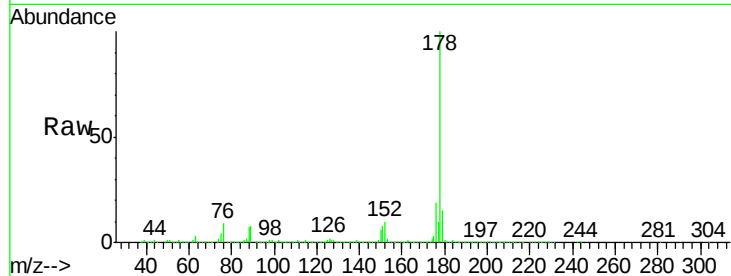
#69
Phenanthrene
Concen: 8.794 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Instrument :
BNA_N
ClientSampled :
F1H00

Tgt Ion:178 Resp: 1593530
Ion Ratio Lower Upper
178 100
179 15.0 12.3 18.5
176 18.5 15.4 23.0

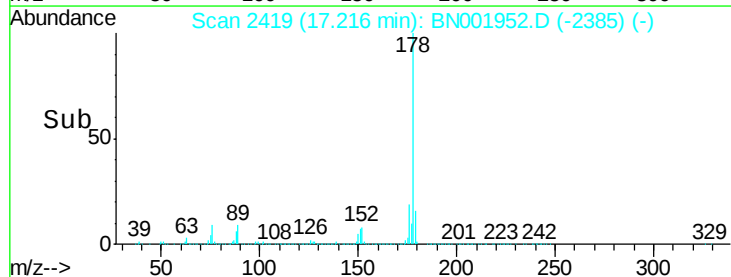
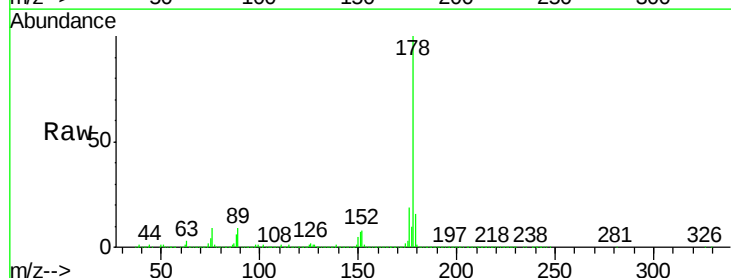
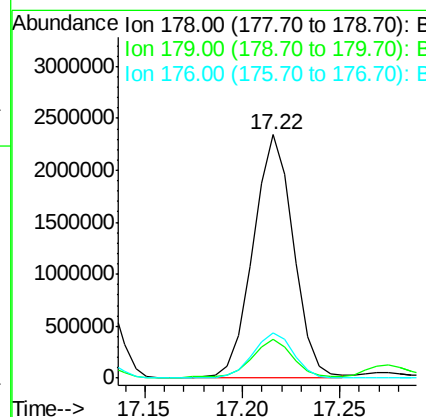
Manual Integrations
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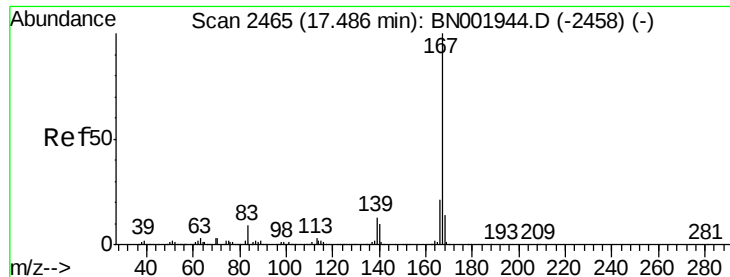
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#71
Anthracene
Concen: 18.112 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Tgt Ion:178 Resp: 3322191
Ion Ratio Lower Upper
178 100
179 15.7 13.4 20.2
176 18.6 15.4 23.0





#72

Carbazole

Concen: 4.561 ng/ul

RT: 17.49 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Instrument :

