Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
Data File : BN005436.D
Acq On : 03 May 2019 03:39
Operator : JU/SJ
Sample : K2603-15 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAJ67

Manual Integrations APPROVED
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5/3/2019 4:57:30 PM

Quant Time: May 03 05:56:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	376392	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1685329	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1054682	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2381153	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1856470	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1765337	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	4603	0.59	ng/uL	0.00
5) Phenol-d5	6.78	99	106831	3.61	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	69133	3.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	88700	3.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	93229	4.03	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	50290	4.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	53547	5.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	97306	4.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	111449	4.48	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	340263	4.44	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	407706	4.34	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	26474	2.19	ng/ul	0.02
57) Fluorene-d10	15.22	176	287870	4.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	26073	2.43	ng/ul	0.00
70) Anthracene-d10	17.08	188	435730	4.37	ng/ul	0.00
78) Pyrene-d10	19.39	212	466445	4.91	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	332870	4.31	ng/ul	-0.01
Target Compounds						Qvalue
28) Naphthalene	10.41	128	18889721	241.100	ng/ul	95
34) 2-Methylnaphthalene	12.03	142	8363141	145.782	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	1669955	21.251	ng/ul	98
44) Dimethylphthalate	13.69	163	112284	1.472	ng/ul	99
47) Acenaphthylene	13.95	152	7874079	85.207	ng/ul	97
49) Acenaphthene	14.29	153	599154	9.497	ng/ul	99
53) Dibenzofuran	14.63	168	619513	6.820	ng/ul	96
58) Fluorene	15.29	166	4065549	57.360	ng/ul	98
69) Phenanthrene	17.03	178	15066984m	129.926	ng/ul	
71) Anthracene	17.12	178	4598511	38.926	ng/ul	99
76) Fluoranthene	19.06	202	9086965	70.645	ng/ul	96
79) Pyrene	19.43	202	12675681	106.044	ng/ul	97
82) Benzo(a)anthracene	21.19	228	4369015m	37.830	ng/ul	
84) Chrysene	21.25	228	3794132	35.397	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	2661565	26.821	ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	664444m	7.011	ng/ul	
90) Benzo(a)pyrene	23.32	252	2638927m	28.292	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.59	276	1048151	10.164	ng/ul	95
92) Dibenzo(a,h)anthracene	25.59	278	330099m	3.772	ng/ul	
93) Benzo(g,h,i)perylene	26.25	276	992253	11.636	ng/ul	94

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

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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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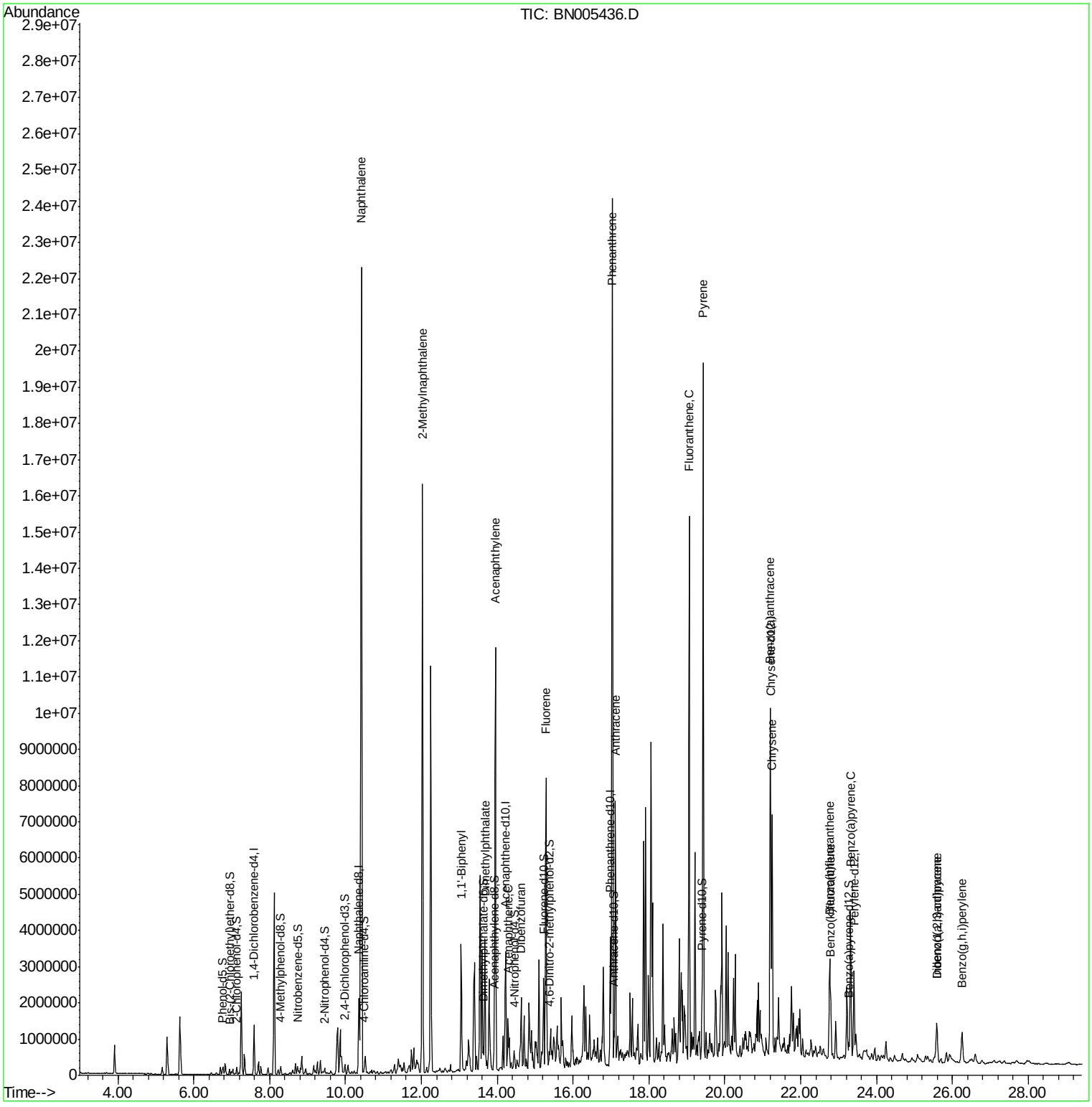
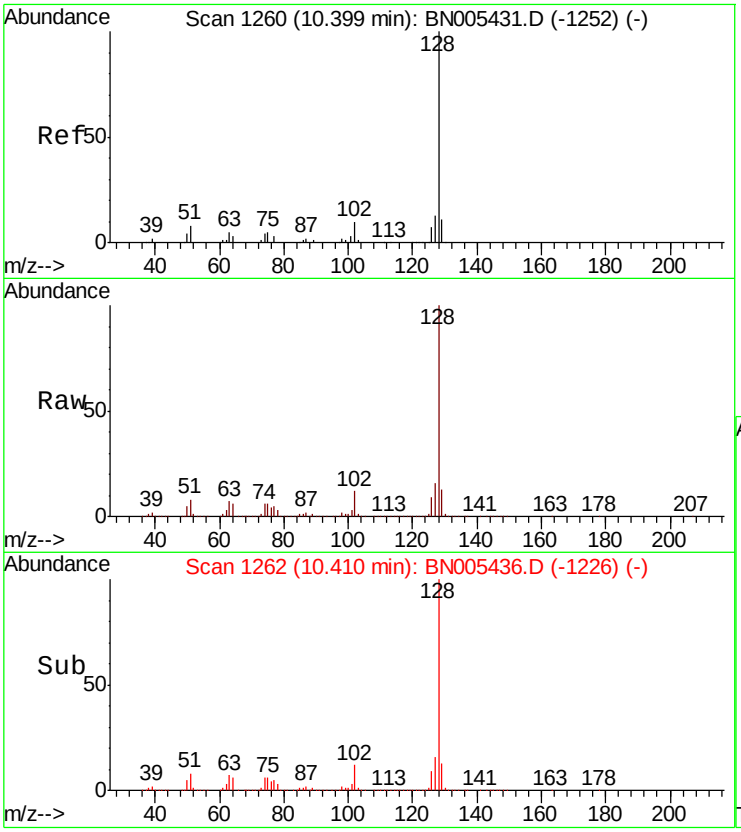
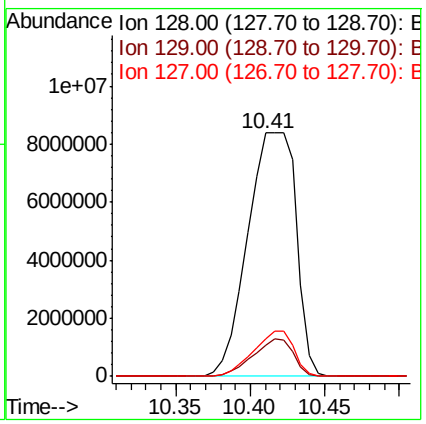




