Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	5584	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	21765	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	13499	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.935	188	30161	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	30417	0.400	ng/ul	0.00
23) Perylene-d12	23.344	264	29040	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	798	0.129	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.905	152	4590	0.144	ng/ul	0.00
18) Fluoranthene-d10	18.975	212	12585	0.158	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.348	128	3848	0.064	ng/ul	96
7) 2-Methylnaphthalene	11.976	142	2756	0.066	ng/ul	99
8) 1-Methylnaphthalene	12.202	142	2269	0.053	ng/ul	100
10) Acenaphthylene	13.896	152	1985	0.037	ng/ul#	89
15) Phenanthrene	16.977	178	18424	0.193	ng/ul	100
16) Anthracene	17.070	178	3899	0.049	ng/ul#	94
19) Fluoranthene	19.007	202	43842	0.403	ng/ul	99
20) Pyrene	19.370	202	39519	0.354	ng/ul	99
21) Benzo(a)anthracene	21.129	228	21944	0.220	ng/ul	98
22) Chrysene	21.181	228	22473	0.199	ng/ul	98
24) Benzo(b)fluoranthene	22.689	252	30298m	0.280	ng/ul	
25) Benzo(k)fluoranthene	22.727	252	12330m	0.100	ng/ul	
26) Benzo(a)pyrene	23.248	252	20371	0.210	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.561	276	14620	0.106	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.571	278	3584	0.033	ng/ul#	61
29) Benzo(g,h,i)perylene	26.236	276	11846	0.102	ng/ul	95

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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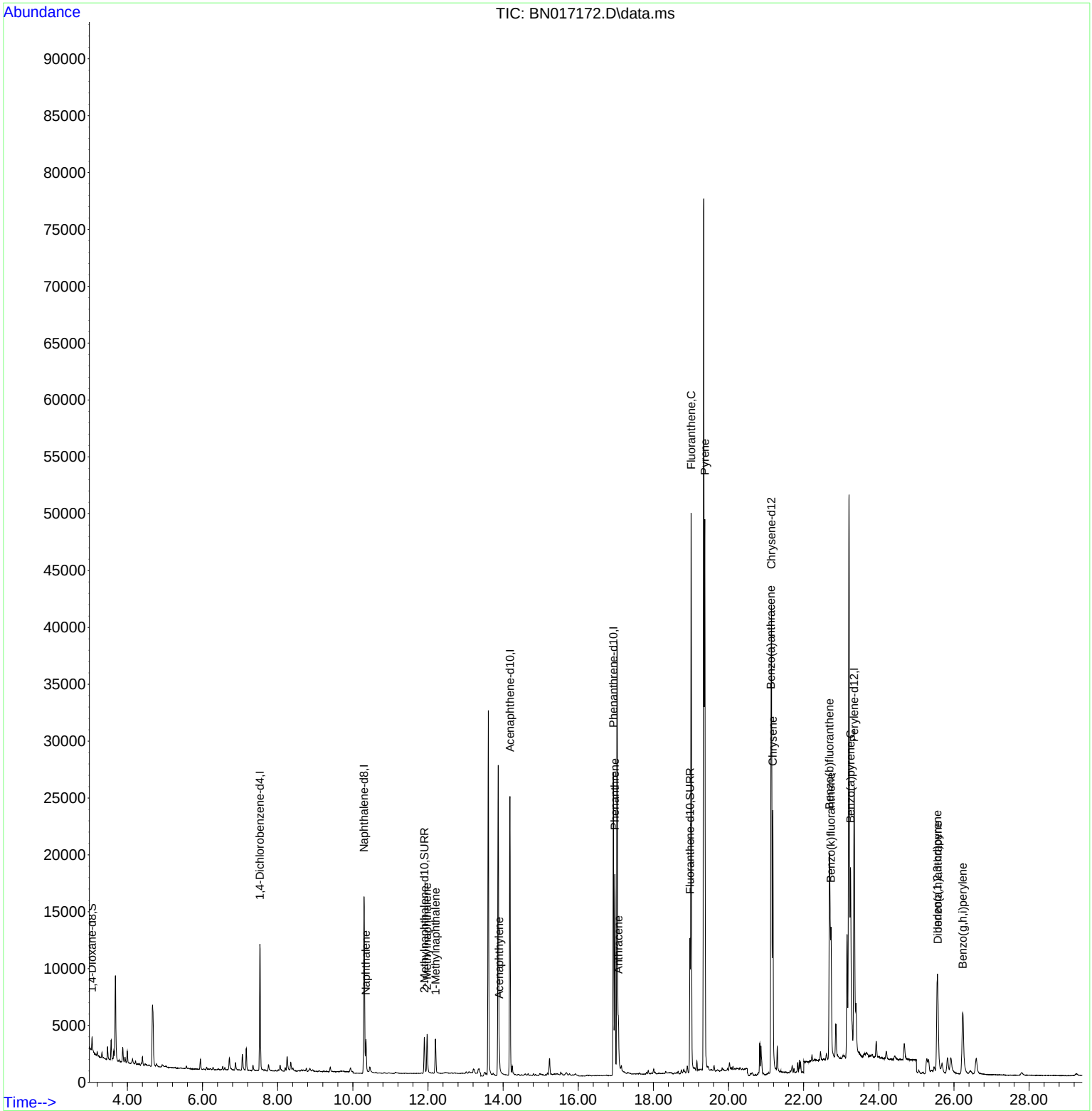
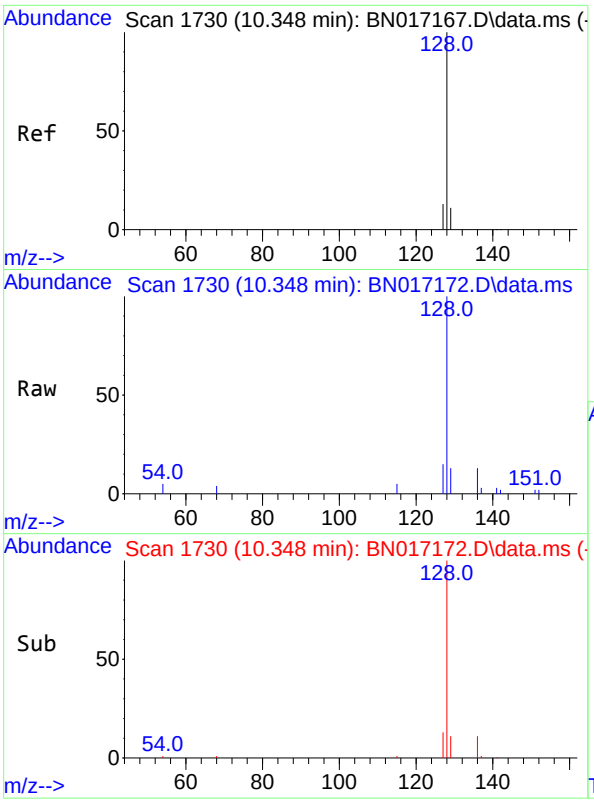
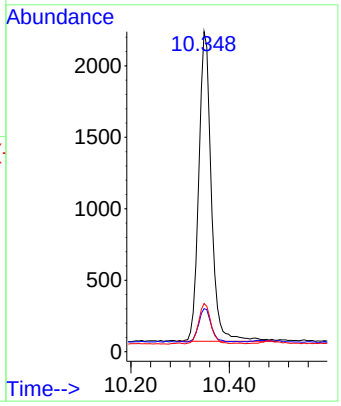