BNA_N

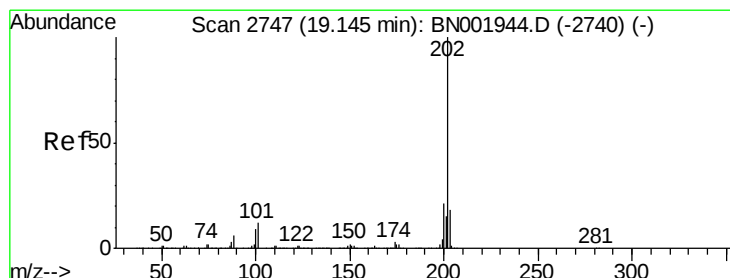
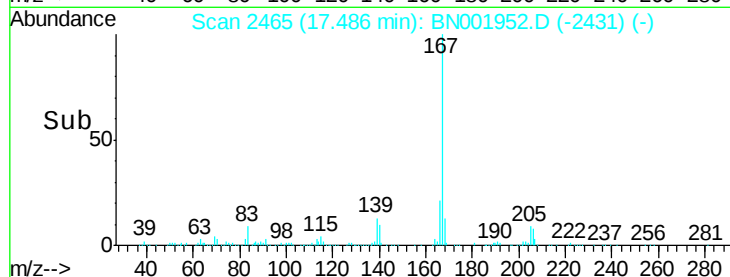
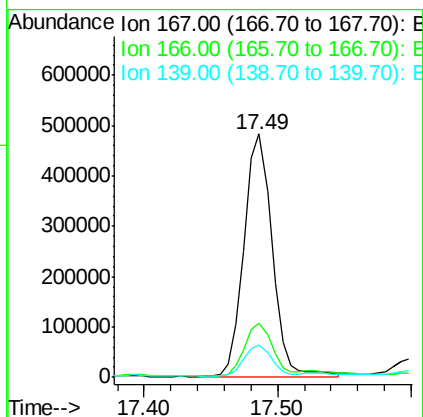
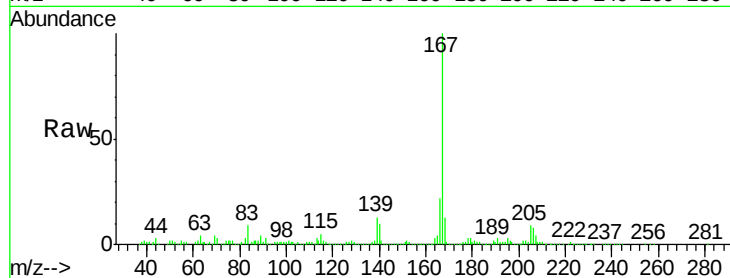
ClientSampleId :

F1H00

Tgt Ion:	167	Resp:	700875
Ion Ratio		Lower	Upper
167	100		
166	22.0	17.0	25.4
139	13.4	9.1	13.7

Manual Integrations
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#74

Fluoranthene

Concen: 84.758 ng/ul m

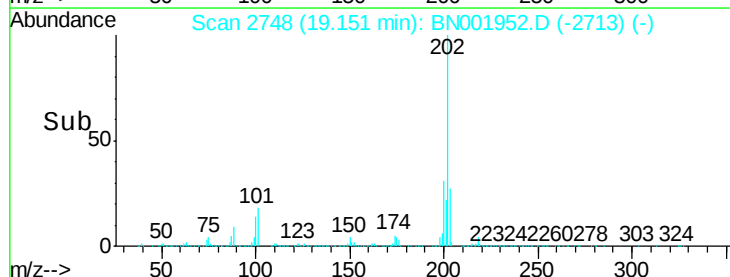
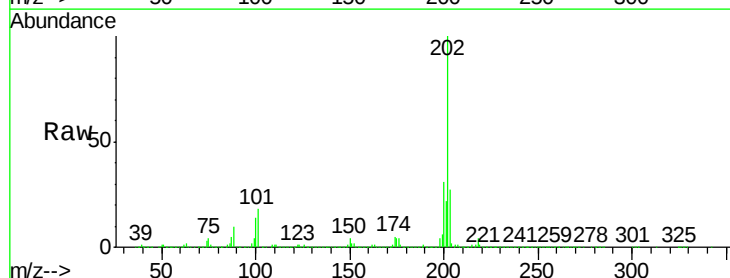
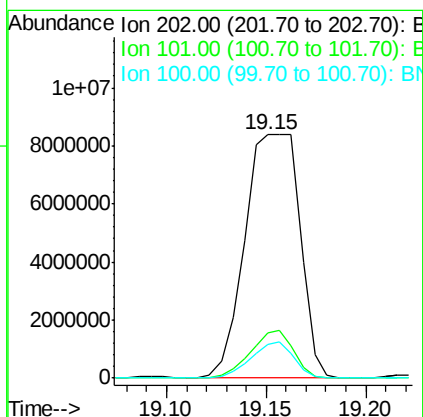
RT: 19.15 min Scan# 2748

