Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082123\
Data File : BN027004.D
Acq On : 21 Aug 2023 22:45
Operator : MA/JU
Sample : 03967-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 22 01:40:35 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN080323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 18 13:11:26 2023
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A48M6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.101	152	9365	0.400	ng/ul	0.00
4) Naphthalene-d8	10.927	136	30639	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.726	164	17585	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.472	188	40290	0.400	ng/ul	0.00
17) Chrysene-d12	21.641	240	32982	0.400	ng/ul	# 0.00
23) Perylene-d12	24.182	264	31481	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.439	96	39124	3.519	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.500	152	9251	0.205	ng/ul	0.00
18) Fluoranthene-d10	19.487	212	23321	0.224	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.977	128	9878	0.114	ng/ul	96
7) 2-Methylnaphthalene	12.572	142	4573	0.087	ng/ul	100
8) 1-Methylnaphthalene	12.791	142	3543	0.065	ng/ul	100
10) Acenaphthylene	14.458	152	28186	0.286	ng/ul	100
11) Acenaphthene	14.791	153	5535	0.081	ng/ul	98
12) Fluorene	15.771	166	9979	0.129	ng/ul	99
15) Phenanthrene	17.515	178	276495	2.089	ng/ul	100
16) Anthracene	17.607	178	41845	0.350	ng/ul	99
19) Fluoranthene	19.520	202	578044	4.219	ng/ul	100
20) Pyrene	19.882	202	627928m	4.296	ng/ul	
21) Benzo(a)anthracene	21.624	228	264790	2.019	ng/ul	99
22) Chrysene	21.679	228	348166	2.689	ng/ul	98
24) Benzo(b)fluoranthene	23.395	252	476195m	3.999	ng/ul	
25) Benzo(k)fluoranthene	23.445	252	138564m	1.180	ng/ul	
26) Benzo(a)pyrene	24.070	252	271183	2.524	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.864	276	190741	1.357	ng/ul#	90
28) Dibenzo(a,h)anthracene	26.881	278	43115	0.385	ng/ul#	89
29) Benzo(g,h,i)perylene	27.706	276	206136	1.761	ng/ul	99

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

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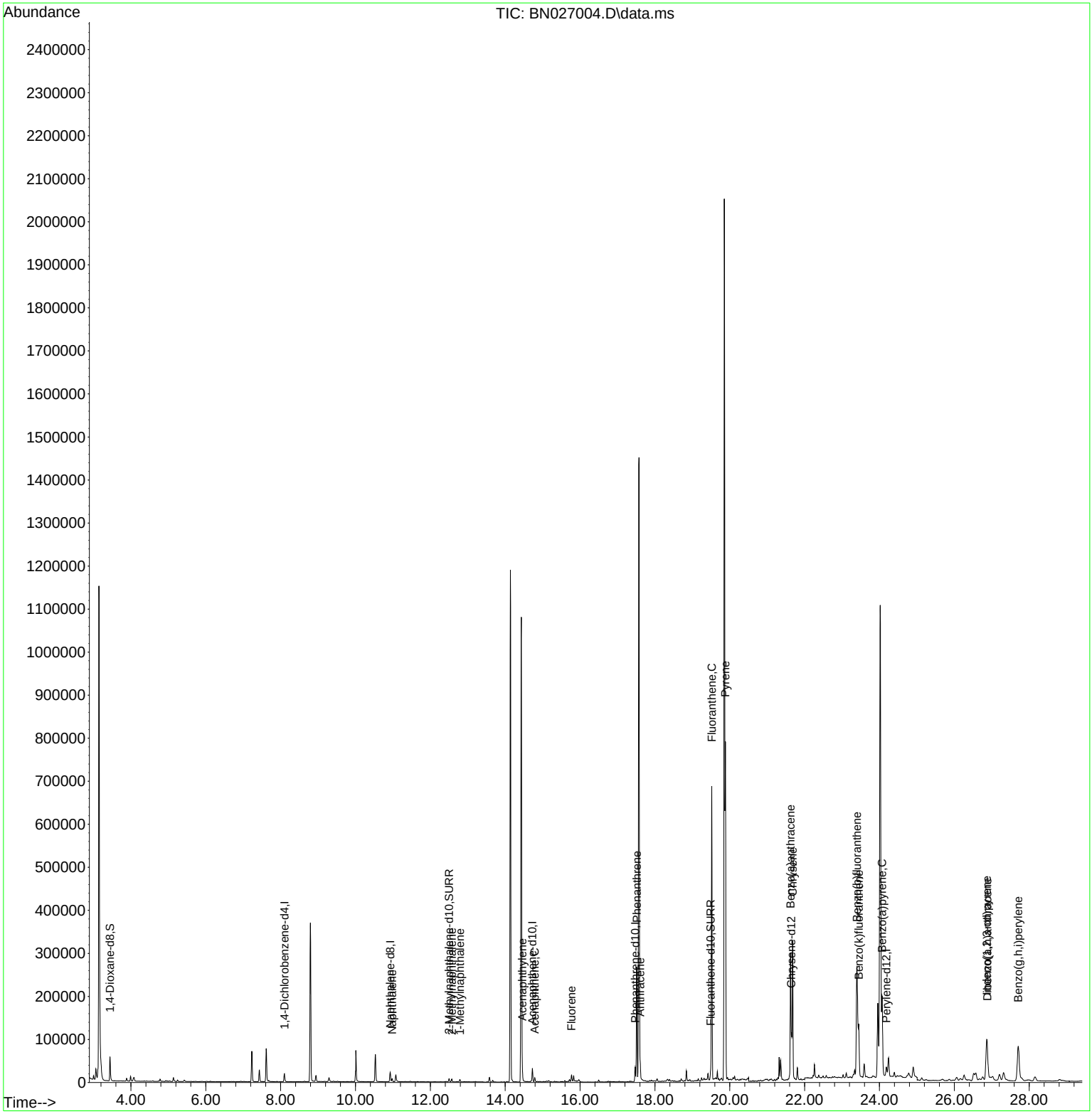

