Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006016.D
Acq On : 02 Jun 2019 05:32
Operator : JU/SJ
Sample : K2928-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C8

Manual Integrations APPROVED
Sohil
6/4/2019 8:38:34 AM

Quant Time: Jun 03 04:25:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	508674	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.51	136	2251251	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.38	164	1286988	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.14	188	2439236	20.00	ng/ul	-0.02
77) Chrysene-d12	21.36	240	1408819	20.00	ng/ul	-0.02
85) Perylene-d12	23.64	264	1820901m	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	26667	2.31	ng/uL	0.00
5) Phenol-d5	6.89	99	612192	13.58	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.06	67	353434	13.74	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.26	132	491659	14.32	ng/ul	-0.01
13) 4-Methylphenol-d8	8.43	113	480445	13.20	ng/ul	-0.02
19) Nitrobenzene-d5	8.88	128	239215	16.56	ng/ul	-0.02
22) 2-Nitrophenol-d4	9.60	143	266196	19.78	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.14	165	468043	14.73	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.65	131	182444	4.38	ng/ul	-0.02
43) Dimethylphthalate-d6	13.79	166	1405992	14.82	ng/ul	-0.02
46) Acenaphthylene-d8	14.07	160	1747118	14.72	ng/ul	-0.02
51) 4-Nitrophenol-d4	14.58	143	198021	11.47	ng/ul	-0.03
57) Fluorene-d10	15.38	176	1173591	14.75	ng/ul	-0.02
62) 4,6-Dinitro-2-methylphenol	15.51	200	146998	14.79	ng/ul	-0.02
70) Anthracene-d10	17.24	188	1572688	15.15	ng/ul	-0.02
78) Pyrene-d10	19.55	212	1235458	17.36	ng/ul	-0.02
89) Benzo(a)pyrene-d12	23.50	264	1119176m	13.77	ng/ul	-0.02
Target Compounds						Qvalue
28) Naphthalene	10.57	128	197653	1.850	ng/ul	98
34) 2-Methylnaphthalene	12.18	142	93514	1.188	ng/ul	100
44) Dimethylphthalate	13.84	163	494684	5.217	ng/ul	99
47) Acenaphthylene	14.10	152	594969	5.112	ng/ul	97
49) Acenaphthene	14.44	153	176173	2.228	ng/ul	98
53) Dibenzofuran	14.78	168	120014	1.075	ng/ul#	84
58) Fluorene	15.43	166	193712	2.210	ng/ul#	95
69) Phenanthrene	17.18	178	5157172	42.672	ng/ul	98
71) Anthracene	17.27	178	1842864	15.020	ng/ul	99
74) Carbazole	17.54	167	186942	1.691	ng/ul#	72
76) Fluoranthene	19.22	202	13789329	106.880	ng/ul#	94
79) Pyrene	19.59	202	15673912	175.632	ng/ul#	93
82) Benzo(a)anthracene	21.34	228	9570828	108.070	ng/ul	91
84) Chrysene	21.40	228	9767174	118.249	ng/ul#	94
87) Benzo(b)fluoranthene	22.97	252	10374877	101.442	ng/ul	98
88) Benzo(k)fluoranthene	23.01	252	3554937m	37.804	ng/ul	
90) Benzo(a)pyrene	23.55	252	8337658m	86.448	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.96	276	5537858m	48.933	ng/ul	
92) Dibenzo(a,h)anthracene	25.96	278	1796011m	19.061	ng/ul	
93) Benzo(g,h,i)perylene	26.68	276	4388669m	46.043	ng/ul	

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

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Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42C8

Manual Integrations APPROVED
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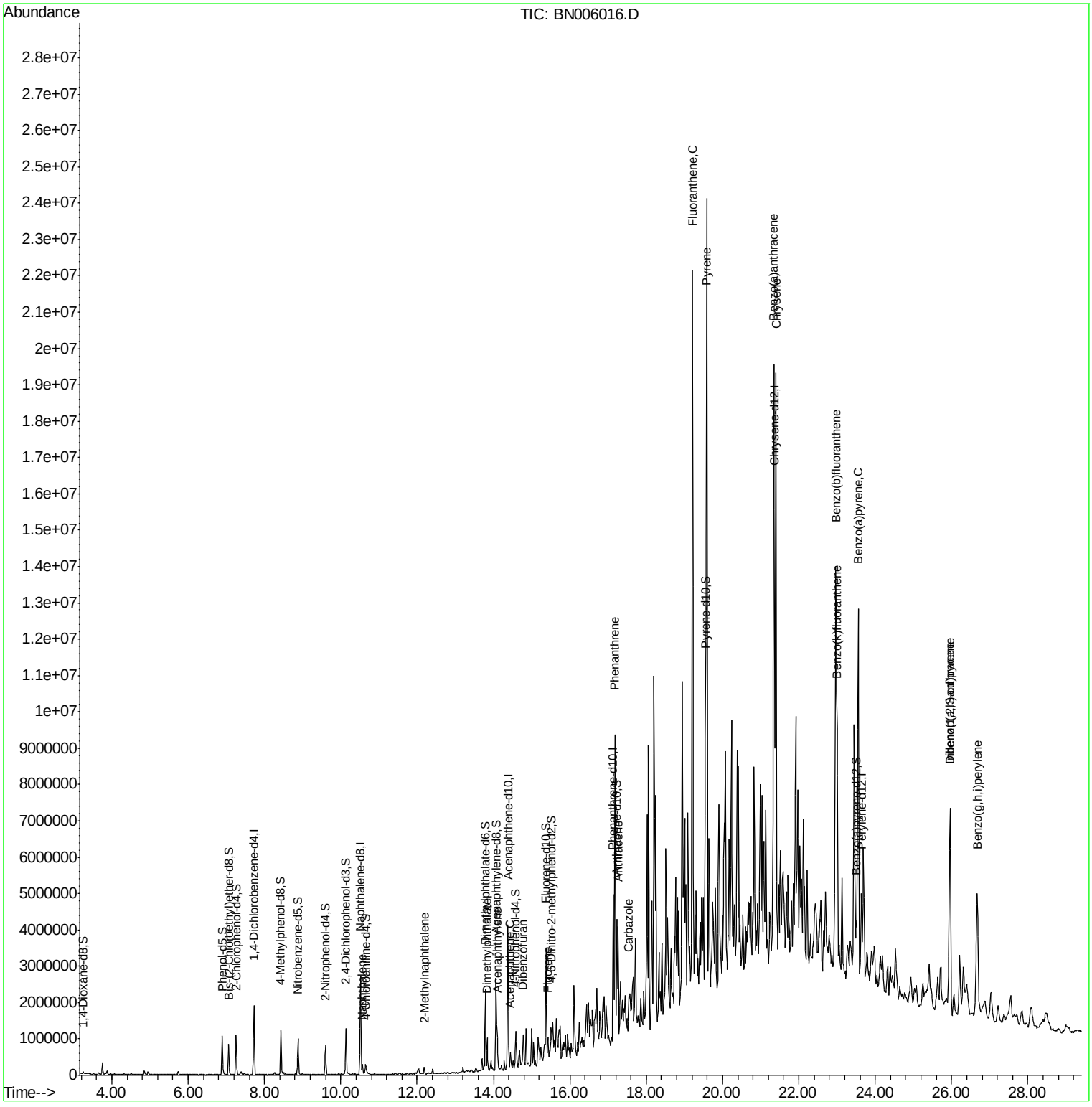
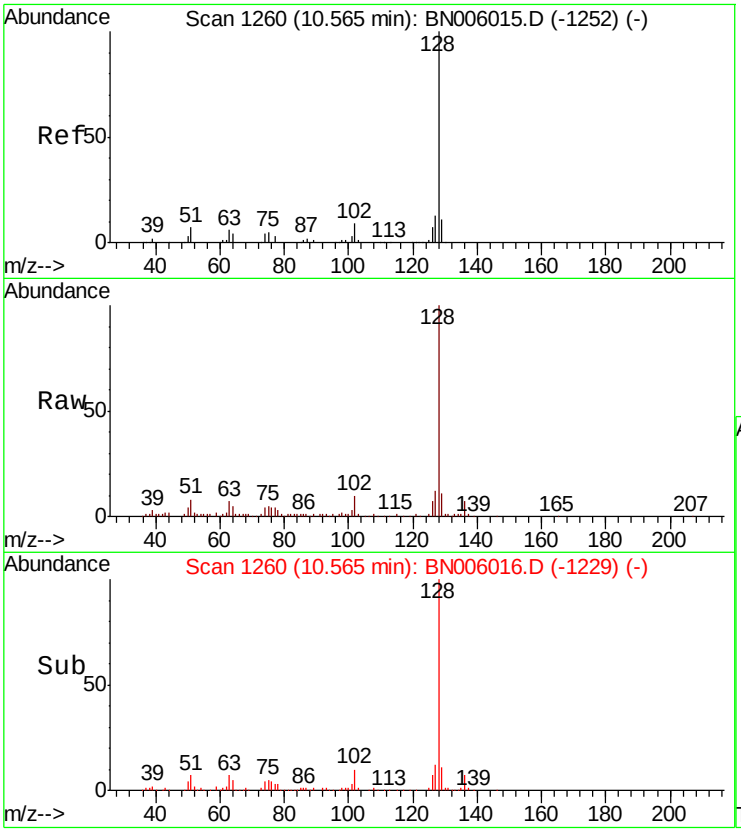
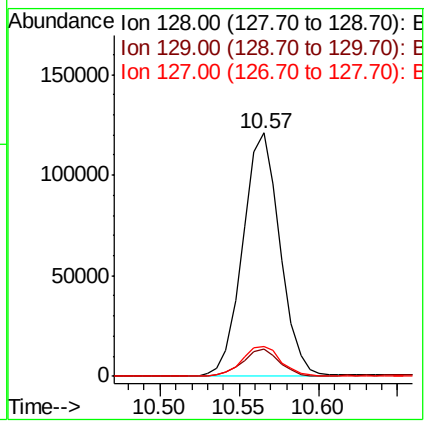




