Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007472.D
Acq On : 28 Aug 2019 17:25
Operator : HP/JU
Sample : K4373-12DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AB4DL

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:45 AM

Quant Time: Aug 28 18:02:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4557	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	19705	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	10195	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	23733m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	18957m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	20498	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	2328	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	6240m	0.08	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	35015	0.629	ng/ul	99
5) 2-Methylnaphthalene	11.83	142	4048	0.108	ng/ul	97
7) Acenaphthylene	13.76	152	4038	0.071	ng/ul#	80
8) Acenaphthene	14.11	153	422448	10.364	ng/ul	97
9) Fluorene	15.11	166	32014	0.726	ng/ul	96
12) Phenanthrene	16.84	178	24349m	0.329	ng/ul	
13) Anthracene	16.93	178	38189m	0.547	ng/ul	
15) Fluoranthene	18.87	202	52954m	0.534	ng/ul	
17) Pyrene	19.24	202	38265	0.413	ng/ul	98
18) Benzo(a)anthracene	21.00	228	10930m	0.129	ng/ul	
19) Chrysene	21.05	228	8844m	0.097	ng/ul	
21) Benzo(b)fluoranthene	22.50	252	10219m	0.114	ng/ul	
22) Benzo(k)fluoranthene	22.54	252	3870m	0.041	ng/ul	
23) Benzo(a)pyrene	23.03	252	6198	0.069	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.18	276	3256m	0.033	ng/ul	
26) Benzo(g,h,i)perylene	25.81	276	2988	0.035	ng/ul#	74

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

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Manual Integrations APPROVED
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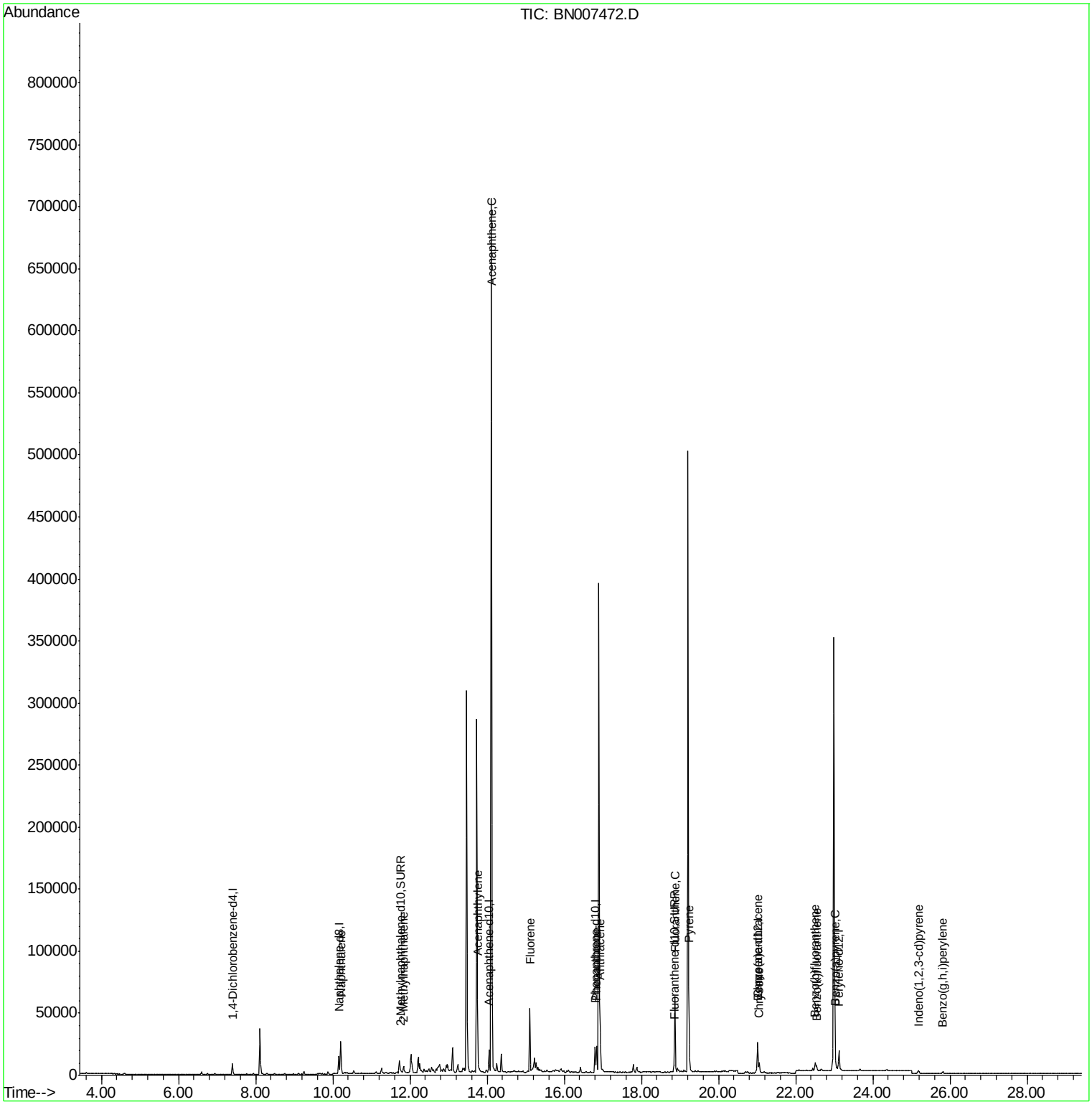
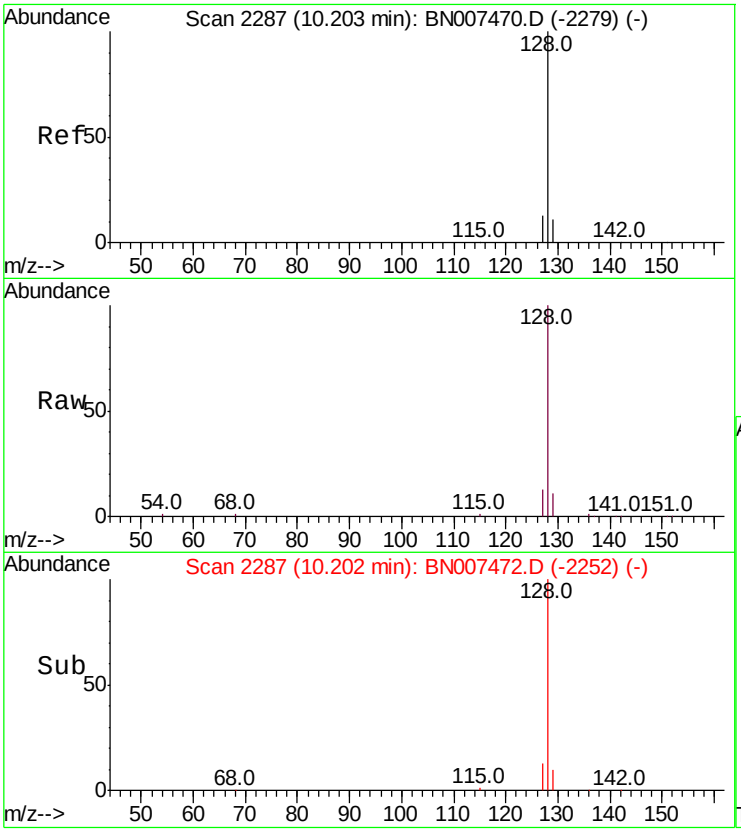
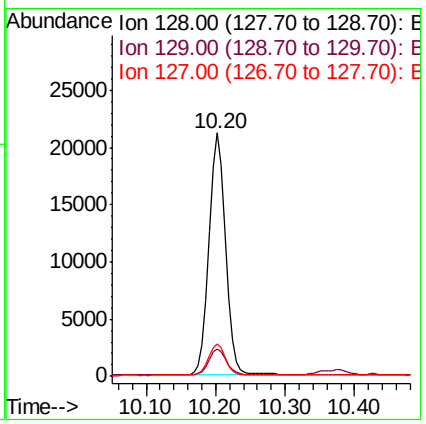