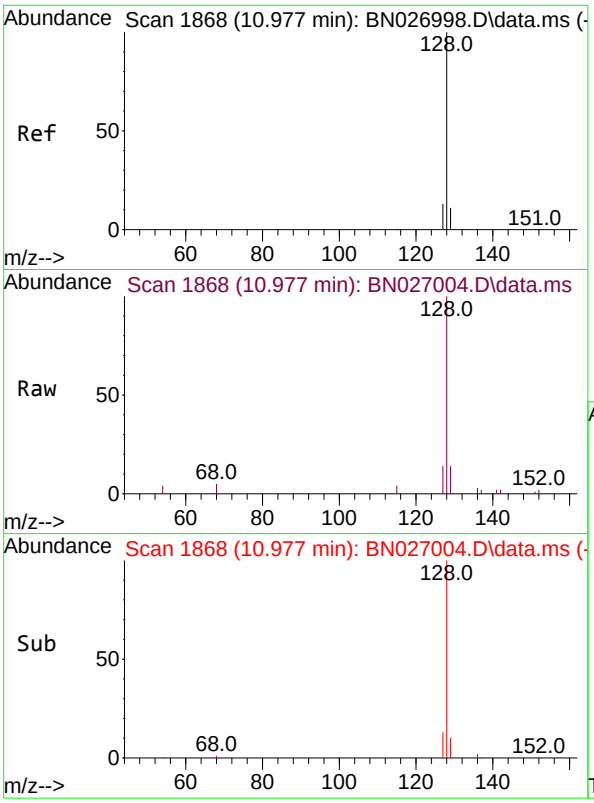

#5
Naphthalene
Concen: 0.114 ng/ul
RT: 10.977 min Scan# 18
Delta R.T. -0.006 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:128 Resp: 987

Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.2	13.8
127	14.1	10.5	15.7

Instrument :
BNA_N
ClientSampleId :
A48M6

Manual Integrations
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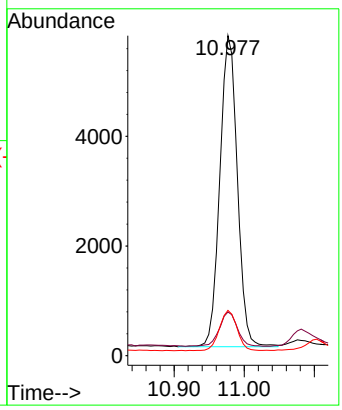
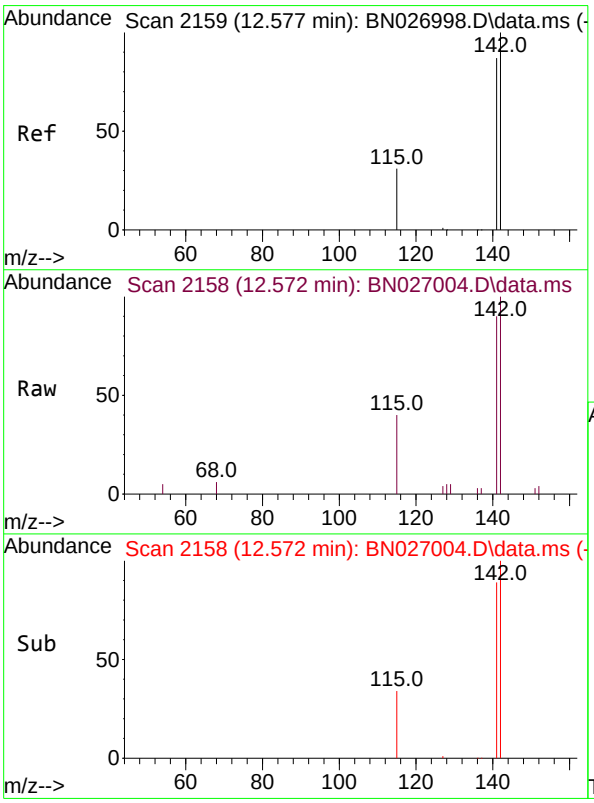
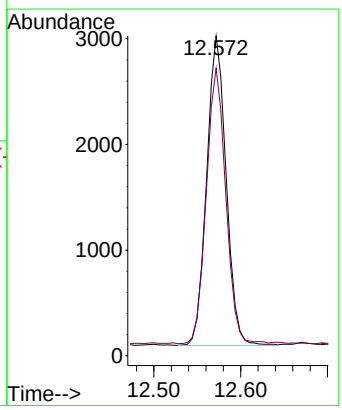


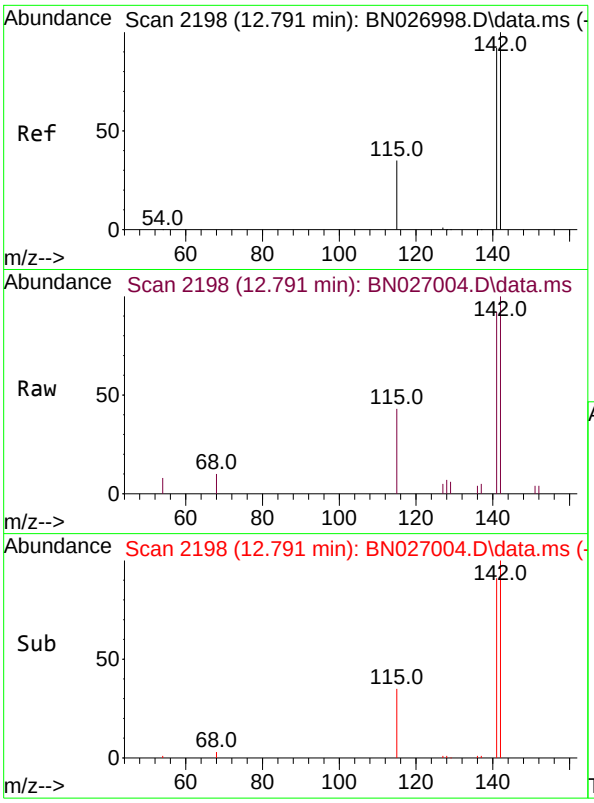


#7
2-Methylnaphthalene
Concen: 0.087 ng/ul
RT: 12.572 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:142 Resp: 4573