#28
Naphthalene
Concen: 1.850 ng/ul
RT: 10.57 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:128 Resp: 197653

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	12.5	10.7	16.1



Instrument :
BNA_N
ClientSampleId :
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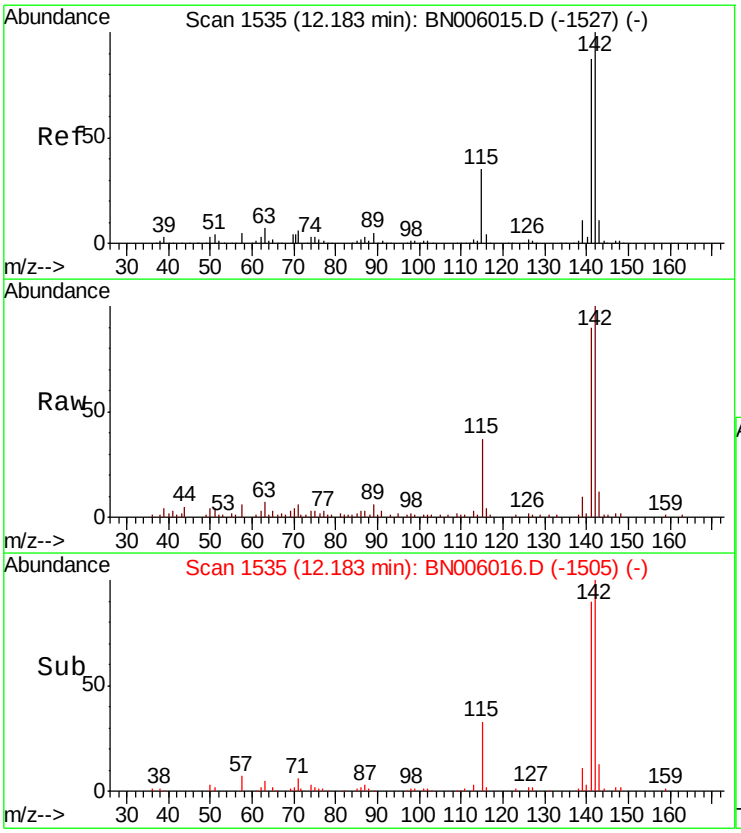
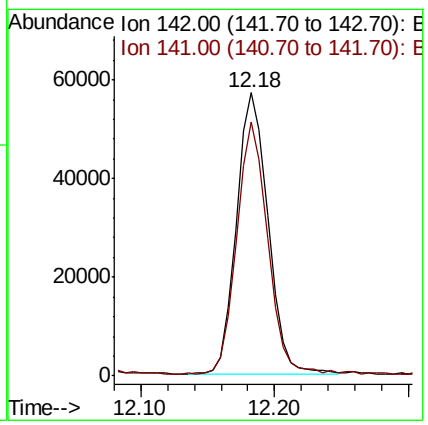
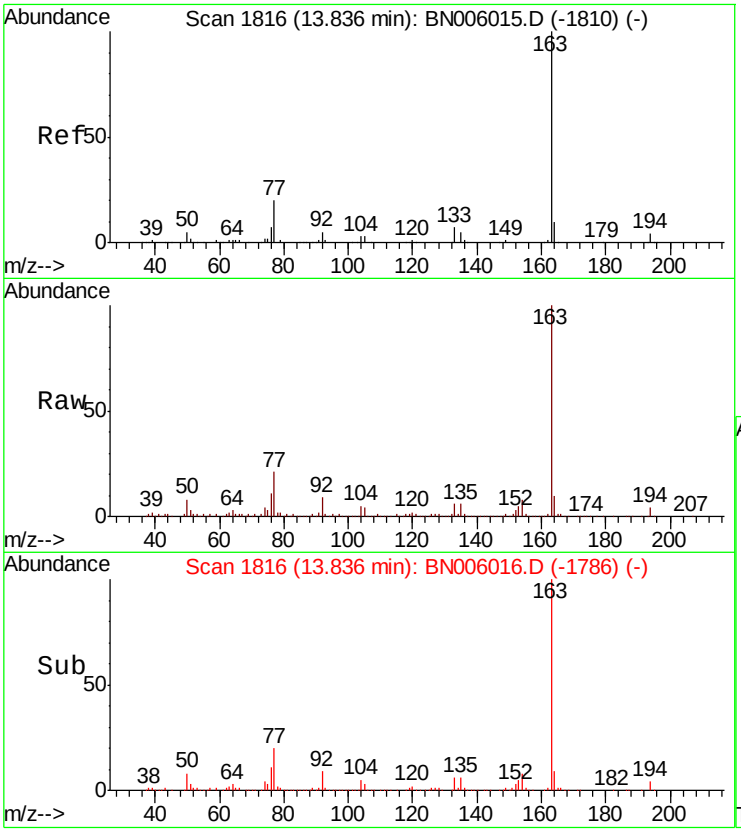


#34
2-Methylnaphthalene
Concen: 1.188 ng/ul
RT: 12.18 min Scan# 1535
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:142 Resp: 93514

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.0	108.0

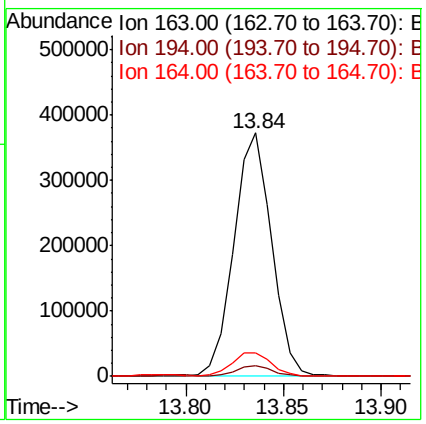




#44
Dimethylphthalate
Concen: 5.217 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:163 Resp: 494684

