Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM

Quant Time: Oct 29 05:21:37 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	7.531	152	4750	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	19268	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	11981	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.935	188	26916	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	26699	0.400	ng/ul	0.00
23) Perylene-d12	23.347	264	27135	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.055	96	4387	0.831	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.905	152	5634	0.200	ng/ul	0.00
18) Fluoranthene-d10	18.975	212	15835	0.226	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.348	128	3671	0.069	ng/ul#	94
7) 2-Methylnaphthalene	11.976	142	2809	0.076	ng/ul	100
8) 1-Methylnaphthalene	12.202	142	2457	0.065	ng/ul	100
10) Acenaphthylene	13.896	152	1921	0.041	ng/ul#	86
15) Phenanthrene	16.977	178	14548	0.170	ng/ul	100
16) Anthracene	17.066	178	1827	0.026	ng/ul#	89
19) Fluoranthene	19.007	202	28902	0.303	ng/ul	98
20) Pyrene	19.370	202	30804	0.314	ng/ul	98
21) Benzo(a)anthracene	21.129	228	13614	0.156	ng/ul	96
22) Chrysene	21.181	228	18217	0.184	ng/ul	97
24) Benzo(b)fluoranthene	22.689	252	23308m	0.230	ng/ul	
25) Benzo(k)fluoranthene	22.727	252	8728m	0.076	ng/ul	
26) Benzo(a)pyrene	23.247	252	15630	0.172	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.558	276	13109	0.102	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.578	278	3123	0.031	ng/ul#	68
29) Benzo(g,h,i)perylene	26.235	276	12911	0.119	ng/ul	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 29 05:21:37 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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Manual Integrations APPROVED
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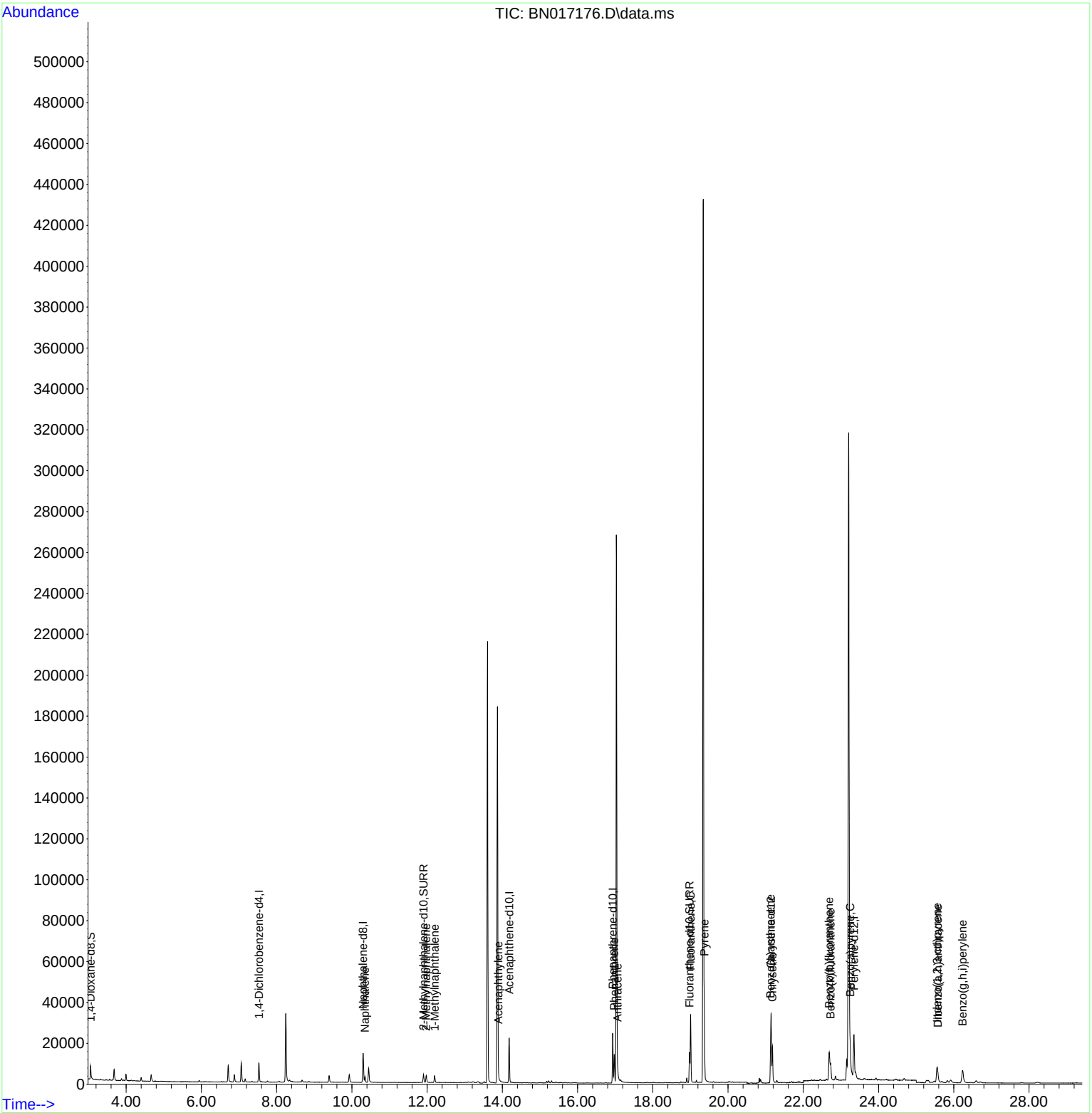
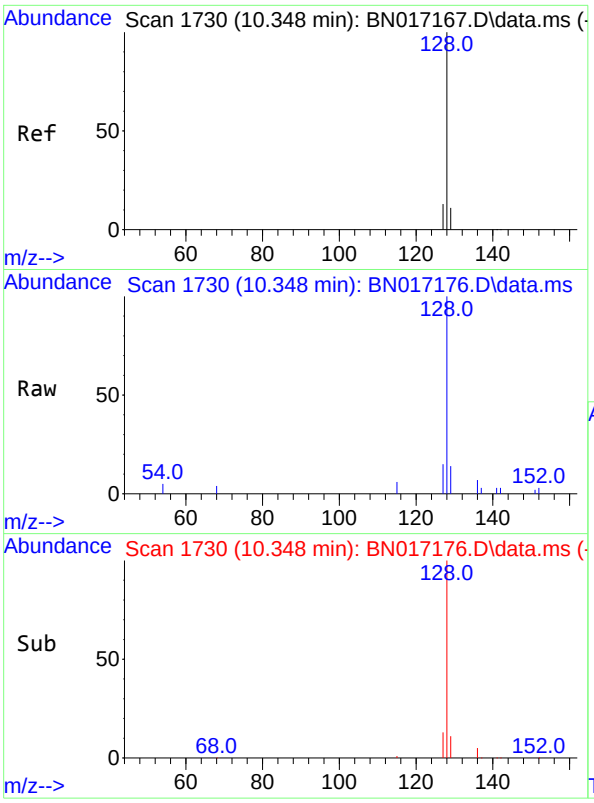
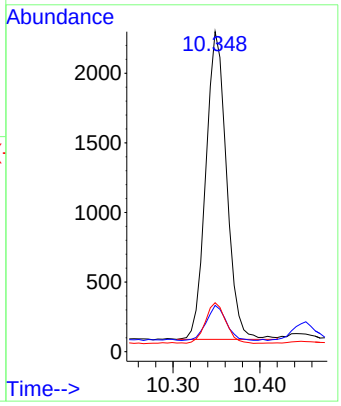