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.9	106.3





#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.791 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:142 Resp: 354

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.2	109.8

Instrument :
BNA_N
ClientSampleId :
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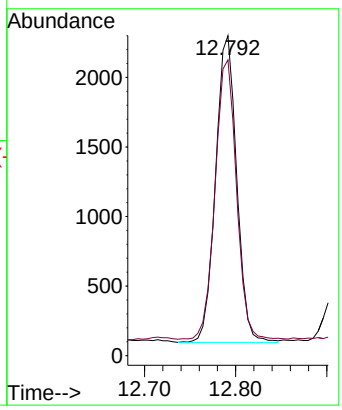
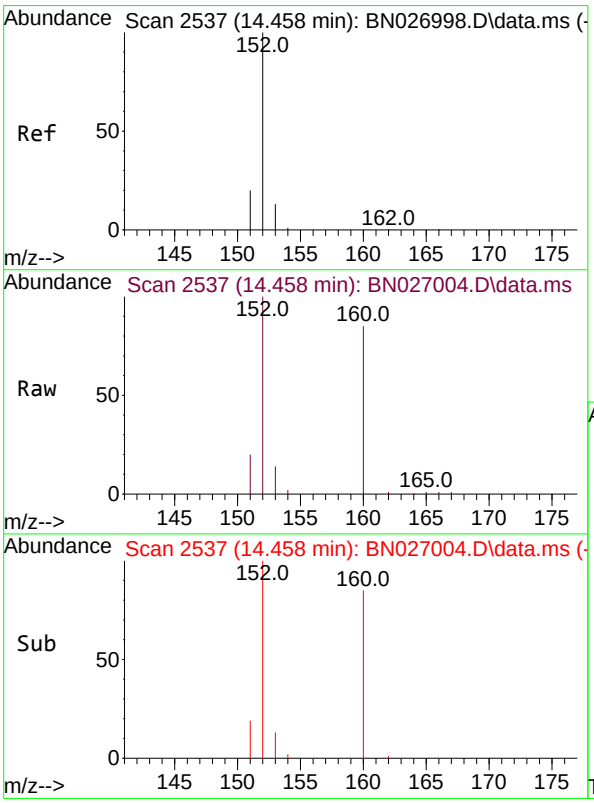
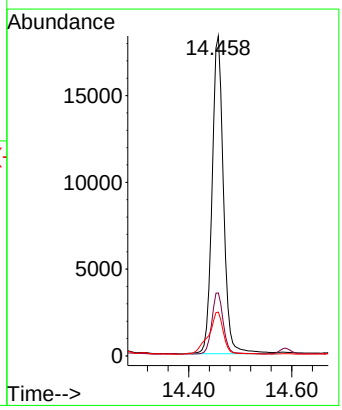


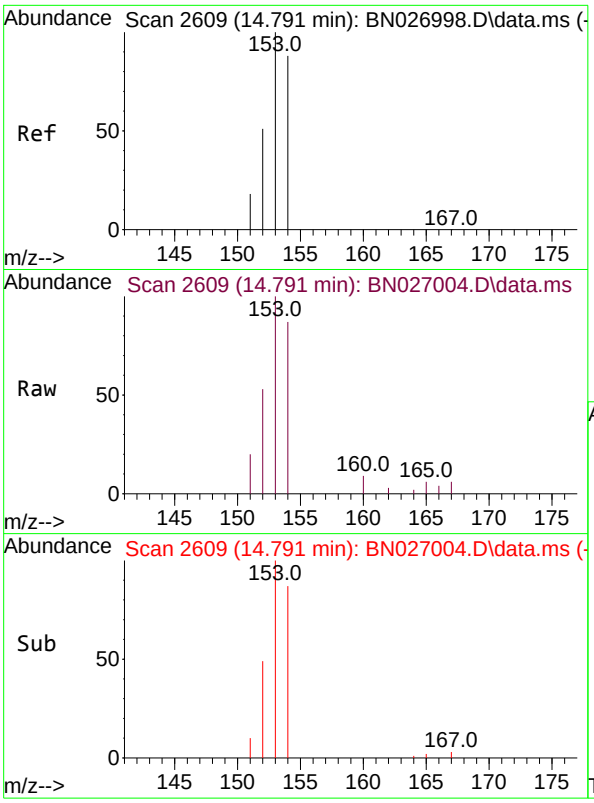


#10
Acenaphthylene
Concen: 0.286 ng/ul
RT: 14.458 min Scan# 2537
Delta R.T. -0.000 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:152 Resp: 28186

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.7	11.0	16.6





#11
Acenaphthene
Concen: 0.081 ng/ul
RT: 14.791 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:153 Resp: 553