#3
Naphthalene
Concen: 0.629 ng/ul
RT: 10.20 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:128 Resp: 35015

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.4	10.4	15.6



Instrument :
BNA_N
ClientSampleId :
C0AB4DL

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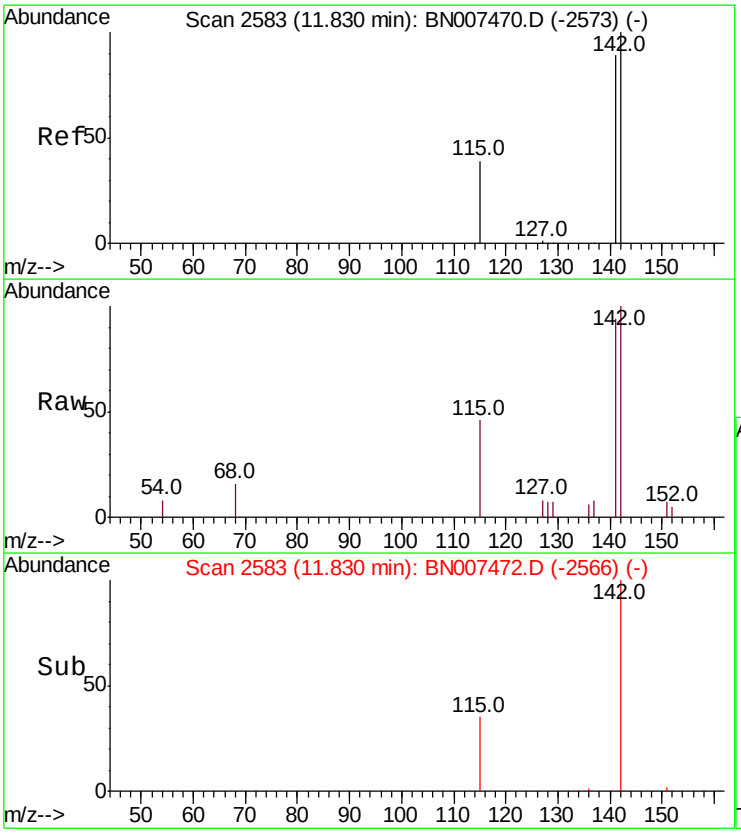
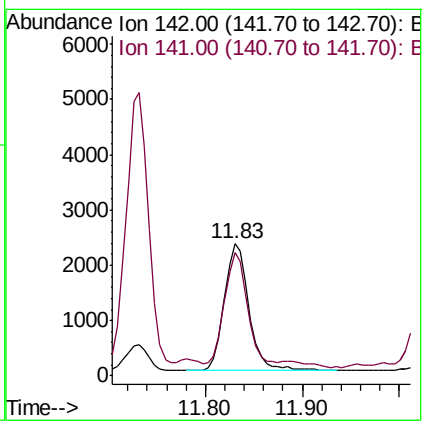
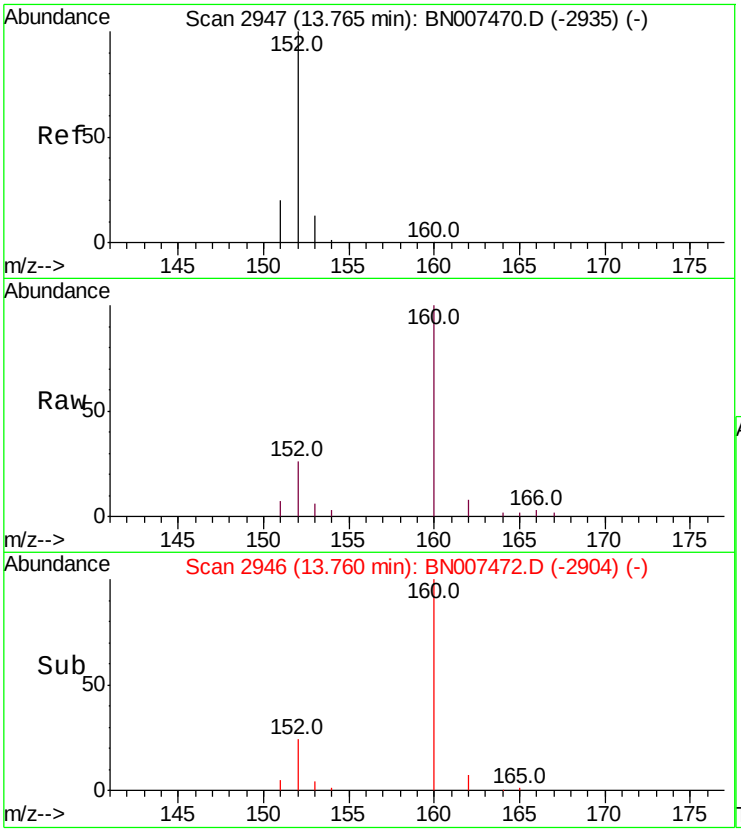


