Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051719\
Data File : BN005737.D
Acq On : 17 May 2019 19:34
Operator : JU/SJ
Sample : K2788-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5199

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5/21/2019 2:18:10 PM

Quant Time: May 18 01:02:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1244	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	5122	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3453	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	7915	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	5799	0.40	ng/ul	0.02
20) Perylene-d12	23.46	264	5222m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1156	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3034	0.12	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.41	128	286	0.021	ng/ul#	25
5) 2-Methylnaphthalene	12.03	142	2182	0.236	ng/ul	98
7) Acenaphthylene	13.95	152	562	0.032	ng/ul#	1
8) Acenaphthene	14.29	153	701	0.057	ng/ul#	90
9) Fluorene	15.29	166	305	0.021	ng/ul#	60
12) Phenanthrene	17.03	178	13262	0.615	ng/ul	98
13) Anthracene	17.12	178	1165	0.054	ng/ul#	62
15) Fluoranthene	19.07	202	12996	0.435	ng/ul	100
17) Pyrene	19.44	202	12760	0.596	ng/ul	98
18) Benzo(a)anthracene	21.22	228	5020	0.251	ng/ul#	48
19) Chrysene	21.27	228	5771	0.235	ng/ul#	60
21) Benzo(b)fluoranthene	22.80	252	7626m	0.486	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	2257m	0.115	ng/ul	
23) Benzo(a)pyrene	23.37	252	5029	0.287	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.68	276	3634	0.185	ng/ul#	96
26) Benzo(g,h,i)perylene	26.37	276	6699	0.400	ng/ul#	38

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

Quantitation Report (QT Reviewed)

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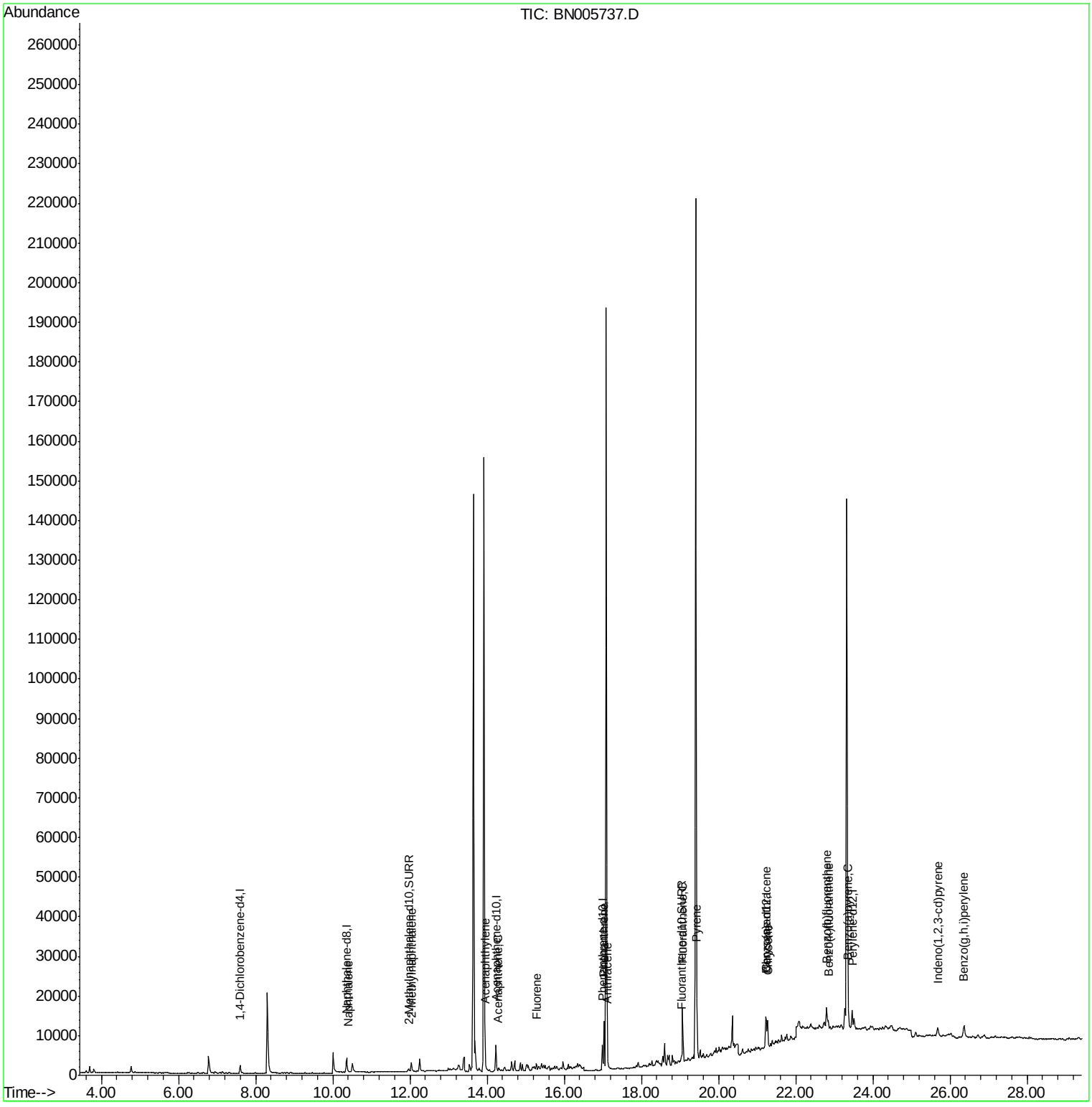
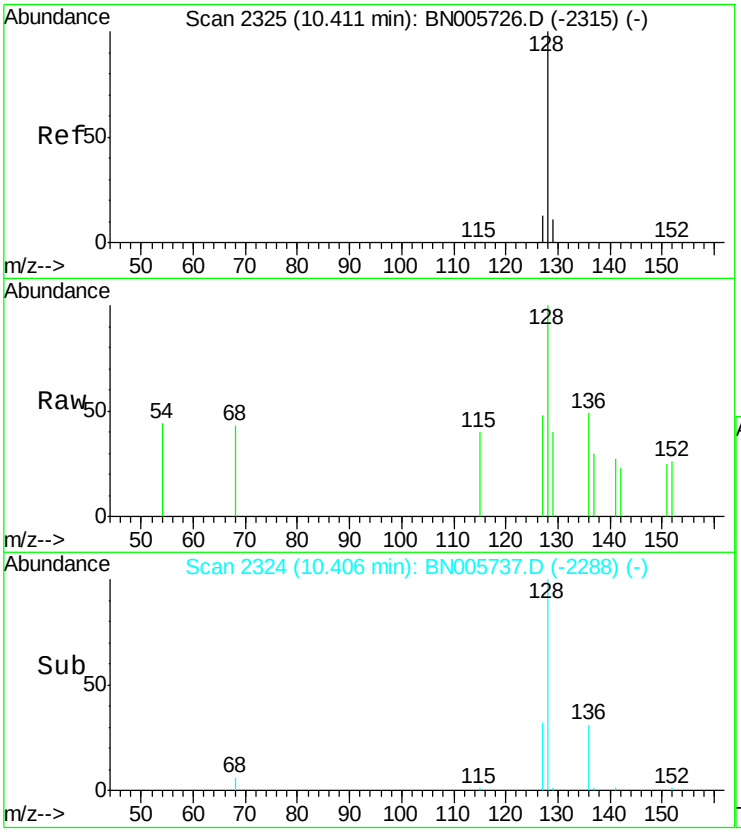
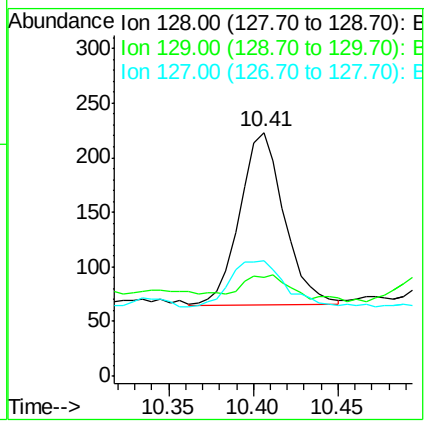