Ion	Ratio	Lower	Upper
153	100		
152	52.8	41.1	61.7
154	86.9	71.6	107.4

Instrument :
BNA_N
ClientSampleId :
A48M6

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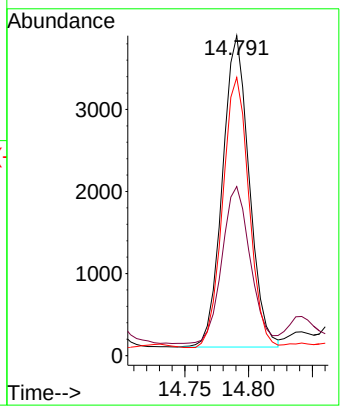
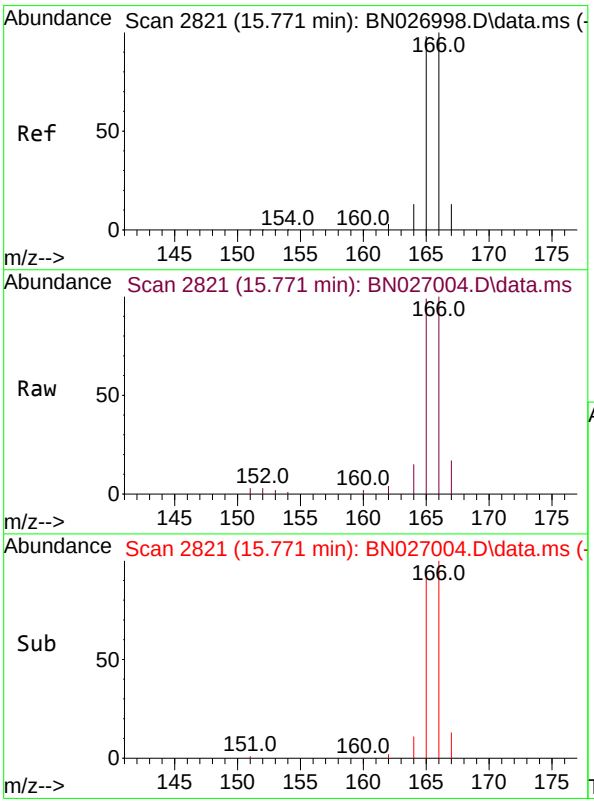
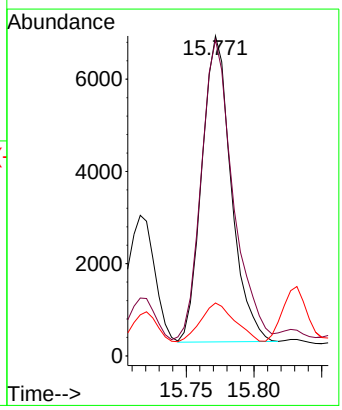


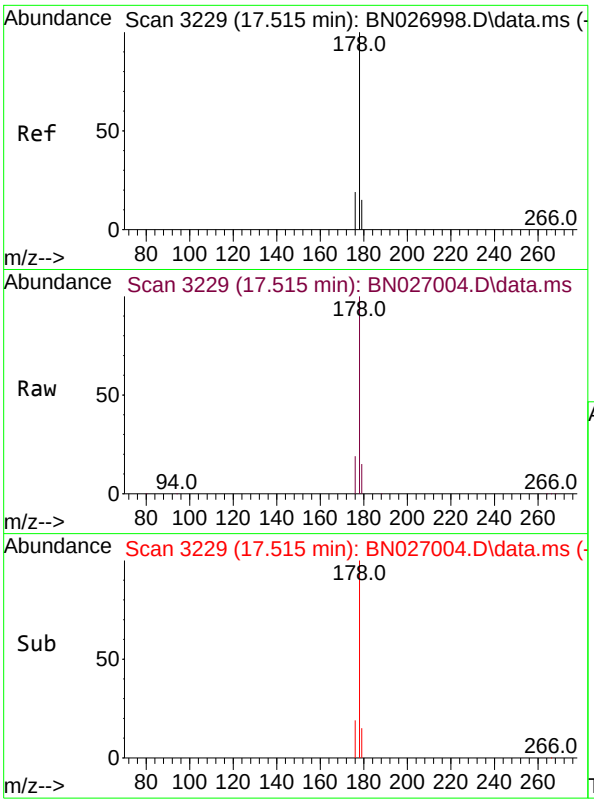


#12
Fluorene
Concen: 0.129 ng/ul
RT: 15.771 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:166 Resp: 9979

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.1	118.7
167	16.5	11.4	17.0

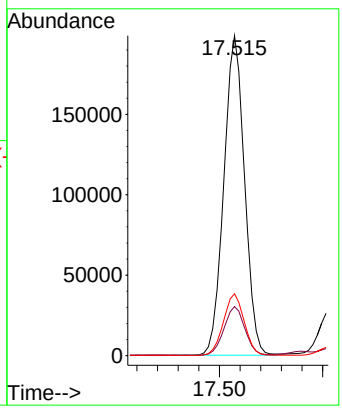




#15
Phenanthrene
Concen: 2.089 ng/ul
RT: 17.515 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:178 Resp: 27649

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	19.3	15.4	23.2



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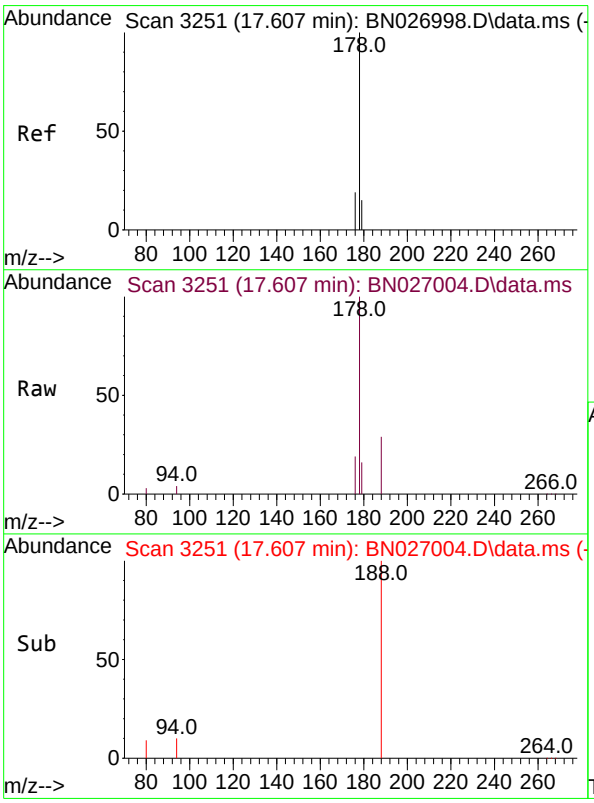
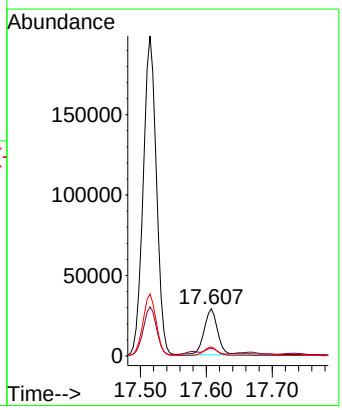
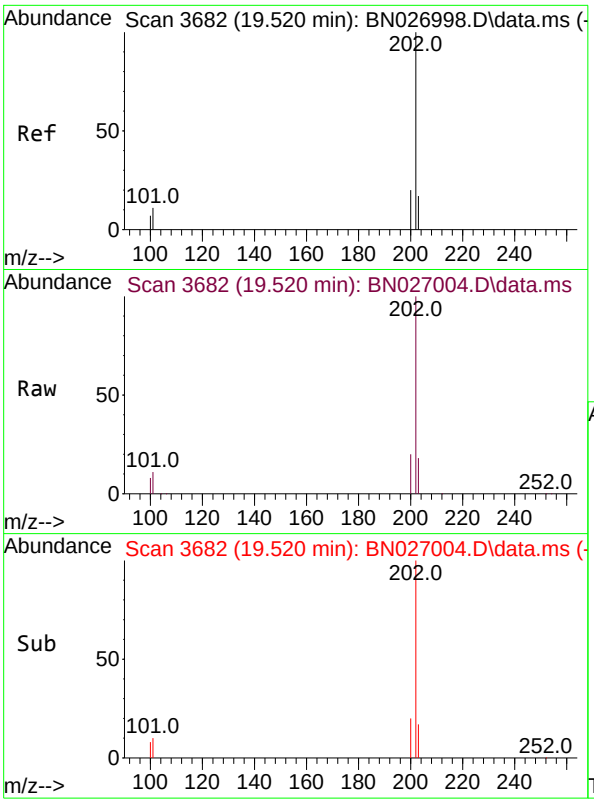