#28
Naphthalene
Concen: 241.100 ng/ul
RT: 10.41 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:128 Resp:18889721

Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.2	13.8
127	15.6	10.7	16.1



Instrument :
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ClientSampleId :
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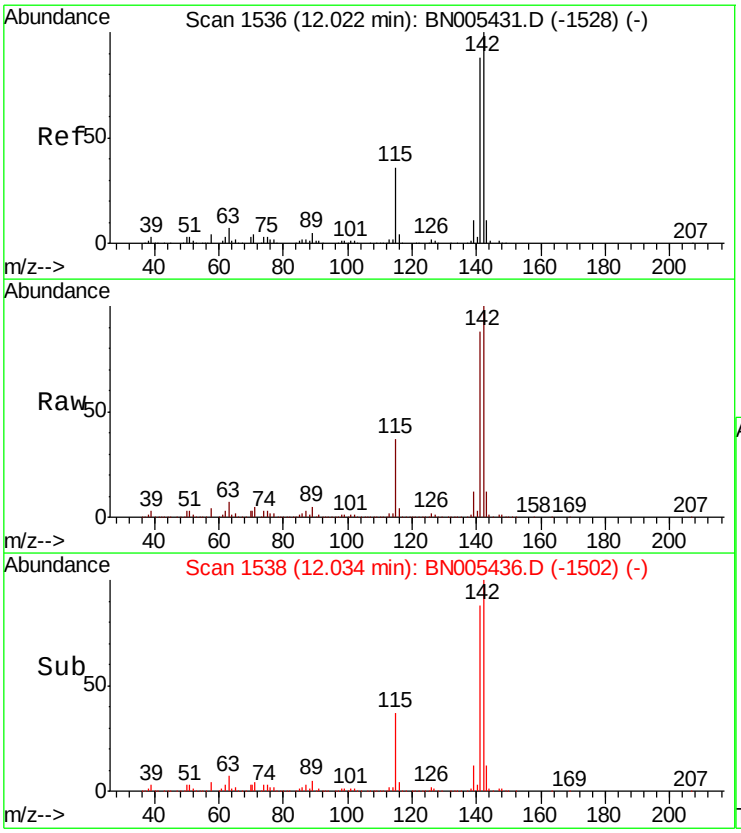
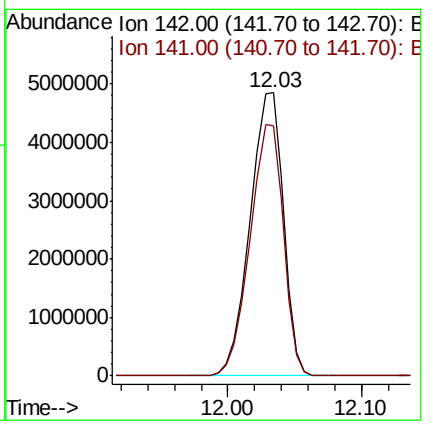
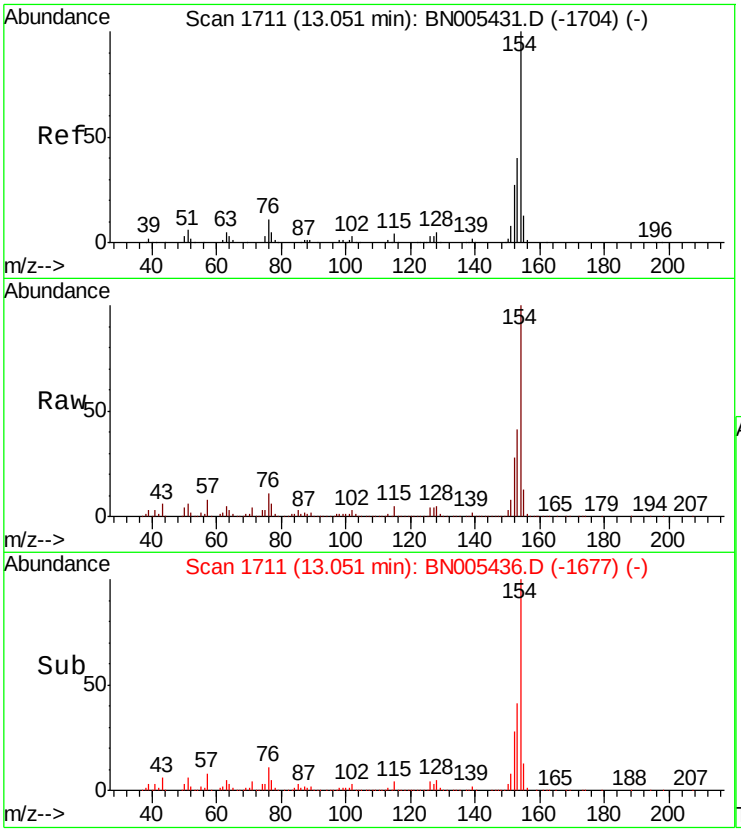


#34
2-Methylnaphthalene
Concen: 145.782 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:142 Resp: 8363141

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.0	108.0

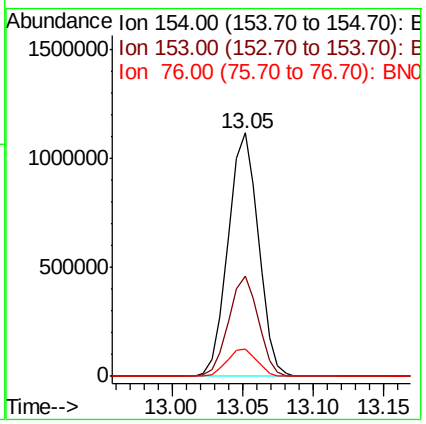




#40
1,1'-Biphenyl
Concen: 21.251 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.00 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:154 Resp: 1669955

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.6	49.0
76	11.2	10.4	15.6



Instrument :
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ClientSampleId :
GAJ67