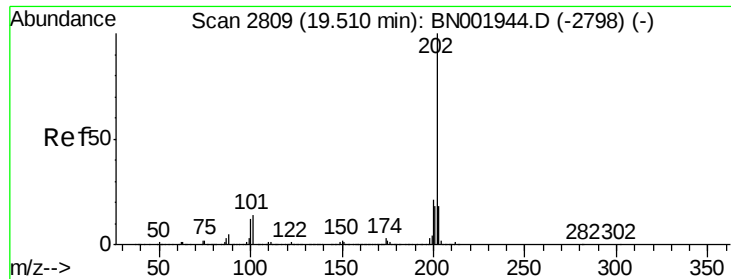
Delta R.T. 0.01 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Tgt Ion:	202	Resp:	16144562
Ion Ratio		Lower	Upper
202	100		
101	18.4	6.1	9.1#
100	13.9	4.6	7.0#





#77

Pyrene

Concen: 157.791 ng/ul m

RT: 19.52 min Scan# 2810

Delta R.T. 0.01 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Instrument :

BNA_N

ClientSampled :

F1H00

Tgt Ion:202 Resp:19054670

Ion Ratio Lower Upper

202 100

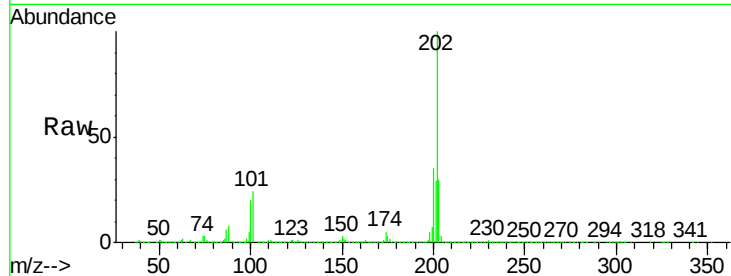
101 23.9 6.9 10.3#

100 19.6 5.6 8.4#

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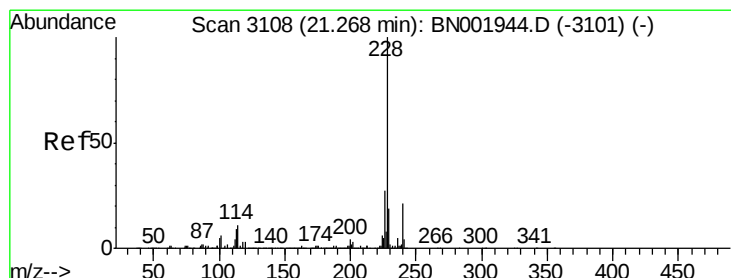
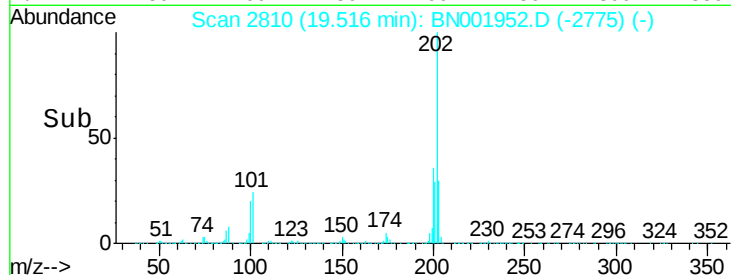
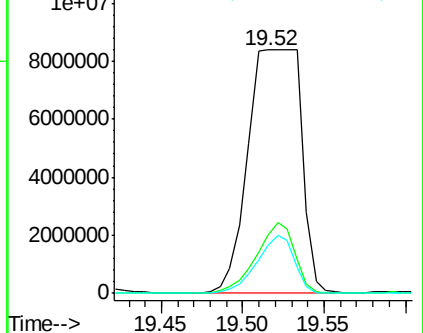
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 121.152 ng/ul