#16
Anthracene
Concen: 0.350 ng/ul
RT: 17.607 min Scan# 3251
Delta R.T. -0.000 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:178 Resp: 41845

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	19.0
176	19.0	15.0	22.6

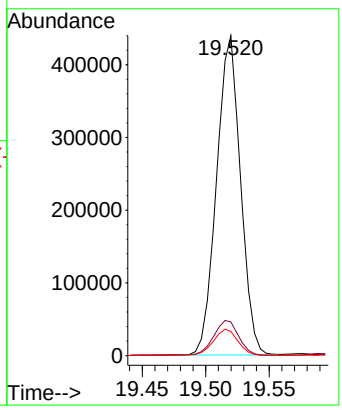




#19
Fluoranthene
Concen: 4.219 ng/ul
RT: 19.520 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:202 Resp: 57804

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.3	12.5
100	7.6	6.2	9.2



Instrument :
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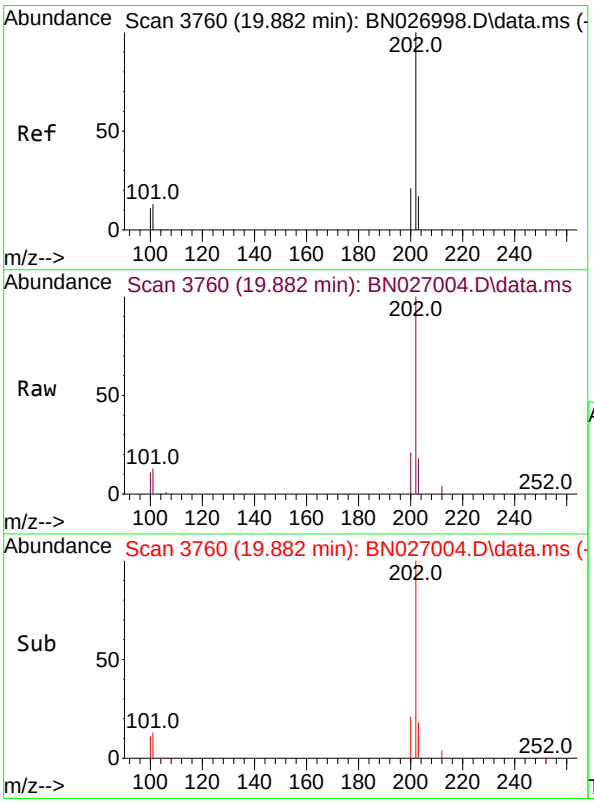
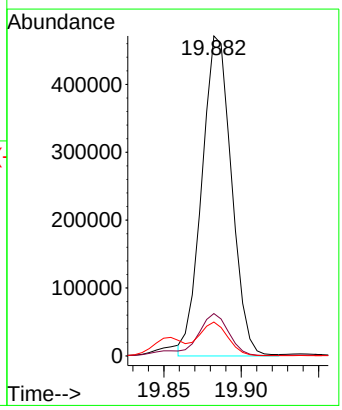
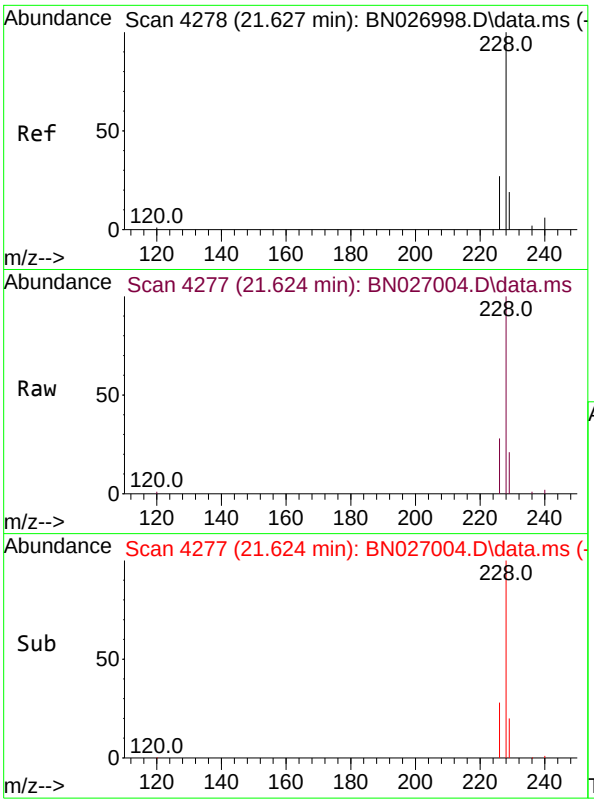