#5
2-Methylnaphthalene
Concen: 0.108 ng/ul
RT: 11.83 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:142 Resp: 4048

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.7	107.5





#7
Acenaphthylene
Concen: 0.071 ng/ul
RT: 13.76 min Scan# 2946
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:152 Resp: 4038

Ion	Ratio	Lower	Upper
152	100		
151	27.1	15.8	23.6#
153	23.6	10.8	16.2#

Instrument :
BNA_N
ClientSampleId :
C0AB4DL

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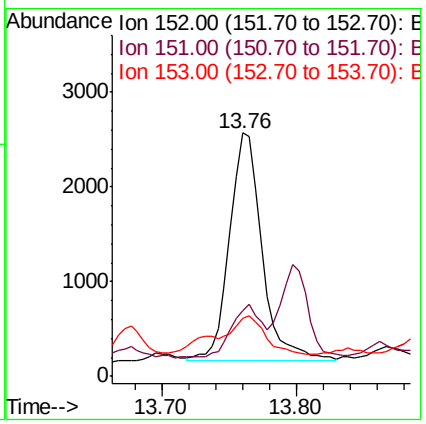
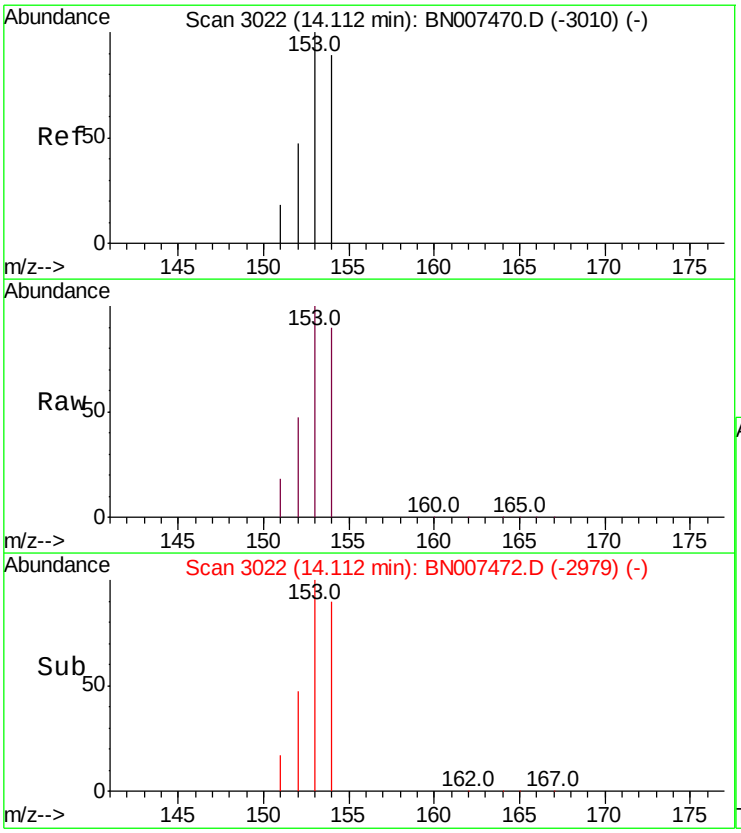
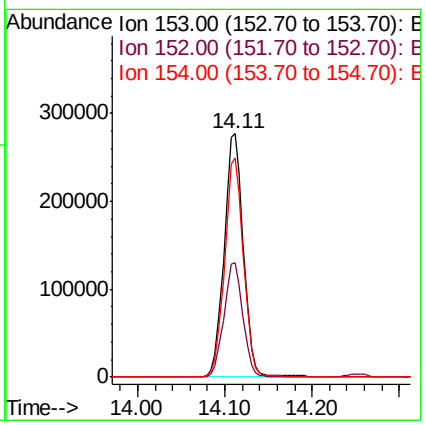


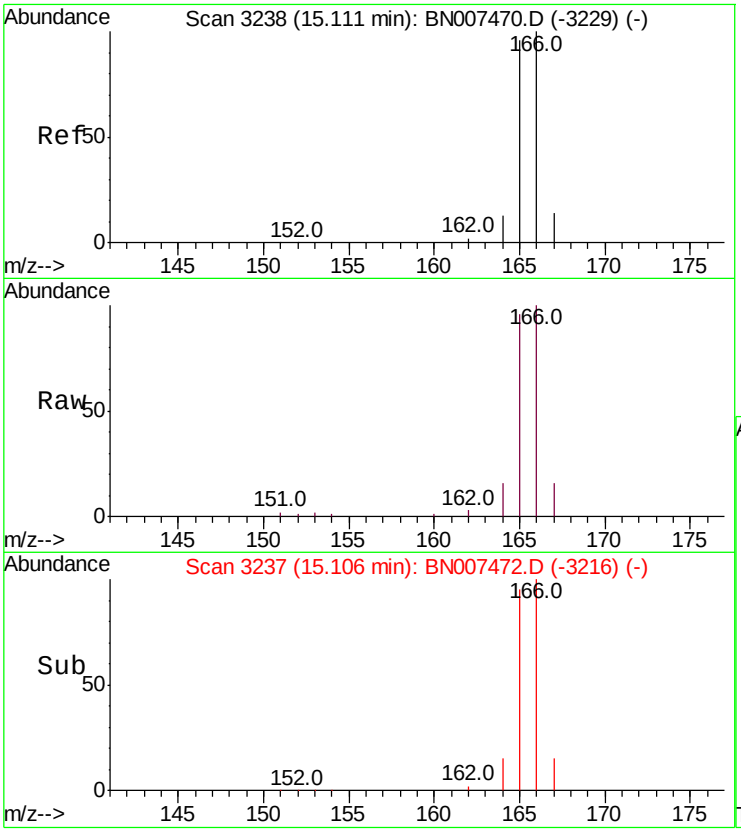


#8
Acenaphthene
Concen: 10.364 ng/ul
RT: 14.11 min Scan# 3022
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:153 Resp: 422448

Ion	Ratio	Lower	Upper
153	100		
152	46.9	39.1	58.7
154	90.0	69.4	104.2

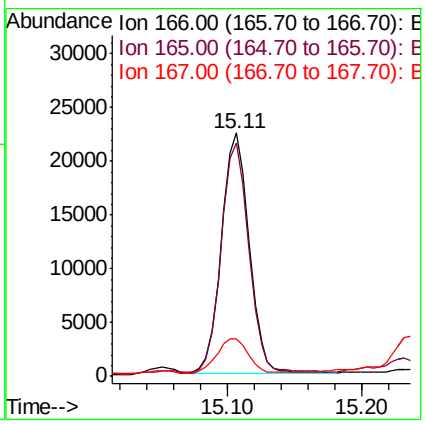




#9
Fluorene
Concen: 0.726 ng/ul
RT: 15.11 min Scan# 3237
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:166 Resp: 32014

Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.6	119.4
167	15.6	11.7	17.5



Instrument :
BNA_N
ClientSampleId :
C0AB4DL

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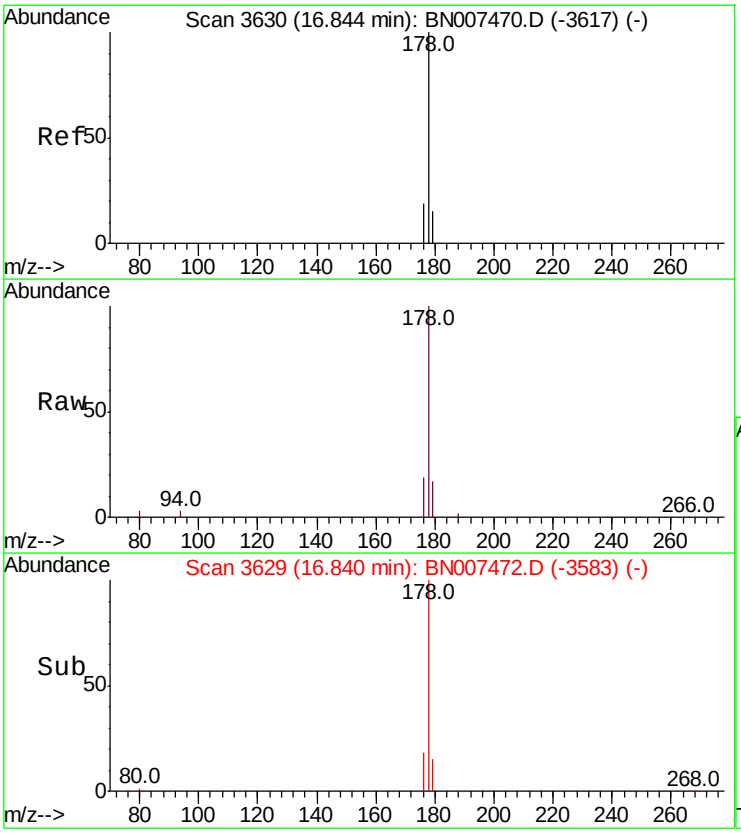
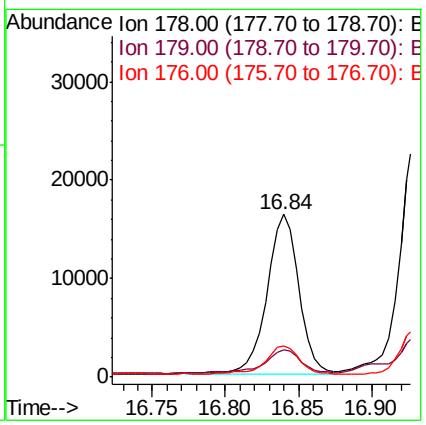
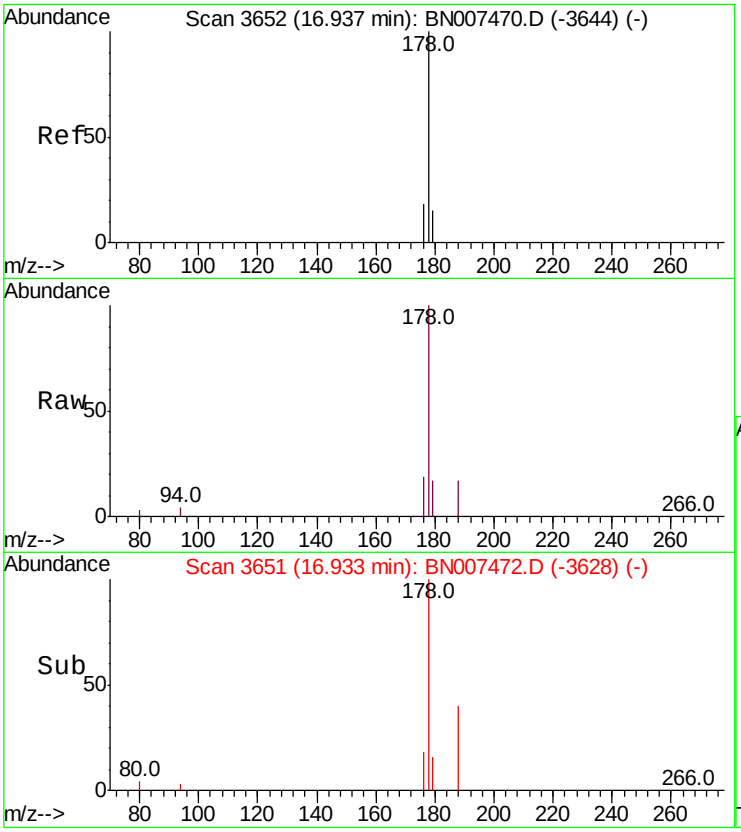


#12
Phenanthrene
Concen: 0.329 ng/ul m
RT: 16.84 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:178 Resp: 24349

Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.8	19.2
176	19.4	15.2	22.8

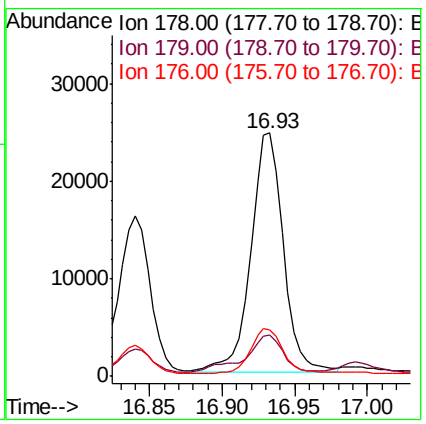




#13
Anthracene
Concen: 0.547 ng/ul m
RT: 16.93 min Scan# 3651
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:178 Resp: 38189