#3
Naphthalene
Concen: 0.021 ng/ul
RT: 10.41 min Scan# 2324
Delta R.T. 0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:128 Resp: 286

Ion	Ratio	Lower	Upper
128	100		
129	40.4	10.2	15.2#
127	47.5	11.8	17.8#



Instrument :
BNA_N
ClientSampleId :
A5199

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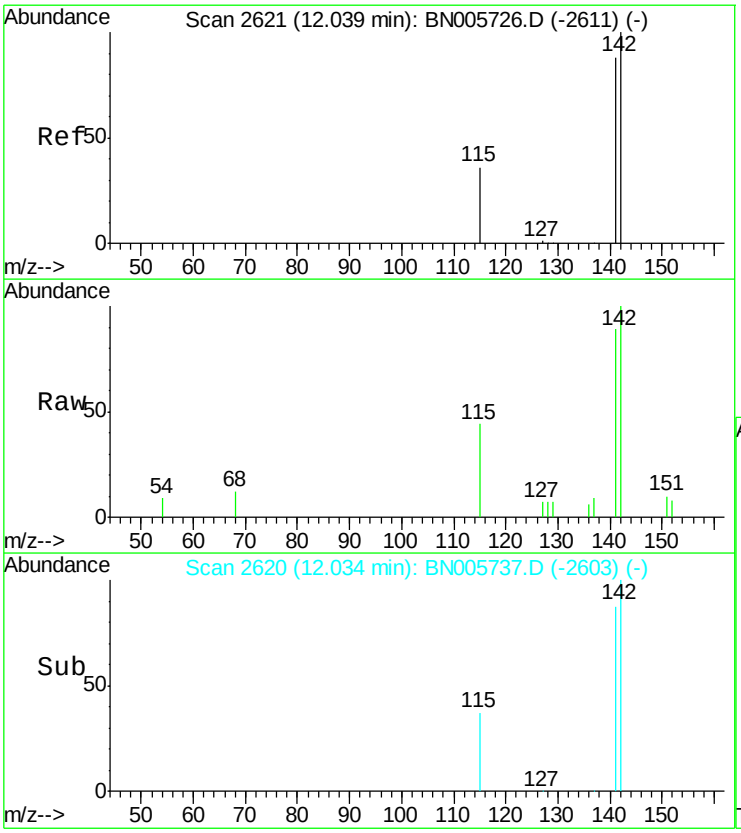
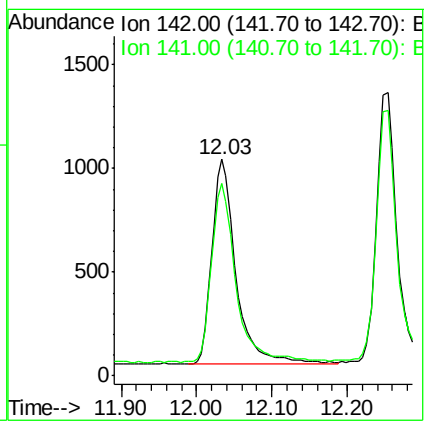
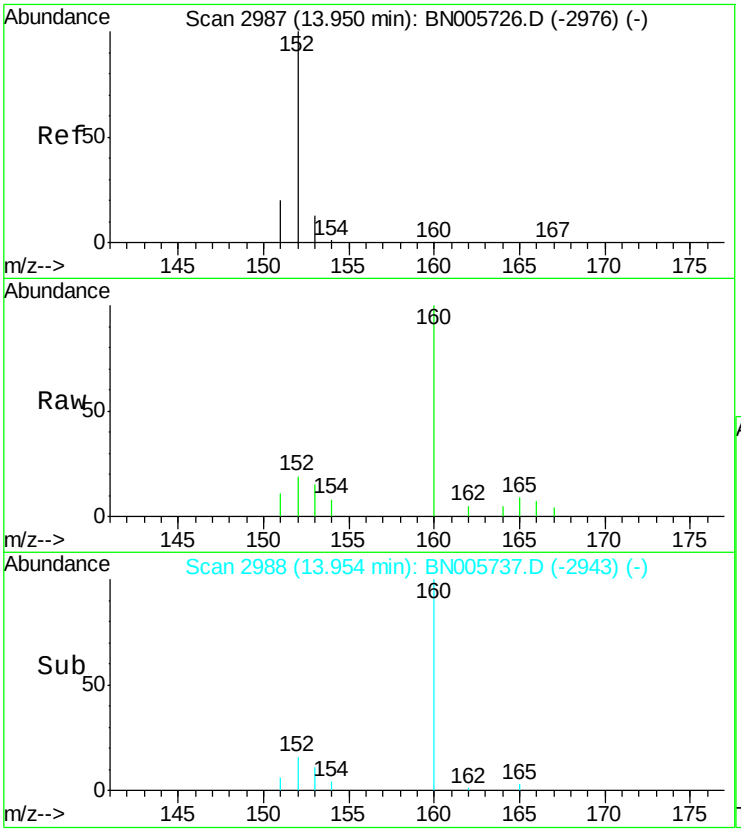