RT: 21.27 min Scan# 3109

Delta R.T. 0.01 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Tgt Ion:228 Resp:14775232

Ion Ratio Lower Upper

228 100

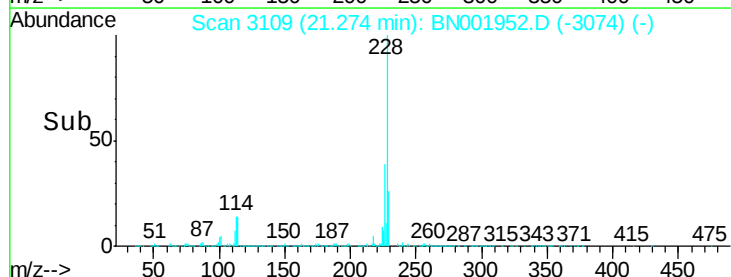
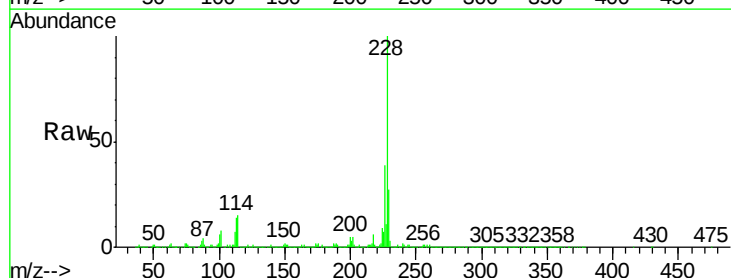
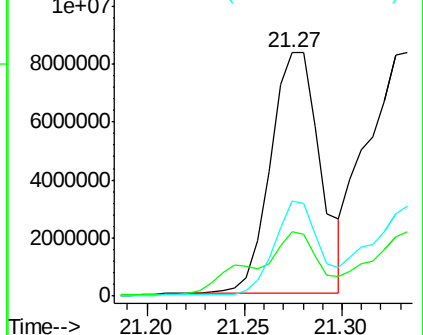
229 26.5 16.0 24.0#

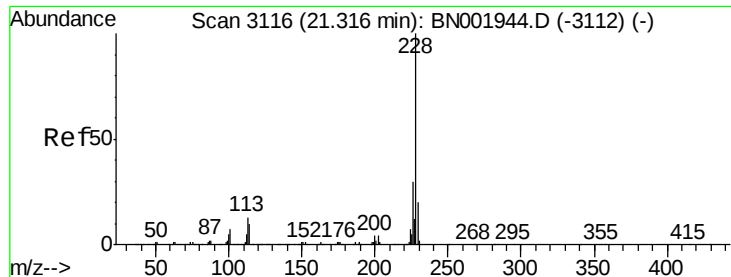
226 39.3 21.8 32.8#

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





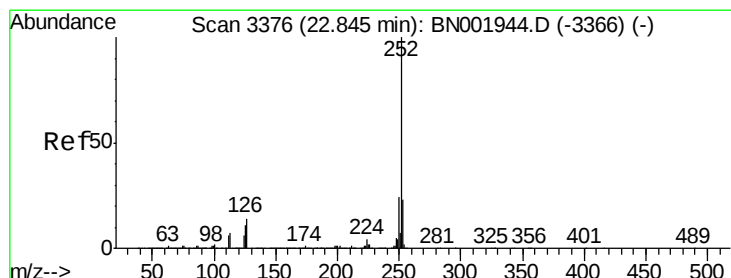
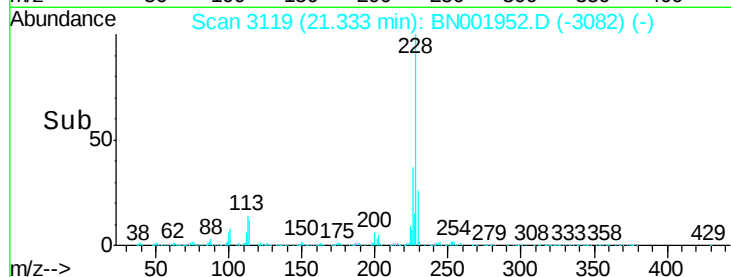
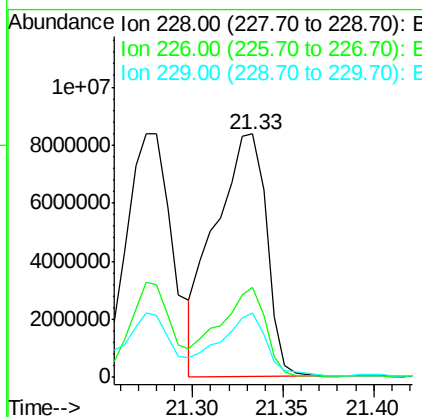
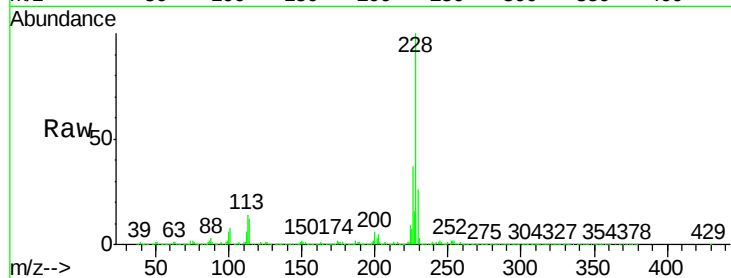
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Chrysene
Concen: 145.331 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.02 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Instrument :
BNA_N
ClientSampleId :
F1H00