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.6	8.1	12.1



Instrument :
BNA_N
ClientSampleId :
A42C8

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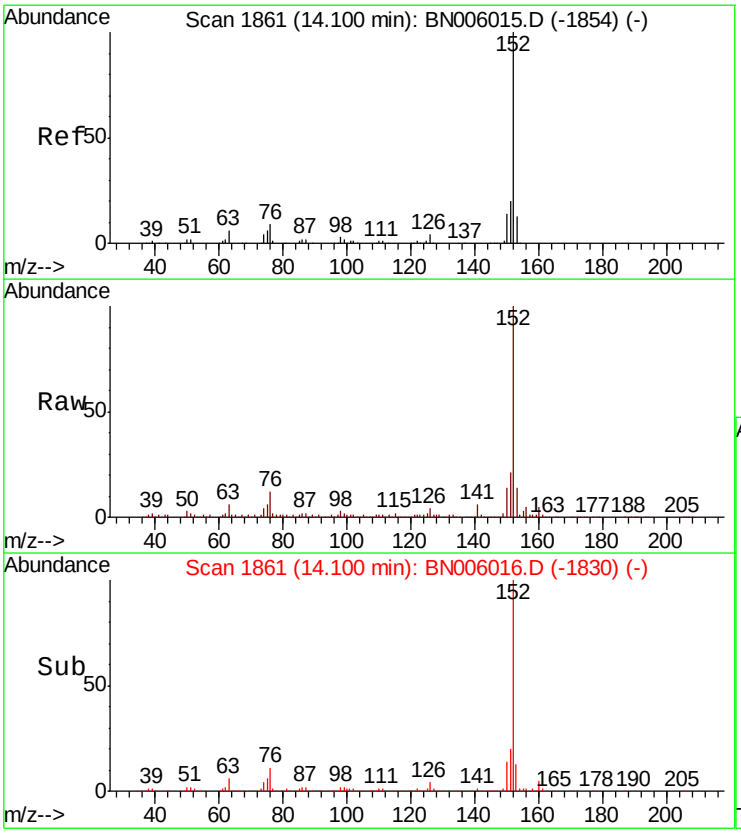
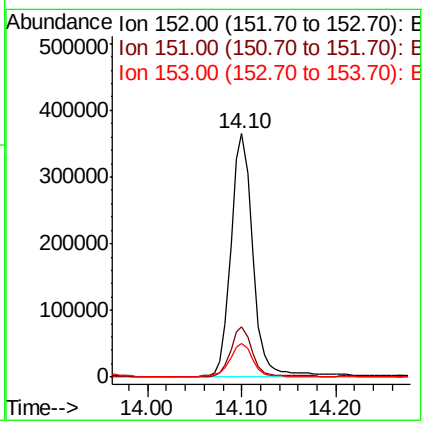
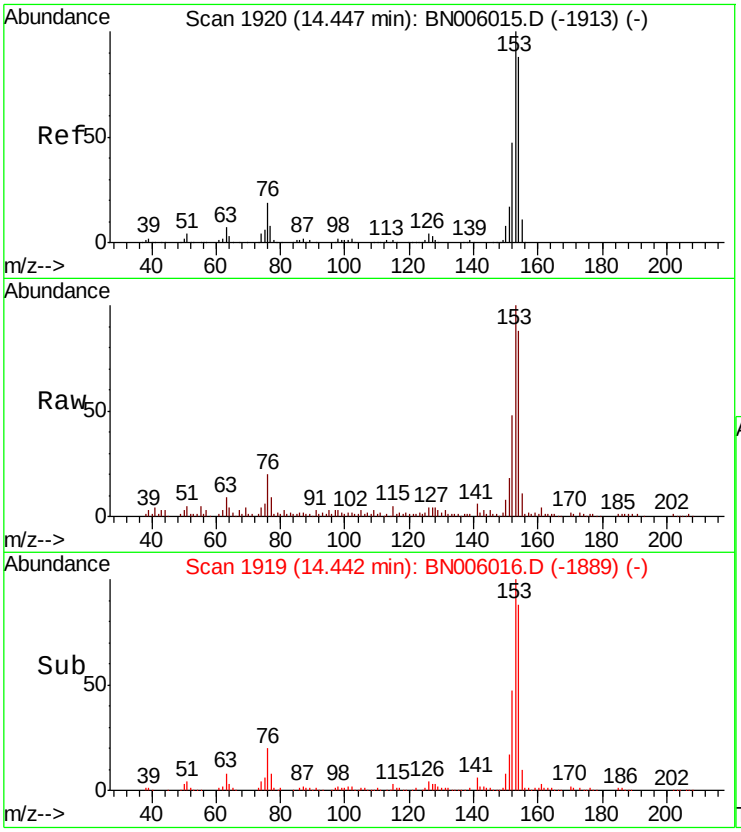


#47
Acenaphthylene
Concen: 5.112 ng/ul
RT: 14.10 min Scan# 1861
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:152 Resp: 594969

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	14.0	9.8	14.8

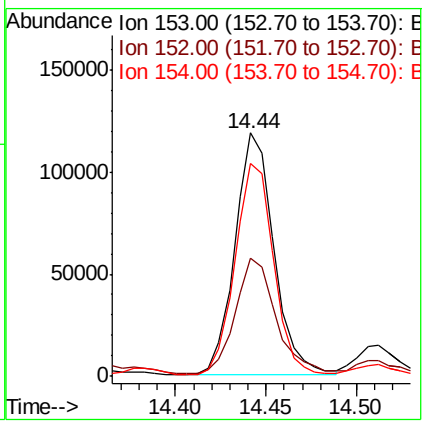




#49
Acenaphthene
Concen: 2.228 ng/ul
RT: 14.44 min Scan# 1919
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:153 Resp: 176173

Ion	Ratio	Lower	Upper
153	100		
152	48.3	37.4	56.0
154	87.5	71.2	106.8



Instrument :
BNA_N
ClientSampleId :
A42C8

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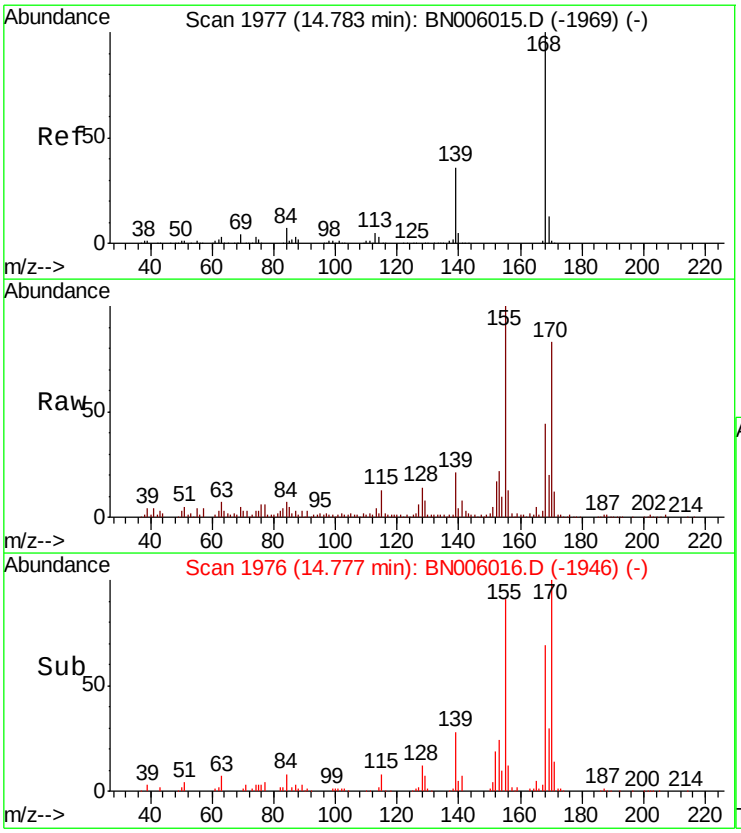
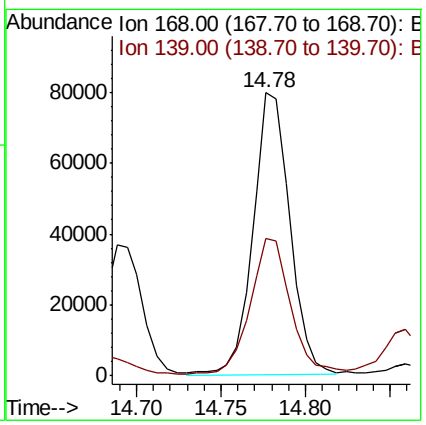
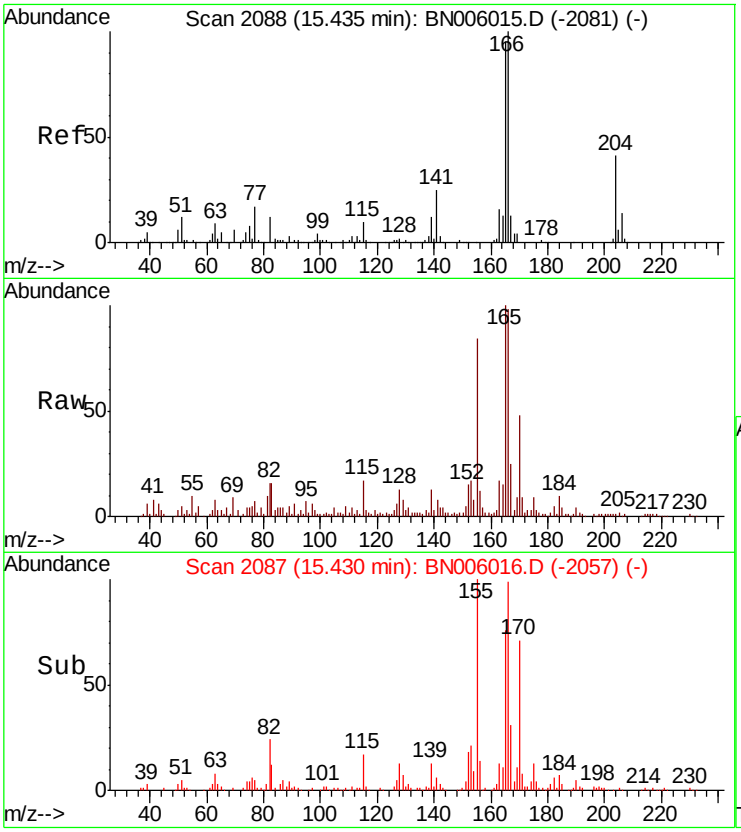