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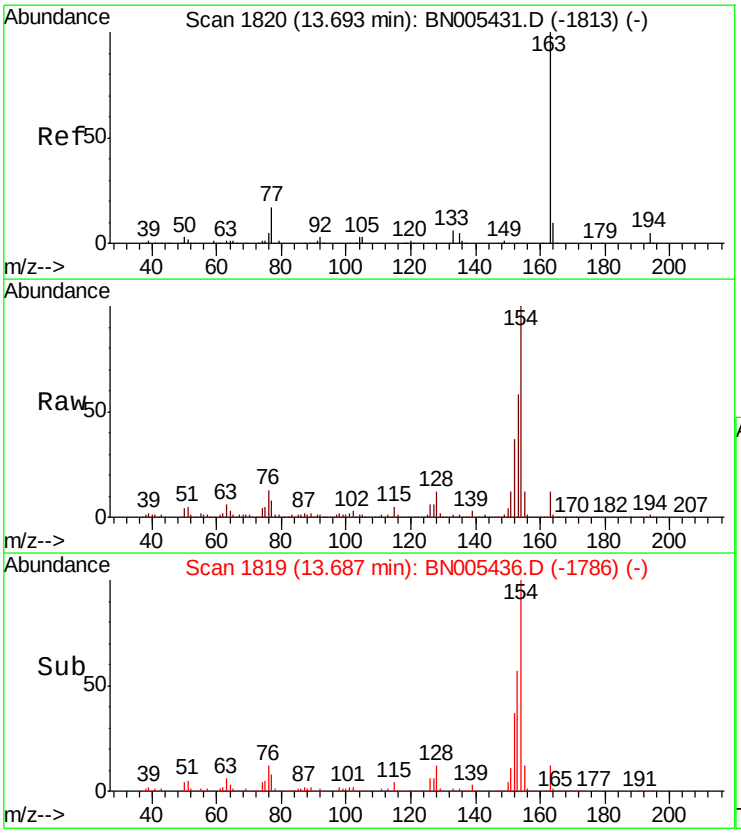
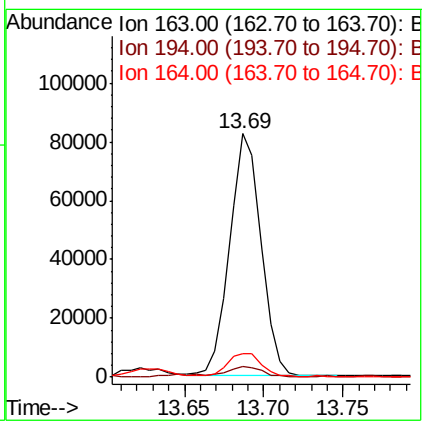
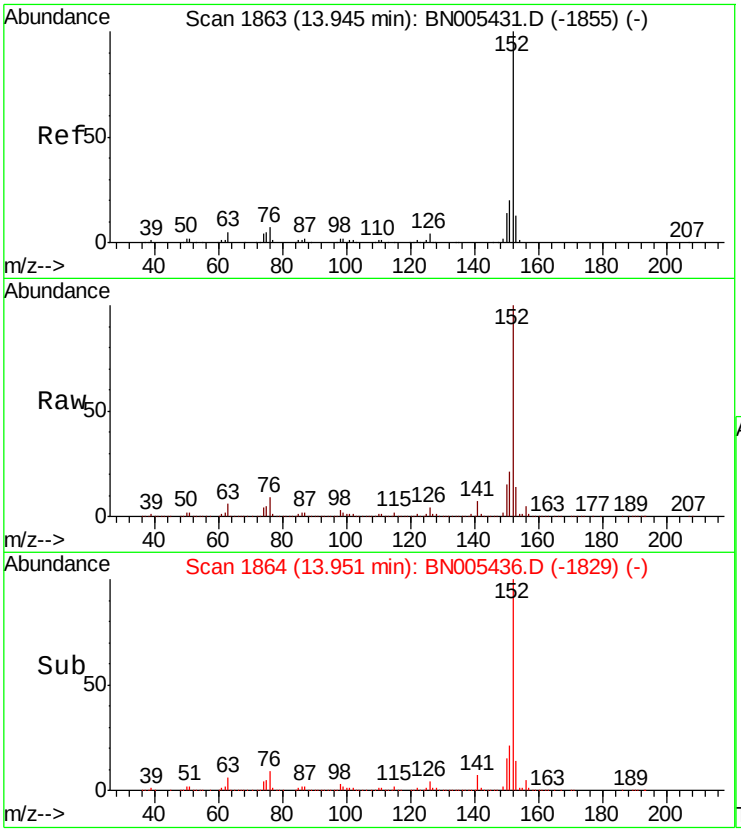


#44
Dimethylphthalate
Concen: 1.472 ng/ul
RT: 13.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:163 Resp: 112284

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.0
164	9.7	8.1	12.1

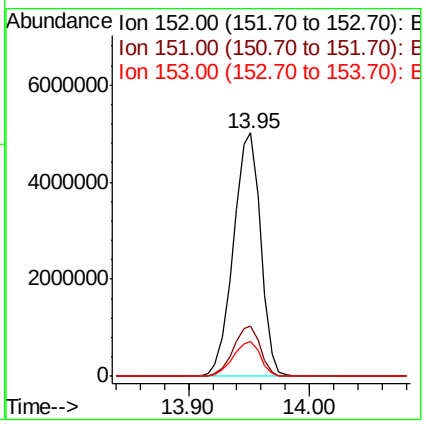




#47
Acenaphthylene
Concen: 85.207 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:152 Resp: 7874079

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.8
153	14.2	9.8	14.8



Instrument :
BNA_N
ClientSampleId :
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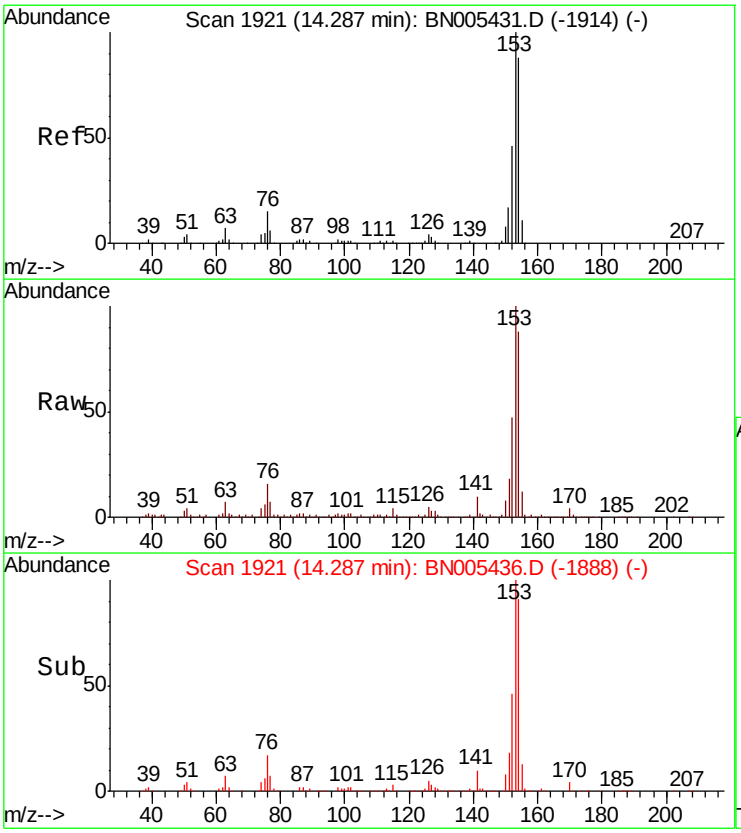
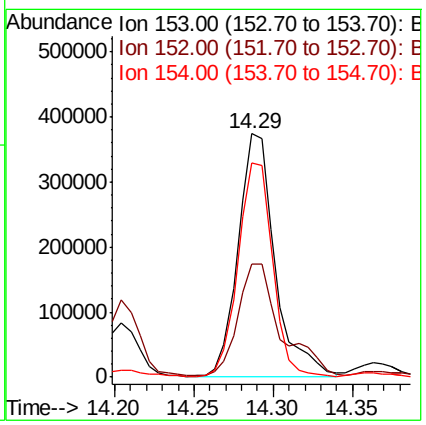
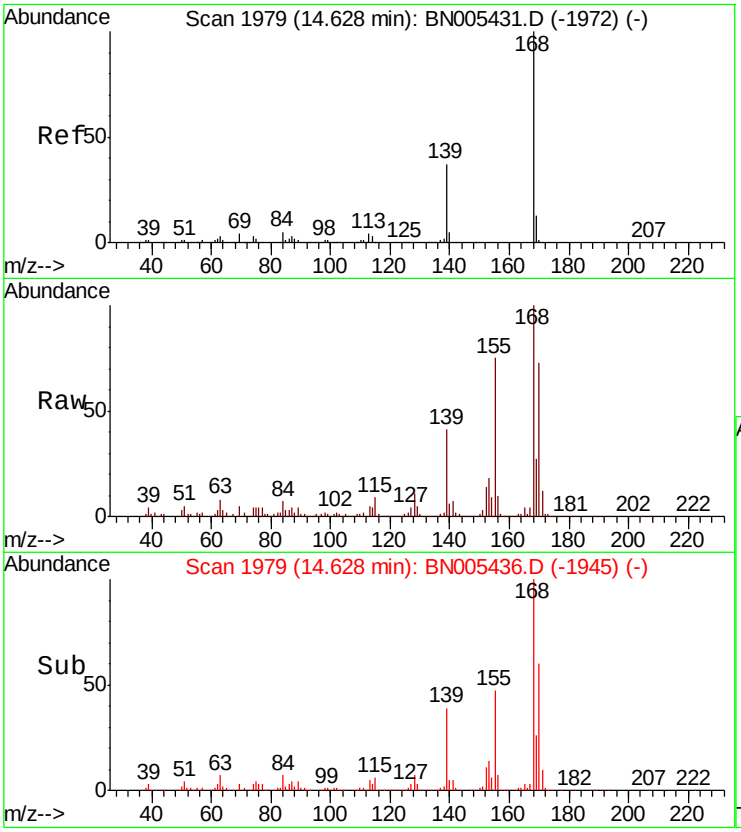