Tgt Ion:228 Resp:16491228
Ion Ratio Lower Upper
228 100
226 37.0 24.1 36.1#
229 26.5 16.0 24.0#

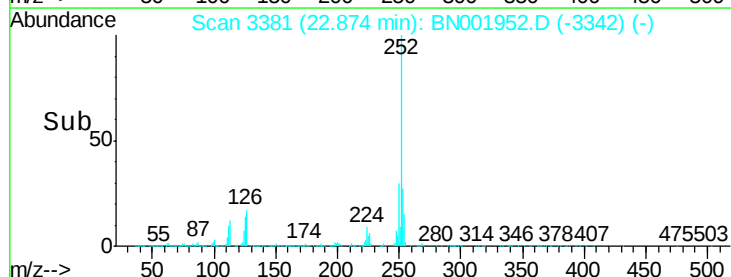
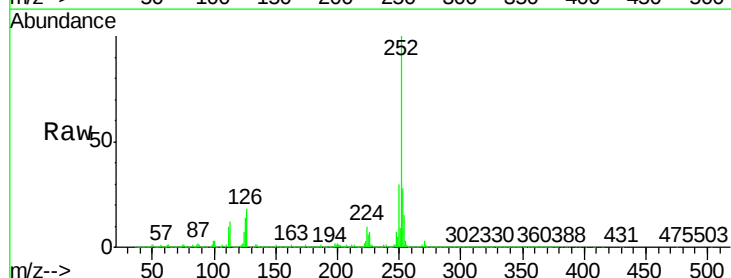
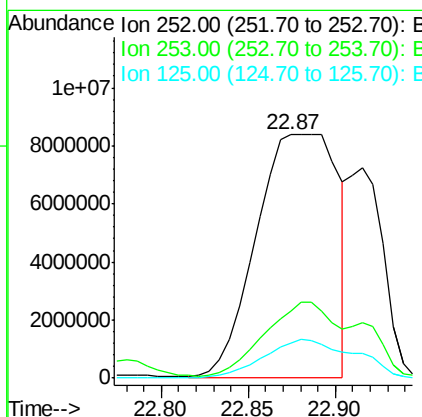
Manual Integrations
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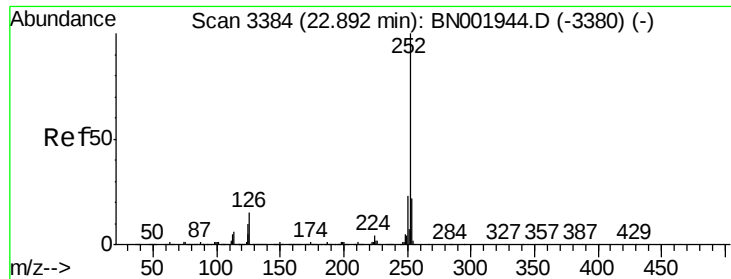
Sohil
7/5/2018 4:31:16 PM