#5
2-Methylnaphthalene
Concen: 0.236 ng/ul
RT: 12.03 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:142 Resp: 2182

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.2	108.2

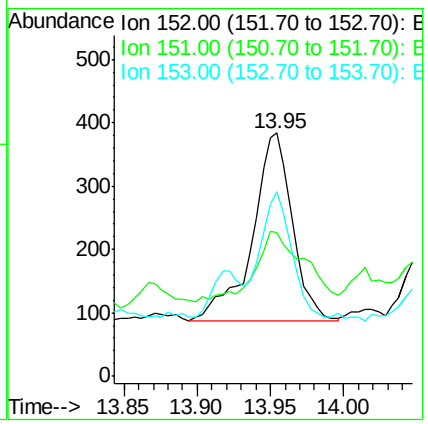




#7
Acenaphthylene
Concen: 0.032 ng/ul
RT: 13.95 min Scan# 2988
Delta R.T. 0.01 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:152 Resp: 562

Ion	Ratio	Lower	Upper
152	100		
151	59.1	16.7	25.1#
153	76.0	11.6	17.4#



Instrument :
BNA_N
ClientSampleId :
A5199

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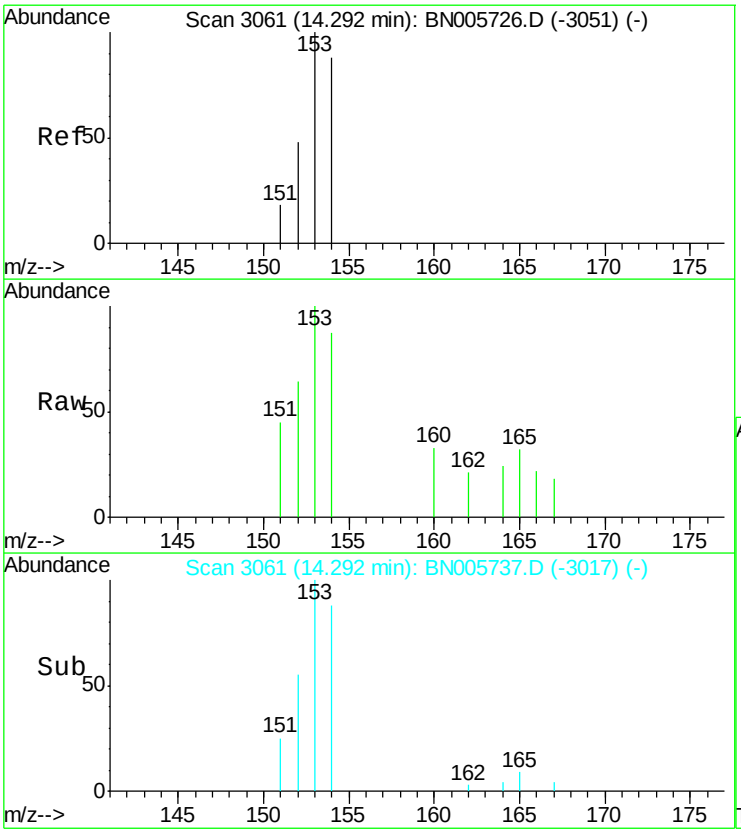
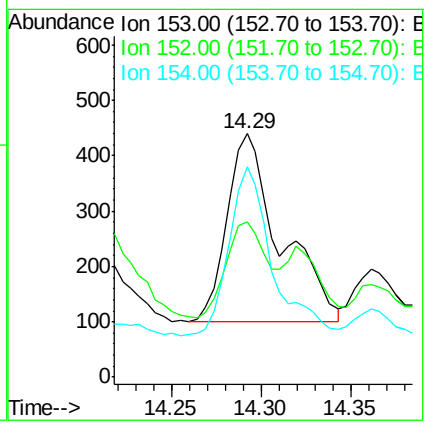
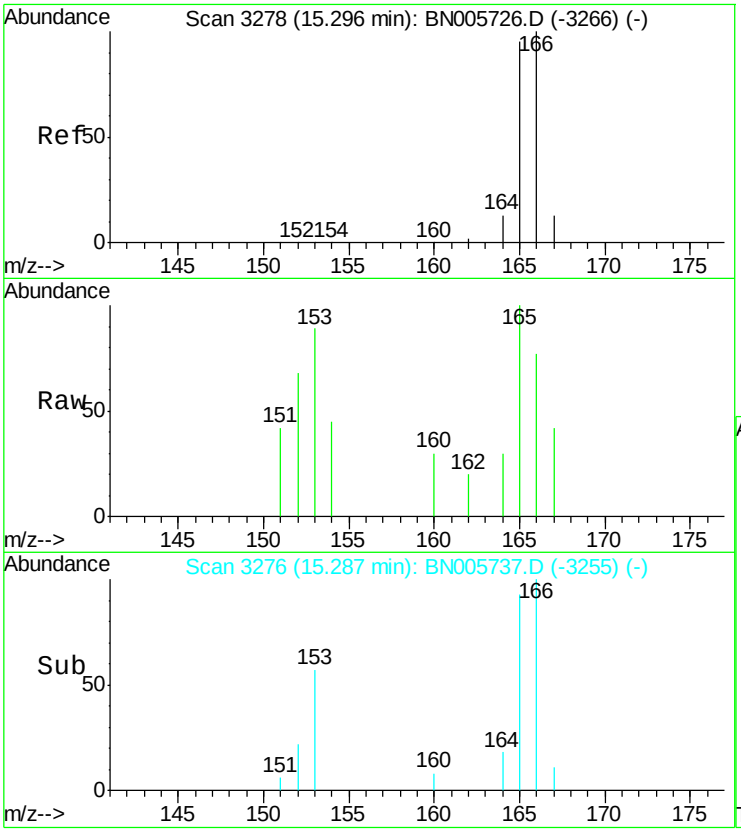


#8
Acenaphthene
Concen: 0.057 ng/ul
RT: 14.29 min Scan# 3061
Delta R.T. 0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:153 Resp: 701

Ion	Ratio	Lower	Upper
153	100		
152	63.9	40.8	61.2#
154	86.6	73.2	109.8

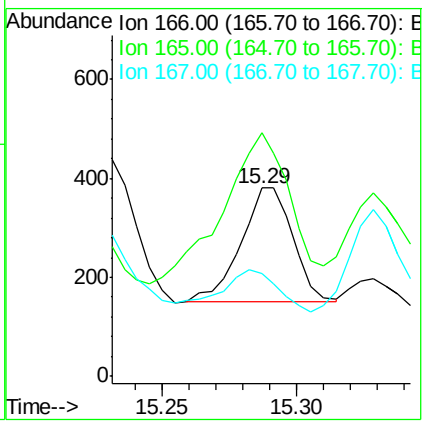




#9
Fluorene
Concen: 0.021 ng/ul
RT: 15.29 min Scan# 3276
Delta R.T. -0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:166 Resp: 305