#49
Acenaphthene
Concen: 9.497 ng/ul
RT: 14.29 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:153 Resp: 599154

Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.4	56.0
154	88.2	71.2	106.8





#53
Dibenzofuran
Concen: 6.820 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:168 Resp: 619513

Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.9	46.3

Instrument :
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ClientSampleId :
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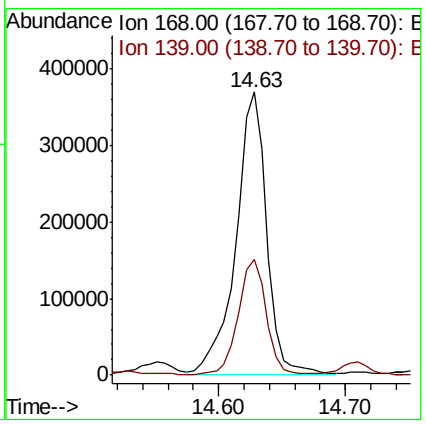
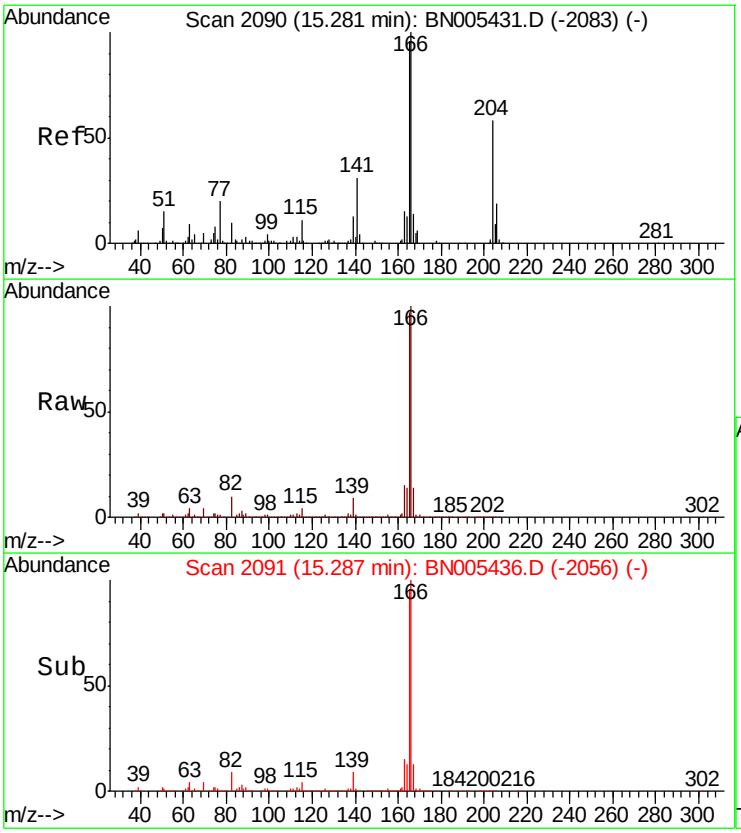
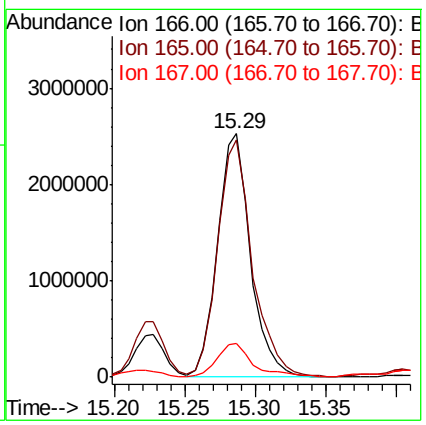


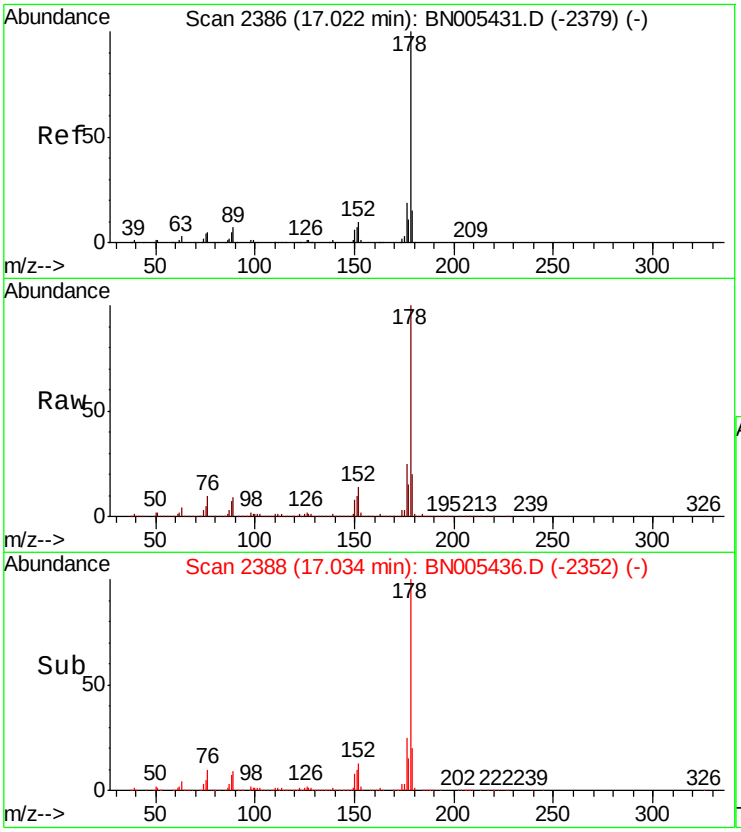


#58
Fluorene
Concen: 57.360 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:166 Resp: 4065549

Ion	Ratio	Lower	Upper
166	100		
165	97.4	80.0	120.0
167	13.8	10.7	16.1

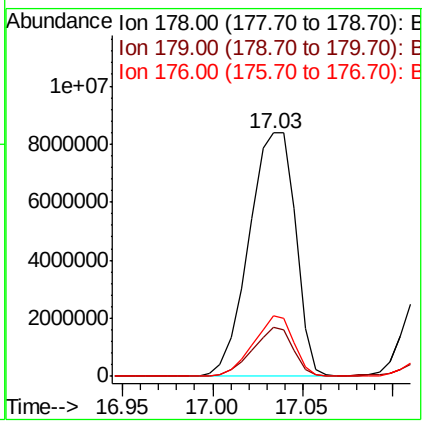




#69
Phenanthrene
Concen: 129.926 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:178 Resp:15066984