#20
Pyrene
Concen: 4.296 ng/ul m
RT: 19.882 min Scan# 3760
Delta R.T. -0.005 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:202 Resp: 627928

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.7	16.1
100	10.6	8.5	12.7

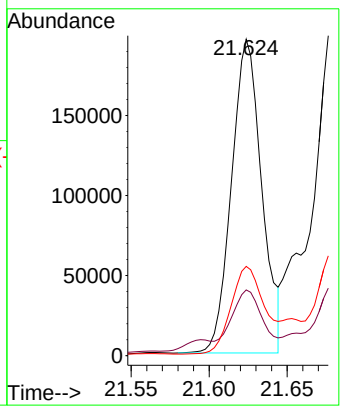




#21
Benzo(a)anthracene
Concen: 2.019 ng/ul
RT: 21.624 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:228 Resp: 26479

Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.0	24.0
226	28.2	22.2	33.2



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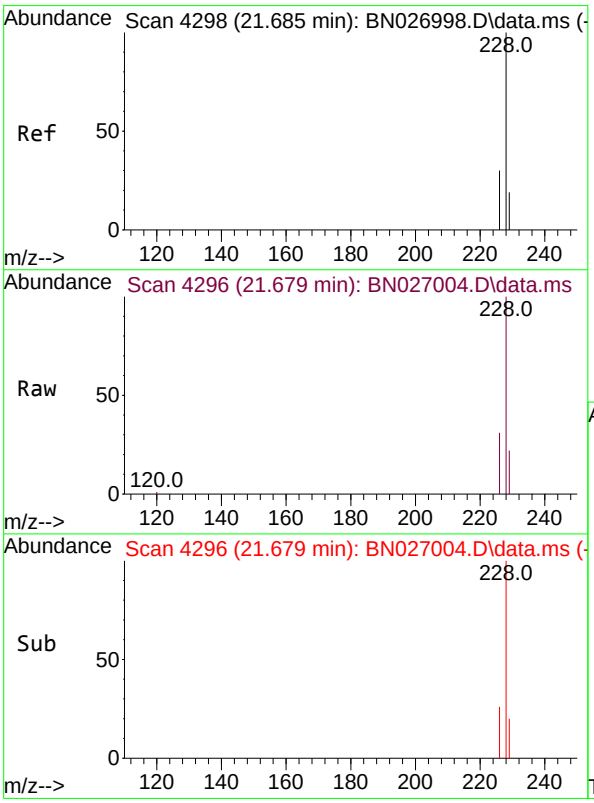
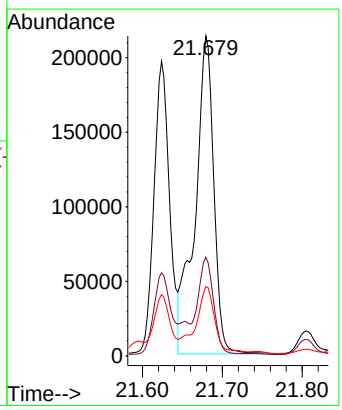
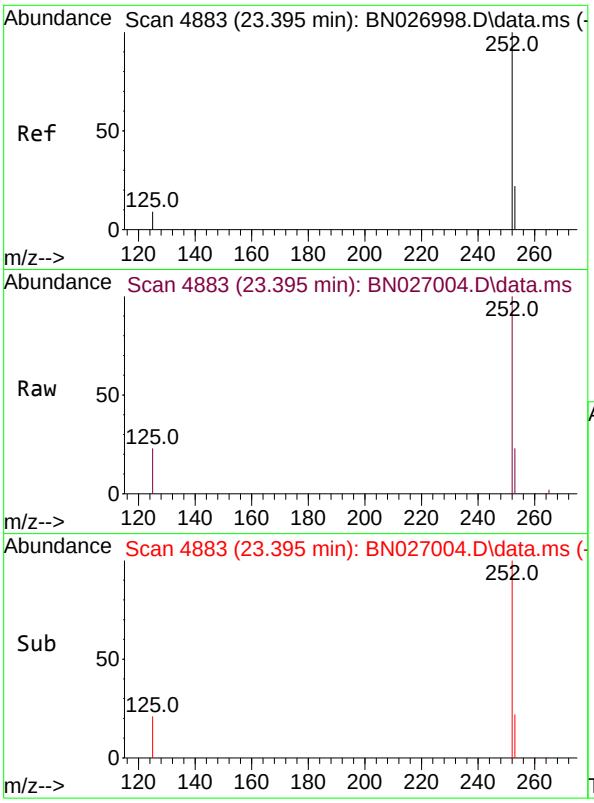


#22
Chrysene
Concen: 2.689 ng/ul
RT: 21.679 min Scan# 4296
Delta R.T. -0.012 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:228 Resp: 348166

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	21.7	15.8	23.6

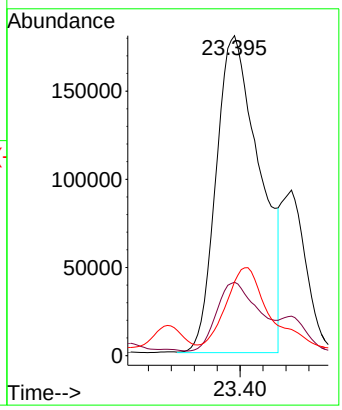




#24
Benzo(b)fluoranthene
Concen: 3.999 ng/ul m
RT: 23.395 min Scan# 48
Delta R.T. -0.012 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:252 Resp: 476195