Ion	Ratio	Lower	Upper
166	100		
165	129.1	78.0	117.0#
167	54.6	12.2	18.4#



Instrument :
BNA_N
ClientSampleId :
A5199

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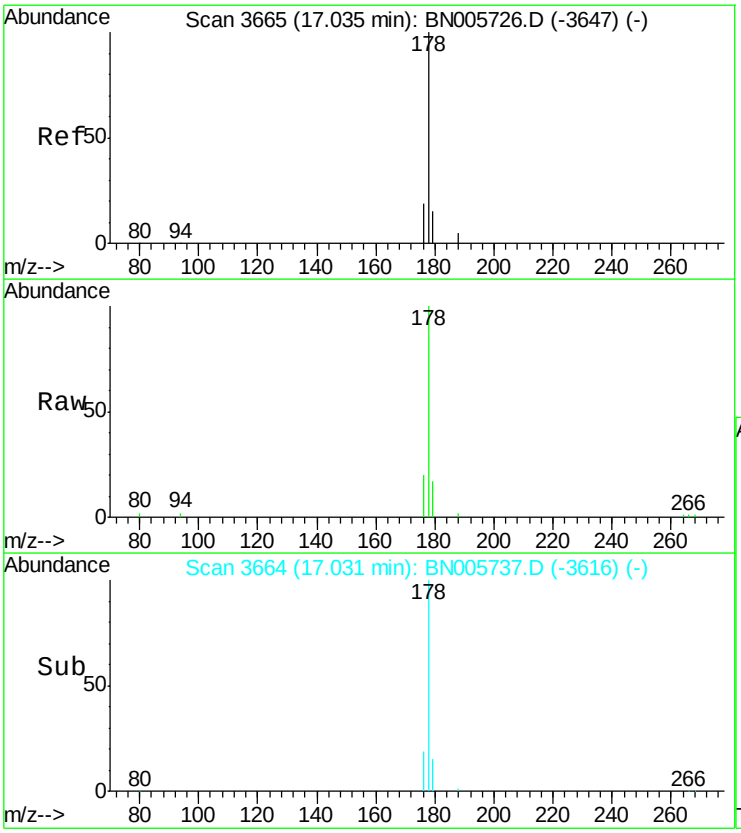
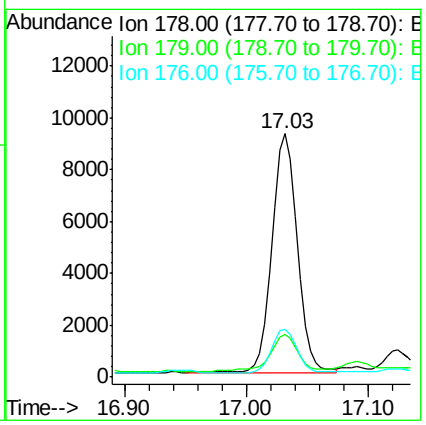
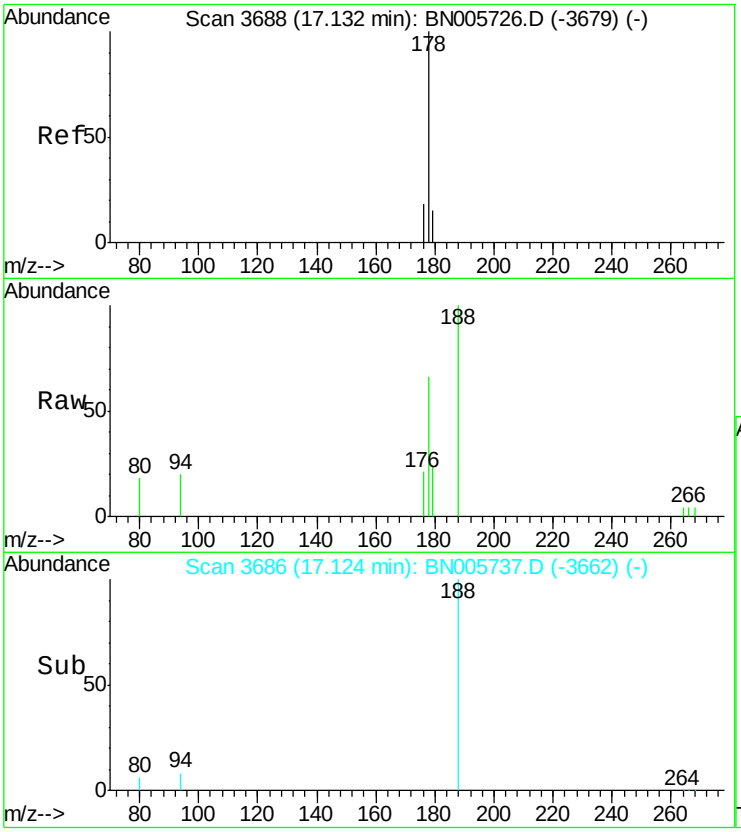


#12
Phenanthrene
Concen: 0.615 ng/ul
RT: 17.03 min Scan# 3664
Delta R.T. 0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:178 Resp: 13262

Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.8	19.2
176	19.7	15.3	22.9





#13
Anthracene
Concen: 0.054 ng/ul
RT: 17.12 min Scan# 3686
Delta R.T. 0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:178 Resp: 1165