Ion	Ratio	Lower	Upper
178	100		
179	20.1	12.2	18.4#
176	24.6	15.1	22.7#



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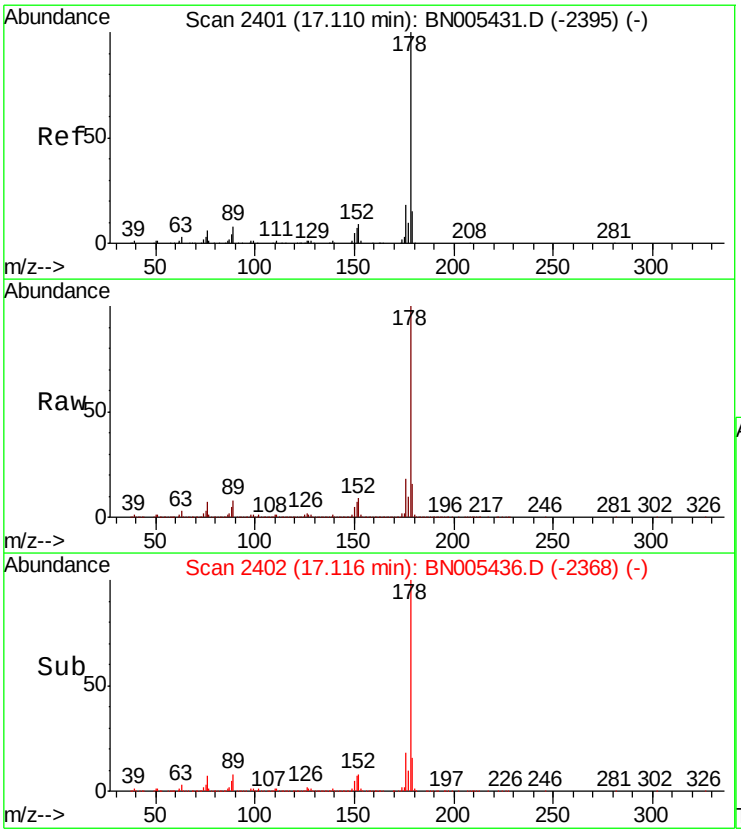
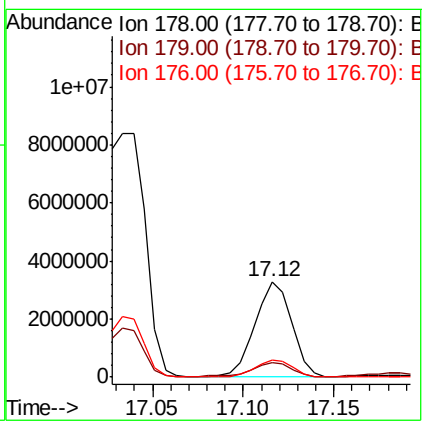
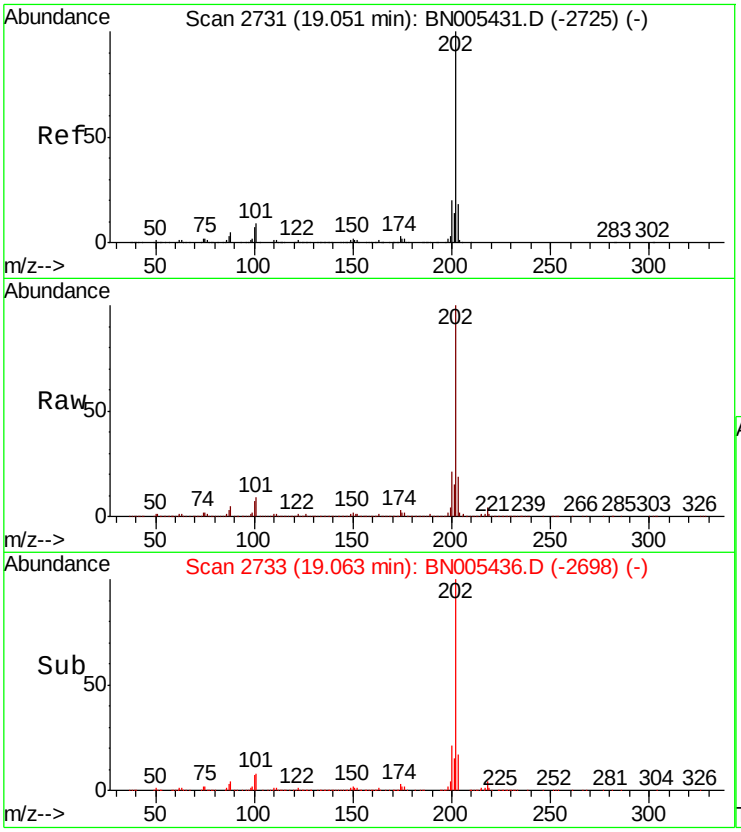


#71
Anthracene
Concen: 38.926 ng/ul
RT: 17.12 min Scan# 2402
Delta R.T. -0.00 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:178 Resp: 4598511

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.3	15.1	22.7

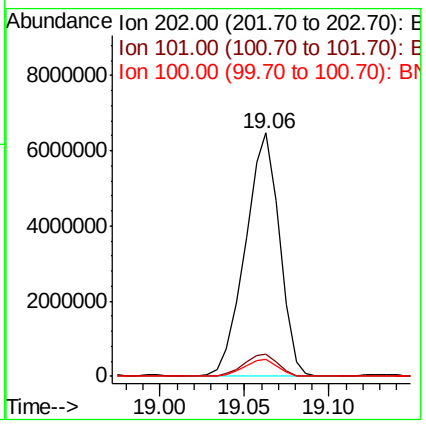




#76
Fluoranthene
Concen: 70.645 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:202 Resp: 9086965