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.8	19.2
176	19.3	14.6	21.8



Instrument :
BNA_N
ClientSampleId :
C0AB4DL

Manual Integrations APPROVED
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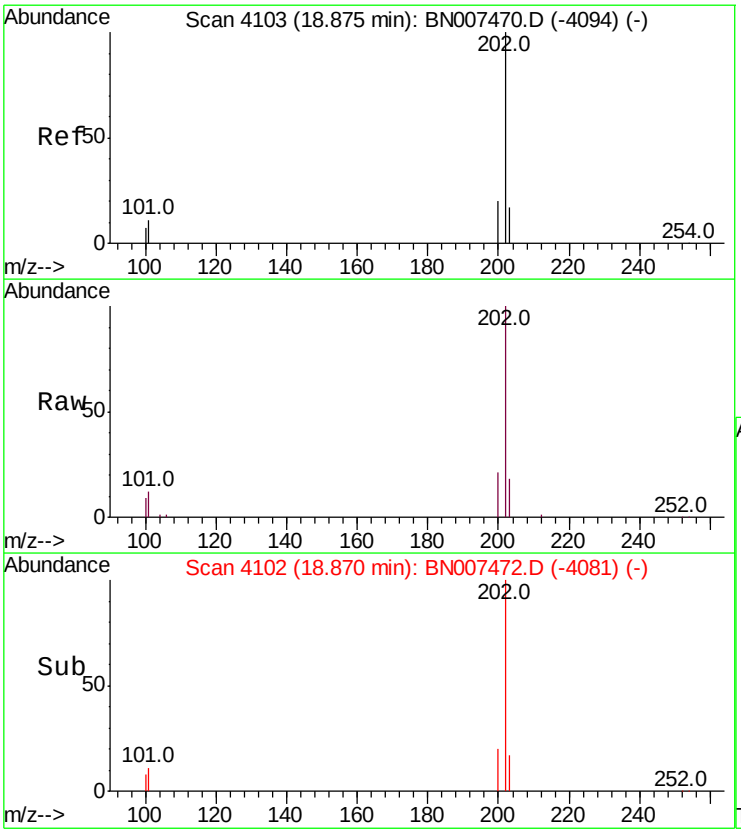
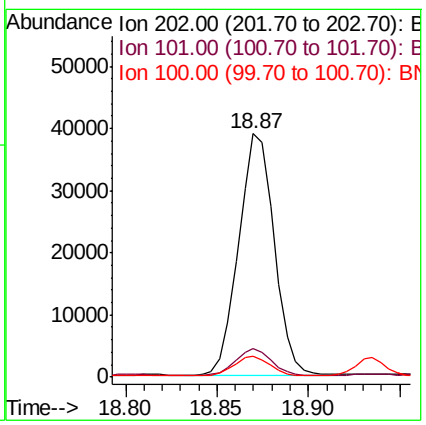
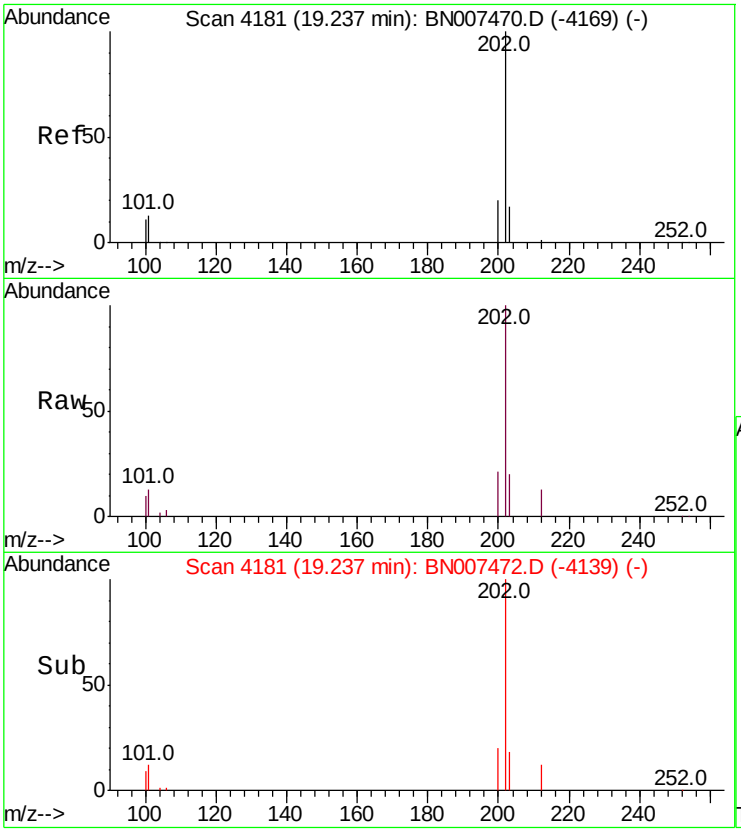


#15
Fluoranthene
Concen: 0.534 ng/ul m
RT: 18.87 min Scan# 4102
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:202 Resp: 52954

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.3
100	8.7	0.0	28.5

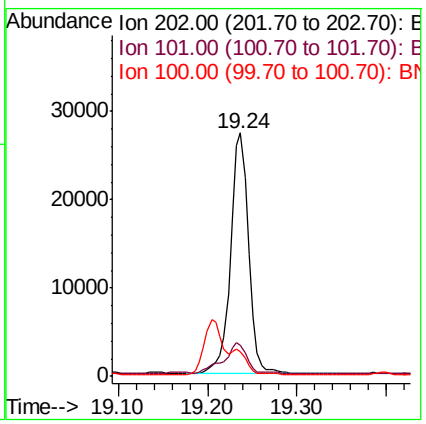




#17
Pyrene
Concen: 0.413 ng/ul
RT: 19.24 min Scan# 4181
Delta R.T. -0.00 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:202 Resp: 38265