#53
Dibenzofuran
Concen: 1.075 ng/ul
RT: 14.78 min Scan# 1976
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:168 Resp: 120014

Ion	Ratio	Lower	Upper
168	100		
139	48.4	30.9	46.3#





#58
Fluorene
Concen: 2.210 ng/ul
RT: 15.43 min Scan# 2087
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:166 Resp: 193712

Ion	Ratio	Lower	Upper
166	100		
165	101.5	80.0	120.0
167	25.7	10.7	16.1#

Instrument :
BNA_N
ClientSampleId :
A42C8

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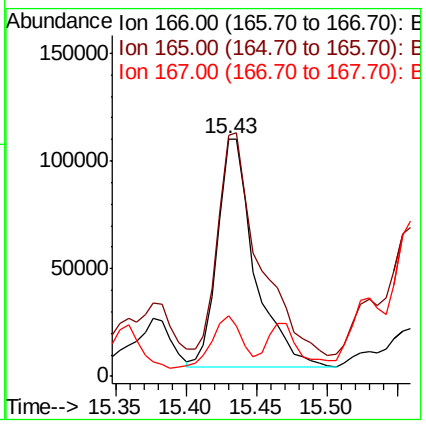
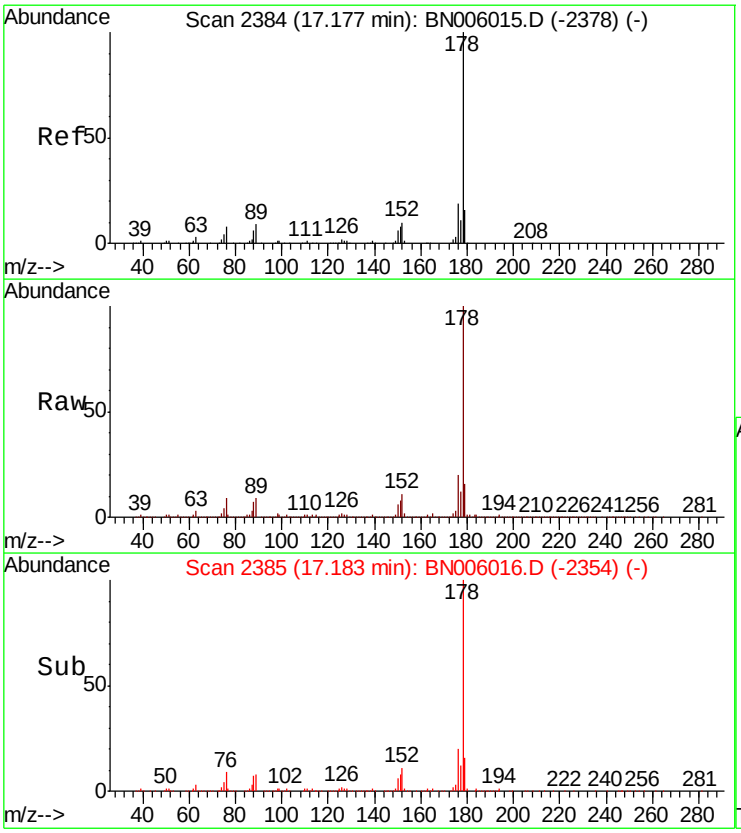
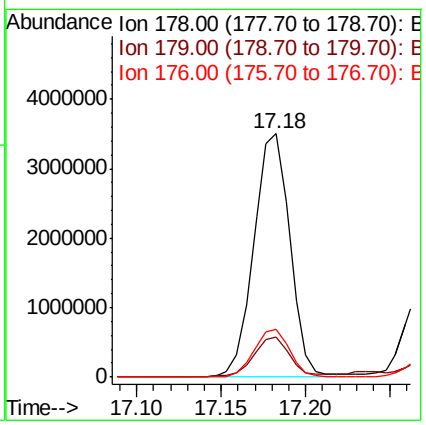


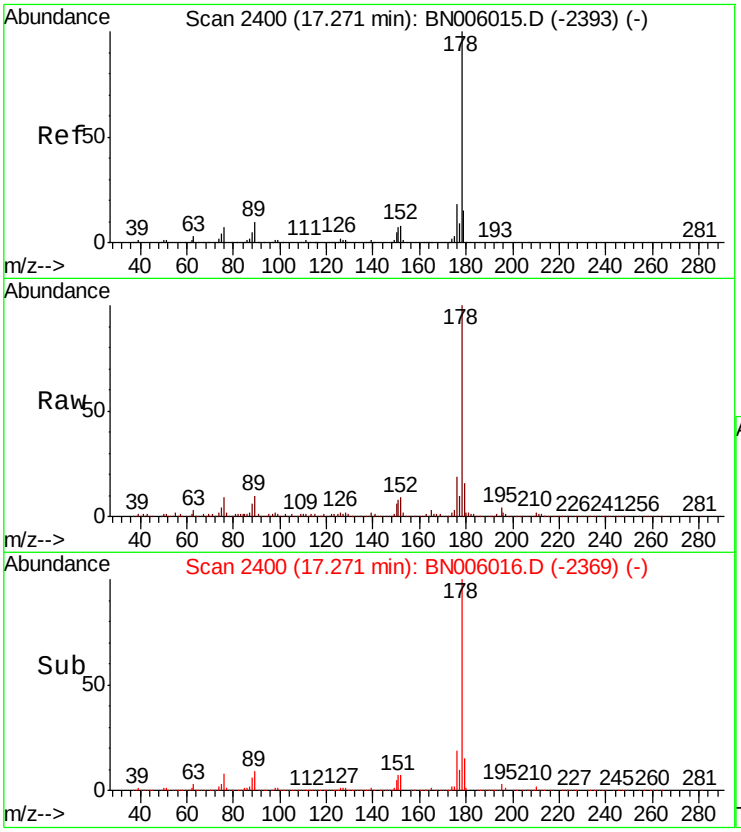


#69
Phenanthrene
Concen: 42.672 ng/ul
RT: 17.18 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:178 Resp: 5157172