Ion	Ratio	Lower	Upper
252	100		
253	22.9	0.0	46.8
125	23.1	0.0	25.2



Instrument :
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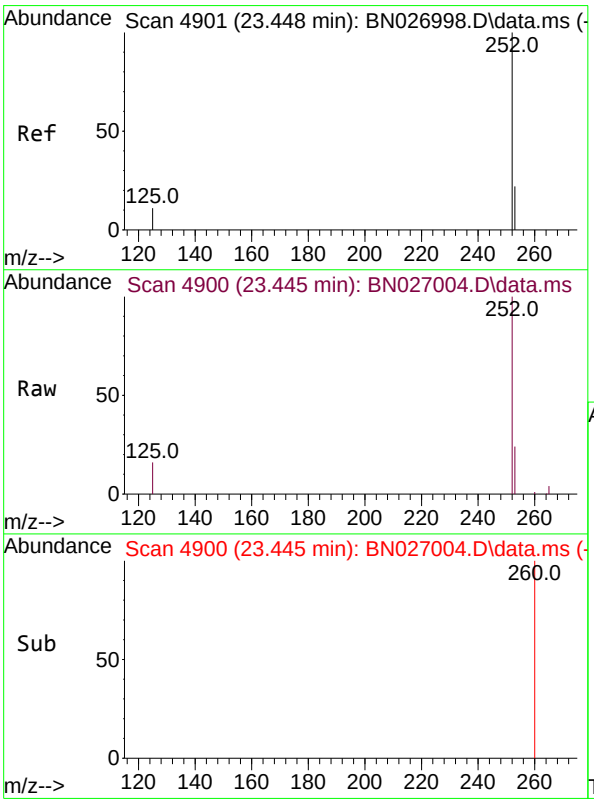
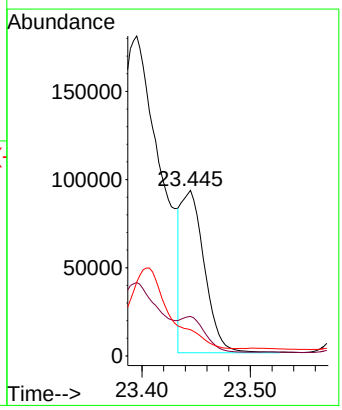
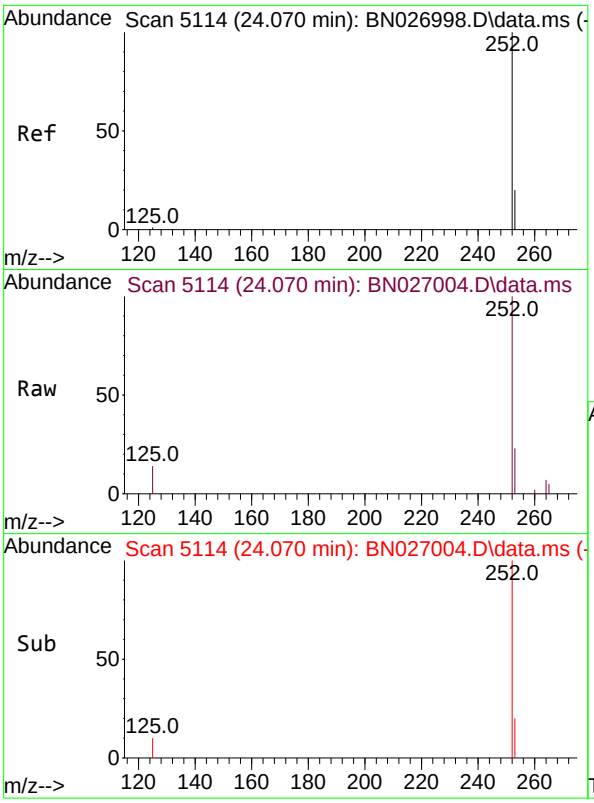


#25
Benzo(k)fluoranthene
Concen: 1.180 ng/ul m
RT: 23.445 min Scan# 4900
Delta R.T. -0.015 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:252 Resp: 138564

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.4
125	15.8	9.9	14.9#





#26
Benzo(a)pyrene
Concen: 2.524 ng/ul
RT: 24.070 min Scan# 5
Delta R.T. -0.015 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:252 Resp: 27118

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.6
125	13.6	11.4	17.0

Instrument :
BNA_N
ClientSampleId :
A48M6

Manual Integrations
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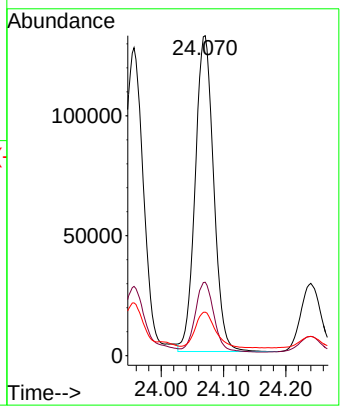
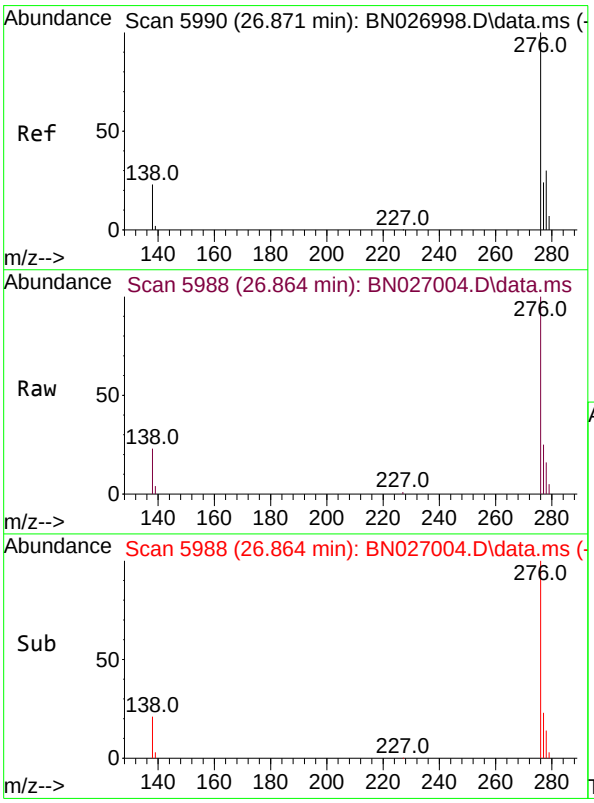
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