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.7	16.1
100	9.9	8.6	12.8



Instrument :
BNA_N
ClientSampleId :
C0AB4DL

Manual Integrations APPROVED
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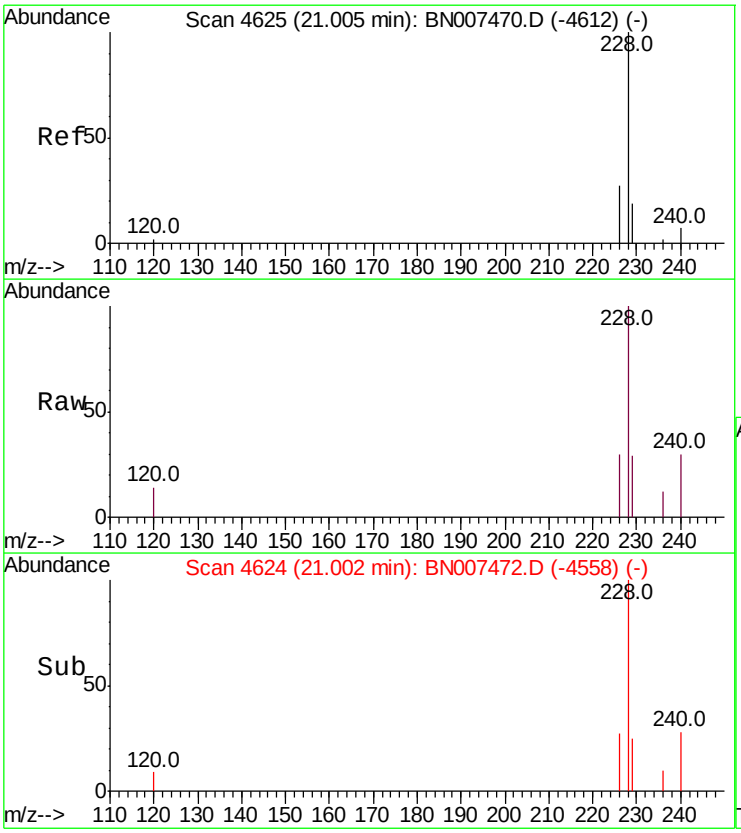
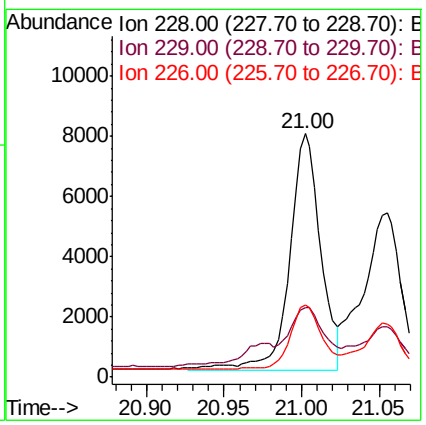
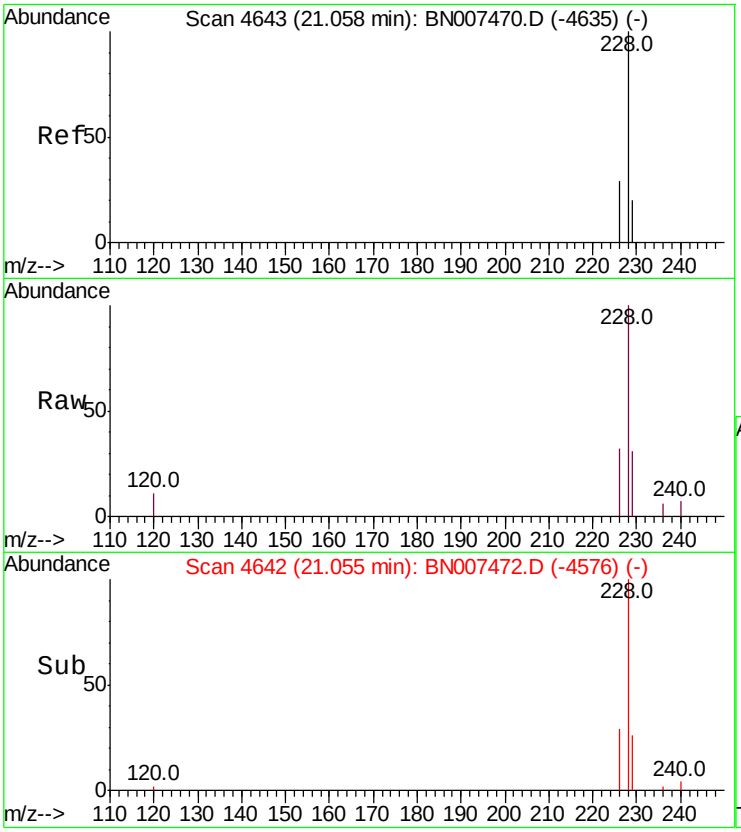


#18
Benzo(a)anthracene
Concen: 0.129 ng/ul m
RT: 21.00 min Scan# 4624
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:228 Resp: 10930

Ion	Ratio	Lower	Upper
228	100		
229	28.6	15.4	23.2#
226	29.7	22.0	33.0





#19
Chrysene
Concen: 0.097 ng/ul m
RT: 21.05 min Scan# 4642
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:228 Resp: 8844

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.1	36.1
229	30.8	16.1	24.1#

Instrument :
BNA_N
ClientSampleId :
C0AB4DL

Manual Integrations APPROVED
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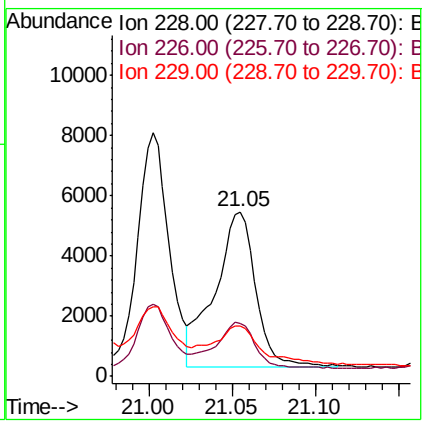
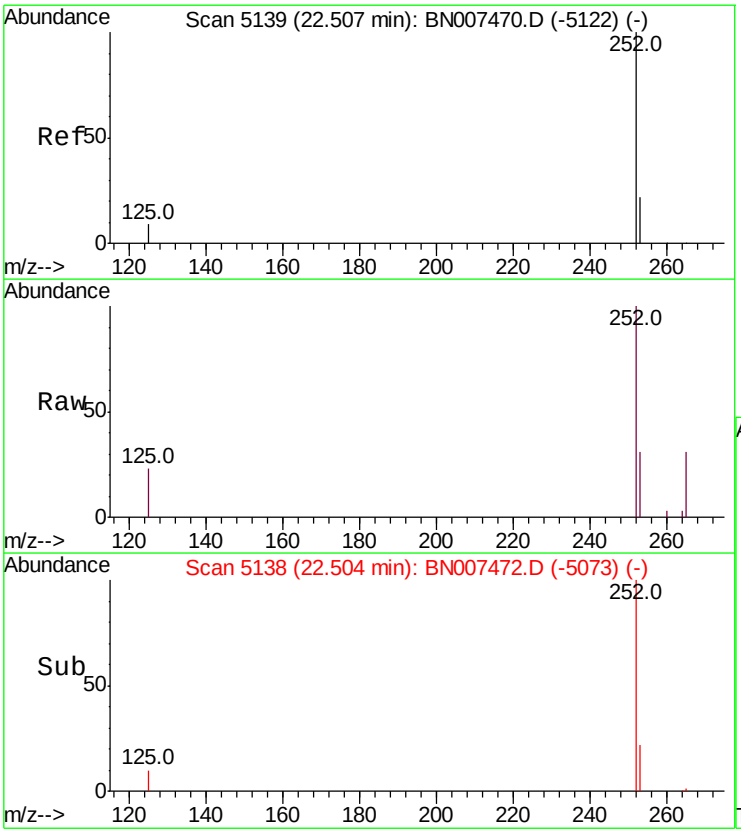
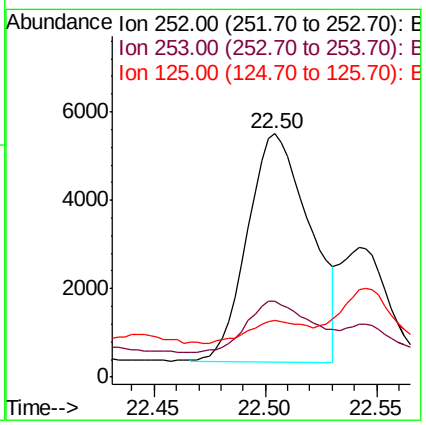