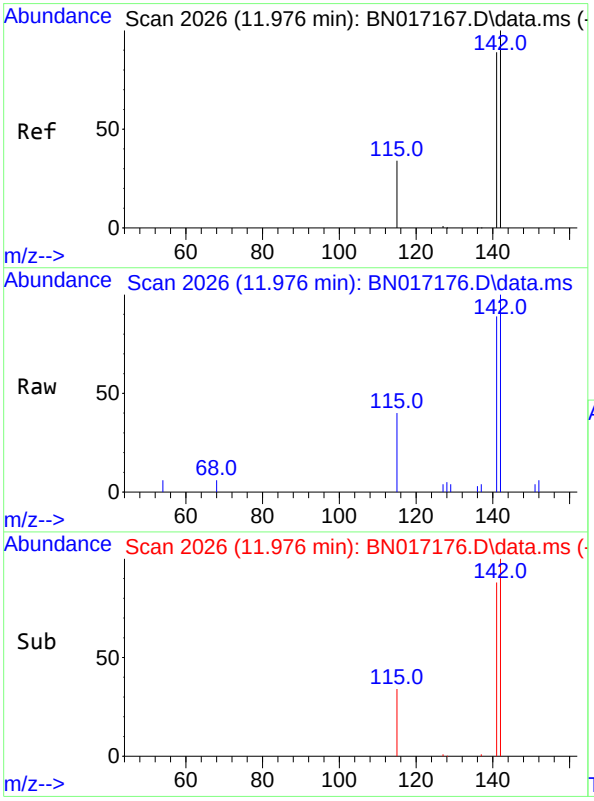


#5
Naphthalene
Concen: 0.069 ng/ul
RT: 10.348 min Scan# 1730
Delta R.T. -0.000 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:128 Resp: 3671

Ion	Ratio	Lower	Upper
128	100		
129	14.4	9.2	13.8#
127	15.3	10.8	16.2

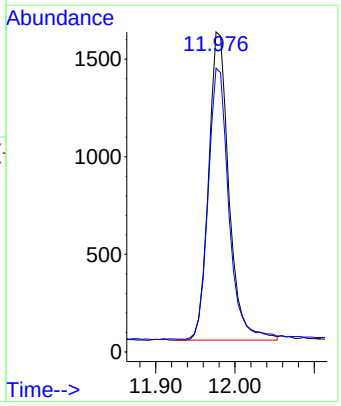




#7
2-Methylnaphthalene
Concen: 0.076 ng/ul
RT: 11.976 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:142 Resp: 2809

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.0	106.4



Instrument :
BNA_N
ClientSampleId :
C0B37

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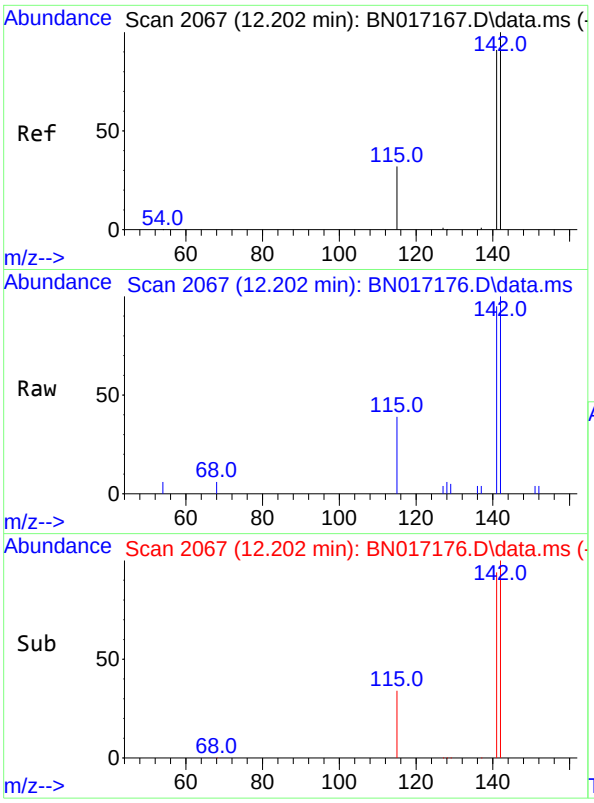
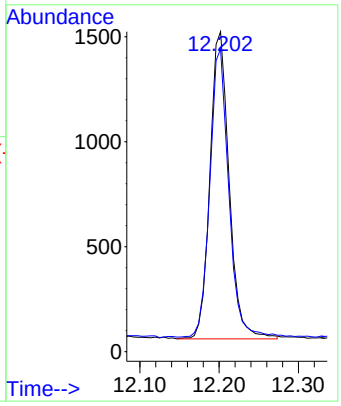


#8
1-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.202 min Scan# 2067
Delta R.T. -0.000 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:142 Resp: 2457

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.8	110.8



Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
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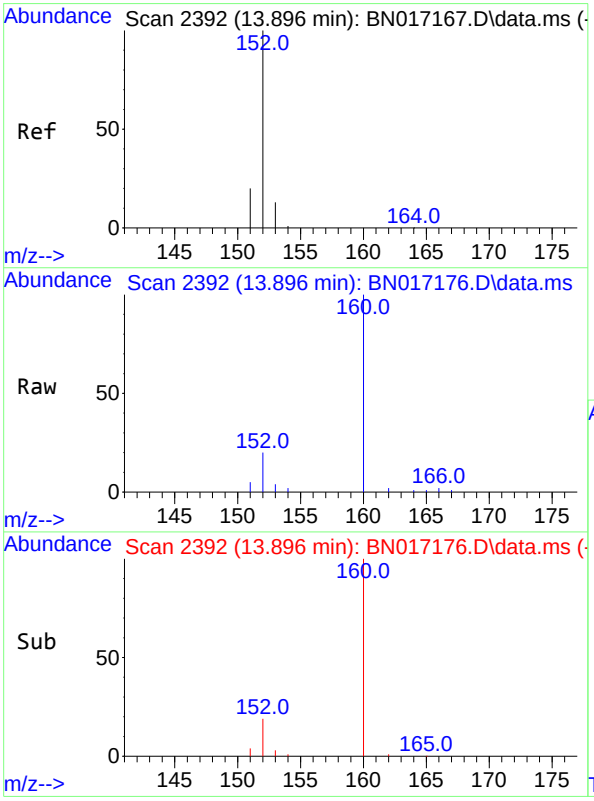
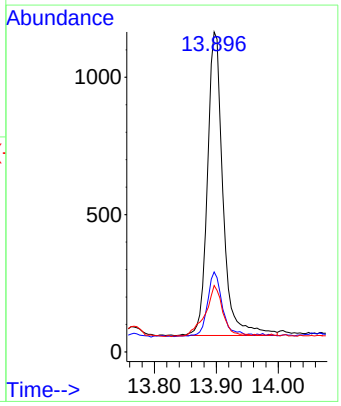
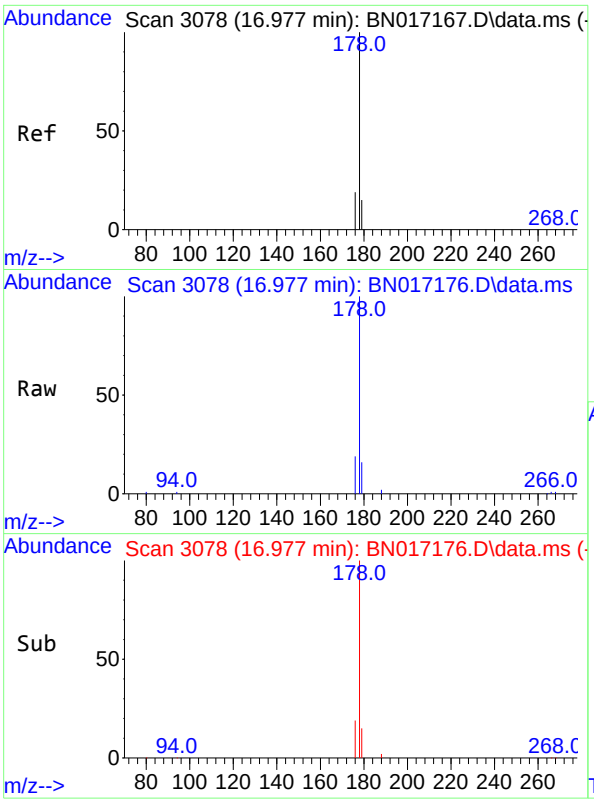


#10
Acenaphthylene
Concen: 0.041 ng/ul
RT: 13.896 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:152 Resp: 1921