Ion	Ratio	Lower	Upper
178	100		
179	37.2	13.4	20.2#
176	32.1	15.1	22.7#

Instrument :
BNA_N
ClientSampleId :
A5199

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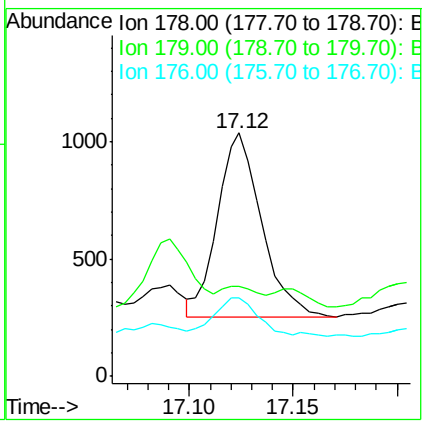
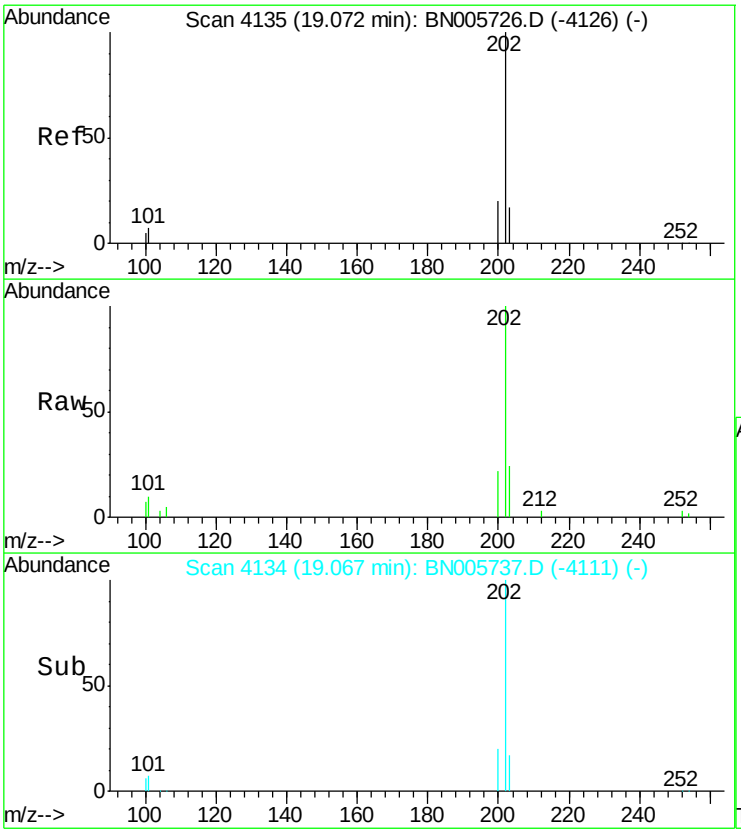
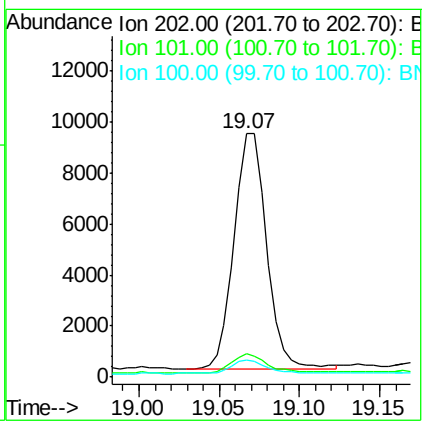


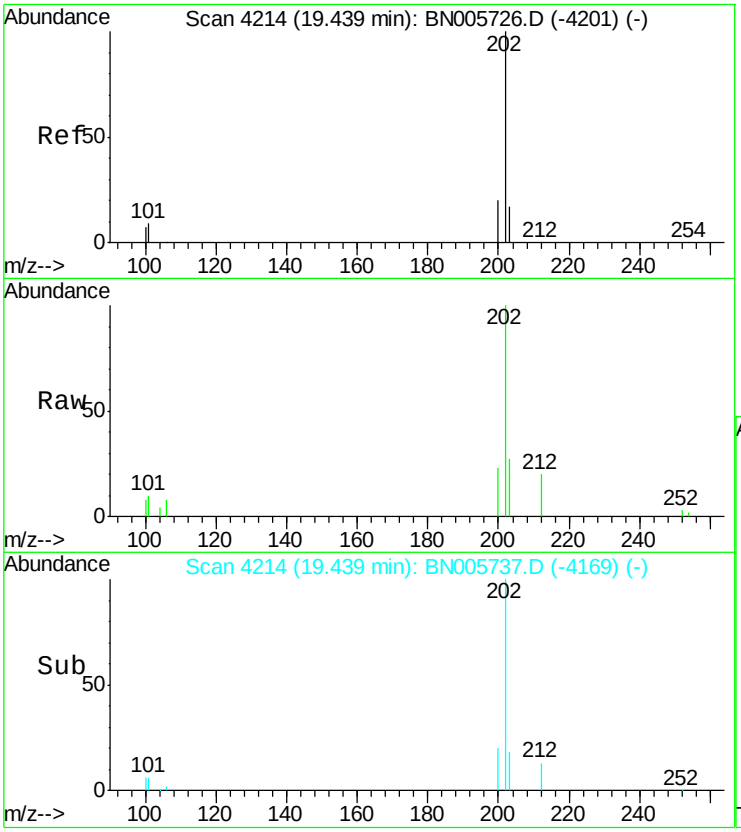


#15
Fluoranthene
Concen: 0.435 ng/ul
RT: 19.07 min Scan# 4134
Delta R.T. 0.00 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:202 Resp: 12996

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.4
100	7.2	0.0	27.1





#17
Pyrene
Concen: 0.596 ng/ul
RT: 19.44 min Scan# 4214
Delta R.T. 0.01 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:202 Resp: 12760