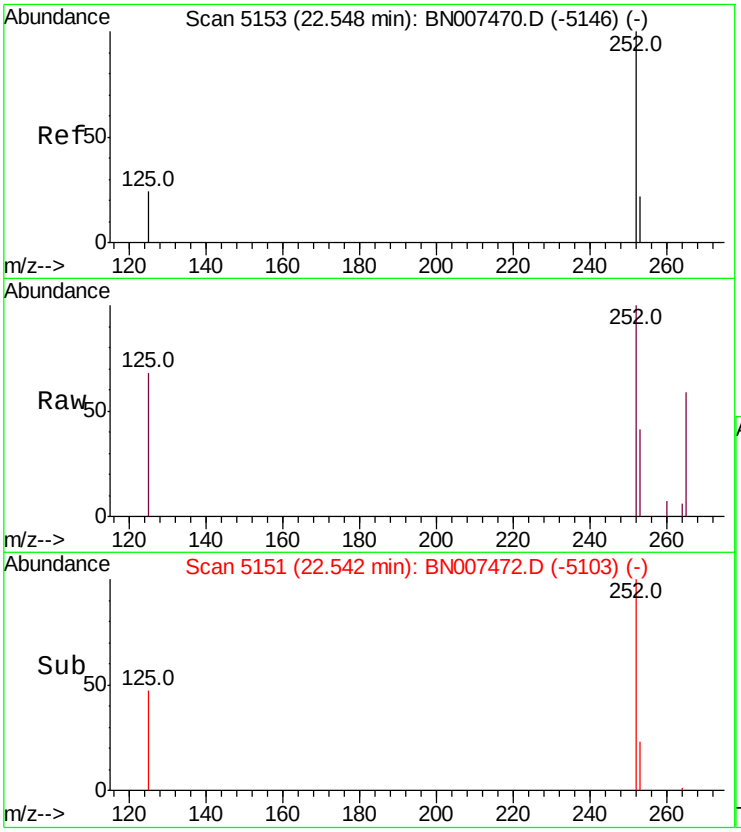


#21
Benzo(b)fluoranthene
Concen: 0.114 ng/ul m
RT: 22.50 min Scan# 5138
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:252 Resp: 10219

Ion	Ratio	Lower	Upper
252	100		
253	31.2	0.0	47.0
125	23.2	0.0	24.8





#22
Benzo(k)fluoranthene
Concen: 0.041 ng/ul m
RT: 22.54 min Scan# 5151
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:252 Resp: 3870

Ion	Ratio	Lower	Upper
252	100		
253	40.7	18.7	28.1#
125	67.6	12.4	18.6#

Instrument :
BNA_N
ClientSampleId :
C0AB4DL

Manual Integrations APPROVED
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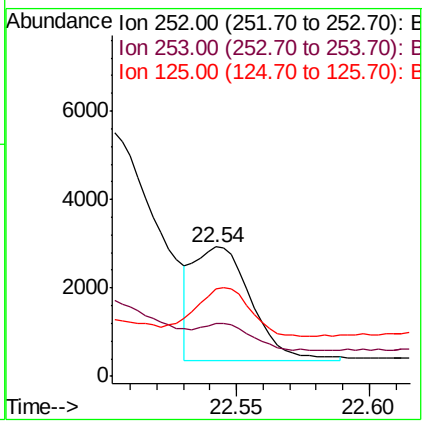
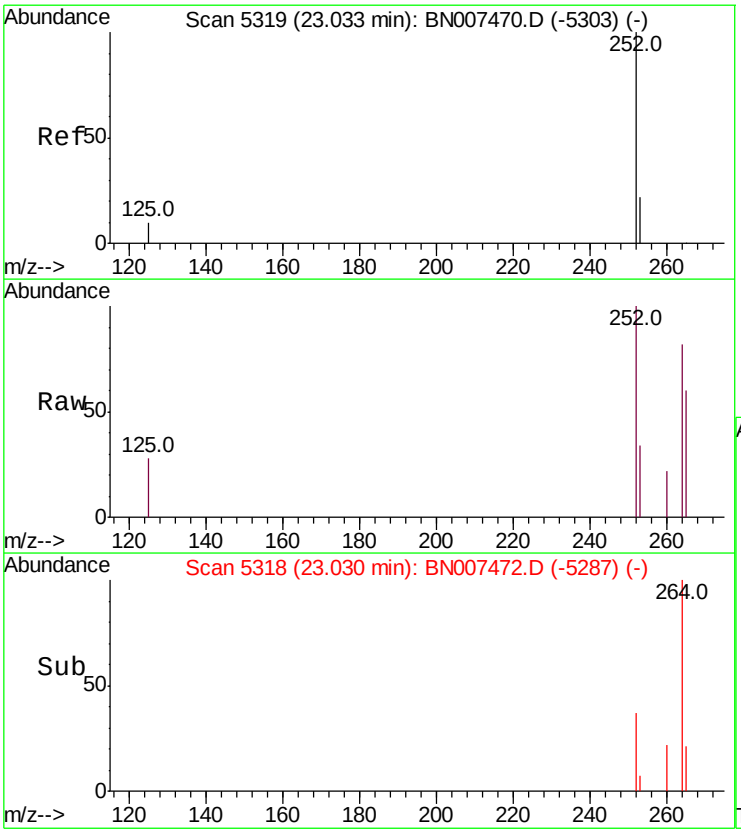
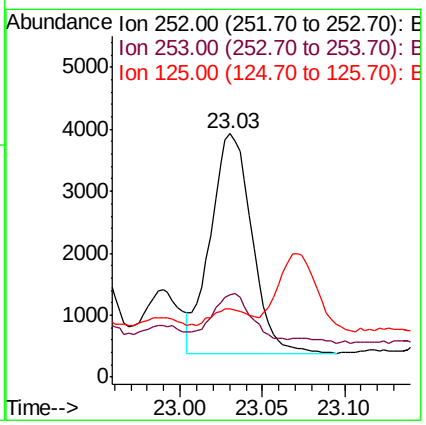