Ion	Ratio	Lower	Upper
152	100		
151	25.0	16.0	24.0#
153	20.8	10.8	16.2#

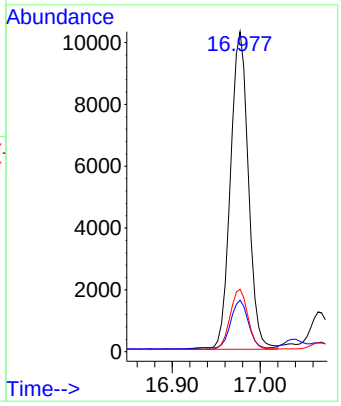


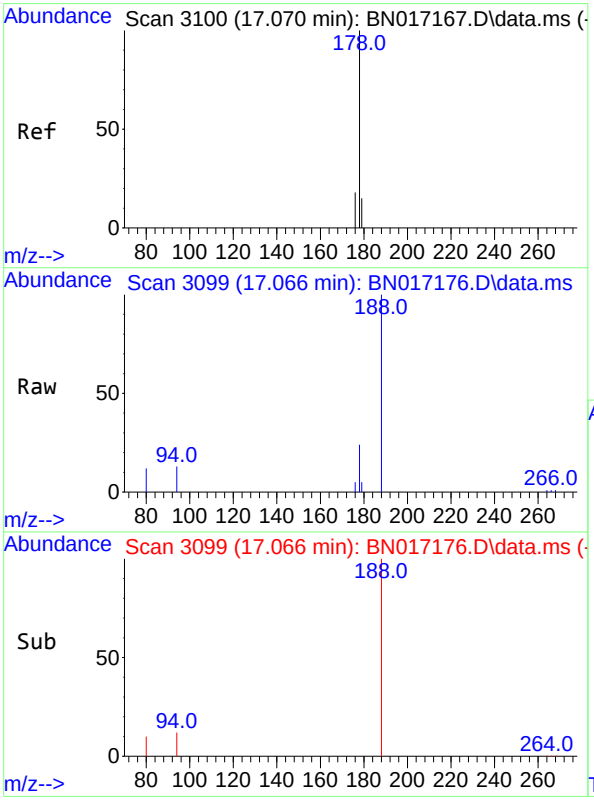


#15
Phenanthrene
Concen: 0.170 ng/ul
RT: 16.977 min Scan# 3078
Delta R.T. -0.000 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:178 Resp: 14548

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	19.0
176	19.5	15.5	23.3

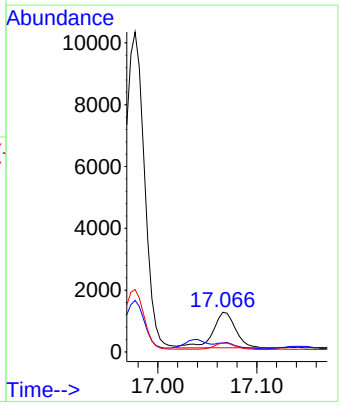




#16
Anthracene
Concen: 0.026 ng/ul
RT: 17.066 min Scan# 3099
Delta R.T. -0.004 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:178 Resp: 1827

Ion	Ratio	Lower	Upper
178	100		
179	22.7	12.6	19.0#
176	22.3	15.2	22.8



Instrument :
BNA_N
ClientSampleId :
C0B37

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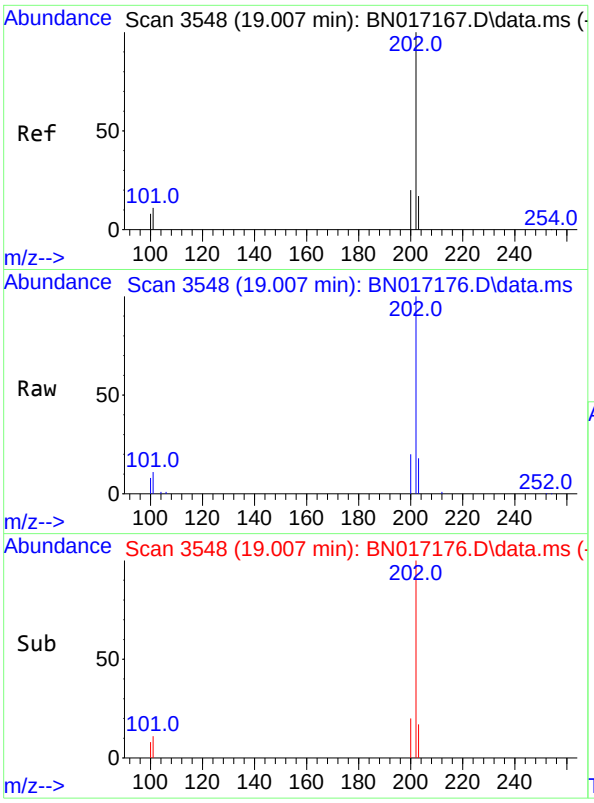
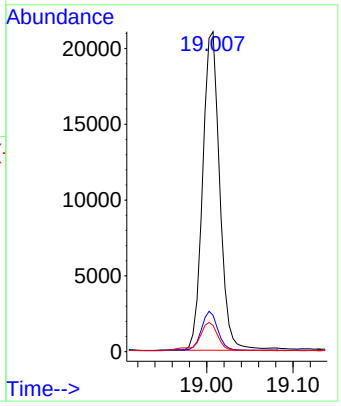
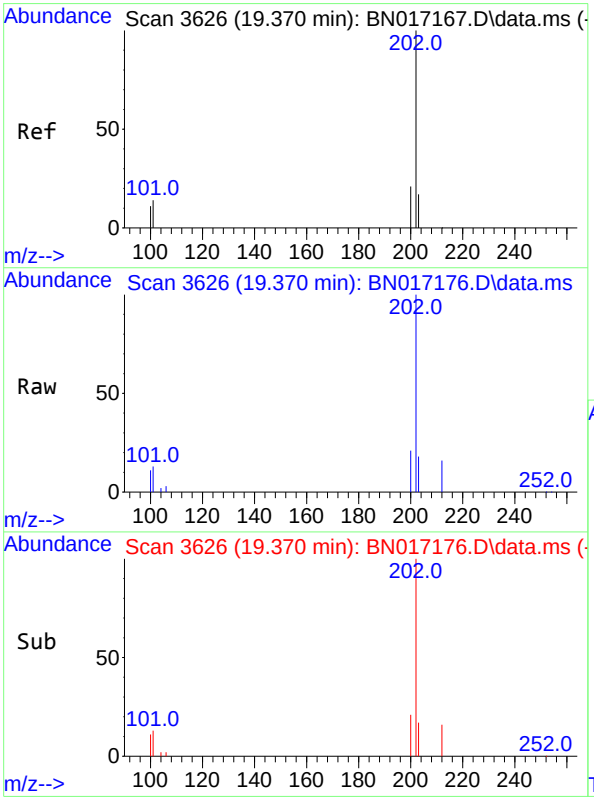


#19
Fluoranthene
Concen: 0.303 ng/ul
RT: 19.007 min Scan# 3548
Delta R.T. -0.000 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:202 Resp: 28902

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.7	14.5
100	8.2	7.2	10.8

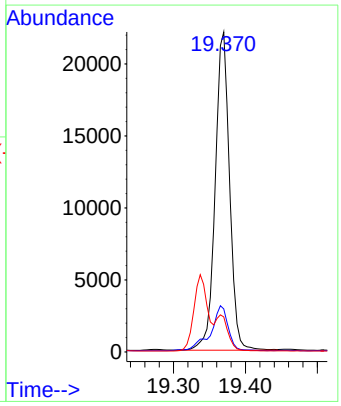




#20
Pyrene
Concen: 0.314 ng/ul
RT: 19.370 min Scan# 3626
Delta R.T. -0.005 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:202 Resp: 30804

Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.3	15.5
100	11.0	8.2	12.2



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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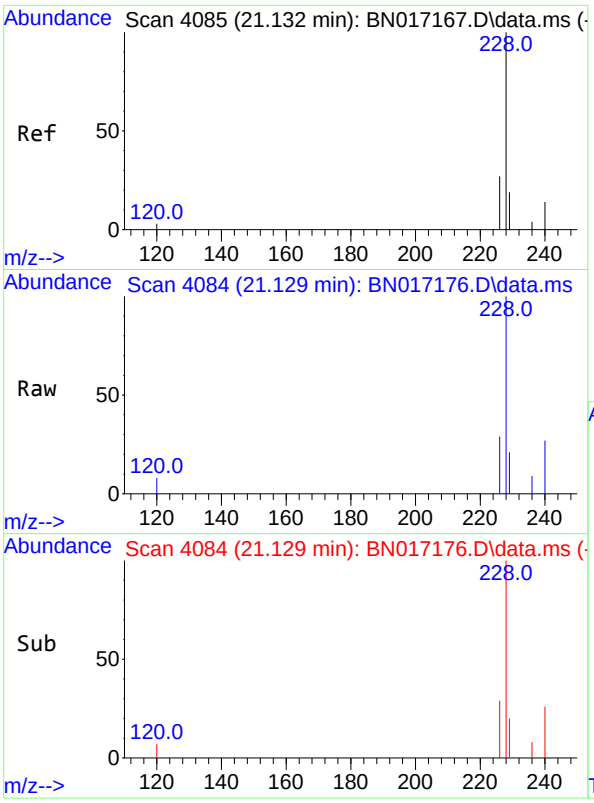
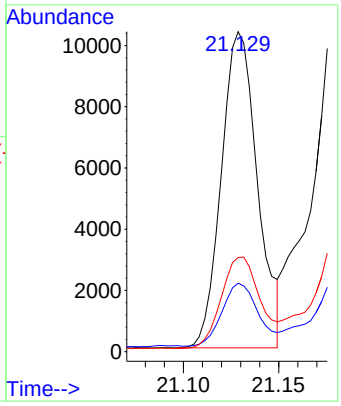


#21
Benzo(a)anthracene
Concen: 0.156 ng/ul
RT: 21.129 min Scan# 4084
Delta R.T. -0.006 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:228 Resp: 13614

Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.1	24.1
226	29.4	21.7	32.5



Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
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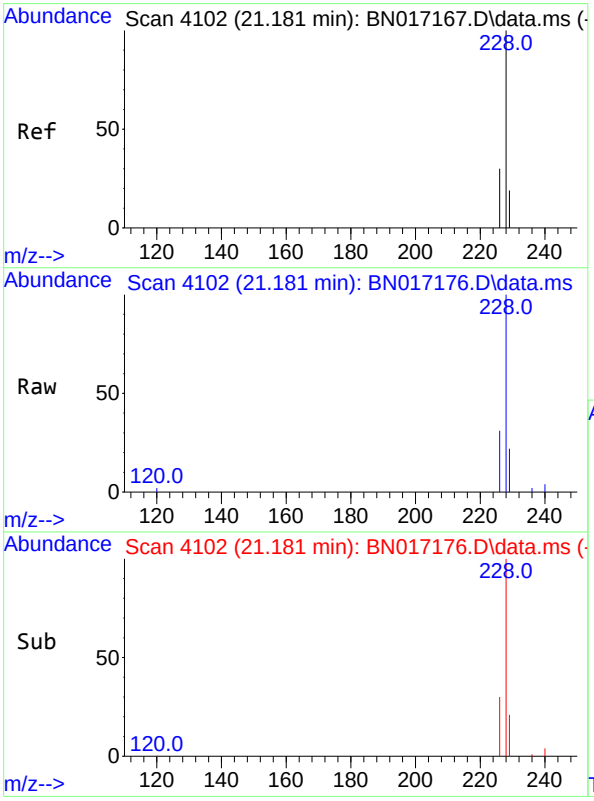
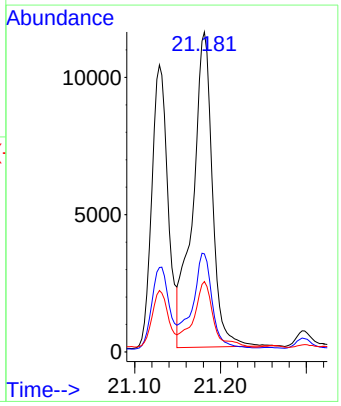
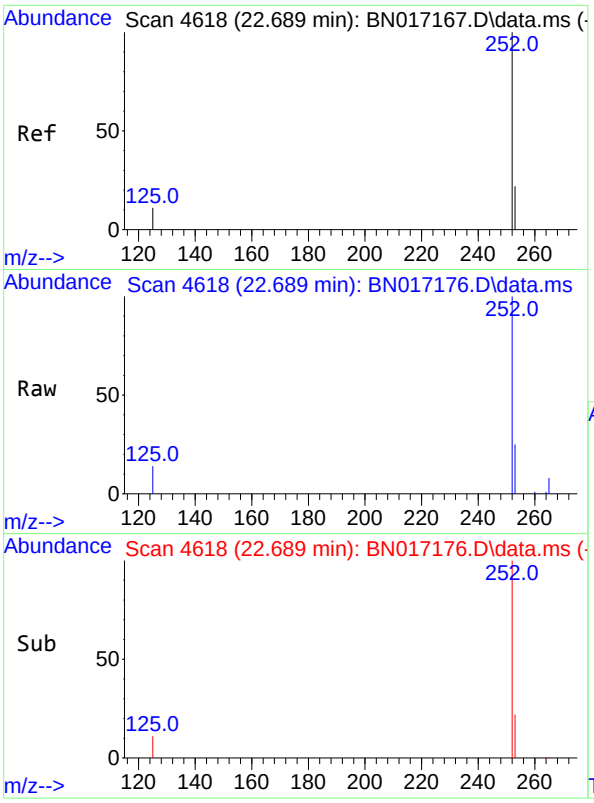


#22
Chrysene
Concen: 0.184 ng/ul
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:228 Resp: 18217

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	22.0	15.4	23.2

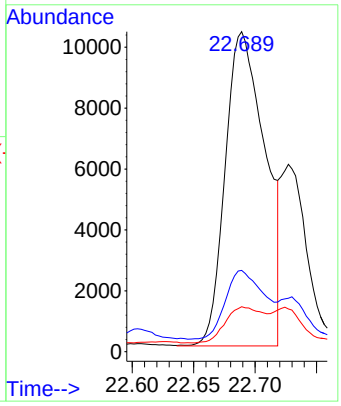


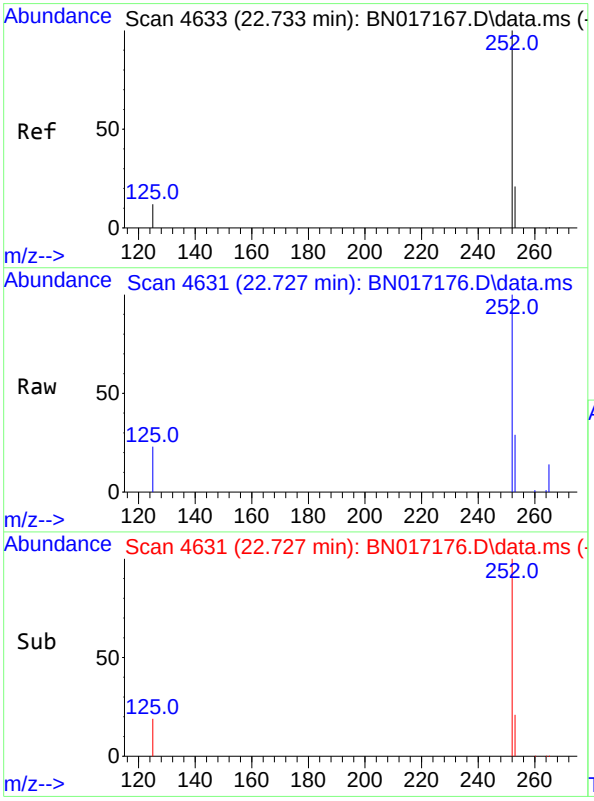


#24
Benzo(b)fluoranthene
Concen: 0.230 ng/ul m
RT: 22.689 min Scan# 4618
Delta R.T. -0.006 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:252 Resp: 23308

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	46.8
125	14.1	0.0	23.8

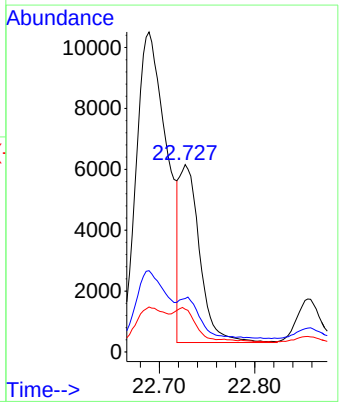




#25
Benzo(k)fluoranthene
Concen: 0.076 ng/ul m
RT: 22.727 min Scan# 4631
Delta R.T. -0.012 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:252 Resp: 8728

Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.3	27.5#
125	22.8	10.0	15.0#



Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
mohammad
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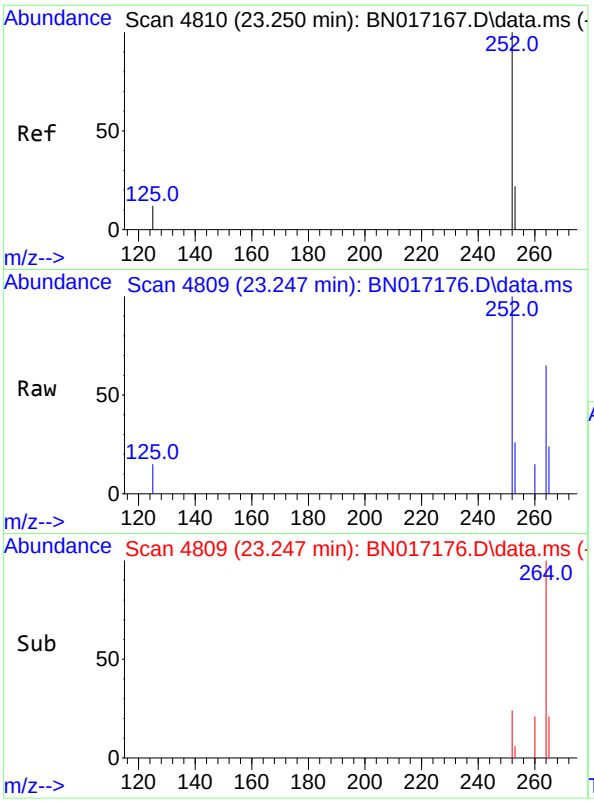
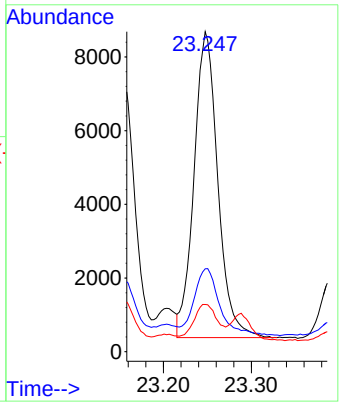
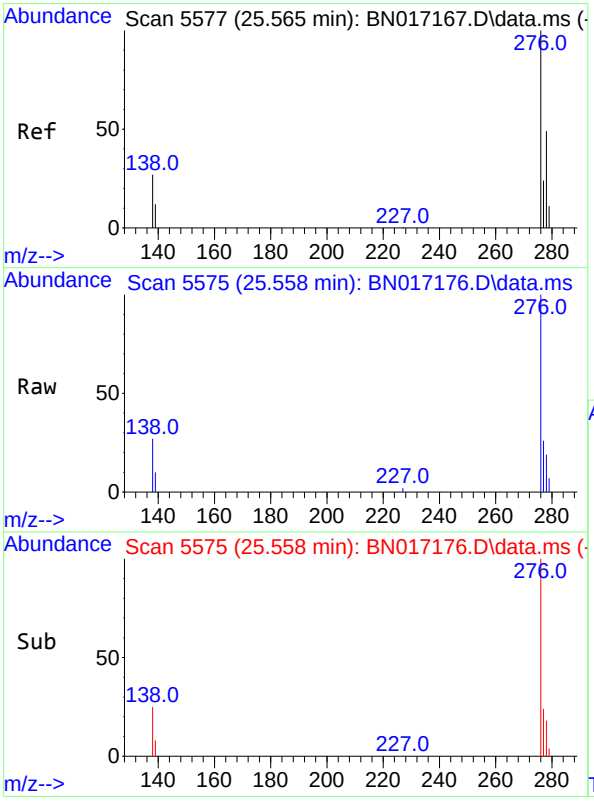


#26
Benzo(a)pyrene
Concen: 0.172 ng/ul
RT: 23.247 min Scan# 4809
Delta R.T. -0.009 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:252 Resp: 15630

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.3	28.9
125	14.7	10.8	16.2

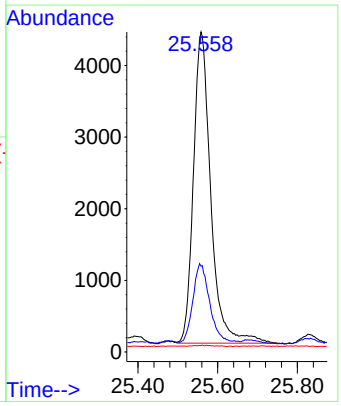




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.102 ng/ul
RT: 25.558 min Scan# 5575
Delta R.T. -0.013 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:276 Resp: 13109

Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.2	33.4
227	0.1	0.0	0.0#



Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
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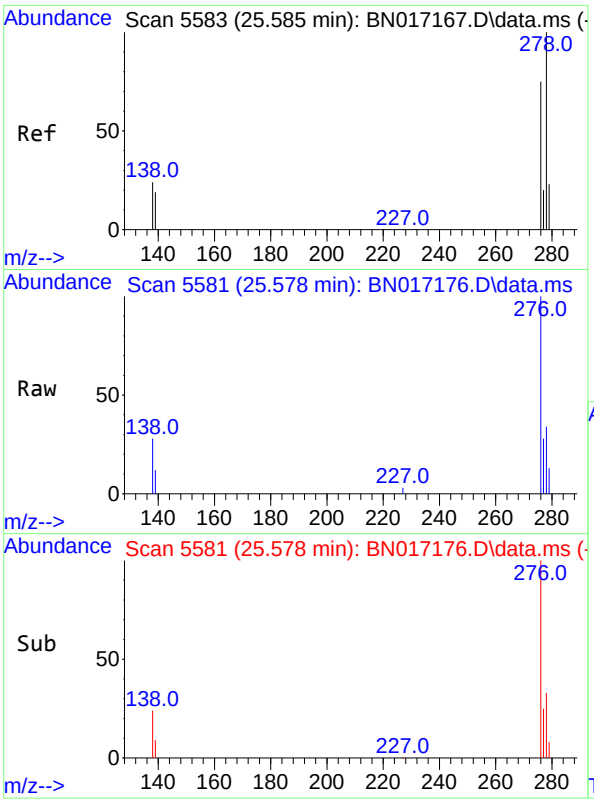
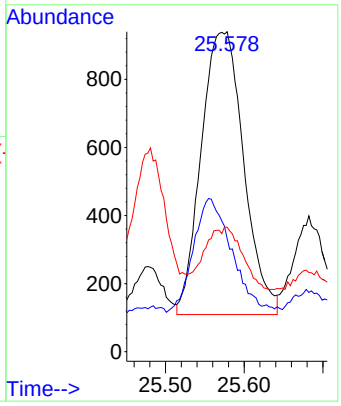
10/29/2021 2:24:49 PM



#28
Dibenzo(a,h)anthracene
Concen: 0.031 ng/ul
RT: 25.578 min Scan# 5581
Delta R.T. -0.013 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:278 Resp: 3123

Ion	Ratio	Lower	Upper
278	100		
139	35.4	15.4	23.0#
279	38.9	19.5	29.3#



Instrument :
BNA_N
ClientSampleId :
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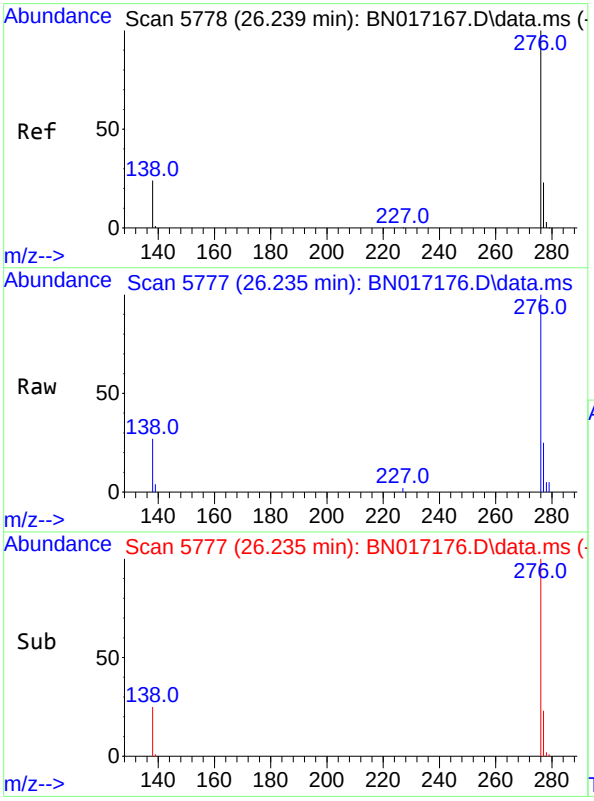
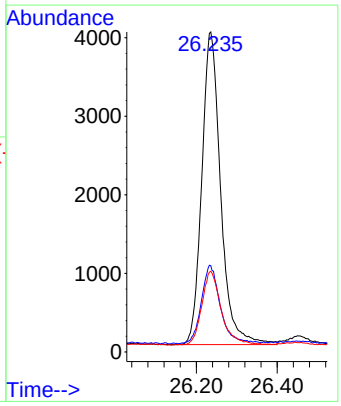
Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM



#29
Benzo(g,h,i)perylene
Concen: 0.119 ng/ul
RT: 26.235 min Scan# 5777
Delta R.T. -0.010 min
Lab File: BN017176.D
Acq: 29 Oct 2021 04:04

Tgt Ion:276 Resp: 12911

Ion	Ratio	Lower	Upper
276	100		
138	26.9	19.2	28.8
277	25.2	19.0	28.6



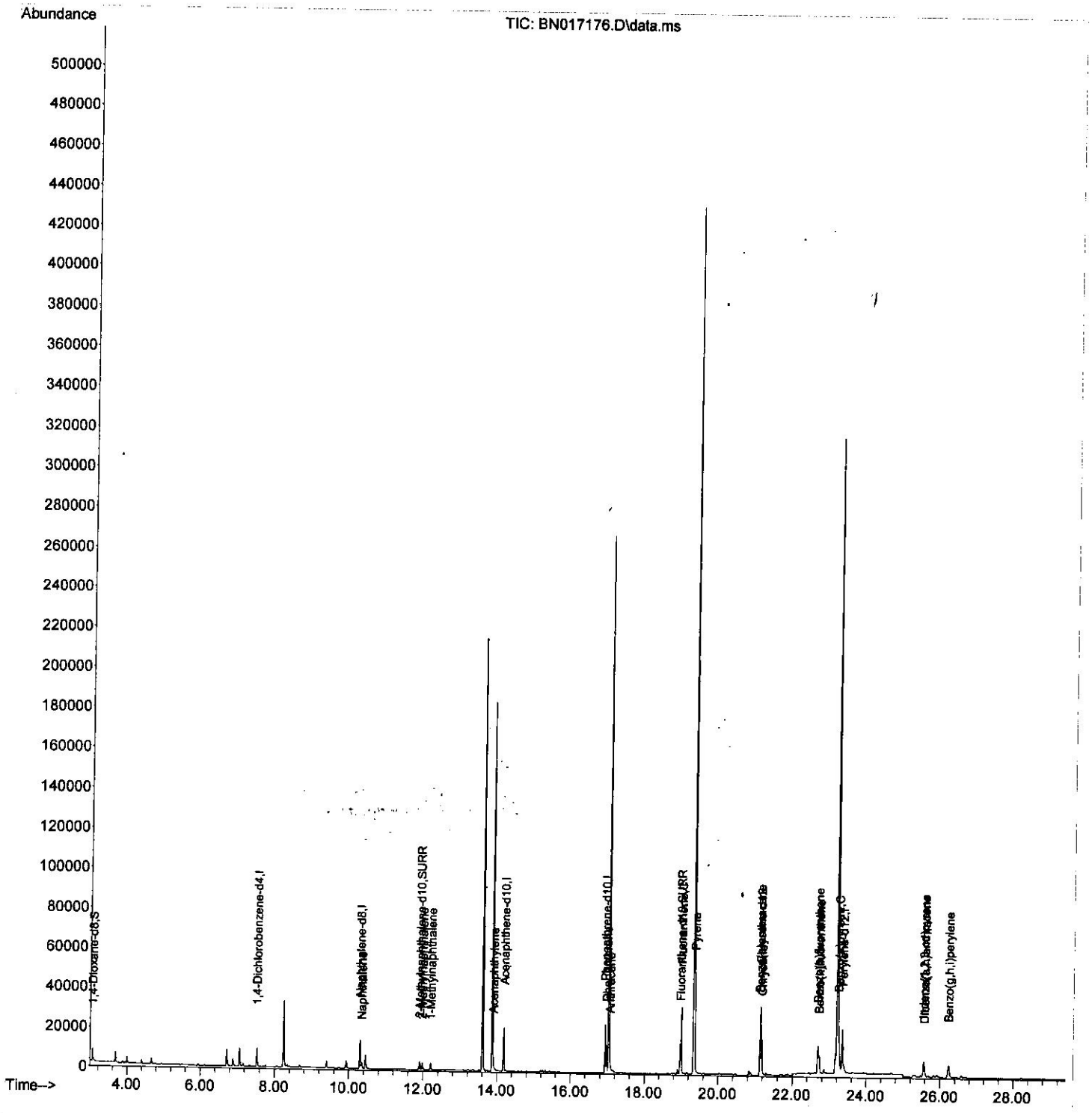
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 29 05:21:37 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 :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM



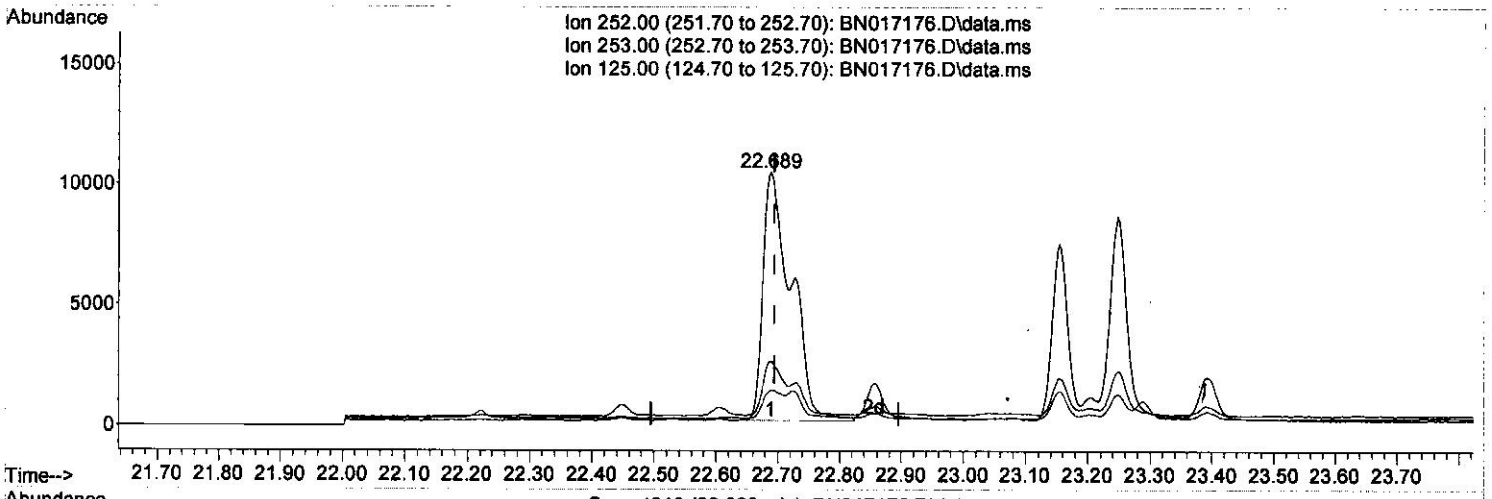
Quantitation Report (Qedit)