#85
Benzo(b)fluoranthene
Concen: 188.730 ng/ul m
RT: 22.87 min Scan# 3381
Delta R.T. 0.03 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Tgt Ion:252 Resp:27303595
Ion Ratio Lower Upper
252 100
253 27.6 17.4 26.0#
125 14.3 4.9 7.3#





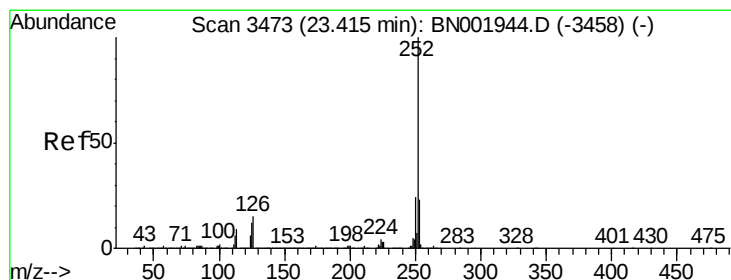
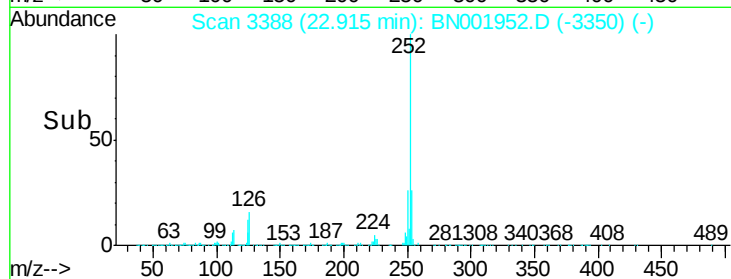
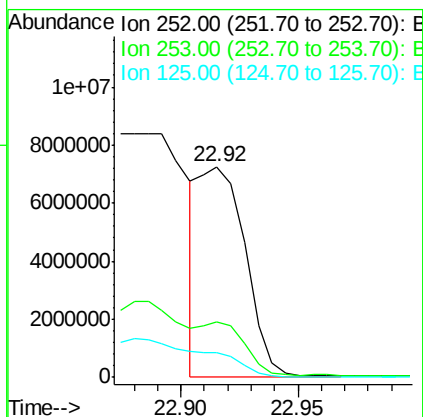
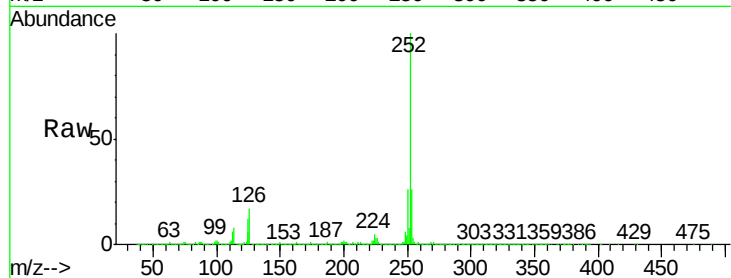
#86
Benzo(k)fluoranthene
Concen: 70.968 ng/ul m
RT: 22.92 min Scan# 3388
Delta R.T. 0.02 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Instrument :
BNA_N
ClientSampleId :
F1H00

Tgt Ion:252 Resp: 9955964
Ion Ratio Lower Upper
252 100
253 26.3 17.1 25.7#
125 11.8 5.4 8.0#