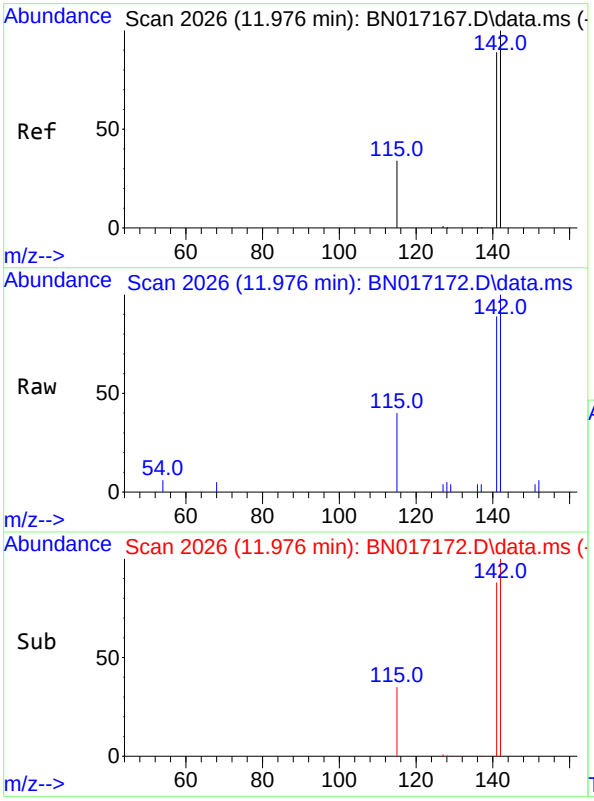


#5
Naphthalene
Concen: 0.064 ng/ul
RT: 10.348 min Scan# 1730
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:128 Resp: 3848

Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.2	13.8
127	15.1	10.8	16.2

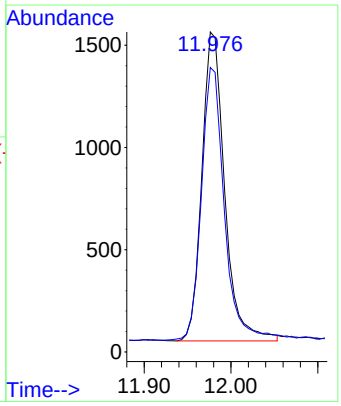




#7
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 11.976 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:142 Resp: 2756

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.4



Instrument :
BNA_N
ClientSampleId :
C0AZ5

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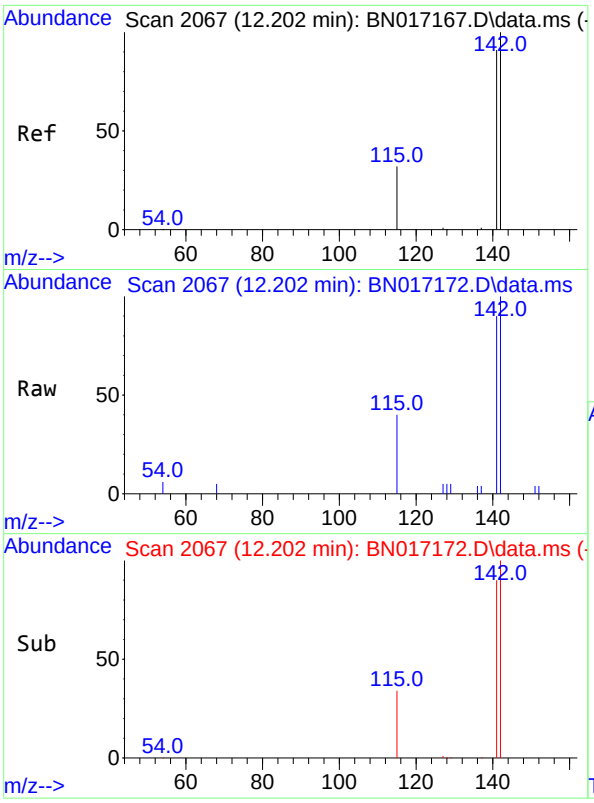
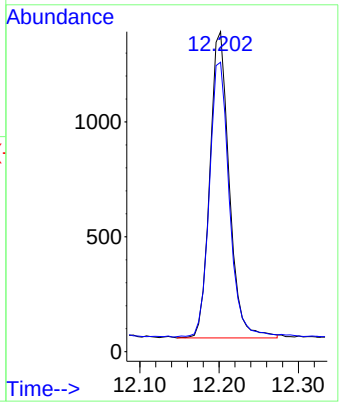


#8
1-Methylnaphthalene
Concen: 0.053 ng/ul
RT: 12.202 min Scan# 2067
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:142 Resp: 2269

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.8	110.8



Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
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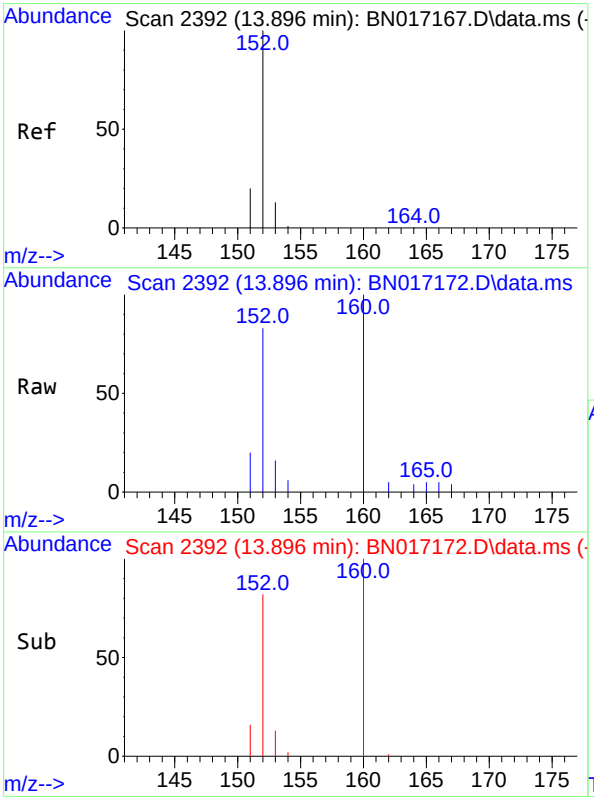
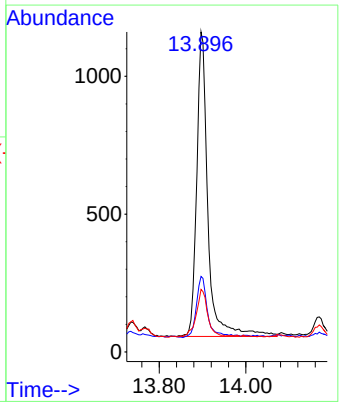
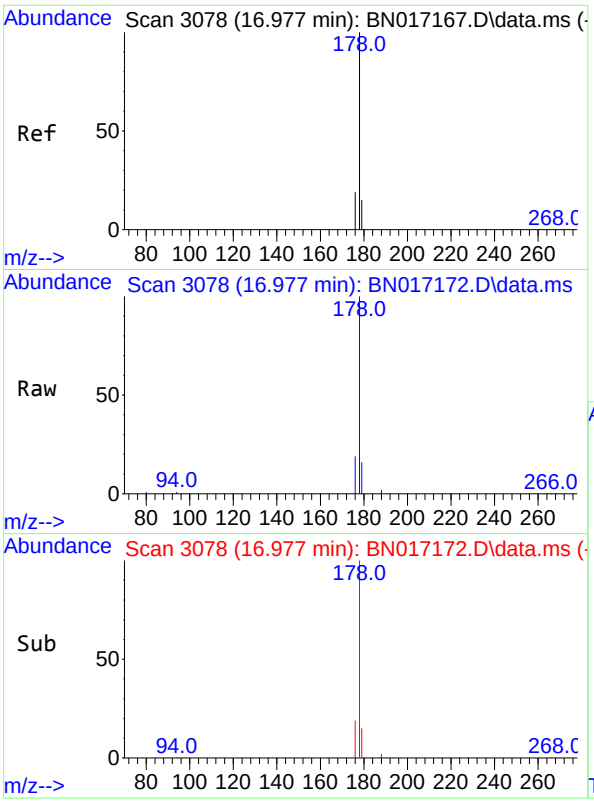


#10
Acenaphthylene
Concen: 0.037 ng/ul
RT: 13.896 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:152 Resp: 1985