Ion	Ratio	Lower	Upper
202	100		
101	9.1	8.6	12.8
100	6.8	6.3	9.5



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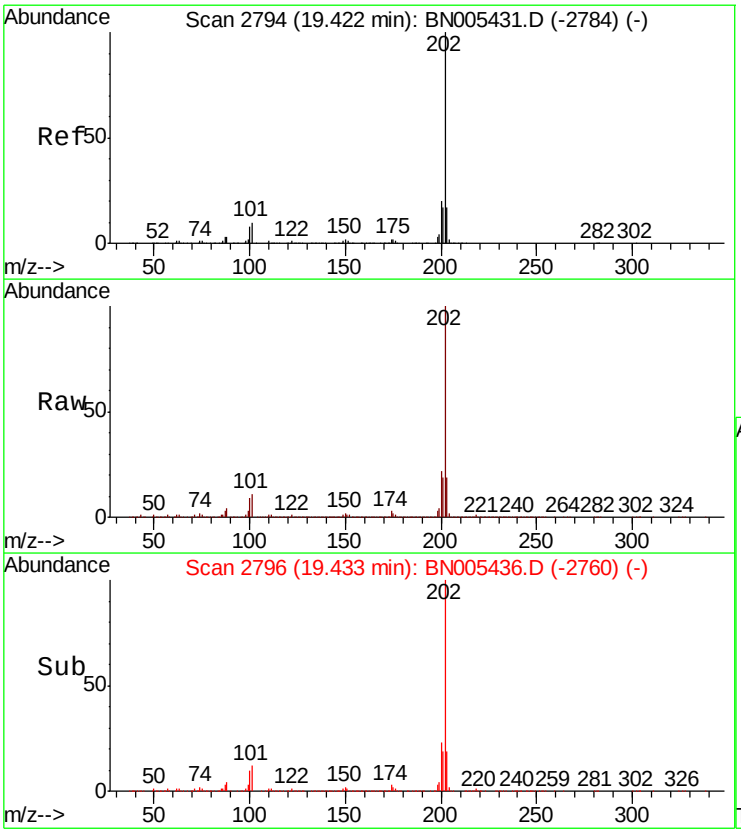
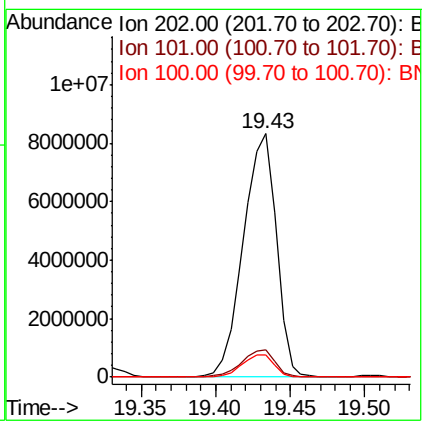
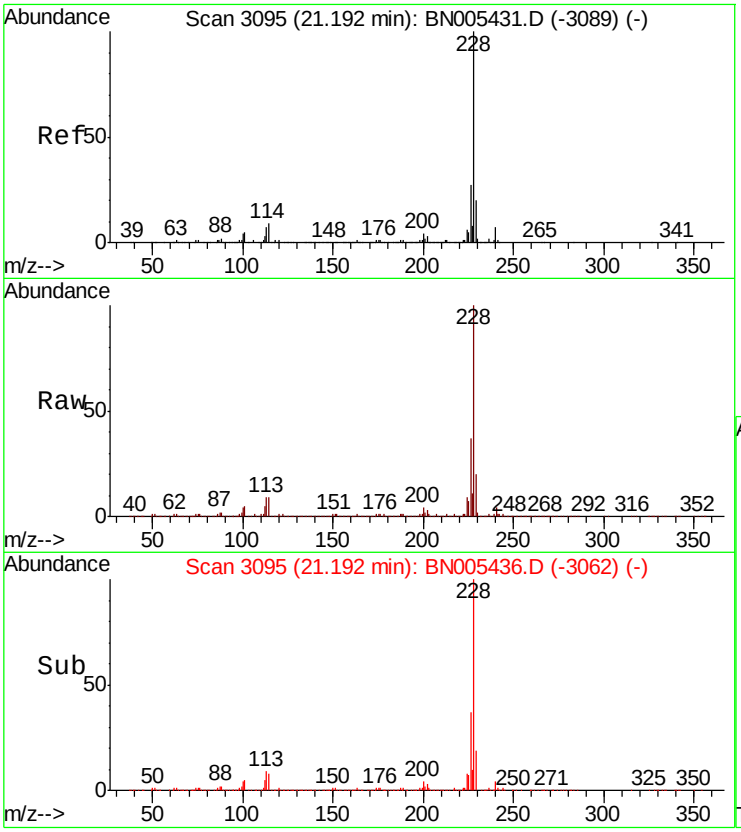


#79
Pyrene
Concen: 106.044 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:202 Resp:12675681

Ion	Ratio	Lower	Upper
202	100		
101	11.3	10.3	15.5
100	9.2	7.9	11.9

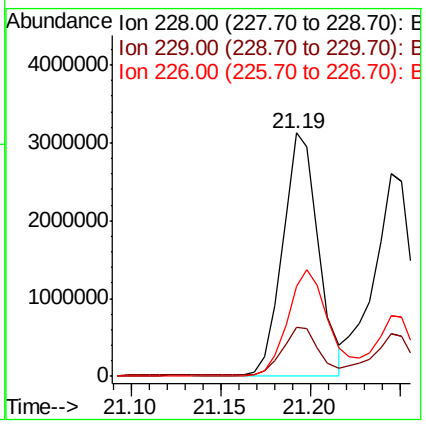




#82
Benzo(a)anthracene
Concen: 37.830 ng/ul m
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:228 Resp: 4369015

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.8	23.6
226	37.1	21.4	32.2#



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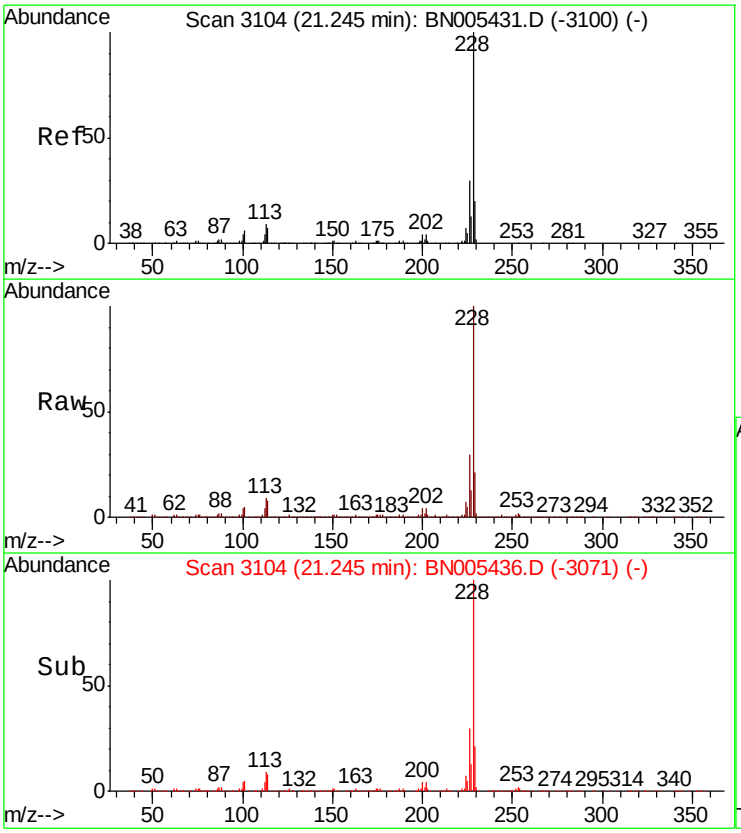
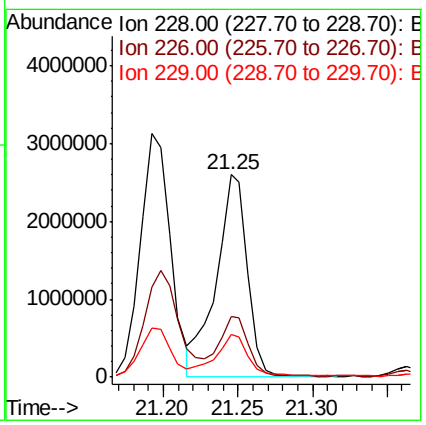
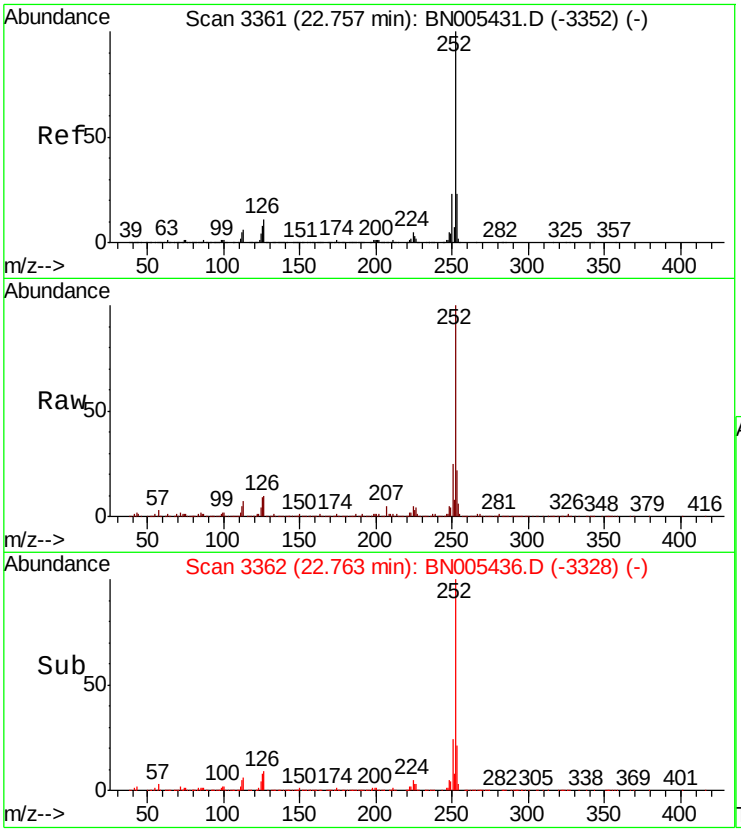