Ion	Ratio	Lower	Upper
202	100		
101	9.8	8.5	12.7
100	7.8	6.9	10.3

Instrument :
BNA_N
ClientSampleId :
A5199

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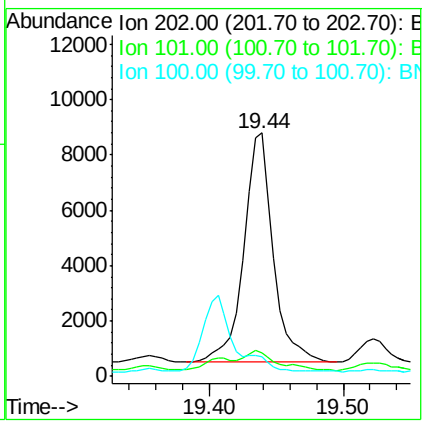
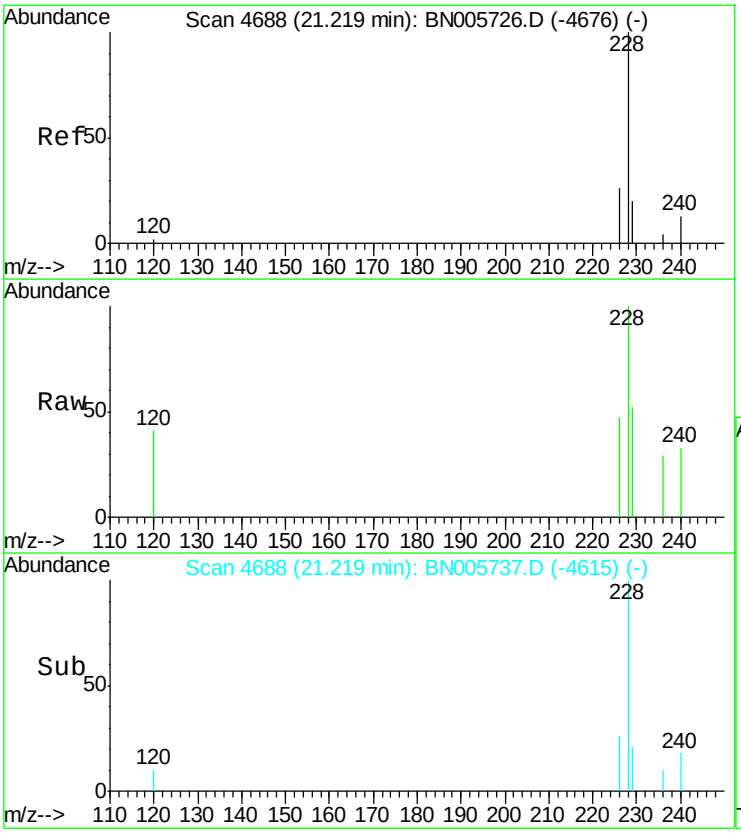
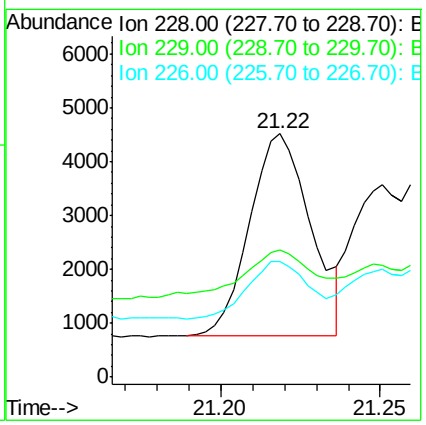


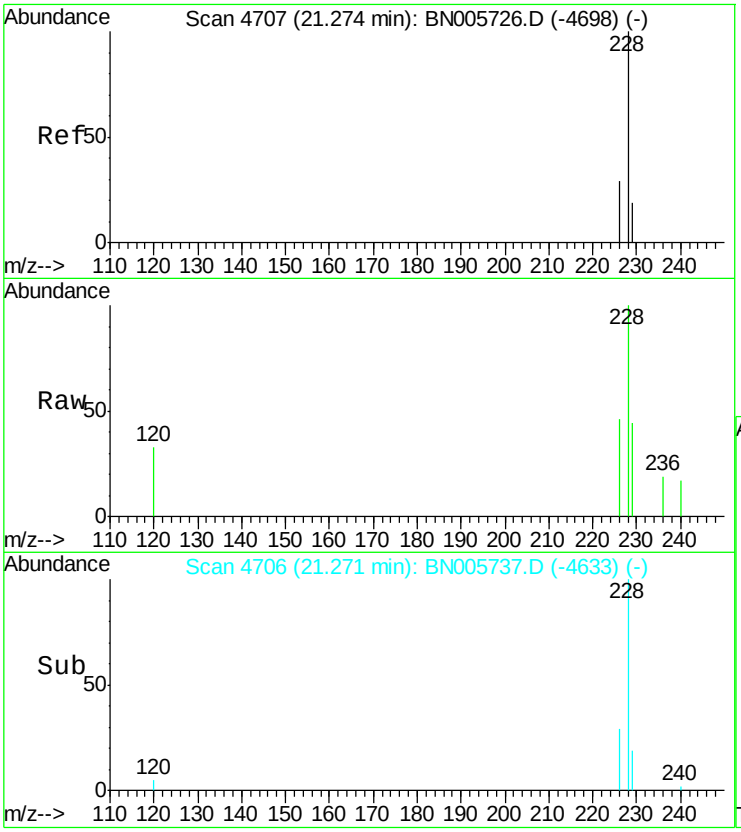


#18
Benzo(a)anthracene
Concen: 0.251 ng/ul
RT: 21.22 min Scan# 4688
Delta R.T. 0.01 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:228 Resp: 5020

Ion	Ratio	Lower	Upper
228	100		
229	52.1	15.8	23.8#
226	47.2	21.7	32.5#





#19
Chrysene
Concen: 0.235 ng/ul
RT: 21.27 min Scan# 4706
Delta R.T. 0.01 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:228 Resp: 5771

Ion	Ratio	Lower	Upper
228	100		
226	45.8	23.2	34.8#
229	44.2	16.0	24.0#

Instrument :
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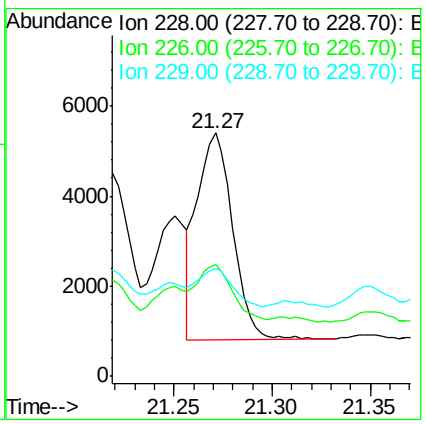
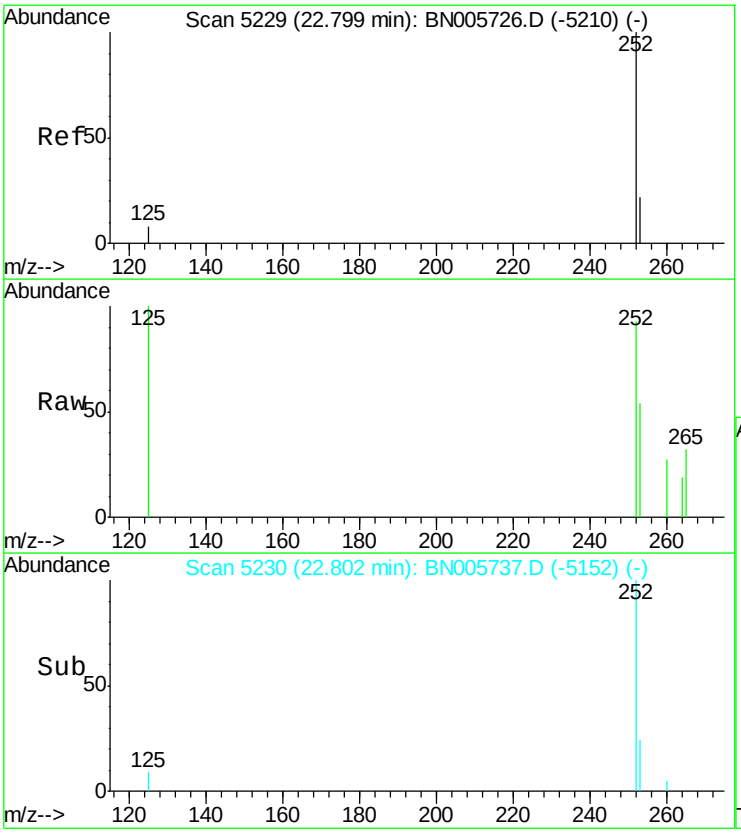
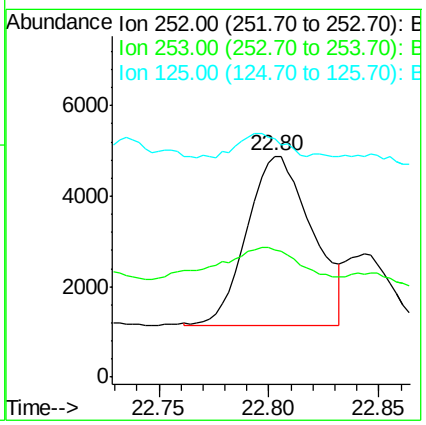