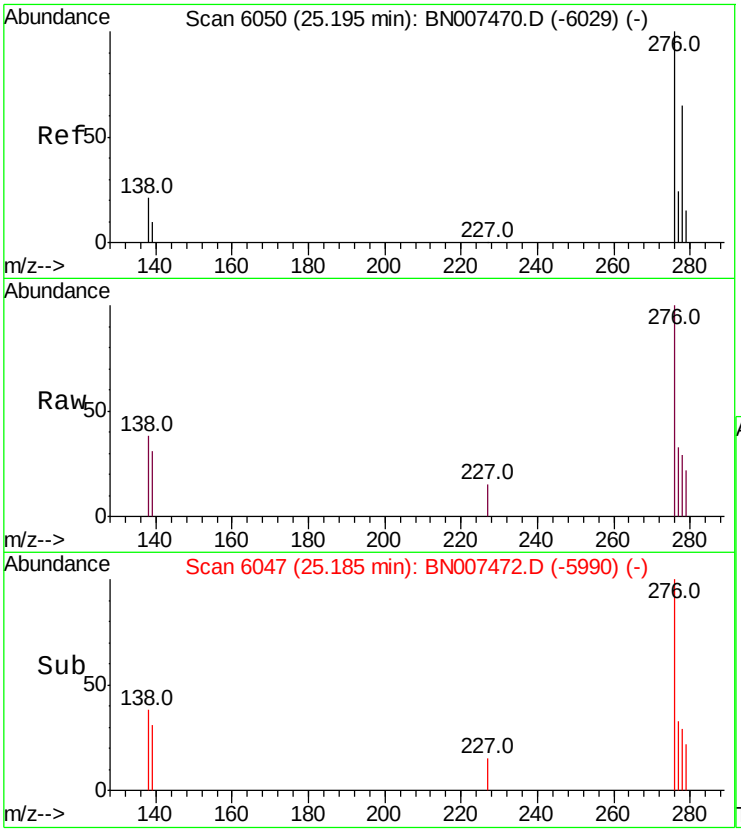


#23
Benzo(a)pyrene
Concen: 0.069 ng/ul
RT: 23.03 min Scan# 5318
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:252 Resp: 6198

Ion	Ratio	Lower	Upper
252	100		
253	34.0	19.0	28.6#
125	27.9	11.2	16.8#





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.033 ng/ul m
RT: 25.18 min Scan# 6047
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:276 Resp: 3256

Ion	Ratio	Lower	Upper
276	100		
138	188.3	19.7	29.5#
227	0.0	0.1	0.1#

Instrument :
BNA_N
ClientSampleId :
C0AB4DL

Manual Integrations APPROVED
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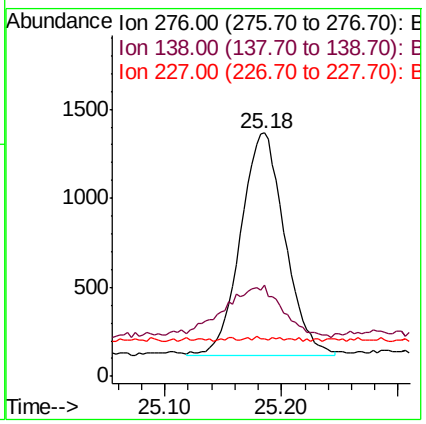

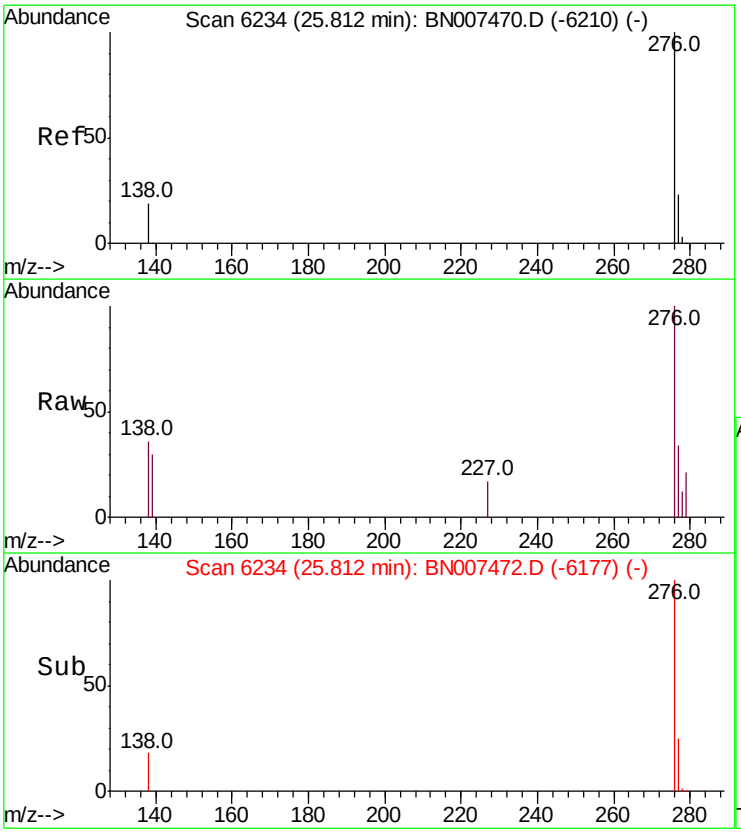

#26
Benzo(g,h,i)perylene
Concen: 0.035 ng/ul
RT: 25.81 min Scan# 6234
Delta R.T. -0.01 min
Lab File: BN007472.D
Acq: 28 Aug 2019 17:25

Tgt Ion:276 Resp: 2988

Ion	Ratio	Lower	Upper
276	100		
138	36.2	17.1	25.7#
277	34.3	19.4	29.0#