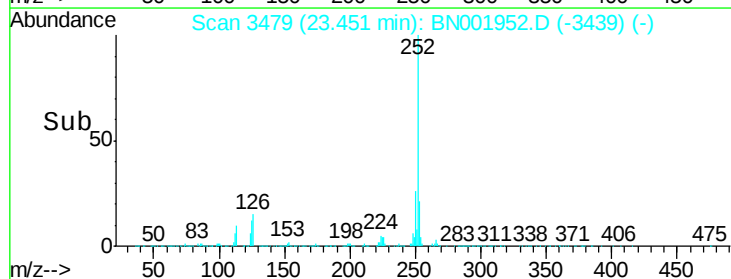
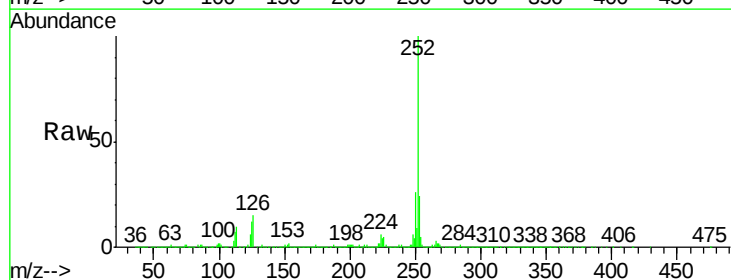
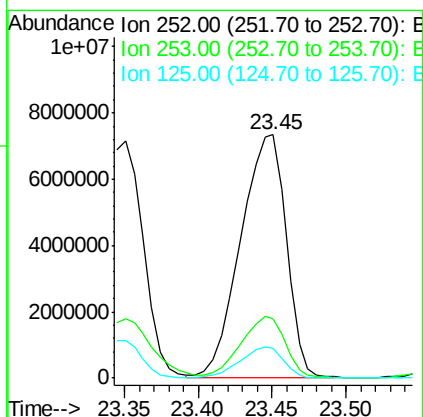
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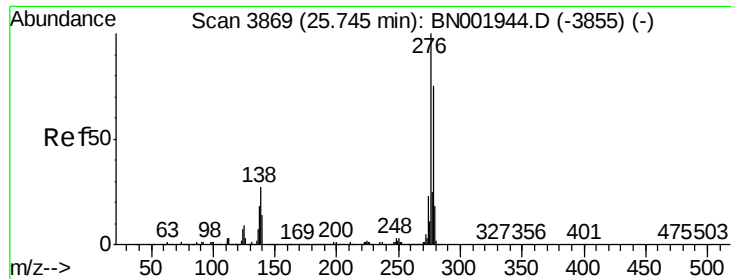
Sohil
7/5/2018 4:31:16 PM



#88
Benzo(a)pyrene
Concen: 117.087 ng/ul m
RT: 23.45 min Scan# 3479
Delta R.T. 0.04 min
Lab File: BN001952.D
Acq: 03 Jul 2018 20:14

Tgt Ion:252 Resp:15829177
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 12.2 5.8 8.6#





#89

Indeno(1,2,3-cd)pyrene

Concen: 90.203 ng/ul m

RT: 25.79 min Scan# 3877

Delta R.T. 0.05 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Instrument :

BNA_N

ClientSampled :

F1H00

Tgt Ion:276 Resp:12976074

Ion Ratio Lower Upper

276 100

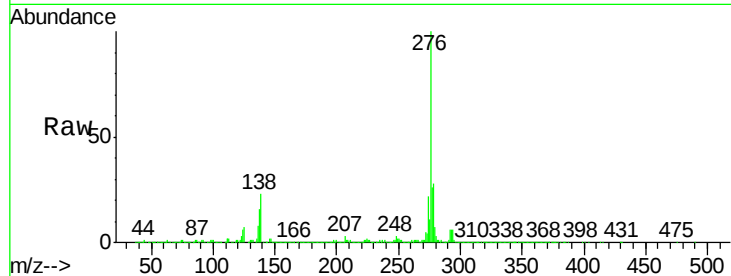
138 23.1 10.9 16.3#

277 25.7 18.9 28.3

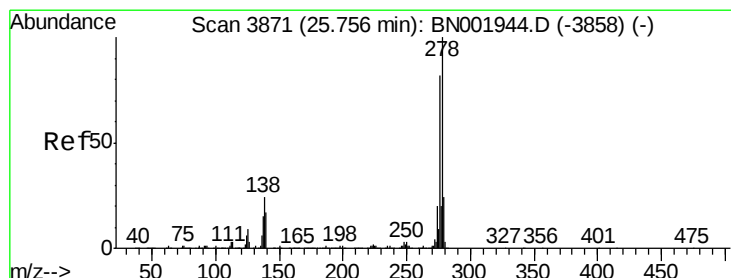
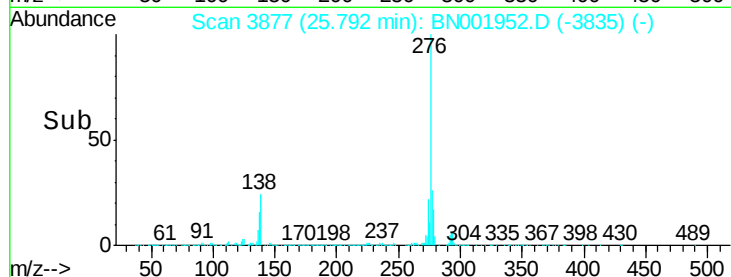
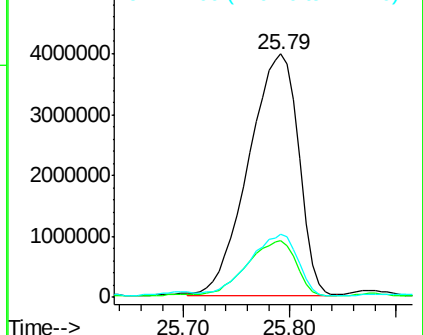
Manual Integrations
APPROVED