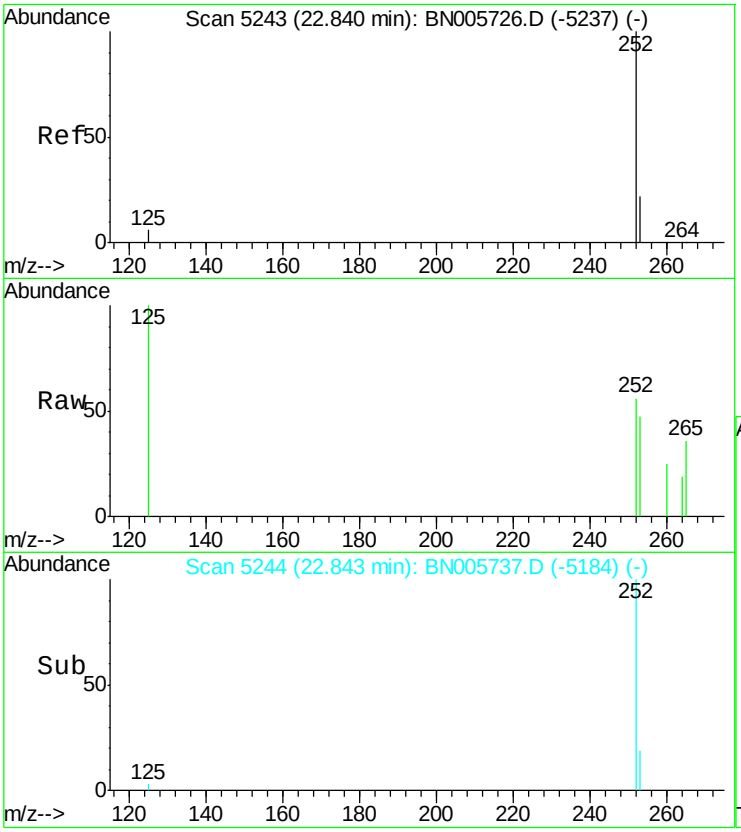


#21
Benzo(b)fluoranthene
Concen: 0.486 ng/ul m
RT: 22.80 min Scan# 5230
Delta R.T. 0.03 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:252 Resp: 7626

Ion	Ratio	Lower	Upper
252	100		
253	57.6	0.0	47.6#
125	107.7	0.0	20.8#

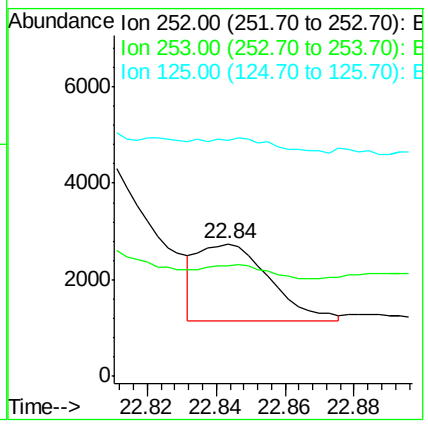




#22
Benzo(k)fluoranthene
Concen: 0.115 ng/ul m
RT: 22.84 min Scan# 5244
Delta R.T. 0.03 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:252 Resp: 2257