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.2	18.4
176	19.5	15.1	22.7

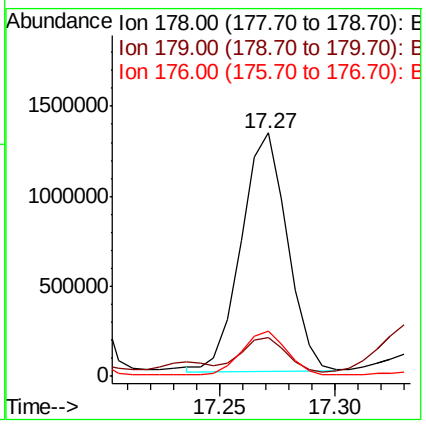




#71
Anthracene
Concen: 15.020 ng/ul
RT: 17.27 min Scan# 2400
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:178 Resp: 1842864

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	18.7	15.1	22.7



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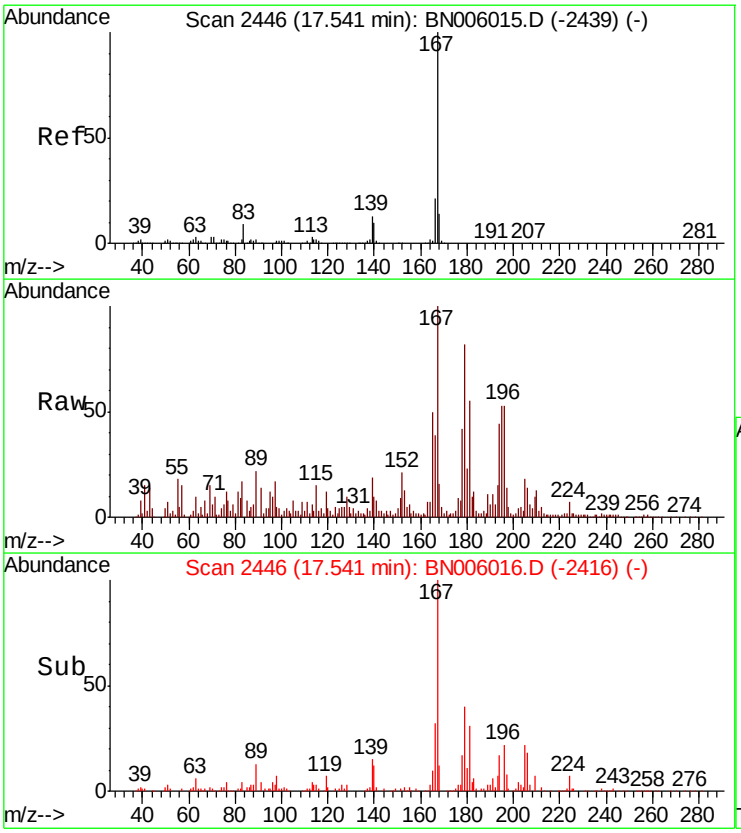
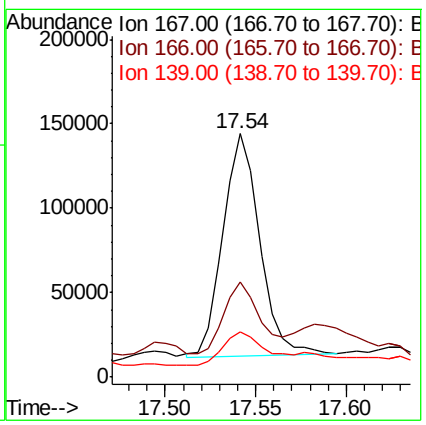
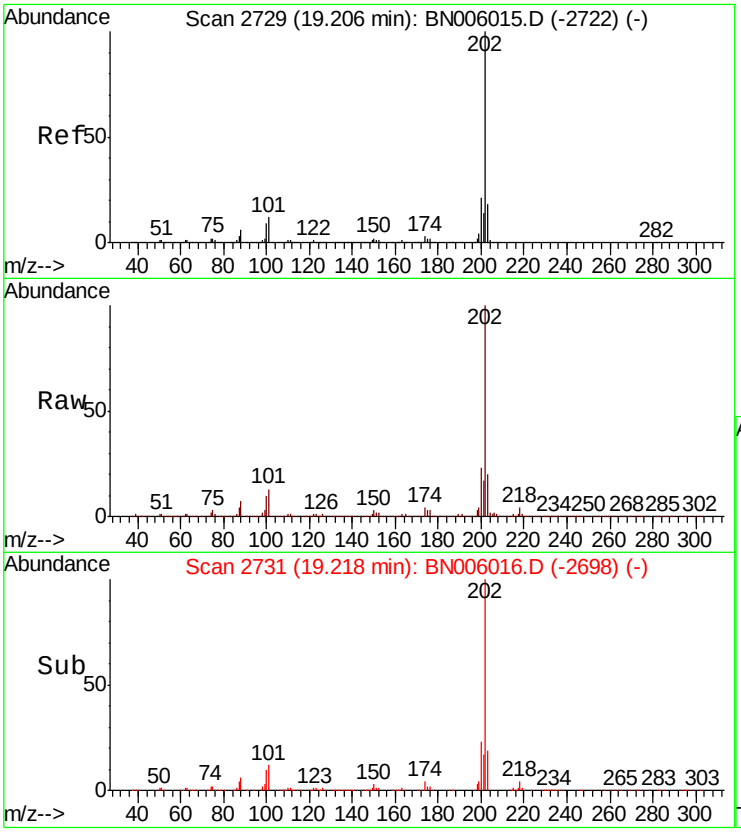


#74
Carbazole
Concen: 1.691 ng/ul
RT: 17.54 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:167 Resp: 186942

Ion	Ratio	Lower	Upper
167	100		
166	39.1	17.2	25.8#
139	18.5	10.6	16.0#

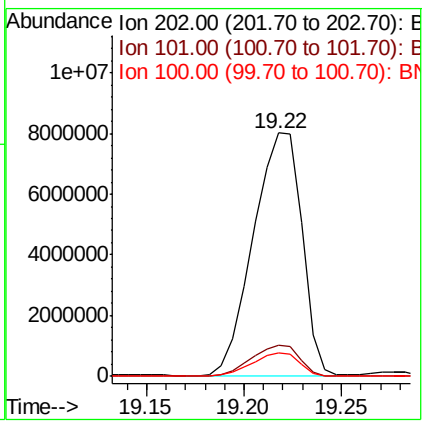




#76
Fluoranthene
Concen: 106.880 ng/ul
RT: 19.22 min Scan# 2731
Delta R.T. -0.01 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:202 Resp:13789329

Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.6	12.8#
100	9.8	6.3	9.5#



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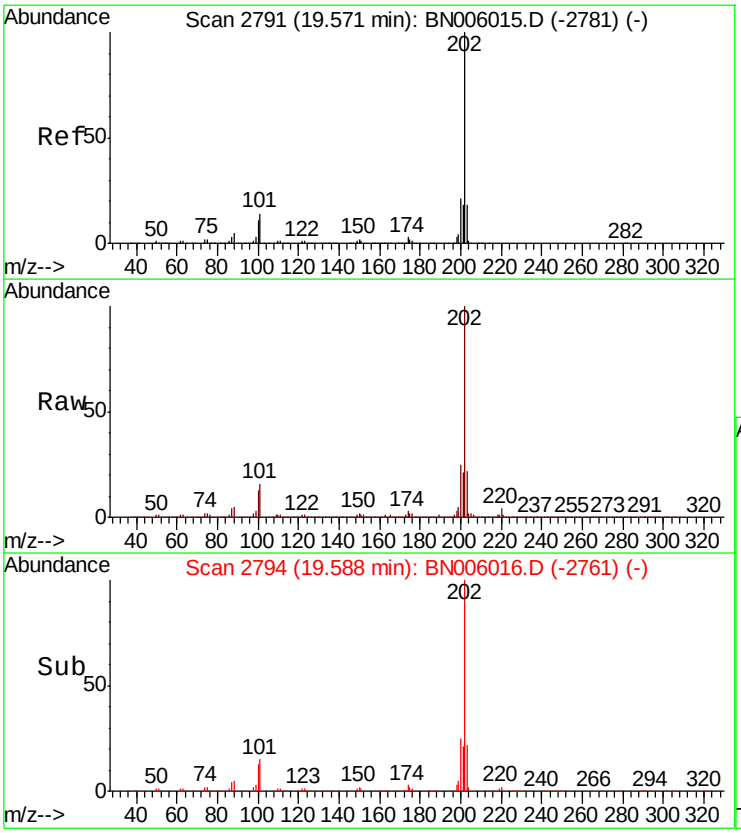
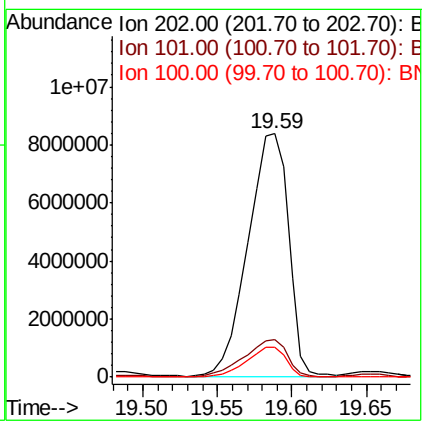
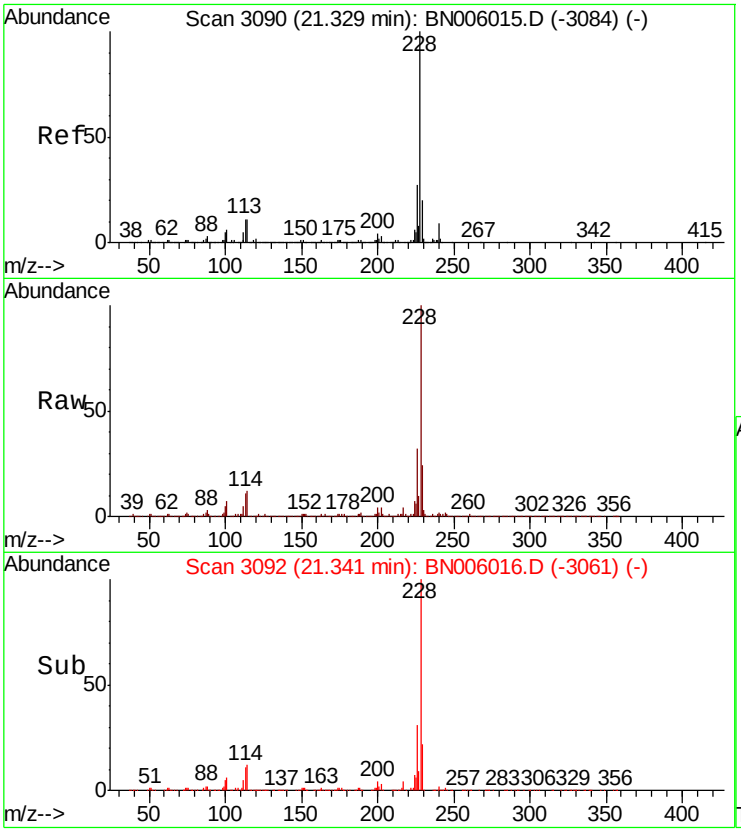


#79
Pyrene
Concen: 175.632 ng/ul
RT: 19.59 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:202 Resp:15673912

Ion	Ratio	Lower	Upper
202	100		
101	15.6	10.3	15.5#
100	12.5	7.9	11.9#

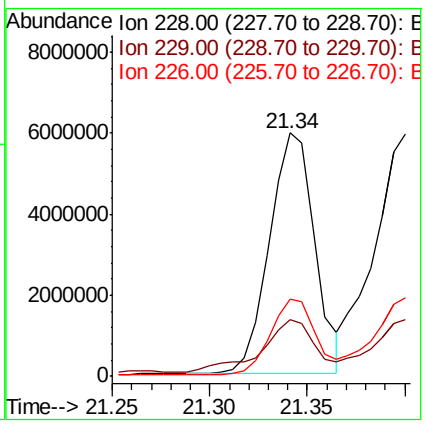




#82
Benzo(a)anthracene
Concen: 108.070 ng/ul
RT: 21.34 min Scan# 3092
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:228 Resp: 9570828

Ion	Ratio	Lower	Upper
228	100		
229	23.5	15.8	23.6
226	31.6	21.4	32.2



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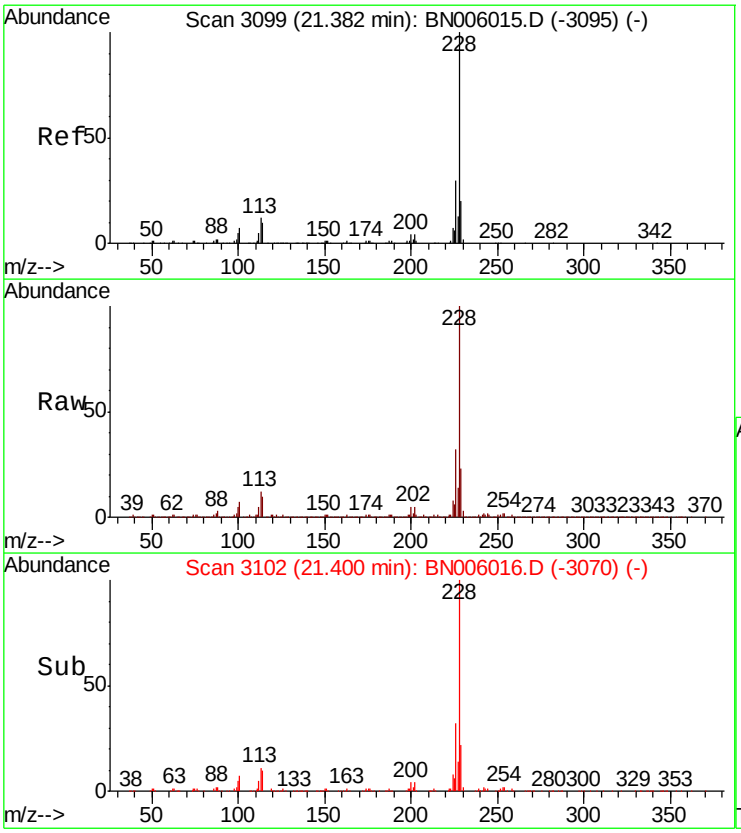
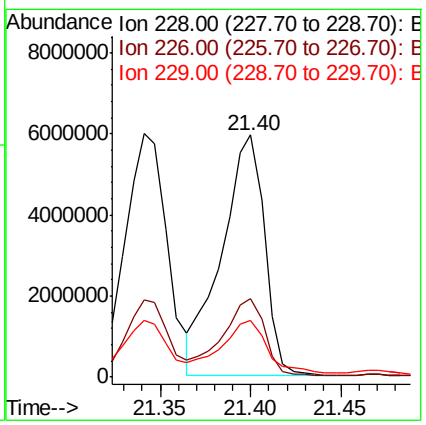
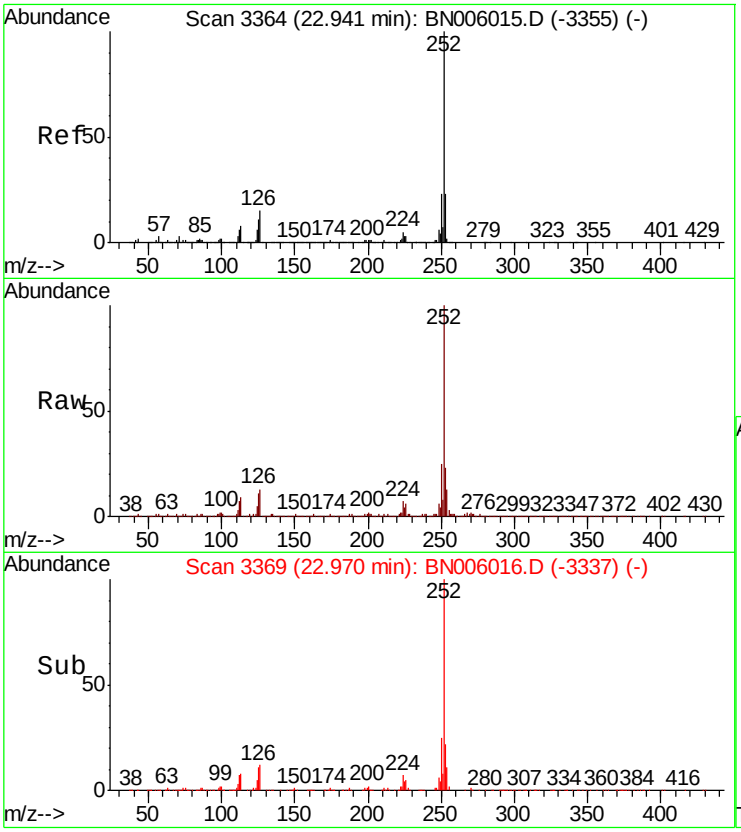