Ion	Ratio	Lower	Upper
152	100		
151	23.6	16.0	24.0
153	19.6	10.8	16.2#

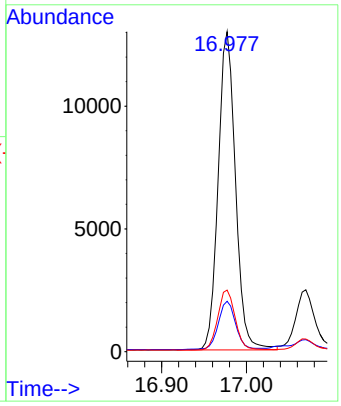


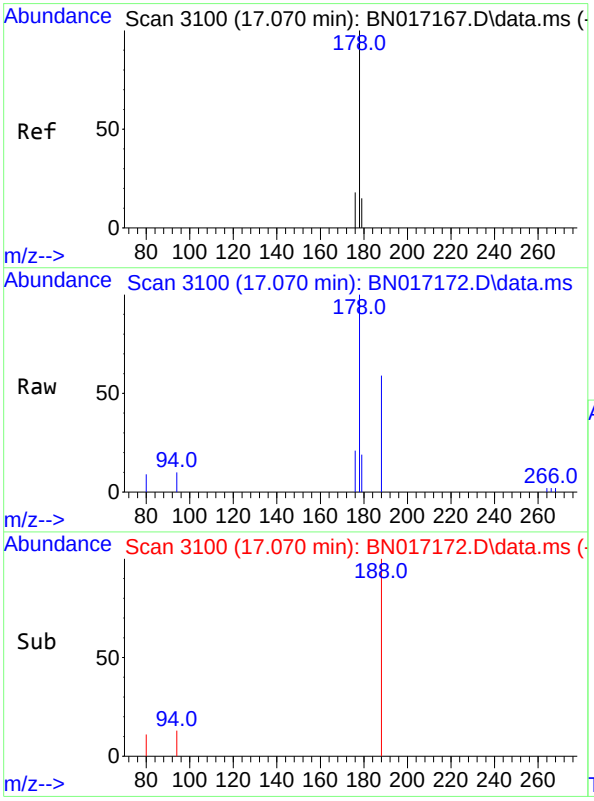


#15
Phenanthrene
Concen: 0.193 ng/ul
RT: 16.977 min Scan# 3078
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:178 Resp: 18424

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	19.0
176	19.2	15.5	23.3

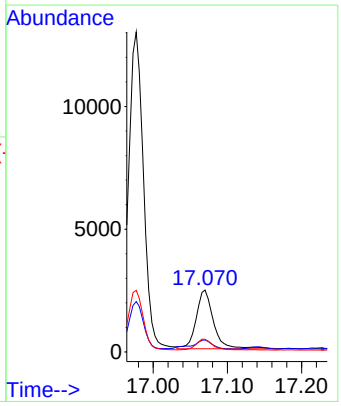




#16
Anthracene
Concen: 0.049 ng/ul
RT: 17.070 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:178 Resp: 3899

Ion	Ratio	Lower	Upper
178	100		
179	19.3	12.6	19.0#
176	20.5	15.2	22.8



Instrument :
BNA_N
ClientSampleId :
C0AZ5

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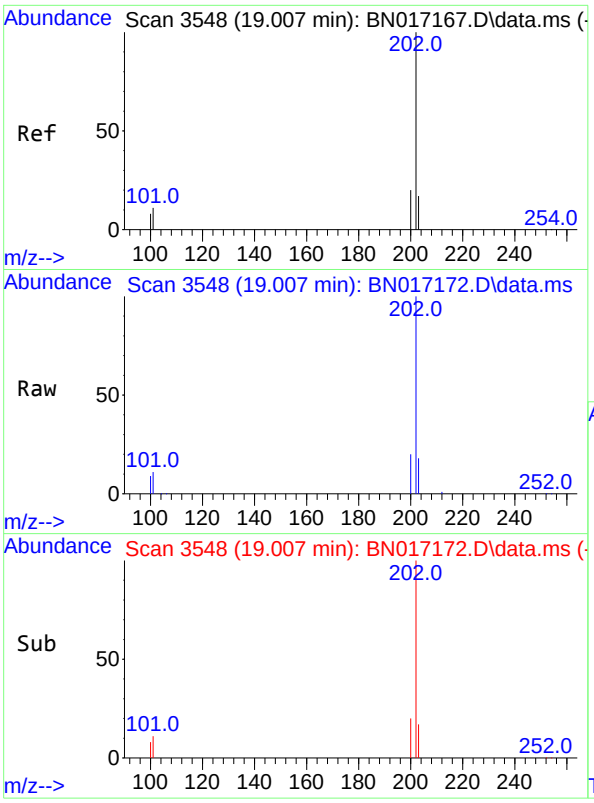
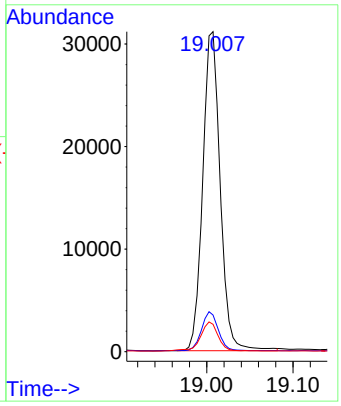
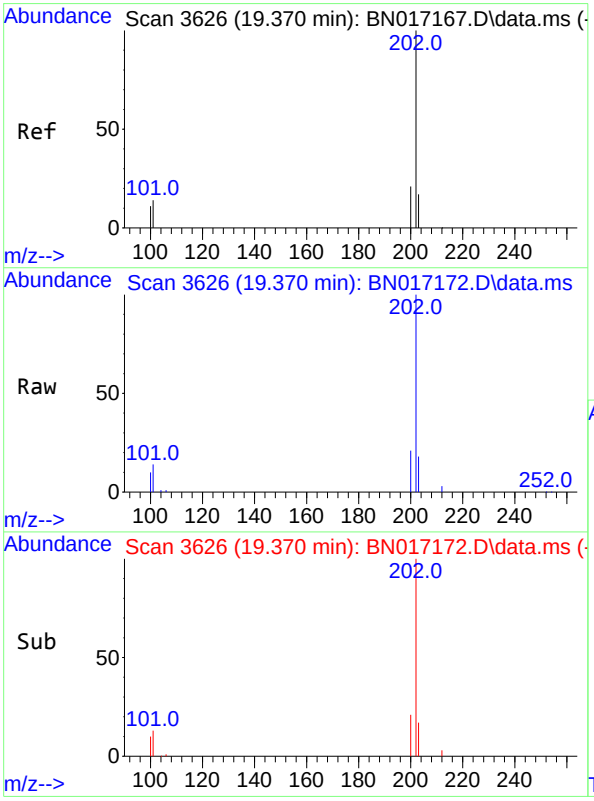


#19
Fluoranthene
Concen: 0.403 ng/ul
RT: 19.007 min Scan# 3548
Delta R.T. -0.000 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:202 Resp: 43842

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.7	14.5
100	8.6	7.2	10.8

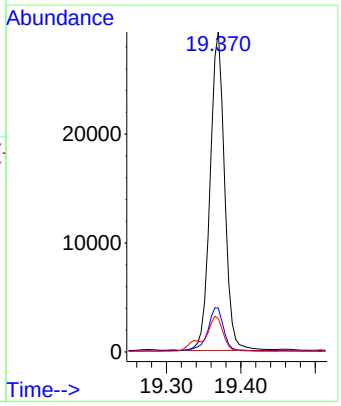




#20
Pyrene
Concen: 0.354 ng/ul
RT: 19.370 min Scan# 3626
Delta R.T. -0.005 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:202 Resp: 39519

Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.3	15.5
100	10.5	8.2	12.2



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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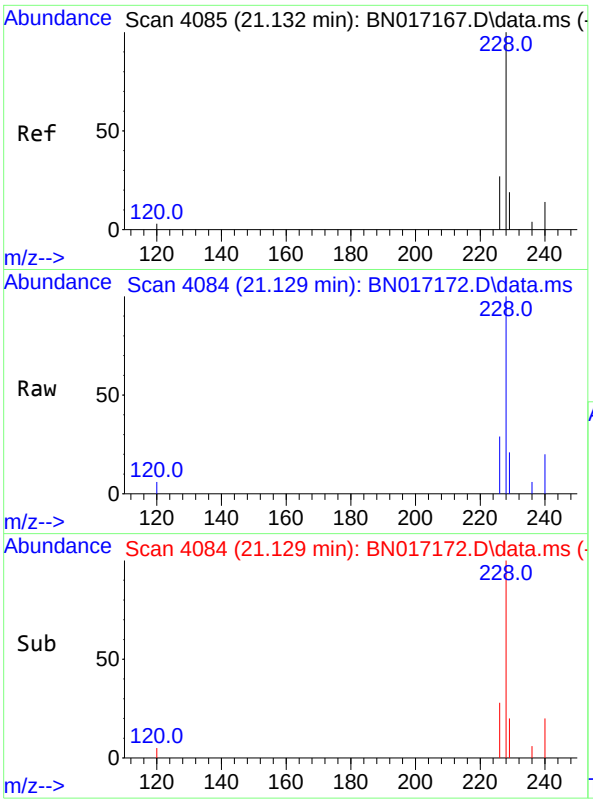
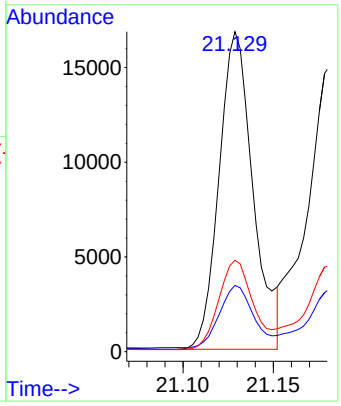
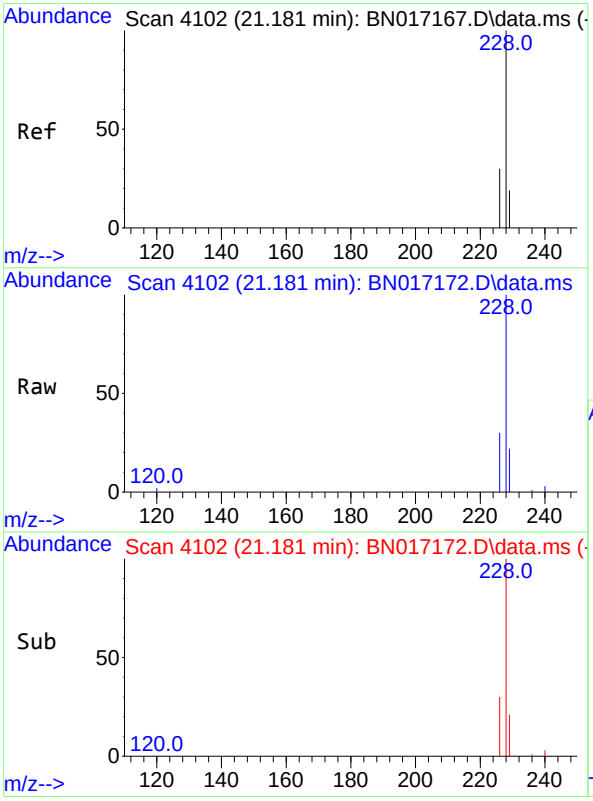


#21
Benzo(a)anthracene
Concen: 0.220 ng/ul
RT: 21.129 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:228 Resp: 21944

Ion	Ratio	Lower	Upper
228	100		
229	20.7	16.1	24.1
226	28.6	21.7	32.5

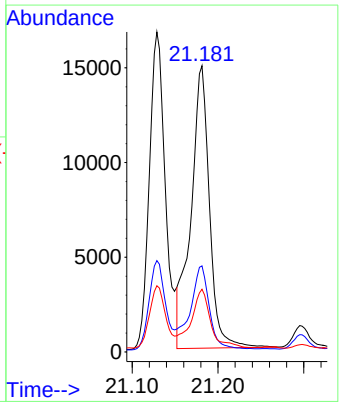




#22
Chrysene
Concen: 0.199 ng/ul
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:228 Resp: 22473

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	21.9	15.4	23.2



Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
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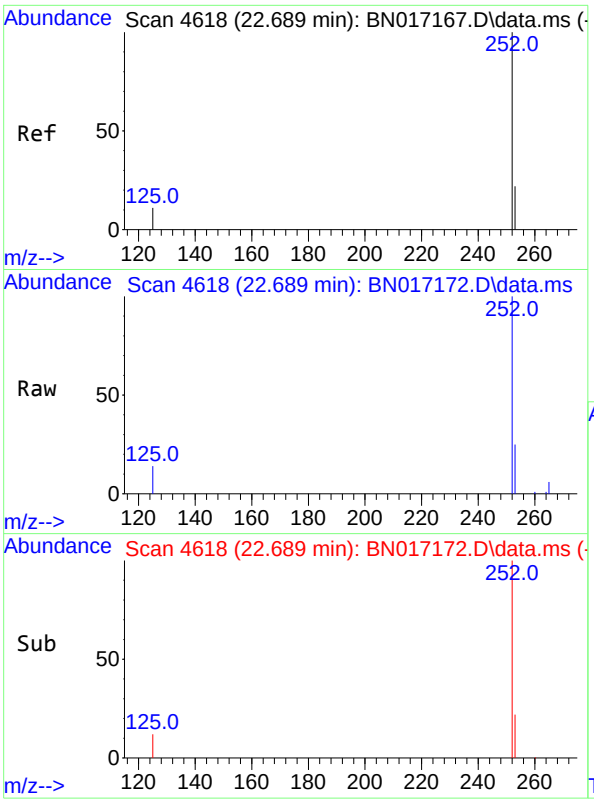
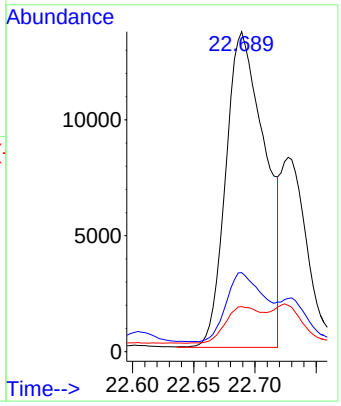
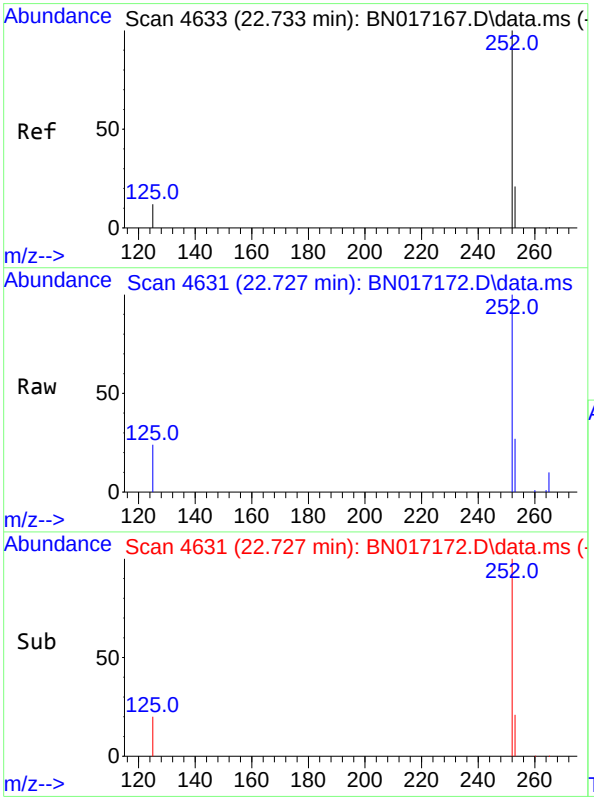


#24
Benzo(b)fluoranthene
Concen: 0.280 ng/ul m
RT: 22.689 min Scan# 4618
Delta R.T. -0.006 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:252 Resp: 30298

Ion	Ratio	Lower	Upper
252	100		
253	24.7	0.0	46.8
125	14.1	0.0	23.8

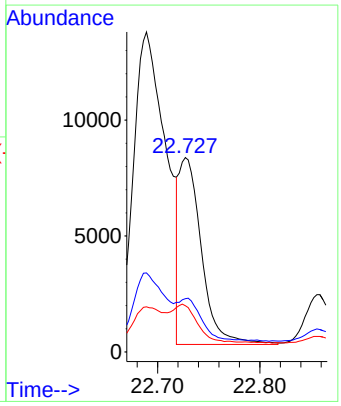




#25
Benzo(k)fluoranthene
Concen: 0.100 ng/ul m
RT: 22.727 min Scan# 4631
Delta R.T. -0.012 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:252 Resp: 12330

Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.3	27.5
125	23.8	10.0	15.0#



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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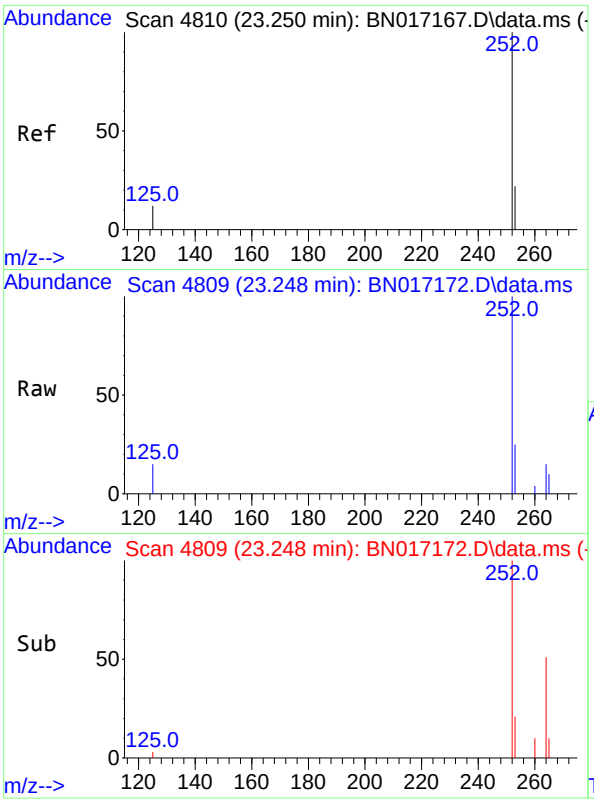
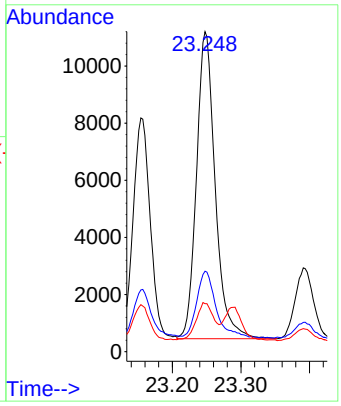


#26
Benzo(a)pyrene
Concen: 0.210 ng/ul
RT: 23.248 min Scan# 4809
Delta R.T. -0.009 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:252 Resp: 20371

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.3	28.9
125	15.0	10.8	16.2



Instrument :
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ClientSampleId :
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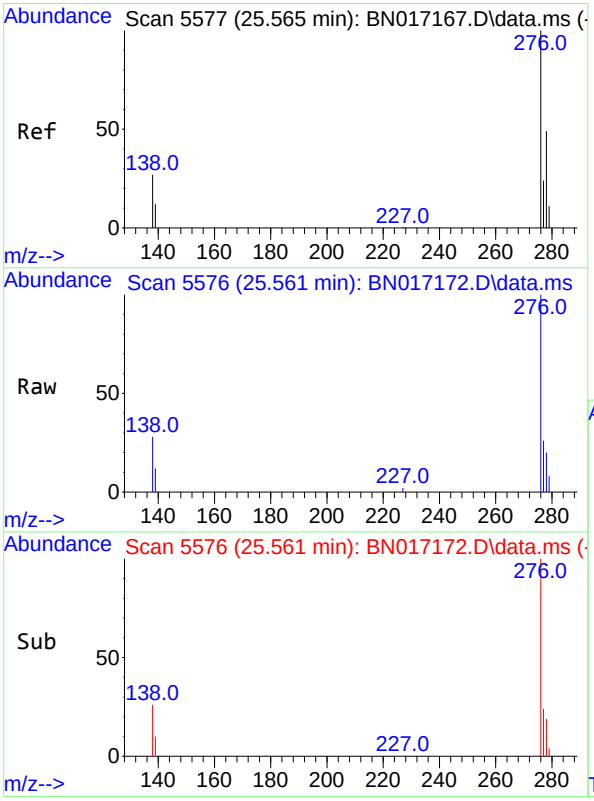
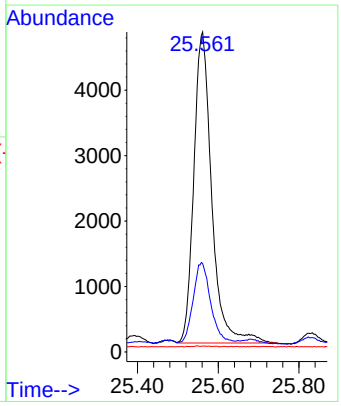
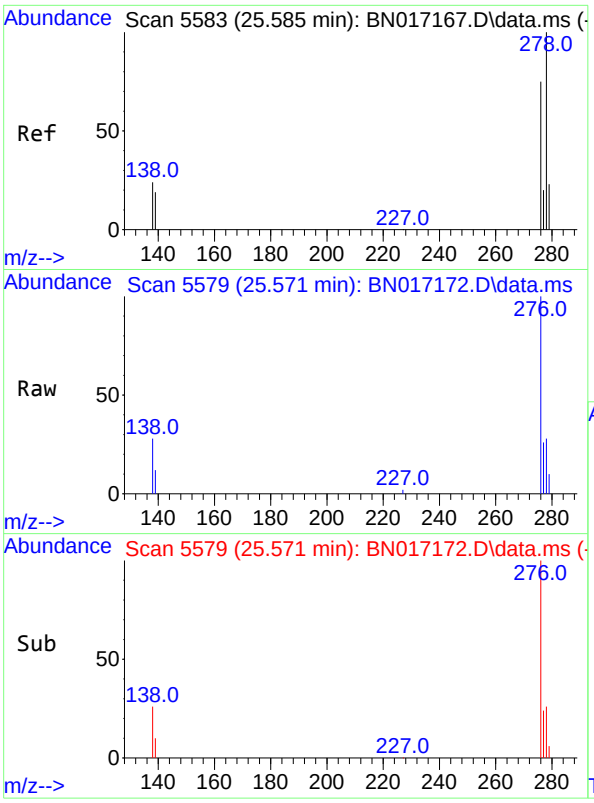


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.106 ng/ul
RT: 25.561 min Scan# 5576
Delta R.T. -0.010 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:276 Resp: 14620

Ion	Ratio	Lower	Upper
276	100		
138	24.5	22.2	33.4
227	0.1	0.0	0.0#

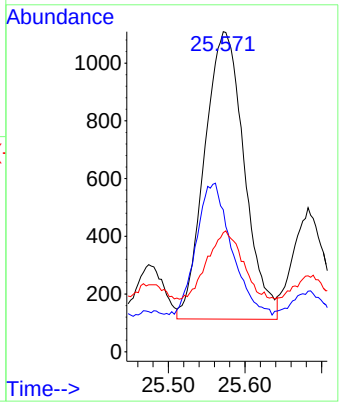




#28
Dibenzo(a,h)anthracene
Concen: 0.033 ng/ul
RT: 25.571 min Scan# 5579
Delta R.T. -0.020 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