Ion	Ratio	Lower	Upper
252	100		
253	83.1	18.8	28.2#
125	178.4	7.6	11.4#



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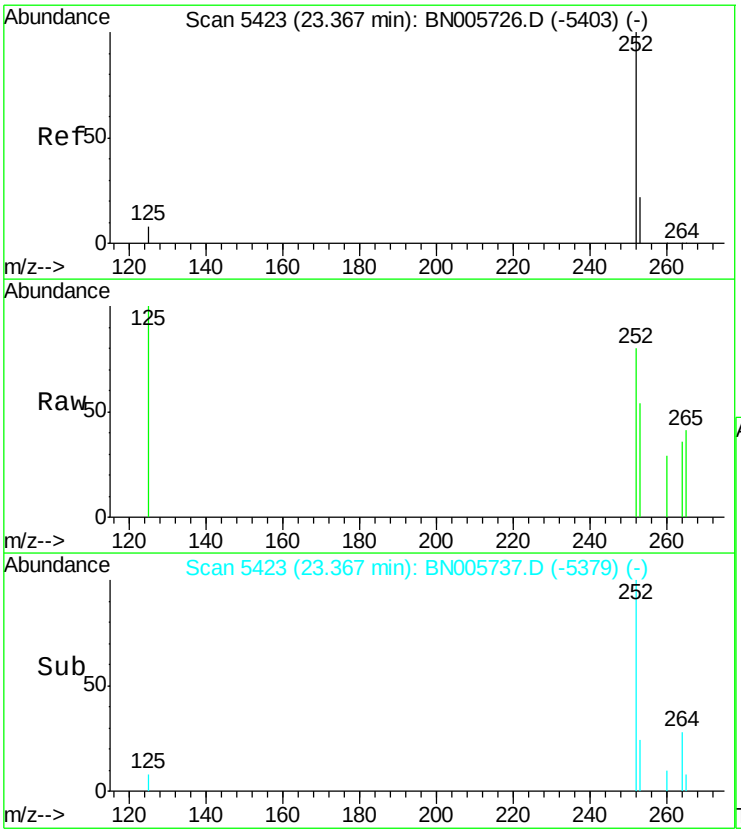
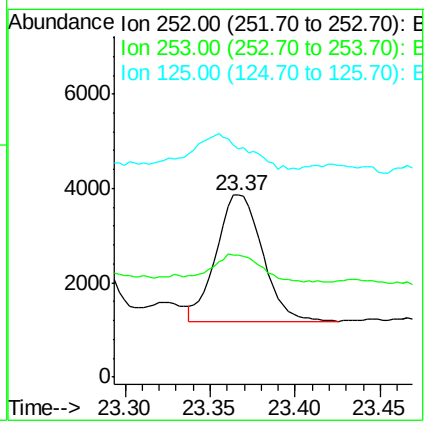
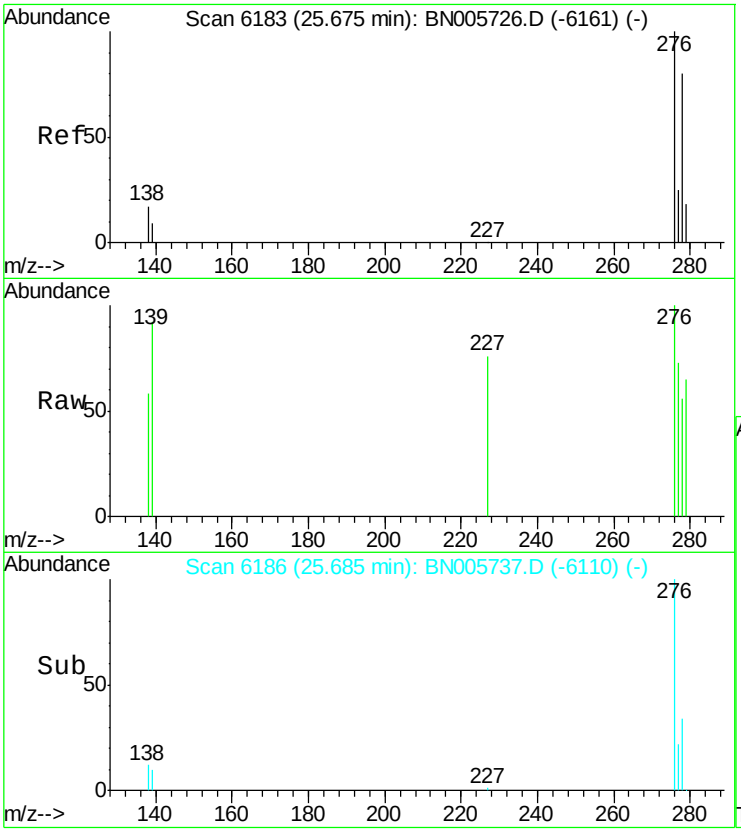


#23
Benzo(a)pyrene
Concen: 0.287 ng/ul
RT: 23.37 min Scan# 5423
Delta R.T. 0.03 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:252 Resp: 5029

Ion	Ratio	Lower	Upper
252	100		
253	67.3	19.6	29.4#
125	125.1	10.1	15.1#

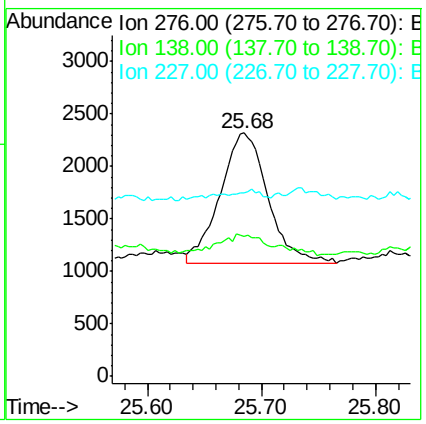




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.185 ng/ul
RT: 25.68 min Scan# 6186
Delta R.T. 0.05 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:276 Resp: 3634

Ion	Ratio	Lower	Upper
276	100		
138	17.8	15.8	23.8
227	2.7	0.1	0.1#



Instrument :
BNA_N
ClientSampleId :
A5199

Manual Integrations APPROVED
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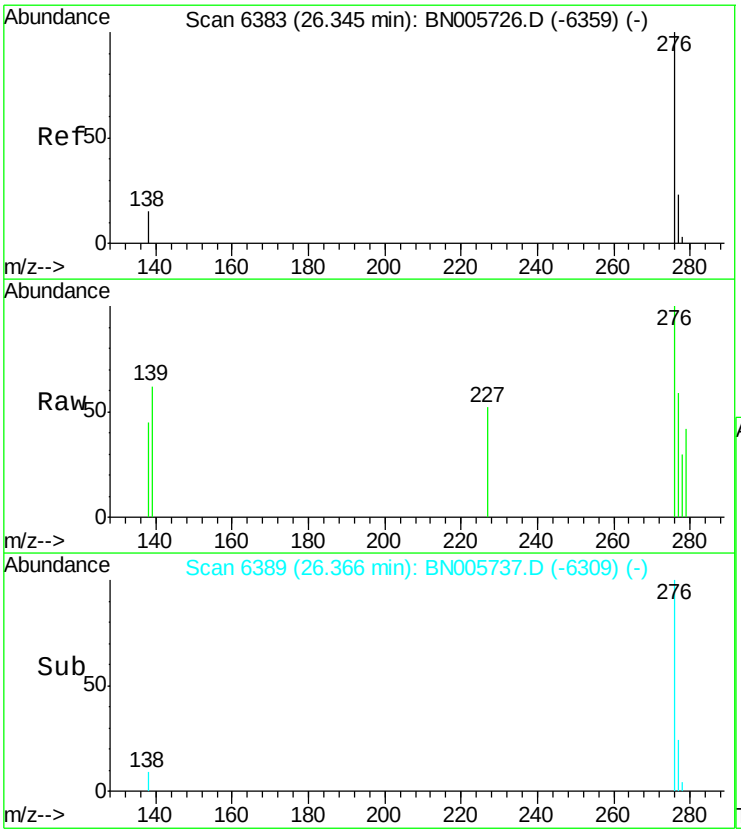

#26
Benzo(g,h,i)perylene
Concen: 0.400 ng/ul
RT: 26.37 min Scan# 6389
Delta R.T. 0.07 min
Lab File: BN005737.D
Acq: 17 May 2019 19:34

Tgt Ion:276 Resp: 6699

Ion	Ratio	Lower	Upper
276	100		
138	45.1	15.6	23.4#
277	59.1	20.6	31.0#