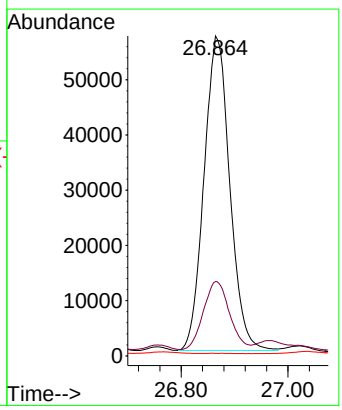


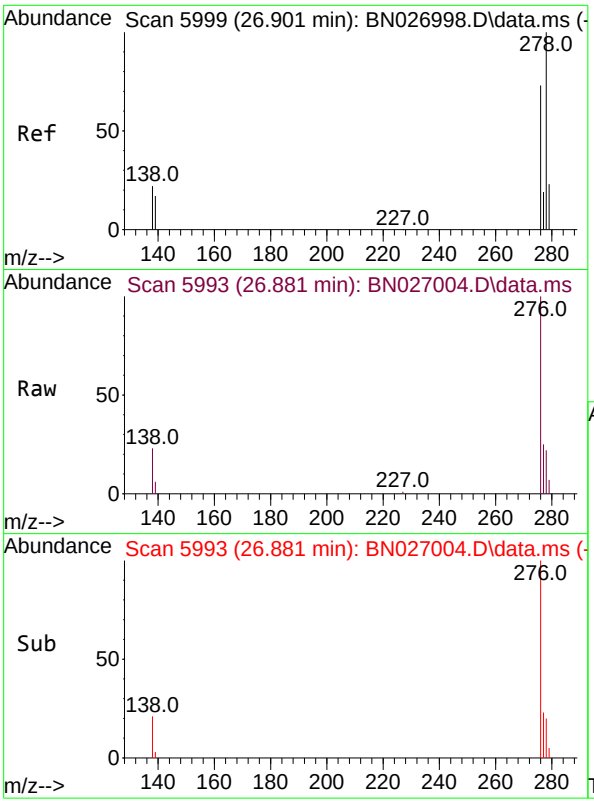


#27
Indeno(1,2,3-cd)pyrene
Concen: 1.357 ng/ul
RT: 26.864 min Scan# 5988
Delta R.T. -0.021 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:276 Resp: 190741

Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.6	32.4
227	0.1	0.0	0.0#





#28
Dibenzo(a,h)anthracene
Concen: 0.385 ng/ul
RT: 26.881 min Scan# 5
Delta R.T. -0.041 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

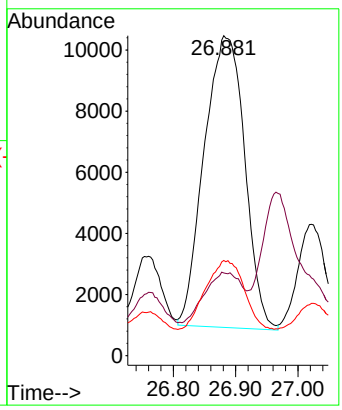
Tgt Ion:278 Resp: 4311

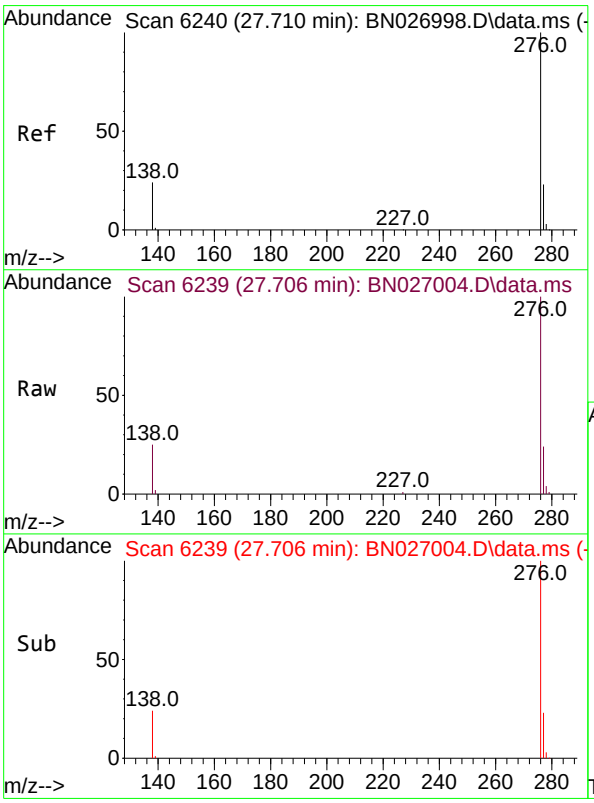
Ion	Ratio	Lower	Upper
278	100		
139	25.8	15.7	23.5
279	29.7	20.2	30.4

Instrument :
BNA_N
ClientSampleId :
A48M6

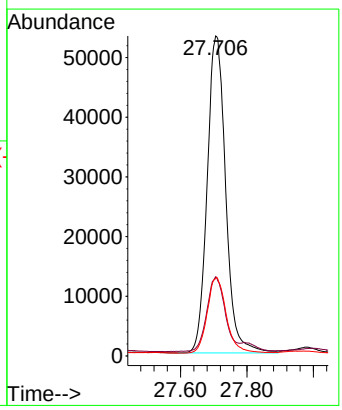
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023





#29
Benzo(g,h,i)perylene
Concen: 1.761 ng/ul
RT: 27.706 min Scan# 6239
Delta R.T. -0.017 min
Lab File: BN027004.D
Acq: 21 Aug 2023 22:45

Tgt Ion:276 Resp: 206136

Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.3	28.9
277	24.2	19.8	29.8