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 30.096 ng/ul m

RT: 25.79 min Scan# 3876

Delta R.T. 0.03 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

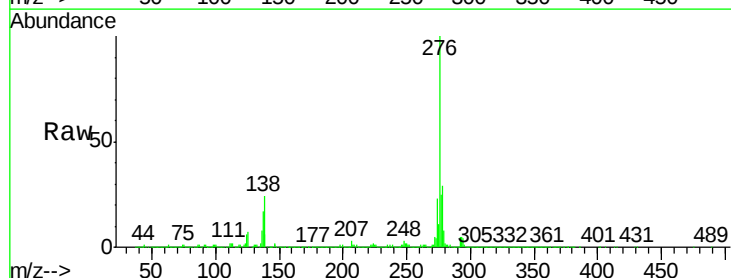
Tgt Ion:278 Resp: 3603208

Ion Ratio Lower Upper

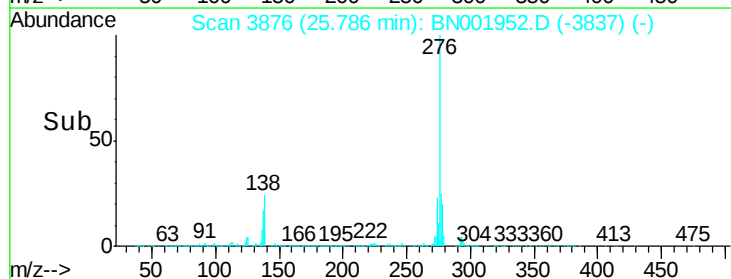
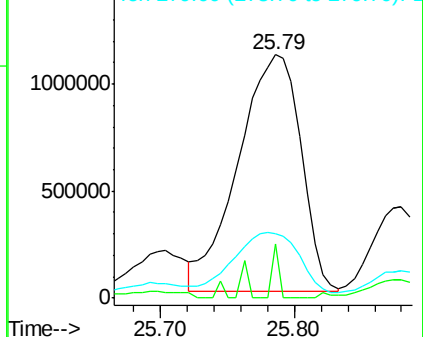
278 100

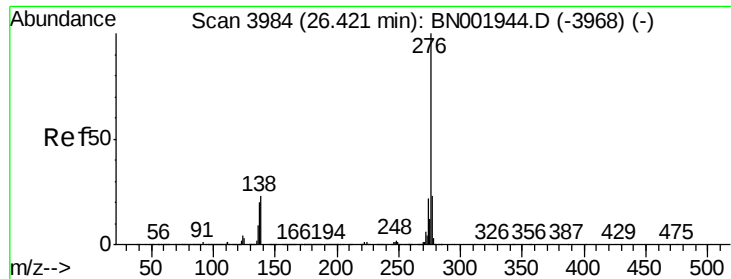
139 22.2 9.0 13.4#

279 26.5 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 94.356 ng/ul m

RT: 26.47 min Scan# 3993

Delta R.T. 0.05 min

Lab File: BN001952.D

Acq: 03 Jul 2018 20:14

Instrument :

BNA_N

ClientSampleId :

F1H00

Tgt Ion:276 Resp:11196900

Ion Ratio Lower Upper

276 100

138 23.3 11.2 16.8#

277 25.1 19.0 28.6

Manual Integrations

APPROVED

Sohil

7/5/2018 4:31:16 PM