#84
Chrysene
Concen: 118.249 ng/ul
RT: 21.40 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:228 Resp: 9767174

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.0	36.0
229	23.2	15.4	23.0#

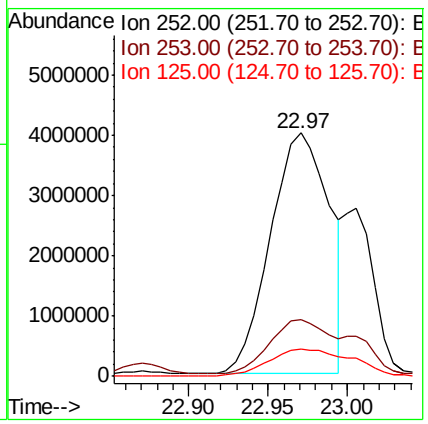




#87
Benzo(b)fluoranthene
Concen: 101.442 ng/ul
RT: 22.97 min Scan# 3369
Delta R.T. -0.01 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:252 Resp:10374877

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.0	8.4	12.6



Instrument :
BNA_N
ClientSampleId :
A42C8

Manual Integrations APPROVED
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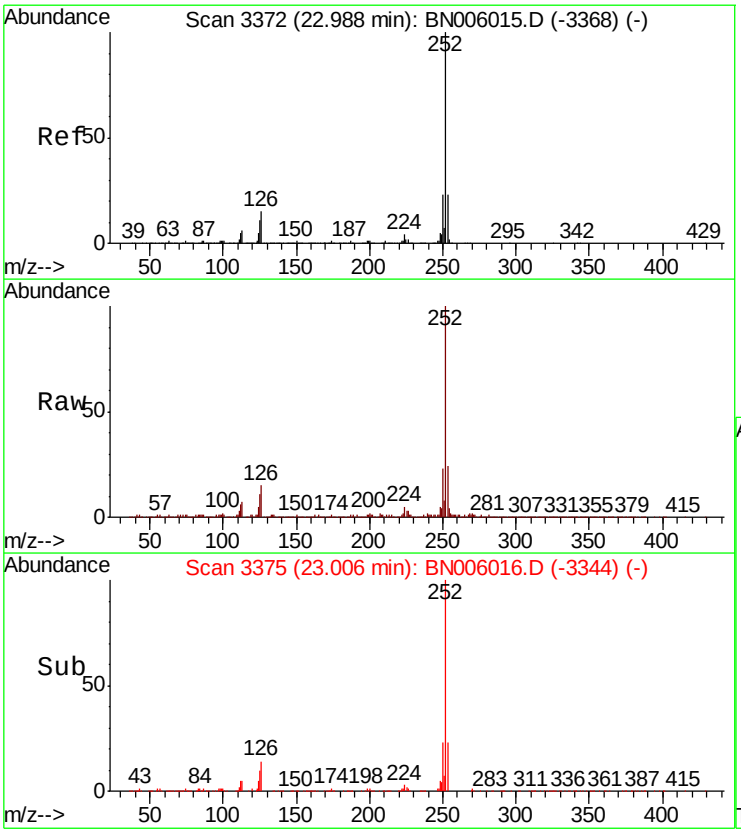
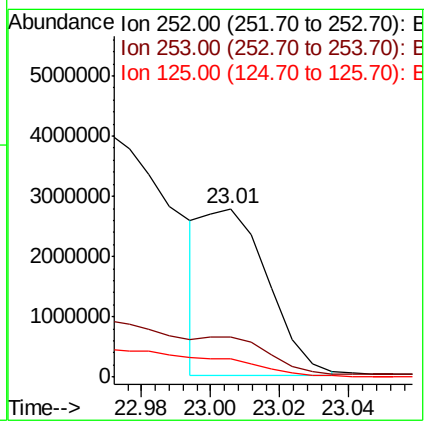
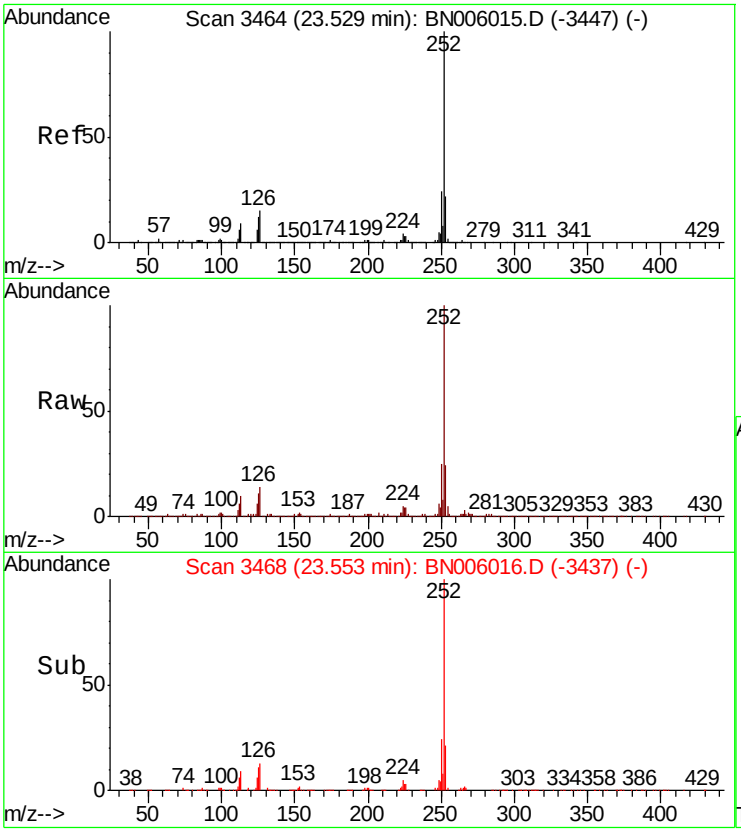


#88
Benzo(k)fluoranthene
Concen: 37.804 ng/ul m
RT: 23.01 min Scan# 3375
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:252 Resp: 3554937

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	10.6	7.5	11.3

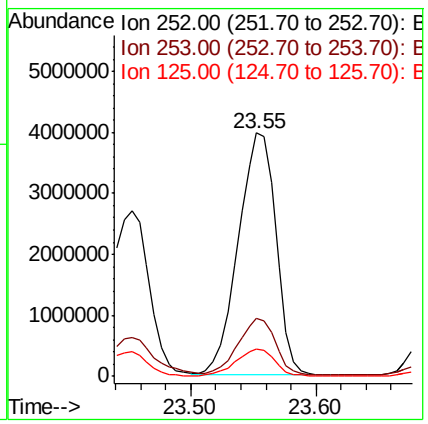




#90
Benzo(a)pyrene
Concen: 86.448 ng/ul m
RT: 23.55 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:252 Resp: 8337658