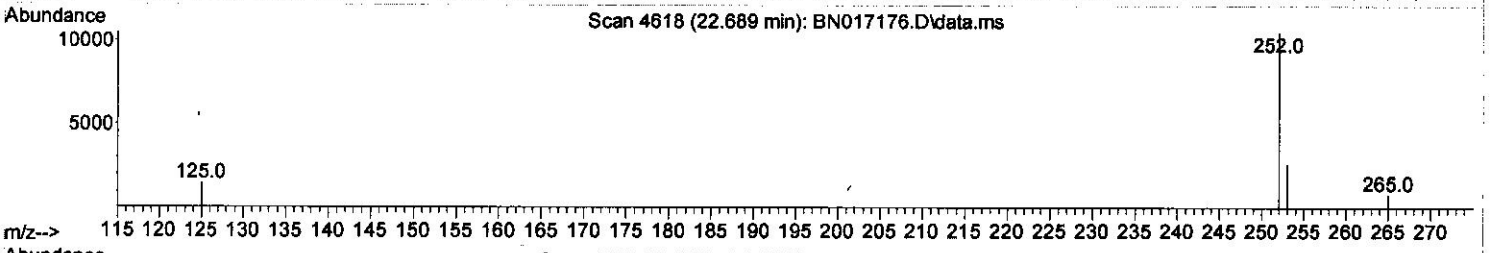
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

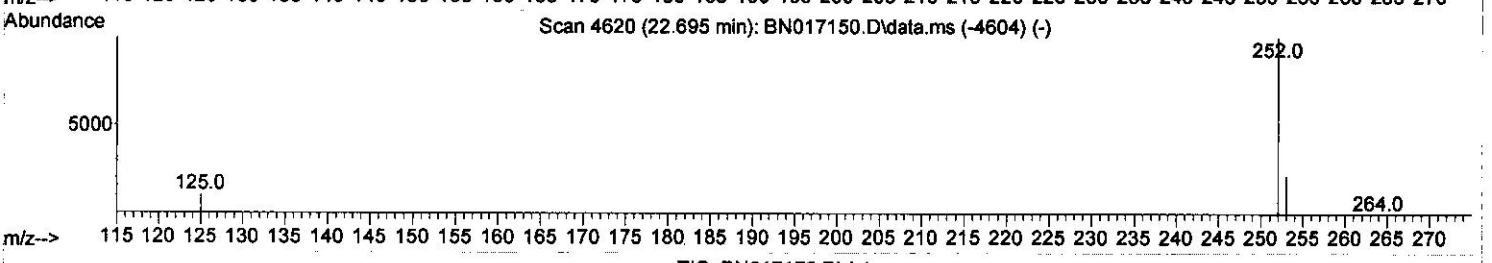
Quant Time: Oct 29 05:21:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN102721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:50:34 2021
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM







TIC: BN017176.D\data.ms

(24) Benzo(b)fluoranthene

22.689min (-0.006) 0.32 ng/ul

response 32585

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.40	25.40
125.00	11.90	14.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
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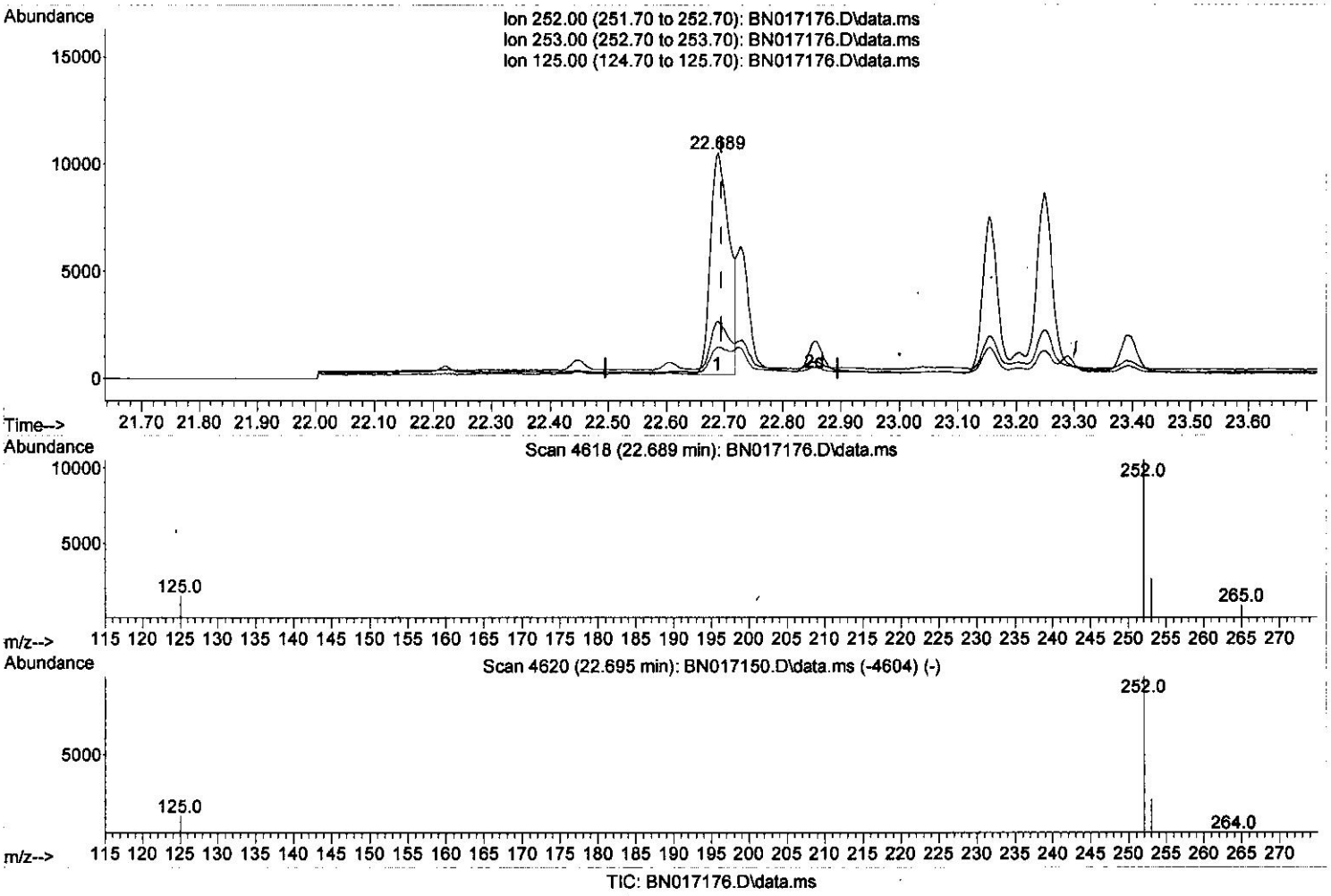
Instrument :
BNA_N
ClientSampleId :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM



(24) Benzo(b)fluoranthene

22.689min (-0.006) 0.23 ng/ul m JV 11/1/21

response 23308

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.40	25.40
125.00	11.90	14.05
0.00	0.00	0.00