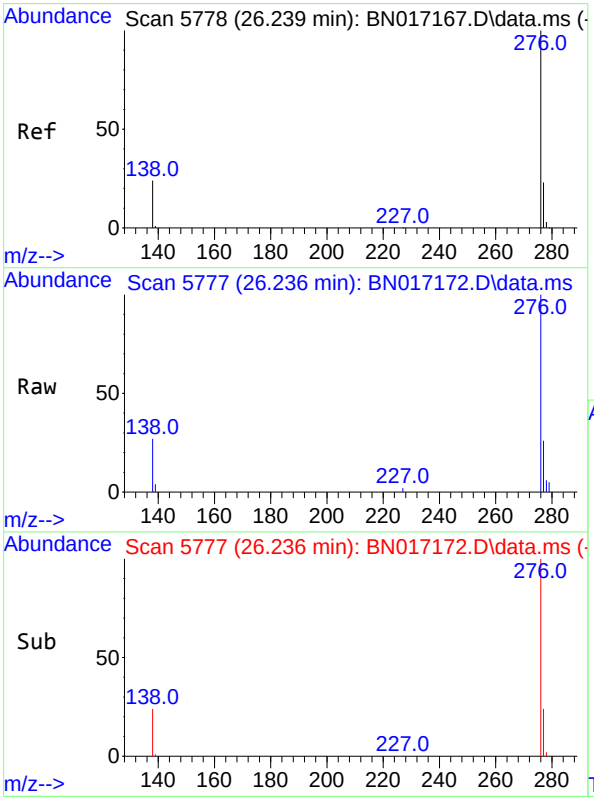
Tgt Ion:278 Resp: 3584

Ion	Ratio	Lower	Upper
278	100		
139	44.4	15.4	23.0#
279	37.2	19.5	29.3#



Instrument :
BNA_N
ClientSampleId :
C0AZ5

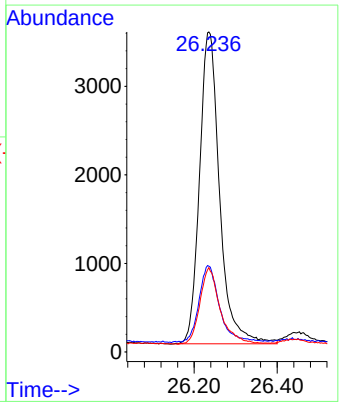
Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM



#29
Benzo(g,h,i)perylene
Concen: 0.102 ng/ul
RT: 26.236 min Scan# 5777
Delta R.T. -0.010 min
Lab File: BN017172.D
Acq: 29 Oct 2021 01:39

Tgt Ion:276 Resp: 11846

Ion	Ratio	Lower	Upper
276	100		
138	26.8	19.2	28.8
277	26.3	19.0	28.6



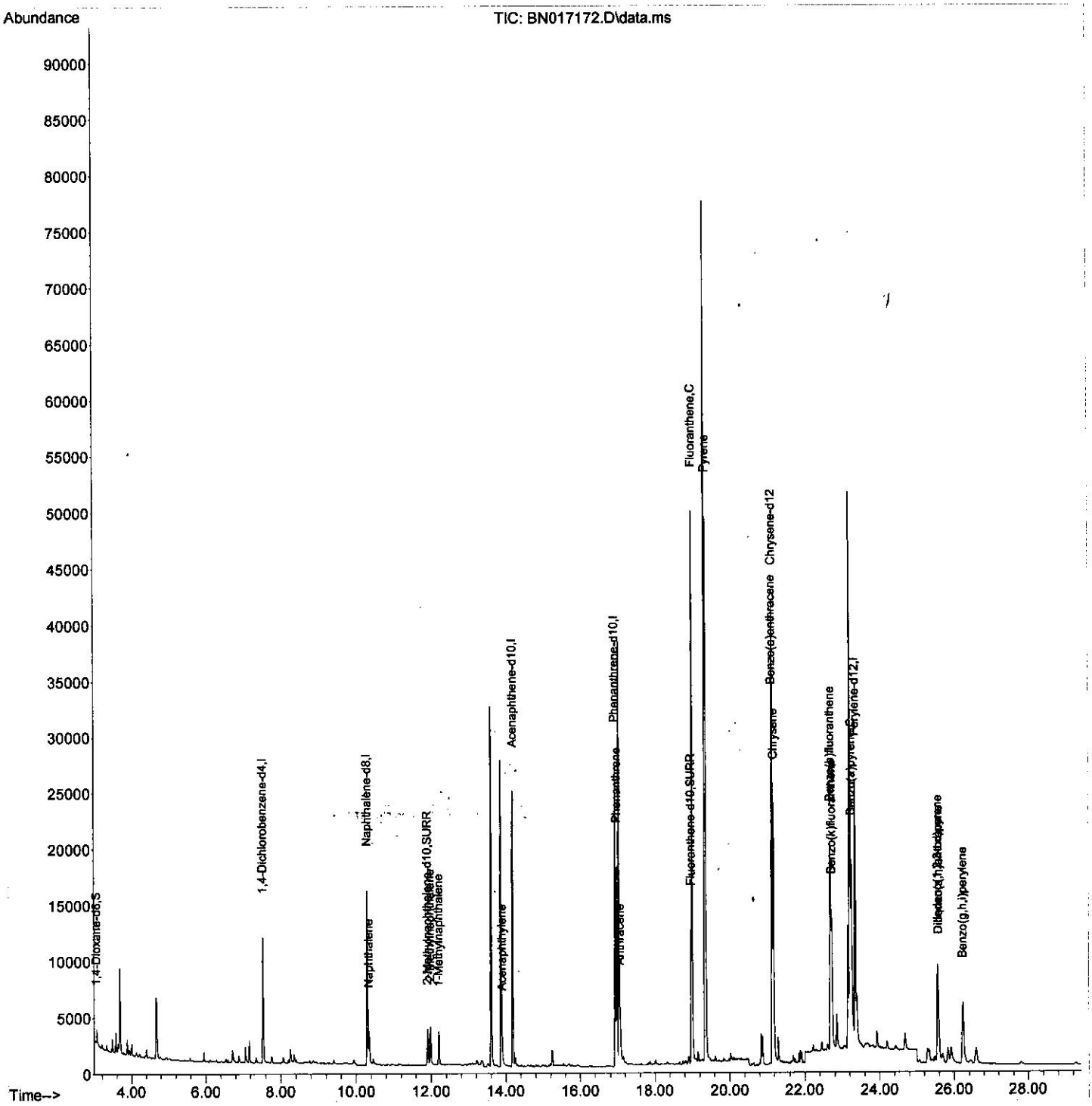
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM



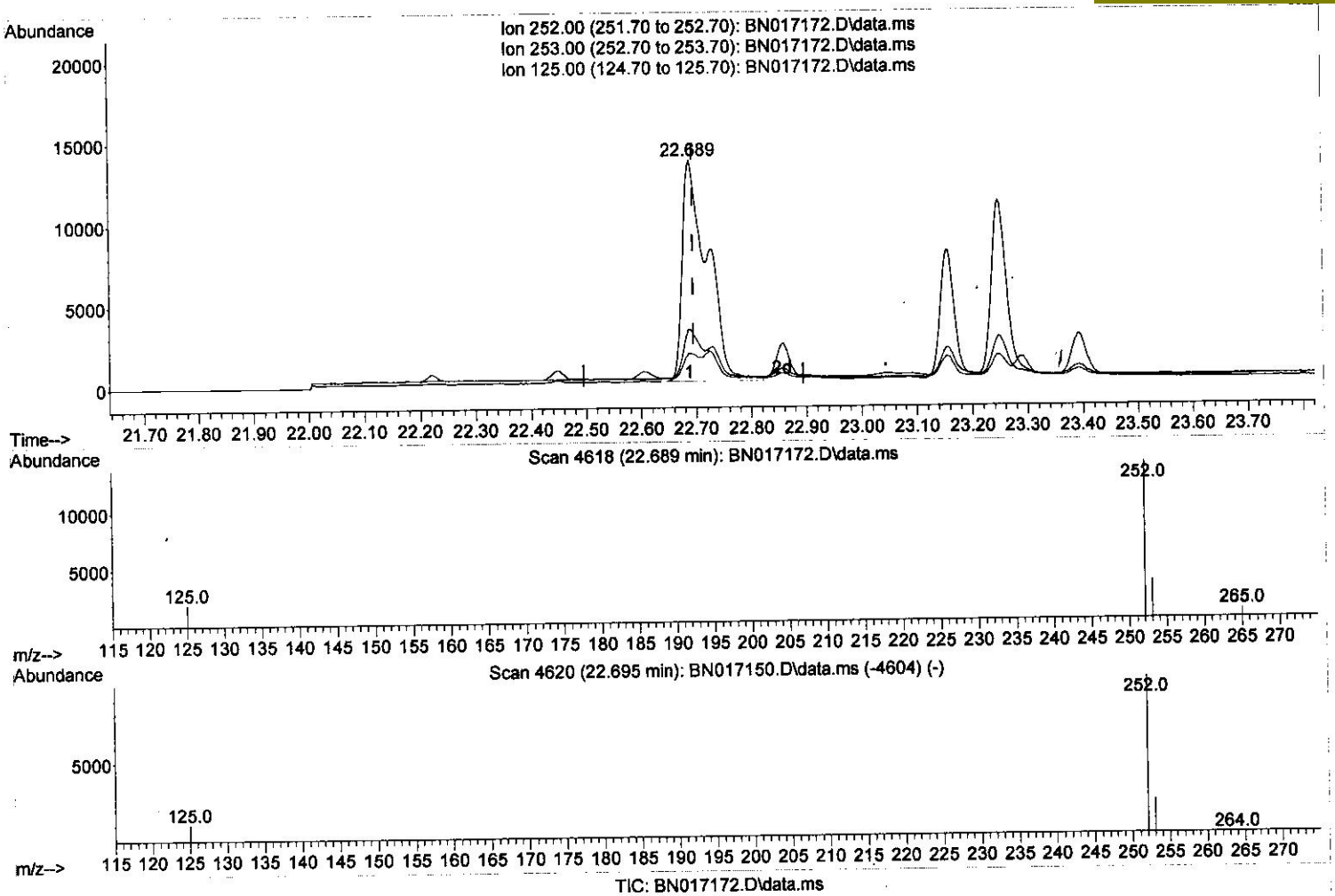
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM



(24) Benzo(b)fluoranthene

22.689min (-0.006) 0.40 ng/ul

response 43277

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.40	24.69
125.00	11.90	14.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
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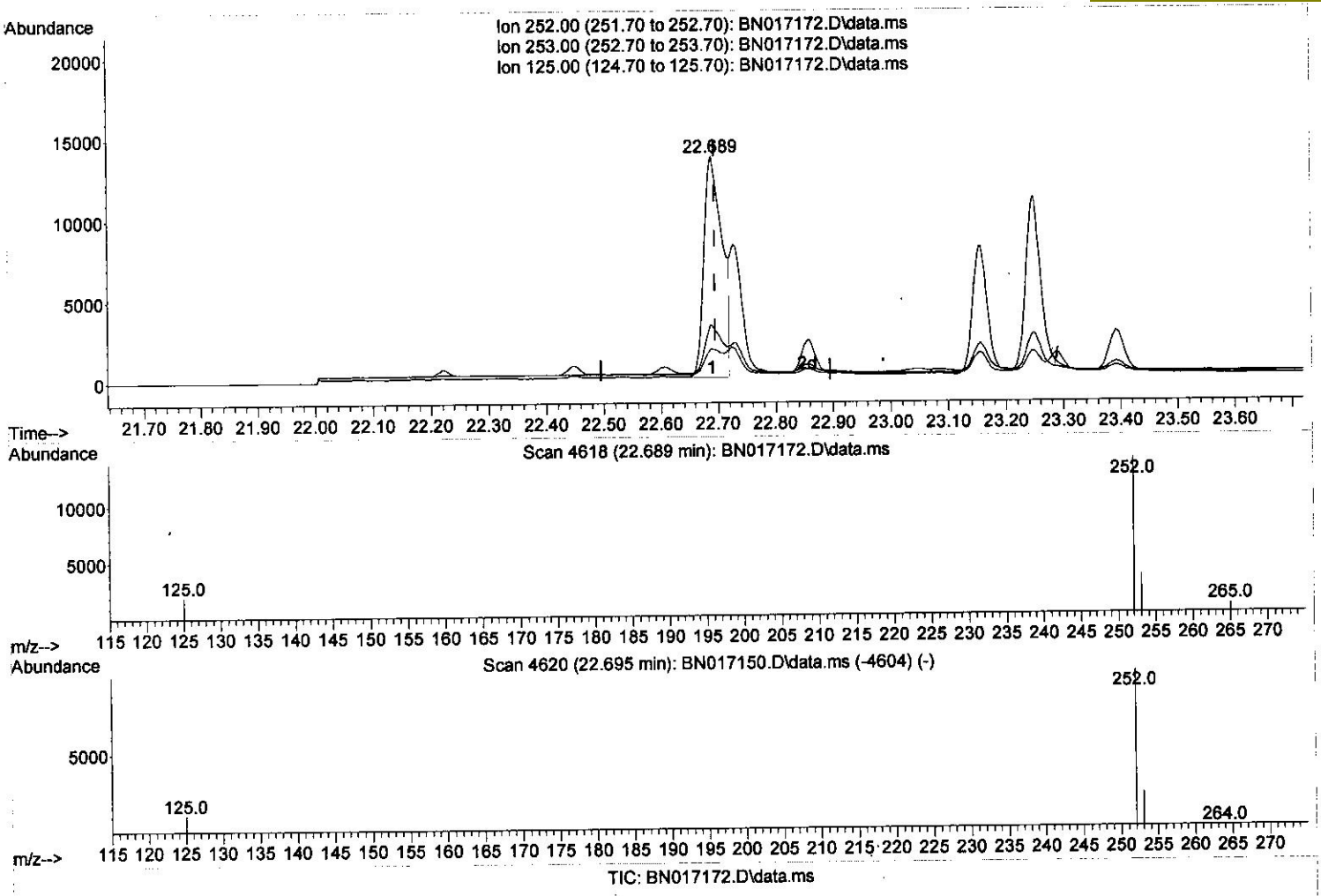
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM



(24) Benzo(b)fluoranthene

22.689min (-0.006) 0.28 ng/ul m JU 11/1/21

response 30298

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.40	24.69
125.00	11.90	14.10
0.00	0.00	0.00

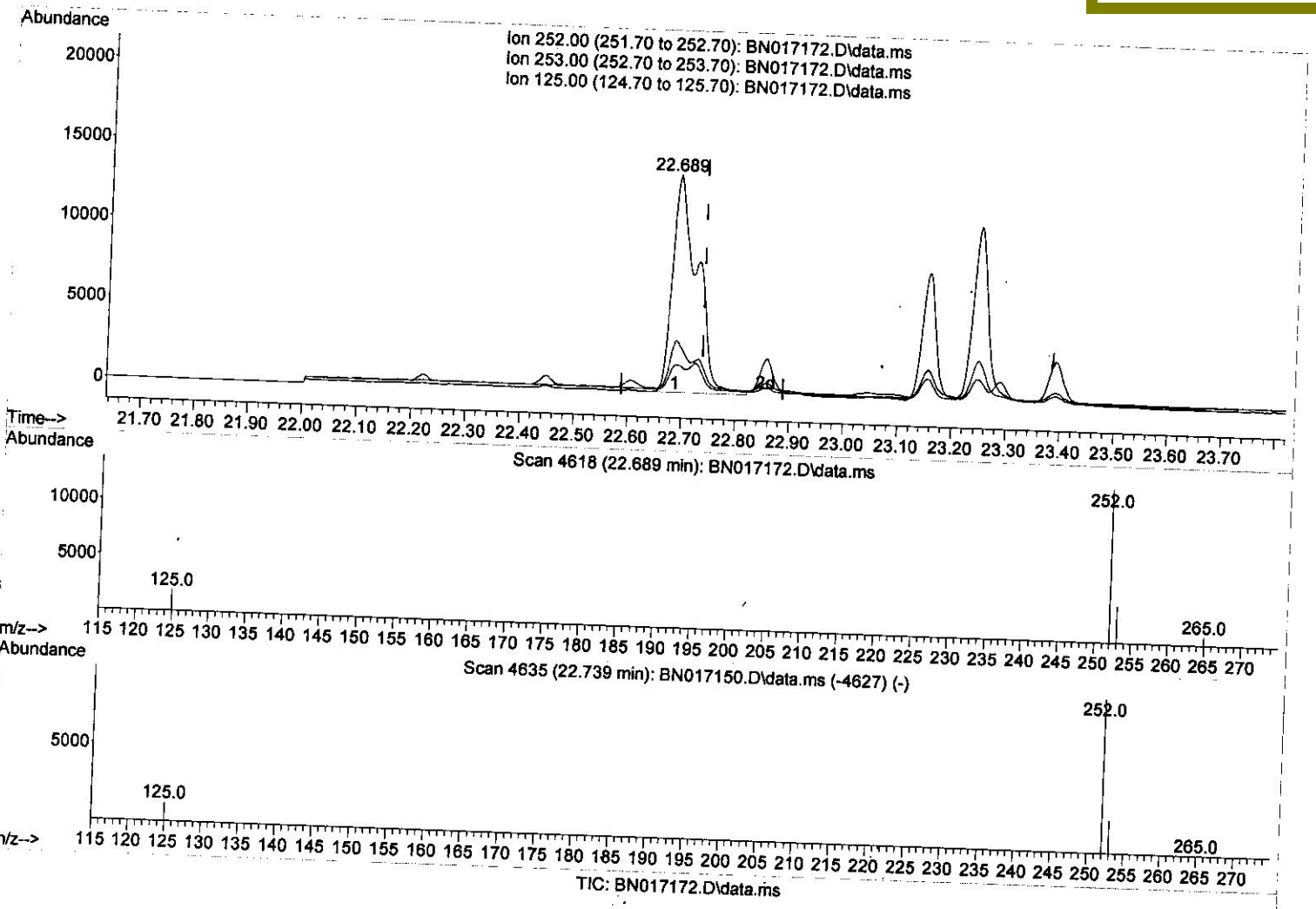
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM



(25) Benzo(k)fluoranthene

22.689min (-0.050) 0.35 ng/ul

response 43277

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.90	24.69
125.00	12.50	14.10
0.00	0.00	0.00

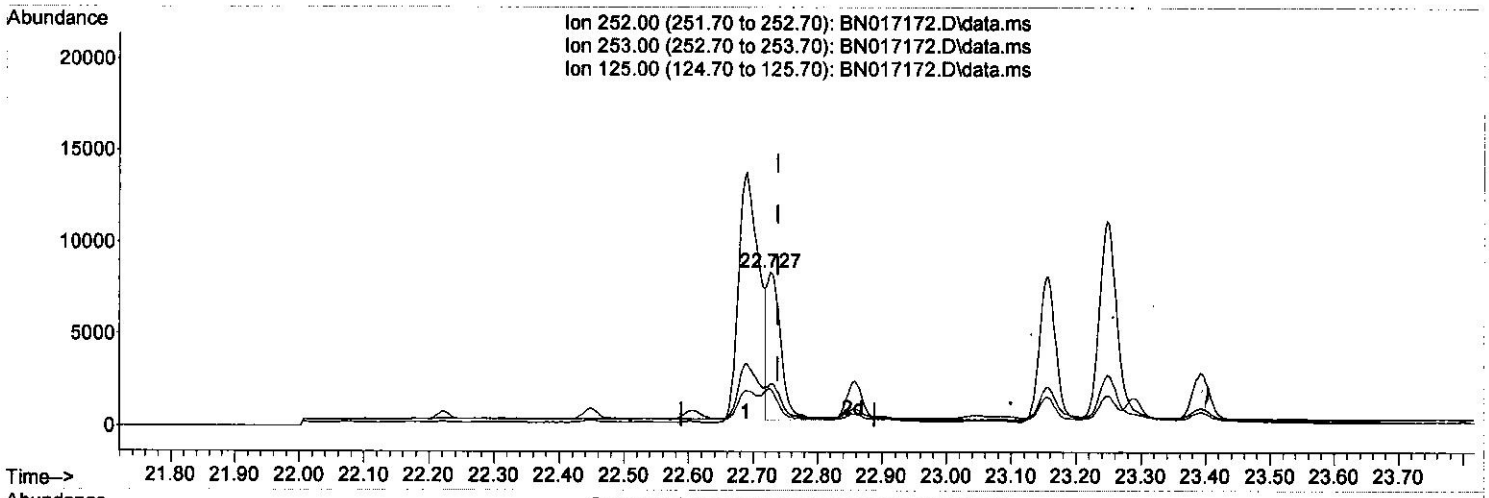
Quantitation Report (Qedit)

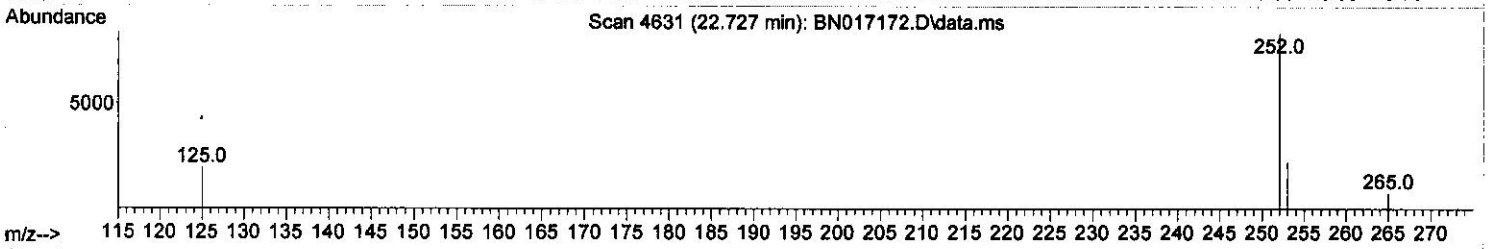
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

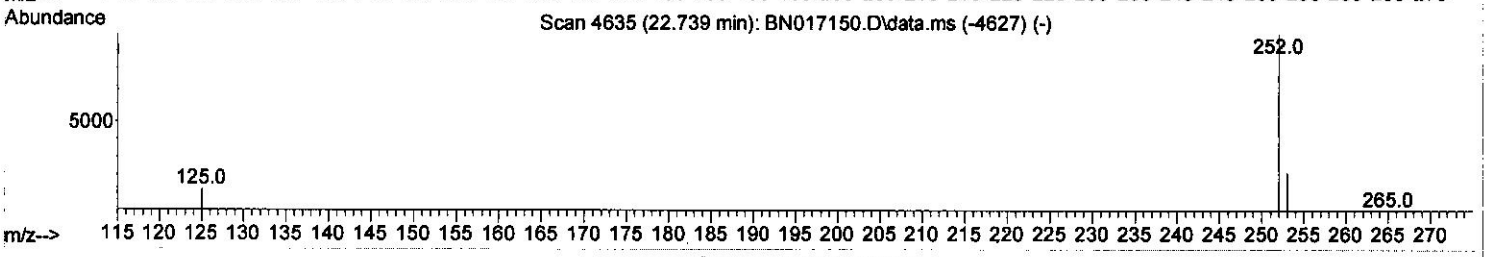
Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM







TIC: BN017172.D\data.ms

(25) Benzo(k)fluoranthene

22.727min (-0.012) 0.10 ng/ul m 3.24/11/21

response 12330

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.90	27.36
125.00	12.50	23.80#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017172.D
Acq On : 29 Oct 2021 01:39
Operator : CG/JU
Sample : M4205-15
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Oct 29 03:16:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : C0AZ5

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:40 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.527	152	5584	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	21765	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	13499	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.935	188	30161	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	30417	0.400	ng/ul	0.00
23) Perylene-d12	23.344	264	29040	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	798	0.129	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.905	152	4590	0.144	ng/ul	0.00
18) Fluoranthene-d10	18.975	212	12585	0.158	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.348	128	3848	0.064	ng/ul	96
7) 2-Methylnaphthalene	11.976	142	2756	0.066	ng/ul	99
8) 1-Methylnaphthalene	12.202	142	2269	0.053	ng/ul	100
10) Acenaphthylene	13.896	152	1985	0.037	ng/ul#	89
15) Phenanthrene	16.977	178	18424	0.193	ng/ul	100
16) Anthracene	17.070	178	3899	0.049	ng/ul#	94
19) Fluoranthene	19.007	202	43842	0.403	ng/ul	99
20) Pyrene	19.370	202	39519	0.354	ng/ul	99
21) Benzo(a)anthracene	21.129	228	21944	0.220	ng/ul	98
22) Chrysene	21.181	228	22473	0.199	ng/ul	98
24) Benzo(b)fluoranthene	22.689	252	30298m	0.280	ng/ul	
25) Benzo(k)fluoranthene	22.727	252	12330m	0.100	ng/ul	
26) Benzo(a)pyrene	23.248	252	20371	0.210	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.561	276	14620	0.106	ng/ul#	94
28) Dibenzo(a,h)anthracene	25.571	278	3584	0.033	ng/ul#	61
29) Benzo(g,h,i)perylene	26.236	276	11846	0.102	ng/ul	95

JU 11/1/21

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