#84
Chrysene
Concen: 35.397 ng/ul
RT: 21.25 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:228 Resp: 3794132

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	21.4	15.4	23.0

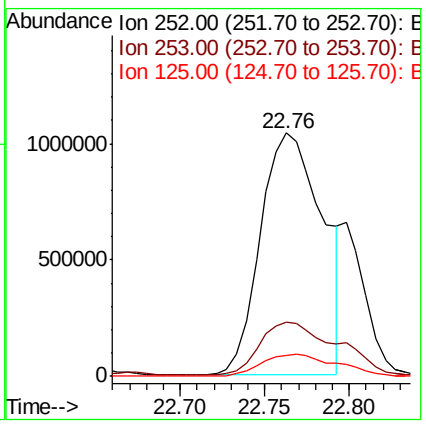




#87
Benzo(b)fluoranthene
Concen: 26.821 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.00 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:252 Resp: 2661565

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.5	8.4	12.6



Instrument :
BNA_N
ClientSampleId :
GAJ67

Manual Integrations APPROVED
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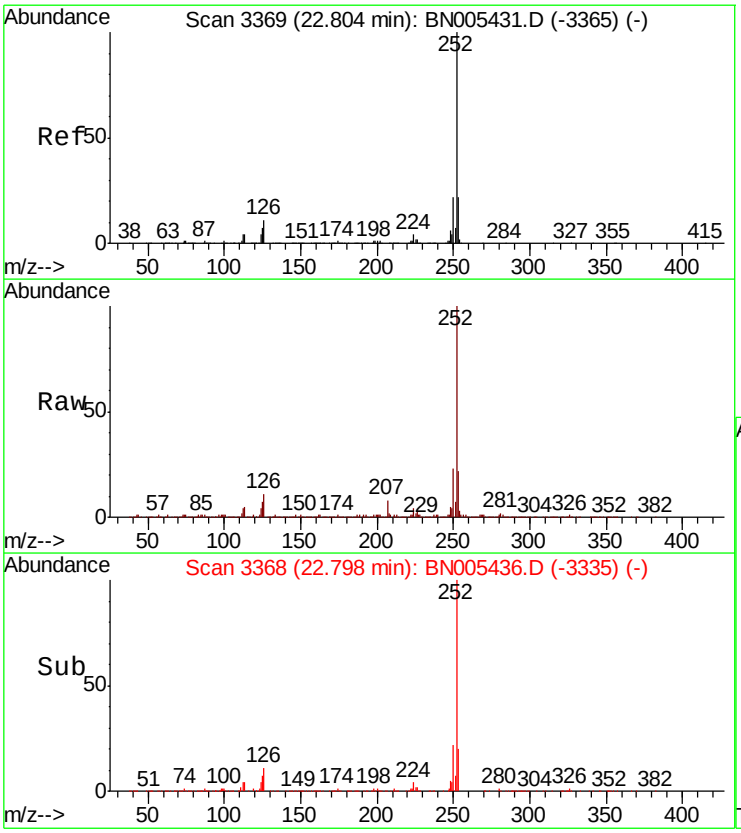
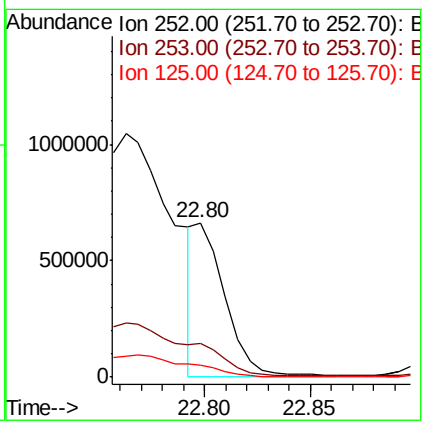
5/3/2019 4:57:30 PM

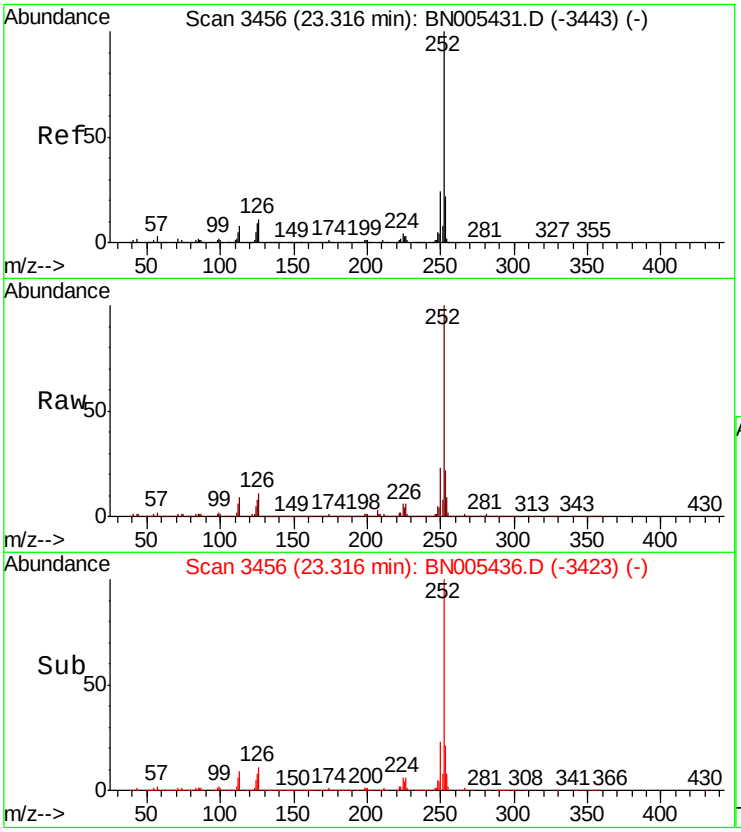


#88
Benzo(k)fluoranthene
Concen: 7.011 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:252 Resp: 664444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	7.4	7.5	11.3#





#90
Benzo(a)pyrene
Concen: 28.292 ng/ul m
RT: 23.32 min Scan# 3456
Delta R.T. -0.01 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:252 Resp: 2638927