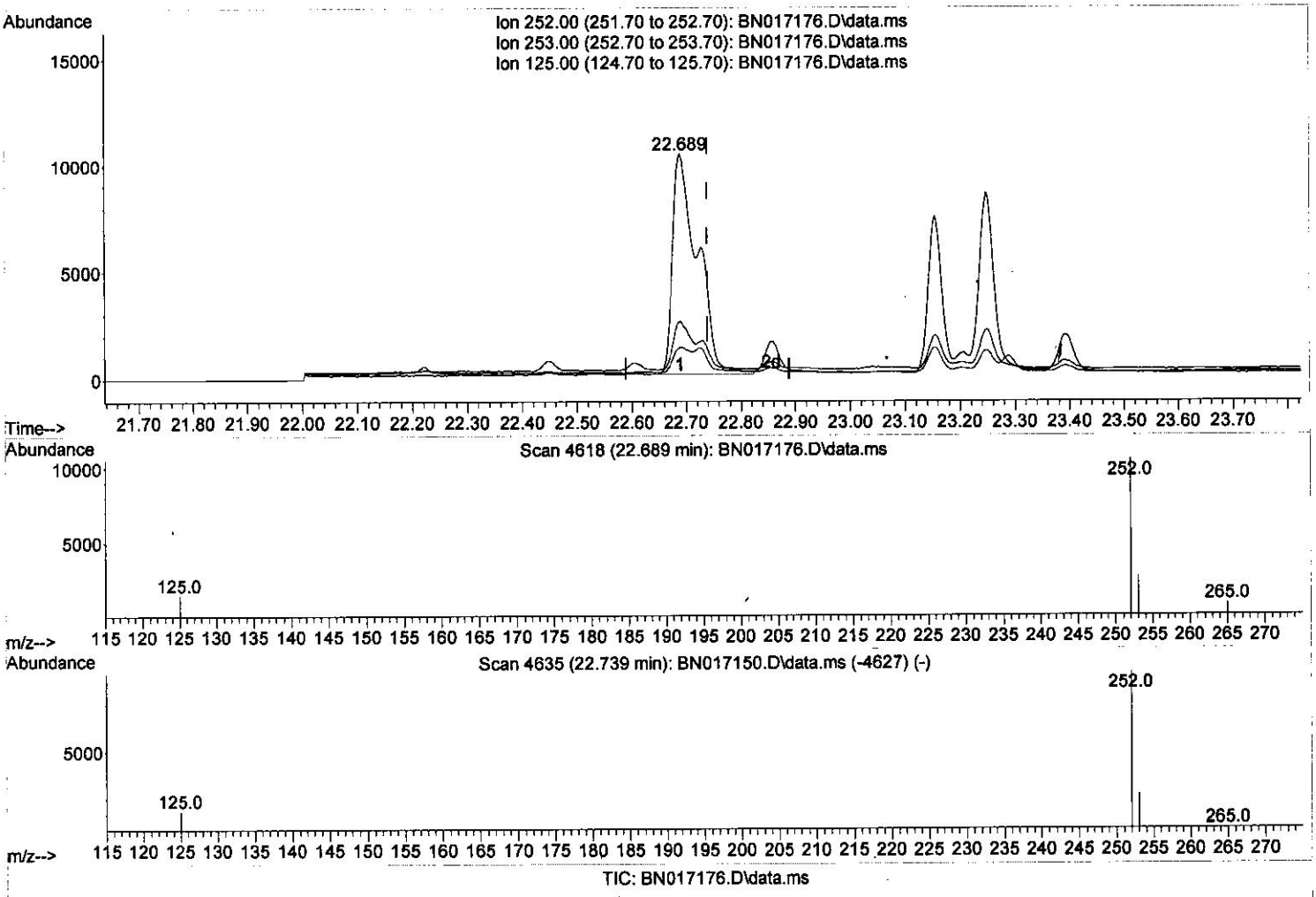
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 29 05:21:37 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 :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM



TIC: BN017176.D\data.ms

(25) Benzo(k)fluoranthene

22.689min (-0.050) 0.28 ng/ul

response 32585

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.90	25.40
125.00	12.50	14.05
0.00	0.00	0.00

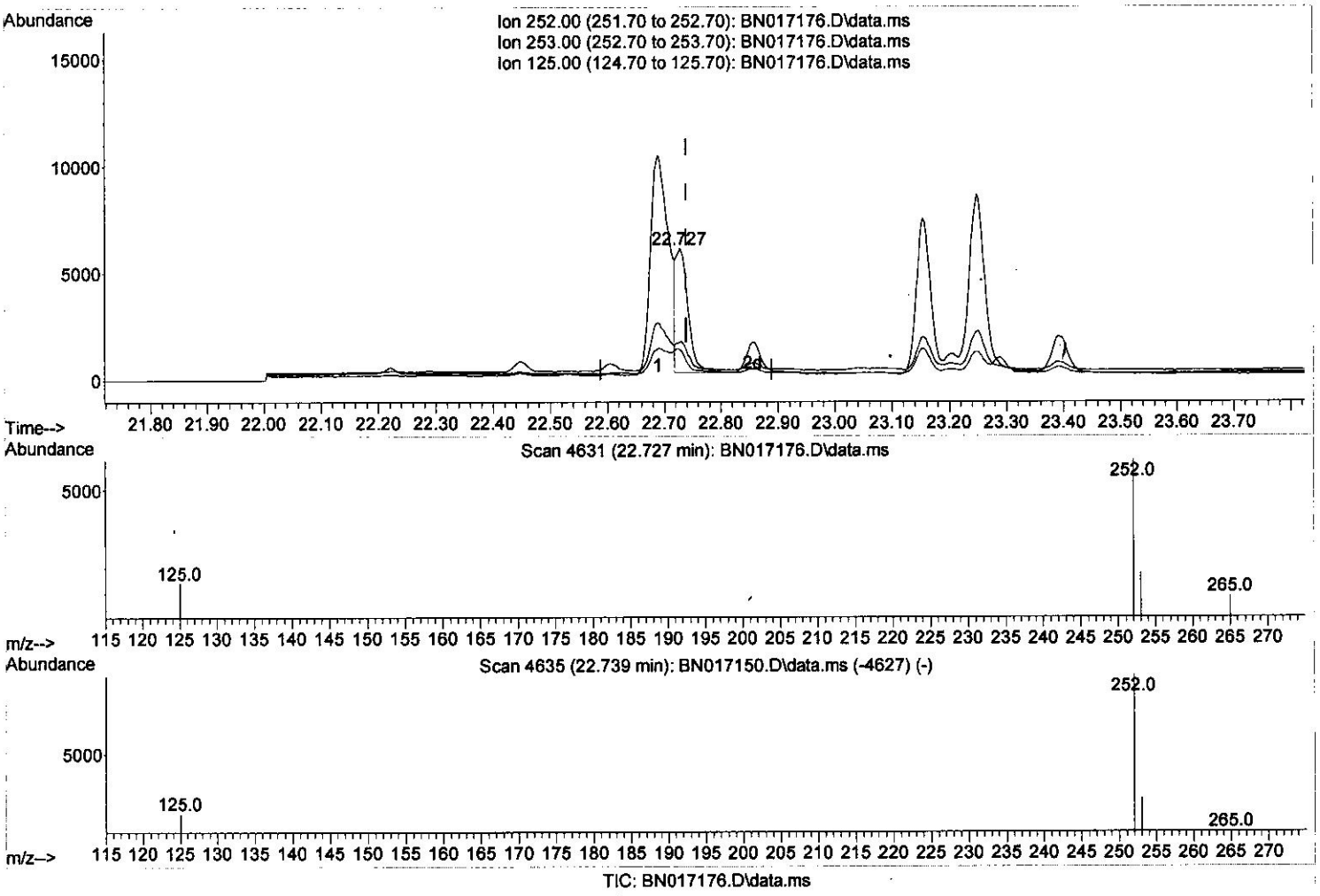
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 29 05:21:37 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 :
C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM



(25) Benzo(k)fluoranthene

22.727min (-0.012) 0.08 ng/ul m JCV 11/1/21

response 8728

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.90	28.55#
125.00	12.50	22.85#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102721\
Data File : BN017176.D
Acq On : 29 Oct 2021 04:04
Operator : CG/JU
Sample : M4205-12
Misc :
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Oct 29 05:21:37 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 : C0B37

Manual Integrations APPROVED
mohammad
10/29/2021 2:24:49 PM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.531	152	4750	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	19268	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.183	164	11981	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.935	188	26916	0.400	ng/ul	0.00
17) Chrysene-d12	21.143	240	26699	0.400	ng/ul	0.00
23) Perylene-d12	23.347	264	27135	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.055	96	4387	0.831	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.905	152	5634	0.200	ng/ul	0.00
18) Fluoranthene-d10	18.975	212	15835	0.226	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.348	128	3671	0.069	ng/ul#	94
7) 2-Methylnaphthalene	11.976	142	2809	0.076	ng/ul	100
8) 1-Methylnaphthalene	12.202	142	2457	0.065	ng/ul	100
10) Acenaphthylene	13.896	152	1921	0.041	ng/ul#	86
15) Phenanthrene	16.977	178	14548	0.170	ng/ul	100
16) Anthracene	17.066	178	1827	0.026	ng/ul#	89
19) Fluoranthene	19.007	202	28902	0.303	ng/ul	98
20) Pyrene	19.370	202	30804	0.314	ng/ul	98
21) Benzo(a)anthracene	21.129	228	13614	0.156	ng/ul	96
22) Chrysene	21.181	228	18217	0.184	ng/ul	97
24) Benzo(b)fluoranthene	22.689	252	23308m	0.230	ng/ul	
25) Benzo(k)fluoranthene	22.727	252	8728m	0.076	ng/ul	
26) Benzo(a)pyrene	23.247	252	15630	0.172	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.558	276	13109	0.102	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.578	278	3123	0.031	ng/ul#	68
29) Benzo(g,h,i)perylene	26.235	276	12911	0.119	ng/ul	96

JV 11/1/21

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