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	11.2	8.6	13.0



Instrument :
BNA_N
ClientSampleId :
A42C8

Manual Integrations APPROVED
Sohil
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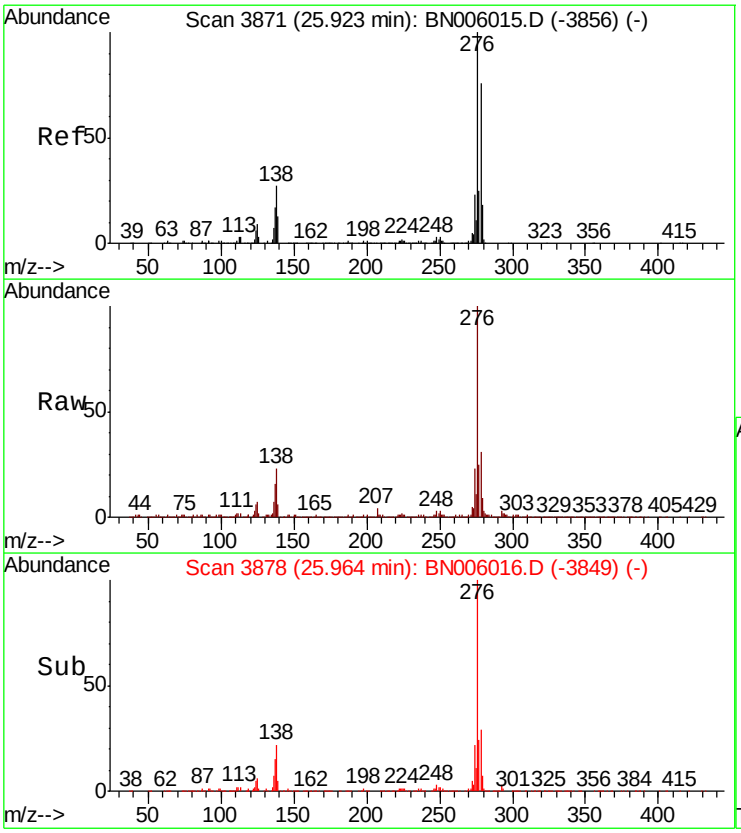
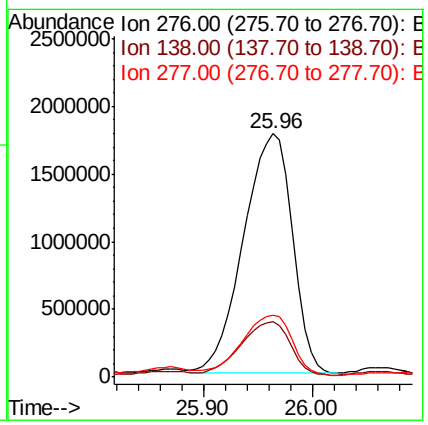
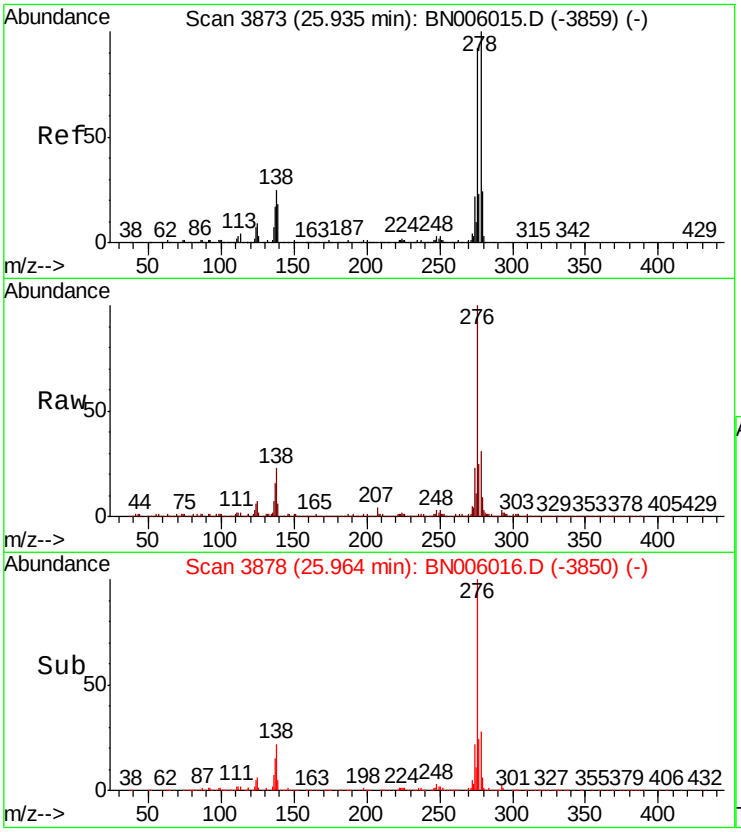


#91
Indeno(1,2,3-cd)pyrene
Concen: 48.933 ng/ul m
RT: 25.96 min Scan# 3878
Delta R.T. -0.03 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:276 Resp: 5537858

Ion	Ratio	Lower	Upper
276	100		
138	22.7	17.9	26.9
277	25.2	19.7	29.5

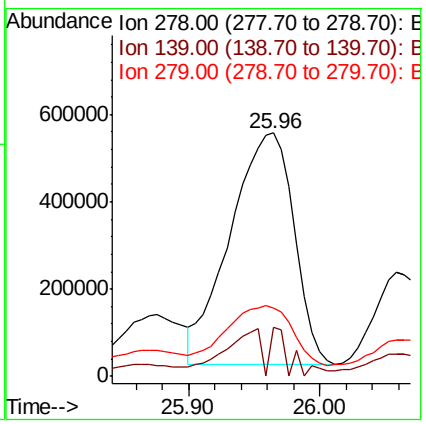




#92
Dibenzo(a,h)anthracene
Concen: 19.061 ng/ul m
RT: 25.96 min Scan# 3878
Delta R.T. -0.04 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

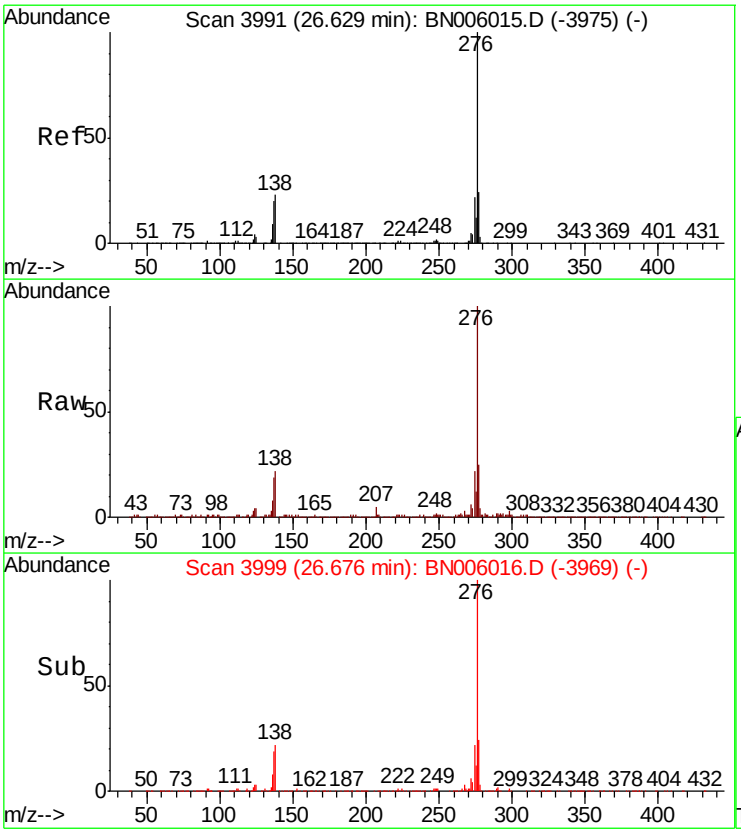
Tgt Ion:278 Resp: 1796011

Ion	Ratio	Lower	Upper
278	100		
139	20.2	13.1	19.7#
279	28.0	19.4	29.0



Instrument :
BNA_N
ClientSampleId :
A42C8

Manual Integrations APPROVED
Sohil
6/4/2019 8:38:34 AM



#93
Benzo(g,h,i)perylene
Concen: 46.043 ng/ul m
RT: 26.68 min Scan# 3999
Delta R.T. -0.02 min
Lab File: BN006016.D
Acq: 02 Jun 2019 05:32

Tgt Ion:276 Resp: 4388669

Ion	Ratio	Lower	Upper
276	100		
138	22.3	16.7	25.1
277	24.9	18.2	27.2