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	8.4	8.6	13.0#

Instrument :
BNA_N
ClientSampleId :
GAJ67

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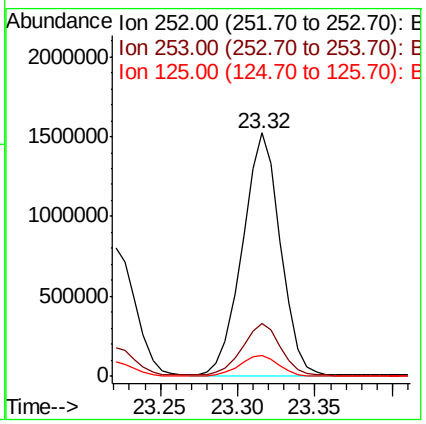
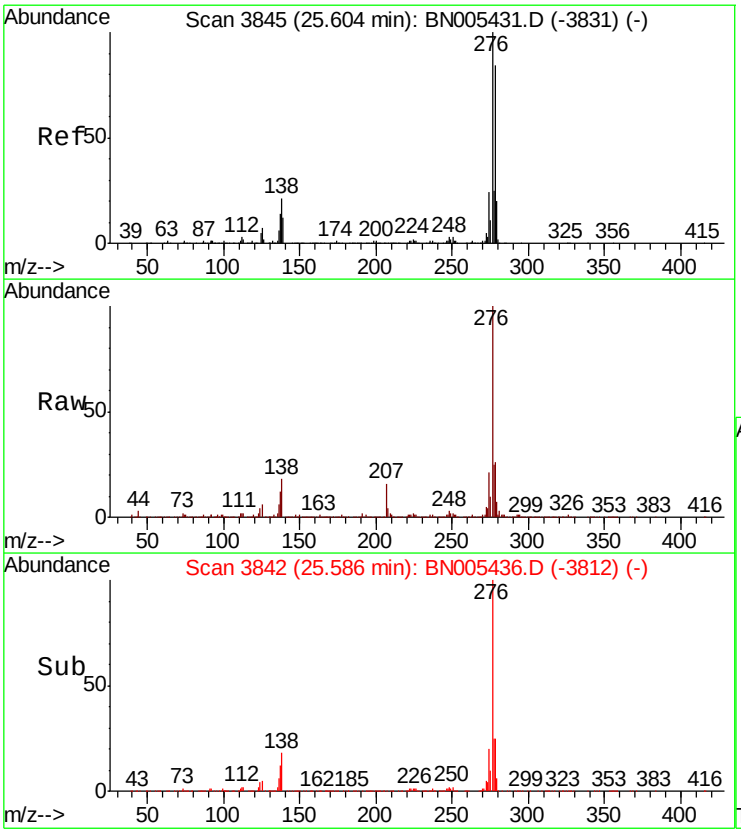
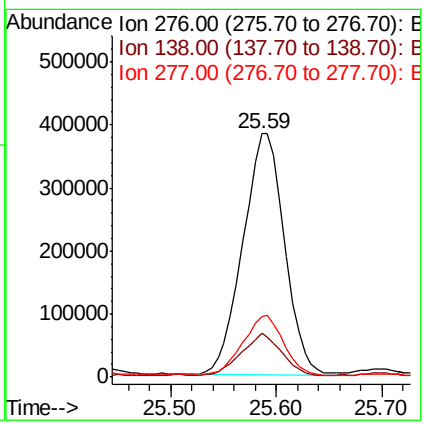


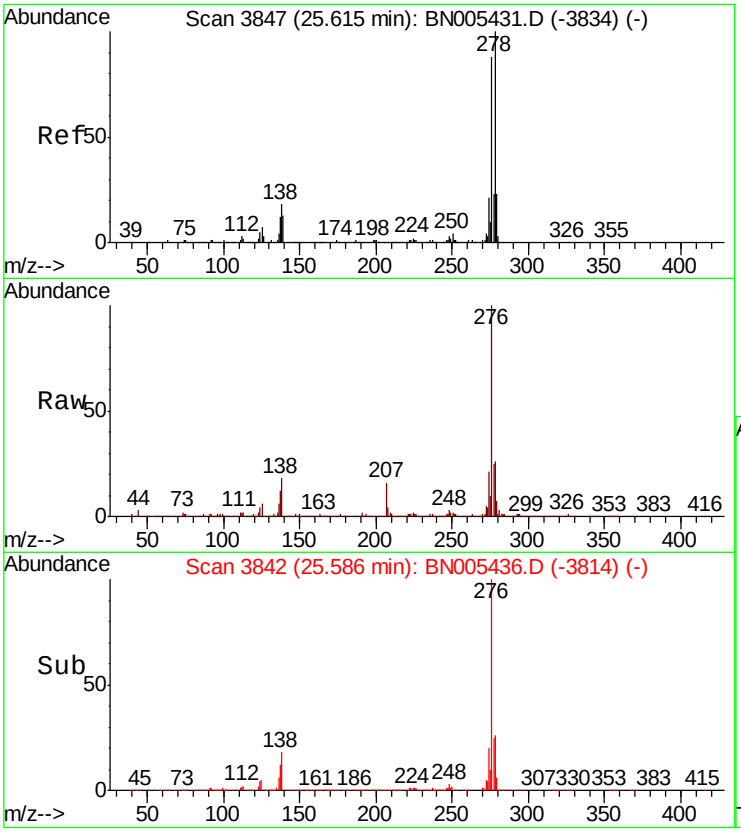


#91
Indeno(1,2,3-cd)pyrene
Concen: 10.164 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.02 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:276 Resp: 1048151

Ion	Ratio	Lower	Upper
276	100		
138	18.0	17.9	26.9
277	25.0	19.7	29.5

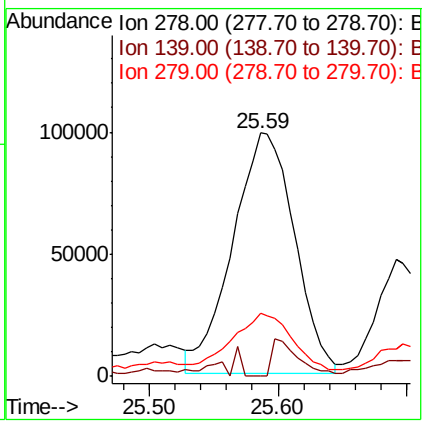




#92
Dibenzo(a,h)anthracene
Concen: 3.772 ng/ul m
RT: 25.59 min Scan# 3842
Delta R.T. -0.04 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:278 Resp: 330099

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	25.7	19.4	29.0



Instrument :
BNA_N
ClientSampleId :
GAJ67

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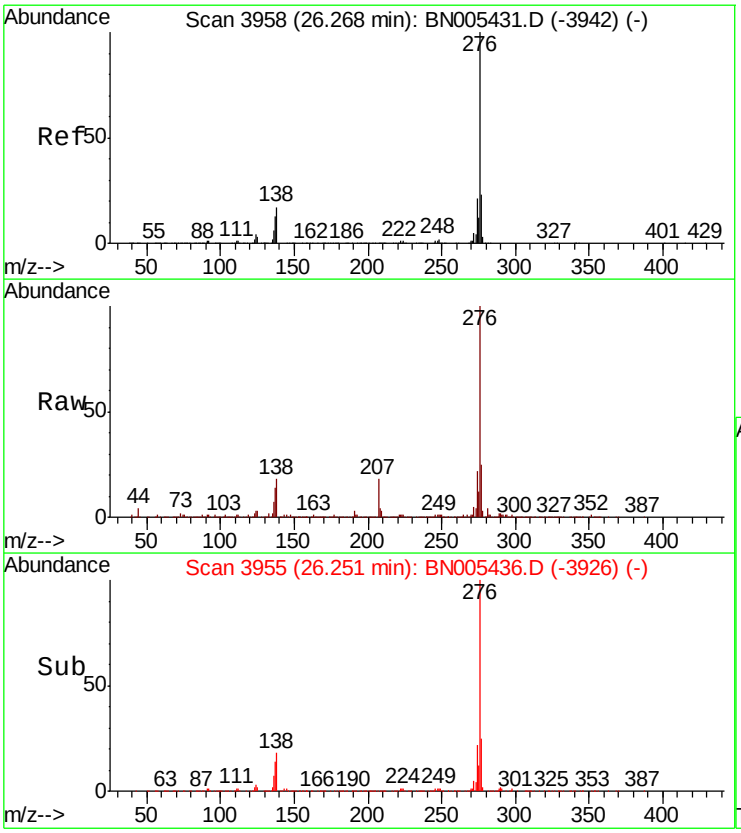

#93
Benzo(g,h,i)perylene
Concen: 11.636 ng/ul
RT: 26.25 min Scan# 3955
Delta R.T. -0.03 min
Lab File: BN005436.D
Acq: 03 May 2019 03:39

Tgt Ion:276 Resp: 992253

Ion	Ratio	Lower	Upper
276	100		
138	17.7	16.7	25.1
277	25.1	18.2	27.2